

System Description21

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PRECAUTIONS

[COUPE] < PRECAUTION >

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

FOR USA AND CANADA: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000005568497

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.

FOR USA AND CANADA: Precaution Necessary for Steering Wheel Rotation after Battery Disconnect INFOID:0000000005568502

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

- 2. Turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- Perform the necessary repair operation.

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PRECAUTIONS

< PRECAUTION > [COUPE]

5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)

Perform self-diagnosis check of all control units using CONSULT-III.

FOR USA AND CANADA: Precaution for Battery Service

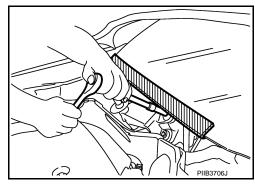
INFOID:0000000005568503

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 USA AND CANADA: Precaution for Procedure without Cowl Top Cover

INFOID:0000000005568501

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



FOR USA AND CANADA: Precaution for Work

INFOID:0000000005568535

- 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:

- 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.

PRECAUTIONS

< PRECAUTION > [COUPE]

FOR MEXICO: Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work.
 If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

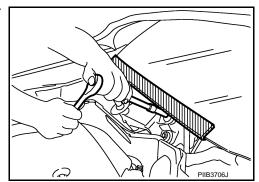
- 2. Turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- Perform the necessary repair operation.
- 5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
- 6. Perform self-diagnosis check of all control units using CONSULT-III.

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: 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.



FOR MEXICO: Precaution for Work

- 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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< PREPARATION > [COUPE]

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000005240253

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	SIIA0993E	Locates the noise
(J-43980) NISSAN Squeak and Rat- tle Kit	SIIA0994E	Repairs 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 clips
Power tool	PIIB1407E	

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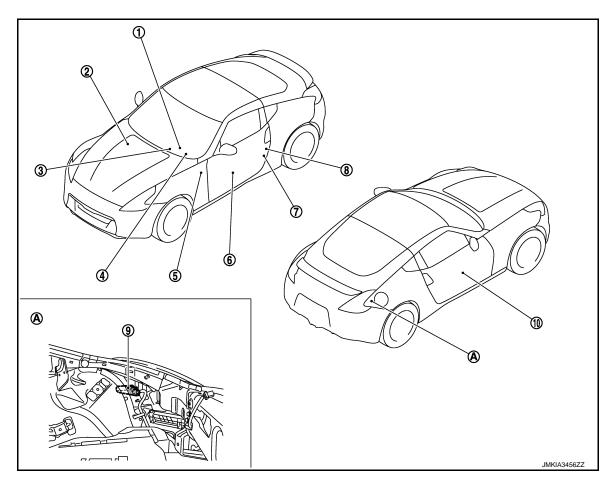
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SYSTEM DESCRIPTION

COMPONENT PARTS POWER DOOR LOCK SYSTEM

POWER DOOR LOCK SYSTEM : Component Parts Location

INFOID:0000000005240043



- A/T assembly* (TCM) Refer to <u>TM-153</u>, "Component Parts Location"
- 4. Combination meter
- 7. Driver side door switch
- Power window sub-switch (door lock and unlock switch)
- A. View with luggage side finisher lower (RH) removed
- 2. BCM
 Refer to BCS-9, "Component Parts
 Location"
- 5. Key slot
 - Driver side door lock assembly
- 3. Push-button ignition switch
 - Power window main switch (door lock and unlock switch)
- 9. Fuel lid lock actuator

*: With A/T models

POWER DOOR LOCK SYSTEM: Component Description

Item	Function	
BCM	Controls the door lock function	
TCM*	Transmits shift position signal to BCM via CAN communication line	
Door lock actuator	Refer to DLK-19, "Door Lock Actuator"	
Fuel lid lock actuator	Refer to DLK-19, "Fuel Lid Lock Actuator"	

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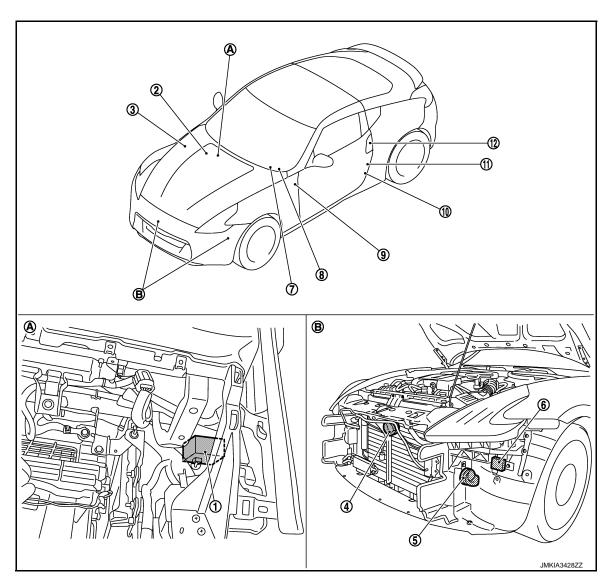
Item	Function
Door lock and unlock switch	Refer to DLK-20, "Door Lock And Unlock Switch"
Door key cylinder switch	Refer to DLK-20, "Door Key Cylinder Switch"
Door switch	Refer to DLK-20, "Door Switch"
Push-button ignition switch	Refer to PCS-42, "Component Description"
Key slot	Refer to DLK-20, "Key Slot"
Combination meter	Refer to DLK-20, "Combination Meter"

^{*:} With A/T models

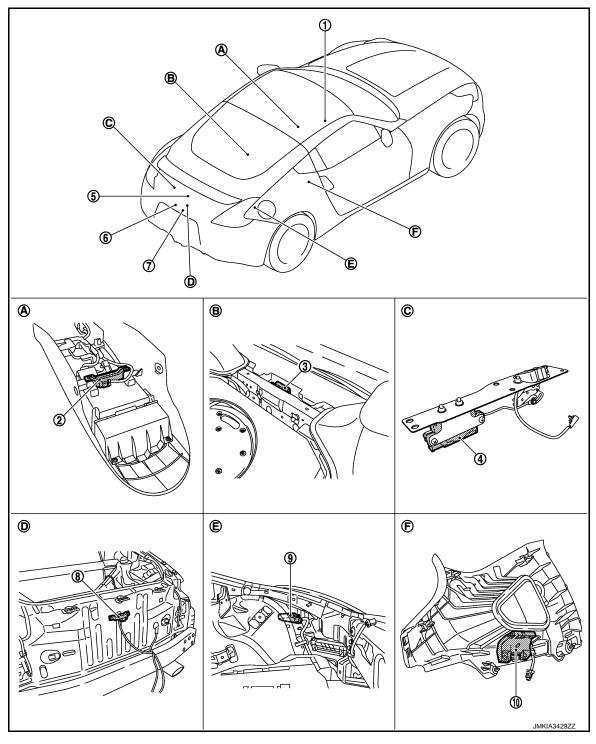
INTELLIGENT KEY SYSTEM

INTELLIGENT KEY SYSTEM: Component Parts Location





- Remote keyless entry receiver (front)
- 4. Horn (low)
- 7. Push-button ignition switch (push switch)
- 10. Driver side door switch
- A. Dash side lower (passenger side)
- BCM
 Refer to BCS-9, "Component Parts
 Location"
- 5. Horn (high)
- 8. Combination meter
- 11. Driver side door lock assembly
- B. View with front bumper removed
- IPDM E/R
 Refer to PCS-6, "Component Parts
 Location"
- 6. Intelligent Key warning buzzer
- 9. Key slot
- 12. Driver side door request switch



- I. A/T shift selector*
 (detention switch)
 Refer to SEC-13, "Component Parts
 Location"
- 4. Back door opener actuator
- Back door opener switch assembly (back door opener switch)
- 10. Outside key antenna RH

- 2. Inside key antenna (console)
- 5. Back door switch
- 8. Outside key antenna (rear bumper)
- 3. Inside key antenna (luggage room)
- 6. Back door opener switch assembly (back door request switch)
- 9. Fuel lid lock actuator

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< SYSTEM DESCRIPTION >

- A. View with center console assembly removed
- D. View with rear bumper removed
- B. View with luggage floor finisher front C. removed
- E. View with luggage side finisher lower F. RH removed
- View with luggage rear plate re-

moved

View with rear pillar finisher RH re-

INTELLIGENT KEY SYSTEM: Component Description

INFOID:0000000005240048

Item	Function	
BCM	Controls the Intelligent Key system	
IPDM E/R	Sounds horn and blinks headlamp via CAN communication between BCM	
TCM*	Transmits shift position signal to BCM via CAN communication line	
Door lock actuator	Refer to DLK-19, "Door Lock Actuator"	
Back door opener actuator	Refer to DLK-19, "Back Door Opener Actuator"	
Fuel lid lock actuator	Refer to DLK-19, "Fuel Lid Lock Actuator"	
Intelligent Key	Refer to DLK-19, "Intelligent Key"	
Remote keyless entry receiver	Refer to DLK-20, "Remote Keyless Entry Receiver"	
Door request switch	Refer to DLK-20, "Door Request Switch"	
Back door opener switch	Refer to DLK-20, "Back Door Opener Switch"	
Key slot	Refer to DLK-20, "Key Slot"	
Door switch	Refer to DLK-20, "Door Switch"	
Outside key antenna	Refer to DLK-20, "Outside Key Antenna"	
Inside key antenna	Refer to DLK-20, "Inside Key Antenna"	
Unlock sensor	Refer to DLK-20, "Unlock Sensor"	
A/T shift selector (detention switch)*	Refer to TM-154, "Component Description"	
Combination meter	Refer to DLK-20, "Combination Meter"	
Push-button ignition switch	Refer to PCS-42, "Component Description"	
Intelligent Key warning buzzer	Refer to DLK-20, "Intelligent Key Warning Buzzer"	
Hazard warning lamp	Refer to DLK-20, "Hazard Warning Lamp"	

^{*:} With A/T models

BACK DOOR OPENER SYSTEM

^{*:} With A/T models

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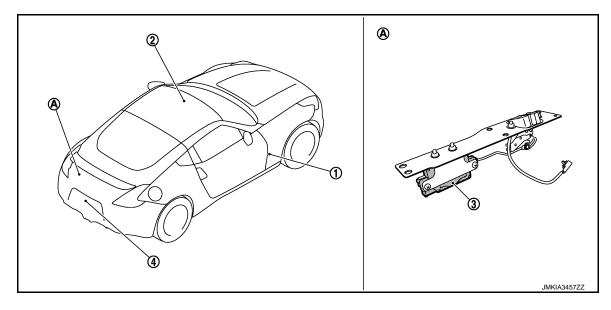
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BACK DOOR OPENER SYSTEM: Component Parts Location

INFOID:0000000005240068



- 1. **BCM**
- Back door opener switch assembly (back door opener switch)
- View with luggage rear plate removed
- Combination meter
- Back door opener actuator

BACK DOOR OPENER SYSTEM: Component Description

Item	Function
BCM	Controls the back door opener function
Back door opener actuator	Refer to DLK-19, "Back Door Opener Actuator"
Back door opener switch	Refer to DLK-20, "Back Door Opener Switch"
Combination meter	Refer to DLK-20, "Combination Meter"

INTEGRATED HOMELINK TRANSMITTER

INTEGRATED HOMELINK TRANSMITTER: Component Description

Item	Function
Integrated homelink transmitter	A maximum of 3 radio signals can be stored and transmitted to operate the garage door, etc.

Door Lock Actuator

Inputs lock/unlock signal from BCM and locks/unlocks each door

Inputs lock/unlock signal from BCM and lock/unlocks fuel filler lid

Back Door Opener Actuator

Fuel Lid Lock Actuator

Opens the back door with the back door open signal from BCM.

Intelligent Key INFOID:0000000005368312

The following functions are available when having and carrying electronic ID.

INFOID:0000000005240069

INFOID:0000000005240070

INFOID:0000000005368309

INFOID:0000000005368310

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COMPONENT PARTS

< SYSTEM DESCRIPTION > [COUPE]

- Door lock/unlock
- Engine start
- Remote control entry function is available when operating on button.

Remote Keyless Entry Receiver

INFOID:0000000005368313

- Installed in the dash side lower.
- Receives Intelligent Key operation and transmits to BCM.

Outside Key Antenna

INFOID:0000000005368314

- Detects whether Intelligent Key is outside the vehicle.
- Integrated in rear pillar finisher (LH and RH) and installed in rear bumper.

Inside Key Antenna

INFOID:0000000005368315

- Detects whether Intelligent Key is inside the vehicle
- · Installed in the console and luggage room.

Door Lock And Unlock Switch

INFOID:0000000005368316

Transmits door lock/unlock operation to BCM.

Door Request Switch

INFOID:0000000005368317

Transmits door lock/unlock operation to BCM.

Back Door Opener Switch

INFOID:0000000005240117

Inputs back door opener switch operation signal to BCM.

Door Key Cylinder Switch

INFOID:0000000005240110

Built-in driver side door lock assembly.

- Inputs door key cylinder lock/unlock signal to power window main switch.
- Power window main switch transmits door key cylinder lock/unlock signal to BCM.

INFOID:0000000005368322

Detects door open/close condition.

Unlock Sensor

Door Switch

Key Slot

INFOID:0000000005368323

Detects door lock condition of driver side door.

• Detects whether Intelligent Key is inserted.

INFOID:0000000005368325

- Immobilizer antenna amp checks Intelligent Key transponder.
- · Blinks when Intelligent Key insertion is required.

Combination Meter

INFOID:0000000005368327

- Displays each operation method guide and warning for system malfunction.
- Performs operation method guide and warning with buzzer.
- Transmits vehicle speed signal to BCM via CAN communication line.

Hazard Warning Lamp

INFOID:0000000005368328

Performs answer-back for each operation with number of blinks.

Intelligent Key Warning Buzzer

INFOID:0000000005368329

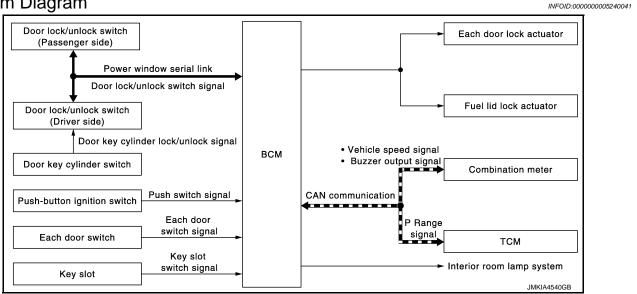
Answers back and warns for an inappropriate operation.

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SYSTEM (POWER DOOR LOCK SYSTEM)

System Diagram



System Description

INFOID:0000000005240042

DOOR LOCK FUNCTION

Door Lock and Unlock Switch

- The door lock and unlock switch (driver side) is build into power window main switch.
- The door lock and unlock switch (passenger side) is build into power window sub-switch.
- Interlocked with the locking operation of door lock and unlock switch, door lock actuators of all doors and fuel lid lock actuator are locked.
- Interlocked with the unlocking operation of door lock and unlock switch, door lock actuators of all doors and fuel lid lock actuator are unlocked.

Door Key Cylinder Switch

- With the door key inserted in the door key cylinder on driver side, turning it to "LOCK", locks door lock actuator of all doors and fuel lid lock actuator.
- With the door key inserted in the door key cylinder on driver side, turning it to "UNLOCK" once unlocks the
 driver side door and fuel lid lock actuator, turning it to "UNLOCK" again within 60 seconds after the first
 unlock operation unlocks all of the other doors actuator. (SELECTIVE UNLOCK OPERATION)

Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to <u>DLK-40</u>, "DOOR LOCK: <u>CONSULT-III Function (BCM - DOOR LOCK)"</u>.

KEY REMINDER FUNCTION

When door lock and unlock switch are operated while Intelligent Key is inserted into key slot and any door is open, door locks once but immediately unlocks. This operation prevents Intelligent Key from being left in the vehicle.

DOOR KEY CYLINDER SWITCH POWER WINDOW FUNCTION

Driver side door key cylinder LOCK/UNLOCK operation can activate driver side and passenger side power window UP/DOWN operation. Refer to PWC-9, "System Description".

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (LOCK OPERATION)

The interlock door lock function is the function that locks all doors linked with the vehicle speed or shift position. It has 2 types as per the following items.

Vehicle Speed Sensing Auto Door Lock*1

All doors are locked when the vehicle speed reaches 24 km/h (15 MPH) or more.

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is turned ON, all doors are closed and the vehicle speed received from the combination meter via CAN communication becomes 24 km/h (15 MPH) or more.

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SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >

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P Range Interlock Door Lock*2

All doors are locked when shifting the selector lever from the P position to any position other than P.

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is in the ON position and the shift signal received from the TCM via CAN communication is shifted from the P position to any position other than P.

Setting change of Automatic Door Lock/Unlock Function

The lock operation setting of the automatic door lock/unlock function can be changed.

NOTE

P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

(II) With CONSULT-III

The ON/OFF switching of the automatic door lock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT-III.

⋈ Without CONSULT- III

The automatic door lock function ON/OFF can be switched by performing the following operation.

- 1. Close all doors (door switch OFF)
- 2. Turn ignition switch ON
- 3. Press and hold the door lock and unlock switch for 5 seconds or more in the lock direction within 20 seconds after turning the ignition switch ON.
- 4. The switching is complete when the hazard lamp blinks.

 $OFF \rightarrow ON$: 2 blinks $ON \rightarrow OFF$: 1 blink

- *1: This function is set to ON before delivery.
- *2: This function does not operate on M/T models.

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (UNLOCK OPERATION)

The automatic door lock/unlock function is the function that unlocks all doors linked with the key position or shift position. It has 2 types as per the following items.

IGN OFF Interlock Door Unlock*1

All doors are unlocked when the power supply position is changed from ON to OFF.

BCM outputs the unlock signal to all door lock actuators when it detects that the power supply position is changed from ignition switch ON to OFF.

P Range Interlock Door Unlock*2

All doors are unlocked when shifting the selector lever from any position other than the P to P position.

BCM outputs the unlock signal to all door lock actuators when it detects that the ignition switch is in the ON position and the shift signal received from TCM via CAN communication is shifted from any position other than the P to P position.

Setting change of Automatic Door Lock/Unlock Function

The unlock operation setting of the automatic door lock/unlock function can be changed.

NOTE:

P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

(P) With CONSULT- III

The ON/OFF switching of the automatic door lock/unlock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT-III.

Without CONSULT- III

The automatic door lock/unlock function ON/OFF can be switched by performing the following operation.

- 1. Close all doors below (door switch OFF)
- 2. Turn ignition switch ON
- 3. Press and hold the door lock and unlock switch for 5 seconds or more in the unlock direction within 20 seconds after turning the ignition switch ON.
- 4. The switching is complete when the hazard lamp blinks.

SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION > [COUPE]

 $OFF \rightarrow ON$: 2 blinks $ON \rightarrow OFF$: 1 blink

*1: This function is set to ON before delivery.

INTERIOR ROOM LAMP CONTROL FUNCTION

Interior room lamp is controlled according to door lock/unlock state, refer to INL-11, "INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description".

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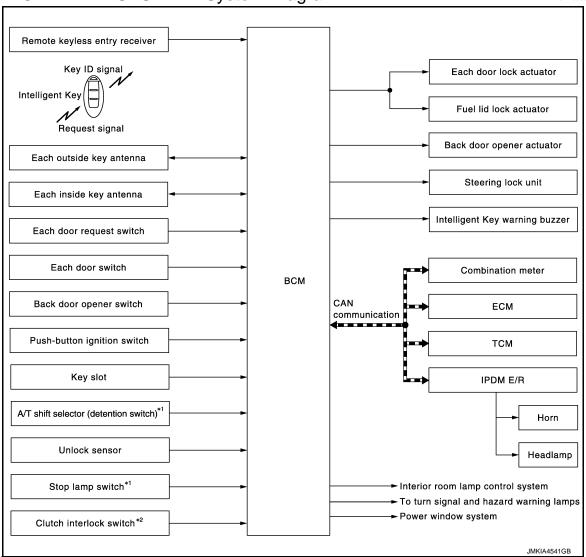
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^{*2:} This function does not operate on M/T models.

SYSTEM (INTELLIGENT KEY SYSTEM) INTELLIGENT KEY SYSTEM

INTELLIGENT KEY SYSTEM: System Diagram

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- *1: With A/T models
- *2: With M/T models

INTELLIGENT KEY SYSTEM: System Description

INFOID:0000000005240046

 The Intelligent Key system is a system that makes it possible to lock and unlock the door locks (door lock/ unlock function) by carrying the Intelligent Key, which operates based on the results of electronic ID verification using two-way communication between the Intelligent Key and the vehicle (BCM).
 CAUTION:

The driver should always carry the Intelligent Key

- The settings for each function can be changed with CONSULT-III.
- If an Intelligent Key is lost, a new Intelligent Key can be registered. A maximum of 4 Intelligent Keys can be registered.
- It is possible to perform a diagnosis on the system and register an Intelligent Key with CONSULT-III.

Function	Description	Refer
Door lock function	Lock/unlock can be performed by pressing the door request switch	DLK-25
Remote keyless entry function	Lock/unlock can be performed by pressing the button of the Intelligent Key	DLK-29

< SYSTEM DESCRIPTION >

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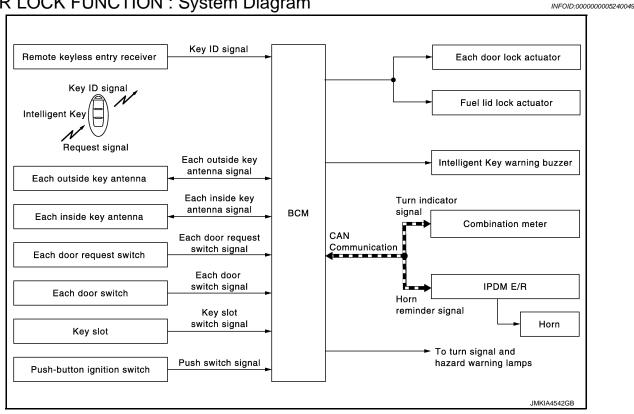
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Function	Description	Refer
Back door open function	The back door can be opened by carrying the Intelligent Key and pressing the back door opener switch	DLK-27
Key reminder function	The key reminder buzzer sounds a warning if the door is locked with the key left inside the vehicle	<u>DLK-31</u>
Warning function	If an action that does not meet the operating condition of the Intelligent Key system is taken, the buzzer goes off to inform the drive	<u>DLK-32</u>
Engine start function	The engine can be turned on while carrying the Intelligent Key	SEC-10
Panic alarm function	When Intelligent Key panic alarm button is pressed, horn sounds and headlamp blinks	<u>SEC-21</u>
Interior room lamp control function	Interior room lamp is controlled according to door lock/unlock state	INL-9
Power window function	Power window can be operated by Intelligent Key button operation	PWC-9

DOOR LOCK FUNCTION

DOOR LOCK FUNCTION: System Diagram



DOOR LOCK FUNCTION: System Description

Only when pressing the door request switch, it is possible to lock and unlock the door by carrying the Intelligent Key.

OPERATION DESCRIPTION

- When the BCM detects that each door request switch is pressed, it starts the outside key antenna and inside key antenna corresponding to the pressed door request switch and transmits the request signal to the Intelligent Key. Then, check that the Intelligent Key is near the door.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- BCM lock/unlock each door (except back door) and fuel lid and sounds Intelligent Key warning buzzer (lock: 2 times, unlock: 1 time) at the same time as a reminder.

OPERATION CONDITION

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DLK-25 Revision: 2009 July 2010 370Z

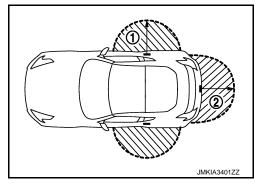
If the following conditions are satisfied, door lock/unlock operation is performed if the door request switch is operated.

Each door request switch operation	Operation condition	
Lock operation	 All doors are closed P position warning is not activated Panic alarm is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area 	
Unlock operation	 Panic alarm is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area * 	

^{*:} Even with a registered Intelligent Key remaining inside the vehicle, door locks can be unlocked from outside of the vehicle with a spare Intelligent Key as long as key IDs are different.

OUTSIDE KEY ANTENNA DETECTION AREA

The outside key antenna detection area of door lock/unlock function is in the range of approximately 80 cm (31.50 in) surrounding the rear pillar LH/RH (1) and the back door request switch (2). However, this operating range depends on the ambient conditions.



SELECTIVE UNLOCK FUNCTION

Lock Operation

When an LOCK signal is sent from door request switch (driver side, passenger side, back door), all doors and fuel lid are locked.

Unlock Operation

- When an UNLOCK signal from driver side door request switch is transmitted, driver side door and fuel lid unlocks. When another UNLOCK signal is transmitted within 60 seconds, all other doors unlocks.
- When an UNLOCK signal from passenger side door request switch is transmitted, passenger side door unlocks. When another UNLOCK signal is transmitted within 60 seconds, all other doors and fuel lid unlocks.
- When an UNLOCK signal from back door request switch is transmitted, back door open permission is set.
 When another UNLOCK signal is transmitted within 60 seconds, all doors (except back door) and fuel lid unlock.

Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to <u>DLK-40</u>, "DOOR LOCK: <u>CONSULT-III Function</u> (<u>BCM - DOOR LOCK</u>)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by door request switch operation and if 60 seconds or more passes without performing the following operation, all doors and fuel filler lid are automatically locked. However, operation check function does not activate.

Door switch is ON (door is open)		
Operating condition	Operating condition	Door is lockedPush switch is pressed

Auto door lock mode can be changed by the "AUTO LOCK SET" mode in "WORK SUPPORT". Refer to <u>DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)"</u>.

HAZARD AND BUZZER REMINDER FUNCTION

During lock or unlock operation by each door request switch, the hazard warning lamps blink and Intelligent Key warning buzzer or horn sounds as a reminder.

When doors are locked or unlocked by each door request switch, BCM sounds Intelligent Key warning buzzer or horn and blinks hazard warning lamps as a reminder.

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Operating Function of Hazard and Buzzer Reminder

Operation	Hazard warning lamp blinks	Intelligent Key warning buzzer sounds	Horn sounds
Unlock	Once	Once	_
Lock	Twice	Twice	Once

Hazard and buzzer reminder does not operate in the following conditions.

- Ignition switch position is ON
- Door is open (only lock operation)

How to Change Hazard and Buzzer Reminder Mode

Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)".

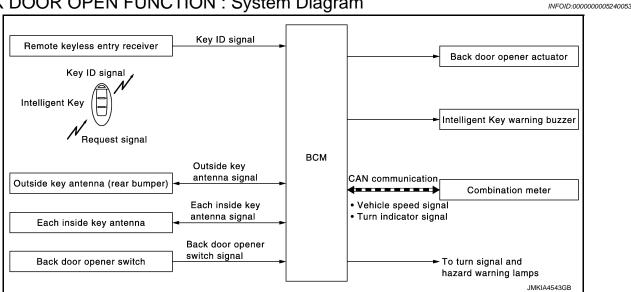
LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Function	Intelligent Key	Key slot	Remote keyless entry receiver	Door switch	Door request switch	Door lock actuator and fuel lid lock actuator	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	CAN communication system	BCM	Hazard warning lamp	Push-button ignition switch	Combination meter
Door lock/unlock function	×	×	×	×	×	×	×	×			×			
Hazard and buzzer reminder function									×	×	×	×		×
Selective unlock function	×				×	×	×	×			×			
Auto door lock function	×	×		×	×	×					×		×	

BACK DOOR OPEN FUNCTION

BACK DOOR OPEN FUNCTION: System Diagram



BACK DOOR OPEN FUNCTION: System Description

This section describes the operation of the back door opener switch. The operation of the back door request switch is the same as the door lock function. Refer to DLK-25, "DOOR LOCK FUNCTION: System Description".

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- The back door open function can open the back door by pressing the back door opener switch while carrying the Intelligent Key and all doors are locked.
- The back door open function enables the back door to be opened by pressing back door opener switch after BCM transmits UNLOCK signal to each door. Refer to <u>DLK-37</u>, "System <u>Description</u>".

OPERATION DESCRIPTION

- When the BCM detects that back door opener switch is pressed, it starts the outside key antenna (back door) and inside key antenna and transmits the request signal to the Intelligent Key. Then, check that the Intelligent Key is near the back door.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- BCM opens back door, and at the same time blinks hazard warning lamp and sounds Intelligent Key warning buzzer.

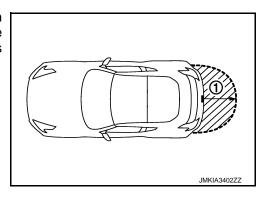
OPERATION CONDITION

If the following conditions are satisfied, the back door can be opened.

Back door opener switch operation	Operation condition
Back door open	 Vehicle speed is less than 5 km/h (3 MPH) 3 seconds or more after BCM outputs all doors lock signal Intelligent Key is outside of vehicle Intelligent Key is within outside key antenna detection area

OUTSIDE KEY ANTENNA DETECTION AREA

The outside key antenna detection area of back door open function is in the range of approximately 80 cm (31.50 in) surrounding the back door opener switch (1). However, this operating range depends on the ambient conditions.



HAZARD AND BUZZER REMINDER FUNCTION

Back door opening operation by back door opener switch, the hazard warning lamps and born blinks or honk as a reminder.

NOTE:

Hazard and buzzer reminder function is only operated at the first back door opening operation after BCM transmits LOCK signal to each door.

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Back door open function	Intelligent Key	Key slot	Remote keyless entry receiver	Door switch	Door request switch	Door lock actuator and fuel lid lock actuator	Inside key antenna	Outside key antenna (Rear bumper)	Intelligent Key warning buzzer	CAN communication system	ВСМ	Hazard warning lamp	Back door opener switch	Combination meter
Back door open function (Carrying Intelligent Key)	×	×	×	×	×	×	×	×		×	×		×	×
Hazard and buzzer reminder function									×	×	×	×		×

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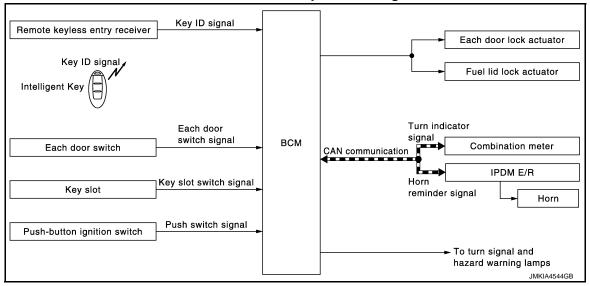
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REMOTE KEYLESS ENTRY FUNCTION

REMOTE KEYLESS ENTRY FUNCTION: System Diagram

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REMOTE KEYLESS ENTRY FUNCTION: System Description

INFOID:0000000005240058

The Intelligent Key has the same functions as the remote control entry system. Therefore, it can be used in the same manner as the Intelligent Key by operating the door lock/unlock button.

OPERATION

Remote keyless entry system controls operation of the following items.

- Door lock/unlock
- Selective unlock
- · Hazard and horn reminder
- Auto door lock

OPERATION AREA

To check that the Intelligent Key works normally, use within 1 m (3 ft) range of each door, however the operable range may differ according to surroundings.

DOOR LOCK/UNLOCK FUNCTION

- · When door lock/unlock button of the Intelligent Key is pressed, lock signal or unlock signal is transmitted from Intelligent Key to BCM via remote keyless entry receiver.
- When BCM receives the door lock/unlock signal, it operates all door lock actuators and fuel lid lock actuator, blinks the hazard lamp (lock: 2 times, unlock: 1 time) and horn chirp signal to IPDM E/R at the same time as a reminder.
- IPDM E/R honks horn (lock: 2 times) as a reminder

OPERATION CONDITION

Remote controller operation	Operation condition	
Lock	 More than 3 seconds are passed since Intelligent Key removed from key slot Panic alarm is not activated P position warning is not activated 	C
Unlock	 More than 3 seconds are passed since Intelligent Key removed from key slot Panic alarm is not activated 	F

SELECTIVE UNLOCK FUNCTION

When an LOCK signal is transmitted from Intelligent Key, all doors and fuel lid are locked.

When an UNLOCK signal is transmitted from Intelligent Key once, driver side door and fuel lid are unlocked. Then, if an UNLOCK signal is transmitted from Intelligent Key again within 60 seconds, all other doors are unlocked.

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Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to DLK-40, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by Intelligent Key button operation and if 60 seconds or more passes without performing the following operation, all doors and fuel filler lid are automatically locked. However, operation check function does not activate.

Operating condition	 Door switch is ON (door is open) Door is locked Push switch is pressed Intelligent Key is inserted in key slot

Auto door lock mode can be changed by the "AUTO LOCK SET" mode in "WORK SUPPORT". Refer to <u>DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)"</u>.

HAZARD AND HORN REMINDER FUNCTION

When doors are locked or unlocked by Intelligent Key, BCM blinks hazard warning lamps as a reminder. The hazard and horn reminder has a horn chirp mode (C mode) and a non-horn chirp mode (S mode).

Operating Function of Hazard and Horn Reminder

	C n	node	Sm	node
Intelligent Key operation	Lock	Unlock	Lock	Unlock
Hazard warning lamp blinks	Twice	Once	Twice	_
Horn sound	Once	_	_	_

Hazard and horn reminder does not operate in the following conditions.

- · Ignition switch position is ON.
- Door is open (only lock operation)

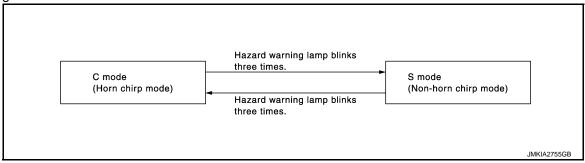
How to Change Hazard and Horn Reminder Mode

(III) With CONSULT-III

Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)",

Without CONSULT-III

When LOCK and UNLOCK signals are sent from the Intelligent Key for more than 2 seconds at the same time, the hazard and horn reminder mode is changed and hazard warning lamp blinks and horn sounds as per the following items:



LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

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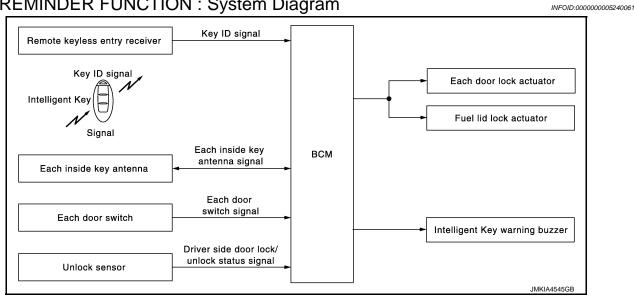
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Remote keyless entry functions	Intelligent Key	Key slot	Door request switch	Door switch	Door lock actuator and fuel lid lock actuator	CAN communication system	BCM	Combination meter	Hazard warning lamp	Horn	IPDM E/R
Door lock/unlock function	×	×		×	×		×				
Hazard and horn reminder function	×					×	×	×	×	×	×
Selective unlock function	×			×	×		×				
Auto door lock function		×		×			×				

KEY REMINDER FUNCTION

KEY REMINDER FUNCTION: System Diagram



KEY REMINDER FUNCTION: System Description

Key reminder is the function that prevents the key from being left in the vehicle. Key reminder has the following 3 functions.

Key remainder function	Operation condition	Operation
Driver door closed*	Right after driver side door is closed under the following conditions Door lock operation is performed Driver side door is open Driver side door is in lock state	All doors and fuel lid unlock
Door is open or closed	Right after all doors are closed under the following conditions Intelligent Key is inside the vehicle Any door is open All doors are locked by door lock and unlock switch	All doors and fuel lid unlock Honk Intelligent Key warning buzzer
Back door is closed	Right after back door is closed under the following conditions Intelligent Key is inside vehicle All doors (except back door) are closed All doors (except back door) are locked	 All doors and fuel lid unlock Back door can open with back door opener switch Honk Intelligent Key warning buzzer

^{*:}If the door closing impact shocks the door lock knob, or contacts against baggage with the door lock knob might activate the door locks accidentally but unlock operation is perform in these cases.

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CAUTION:

The above function operates when the Intelligent Key is inside the vehicle. However, there may be times when the Intelligent Key cannot be detected, and this function does not operate when the Intelligent Key is on the instrument panel, or in the glove box. Also, this system sometimes does not operate if the Intelligent Key is in the door pocket for the open door.

WARNING FUNCTION

WARNING FUNCTION: System Description

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OPERATION DESCRIPTION

The warning functions are as per the following items and are given to the user as warning information and warnings using combinations of Intelligent Key warning buzzer, combination meter, KEY warning lamp, key slot indicator and information display in combination meter.

- Intelligent Key system malfunction
- OFF position warning
- P position warning
- ACC warning
- Take away warning
- · Door lock operation warning
- Key warning
- Intelligent Key insert information
- Engine start information
- Steering lock information
- Intelligent Key low battery warning
- Key ID warning

OPERATION CONDITION

Once the following condition from below is established, alert or warning is executed.

Warning/Info	rmation functions	Operation procedure
Intelligent Key system ma	alfunction	When a malfunction is detected on BCM, "KEY" warning lamp illuminates
	For internal	Ignition switch: ACC positionDoor switch (driver side): ON (Door is open)
OFF position warning	For external*	OFF position warning (For internal) is in active mode, driver side door is closed NOTE: OFF position (For external) active only when each of the sequences occurs as below: P position warning \rightarrow ACC warning \rightarrow OFF position warning (For internal) \rightarrow OFF position warning (For internal)
P position warning*	For internal	 Shift position: Except P position Engine is running to stopped (Ignition switch is ON to OFF)
r position warning	For external	Warning is activated when driver door is closed from the open position while the P position warning (for inside vehicle) is ON
ACC warning*		 When P position warning is in active mode, shift position changes P position Ignition switch: ACC position
	Door is open to close	 Ignition switch: Except LOCK position Door switch: ON to OFF (Door is open to close) Intelligent Key cannot be detected inside the vehicle
	Door is open	 Door switch: ON (Door is open) Key ID verification every 5 seconds when registered Intelligent Key cannot be detected inside the vehicle
Take away warning	Push button-ignition switch operation	 Ignition switch: Except LOCK position Press push-button ignition switch Intelligent Key cannot be detected inside the vehicle
	Intelligent Key is removed from key slot	 When Intelligent Key is removed from key slot Intelligent Key cannot be detected inside the vehicle Ignition switch: Except LOCK position When intelligent Key is low battery

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Warning/Infor	mation functions	Operation procedure
Door lock operation warni	ng	When door lock operation is requested while door lock operating condition of door request switch is not satisfied
Key warning		 Ignition switch is OFF position Driver side door switch: ON (Driver side door is open) Intelligent Key is inserted in key slot
Intelligent Key insert information		 Door switch: ON to OFF (Door is open to close) Intelligent Key is out of key slot Intelligent Key cannot be detected inside the vehicle
	Ignition switch is ON position	 Ignition switch: ON position Shift position: P position* Engine is stopped
Engine start information	Ignition switch is except ON position	 Ignition switch: Except ON position Shift position: P position* Intelligent Key is inserted in key slot or Intelligent Key can be detected inside the vehicle
Steering lock information		When steering lock cannot be released after ignition switch is turned ON
Intelligent Key low battery warning		When Intelligent Key is low battery, BCM is detected after ignition switch is turned ON
Key ID warning		When registered intelligent Key cannot be detected inside the vehicle after ig nition switch is turned ON

^{*:} M/T models do not apply.

WARNING METHOD

The following table shows the alarm or warning methods with chime.

Information display (combination meter), "KEY" indicator or key slot indicator when the warning conditions are met.

					Warning	g chime	
Warning/Informa	ation functions	"KEY" warn- ing lamp	Information display (combination meter)	Key slot in- dicator	Combination meter buzzer	Intelligent Key warning buzzer	J
Intelligent Key system	m malfunction	Illuminate	_	_	_	_	DLI
OFF position warn-	For internal	_	_	_	Activate	_	DLK
ing	For external*	_	_	_	_	Activate	
	For internal			_	Activate	_	L
P position warning*	For external	_	SHIFT JMKIA0037GB	_	_	Active	M
ACC warning*		_	PUSH JMKIA0047GB	_	_	_	O P

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					Warning	g chime
Warning/Informa	ation functions	"KEY" warn- ing lamp	Information display (combination meter)	Key slot in- dicator	Combination meter buzzer	Intelligent Key warning buzzer
	Door is open to close	_		Blink	Activate	Activate
	Door is open	_		Blink	_	_
Take away warning	Push-ignition switch operation	_	NO KEY	Blink	Activate	_
	Intelligent Key is removed from key slot	_	JMKIA0036GB	Blink	_	_
Door lock operation	Request switch operation	_	_	_	_	Activate
warning	Intelligent Key operation	_	_	_	_	Activate
Key ID warning		_	NO KEY	_	_	_
Key warning		_	JMKIA0035GB	Blink	Activate	_
Intelligent Key insert	information	_	JMKIA0034GB	Illuminate	_	_
Engine start infor-	Automatic trans mission models	_	BRAKE JMKIA0032GB	_	_	_
mation	Manual trans- mission models	_	CLUCH JMKIA0049GB	_	_	_

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				Warning chime				
Warning/Information functions	"KEY" warn- ing lamp	Information display (combination meter)	Key slot in- dicator	Combination meter buzzer	Intelligent Key warning buzzer			
Steering lock information	_	JMKIA0033GB		_	_			
Intelligent Key low battery warning	_	JMKIA3049ZZ	_	_	_			

^{*:} M/T models do not apply.

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Warning function		Intelligent Key	Key slot	Ignition switch	Door switch	Door request switch	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	Combination meter warning buzzer	CAN communication system	BCM	Combination meter display	Key slot indicator	Detention switch	"KEY" warning lamp
Intelligent Key system malfunction											×	×				×
OFF position warning	For internal				×					×	×	×				
For external					×				×			×				
P position warning				×						×	×	×	×		×	
ACC warning				×						×	×	×	×		×	
Take away warning	Door is open or close	×			×		×		×	×	×	×	×	×		
	Door is open	×			×		×				×	×	×	×		
	Push-button ignition	×		×			×			×	×	×	×	×		
	Intelligent Key is removed from key slot	×	×				×				×	×	×	×		
Door lock operation warning		×	×		×	×	×	×	×			×				
Key ID warning		×	×	×			×				×	×	×			
Key warning		×	×		×					×	×	×	×	×		
Intelligent Key insert information		×	×	×	×		×				×	×	×	×		
Engine start information	Ignition switch is ON position	×	×	×			×				×	×	×		×	
	Ignition switch is except ON position	×	×	×			×				×	×	×			

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< SYSTEM DESCRIPTION > [COUPE]

Warning function	Intelligent Key	Key slot	Ignition switch	Door switch	Door request switch	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	Combination meter warning buzzer	CAN communication system	ВСМ	Combination meter display	Key slot indicator	Detention switch	"KEY" warning lamp
Steering lock information			×							×	×	×			
Intelligent Key low battery warning	×					×				×	×	×			

SYSTEM (BACK DOOR OPENER SYSTEM)

< SYSTEM DESCRIPTION >

[COUPE]

SYSTEM (BACK DOOR OPENER SYSTEM)

System Diagram

INFOID:0000000005240066

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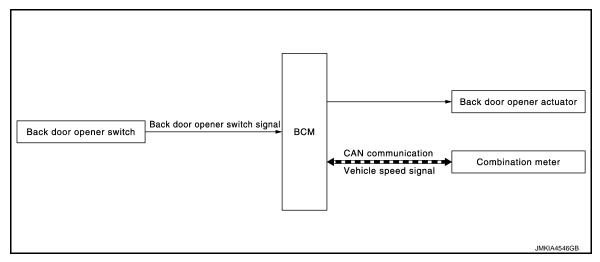
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System Description

INFOID:0000000005240067

BACK DOOR OPENER OPERATION

When back door opener switch is pressed, BCM opens back door opener actuator.

NOTE:

Back door opener actuator is not for locking the back door. The function is only to open the back door.

OPERATION CONDITION

If the following conditions are satisfied, back door opener operation is performed.

Back door opener switch operation	Operation condition	
Back door open	 When back door is unlocked using back door request switch (selective unlock mode), or after BCM outputs all doors unlock signal Vehicle speed is less than 5 km/h (3 MPH) 	

NOTE:

- When battery terminal is disconnected and reconnected during all doors unlock state, back door may not open.
- Regardless of door lock actuator state, BCM resets recognition of all doors unlock state approximately 30 seconds after battery terminal is disconnected and BCM recognizes that all doors are in lock state.
- When battery terminal is reconnected and back door does not open, have BCM recognize that all doors are in unlock state.

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SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

< SYSTEM DESCRIPTION >

[COUPE]

SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

System Description

INFOID:0000000005240168

- Integrated homelink transmitter can store and transmit a maximum of 3 radio signals.
- Allows operation of garage doors, gates, home and office lighting, entry door locks and security system, etc.
- Integrated homelink transmitter power supply uses vehicle battery, which enables it to maintain every program in case battery is discharged or removed.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

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DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT-III Function (BCM - COMMON ITEM)

INFOID:0000000005569961

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	Read and save the vehicle specification.Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

				x: Applicable Itel
System	Sub system selection item	Diagnosis mode		
System		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
_	AIR CONDITONER*			
Intelligent Key systemEngine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
IVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door/Trunk lid open	TRUNK		×	×
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	TPMS (AIR PRESSURE MONITOR)	×	×	×

NOTE:

FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

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^{*:} This item is displayed, but is not used.

[COUPE]

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected		
	SLEEP>LOCK		While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK")	
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)	
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"	
	ACC>ON		While turning power supply position from "ACC" to "IGN"	
	RUN>ACC		While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)	
	CRANK>RUN		While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)	
	RUN>URGENT		While turning power supply position from "RUN" to "ACC" (Emergency stop operation)	
	ACC>OFF		While turning power supply position from "ACC" to "OFF"	
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"	
Vehicle Condition	OFF>ACC	Power position status of the moment a particular	While turning power supply position from "OFF" to "ACC"	
	ON>CRANK	DTC is detected	While turning power supply position from "IGN" to "CRANKING"	
	OFF>SLEEP		While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode	
	LOCK>SLEEP		While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode	
	LOCK		Power supply position is "LOCK" (Ignition switch OFF with steering is locked.)	
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)	
	ACC		Power supply position is "ACC" (Ignition switch ACC)	
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)	
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)	
	CRANKING		Power supply position is "CRANKING" (At engine cranking)	
IGN Counter	0 - 39	 The number of times that ignition switch is turned ON after DTC is detected The number is 0 when a malfunction is detected now. The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch OFF → ON. The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 		

DOOR LOCK

DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)

INFOID:0000000005240072

WORK SUPPORT

Monitor item	Description
DOOR LOCK-UNLOCK SET	Selective unlock function mode can be changed to operate (ON) or not operate (OFF) with this mode
AUTOMATIC DOOR LOCK SE- LECT	Automatic door lock function mode can be selected from the following in this mode VH SPD: All doors are locked when vehicle speed more than 24 km/h (15 MPH) P RANGE*: All doors are locked when shifting the selector lever from P position to other than the P position

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

Monitor item	Description	
AUTOMATIC DOOR UNLOCK SELECT	 Automatic door unlock function mode can be selected from the following in the mode MODE 1: All doors are unlocked when the power supply position is changed from ON to OFF MODE 2*: All doors are unlocked when shifting the selector lever from any position other than the P to P position MODE 3: Driver side door is unlocked when the power supply position is changed from ON to OFF MODE 4*: Driver side door is unlocked when shifting the selector lever from any position other than the P to P position 	
AUTOMATIC LOCK/UNLOCK SET	Automatic door lock/unlock function mode can be selected from the following in this mode Off: non-operational Unlock Only: door unlock operation only Lock Only: door lock operation only Lock/Unlock: lock/unlock operation	

^{*:} P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

DATA MONITOR

Monitor Item	Contents
REQ SW-DR	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-BD/TR	Indicated [On/Off] condition of back door request switch/door request switch (trunk lid)
DOOR SW-DR	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR	NOTE: This item is displayed, but cannot be monitored
DOOR SW-RL	NOTE: This item is displayed, but cannot be monitored
DOOR SW-BK	Indicated [On/Off] condition of back door switch/ trunk room lamp switch*
CDL LOCK SW	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW	Indicated [On/Off] condition of unlock signal from door lock unlock switch
KEY CYL LK-SW	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW	Indicated [On/Off] condition of unlock signal from door key cylinder

^{*:} For roadster models

ACTIVE TEST

Test item	Description
DOOR LOCK	This test is able to check door lock/unlock operation The all door lock actuators are locked when "ALL LCK" on CONSULT-III screen is touched The all door lock actuators are unlocked when "ALL UNLK" on CONSULT-III screen is touched The door lock actuator (driver side) is unlocked when "DR UNLK" on CONSULT-III screen is touched The door lock actuator (passenger side) is unlocked when "AS UNLK" on CONSULT- III screen is touched The door lock actuator (passenger side) is unlocked when "AS UNLK" on CONSULT- III screen is touched "OTR ULK" item is displayed, but cannot be monitored

INTELLIGENT KEY

INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY) INFOID:000000005240073

WORK SUPPORT

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Monitor item	Description
CONFIRM KEY FOB ID	It can be checked whether Intelligent Key ID code is registered or not in this mode
AUTO LOCK SET	Auto door lock time can be changed in this mode • MODE 1: 1 minute • MODE 2: 5 minutes • MODE 3: 30 seconds • MODE 4: 2 minutes
LOCK/UNLOCK BY I-KEY	Door lock/unlock function by door request switch (driver side, passenger side and back door side/trunk lid*) mode can be changed to operate (On) or not operate (Off) in this mode
ENGINE START BY I-KEY	Engine start function mode can be changed to operate (On) or not operate (Off) with this mode
TRUNK/GLASS HATCH OPEN	Buzzer reminder function mode by back door opener switch/ trunk lid opener switch* can be changed to operate (ON) or not operate (OFF) with this mode
PANIC ALARM SET	Panic alarm button pressing time on Intelligent Key remote control button can be selected from the following with this mode • MODE 1: 0.5 sec. • MODE 2: Non-operation • MODE 3: 1.5 sec.
TAKE OUT FROM WIN WARN	NOTE: This item is displayed, but cannot be monitored
PW DOWN SET	Unlock button pressing time on Intelligent Key button can be selected from the following with this mode • MODE 1: 3 sec. • MODE 2: Non-operation • MODE 3: 5 sec.
TRUNK OPEN DELAY	NOTE: This item is displayed, but cannot be supported
LO- BATT OF KEY FOB WARN	Intelligent Key low battery warning mode can be changed to operate (On) or not operate (Off) with this mode
ANTI KEY LOCK IN FUNCTI	Key reminder function mode can be changed to operate (On) or not operate (Off) with this mode
HAZARD ANSWER BACK	Hazard reminder function mode can be selected from the following with this mode • LOCK ONLY: Door lock operation only • UNLOCK ONLY: Door unlock operation only • LOCK/UNLOCK: Lock/unlock operation • OFF: Non-operation
ANS BACK I-KEY LOCK	Buzzer reminder function (lock operation) mode by door request switch (driver side, passenger side and back door side/trunk lid*) can be selected from the following with this mode Horn chirp: Sound horn Buzzer: Sound Intelligent Key warning buzzer OFF: Non-operation
ANS BACK I-KEY UNLOCK	Buzzer reminder function (unlock operation) mode by door request switch (driver side, passenger side and back door side/trunk lid*) can be changed to operate (On) or not operate (Off) with this mode
SHORT CRANKING OUTPUT	Starter motor can be forcibly activated
INSIDE ANT DIAGNOSIS	This function allows inside key antenna self-diagnosis
HORN WITH KEYLESS LOCK	Horn reminder function mode by Intelligent Key button can be changed to operate (On) or not operate (Off) with this mode

^{*:} For roadster models

SELF-DIAG RESULT Refer to BCS-86, "DTC Index".

DATA MONITOR

[COUPE]

Monitor Item	Condition
REQ SW -DR	Indicates [On/Off] condition of driver side door request switch
REQ SW -AS	Indicates [On/Off] condition of passenger side door request switch
REQ SW -BD/TR	Indicates [On/Off] condition of back door request switch/trunk lid door request switch*4
PUSH SW	Indicates [On/Off] condition of push-button ignition switch
IGN RLY2 -F/B	Indicates [On/Off] condition of ignition relay 2
ACC RLY-F/B	NOTE: This item is displayed, but cannot be monitored
CLUCH SW*1	Indicates [On/Off] condition of clutch switch
BRAKE SW 1	Indicates [On/Off]*3 condition of brake switch power supply
BRAKE SW 2	Indicates [On/Off] condition of brake switch
DETE/CANCL SW*2	Indicates [On/Off] condition of P position
SFT PN/N SW* ²	Indicates [On/Off] condition of P or N position
S/L -LOCK	Indicates [On/Off] condition of steering lock unit (LOCK)
S/L -UNLOCK	Indicates [On/Off] condition of steering lock unit (UNLOCK)
S/L RELAY -F/B	Indicates [On/Off] condition of steering lock relay
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status
PUSH SW -IPDM	Indicates [On/Off] condition of push-button ignition switch
IGN RLY1 -F/B	Indicates [On/Off] condition of ignition relay 1
DETE SW -IPDM*2	Indicates [On/Off] condition of P position
SFT PN -IPDM*2	Indicates [On/Off] condition of P or N position
SFT P -MET*2	Indicates [On/Off] condition of P position
SFT N -MET* ²	Indicates [On/Off] condition of N position
ENGINE STATE	Indicates [STOP/STALL/CRANK/RUN] condition of engine states
S/L LOCK-IPDM	Indicates [On/Off] condition of steering lock unit (LOCK)
S/L UNLK-IPDM	Indicates [On/Off] condition of steering lock unit (UNLOCK)
S/L RELAY-REQ	Indicates [On/Off] condition of steering lock relay
VEH SPEED 1	Display the vehicle speed signal received from combination meter by numerical value [km/h]
VEH SPEED 2	Display the vehicle speed signal received from ABS or VDC or TCM by numerical value [km/h
DOOR STAT-DR	Indicates [LOCK/READY/UNLOCK] condition of driver side door status
DOOR STAT-AS	Indicates [LOCK/READY/UNLOCK] condition of passenger side door status
ID OK FLAG	Indicates [Set/Reset] condition of key ID
PRMT ENG STRT	Indicates [Set/Reset] condition of engine start possibility
PRMT RKE STRT	NOTE: This item is displayed, but cannot be monitored
KEY SW -SLOT	Indicates [On/Off] condition of key slot
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored
RKE-LOCK	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored
RKE-PANIC	Indicates [On/Off] condition of PANIC button of Intelligent Key
RKE-P/W OPEN	Indicates [On/Off] condition of P/W DOWN signal from Intelligent Key
RKE-MODE CHG	Indicates [On/Off] condition of MODE CHANGE signal from Intelligent Key

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DIAGNOSIS SYSTEM (BCM)

[COUPE]

Monitor Item	Condition
RKE OPE COUN1	When remote keyless entry receiver (front) receives the signal transmitted while operating on Intelligent Key, the numerical value start changing
RKE OPE COUN2*5	When remote keyless entry receiver (rear)*4 receives the signal transmitted while operating on Intelligent Key, the numerical value start changing
REVERSE SW*1	Indicates [On/Off] condition of R position

^{*1:} It is displayed but does not operate on A/T models.

ACTIVE TEST

Test item	Description
BATTERY SAVER	This test is able to check interior room lamp operation The interior room lamp is activated after "On" on CONSULT-III screen is touched
PW REMOTO DOWN SET	This test is able to check power window down operation The power window down is activated after "On" on CONSULT-III screen is touched
OUTSIDE BUZZER	This test is able to check Intelligent Key warning buzzer operation The Intelligent Key warning buzzer is activated after "On" on CONSULT-III screen is touched
INSIDE BUZZER	This test is able to check warning chime in combination meter operation • Take away warning chime sounds when "Take out" on CONSULT-III screen is touched • Key warning chime sounds when "Key" on CONSULT-III screen is touched • OFF position warning chime sounds when "Knob" on CONSULT-III screen is touched
INDICATOR	This test is able to check warning lamp operation • "KEY" Warning lamp illuminates when "Key on" on CONSULT-III screen is touched • "KEY" Warning lamp blinks when "Key ind" on CONSULT-III screen is touched
INT LAMP	This test is able to check interior room lamp operation The interior room lamp is activated after "On" on CONSULT-III screen is touched
LCD	This test is able to check meter display information • Engine start information displays when "BP N" on CONSULT-III screen is touched • Engine start information displays when "BP I" on CONSULT-III screen is touched • Key ID warning displays when "ID NG" on CONSULT-III screen is touched • Steering lock information displays when "ROTAT" on CONSULT-III screen is touched • P position warning displays when "SFT P" on CONSULT-III screen is touched • Intelligent Key insert information displays when "INSRT" on CONSULT-III screen is touched • Intelligent Key low battery warning displays when "BATT" on CONSULT-III screen is touched • Take away through window warning displays when "NO KY" on CONSULT-III screen is touched • Take away warning display when "OUTKEY" on CONSULT-III screen is touched • OFF position warning display when "LK WN" on CONSULT-III screen is touched
TRUNK/GLASS HATCH	NOTE: This item is displayed, but cannot be tested
FLASHER	This test is able to check hazard warning lamp operation The hazard warning lamps are activated after "LH/RH/Off" on CONSULT-III screen is touched
HORN	This test is able to check horn operation The horn is activated after "On" on CONSULT-III screen is touched
P RANGE*1	This test is able to check A/T shift selector power supply A/T shift selector power is supplied when "On" on CONSULT-III screen is touched
ENGINE SW ILLUMI	This test is able to check push-ignition switch illumination operation Push-ignition switch illumination illuminates when "On" on CONSULT-III screen is touched
LOCK INDICATOR	This test is able to check LOCK indicator in push-ignition switch operation LOCK indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched

^{*2:} It is displayed but does not operate on M/T models.

^{*3:} OFF is displayed when brake pedal is depressed while brake switch power supply is OFF.

^{*4:} For roadster models

^{*5:} It is displayed but does not operate on coupe models.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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Test item	Description
ACC INDICATOR	This test is able to check ACC indicator in push-ignition switch operation ACC indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched
IGNITION ON IND	This test is able to check ON indicator in push-ignition switch operation ON indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched
KEY SLOT ILLUMI	This test is able to check key slot illumination operation Key slot illumination blinks when "On" on CONSULT-III screen is touched
TRUNK/BACK DOOR	This test is able to check back door opener actuator/ trunk lid opener actuator* ² open operation This actuator opens when "Open" on CONSULT-III screen is touched

^{*1:} It is displayed but does not operate on M/T models.

TRUNK

TRUNK: CONSULT-III Function (BCM - TRUNK)

INFOID:0000000005240074

DATA MONITOR

Monitor Item	Contents	G
PUSH SW	Indicates [On/Off] condition of push-button ignition switch	
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status	Н
VEH SPEED 1	Indicates [km/h] condition of vehicle speed signal from combination meter	
KEY CYL SW-TR	NOTE: This item is displayed, but cannot be monitored	
TR CANCEL SW*1	Indicates [On/Off] condition of trunk lid cancel switch	
TR/BD OPEN SW	Indicates [On/Off] condition of back door opener switch/trunk lid opener switch* ²	
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored	J
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored	DLK

^{*1:} It is displayed but does not operate on coupe models.

ACTIVE TEST

Test item	Description
TRUNK/GLASS HATCH	NOTE: This item is displayed, but cannot be tested

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^{*2:} For roadster models

^{*2:}For roadster models

[COUPE]

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

INFOID:0000000005368282

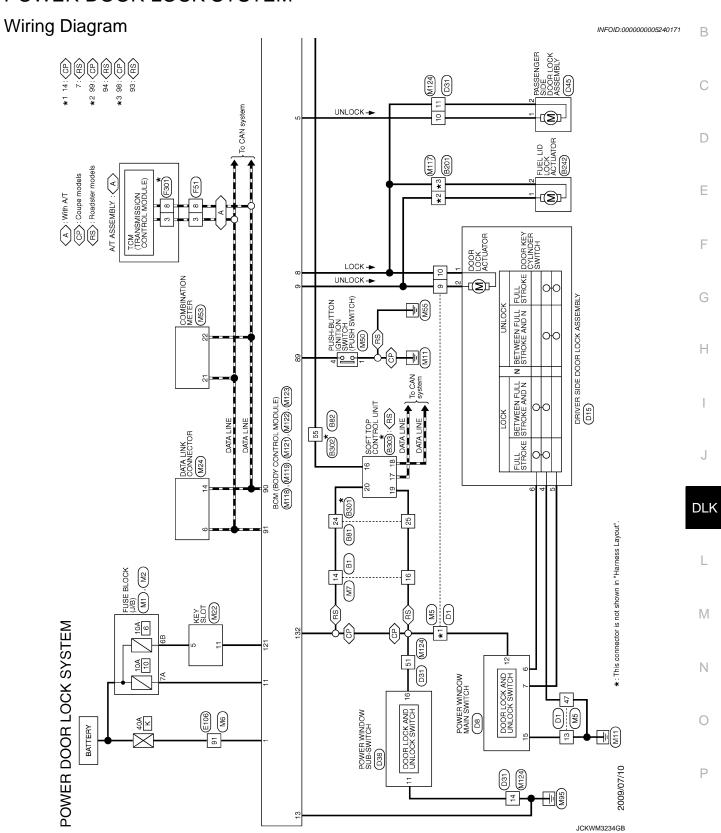
ECU	Reference
	BCS-51, "Reference Value"
BCM	BCS-82, "Fail-safe"
BOW	BCS-85, "DTC Inspection Priority Chart"
	BCS-86, "DTC Index"

< WIRING DIAGRAM > [COUPE]

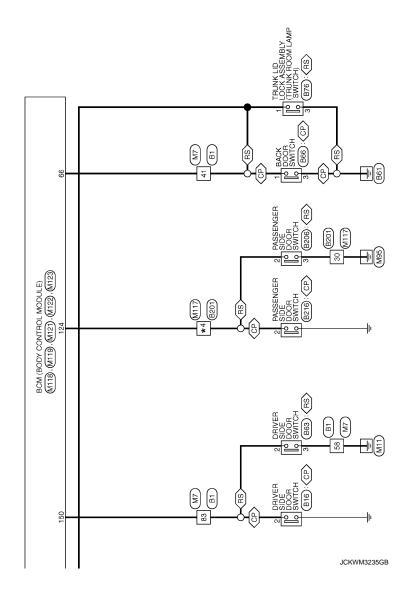
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WIRING DIAGRAM

POWER DOOR LOCK SYSTEM







< WIRING DIAGRAM > [COUPE]

	POWER D Connector No. Connector Name Connector Type	POWER DOOR LOCK SYSTEM Connector No. BI Connector Name WIRE TO WIRE Connector Type TH80FW-CS16-TM4	∑	52 57 58 60	W SHELD >			Connector No. Connector Name		B16 DRIVER SIDE DOOR SWITCH A03FW		Connector No. Connector Name	B76 TRUNK LID LOCK ASSEMBLY NS03FW-CS	< ASSEMBLY	
	H.S.			65 65 65 65 65 65 65	SB SHIELD Y Y SHIELD			is.				S. H.	<u> </u>	ee ee	
	Terminal Color No. 1 Color No. 2 C C C C C C C C C C C C C C C C C C	Signal Name [Specification] Coupe models	l l l l l l l l l l l l l l l l l l l	66 66 67 77 77 77 73 73 73 74 74 74 74 74 74 74 88 88 88 88 88 88 88 89 89 89 99 99 99	B C C S B B < C C C C B B B < C C C C C B B B D < C C C C B B B D < C C C C B B B D < C C C C C C C C C C C C C C C C C C		models] models] models] models] models] models]	Terminal Color No. Connector Name C	B83 B83 B83 B83 B83 B83 B83 B83 B84 B84	Signal Name [Specification] BBS DRIVER SIDE DOOR SWITCH A03FW Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification]	trion]	Cornector Name Color Name Connector Name Connecto	11440FW	Signal Name [Specification]	
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< WIRING DIAGRAM >

[COUPE]

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< WIRING DIAGRAM > [COUPE]

POWER DOOR LOCK SYSTEM Connector No. 8302 Connector Name WIRE TO WIRE Connector Type INSIGNW-CS ##3. 152 53 152 53 153 155	14 L ROOF OPEN / CLOSE SWITCH (CLOSE) 15 LG ROOF OPEN / CLOSE SWITCH (OPEN) 16 V TRUNK ROOM LAMP SWITCH 17 BG COAL COMMUNICATION (POWER WINDOW) 19 LG LOCAL COMMUNICATION (BCN) 21 BR SENSOR POWER SUPPLY (NOOF STREER SENSOR BH) 29 DG ROOF OPEN / CLOSE SWITCH (GND) 35 P ROOF OPEN / CLOSE SWITCH (GND)	Connector No. D8 Connector Name POWER WINDOW MAIN SWITCH Connector Type NS16FW-CS MS16FW-CS 1 MS16FW-CS 1 MS16FW-CS 1	Connector No. D31
Terminal Color Signal Name [Specification] Signal Name [Sp	Connector Name WIRE TO WIRE	Terminal Color Signal Name [Specification] No. 1 W	Terminal Color Signal Name [Specification] No.
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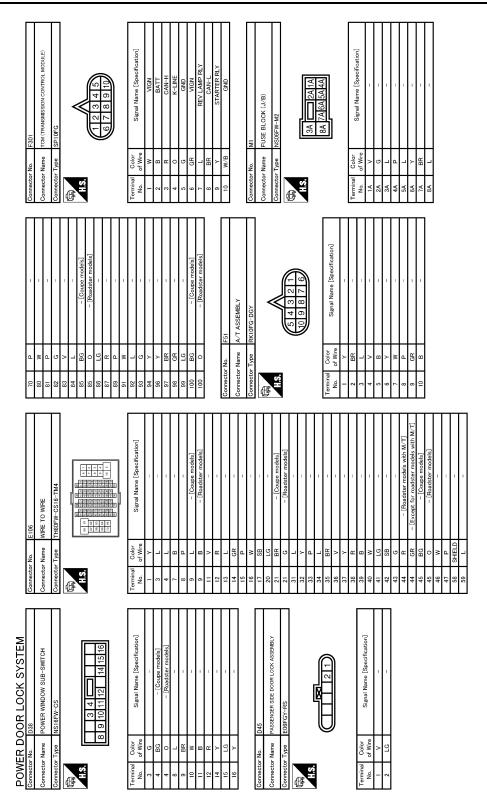
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< WIRING DIAGRAM > [COUPE]



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		7111	209	M		42	2 0		
Connector Name	Name	FUSE BLOCK (J/B)	515	: 2	1	43	: 5		
Connector Type	Type	NS10FW-CS	25	٦	1	44	5	- [With A/T]	
q			53	М	-	44	Я	- [With M/T]	
F			54	9	-	45	0	-	
HS			22	۳	1	46	g	1	
		48 38 28 18				47	BR	1	
		10B 9B 8B 7B 6B 5B	ļ			28	SHELD	ļ	
			Connector No.	r No.	M6	29	_		
			Connector Name	r Name	WIRE TO WIRE	2 8	2 ع	-	
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	of Wire	Signal Name [Specification]		26	180	85	<u></u>	1	
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5B	0	_			8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	98	Υ	_	
6B	٨	_				87	^	 [Roadster models with M/T] 	
88	œ	1				87	5	- [Except for roadster models with M/T]	
9B	SB	-				89	Ь	_	
			Terminal	Color	[noite afficency] emeN lemiS	91	W	_	
			No.	of Wire	O'Brian Manne Copecinication	92	Ь	_	
Connector No.	No.	M5	-	Υ	1	93	Ь	1	
Connector Name	Name	WIRE TO WIRE	က	٦	1	94	>	1	
			4	٦	1	96	Д	1	_
Connector Type	Type	TH40MW-CS15	7	В	1	97	GR	_	
þ			8	Ь	1	86	0	_	
事			6	Г	- [Coupe models]	66	Μ	-	
SIS			6	В	- [Roadster models]	100	æ	_	
	2	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Ξ	GR	1				
	16171815	16 17 18 19 20 21 22 23 24 25 26 36 37 38 39 40 41 42 43 44 45 46 27 27 27 27 27 27 27 27 27 27 27 27 27	12	ď	1				
_			13	٦	_				
,			14	9	-				
			15	Ь	-				
lal	Color		91	М	1				
No.	of Wire		17	BR	1				
7	>	-	20	GR	1				
8	>	1	21	BR	- [Coupe models]				
6	5	1	21	œ	- [Roadster models]				
10	>	1	31	7	- [Roadster models with M/T]				
=	>	1	31	BR	- [Except for roadster models with M/T]				
12	-	1	32	٨	- [Roadster models with M/T]				
13	8	-	32	>	- [Except for roadster models with M/T]				
4	>	1	33	۵	1				
15	×	1	34	7	1				
19	>	-	32	æ	1				
23	Y/B	-	38	SB	-				
44	_	-	37	≻	1				
47		1	88	PC	-				
48	SB	1	33	SB	1				
49	SB	- [Roadster models with M/T]	40	٨					
,	3			:					

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< WIRING DIAGRAM > [COUPE]

	IMI	21	>	=	Connector No.	M22	Connector No. M50
Connector Name	e WIRE TO WIRE	52	œ	T	Connector Name	KEY SLOT	Connector Name PUSH-BUTTON IGNITION SWITCH
	┰	57	SHELD	1		1110 1110 1110	Т
nnector 1 ype	٦.	8 8	n .	3	connector Type	I H I ZF W-NH	1
42		8 8	- >	- [Coupe models]	42		•
1	(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	8 5	>	Lyoadster models]			
ź.		ō 6	r g	- [Coupe models]	ž Ž		
	Z 18 2 Z 18 2	69	SHELD	Fernous Discount		123 56	۱ ۲ ا
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	63	~	- [Golupe models]		7 11	4 2 6 / 8
		63	æ	- [Roadster models]			
		64	5	- [Coupe models]			
la l		64	>	- [Roadster models]	-e		ial Color
No. of Wire	ire Signal Name [Specification]	92	SHIELD	1	No. of Wire		No. of Wire Signal Name [Specification]
1 BR	-	99	PC	- [Coupe models]	- 2	BAT [Roadster models with M/T]	1 B -
2 0	-	99	Ь	[Roadster models]	_	BAT [Except for roadster models with M/T]	2 R –
3 LG	1	29	>	- [Coupe models]	2 GR	CLOCK	\dashv
4 0	_	67	_	[Roadster models]	3 M	DATA	3 G = [Except for roadster models with M/T]
۸ ۷	_	89	SHIELD	-	5 ×	ILL BAT	4 BR –
7 LG	1	69	_	- [Coupe models]	9 9	ILL	_
8 SB	_	69	Ж	[Roadster models]	7 B	GND	- × 9
9 GR	-	70	Ь	- [Coupe models]	11 R	KEY SWITCH SIGNAL	-
11 Y	-	70	g	- [Roadster models]			- B
12 V	-	71	^	-			
13 BR	-	72	Ь	-	Connector No.	M24	
14 V	-	73	BR	-	Nonce Nonce	DATA LINK CONNECTOR	
15 B	1	74	GR	1	Collinector Natine	DATA LINA CONINECTOR	
V 91	1	75	0	-	Connector Type	BD16FW	
20 SB		80	Υ	_	ą		
21 G	_	81	W	-	季		
22 GR		82	BR	_	S		
23 V	-	83	GR	-		11 14 16 \	
24 R	1	84	7	1	_	9 7 8 8 7 8	
+	1	82	5	Ţ	_	1 2 2 1	
+	1	98	>	ı	<u></u>		
+	1	87	BR	ı	Ŀ		
32 B	1	88	SB	1	a	Signal Name [Specification]	
33 W	_	93	٨	-	No. of Wire		
34 R	-	94	SB	[Coupe models]	3	1	
35 B	_	94	_	 [Roadster models] 	4 B	_	
40 L	-	92	GR	- [Coupe models]	9 9	-	
41 R	1	98	М	- [Roadster models]	9	1	
42 GR	1	96	_	1	^	- [Coupe models]	
H	- [Coupe models]	6	5 T	- [Coupe models]	>	- [Roadster models]	
43	- [Roadster models]	-6	>	- [Roadster models]	5 8	1	
44 R		86	BG	- [Coupe models]	11	1	
45 0	1	86	Y/B	- [Roadster models]	14 P	1	
46 G		66	*	1	H	1	
Ľ		100	В	1			
47 R							
L							

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< WIRING DIAGRAM > [COUPE]

-6	POWER	POWER DOOR LOCK SYSTEM			_	[ļ		L
	Connector No.	Т	e •	ш ;		87	σ.	1	Terminal Color Signal Name [Specification]
	Connector Name	ne COMBINATION METER	4	≥ (8 8	1	1	ot Wire
,,	T. actor	Т	4 -	1	G - [Koadster models]	8	٦ آ		4 R INTERIOR ROOM LAMP POWER SUPPLY
الك	connector Type	٦.	-	1		98			: פ
	4		٠ (- -	- [Hoadster models]	36 8	5 5		5 V SUPER LOCK DUTPUT [Roadster models]
			xo c	1		92	2 0	- [Koadster models]	> 0
_		- 11	n :	- -		3 3	د :		11 BD DRIVER DOOR, FUEL EID UNEUGN OUTPUT
	-	456 89	2	1		26	SHIFLD	D - [Coune models]	
		15 16 17 18 19 20 21 22 23 24	21	2		1	g	-	R PUSH-BUTTON IC
			30	В	- 8	95	SB		H
			40	0		95	PT	- [Roadster models]	17 W TURN SIGNAL RH (FRONT, SIDE)
	lan	olor Simal Name [Specification]	41	٨		97	PT		18 O TURN SIGNAL LH (FRONT, SIDE)
	No. of Wire		45	٥	-	97	>	- [Roadster models]	P ROOM LAMP TIMER CONTRO
	-		ξ¥ :	7	-	86	>		19 V ROOM LAMP TIMER CONTROL [Roadster models]
	+	+	4	ν <u>ν</u>	- age	86	χ/B	3 - [Roadster models]	
_	2 .	L VEHICLE SPEED SIGNAL (2-PULSE)	2 5	+	ı (66	<u>ع</u> ا		- N
	+ 4	+	20	5 117	5 0	9 5	ř >	- [Coupe models]	Τ
_	+	\downarrow	3 2	<u> </u>		3		_ [Noauster mouels]	Connector Name BCM (BODY CONTROL MODULE)
•	<u> </u> "	COMMINIC	5.4	╀	1	Ι			Connector Type TH40FGY=NH
_	t	+	5.55	╀	ľ	Connector No.	tor No.	M118	7
_	╀	G S-MODE SWITCH SIGNAL	55	_		 -		Т	
_	15 L	L ACC POWER SUPPLY	26	SHIELI	ELD -	Connec	Connector Name	BCM (BODY CONTROL MODULE)	
	16 R	L	22	٥	G - [Coupe models]	Connec	ector Type	M03FB-LC	
	L		22	ľ	ľ	<u> </u>	,	1	47 39 38 35 34
	H	AMBIEN	28	~		F			
	19 G	G A/C AUTO AMP, CONNECTION RECOGNITION SIGNAL	28	Ľ	L - [Roadster models]				
	Ľ	AMBIENT SENSOR	99	В		 		С Т	
	21 L	L CAN-H	09	Μ	N				lal
	22 P	> CAN-L	61	Ö	GR –			7	of Wire
	\dashv	_	62	В					SB
_	24 Y	Y FUEL LEVEL SENSOR GROUND	63	>		<u> </u>	Ŀ		σ :
			64	- '	-	Terminal	al Color	Signal Name [Specification]	35 V LUGGAGE ROOM ANT+ [Roadster models with M/T]
	Connector No	M117	8	5 0	- [Couna modale]	- T	3	BAT (E/1)	t
_		T	99	1	-	- ^	3	t	2 8
	Connector Name	ne WIRE TO WIRE	67	, >		4 6	: >	POWER WINDOW POWER SLIPPI Y (IGN)	Y IGN RELAY (IPC
	Connector Type	Pe TH80MW-CS16-TM4	89	. 0	- [Coupe models]	·] T	1	(A)	. >
4 -	ŀ	1	89	Ö	GR - [Roadster models]				52 SB STARTER RELAY CONT
_	修		69	Ľ		Connector No.	tor No.	M119	W BACK DO
	Š	20 ES	69	۵	 -		:	г	*
		8	2	ľ		Connec	Connector Name	BCM (BODY CONTROL MODULE)	>
			2	0	<u></u>	Connec	nector Type	NS16FW-CS	64 G I-KEY WARN BUZZER (ENG ROOM) [Except for roadster models with M/T]
			8	^			ļ,	1	~
		20 00 00 00 00 00 00 00 00 00 00 00 00 0	8	Ľ	-	F			R
			81	ľ	-	S T			æ
_	Terminal Color	olor Simal Nama [Spacification]	82	>	- A	 	1	4 5	67 GR TRUNK LID OPENER SW [Roadster models]
			83	В				11 13 14 15 17 18 19	
	\dashv		84	۳		1			
	7	1	82	g	1	1			
	3 0	Coupe models]	86	SHI	SHIELD -				
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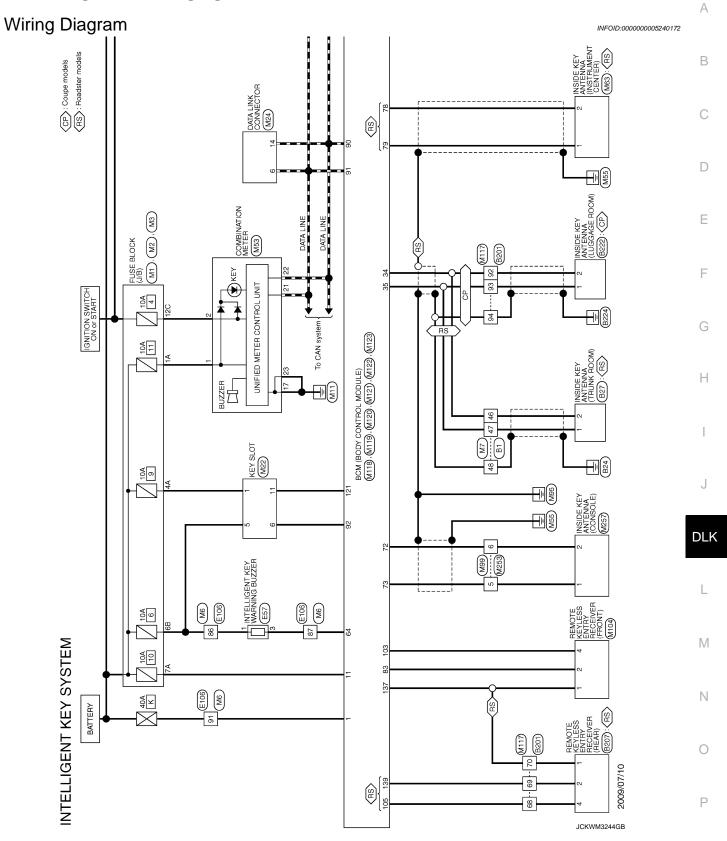
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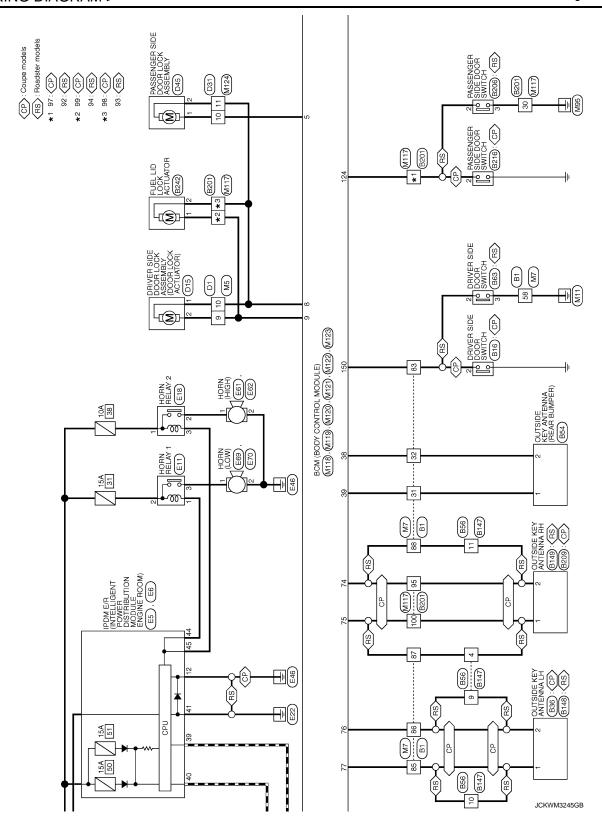
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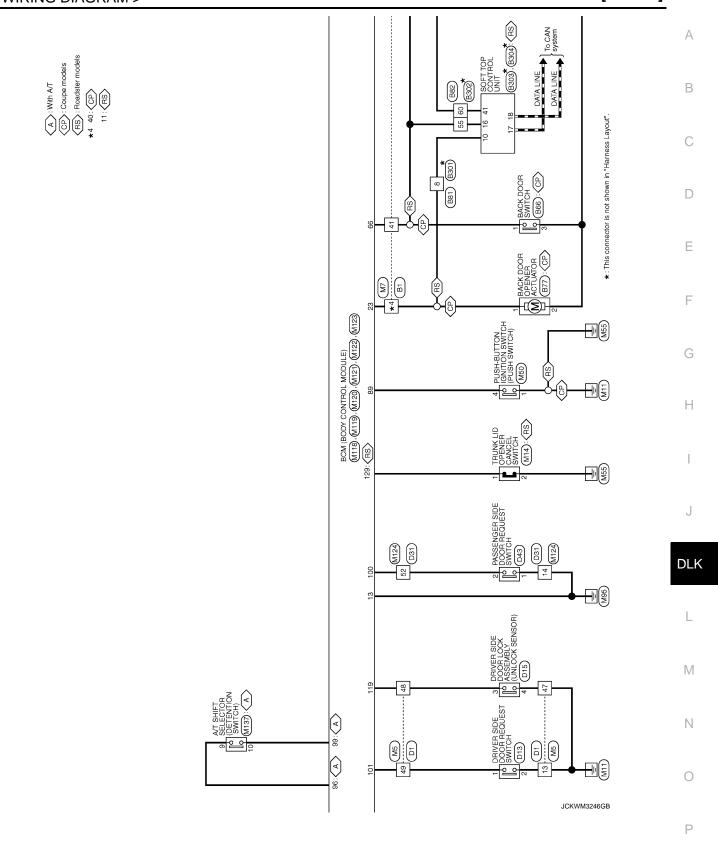
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POW	ER D	POWER DOOR LOCK SYSTEM						
Connector No	or No.	M122	106	М	S/L UNIT POWER SUPPLY	150	GR	DRIVER DOOR SW
Connect	Connector Name	BCM (BODY CONTROL MODULE)	107	PP	COMBI SW INPUT 1	151	9	REAR WINDOW DEFOGGER RELAY CONT
1	T and	- IV GLOVE	80 5	۶ ک	COMBI SW INPUT 4			
ooliileccoi i she	adk in	INFOLD-IND	8 5	- 0	LAZADD SW [Decelater models with M/T]	Connector No	Γ	M134
修			011	5 0.	HAZARD SW [Except for roadster models with M/T]		Т	HZ4
H.S.			Ξ	>	S/L UNIT COMM	Connector Name	\neg	WINE TO WINE
	_ =	88 87				Connector Type	П	TH40MW-CS15
	111 110 108 1	100 107 106 105 105 100 100 101 100 99 98 97 98 95 93 93 92	Connector No.	r No.	M123	修		
			Connector Name	r Name	BCM (BODY CONTROL MODULE)	HS.	1 2 3	2 3 4 5 6 7 8 9 10 11 12 13 14 15
Terminal	\vdash	Signal Name [Specification]	Connector Type	r Type	TH40FG-NH		161718192	1617 18 19 2021 22 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ė P	of Wire	+	1					
72	۷ _	ROOM ANT 2- [Troadster models with M/T]						
73	g	ROOM ANT 2+ [Roadster models with M/T]	2			Terminal	Color	
73	۵	ROOM ANT 2+ [Except for roadster models with M/T]		130 129	124 125 129 129 118 118 118 112 12 12 12 12 12 12 12 12 12 12 12 12	No.	of Wire	olgnal Name Lopecincation
74	SB	PASSENGER DOOR ANT-				10	ŋ	- [Coupe models]
75	æ	PASSENGER DOOR ANT+				10	>	- [Roadster models]
9/	> 1	DRIVER DOOR ANT-				= :	> !	- [Coupe models]
= F	<u> </u>	DRIVER DOOR ANT+	lerminal N-	Color	Signal Name [Specification]	= 5	<u> </u>	- [Roadster models]
, 2	_ ;	ROOM ANT 1= [With A/T]	No.	or wire	000110 1101100	7 5	5 ;	1
e 6	، ا	FOOM ANT 1- [with M/1]	2	ء د	OPTICAL SENSOR		> 0	1
8/ 02	2 8	BOOM ANT 1+ [With A/T]	± ±	r	SHOCK SENSOD	÷	ء م	
6	6 8	NATS ANT AMD	911	9	STOCK SENSOR	2 5	>	1 1
81 80	5 ≥	NATS ANT AMP.	-18	g a	STOP LAMP SW 2	23	- ×/	
8	2	IGN RELAY (F/B) CONT	110	ď	DR DOOR HIN OCK SENSOR	44	۵	slabom acrocil =
88	: >	KYLS ENT RECEIVER (FRONT) COMM (Roadster models with M/T)	121	2	KEY SLOT SW	44	: 0	- [Roadster models]
83	æ	KYLS ENT RECEIVER (FROWT) COMM (Except for readster models with M./T)	123	М	IGN F/B	20	>	1
87	BR	COMBI SW INPUT 5	124	ΡC	PASSENGER DOOR SW	51	>	1
88	^	COMBI SW INPUT 3	129	0	TRUNK LID OPENER CANCEL SW	52	В	 [Roadster models with M/T]
88	BR	PUSH SW	130	٦	REAR DEFOGGER SW	52	GR	 [Except for roadster models with M/T]
90	۵	CAN-L	132	>	POWER WINDOW SW COMM [Coupe models]	53	Α	1
91	_	CAN-H	132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]	54	g	1
95	₂	KEY SLOT ILL	133	œ	PUSH BUTTON IGNITION SWILL POWER [Roadster models with M/T]	55	œ	I
93	>	ON IND	133	5	PUSH BUTTON IDNITION SWILL POWER [Except for resident models with MrT]			
92	0	ACC RELAY CONT	134	GR	LOCK IND			
96	>	A/T SHIFT SELECTOR POWER SUPPLY	137	0	RECEIVER/SENSOR GND [Roadster models with M/T]			
97	-	S/L CONDITION 1	137	۵	RECEIVER/SENSOR GND [Except for roadster models with M/T]			
86	۵	S/L CONDITION 2	138	>	RECEIVER / SENSOR POWER SUPPLY			
66	ď	SHIFT P [With A/T]	139	٦	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM			
66	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]	140	9	SHIFT N/P [With A/T]			
66	œ	CLUTCH PEDAL POS SW [Roadster models with M/T]	140	5	P/N POSITION SW [With M/T]			
100	9	PASSENGER DOOR REQUEST SW [Roadster models with M/T]	141	>	SECURITY INDICATOR			
100	GR	PASSENGER DOOR REQUEST SW [Except for readster models with M/T]	142	0	COMBI SW OUTPUT 5			
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]	143	۵	COMBI SW OUTPUT 1			
101	>-	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]	144	9	COMBI SW OUTPUT 2			
102	0	BLOWER FAN MOTOR RELAY CONT	145	_	COMBI SW OUTPUT 3			
103	ΓG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	146	SB	COMBI SW OUTPUT 4			
102	胺	KYLS ENT RECEIVER (REAR) PWR SUPPLY	149	*	TIRE PRESSURE WARN CHECK SW			

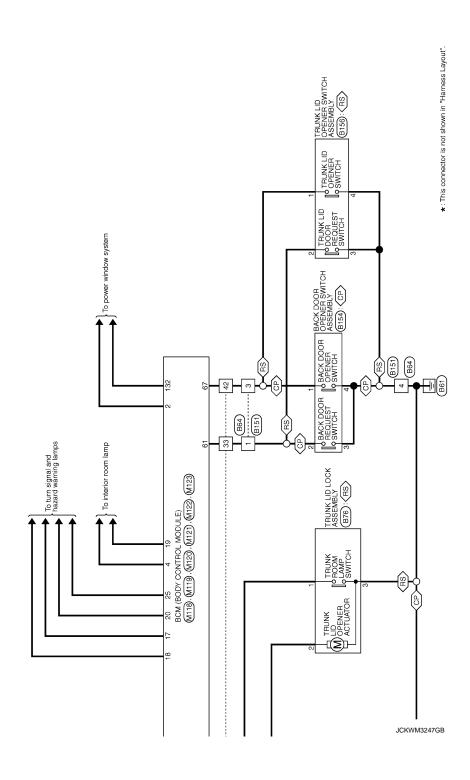
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[COUPE] < WIRING DIAGRAM >

	OUTSIDE KEY ANTENNA (REAR BUMPER)				J		J)			Signal Name [Specification]	1	-									4 5	10 11 12				Signal Name [Specification]	1	-	1	1	ı	1																						A B	
Occupation No.	e	Connector Type RK02FGY	· ·	× ×	₹		J		Color	No. of Wire Signal N		2 B			т	Connector Name WIRE TO WIRE	Connector Type NS12MW-CS		修	HS	1 2	6 7 8 9 10			L	of Wire	4 BR	5 R	4	10 LG	4	12 B																						C	
	DRIVER SIDE DOOR SWITCH					2]		Signal Name [Specification]	1				INSIDE KEY ANTENNA (TRUNK ROOM)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			<		(15))			Signal Name [Specification]	ı	1				OUTSIDE KEY ANTENNA LH	20	-		<		(2 1)				Signal Name [Specification]		1											E	
N separate	e e	Connector Type A03FW	E	v.			1			No. of Wire	2 GR		Ī	Т	Connector Name INSIDE	Connector Type BK02EGY		(F	si =			T			No. of Wire		2 SB				Connector Name OUTSII			修	S.H.						No of Wire	- LG	2 ^											G H	
	1 1	1	1 1	1	1		1	1 1	1 1	1	1	-	1	-	I	1	1	I	-	- [Coupe models]	- [Roadster models]	ı		1	1	- [Coupe models]	- [Roadster models]	- [Conpe models]	- [Roadster models]	Ī		- [Coupe models]	February Incompany	T																				J	
***	1 0	П	> as		63 BR		ά	d -	9/ 68 SHIFLD	Т	. 02	Н	72 P	+	+	>	╀	╀	H	Н	84 L	82 FG	+	8/ BK	╀	╀	94 G	Н	95 LG	7 96		M // 86		100 B)LI	K
SYSTEM	ш	6-TM4		100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	8	2		Signal Name [Specification]	1	- [Coupe models]	- [Roadster models]	1	1			-	-	_	1	1	1	1				-	1	1	1	- [Country models]	- Roadster models		-	1				- Indopose control	- [Coupe models]	Loganster models	-	1										L	
INTELLIGENT KEY SYSTEM	Connector Name WIRE TO WIRE	Connector Type TH80FW-CS16		σ.	20 20 20 20 20 20 20 20 20 20 20 20 20 2	3 (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	8		Terminal Color	of Wire			0	>	+	0	95	S S 6	H	12 W	13 BR	14 LG	+	+	21 6	╁	H	Н	+	+	+	32 B	. *	œ	Н	H	+	42 GR	Т	z 3	200	- W	47 V	П										N O	
⊢ [<u>, Ι</u> Ο	កោ	<u> </u>		3				٢	-	_			1				<u>1 </u>	1							<u> </u>	1					1	_						1	1	1				,	JCI	KWN	V132	480	ЭB				Р	

- 97 09	E TO WIRE	Н	64 B B 65 Y A B B B		Connector No. B147 Connector No. B147 Connector Name WIRE TO WIRE	Signal Name [Specification]	E	54 321				, 0	- 4 BR -	2 > 5 6 6	F	Н	- 12 B -		S2 Connector No. B148	WIRE TO WIRE Connector Name OUTSIDE KEY ANTENNA LH	NS16FW-CS Connector Type RK02MGY	€ Control of the con	_	57 30 50 50 54 53 52 51 66 65 64 63 62 61 60 59 58	<i>"</i>	T	Signal Name [Specification] No. of Wire Signal Name [Specification]	- 1 FG -	- 2 V -	1	1	
Connector No. B81	e e	Connector Type TH	曆	20 19 18 17 16	06 16 86 86 04	Terminal Color No. of Wire	П	6 B	> O	Н	15 SB	Н	_	25 V	32 E	Н	35 R		Connector No. B82	Connector Name WIF	Connector Type NS	Œ	αį	9999		⊢	No. of Wire	52 P	\dashv	_		56 B
Terminal Color	_	3 B	Connector No. 1876	П	Connector Type NS03FW-CS	H.S.	123		Terminal Golor	_	1 2	3 B –		Connector No. B77	Т		Connector Type M04FW-LC		H.S.	2			Terminal Color Signal Name [Specification]	П	2 B –							
INTELLIGENT KEY SYSTEM Connector No. 1863	ο .	Connector Type A03FW	€		<u> </u>	Terminal Color Signal Name [Specification] No. of Wire		┨	Connector No. B64	۰	Т	7	MATA	ES SE		₹ ▼)	Tarminal	of Wire Sign	1 P = [Coupe models]		3 GR -	-	Connector No. B66		Connector Type A03FW	E E	HS.			1	8

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< WIRING DIAGRAM > [COUPE]

	\prod				Ŧ						[40]	[noi				REAR)							-	looi														Д
	- [Roadster models] - [Coupe models] - [Roadster models]	- Coupe models	- [Roadster models]		PASSENGER SIDE DOOR SWITCH		K	1 1	2 0	ลา	Simal Nama [Spacification]	II Ivame Lopecincau	. .			REMOTE KEYLESS ENTRY RECEIVER (REAR)				lП	4		3	Signal Name [Specification]	SIGNAL OUTPUT	BATTERY												В
				B206		A03FW		<u>1 1</u>		<u>-1</u> 1					B207		JAB04FB			H.	7																(С
	97 Y 98 W 98 Y/B	99 G	Н	Connector No.	Connector Name	Connector Type	修	ė			Terminal Color	No. of Wi	3 B	1	Connector No.	Connector Name	Connector Type	4	V.					No. of Wire	- Z	Н												D
							[8]	8]						[8		[8]	[S]		S]											s								Е
	1 1 1	1 1	1 1	1 1	1 1	- [Coupe models	- [Roadster model	- [Roadster models]	1 1	1 1	1	1	- - [Coupe models]	- [Roadster models	- [Coupe models	- [Roadster models	- [Coupe models] - [Roadster models	- [Coupe models]	- [Koadster model	1	1 1	ı	1 1	1	1 1	ı	- [Coupe models] - [Roadster models	- [Coupe models	- [Roadster models]	- [Roadster model	- [Coupe models]	- [Coupe models						F
	ω ≥ >	0 _	- SB - d	L SHIELD	BR	SHIELD	a a	ا د ع	M W	GR	ے م	> ;	BG SB	0 >	> а	ag -	-	5 0	>	SB	5 a	. ≥ 0	SHIELD	0 8	품 >-	SHIELD	8 S	>	W SHIFT	ŋ	땅 <u>년</u>	P					(G
ŀ	30 41 41	42	51	Ш	П	56 8	57	28	29 60	61	63	64	99	99	68	89	69	02	08	18	83	84	98	П	88	П	92	93	93	П	95	97						Н
	1 1 1	,	B156	TRUNK LID OPENER SWITCH ASSEMBLY	RH04FB	[413121		Signal Name [Specification]	1	-	1 1		B201	WIRE TO WIRE	TH80FW-CS16-TM4		80 10 10 10 10 10 10 10 10 10 10 10 10 10			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Signal Name [Specification]	- [Coupe models] - [Roadster models]	- [Coupe models]	- [Roadster models] -	- [Coupe models]	- [Roadster models] -	1	1 1	1						l J
	2 W W	Н	Connector No.	Connector Name	Connector Type	B B				Terminal Color		2 -	& 4		Connector No.	Connector Name	Connector Type	4						No. of Wire	2 BR	Н	ъ 4 В О	7 R	> <u>-</u>	Н	= 8 8	Н					D	LK
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INTELLIGENT KEY SYSTEM	B149 OUTSIDE KEY ANTENNA RH		<	√ 1 ≥		: !	Signal Name [Specification]	1 1			RE			É	1 5)	34		Signal Name [Specification]	1	1	1 1			BACK DOOR OPENER SWITCH ASSEMBLY			[K	321)			Signal Name [Specification]					ı	VI
NT KE	B149 OUTSIDE KE	RK02MGY		۷	IJ					B151	WIRE TO WIRE	RS04MB			₩	IJ							B154	BACK DOOR C	RH04FB		L	Ť	₫									V
INTELLIGE	Connector No.	ector Type	·····································				No. of Wire	2 GR		т	Connector Name	Connector Type	呼	Ħ S.				Terminal Color		2 -	E 4		Connector No.	e e	Connector Type	1	O T				Terminal Color	No. of Wire					(Э
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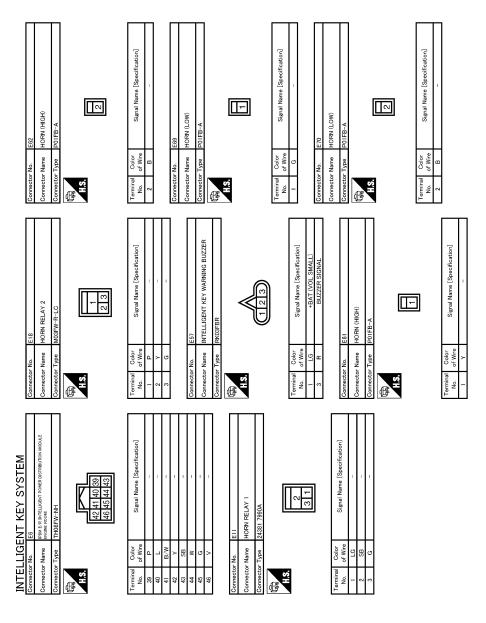
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14 I BOOK ODEN / OLOSE SWITCH (OLOSE)	- LG >	. g	19	Connector No. B304 Connector Name SOFT TOP CONTROL UNIT Connector Type NS12FW-GS	H.S. [48 49 [50 [51 [52]	41 42 43 44 45 46 47	Terminal Color Signal Name [Specification]							
Connector No D 202	e	Connector Type NS16MW-CS	H.S. 51 52 53 1 54 55 66 57 58 59 60 61 62 63 64 65 66	Terminal Color Signal Name [Specification] No. of Wire S. R. -	+++	59 DG 60 DG 61 R	++++	Connector No. 8303 Connector Name SOFT TOP CONTROL UNIT Connector Type TH40FB-NH	H.S. H.S. S.		. 0	1 BR SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH) 3 DG ROOF STRIKER SENSOR RH 4 M DOOF STRIKER SENSOR RH	WOd	8008
Connector No DOAD	e e	Connector Type M04FW-LC	H.S.	Terminal Color Signal Name Specification	Connector No. B301 Connector Name WIRE TO WIRE	$\neg \neg$	H.S. T. S. D. T. S. D. T. T. S. D. D. D. T. D. G. D.	Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 4 LG -	HHH	16 W – 17 DG – 24 V –	+	32 P = = = = = = = = = = = = = = = = = =	┨	
INTELLIGENT KEY SYSTEM	e	Connector Type RK02MGY	H.S.	Terminal Color Signal Name Specification	Connector No. B216 Connector Name PASSFNGFR SIDF DOOR SWITCH	П	HS,	Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 2	Connector No. 6222 Connector Name INSIDE KEY ANTERNA (LUGGAGE ROOM) Connector Type RRO2FGY	₹ SH)	Terminal Golor Signal Name [Specification]	ш

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[COUPE] < WIRING DIAGRAM >

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PASSENGER SIDE DOOR LOCK ASSEMBLY EOBFGY-RS	Signal Name [Specification] E5 TH2DFW-CS12-M4-IV TH2DFW-CS12-M4-IV TH2DFW-CS12-M4-IV Signal Name [Specification] Signal Name [Specification]	В
		С
Connector No. Connector Name Connector Type	Connector No. Connector No. Connector No. Connector No. Connector No. Connector Type Connector	D
0 0 0 0 0 0 0 0 0 0	ecification] system] th BOSE system] without BOSE system] models] ecification]	Е
No. D31	Signal Name [Specification] - [With BOSE system] - [Without BOSE system] - [Coupe models without BOSE system] - [Except for coupe models without BOSE system] - [Except for coupe models] - [Roadser models] - Roadser models] - Roadser models] - Roadser models] - Signal Name [Specification] Signal Name [Specification]	F
Connector No. D31 Connector Name WIRE Connector Type TH41 Connector Type [15] [15] [15] [15] [15] [15] [15] [15]		G
Connector No. Connector Nar Connector Typ	Terminal Color C	Н
D13 PRIVER SIDE DOOR REQUEST SWITCH RROZFL	Signal Name [Specification] DIS DRIVER SIDE DOOR LOCK ASSEMBLY E06FGY-RS Signal Name [Specification] - [Coupe models] - [Roadster models] - [l
DI3 DRIVER SIDE RROZFL		J
Connector No. Connector Name Connector Type	Terminal Color No. Connector No. Color Col	DLI
		L
INTELLIGENT KEY SYSTEM Connector Name DI Connector Name WIRE TO WIRE Connector Type TH40FW-CS15 Connector Type Connector Type TH40FW-CS15 Connector Type TH40FW-CS	Signal Name [Specification]	М
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[COUPE] < WIRING DIAGRAM >

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ප	Connector Name	lame WIRE TO WIRE	80	× 1	1	Connector Name FUSE BLOCK (J/B)	Connector Name WIRE TO WIRE	
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	+		90	5 A	- [Coupe models]	- X	4	
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	\dashv		Connector Type	- 1	NS06FW-M2	Connector Type NS12FW-CS	4	
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	_	BR - [Coupe models]	8				_	
	21	G - [Roadster models]			3A	5C4C 3C2C1C	- M 09	
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< WIRING DIAGRAM > [COUPE]

Connector No. M6	Connector No.	M6	29	7	-	21	9	-	18	W	-
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	οô		84	7	-	31	Μ	-	87	BR	1
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		10 10 10 10 10 10 10 10 10 10 10 10 10 1	87	>	- [Roadster models with M/T]	34	œ	1	94	SB	- [Coupe models]
			87	9	- [Except for roadster models with M/T]	32	В	1	94		- [Roadster models]
			88	Ь	-	40	٦	_	98	GR	- [Coupe models]
Terminal	⊢	3	16	≥	1	41	~	1	98	W	- [Roadster models]
No.	of Wire		92	Ь	-	45	GR	_	96	٦	-
1	>	1	93	۵	1	43	٣	- [Coupe models]	97	LG	[Coupe models]
3	٦		94	Υ	-	43	^	- [Roadster models]	6	¥	- [Roadster models]
4	٦	1	96	Д	-	44	œ		86	BG	[Coupe models]
7	В	1	97	GR	_	45	0		86	Y/B	- [Roadster models]
8	Ь		86	0	-	46	9	- [With A/T]	66	W	-
6	٦	- [Coupe models]	66	W	-	46	SB	- [With M/T]	100	В	
6	В	- [Roadster models]	100	æ		47	œ	- [With A/T]			
11	GR	1				47	>	- [With M/T]			
12	~	-				48	SHIELD	0	Connector No.	lo. M14	
13	٦	1	Connector No.	or No.	M7	51	>	_	Connector Name		TRINK I ID OBENER CANCEL SWITCH
14	\dashv	1	Connects	Connector Name	WIRE TO WIRE	52	۳	-		П	I CIP OI CHEN CANOCE CHILDIN
12	۵	1				57	SHIELD		Connector Type	ype S02FW	^
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E	7 6	- [Roadster models with M/T]				62	SHIELD		_		7
3	m :	- [Except for roadster models with M/T]			2 10 10 10 10 10 10 10 10 10 10 10 10 10	63	~	- [Coupe models]			
35	+	 Roadster models with M/T] 				63	ä	- [Roadster models]	L		
32	+	 Except for roadster models with M/T] 		L		64	g	- [Coupe models]	la l	Color	Signal Name [Specification]
83	<u>-</u>	-	Terminal		Signal Name [Specification]	64	>	- [Roadster models]	O.O.	or Wire	
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36	SB	1	2	0	1	99	۵	 [Roadster models] 	_		
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38	ΓC	_	4	0	_	67	_	- [Roadster models]			
38	SB	-	9	^	_	89	SHIELD				
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4	ย	П	8	SB	1	69	۳	- [Roadster models]			
45	~	П	6	S.	1	70	۵	- [Coupe models]			
43	5	ı	1	٨	1	70	9	- [Roadster models]			
44	9	- [With A/T]	12	>	1	7.1	>	-			
44	L	– [With M/T]	13	æ	1	72	۵	1			
45	0	ı	14	>	1	73	띪	1			
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89	SHIELD	- Q	20	SB	-	80	Υ	-	_		
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< WIRING DIAGRAM > [COUPE]

s with M/T] s] s] sill (FRON1) (FRON1) models with M/T] models with M/T]	Α
- [Except for roadster models with M/T] - [Coupe models] - [Roadster models with M/T] GND [Except for roadster models with M/T] SIGNAL OUTPUT [Roadster models with M/T] SIGNAL OUTPUT [Except for roadster models with M/T]	В
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TT NH NH Signal Name [Specification] TiRoadster models with M/T] Caudater models with M/T] Caudater models with M/T] Caudater models with M/T] LL BAT LL BAT LL BAT LL BAT AND AND REY SWITCH SIGNAL AR CONNECTOR AR CONNECTOR AR CONNECTOR AR CONNECTOR	M
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INTELLIGE Connector No. Connector No.	0
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< WIRING DIAGRAM > [COUPE]

INTELL]	INTELLIGENT KEY SYSTEM Donnector No. Mi17	99	O - [Coupe models]	models]	- A	BAT (F/L)	25 LG TURN SIGNAL LH (REAR)	
Connector Name	me WIRE TO WIRE	H]-	r models]	2 W	Н	Н	
Connector Type	Т	69	V - Coune models	models	3	POWER WINDOW POWER SUPPLY (IGN)		
q	1	Н		r models]			Connector No. M121	
唐	88 88	69	L Coupe models	models]	Connector No.	M119	Connector Name BCM (BODY CONTROL MODILLE)	
Š	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	+	P - [Roadster models	r models]	Connector Name	e BCM (BODY CONTROL MODULE)	┑	
	2 10 27 10 27 10 27 10 27 10 27 10	+		models]		-1	Connector Type TH40FGY-NH	
	8 5	+		r models]	Connector Type	e NSIBFW-CS		
		08 8	w = [Coupe models]	models	Œ			
		8 8	- inoquare	Telepholi	V =			
Terminal G	Color	H	- M			45 89	47 39 38 35 34	
_	of Wire	83	- B			13 14 15	00 04 01	
2 (GR – [Coupe models]	Н				21		
+		1	5				L	
3		†	SHIELD -		ŀ		la	
3		\dashv	ا ق		la	lor Signal Name [Specification]	of Wire	
4	W - [Coupe models]	88	1		No. of Wire	4	SB	
4	G - [Roadster models]	7	-		4 R	-	34 G LUGGAGE ROOM ANT- [Except for roadster models with M/T]	
7	LG — [Coupe models]	7	9		2	+	>	
7	Y - [Roadster models]	\dashv		models]	2	' SUPER LOCK OUTPUT [Roadster models]	R LUGGAGE ROOM	
+	LG -	+		r models]	+	┪	œ	
+	\	+	R - Coupe models	models	+	DRIVER DOOR,	8	
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+	0	+	<u> </u>	r models]	+	+	8	
+		+	LG - [Coupe models]	models]	+	7	V 1-KEY WARN BUZZER (ENG ROOM) [Roadster mc	
+	- 5	. 26	Y - [Roadster models	r models]	П В	T	G I-KEY W	
+	-	+		models]	A 61	/ ROOM LAMP TIMER CONTROL [Roadster models]	۳	
+	- SB	+	Y/B - [Roadster models,	r models]			œ	
+	2	+					g.	
┪	- 5	+	~	models]	Connector No.	M120	67 GR TRUNK LID OPENER SW [Roadster models]	
┪	D	100	Y - [Roadster models]	r models]	Connector Name	BCM (BODY CONTROL MODULE)		
+								
┥	BR - [Roadster models]				Connector Type	e NS12FW-CS		
22	V – [Coupe models]	Connector No.	M118		þ			
┪	Y - [Roadster models]	Connector Name	BCM (BODY CONTROL MODILLE)	MODILE	车			
┪	SHIELD -				S.H			
22	G - [Coupe models]	Connector Type	e M03FB-LC			20 23 24		
22	P - [Roadster models]	á				25 26		
58	R - [Coupe models]	唐				20 20 20		
28	L - [Roadster models]	H.S.						
\dashv			1		Ļ			
+			<u></u>		-Br	lor Signal Name [Specification]		
+	GR –		7		No. of Wire			
+					20 V	TURN SIGNAL RH (REAR)		
63		L			23 L	BACK DOOR OPEN OUTPUT [Coupe models]		
94	_	e	Color Signal Name [Specification]	Specification]	23 Y	TRUNK LID OPEN OUTPUT [Roadster models]		
\dashv	- 5	No. of	of Wire		24 0	7		

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[COUPE] < WIRING DIAGRAM >

4	JTELLI.	INTELLIGENT KEY SYSTEM											
රි ්	nnector No.	Т	106	≯ <u>c</u>	1	S/L UNIT POWER SUPPLY COMBI SW INPLIT 1	150	g G	DRIVER DOOR SW REAR WINDOW DEFOGGER REI AY CONT	Terminal No.	I Color of Wire	Signal Name [Specification]	
රී	Connector Name		108	Н		COMBI SW INPUT 4				-	W	-	
<u></u>	Connector Type	pe TH40FB-NH	109	+	+	COMBI SW INPUT 2				2	> .	I	_
4			2 5	5 0	HAZARD SW	HAZARD SW [Koadster models with M/1] AZARD SW [Except for roadster models with M/1]	Connect	Γ	M124	n 4	J 6	пп	_
• 1	ر ای		Ξ	H		S/L UNIT COMM	Connector Name		WIRE TO WIRE	. 2	ŋ	1	
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			Connec	Connector Name	П	BCM (BODY CONTROL MODULE)	H.S.	<u> </u>	14 14 15 15 15 15 15 15	6	. >-	1	П
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9	No. of W	of Wire Signal Name [Specification]	Connec	dki log	1		_	272829	27 28 29 30 31 32 33 34 35 41 58 48 50 51 52 53 54 55				
	t	R ROOM ANT 2- [Roadster models with M/T]	修	_						Connector No.	or No. M253	253	Г
Ш	72 L	L ROOM ANT 2- [Except for roadster models with M/T]	S H		Į					Connect	Γ,	MBE TO WIBE	_
	\dashv	ROO			201701	000 000 000 000	Terminal	Color	Signal Name [Specification]		Т		_
	+	P ROOM ANT 2+ [Except for roadster models with M/T]		151 150	151 150 149 146 146 144 146	143 142 141 140 159 138 137 138 133 132	Š.	of Wire		Connect	or Type Th	TH12FW-NH	٦
1	75	DASSENGED DOOR ANT					2 5	5 >	- [Douglast models]	1			
	+	_					2 =	>	- [Coupe models]	E			
	╀	LG DRIVER DOOR ANT+	Terminal	lal Color	L	3	=	. ₅	- [Roadster models]	2	_	J	
<u> </u>	H		No.	_		Signal Name [Specification]	12	ΓG				6 5 4 3 2 1	
Ш	78 Y	Y ROOM ANT 1- [With M/T]	113	0		OPTICAL SENSOR	13	^	1			12 11 10 9 8 7	
	\dashv		114	4		CLUTCH INTERLOCK SW	41	В	1				
	79 BF	ROC	115	0		SHOCK SENSOR	15	Μ	1		Į.		Г
	+	GR NATS ANT AMP.	116	+		STOP LAMP SW 1	61	> 5	-	Terminal	Color	Signal Name [Specification]	
1	+	Š	2 5	+	+	STOP LAMP SW 2	23	9/2	- Come models	Ö -	OI MILE	1	_
		KYLS ENT RECEIVER (FRONT) COMM		3 2	<u> </u>	KFY SLOT SW	44	: 0	- Roadster models	. ~	8	1	_
	╁	GR KYLS ENT RECEIVER (FRONT) COMM (Except for readster models with M/T)	123	╀	<u> </u>	IGN F/B	: 03	> >	feronau incompani	1 (2)	a ac	1	Т
1	87 BF	COMBI SW INPUT 5	124	H	L	PASSENGER DOOR SW	51	>	1	4	Μ	1	Г
Ш	Н	CON	129	0	П	TRUNK LID OPENER CANCEL SW	52	5	adster models w	9	Ь	- [Coupe models]	
	89 BF		130	-		REAR DEFOGGER SW	52	GR	- [Except for roadster models with M/T]	2	9	- [Roadster models]	
	+	P CAN-L	132	<u>≻ </u> ;	POWER WII	NDOW SW COMM [Coupe models]	53	Α (9 0	_ (- [Coupe models]	_
	+	CAN-H	132	> 0	T	P/W SW & SOF IOP C/U COMM [Roadster models]	94	5 0		1 ه	¥ 1	- [Koadster models]	T
	26	V ON IND	2 2	+	T	POSH BUTTON ICHAIN OW ILL POWER [Incodesce modes with MOT] PUSH BUTTON ICHAIN OW ILL POWER [Except for resident modes with MOT]	S	_		۵	SHIFLD	1 1	
	╀	ACC	134	ľ	T	L OCK IND				6	9	1	Т
<u> </u>	╀	A/T	137	°	RECEIVER/	SENSOR GND [Roadster models with M/T]	Connector No.		M137	01	~	1	Т
L	97 L	L S/L CONDITION 1	137	۵	RECEIVER/	SENSOR GND [Except for roadster models with M/T]	N	Г	dotton no tive				1
Ш	Н	P S/L CONDITION 2	138	>	RECEIVE	NSOR POWER	Connect		A/ I Shirl SELECTOR				
	\dashv	Ħ	139	\dashv	П	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM	Connecto	ector Type	TK10FW				
	+		140	4		SHIFT N/P [With A/T]	4						
	+	R CLUTCH PEDAL POS SW [Roadster models with M/T]	- 140	<u>د</u>	4	P/N POSITION SW [With M/T]	李						
	00 9	PASSENGER	4 5	<u>`</u> '		SECURITY INDICATOR	H.S.						
1	+	VASSENUER DOOR FEQUES 1 SW [Except for roadster models with M/1]	142			COMBI SW CUIPUL 3							
L	+	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]	3 4	╀		COMBI SW OUTPUT 2			5 6 7 8 9 10				
L	102	O BLOWER FAN MOTOR RELAY CONT	145	╀		COMBI SW OUTPUT 3							
	┞	LG KYLS ENT RECEIVER (FRONT) PWR SUPPLY	146	SB		COMBI SW OUTPUT 4							
<u></u>	H	r	149	┝	TIRE	PRESSURE WARN CHECK SW							
]	$\left\{ \right.$						_						
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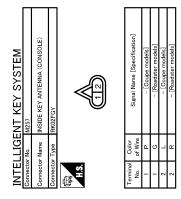
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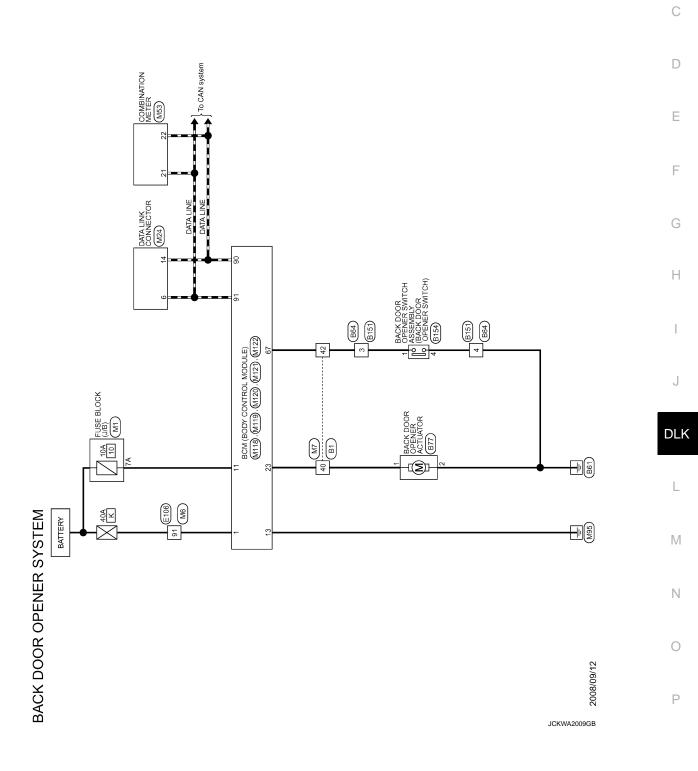
JCKWM3259GB

BACK DOOR OPENER SYSTEM

Wiring Diagram

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BACK DOOR OPENER SYSTEM

< WIRING DIAGRAM > [COUPE]

BAC		BACK DOOR OPENER SYSTEM						
Connector No.		Bí	51	≯	i	Connector No. B64		lal
Connector Name		WIRE TO WIRE	52	S E		Connector Name WIRE TO WIRE		No. of Wire
Connector Type	Т	TH80FW-CS16-TM4	28	8	1	Connector Type RS04FB-PR		2
þ			09	>	-	q		3 -
李			19	S S		AyAn		
Ż		0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	83 65	88				
			99	>	1			Connector No. B154
			92	SHIELD				Connector Name BACK DOOR OPENER SWITCH ASSEMBLY
			99	٠.				H.
	L		67	<u>ا</u>		-		Connector Type RH04FB
l erminal	Color	Signal Name [Specification]	20 20			Signal Name [Specification]	secification]	
NO.	e Mile		69 C	¥ (11 1	†	- labora	
٠,	, E	- [Coune models]	2 12	, >		<u> </u>	models	K
,	3	- [5	١			Felana	
3 6	>		73	- 6		i de		4 3 2 1 1
4	Α	1	74	8	1	j a		
9	>	-	75	0	1	$\left\{ \right.$		
_	2	1	8	>	1			
æ	GR	1	81	۳	1	Connector No. B77		No. of Wire Signal Name [Specification]
6	SB	ı	82	В	1	CONTRACTOR	GOTALITO	- GR
11	٨	1	83	GR	1		DIMIN	2 W –
12	W	-	84	ŋ	- [Coupe models]	Connector Type M04FW-LC		3 B
13	BR	-	84	٦	- [Roadster models]	á		4 B -
14	LG	1	82	P	1	MAT		
15	В	1	98	>	1			
91	>	1	87	æ	Ī	0		
50	SB	1	88	g	1	<u>F</u>		
21	ڻ ا		93	≻ .]		
3	¥5 ;	1	g :	1	- [Coupe models]			
3	> (1	\$ P	9 8		L		
24	٥.		C I	5		Signal Name [Specification]	secification]	
0.7			0.00	2 -	Loadster models]	t		
3 5	. ×		26	· >		- 88		
32	B	1	86	≥	- [Coupe models]	ł		
33	۵	- [Coupe models]	86	Y/B				
33	М	- [Roadster models]	66	٦٦		Connector No. B151		
34	œ	-	001	В	-	Connector Name WIRF TO WIRE		
35	В	1				П		
40	>	1				Connector Type RS04MB		
41	_	-				4		
42	gR	-				MATO		
43	æ	-				HS.		
44	œ	1				1 2		
45	BB	- [Conbe models]						
45	0 8	- [Roadster models]						
9	3							
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\$	SHELD							

JCKWM3260GB

BACK DOOR OPENER SYSTEM

< WIRING DIAGRAM > [COUPE]

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NIRE TO WIRE THEOMW-CS16-TM4 The	F
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Commett Commett Commett Commett No. 13 1 14 1 14 1 14 1 14 1 14 1 14 1 14 1	Н
Coupe models	J
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COR OPENEE Files	N
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	> <	19 G A/C AUTO AMP. CONNECTION PECOGNITION SIGNAL 20 GR AMBIENT SENSOR GROUND	7	Д	а:	24 Y FUEL LEVEL SENSOR GROUND		Connector No. M118	Т	Connector Name BCM (BODY CONTROL MODULE)	Connector Type M03FB-LC		街	HS.	1 3		7		Ŀ	Ja.	e.	+	*	3 Y POWER WINDOW POWER SUPPLY (IGN)																								
	Connector No. M24	Connector Name DATA LINK CONNECTOR	Connector Type BD16FW	4	CANA	ľ		3 4 5 6 7 8			Terminal Color	ŭ	3 Y –	4 B -	5 B -	9		7 V - [Roadster models]	9	LG	۵				Connector No. M53	Connector Name COMBINATION METER	Coppector Type TH94FW-NH	add i she	6	<u> </u>		3 4 3 0 0 0 0 10	15 16 17 18 19 20 21 23 24		Ŀ	Signal Name [Specification]	t	2 O IGNITION POWER SUPPLY	VEHI	>	5 B ILLUMINATION CONTROL SIGNAL		9 BR COMMUNICATION SIGNAL (METER->TRIPLE METER)	10 L COMMUNICATION SIGNAL (TRIPLE METER->METER)	Ġ g	۲	16 R AIR BAG SIGNAL	
	1		_	- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Koadster models]	- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Roadster models]		- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Roadster models]		- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Roadster models]	1	1	1	1	1 1			1	1	-	-	1	-	1 3	- [Coupe models]	- [Course models]	- [Roadster models]	Forman in a common of	- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Roadster models]	1	1			
ŀ	+	52 R 57 SHIELD	Ħ	4	+	+	62 SHELD	T	F	H	┝	65 SHIELD	99 FC	99	۸ / 29	9 P	68 SHIELD	+	+	+	+	+	+	+	+	75 0	Ŧ	Ŧ	+	╁	85 LG	Н	\dashv	88 SB	+	94 SB	94 05	+	╀	97 LG	┝	98 BG	98 Y/B	Н	100 B			
BACK DOOR OPENER SYSTEM	M7	WIRE TO WIRE	TH80MW-CS16-TM4				2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1			Signal Name [Specification]	-	1	-	1		1		1	1	<u> </u>				1 1				1	1	-	1	-						- [Coupe models]	- [Roadster models]	-	-			– [With A/T]	– [With M/T]	- Q
BACK DC	Connector No.	Connector Name	Connector Type	4	1	Š					la la	_	1 BR	2 0	7	4 0	9	7 LG	8 SB	+	+	12 V	┨	+	+	9 0	+	Ŧ	+	╀	25 L	Н	\dashv	+	+	+	99 0	41	ŀ	43 R	┞	44 R	45 0	Н	Н	47 R	47 V	48 SHIELD

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BACI	A DO	BACK DOOR OPENER SYSTEM						
Connector No.	or No.	M119	Connector No.	r No.	MI21	75	BR:	PASSENGER DOOR ANT+
Connector Name	or Name	BCM (BODY CONTROL MODULE)	Connector Name	r Name	BCM (BODY CONTROL MODULE)	76	> 2	DRIVER DOOR ANT-
Connector Type	yr Tyme	NS16EM-00	Connector Type	Tyne	TH40ECX-NH	, K	2 -	POOM ANT 1= fwith A/T]
		200 :: 55.00:	[5	2 82	-	ROOM ANT 1- [With M/T]
修			修			79	۳	ROOM ANT 1+ [With A/T]
<u>S</u>	<u> </u>		S			79	BR	ROOM ANT 1+ [With M/T]
	7	4 5 8 9		E	00 00	80	US.	NATS ANT AMP.
	_	1 13 14 15 17 18 19			67 66 65 64 61 52	-8	Μ	NATS ANT AMP.
	1	1				82	œ	IGN RELAY (F/B) CONT
						83	> 5	KYLS ENT RECEIVER (FRONT) COMM [Roadster models w
F	3		F	-		20 20	¥ 6	KYLS BNT RECEIVER (FRONT) COMM [Except for roadster models
No.		Signal Name [Specification]	No.	of Wire	Signal Name [Specification]	88	<u>خ</u>	COMBI SW INPUT 3
4	œ	INTERIOR ROOM LAMP POWER SUPPLY	34	SB	LUGGAGE ROOM ANT- [Roadster models with M/T]	88	BR	PUSH SW
2	g	SUPER LOCK OUTPUT [Coupe models]	34	5	LUGGAGE ROOM ANT- [Except for roadster models with M/T]	06	۵	CAN-L
2	>	SUPER LOCK OUTPUT [Roadster models]	35	۸	LUGGAGE ROOM ANT+ [Roadster models with M/T]	91	٦	CAN-H
8	>	ALL DOOR, FUEL LID LOCK OUTPUT	35	œ	LUGGAGE ROOM ANT+ [Except for roadster models with M/T]	95	ΓC	KEY SLOT ILL
6	ت ا	DRIVER DOOR, FUEL LID UNLOCK OUTPUT	38	B :	BACK DOOR ANT-	93	>	QNI NO
= !	¥,	BAT (FUSE)	6g	× :	BACK DOOK ANT+	95	0	ACC RELAY CONT
2 ;	a (GND	47	> 2	IGN RELAY (IPDM E/R) CONT [Roadster models with M/T]	96	≻ .	A/T SHIFT SELECTOR POWER SUP
4 4	Υ;	PUSH-BUTTON IGNITION SWILL POWER	4 2	> 8	IGN RELAY (IPDM E/R) CONT [Except for roadster models with M/T]	6	، ا	S/L CONDITION 1
5	- 3	TIDM SIGNAL DIJ (EDONIT SIDE)	52	SE W	BACK BOOD BEONIEST SW [Commendate]	88	1 0	S/L CONDITION 2
18	≥ C	TURN SIGNAL RH (FRONT, SIDE)	9	M M	TRUNK LID REQUEST SW [Coupe models]	66	r 88	SHIFT P [With A/ 1]
16	۵	ROOM LAMP TIMER CONTROL [Coupe models]	64	>	I-KEY WARN BUZZER (ENG ROOM) [Roadster models with M/T]	66	œ	CLUTCH PEDAL POS SW [Roadster models wi
19	>	ROOM LAMP TIMER CONTROL [Roadster models]	64	9	1-KEY WARN BUZZER (ENG ROOM) [Except for roadster models with M/T]	100	5	PASSENGER DOOR REQUEST SW [Roadster models v
			99	۳	BACK DOOR SW [Coupe models]	100	GR	PASSENGER DOOR REQUEST SW [Except for roadster models
			99	Я	TRUNK ROOM LAMP SW [Roadster models]	101	SB	DRIVER DOOR REQUEST SW [Readster models w
Connector No.	or No.	M120	67	GR	BACK DOOR OPENER SW [Coupe models]	101	>	DRIVER DOOR REQUEST SW [Except for roadster models v
Connector Name	or Name	BCM (BODY CONTROL MODULE)	67	GR	TRUNK LID OPENER SW [Roadster models]	102	0 9	BLOWER FAN MOTOR RELAY COI
ļ	,					103	S E	KYLS ENT RECEIVER (FRONT) PWR SL
Connector Type	or Type	NS12FW-CS				105	GR	KYLS ENT RECEIVER (REAR) PWR SU
€			Connector No.	r No.	M122	90 5	× .	S/L UNIT POWER SUPPLY
E			Connector Name	r Name	BCM (BODY CONTROL MODULE)	9 5	2 0	COMBI SW INPUT 1
2	_	23 24	Connector Type	r Type	TH40FB-NH	109	>	COMBI SW INPUT 2
		30 30	(110	g	HAZARD SW [Roadster models with I
			F			110	۵	HAZARD SW [Except for roadster models with
			H.S.			111	٨	S/L UNIT COMM
	L			91 90 R9 R	8 87 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Terminal	Color of Wire	Signal Name [Specification]		111 110 109 10	8 107 105 105 105 110 110 100 99 98 97 96 95 92			
2	>	THRN SIGNAL RH (REAR)						
23	. -	BACK DOOR OPEN OUTPUT [Coupe models]						
23	>	TRUNK LID OPEN OUTPUT [Roadster models]	Terminal	Color	Signal Name (Secondina)			
24	0	REAR FOG OUTPUT	No.	of Wire	olgilar ivalile Lopeciiloadorij			
22	_D	TURN SIGNAL LH (REAR)	72	œ	ROOM ANT 2- [Roadster models with M/T]			
30	œ	LUGGAGE ROOM LAMP OUTPUT	72	_	ROOM ANT 2- [Except for roadster models with M/T]			
			73	<i>5</i>	ROOM ANT 2+ [Roadster models with M/T]			
			7.4	٦ g	ROOM ANT 2+ [Except for roadster models with M/T]			
			4	n N	PASSENGER DOOR ANI-			

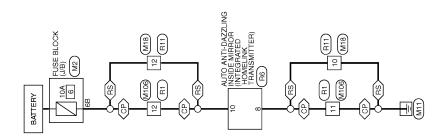
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[COUPE]

INTEGRATED HOMELINK TRANSMITTER SYSTEM

Wiring Diagram





INTEGRATED HOMELINK TRANSMITTER

JCKWM3270GB

MIRROR	Pecification]	ecification]
R6 THI OFB-NH THI OFB-NH	Signal Name [Specification]	Signal Name (Specification)
Connector No. Connector Name Connector Type	Terminal Color of Wire of Wire of Color	Color Color
Oon Oon	La L	
MIDG WIRE TO WIRE THIGMW-NH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Signal Name [Specification]	THI 6FW-NH
	_ p	Type of Wire N W N N N N N N N N N N N N N N N N N
Connector Nar Connector Type	Terminal Co No. of V No.	Terminal No. No. 7 7 7 7 8 8 8 8 8 11 11 11 12 12 11 11 11 11 11 11 11 11
INTEGRATED HOMELINK TRANSMIT Connector Name FUSE BLOCK (J./B) Connector Name RIGHW-CS Connector Type NSTOFW-CS ALS (18)9988786858	Signal Name (Specification)	Signal Name [Specification]
INTEGRA-Connector No. Connector Name Connector Type H.S.	Terminal Color of Wire of Wire of Wire of Wire of Wire of Wire of State of	Color Colo
INTEGR Connector No. Connector Nat Connector Typ	Commercial Com	Terminal No. 1 1 2 2 2 3 3 3 4 4 4 4 4 4 4 4 9 9 9 10 10 11 11 12

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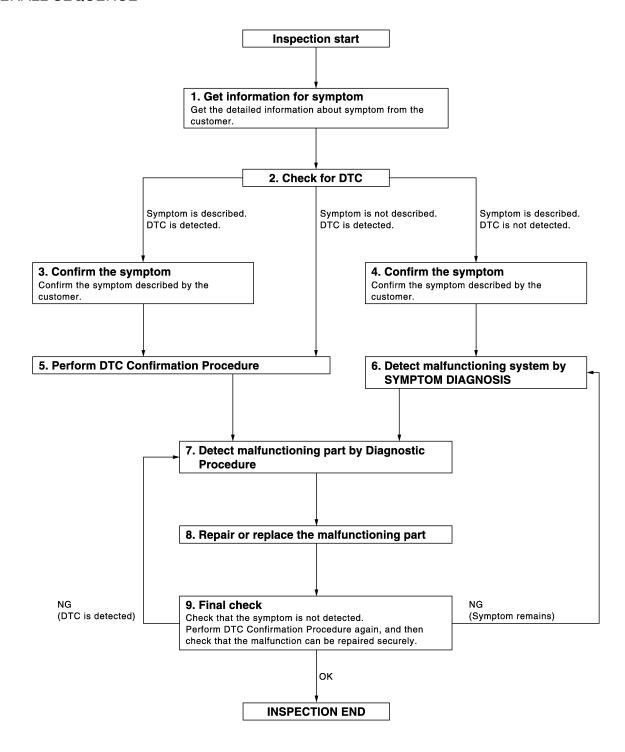
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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [COUPE]

1.GET INFORMATION FOR SYMPTOM

- 1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).
- 2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2. CHECK FOR DTC

- 1. Check DTC for BCM.
- 2. Perform the following procedure if DTC is displayed.
- Record DTC and freeze frame data (print them out with CONSULT-III).
- Erase DTC
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- Check related service bulletins for information.

Are any symptoms described or any DTC detected?

Symptom is described, DTC is displayed>>GO TO 3.

Symptom is described, DTC is not displayed>>GO TO 4.

Symptom is not described, DTC is displayed>>GO TO 5.

${f 3.}$ CONFIRM THE SYMPTOM

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in the "DATA MONITOR" mode and check real time diagnosis results. Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in the "DATA MONITOR" mode and check real time diagnosis results. Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC Confirmation Procedure for the displayed DTC, and then check that DTC is detected again. At this time, always connect CONSULT-III to the vehicle, and check diagnostic results in real time. If two or more DTCs are detected, refer to BCS-85, "DTC Inspection Priority Chart" (BCM) determine trouble diagnosis order.

NOTE:

Perform Component Function Check if DTC Confirmation Procedure is not included in Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check. If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC Confirmation Procedure.

Is DTC detected?

YES >> GO TO 7.

NO >> Refer to GI-39, "Intermittent Incident".

6. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptoms.

>> GO TO 7.

7. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [COUPE]

The Diagnostic Procedure described based on open circuit inspection. A short circuit inspection is also required for the circuit check in the Diagnostic Procedure.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check voltage of related BCM terminals using CONSULT-III.

8.repair or replace the malfunctioning part

- Repair or replace the malfunctioning part.
- Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement.
- 3. Check for DTC. If DTC is displayed, erase it.

>> GO TO 9.

9. FINAL CHECK

When DTC was detected in step 2, perform DTC Confirmation Procedure or Component Function Check again, and then check that the malfunction has been repaired securely.

When symptom was described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Does the symptom reappear?

YES (DTC is detected)>>GO TO 7.

YES (Symptom remains)>>GO TO 6.

NO >> INSPECTION END

INSPECTION AND ADJUSTMENT [COUPE] < BASIC INSPECTION > INSPECTION AND ADJUSTMENT Α ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Description В INFOID:0000000005240039 Perform the system initialization when replacing BCM, replacing Intelligent Key or registering an additional Intelligent Key. C ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Special Repair Requirement INFOID:0000000005240040 D Refer to CONSULT-III operation manual for the NATS-IVIS/NVIS. Е F Н

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DTC/CIRCUIT DIAGNOSIS

B2622 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT-III display description	DTC detecting condition	Possible cause
B2622	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (console) is sent to BCM	Inside key antenna (console) Between BCM ~ Inside key antenna (console)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- 3. Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "Work Support" of "INTELLIGENT KEY".
- 4. Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-84, "Diagnosis Procedure"</u>.

NO >> Inside key antenna (console) is OK.

Diagnosis Procedure

INFOID:0000000005240083

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch OFF.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(–)	Condition	Signal (Reference value)
Con	nector	Terminal			,
Console	M122	72, 73	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
Collegia	22	12,10	Siduria	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and inside key antenna (console) connector.
- 2. Check continuity between BCM harness connector and inside key antenna (console) harness connector.

B2622 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Е	BCM	Inside key ant	enna (console)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M122	72	M257	2	Existed
IVI I Z Z	73	IVIZ37	1	LXISIEU

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M122	72	Ground	Not existed
IVITZZ	73		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK INSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace inside key antenna (console). (New antenna or other antenna).
- 2. Connect BCM connector and inside key antenna (console) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM	T	(-)	Condition	Signal (Reference value)
Con	nector	Terminal		When Intelligent Key is in the pas-	(V) 15 10 5
Console	M122	72, 73	Ground	senger compartment	0
				When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

Is the inspection result normal?

YES >> Replace inside key antenna (console).

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

4. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

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B2623 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT-III display description	DTC detecting condition	Possible cause
B2623	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (luggage room) is sent to BCM	Inside key antenna (luggage room) Between BCM – Inside key antenna (luggage room)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "Work Support" of "INTELLIGENT KEY".
- 4. Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-86. "Diagnosis Procedure"</u>.

NO >> Inside key antenna (luggage room) is OK.

Diagnosis Procedure

INFOID:0000000005240086

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

- Turn ignition switch OFF.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM Connector Terminal		(-)	Condition	Signal (Reference value)	
Luggage	M121	34, 35	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
room		5., 55		When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> GO TO 4. NO >> GO TO 2.

2.CHECK INSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and inside key antenna (luggage room) connector.
- Check continuity between BCM harness connector and inside key antenna (luggage room) harness connector.

B2623 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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E	BCM	Inside key anteni	Continuity	
Connector	Terminal	Connector	Terminal	Continuity
M121	34	B222	2	Existed
IVIIZI	35	DZZZ	1	LAISteu

Check continuity between BCM harness connector and ground.

В	CM		
Connector	Terminal	Ground	Continuity
M121	34	Ground	Not existed
IVITZT	35		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK INSIDE KEY ANTENNA INPUT SIGNAL 2

- Replace inside key antenna (luggage room). (New antenna or other antenna).
- 2. Connect BCM and inside key antenna (luggage room) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

Conr	(+) BCM	Terminal	(-)	Condition	Signal (Reference value)
Luggage	M121	34, 35	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
room				When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

Is the inspection result normal?

YES

>> Replace inside key antenna (luggage room).
>> Replace BCM. Refer to BCS-92, "Removal and Installation". NO

4. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

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[COUPE]

DOOR SWITCH

Component Function Check

INFOID:0000000005240089

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "DOOR SW-DR", "DOOR SW-AS", "DOOR SW-BK" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOOR SW-DR	Driver side door	Open	On
DOOR SW-DR		Closed	Off
DOOR SW-AS	Passenger side door	Open	On
		Closed	Off
DOOR SW-BK	Dook door	Open	On
DOOK SW-DK	Back door	Closed	Off

Is the inspection result normal?

YES >> Door switch is OK.

NO >> Refer to <u>DLK-88. "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000005240090

1. CHECK DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door switch connector.
- 3. Check signal between malfunctioning door switch harness connector and ground using oscilloscope.

	(+)			Signal	
	Door switch		(–)	(Reference value)	
Connector Terminal					
Driver side	B16	2		(V) 15 10 5 0 JPMIA0011GB	
Passenger side	B216	2	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB	
Back door	B66	1		(V) 15 10 5 0 10 ms JPMIA0011GB	

Is the inspection result normal?

DOOR SWITCH [COUPE] < DTC/CIRCUIT DIAGNOSIS > YES-1 >> Back door: GO TO 3. YES-2 >> Other doors: GO TO 4. Α NO >> GO TO 2. 2.CHECK DOOR SWITCH CIRCUIT В Disconnect BCM connector. Check continuity between door switch harness connector and BCM harness connector. Door switch всм Continuity Connector **Terminal** Connector Terminal Driver side **B16** 150 2 M123 D Passenger side B216 124 Existed B66 M121 Back door 66

Check continuity between door switch harness connector and ground.

	Door switch		Continuity	
Coni	nector		Continuity	
Driver side	B16	2	Ground	
Passenger side	B216	2		Not existed
Back door	B66	1		

Is the inspection result normal?

>> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ check back door switch ground circuit

Check continuity between back door switch harness connector and ground.

Back d	oor switch		Continuity	
Connector Terminal		Ground	Continuity	
B66	3		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR SWITCH

Refer to DLK-89, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace malfunctioning door switch.

${f 5.}$ CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection 1. CHECK DOOR SWITCH

- Turn ignition switch OFF.
- Disconnect malfunctioning door switch connector.
- Check continuity between door switch terminals.

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INFOID:0000000005240091

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DOOR SWITCH

[COUPE]

Door switch Terminal			Condition		Continuity
Each door 2	2	Ground part of door switch		Released	Existed
Pook door	4	2	Door switch	Pressed	Not existed
Back door	1 3			Released	Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunction door switch.

DOOR LOCK AND UNLOCK SWITCH

[COUPE] < DTC/CIRCUIT DIAGNOSIS >

DOOR LOCK AND UNLOCK SWITCH

DRIVER SIDE

DRIVER SIDE: Component Function Check

INFOID:0000000005240093

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1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW		Lock	On
CDL LOCK SW	- Door lock and unlock switch	Unlock	Off
CDL UNLOCK SW		Lock	Off
CDL UNLOCK SW		Unlock	On

Is the inspection result normal?

>> Door lock and unlock switch is OK.

>> Refer to DLK-91, "DRIVER SIDE: Diagnosis Procedure". NO

DRIVER SIDE: Diagnosis Procedure

1. CHECK POWER WINDOW SWITCH

Turn ignition switch ON.

Check power window operation.

Does power window operate?

YES >> Replace power window main switch. Refer to PWC-107, "Removal and Installation".

NO >> Refer to PWC-93, "Diagnosis Procedure".

PASSENGER SIDE

PASSENGER SIDE: Component Function Check

INFOID:0000000005240096

INFOID:0000000005240094

1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode. 2.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW		Lock	On
CDL LOCK SW	Door lock and unlock switch	Unlock	Off
CDL UNLOCK SW		Lock	Off
CDL UNLOCK SW		Unlock	On

Is the inspection result normal?

YES >> Door lock and unlock switch is OK.

NO >> Refer to PWC-94, "WHEN POWER WINDOW SUB-SWITCH IS OPERATED: Diagnosis Procedure".

PASSENGER SIDE: Diagnosis Procedure

1. CHECK POWER WINDOW SWITCH

- Turn ignition switch ON.
- Check passenger side power window operation.

Does power window operate?

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YES >> Replace power window sub-switch. Refer to PWC-107, "Removal and Installation".

DLK-91

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INFOID:0000000005240097

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Refer to <u>PWC-94</u>, "<u>WHEN POWER WINDOW SUB-SWITCH IS OPERATED</u>: <u>Diagnosis Procedure</u>".

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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DOOR LOCK ACTUATOR

DRIVER SIDE

DRIVER SIDE: Component Function Check

INFOID:0000000005240099

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-93</u>, "<u>DRIVER SIDE</u>: <u>Diagnosis Procedure</u>".

DRIVER SIDE: Diagnosis Procedure

INFOID:0000000005240100

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect driver side door lock assembly connector.
- 3. Check voltage between driver side door lock assembly harness connector and ground.

(+) Driver side door lock assembly		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(лергох.)
D15	1	Ground	Ground Door lock and unlock switch	Lock	$0 \rightarrow 12 \rightarrow 0$
<i>D</i> 15	2	Giodila	DOOL LOCK AND UNIOCK SWITCH	Unlock	$0 \rightarrow 12 \rightarrow 0$

Is the inspection result normal?

YES >> Replace driver side door lock assembly.

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT

Disconnect BCM connector, passenger side door lock assembly connector and fuel lid lock actuator connector.

Check continuity between BCM harness connector and driver side door lock assembly harness connector.

В	CM	Driver side door lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M119	8	D15	1	Existed
WHY	9	013	2	LAISIEU

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M119	8	Giouna	Not existed
	9		NOT EXISTED

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- Connect BCM connector.
- Check voltage between BCM harness connector and ground.

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(+)			Condition		Voltage (Approx.)
BCM		(–)			
Connector	Terminal				,
M119	8	Ground	Door lock and unlock switch	Lock	12 V
WITTE	9	Giodila	Door lock and unlock switch	Unlock	

Is the inspection result normal?

YES >> Check for internal short of each door lock actuator and fuel lid lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

PASSENGER SIDE

PASSENGER SIDE: Component Function Check

INFOID:0000000005240102

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-94, "PASSENGER SIDE : Diagnosis Procedure"</u>.

PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000005240103

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect passenger side door lock assembly connector.
- 3. Check voltage between passenger side door lock assembly harness connector and ground.

(+)					V 16 00	
Passenger side door lock assembly		(–)) Condition		Voltage (V) (Approx.)	
Connector	Terminal	•			(11 -)	
	1	Ground Door lock and unlock switch	Unlock	$0 \rightarrow 12 \rightarrow 0$		
D45	2	Giodila	Door lock and unlock Switch	Lock	$0 \rightarrow 12 \rightarrow 0$	

Is the inspection result normal?

YES >> Replace passenger side door lock assembly.

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT

- Disconnect BCM connector, driver side door lock assembly connector and fuel lid lock actuator connector.
- Check continuity between BCM harness connector and passenger side door lock assembly harness connector.

ВСМ		Passenger side door lock assembly		Continuity
Connector	Terminal	Connector Terminal		Continuity
M119	5	D45	1	Existed
IVITIO	8	D43	2	LAISIGU

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M119	5	Giodila	Not existed
	8		Not existed

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(+) BCM		(–)	Condition		Voltage (Approx.)	
Connector	Terminal				(11 - 7	
M119	5	Ground	Ground Door lock and unlock switch	Unlock	12 V	
WITTS	8	Giodila		Lock	12 V	

Is the inspection result normal?

YES >> Check for internal short of each door lock actuator and fuel lid lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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FUEL LID LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000005240105

FUEL LID LOCK ACTUATOR

Component Function Check

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Fuel lid lock actuator is OK.

NO >> Refer to <u>DLK-96</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240106

1. CHECK FUEL LID LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect fuel lid lock actuator connector.
- 3. Check voltage between fuel lid lock actuator harness connector and ground.

(+)			Condition		
Fuel lid lock actuator		(–)			Voltage (V) (Approx.)
Connector	Terminal				(11 - 7
B242	42 Ground Door lock and	Door lock and unlock switch	Unlock	$0 \rightarrow 12 \rightarrow 0$	
5242	2	Sibulia	Door lock and unlock Switch	Lock	$0 \rightarrow 12 \rightarrow 0$

Is the inspection result normal?

YES >> Replace fuel lid lock actuator.

NO >> GO TO 2.

2. CHECK FUEL LID LOCK ACTUATOR CIRCUIT

- 1. Disconnect BCM connector and all door lock assembly connector.
- 2. Check continuity between BCM harness connector and fuel lid lock actuator harness connector.

В	CM	Fuel lid lock actuator		Continuity
Connector	Terminal	Connector Terminal		Continuity
M110	8	B242	2	Existed
M119	9	D242	1	Existed

3. Check continuity between BCM harness connector and ground.

	BCM		Continuity	
Connector	Terminal	Ground	Continuity	
M119	8	Ground	Not existed	
WITTS	9		Not existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

FUEL LID LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

(+) BCM		(–)	Condition		Voltage (Approx.)
Connector	Terminal				(11 - 7
M119	8	Ground	Door lock and unlock switch	Lock	12 V
WITTS	9	Ground	Door lock and unlock switch	Unlock	12 V

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Is the inspection result normal?

YES >> Check for internal short of each door lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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INFOID:0000000005240108

BACK DOOR OPENER ACTUATOR

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "TRUNK/BACK DOOR" in "ACTIVE TEST" mode.
- 3. Touch "Open" to check that it works normally.

Is the inspection result normal?

YES >> Back door opener actuator is OK.

NO >> Refer to <u>DLK-98</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240109

1. CHECK BACK DOOR OPENER ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect back door opener actuator connector.
- 3. Check voltage between back door opener actuator connector harness connector and ground.

(+)					V-16 (VA)
Back door opener actuator		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(11 /
B77	1	Ground	Back door opener switch	Pressed	$0 \rightarrow 12 \rightarrow 0$

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK BACK DOOR OPENER ACTUATOR CIRCUIT

- Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and back door opener actuator harness connector.

В	ВСМ		Back door opener actuator		
Connector	Terminal	Connector Terminal		Continuity	
M120	23	B77	1	Existed	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector	Connector Terminal		Continuity	
M120	23		Not existed	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

3.CHECK BACK DOOR OPENER ACTUATOR GROUND CIRCUIT

Check continuity between back door opener actuator harness connector and ground.

Back door op	pener actuator		Continuity
Connector	Terminal	Ground	Continuity
B77	2		Existed

Is the inspection normal?

YES >> Replace back door opener actuator.

NO >> Repair or replace harness.

DOOR KEY CYLINDER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DOOR KEY CYLINDER SWITCH

Component Function Check

INFOID:0000000005240111

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1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "KEY CYL LK-SW", "KEY CYL UN-SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Col	Status	
KEY CYL LK-SW		Lock	On
	- Driver side door key cylinder	Neutral / Unlock	Off
KEY CYL UN-SW		Unlock	On
		Neutral / Lock	Off

Is the inspection result normal?

YES >> Door key cylinder switch is OK.

NO >> Refer to <u>DLK-99</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240112

1. CHECK DOOR KEY CYLINDER SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check voltage between driver side door lock assembly harness connector and ground.

(+) Driver side door lock assembly		(-)	Voltage (V) (Approx.)	
Connector	Terminal		(, ,pp. 6,1.)	
D15	5	Ground	5	
	6	Giodila	3	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK DOOR KEY CYLINDER SWITCH SIGNAL CIRCUIT

1. Disconnect power window main switch connector.

Check continuity between power window main switch harness connector and driver side door lock assembly harness connector.

Power windo	w main switch	Driver side door lock assembly Connector Terminal		Continuity
Connector	Terminal			Continuity
D8	6	D15	6	Existed
Do	7		5	LAISIEU

Check continuity between power window main switch harness connector and ground.

Power window main switch			Continuity	
Connector	Connector Terminal		Continuity	
D8	6	Ground	Not existed	
<i>D</i> 0	7		NOT EXISTED	

Is the inspection result normal?

YES >> Replace power window main switch. Refer to PWC-107, "Removal and Installation".

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DOOR KEY CYLINDER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Repair or replace harness.

${f 3.}$ CHECK DOOR KEY CYLINDER SWITCH GROUND CIRCUIT

Check continuity between driver side door lock assembly harness connector and ground.

Driver side doc	or lock assembly		Continuity
Connector	Terminal	Ground	Continuity
D15	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR KEY CYLINDER SWITCH

Refer to DLK-100, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace driver side door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005240113

1. CHECK DOOR KEY CYLINDER SWITCH

- Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check continuity between driver side door lock assembly terminals.

Driver side door lock assembly Terminal		Condition		Continuity
3	4	Driver eide deer key eylinder	Neutral / Lock	Not existed
6	6	Driver side door key cylinder	Lock	Existed
0			Neutral / Unlock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace driver side door lock assembly.

REMOTE KEYLESS ENTRY RECEIVER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REMOTE KEYLESS ENTRY RECEIVER

Component Function Check

INFOID:0000000005369935

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN1	Checks whether value changes when operating Intelligent Key

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Is the inspection result normal?

YES >> Remote keyless entry receiver is OK.

NO >> Refer to <u>DLK-101</u>, "<u>Diagnosis Procedure</u>".

INFOID:0000000005240116

Diagnosis Procedure

1. CHECK REMOTE KEYLESS ENTRY RECEIVER OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- Check signal between remote keyless entry receiver (front) harness connector and ground using oscilloscope.

(+) Remote keyless entry receiver (front)		(–)	Condition	Signal (Reference value)	
Connector	Terminal				
M104	2	Ground	During waiting	(V) 15 10 5 0 1 ms	
MIGT	-	Cidana	When operating either button on the Intelligent Key	(V) 15 10 5 0 1 ms	

Is the inspection result normal?

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

2. CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 1

- 1. Disconnect BCM connector and remote keyless entry receiver (front) connector.
- Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

В	ВСМ		Remote keyless entry receiver (front)	
Connector	Terminal	Connector Terminal		Continuity
M122	83	M104	2	Existed

Is the inspection result normal?

REMOTE KEYLESS ENTRY RECEIVER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 2

- 1. Disconnect BCM connector and remote keyless entry receiver (front) connector.
- 2. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M122	83		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REMOTE KEYLESS ENTRY RECEIVER POWER SUPPLY

- 1. Connect BCM connector.
- Check voltage between remote keyless entry receiver (front) harness connector and ground.

(+) Remote keyless entry receiver (front)		(-)	Voltage (V) (Approx.)
Connector	Connector Terminal		
M104	4	Ground	12

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

5. CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 3

- Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

В	BCM Remote keyless entry receiver (front)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
M122	103	M104	4	Existed

Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M122	103		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

6.CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 4

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

В	ВСМ		Remote keyless entry receiver (front)	
Connector	Terminal	Connector	Terminal	Continuity
M123	137	M104	1	Existed

3. Check continuity between BCM harness connector and ground.

REMOTE KEYLESS ENTRY RECEIVER

< DTC/CIRCUIT DIAGNOSIS >

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BCM			Continuity
Connector	Terminal	Ground	Continuity
M123	137		Not existed

Is the inspection result normal?

>> GO TO 7. YES

NO >> Repair or replace harness.

7.check remote keyless entry receiver ground circuit

- Connect BCM connector.
- Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M123	137		Existed

Is the inspection result normal?

YES >> Replace remote keyless entry receiver (front).

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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INFOID:0000000005240118

BACK DOOR OPENER SWITCH

Component Function Check

1. CHECK FUNCTION

- 1. Select "TRUNK" of "BCM" using CONSULT-III.
- Select "TR/BD OPEN SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
TR/BD OPEN SW	Back door opener switch	Pressed	On
TIVIDO OT LIN OW		Released	Off

Is the inspection result normal?

YES >> Back door opener switch is OK.

NO >> Refer to <u>DLK-104</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240119

1. CHECK BACK DOOR OPENER SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect back door opener switch assembly connector.
- Check signal between back door opener switch assembly harness connector and ground using oscilloscope.

	(+) Back door opener switch assembly		Signal (Reference value)	
Connector	Terminal		(
B154	1	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK BACK DOOR OPENER SWITCH CIRCUIT

- Disconnect BCM connector.
- Check continuity between BCM harness connector and back door opener switch assembly harness connector.

В	BCM		r switch assembly	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	67	B154	1	Existed

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M121	67		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

BACK DOOR OPENER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

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NO >> Repair or replace harness.

${f 3.}$ check back door opener switch ground circuit

Check continuity between back door opener switch assembly harness connector and ground.

Back door opener switch assembly			Continuity
Connector	Terminal	Ground	Continuity
B154	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK BACK DOOR OPENER SWITCH

Refer to DLK-105, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door opener switch assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005240120

1. CHECK BACK DOOR OPENER SWITCH

- Turn ignition switch OFF.
- 2. Disconnect back door opener switch assembly connector.
- Check continuity between back door opener switch assembly terminals.

Back door opener switch assembly		Condition		Continuity
Terr	minal	Condition		Continuity
1	4	Back door opener switch	Pressed	Existed
ľ	4	Back door opener switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door opener switch assembly. DLK

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DLK-105 Revision: 2009 July 2010 370Z

[COUPE]

INFOID:0000000005369937

DOOR REQUEST SWITCH

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "REQ SW -DR", "REQ SW -AS" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition	Status	
REQ SW -DR	Driver side door request switch	Pressed	On
NEW OW -DIN	Driver side door request switch	Released	Off
REQ SW -AS	Passenger side door request switch	Pressed	On
REQ 3W -A3	Passenger side door request switch	Released	Off

Is the inspection result normal?

YES >> Door request switch is OK.

NO >> Refer to <u>DLK-106</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240123

1. CHECK DOOR REQUEST SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door request switch connector.
- 3. Check signal between malfunctioning door request switch harness connector and ground using oscilloscope.

(+) Door request switch Connector Terminal			Signal (Reference value)	
		(-)		
Driver side	D13	1	Ground	(V) 15 10 5 0 10 ms JPMIA0016GB
Passenger side	D43	2		(V) 15 10 5 0 10 ms JPMIA0016GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK DOOR REQUEST SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between malfunctioning door request switch harness connector and BCM harness connector.

DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

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Door request switch			ВСМ		Continuity
Con	nector	Terminal	Connector	Terminal	Continuity
Driver side	D13	1	M122	101	Existed
Passenger side	D43	2	IVITZZ	100	Existed

Check continuity between door request switch harness connector and ground.

Door request switch				Continuity
Connector Terminal		Ground	Continuity	
Driver side	D13	1	Ground	Not existed
Passenger side	D43	2		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

3.check door request switch ground circuit

Check continuity between malfunctioning door request switch harness connector and ground.

Door request switch				Continuity
Connector Terminal			Ground	Continuity
Driver side	D13	2	Ground	Existed
Passenger side	D43	1		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK DOOR REQUEST SWITCH

Refer to DLK-107, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace malfunctioning door request switch (outside handle).

${f 5.}$ CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

1. CHECK DOOR REQUEST SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door request switch connector.
- 3. Check continuity between malfunctioning door request switch terminals.

Door request switch		Condition		Continuity
Terr	Terminal		Condition	
1	2	Door request switch	Pressed	Existed
<u>'</u>	2	Door request switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunctioning door request switch (outside handle).

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INFOID:0000000005240124

DLK-107

INFOID:0000000005240126

BACK DOOR REQUEST SWITCH

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "REQ SW -BD/TR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
REQ SW -BD/TR	Back door request switch	Pressed	On
NEQ OW DD/ IN		Released	Off

Is the inspection result normal?

YES >> Back door request switch is OK.

NO >> Refer to <u>DLK-108</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240127

1. CHECK BACK DOOR REQUEST SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect back door opener switch assembly connector.
- 3. Check signal between back door opener switch assembly harness connector and ground using oscilloscope.

	(+) Back door opener switch assembly		Signal (Reference value)	
Connector	Terminal		(10.0.0.000	
B154	2	Ground	(V) 15 10 5 0 10 ms JPMIA0016GB	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK BACK DOOR REQUEST SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and back door opener switch assembly harness connector.

В	СМ	Back door opener switch assembly		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
M121	61	B154	2	Existed	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M121	61		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

BACK DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Repair or replace harness.

${f 3.}$ check back door request switch ground circuit

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Check continuity between back door request switch assembly harness connector and ground.

Back door opene	r switch assembly		Continuity
Connector	Terminal	Ground	Continuity
B154	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK BACK DOOR REQUEST SWITCH

Refer to DLK-109, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace back door opener switch assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005240128

1. CHECK BACK DOOR REQUEST SWITCH

- Turn ignition switch OFF.
- 2. Disconnect back door opener switch assembly connector.
- Check continuity between back door opener switch assembly terminals.

Back door opener switch assembly		Condition		Continuity	
Terminal					
2	2	Back door request switch	Pressed	Existed	
	5 Back door request switch		Released	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace back door opener switch assembly.

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DLK-109 Revision: 2009 July 2010 370Z

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[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

UNLOCK SENSOR

Component Function Check

INFOID:0000000005369939

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "UNLK SEN -DR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
UNLK SEN -DR	Driver side door	Lock	Off
	Driver side door	Unlock	On

Is the inspection result normal?

YES >> Unlock sensor is OK.

NO >> Refer to <u>DLK-110</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240131

1. CHECK UNLOCK SENSOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect driver side door lock assembly connector.
- 3. Check signal between driver side door lock assembly harness connector and ground using oscilloscope.

·	(+) Driver side door lock assembly Connector Terminal		Signal (Reference value)
D15	3	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK UNLOCK SENSOR CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and driver side door lock assembly harness connector.

В	ВСМ		Driver side door lock assembly		
Connector	Terminal	Connector	Terminal	Continuity	
M123	119	D15	3	Existed	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M123	119		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

UNLOCK SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

3.check unlock sensor ground circuit

Check continuity between driver side assembly harness connector and ground.

Driver side doc	or lock assembly		Continuity	
Connector	Terminal	Ground	Continuity	
D15	4		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK UNLOCK SENSOR

Refer to DLK-111, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace driver side door lock assembly.

5.CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005240132

1. CHECK UNLOCK SENSOR

- 1. Turn ignition switch OFF.
- Disconnect driver side door lock assembly connector. 2.
- Check continuity between driver side door lock assembly terminals.

Driver side door lock assembly		Condition		Continuity	
Terminal					
2	4	Driver side door	Unlock	Existed	
3	4		Lock	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace driver side door lock assembly.

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[COUPE]

OUTSIDE KEY ANTENNA

Component Function Check

INFOID:0000000005240134

1. CHECK DOOR REQUEST SWITCH

Check door request switch.

- Back door request switch: Refer to <u>DLK-108, "Component Function Check"</u>.
- Other door request switches: Refer to <u>DLK-106, "Component Function Check"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Check back door request switch. Refer to <u>DLK-108</u>, "<u>Diagnosis Procedure</u>".

NO-2 >> Check other door request switches. Refer to <u>DLK-106, "Diagnosis Procedure"</u>.

2. CHECK FUNCTION

Be sure that Intelligent Key is in each outside key antenna detection area.

Does door lock/unlock when each door request switch is pressed?

YES >> Outside key antenna is OK.

NO >> Refer to <u>DLK-112</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240135

1. CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 1

- Turn ignition switch OFF.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(–)	Condition		Condition		
Conr	nector	Terminal				(Reference value)		
LH		76, 77						
RH	M122	74, 75	Ground	Door request switch is	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB		
Rear bumper	M121	38, 39	Ciodila	pressed	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB		

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation"

NO >> GO TO 2.

2.CHECK OUTSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and malfunctioning outside key antenna connector.
- Check continuity between malfunctioning outside key antenna harness connector and BCM harness connector.

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Outside key antenna			ВС	Continuity		
Connector		Terminal	Connector	Terminal	Continuity	
LH B36		1		77		
LH B36	B30	2	M122	76	Existed	
RH B2	B209	1		75		
	6209	2		74	Existed	
Rear bumper B54	DE4	1	M121	39		
	D34	2	IVI I Z I	38		

3. Check continuity between malfunctioning outside key antenna harness connector and ground.

	Outside key antenna		Continuity		
Conr	nector	Terminal		Continuity	
- Doc		1			
LH	B36	2 Ground			
RH	B209	1	Giodria	Not existed	
KH		2			
Rear bumper B54		1			
Real bumper	504	2			

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

${f 3.}$ CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace malfunctioning outside key antenna. (New antenna or other antenna)
- 2. Connect BCM connector and malfunctioning outside key antenna (New antenna or other antenna) connector.
- Check signal between BCM harness connector and ground using oscilloscope.

	(+)					
	BCM		(–) Condition		ondition	Signal (Reference value)
Conr	nector	Terminal				(Reference value)
LH		76, 77				
RH	M122	74, 75	Ground	Door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB
Rear bumper	M121	38, 39	Giodila	pressed	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> Replace malfunctioning outside key antenna.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000005369940

INTELLIGENT KEY WARNING BUZZER

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "OUTSIDE BUZZER" in "ACTIVE TEST" mode.
- Touch "On" to check that it works normally.

Is the inspection result normal?

YES >> Intelligent Key warning buzzer is OK.

NO >> Refer to <u>DLK-114</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240138

1. CHECK FUSE

- 1. Turn ignition switch OFF.
- 2. Check 10 A fuse, [No.6, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK INTELLIGENT KEY WARNING BUZZER POWER SUPPLY CIRCUIT

- 1. Disconnect Intelligent Key warning buzzer connector.
- 2. Check voltage between Intelligent Key warning buzzer harness connector and ground.

(+)			V/ 16 0.0
Intelligent Key warning buzzer		(–)	Voltage (V) (Approx.)
Connector	Terminal		,
E57	1	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check intelligent key warning buzzer circuit

- Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and Intelligent Key warning buzzer harness connector.

В	CM	Intelligent Key warning buzzer		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	64	E57	3	Existed

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M121	64		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK INTELLIGENT KEY WARNING BUZZER

Refer to DLK-115, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Replace Intelligent Key warning buzzer.

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INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Component Inspection

INFOID:0000000005240139

${\bf 1.} {\sf CHECK\ INTELLIGENT\ KEY\ WARNING\ BUZZER}$

- Turn ignition switch OFF.
- 2. Disconnect Intelligent Key warning buzzer connector.
- Connect battery power supply directly to Intelligent Key warning buzzer terminals and check the opera-

Intelligent Key warning buzzer		
Terminal		Operation
(+)	(-)	
1	3	Buzzer sounds

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace Intelligent Key warning buzzer.

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DLK-115 Revision: 2009 July 2010 370Z

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[COUPE]

INTELLIGENT KEY

Component Function Check

INFOID:0000000005369941

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN1	Check that the numerical value is changing while operating on the Intelligent Key

Is the inspection result normal?

YES >> Intelligent Key is OK.

NO >> Refer to <u>DLK-116</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240142

1. CHECK INTELLIGENT KEY BATTERY

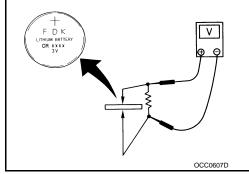
Check by connecting a resistance (approximately 300Ω) so that the current value becomes about 10 mA. Refer to <u>DLK-202</u>, "Removal and Installation".

Standard: Approx. 2.5 - 3.0V

Is the measurement value within the specification?

YES >> Replace Intelligent Key.

NO >> Replace Intelligent Key battery.



[COUPE]

KEY SLOT

Component Function Check

INFOID:0000000005369942

1. CHECK FUNCTION

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- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "KEY SW-SLOT" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Con	dition	Status
KEY SW-SLOT In	Intelligent Key	Inserted in key slot	On
		Removed from key slot	Off

Is the inspection result normal?

YES >> Key slot is OK.

NO >> Refer to <u>DLK-117</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240147

1. CHECK FUSE

- 1. Turn ignition switch OFF.
- Check 10 A fuse, [No.9, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK KEY SLOT POWER SUPPLY CIRCUIT

- 1. Disconnect key slot connector.
- Check voltage between key slot harness connector and ground.

(+) Key slot		(-)	Voltage (V) (Approx.)
Connector	Terminal		(11 - 7
M22	1	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK KEY SLOT CIRCUIT

- Disconnect BCM connector.
- Check continuity between BCM harness connector and key slot harness connector.

В	CM	Key	slot slot	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M123	121	M22	11	Existed
_	_			

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M123	121		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

KEY SLOT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

4. CHECK KEY SLOT

Refer to DLK-118, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Replace key slot.

Component Inspection

INFOID:0000000005240148

1. CHECK KEY SLOT

- 1. Turn ignition switch OFF.
- 2. Disconnect key slot connector.
- 3. Check continuity between key slot terminals.

Key slot		Condition		Continuity
Teri	minal	0011	Goldman, Gol	
1	11	Intelligent Key	Inserted in key slot	Existed
	11	intelligent Key	Removed in key slot	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace key slot.

KEY SLOT INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

KEY SLOT INDICATOR

Component Function Check

INFOID:0000000005369943

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1. CHECK FUNCTION

- В
- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "KEY SLOT ILLUMI" in "ACTIVE TEST" mode.
- Touch "On" to check that it works normally.

Is the inspection result normal?

YES >> Key slot is OK.

NO >> Refer to <u>DLK-119</u>, "<u>Diagnosis Procedure</u>".

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INFOID:0000000005240151

Diagnosis Procedure

1. CHECK FUSE

1. Turn ignition switch OFF.

2. Check 10 A fuse, [No. 6, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

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2.CHECK KEY SLOT POWER SUPPLY CIRCUIT

- 1. Disconnect key slot connector.
- 2. Check voltage between key slot harness connector and ground.

Key	slot	(-)	Voltage (V) (Approx.)	
Connector	Terminal		(* * * * * * * * * * * * * * * * * * *	
M22	5	Ground	Battery voltage	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK KEY SLOT CIRCUIT

- 1. Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and key slot harness connector.

BCM		Key slot		Continuity
Connector	Terminal	Connector Terminal		Continuity
M122	92	M22	6	Existed

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M122	92		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK KEY SLOT

Refer to DLK-120, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Replace key slot.

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KEY SLOT INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Component Inspection

INFOID:0000000005240152

1. CHECK KEY SLOT INDICATOR

- 1. Turn ignition switch OFF.
- 2. Disconnect key slot connector.
- 3. Connect battery power supply directly to key slot terminals and check the operation.

Key		
Terminal		Operation
(+)	(-)	
5	6	Key slot illuminates

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace key slot.

COMBINATION METER DISPLAY FUNCTION [COUPE] < DTC/CIRCUIT DIAGNOSIS > COMBINATION METER DISPLAY FUNCTION Α Component Function Check INFOID:0000000005369944 1. CHECK FUNCTION В Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. 2. Select "LCD" in "ACTIVE TEST" mode. 3. Check each warning display on meter display. Is the inspection result normal? YES >> Combination meter display function is OK. NO >> Refer to DLK-121, "Diagnosis Procedure". D Diagnosis Procedure INFOID:0000000005240158 Е 1. CHECK COMBINATION METER Check combination meter. Refer to MWI-77, "DTC Index". F Is the inspection result normal? YES >> GO TO 2. NO >> Check combination meter. Refer to MWI-4, "Work flow". 2.CHECK INTERMITTENT INCIDENT Refer to GI-39, "Intermittent Incident". Н >> INSPECTION END J DLK M Ν

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BUZZER (COMBINATION METER)

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000005369945

BUZZER (COMBINATION METER)

Component Function Check

1.CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "INSIDE BUZZER" in "ACTIVE TEST" mode.
- 3. Touch "Take out", "Knob" or "Key" to check that it works normally.

Is the inspection result normal?

Yes >> Warning buzzer into combination meter is OK.

No >> Refer to <u>DLK-122</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240161

1. CHECK METER BUZZER CIRCUIT

Check meter buzzer circuit.

Refer to WCS-21, "Component Function Check".

Is the inspection result normal?

Yes >> GO TO 2.

No >> Repair or replace the malfunctioning parts.

2. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

< DTC/CIRCUIT DIAGNOSIS >	
	[COUPE]
KEY WARNING LAMP	
Component Function Check	INFOID:0000000005369946
1. CHECK FUNCTION	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "INDICATOR" in "ACTIVE TEST" mode. Touch "Key ind" or "Key on" to check that it works normally. Is the inspection result normal? YES >> Key warning lamp is OK. NO >> Refer to <u>DLK-123</u>, "<u>Diagnosis Procedure</u>". 	
Diagnosis Procedure	INFOID:0000000005240164
1. CHECK KEY WARNING LAMP	
Check key warning lamp. Refer to MWI-4, "Work flow". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CHECK INTERMITTENT INCIDENT	
Refer to GI-39, "Intermittent Incident".	
>> INSPECTION END	
77 INC. 20 No. 210	

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HAZARD FUNCTION

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000005369947

HAZARD FUNCTION

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "FLASHER" in "ACTIVE TEST" mode.
- Touch "LH" or "RH" to check that it works normally.

Is the inspection result normal?

YES >> Hazard warning lamp circuit is OK.

NO >> Refer to <u>DLK-124</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005240167

1. CHECK HAZARD SWITCH CIRCUIT

Check hazard switch circuit

Refer to EXL-54, "Wiring Diagram".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INTEGRATED HOMELINK TRANSMITTER

Component Function Check

INFOID:0000000005240169

1. CHECK FUNCTION

Check that system receiver (garage door opener, etc.) operates with original hand-held transmitter.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Receiver or hand-held transmitter is malfunctioning.

2. CHECK ILLUMINATE

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- Turn ignition switch OFF.
- Does red light of transmitter illuminate when any transmitter button is pressed?

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to <u>DLK-125</u>, "<u>Diagnosis Procedure</u>".

3.CHECK TRANSMITTER

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Check transmitter with Tool*.

*: For details, refer to Technical Service Bulletin.

Is the inspection result normal?

YES >> Receiver or hand-held transmitter malfunction, not vehicle related.

NO >> Replace auto anti-dazzling inside mirror (integrated homelink transmitter).

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Diagnosis Procedure

1. CHECK POWER SUPPLY

INFOID:0000000005240170

- Turn ignition switch OFF.
- 2. Disconnect auto anti-dazzling inside mirror (integrated homelink transmitter) connector.
- 3. Check voltage between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

	+)			
Auto anti-dazzling inside mirror (Integrated homelink transmitter)		(–)	Voltage (V) (Approx.)	
Connector	Terminal			
R6	10	Ground	Battery voltage	

Is the inspection result normal?

YES >> GO TO 2.

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NO-1 >> Check 10 A fuse [No. 6 located in the fuse block (J/B)].
NO-2 >> Harness for open or short between fuse and auto anti-dazzling inside mi

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NO-2 >> Harness for open or short between fuse and auto anti-dazzling inside mirror (integrated homelink transmitter).

2.CHECK GROUND CIRCUIT

Check continuity between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

Auto anti-dazzling inside mirror (Integrated homelink transmitter)			Continuity
Connector	Terminal	Ground	
R6	8		Existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

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INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

3. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH < SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS Α DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK **SWITCH** В **ALL DOOR** ALL DOOR: Description INFOID:000000005369906 All doors do not lock/unlock using door lock and unlock switch. ALL DOOR: Diagnosis Procedure INFOID:0000000005240181 CHECK DOOR LOCK AND UNLOCK SWITCH Check door lock and unlock switch. Е Driver side: Refer to DLK-91, "DRIVER SIDE: Component Function Check". Passenger side: Refer to DLK-91, "PASSENGER SIDE: Component Function Check". Is the inspection result normal? F YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CHECK DOOR LOCK ACTUATOR CIRCUIT Check door lock actuator (driver side). Refer to DLK-93, "DRIVER SIDE: Component Function Check". Н Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. ${f 3.}$ CONFIRM THE OPERATION Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1. **DRIVER SIDE** DLK **DRIVER SIDE: Description** INFOID:0000000005369907 Driver side door does not lock/unlock using door lock and unlock switch. DRIVER SIDE: Diagnosis Procedure INFOID:0000000005240183 M 1. CHECK DOOR LOCK ACTUATOR Check door lock actuator (driver side). Refer to DLK-93, "DRIVER SIDE: Component Function Check". Ν Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION

>> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

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Confirm the operation again.

>> GO TO 1. PASSENGER SIDE

Is the result normal?

YES

NO

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH < SYMPTOM DIAGNOSIS > [COUPE]

PASSENGER SIDE: Description

Passenger side door does not lock/unlock using door lock and unlock switch.

PASSENGER SIDE : Diagnosis Procedure

1. CHECK DOOR LOCK ACTUATOR

Check door lock actuator (passenger side).

Refer to DLK-94, "PASSENGER SIDE: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39. "Intermittent Incident".

NO >> GO TO 1.

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DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION

< SYMPTOM DIAGNOSIS >

DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERA-TION

Diagnosis Procedure

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

>> Refer to DLK-127, "ALL DOOR : Diagnosis Procedure". NO

2. CHECK DOOR KEY CYLINDER SWITCH

Check door key cylinder switch.

Refer to DLK-99, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

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INFOID:0000000005240187

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DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

< SYMPTOM DIAGNOSIS >

[COUPE]

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH ALL DOOR

ALL DOOR : Description

INFOID:0000000005369912

All doors do not lock/unlock using all door request switches.

ALL DOOR: Diagnosis Procedure

INFOID:0000000005240189

1. CHECK REMOTE KEYLESS ENTRY FUNCTION

Check remote keyless entry function.

Does door lock/unlock with Intelligent Key button?

YES >> GO TO 2.

NO >> Refer to <u>DLK-132</u>, "<u>Diagnosis Procedure</u>".

2.check "Lock/unlock by I-key" setting in "work support"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT" mode.
- Check "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT".
 Refer to <u>DLK-41</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT".

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE: Description

INFOID:0000000005369913

All doors do not lock/unlock using driver side door request switch.

DRIVER SIDE: Diagnosis Procedure

INFOID:0000000005240191

1. CHECK DRIVER SIDE DOOR REQUEST SWITCH

Check driver side door request switch.

Refer to DLK-106, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK OUTSIDE KEY ANTENNA LH

Check outside key antenna LH.

Refer to <u>DLK-112</u>, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check Intermittent Incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

OOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH < SYMPTOM DIAGNOSIS > [COUPE	≣ 1
PASSENGER SIDE	
PASSENGER SIDE: Description	A
All doors do not lock/unlock using passenger side door request switch.	
PASSENGER SIDE : Diagnosis Procedure	D193
1.CHECK PASSENGER SIDE DOOR REQUEST SWITCH	С
Check passenger side door request switch.	<u> </u>
Refer to <u>DLK-106, "Component Function Check"</u> . Is the inspection result normal?	D
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts. 2.CHECK OUTSIDE KEY ANTENNA RH	Е
Check outside key antenna RH.	
Refer to DLK-112, "Component Function Check".	F
Is the inspection result normal? YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	G
3.CONFIRM THE OPERATION	
Confirm the operation again.	Н
<u>Is the result normal?</u> YES >> Check Intermittent Incident. Refer to <u>GI-39</u> , "Intermittent Incident".	
NO >> GO TO 1.	1
BACK DOOR	
BACK DOOR: Description	9915 J
All doors do not lock/unlock using back door request switch.	
BACK DOOR: Diagnosis Procedure	DLK
1. CHECK BACK DOOR REQUEST SWITCH	
Check back door request switch. Refer to DLK-108, "Component Function Check".	L
Is the inspection result normal?	
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.	\mathbb{M}
2.CHECK OUTSIDE KEY ANTENNA (REAR BUMPER)	
Check outside key antenna (rear bumper). Refer to DLK-112, "Component Function Check".	N
Is the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	0
3.CONFIRM THE OPERATION	
Confirm the operation again.	<u> </u> Р
Is the result normal?	
YES >> Check Intermittent Incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1.	

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

< SYMPTOM DIAGNOSIS >

[COUPE]

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

Diagnosis Procedure

INFOID:0000000005240197

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-127</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

2.CHECK REMOTE KEYLESS ENTRY RECEIVER

Check remote keyless entry receiver.

Refer to DLK-101, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.check intelligent key

Check Intelligent Key.

Refer to DLK-117, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK KEY SLOT

Check key slot.

Refer to DLK-117, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39. "Intermittent Incident".

NO >> GO TO 1.

SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE

[COUPE] < SYMPTOM DIAGNOSIS > SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE Α **Diagnosis Procedure** INFOID:0000000005380497 ${\bf 1.} {\sf check "Door lock-unlock set" setting in "work support"}$ В Select "DOOR LOCK" of "BCM" using CONSULT-III. Select "DOOR LOCK-UNLOCK SET" in "WORK SUPPORT" mode. Check "DOOR LOCK-UNLOCK SET" setting in "WORK SUPPORT". Refer to DLK-40, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)". Is the inspection result normal? YES >> GO TO 2. D NO >> Set "DOOR LOCK-UNLOCK SET" in "WORK SUPPORT". 2.REPLACE BCM Е • Replace BCM. Refer to BCS-92, "Removal and Installation". · Confirm the operation after replacement. Is the result normal? F >> INSPECTION END YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO Н J DLK L M Ν

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VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005380498

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to DLK-127, "ALL DOOR : Diagnosis Procedure".

2.CHECK "AUTOMATIC LOCK/UNLOCK SELECT" SETTING IN "WORK SUPPORT"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".
 Refer to <u>DLK-40</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".

3.check "automatic door lock select" setting in "work support"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT".
 Refer to <u>DLK-40</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Set "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT".

4. CHECK VEHICLE SPEED SIGNAL

Check combination meter.

Refer to MWI-77, "DTC Index".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.REPLACE BCM

- Replace BCM. Refer to BCS-92, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [COUPE]

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE Α Diagnosis Procedure INFOID:0000000005380499 1. CHECK POWER DOOR LOCK OPERATION В Check power door lock operation. Does door lock/unlock with door lock and unlock switch? YES >> GO TO 2. NO >> Refer to DLK-127, "ALL DOOR: Diagnosis Procedure". 2.check "automatic lock/unlock select" setting in "work support" D Select "DOOR LOCK" of "BCM" using CONSULT-III. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT". Е Refer to DLK-40, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)". Is the inspection result normal? YES >> GO TO 3. F NO >> Set "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT". 3.check "automatic door unlock select" setting in "work support" Select "DOOR LOCK" of "BCM" using CONSULT-III. Select "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT". Refer to DLK-40, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)". Н Is the inspection result normal? YES >> GO TO 4. NO >> Set "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT". 4.CHECK BCM Check BCM for DTC. Refer to BCS-86, "DTC Index". Is the inspection result normal? YES >> GO TO 5. DLK NO >> Repair or replace the malfunctioning parts. 5.REPLACE BCM • Replace BCM. Refer to BCS-92, "Removal and Installation". Confirm the operation after replacement. Is the result normal? YES >> INSPECTION END >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO N

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P RANGE INTERLOCK DOOR LOCK/UNLOCK FUNCTION DOES NOT OPER-ATE

< SYMPTOM DIAGNOSIS >

[COUPE]

P RANGE INTERLOCK DOOR LOCK/UNLOCK FUNCTION DOES NOT OP-ERATE

Diagnosis Procedure

INFOID:0000000005380500

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-127</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

2.check "automatic lock/unlock select" setting in "work support"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".
 Refer to <u>DLK-40</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".

${f 3.}$ CHECK "AUTOMATIC DOOR LOCK SELECT" SETTING IN "WORK SUPPORT"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT". Refer to <u>DLK-40</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM - DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Set "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT".

4. CHECK "AUTOMATIC DOOR UNLOCK SELECT" SETTING IN "WORK SUPPORT"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT".
 Refer to <u>DLK-40</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Set "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT".

CHECK TCM

Check TCM for DTC.

Refer to TM-286, "DTC Index".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.REPLACE BCM

- Replace BCM. Refer to BCS-92, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

AUTO DOOR LOCK OPERATION DOES NOT OPERATE [COUPE] < SYMPTOM DIAGNOSIS > AUTO DOOR LOCK OPERATION DOES NOT OPERATE Α **Diagnosis Procedure** INFOID:0000000005380501 1. CHECK "AUTO LOCK SET" SETTING IN "WORK SUPPORT" В Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "AUTO LOCK SET" in "WORK SUPPORT" mode. Check "AUTO LOCK SET" setting in "WORK SUPPORT". Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)". Is the inspection result normal? YES >> GO TO 2. D >> Set "AUTO LOCK SET" setting in "WORK SUPPORT". NO 2.REPLACE BCM Е • Replace BCM. Refer to BCS-92, "Removal and Installation". · Confirm the operation after replacement. Is the result normal? F YES >> INSPECTION END >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO Н J

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BACK DOOR DOES NOT OPEN

< SYMPTOM DIAGNOSIS >

[COUPE]

BACK DOOR DOES NOT OPEN

Diagnosis Procedure

INFOID:0000000005240213

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-127</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

2. CHECK BACK DOOR OPENER SWITCH

Check back door opener switch.

Refer to DLK-104, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK BACK DOOR OPENER ACTUATOR

Check back door opener actuator.

Refer to DLK-98, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK VEHICLE SPEED SIGNAL

Check combination meter.

Refer to MWI-4, "Work flow".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

FUEL LID LOCK ACTUATOR DOES NOT OPERATE [COUPE] < SYMPTOM DIAGNOSIS > FUEL LID LOCK ACTUATOR DOES NOT OPERATE Diagnosis Procedure INFOID:0000000005240215 1. CHECK FUEL LID OPENER ACTUATOR В Check fuel lid opener actuator. Refer to DLK-96, "Component Function Check". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1. F Н J L M Ν

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HAZARD AND HORN REMINDER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

HAZARD AND HORN REMINDER DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005380503

1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode.
- Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT".
 Refer to <u>DLK-41</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set the "HAZARD ANSWER BACK" setting in "WORK SUPPORT".

2. CHECK "HORN WITH KEYLESS LOCK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "HORN WITH KEYLESS LOCK in "WORK SUPPORT" mode.
- Check the "HORN WITH KEYLESS LOCK E setting in "WORK SUPPORT".
 Refer to <u>DLK-41</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set the "HORN WITH KEYLESS LOCK E setting in "WORK SUPPORT".

3.CHECK HAZARD FUNCTION

Check hazard function.

Refer to DLK-124, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK HORN FUNCTION

Check horn function.

Refer to SEC-124, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

HAZARD AND BUZZER REMINDER DOES NOT OPERATE

[COUPE] < SYMPTOM DIAGNOSIS > HAZARD AND BUZZER REMINDER DOES NOT OPERATE Α Diagnosis Procedure INFOID:0000000005240221 1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT" В Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode. Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT". Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)". Is the inspection result normal? YES >> GO TO 2. D NO >> Set the X HAZARD ANSWER BACK" setting in "WORK SUPPORT". 2.CHECK "ANS BACK I-KEY LOCK" SETTING IN "WORK SUPPORT" Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "ANS BACK I-KEY LOCK" in "WORK SUPPORT" mode. Check the "ANS BACK I-KEY LOCK" setting in "WORK SUPPORT". Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)". Is the inspection result normal? YES >> GO TO 3. NO >> Set the "ANS BACK I-KEY" LOCK setting in "WORK SUPPORT". ${f 3.}$ CHECK "ANS BACK I-KEY UNLOCK" SETTING IN "WORK SUPPORT" Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Н Select "ANS BACK I-KEY UNLOCK" in "WORK SUPPORT" mode. Check the "ANS BACK I-KEY UNLOCK" setting in "WORK SUPPORT". Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)". Is the inspection result normal? YES >> GO TO 4. NO >> Set the "ANS BACK I-KEY UNLOCK" setting in "WORK SUPPORT". 4.CHECK HAZARD FUNCTION Check hazard function. Refer to DLK-124, "Component Function Check". DLK Is the inspection result normal? YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts. ${f 5}.$ CHECK INTELLIGENT KEY WARNING BUZZER Check Intelligent Key warning buzzer. Refer to DLK-114, "Component Function Check". Is the inspection result normal? YES >> GO TO 6. N NO >> Repair or replace the malfunctioning parts. 6.CONFIRM THE OPERATION Confirm the operation again. Is the result normal? >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". YES Р NO >> GO TO 1.

KEY REMINDER FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

KEY REMINDER FUNCTION DOES NOT OPERATE INTELLIGENT KEY SYSTEM

INTELLIGENT KEY SYSTEM : Description

INFOID:0000000005369917

Key reminder function is not operated by intelligent Key system.

INTELLIGENT KEY SYSTEM: Diagnosis Procedure

INFOID:0000000005240223

1. CHECK "ANTI KEY LOCK IN FUNCTI" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "ANTI KEY LOCK IN FUNCTI" in "WORK SUPPORT" mode.
- Check "ANTI KEY LOCK IN FUNCTI" setting in "WORK SUPPORT".
 Refer to <u>DLK-41</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "ANTI KEY LOCK IN FUNCTI" setting in "WORK SUPPORT".

2. CHECK DOOR SWITCH

Check door switch.

Refer to DLK-88, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Console: Refer to <u>DLK-84, "DTC Logic"</u>.
- Luggage room: Refer to DLK-86, "DTC Logic".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK UNLOCK SENSOR

Check unlock sensor.

Refer to DLK-110, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

POWER DOOR LOCK SYSTEM

POWER DOOR LOCK SYSTEM: Description

INFOID:0000000005369918

INFOID:0000000005240225

Key reminder function is not operated by power door lock system.

POWER DOOR LOCK SYSTEM: Diagnosis Procedure

1. CHECK KEY SLOT

Check key slot.

Revision: 2009 July

Refer to <u>DLK-117</u>, "Component Function Check".

Is the inspection result normal?

KEY REMINDER FUNCTION DOES NOT OPERATE < SYMPTOM DIAGNOSIS >	[COUPE]
YES >> GO TO 2.	[2222.2]
NO >> Repair or replace the malfunctioning parts. 2.CHECK DOOR SWITCH	
Check door switch.	
Refer to DLK-88, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	
3.confirm the operation	
Confirm the operation again.	
<u>Is the result normal?</u> YES >> Check intermittent incident. Refer to <u>GI-39</u> , " <u>Intermittent Incident</u> ".	
NO >> GO TO 1.	
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Revision: 2009 July **DLK-143** 2010 370Z

KEY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

KEY WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005240227

1. CHECK BUZZER (COMBINATION METER)

Check buzzer (combination meter).

Refer to DLK-122, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

CHECK DOOR SWITCH

Check door switch (driver side).

Refer to DLK-88, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3. CHECK KEY SLOT

Check key slot.

Refer to DLK-117, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK COMBINATION METER DISPLAY

Check combination meter display.

Refer to DLK-121, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CHECK KEY SLOT INDICATOR

Check key slot indicator.

Refer to DLK-119, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

OFF POSITION WARNING DOES NOT OPERATE

<pre>OFF POSITION WARNING DOES NOT OPERATE < SYMPTOM DIAGNOSIS ></pre>	[COUPE]
OFF POSITION WARNING DOES NOT OPERATE	
Diagnosis Procedure	INFOID:0000000005240229
1.CHECK POWER POSITION	
Check if ignition switch position is changing or not.	
<u>Does ignition switch position change?</u> YES >> GO TO 2.	
NO >> Check BCM for DTC. Refer to BCS-86, "DTC Index".	
2.CHECK BUZZER (COMBINATION METER)	
Check buzzer (combination meter). Refer to DLK-122, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CHECK INTELLIGENT KEY WARNING BUZZER	_
Check Intelligent Key warning buzzer. Refer to DLK-114, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4.CHECK DOOR SWITCH	
Check door switch (driver side).	
Refer to <u>DLK-88, "Component Function Check"</u> . <u>Is the inspection result normal?</u>	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts. 5.CONFIRM THE OPERATION	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1.	

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P POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

P POSITION WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005240231

1. CHECK POWER POSITION

Check if ignition switch position is changing or not.

Does ignition switch position change?

YES >> GO TO 2.

NO >> Check BCM for DTC. Refer to BCS-86, "DTC Index".

2.CHECK DETENTION SWITCH

Check BCM for DTC.

Refer to BCS-86, "DTC Index".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-114, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK BUZZER (COMBINATION METER)

Check buzzer (combination meter).

Refer to DLK-122, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CHECK DOOR SWITCH

Check door switch (driver side).

Refer to DLK-88, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Console: Refer to DLK-84, "DTC Logic".
- Luggage room: Refer to <u>DLK-86, "DTC Logic"</u>.

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7.CHECK COMBINATION METER DISPLAY

Check combination meter display.

Refer to DLK-121, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace the malfunctioning parts.

8.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

P POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [COUPE]

YES >> Check intermittent incident. Refer to <u>GI-39</u>, "Intermittent Incident".

NO >> GO TO 1.

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ACC WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

ACC WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005240233

1. CHECK POWER POSITION

Check if ignition switch position is changing or not.

Does ignition switch position change?

YES >> GO TO 2.

NO >> Check BCM for DTC. Refer to BCS-86, "DTC Index".

2.CHECK BUZZER (COMBINATION METER)

Check buzzer (combination meter).

Refer to DLK-122, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK COMBINATION METER DISPLAY FUNCTION

Check combination meter display function.

Refer to DLK-121, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

TAKE AWAY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >	[COUPE]
TAKE AWAY WARNING DOES NOT OPERATE	
Diagnosis Procedure	INFOID:000000005240235
1.CHECK POWER POSITION	E
Check if ignition switch position is changing or not.	
Does ignition switch position change?	
YES >> GO TO 2.	(
NO >> Check BCM for DTC. Refer to <u>BCS-86, "DTC Index"</u> .	
2.CHECK DOOR SWITCH	
Check door switch. Refer to DLK-88, "Component Function Check".	
Is the inspection result normal?	E
YES >> GO TO 3.	ı
NO >> Repair or replace the malfunctioning parts.	
3.check key slot	F
Check key slot.	
Refer to <u>DLK-117</u> , " <u>Component Function Check</u> ". <u>Is the inspection result normal?</u>	(
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	ŀ
4.CHECK INSIDE KEY ANTENNA	Γ
Check inside key antenna.	_
 Console: Refer to <u>DLK-84, "DTC Logic"</u>. Luggage room: Refer to <u>DLK-86, "DTC Logic"</u>. 	
Is the inspection result normal?	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	
5. CHECK BUZZER (COMBINATION METER)	
Check buzzer (combination meter).	DI
Refer to <u>DLK-122</u> , "Component Function Check". <u>Is the inspection result normal?</u>	
YES >> GO TO 6.	I
NO >> Repair or replace the malfunctioning parts.	
6.CHECK COMBINATION METER DISPLAY	1
Check combination meter display.	
Refer to DLK-121, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 7.	ľ
NO >> Repair or replace the malfunctioning parts.	
7. CHECK INTELLIGENT KEY WARNING BUZZER	
Check Intelligent Key warning buzzer.	_
Refer to <u>DLK-114, "Component Function Check"</u> . <u>Is the inspection result normal?</u>	F
YES >> GO TO 8.	
NO >> Repair or replace the malfunctioning parts.	
8. CHECK KEY SLOT INDICATOR	
Check key slot indicator.	
Refer to DLK-119, "Component Function Check".	

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TAKE AWAY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [COUPE]

Is the inspection result normal?

YES >> GO TO 9.

NO >> Repair or replace the malfunctioning parts.

9.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [COUPE]

INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE Α Diagnosis Procedure INFOID:0000000005240237 1. CHECK "LO-BATT OF KEY FOB WARN" SETTING IN "WORK SUPPORT" В Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "LO- BATT OF KEY FOB WARN" in "WORK SUPPORT" mode. Check "LO- BATT OF KEY FOB WARN" setting in "WORK SUPPORT". Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)". Is the inspection result normal? YES >> GO TO 2. D NO >> Set "LO- BATT OF KEY FOB WARN" setting in "WORK SUPPORT". 2.CHECK INTELLIGENT KEY Check Intelligent Key. Refer to DLK-116, "Component Function Check". Is the inspection result normal? F YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. f 3.CHECK COMBINATION METER DISPLAY Check combination meter display. Refer to DLK-121, "Component Function Check". Is the inspection result normal? Н YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. 4. CHECK INSIDE KEY ANTENNA Check inside key antenna. Console: Refer to <u>DLK-84</u>, "<u>DTC Logic</u>". Luggage room: Refer to <u>DLK-86, "DTC Logic"</u>. Is the inspection result normal? YES >> GO TO 5. DLK NO >> Repair or replace the malfunctioning parts. $5.\mathsf{confirm}$ the operation Confirm the operation again. Is the result normal? >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". YES NO >> GO TO 1. Ν Р

DOOR LOCK OPERATION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

DOOR LOCK OPERATION WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005240239

1. CHECK DOOR LOCK FUNCTION

Check door lock function.

Does door lock/unlock using door request switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-130</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

2.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-114, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

KEY ID WARNING DOES NOT OPERATE < SYMPTOM DIAGNOSIS >	[COUPE]
KEY ID WARNING DOES NOT OPERATE	[000: 2]
Diagnosis Procedure	INFOID:0000000005240241
1.CHECK INTELLIGENT KEY	
Check Intelligent Key. Refer to DLK-116, "Component Function Check". Is the inspection result normal? YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts. 2.CHECK COMBINATION METER DISPLAY FUNCTION	
Check combination meter display function. Refer to DLK-121, "Component Function Check". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CONFIRM THE OPERATION	
Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	
NO >> GO TO 1.	

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KEY WARNING LAMP DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[COUPE]

KEY WARNING LAMP DOES NOT ILLUMINATE

Diagnosis Procedure

INFOID:0000000005240243

1. CHECK KEY WARNING LAMP

Check key warning lamp.

Refer to DLK-123, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE

[COUPE] < SYMPTOM DIAGNOSIS >

INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE

Diagnosis Procedure INFOID:0000000005240244

1. CHECK INTEGRATED HOMELINK TRANSMITTER

Check integrated homelink transmitter. Refer to DLK-125, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

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DLK-155 Revision: 2009 July 2010 370Z

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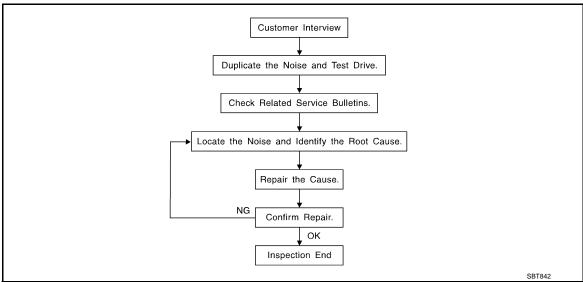
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[COUPE]

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow (INFOID:000000005240245



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 DLK-160, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics
 are provided so the customer, service adviser and technician are all speaking the same language when
 defining the noise.
- Squeak (Like tennis shoes on a clean floor)
 Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces
 higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak (Like walking on an old wooden floor)
 Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle (Like shaking a baby rattle)
 Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock (Like a knock on a door)
 - Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick (Like a clock second hand)
 Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump (Heavy, muffled knock noise)
 Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz (Like a bumblebee)
 Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that a technician
 may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

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

[COUPE] < SYMPTOM DIAGNOSIS >

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

- 1) Close a door.
- 2) Tap or push/pull around the area where the noise appears to be coming from.
- 3) Rev the engine.
- 4) Use a floor jack to recreate vehicle "twist".
- 5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
- 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, Engine ear and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the components in the area that is are suspected to be the cause of the noise. Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of the noise. Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only tem-
- 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 DLK-158, "Inspection Procedure".

REPAIR THE CAUSE

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

CAUTION:

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

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

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

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100×135 mm $(3.94 \times 5.31 \text{ in})/76884-71L01$: 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, 50×50 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

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

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

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

UHMW (TEFLON) TAPE

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< SYMPTOM DIAGNOSIS >

[COUPE]

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

SILICONE GREASE

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

SILICONE SPRAY

Used when grease cannot be applied.

DUCT TAPE

Used to eliminate movement.

CONFIRM THE REPAIR

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

Inspection Procedure

INFOID:0000000005240246

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- 1. The cluster lid A and instrument panel
- 2. Acrylic lens and combination meter housing
- 3. Instrument panel to front pillar garnish
- 4. Instrument panel to windshield
- 5. Instrument panel mounting pins
- 6. Wiring harnesses behind the combination meter
- 7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

- 1. Finisher and inner panel making a slapping noise
- 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. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-43980) to repair the noise.

TRUNK

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

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

< SYMPTOM DIAGNOSIS >

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

SUNROOF/HEADLINING

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

- Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
- 2. Sunvisor shaft shaking in the holder
- 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.

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
- A squeak between the seat pad cushion and frame
- The rear seatback lock and bracket

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

UNDERHOOD

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

Causes of transmitted underhood noise include:

- Any component mounted to the engine wall 1.
- 2. 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.

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[COUPE]

Diagnostic Worksheet

INFOID:0000000005240247

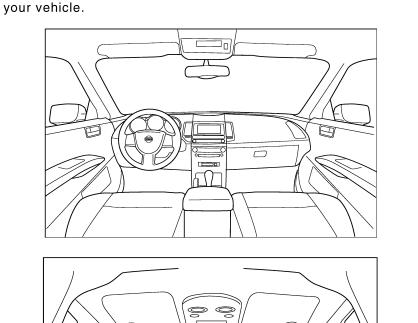


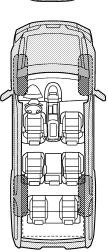
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

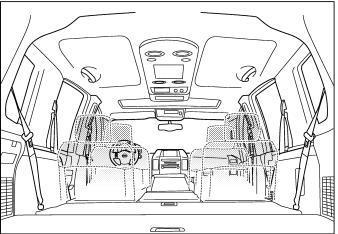
Dear Nissan Customer:

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







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

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< SYMPTOM DIAGNOSIS >

[COUPE]

II. WHEN DOES IT OCCUR? (please cl	neck the boxes that apply)	
☐ anytime	after sitting out in the rain	
☐ 1st time in the morning	\square when it is raining or wet	
only when it is cold outside	dry or dusty conditions	
only when it is hot outside	other:	
II. WHEN DRIVING:	IV. WHAT TYPE OF NOISE	
through driveways	squeak (like tennis shoes on a clean floor)	
over rough roads	creak (like walking on an old wooden floor)	
over speed bumps	rattle (like shaking a baby rattle)	
only about mph	knock (like a knock at the door)	
on acceleration	tick (like a clock second hand)	
coming to a stop	thump (heavy, muffled knock noise)	
on turns: left, right or either (circle)	buzz (like a bumble bee)	
L with paccondore or cardo		
☐ with passengers or cargo		
other:	ninutes	
	inutes	
other: miles or m		_
other: miles or m Government of the completed by dealership		_
other: miles or m O BE COMPLETED BY DEALERSHI		-
other: miles or m Government TO BE COMPLETED BY DEALERSHIP		-
other:		-
other: miles or m after driving miles or m TO BE COMPLETED BY DEALERSHII Test Drive Notes:	P PERSONNEL YES NO Initials of person	-
other: after driving miles or m TO BE COMPLETED BY DEALERSHIP Test Drive Notes: Vehicle test driven with customer	P PERSONNEL YES NO Initials of person	-
other: after driving miles or m TO BE COMPLETED BY DEALERSHIP Test Drive Notes: Vehicle test driven with customer - Noise verified on test drive	P PERSONNEL YES NO Initials of person	-
other: after driving miles or m TO BE COMPLETED BY DEALERSHIP Test Drive Notes: /ehicle test driven with customer - Noise verified on test drive - Noise source located and repaired	YES NO Initials of person performing	-
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Revision: 2009 July **DLK-161** 2010 370Z

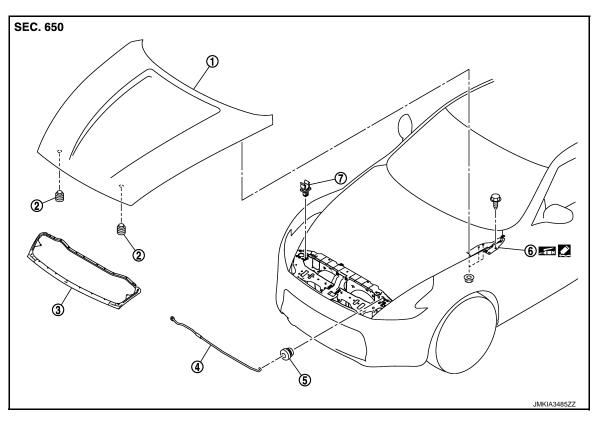
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REMOVAL AND INSTALLATION

HOOD

HOOD ASSEMBLY

HOOD ASSEMBLY: Exploded View



- 1. Hood assembly
- 4. Hood support rod
- 7. Clamp

- 2. Hood bumper rubber
- Grommet

- 3. Hood seal (front)
- 6. Hood hinge

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

HOOD ASSEMBLY: Removal and Installation

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CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove washer nozzle (LH/RH) and washer tube. Refer to WW-94, "Removal and Installation".
- Support hood assembly with a suitable material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood stay.

3. Remove hood hinge mounting bolts on the hood to remove the hood assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

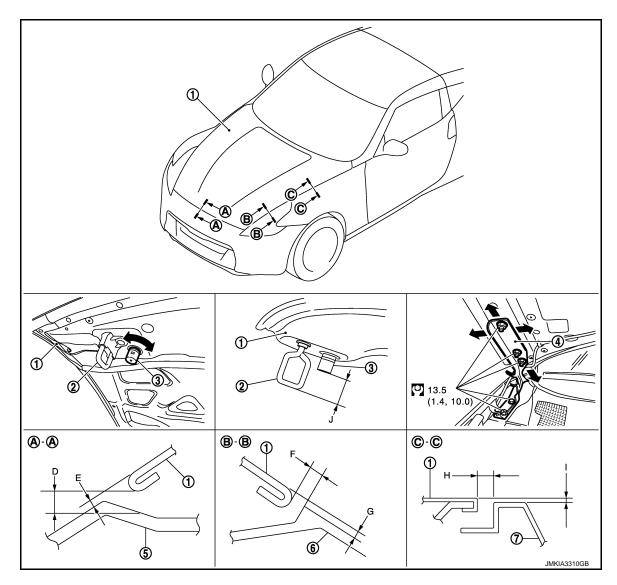
- Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check hood open/close, lock/unlock operation.

[COUPE]

- · After installation, adjust the following parts.
- Hood: Refer to <u>DLK-163, "HOOD ASSEMBLY: Adjustment"</u>.
- Washer nozzle (LH/RH) and washer tube: Refer to WW-94, "Removal and Installation".
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.

HOOD ASSEMBLY : Adjustment

INFOID:0000000005240257



- 1. Hood assembly
- 4. Hood hinge

- 2. Hood striker
- Front bumper fascia
- Hood bumper rubber
- Front combination lamp

7. Front fender

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

Check the clearance and the surface height between hood and each part by seeing and touching. Fitting standard dimension in the table below should be satisfied.

If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

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Unit: mm (in)

Portion			Standard	Difference (LH/RH, MAX)	
Hood – Front bumper fascia		D	Clearance	2.9 - 6.9 (0.114 - 0.272)	_
	A-A	Е	Surface height	-1.0 - 3.0 (-0.039 - 0.118)	_
Hood – Front combination lamp	D D	F	Clearance	1.5 - 5.5 (0.059 - 0.217)	2.2 (0.087)
	B - B	G	Surface height	-1.0 - 3.0 (-0.039 - 0.118)	3.0 (0.118)
Hood – Front fender C – C		Н	Clearance	2.5 - 4.5 (-0.098 - 0.177)	2.0 (0.079)
	0-0	I	Surface height	-0.75 - 1.25 (-0.030 - 0.049)	2.0 (0.079)
Hood striker – Hood bumper rubber	_	J	Height difference	35.7 – 36.7 (1.406 – 1.445)	_

- Remove striker and adjust the surface height of hood, front bumper fascia and front fender according to the fitting standard dimension, by rotating hood bumper rubber.
- 2. Adjust the height difference of striker, hood bumper rubber according to the fitting standard dimension.
- 3. Loosen hood hinge mounting nuts on the hood.
- 4. Adjust the clearance of hood, front bumper fascia and front fender according to the fitting standard dimension, for the hood.
- 5. Check that hood lock primary latch is securely engaged with striker by dropping hood from approximately 200 mm (7.874 in) height or pressing lightly on the hood.

CAUTION: Never drop hood from a height of 300 mm (11.811 in) or more.

Install as static closing face of hood is 94 - 490 N (9.6 - 50.0 kg, 21.1 - 110 lb).

- Exercise vertical force on right side and left side of hood lock.
- Do not simultaneously press both sides.
- 7. After adjustment, tighten hood hinge mounting nuts to the specified torque.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.

HOOD HINGE

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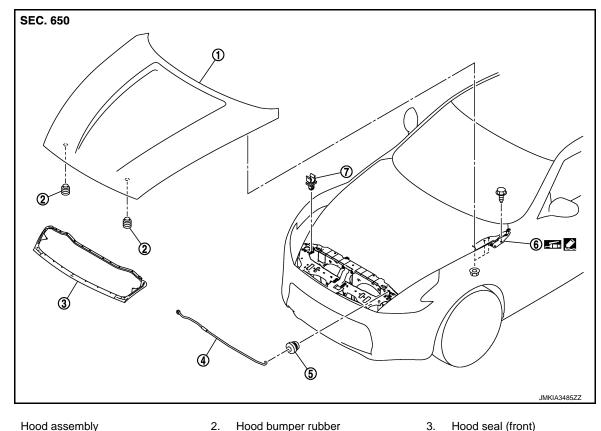
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HOOD HINGE: Exploded View

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1. Hood assembly

Hood support rod

3. Hood seal (front)

Grommet

Hood hinge

7. Clamp

4.

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

HOOD HINGE: Removal and Installation

INFOID:0000000005240259

REMOVAL

- Remove hood assembly. Refer to <u>DLK-162</u>, "HOOD ASSEMBLY: Removal and Installation".
- Remove hood hinge mounting bolts, and then remove hood hinge.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check hood open/close, lock/unlock operation.
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.
- After installation, perform the fitting adjustment. Refer to <u>DLK-163, "HOOD ASSEMBLY: Adjust-</u> ment".

HOOD SUPPORT ROD

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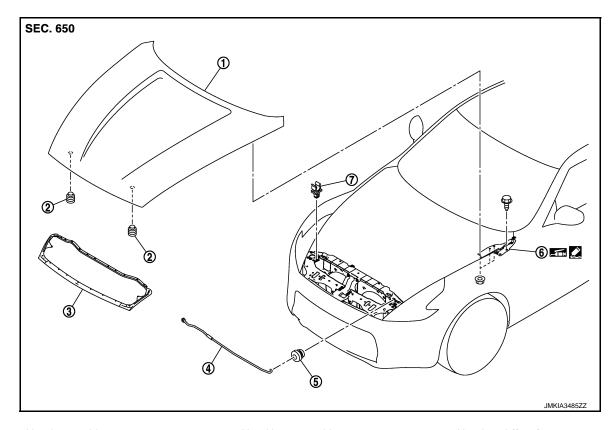
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DLK-165 Revision: 2009 July 2010 370Z

HOOD SUPPORT ROD: Exploded View

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- Hood assembly
- 4. Hood support rod
- 7. Clamp

- 2. Hood bumper rubber
- 5. Grommet

- 3. Hood seal (front)
- 6. Hood hinge

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

HOOD SUPPORT ROD: Removal and Installation

INFOID:0000000005240261

REMOVAL

1. Support hood assembly with a suitable material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood support rod.

2. Pull hood support rod from grommet and remove.

INSTALLATION

Install in the reverse order of removal.

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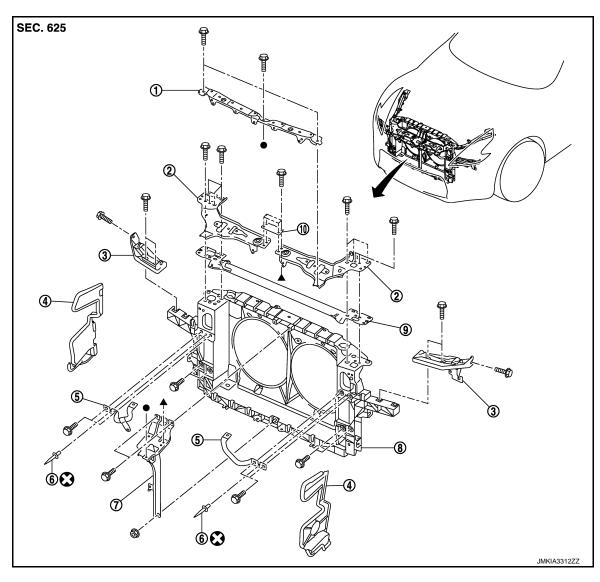
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RADIATOR CORE SUPPORT

Exploded View



- Front bumper retainer
- 4. Air guide (LH/RH)
- 7. Hood lock stay assembly
- 10. Hood lock bracket (center)
- Refer to GI-4, "Components" for symbols in the figure.
- 2. Hood lock bracket (LH/RH)
- 5. Hood lock stay (LH/RH)
- 8. Radiator core support assembly
- 3. Head lamp bracket (LH/RH)
- 6. Rivet
- 9. Radiator core support reinforcement

Removal and Installation

REMOVAL

- 1. Remove front bumper fascia, energy absorber, and bumper reinforcement. Refer to <u>EXT-14, "Removal and Installation"</u>.
- 2. Remove engine under cover. Refer to EXT-30, "FLOOR UNDER COVER: Removal and Installation".
- 3. Drain engine coolant from radiator. Refer to MA-19, "ENGINE COOLANT: Draining".
- 4. Use refrigerant collecting equipment to discharge the refrigerant. Refer to HA-29, "Recycle Refrigerant".
- 5. Remove air guide (LH/RH).
- 6. Remove bumper center upper finisher. Refer to EXT-13, "Exploded View".

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RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

[COUPE]

- Disconnect harness clips and hood lock control cable clips from bumper retainer.
- 8. Remove bumper retainer.
- 9. Remove horn (HIGH/LOW). Refer to HRN-7, "Removal and Installation".
- 10. Remove hood lock (LH/RH). Refer to DLK-184, "Removal and Installation".
- Remove front combination lamp (LH/RH). Refer to EXL-122, "Removal and Installation".
- 12. Support hood assembly with a suitable material to prevent it from falling.

WARNING

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood support rod.

- 13. Remove hood lock bracket (center).
- 14. Remove hood lock bracket (LH/RH).

NOTE:

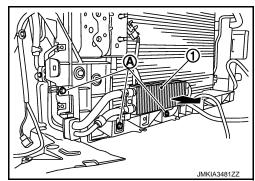
Remove hood lock bracket RH and washer inlet at the same time.

- 15. Remove ambient sensor. Refer to HAC-88, "Removal and Installation".
- 16. Remove hood lock stay assembly.
- 17. Remove radiator core support reinforcement.
- 18. Remove washer tank. Refer to <u>WW-91, "Removal and Installation"</u>.
- 19. Remove Intelligent Key warning buzzer. Refer to <u>DLK-200, "Removal and Installation"</u>.
- 20. Remove head lamp bracket (LH/RH).
- 21. Remove air cleaner case assembly (LH/RH). Refer to EM-31, "Removal and Installation".
- 22. Remove air duct (LH/RH). Refer to EM-31, "Removal and Installation".
- 23. Disconnect condenser pipe assembly at one touch joint. Refer to HA-44, "CONDENSER PIPE ASSEMBLY: Removal and Installation".
- 24. Remove the radiator reservoir tank. Refer to CO-14, "Exploded View".
- 25. Remove radiator upper hose. Refer to CO-14, "Exploded View".
- 26. Disconnect harness connector of refrigerant pressure sensor. Refer to <u>HA-43, "Exploded View"</u>.
- 27. Remove crash zone sensor. Refer to SR-26, "Removal and Installation".
- 28. Disconnect harness connector of cooling fan. Refer to CO-17, "Removal and Installation".
- 29. Remove upper mount bracket, and then tilt radiator toward vehicle front. Refer to CO-14, "Exploded View".
- 30. Disconnect all harness clips from radiator core support assembly.

CAUTION:

Never damage radiator.

- 31. Remove radiator lower hose at radiator side.
- 32. Disconnect A/T fluid cooler hose.
- 33. Remove mounting bolts (A), and then move power steering fluid cooler assembly (1) toward vehicle front.



- 34. Remove hood lock stay (LH/RH).
 - Remove the rivets, and then remove the hood lock stay (LH/RH) from the radiator core support assembly.

NOTE:

Removal of rivet.

RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

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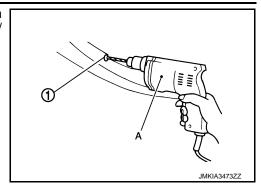
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Grind the head of rivet (1) with a drill (A) [bit of 4.0 - ϕ 4.5 mm (0.157 - ϕ 0.177 in)] and then remove the hood lock stay (LH/RH).



- Remove mounting bolts, and then remove radiator core support assembly.
 CAUTION:
 - Operate with 2 workers, because of its heavy weight.
 - Never damage power steering oil cooler pipe.
- 36. Remove the following parts after removing radiator core support assembly.
 - Cooling fan (LH/RH). Refer to <u>CO-17, "Removal and Installation"</u>.
 - Radiator and condenser assembly. Refer to CO-15, "Removal and Installation".

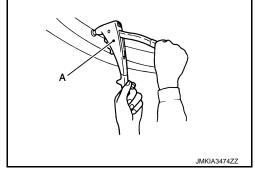
INSTALLATION

Install in the reverse order of removal.

NOTE:

Securely crimp the hood lock stay (LH/RH) with the radiator core support assembly with a hand riveter (A).

Hood lock stay (LH/RH)				
Used rivet head diameter : φ9.6 mm (φ0.378 in)				



CAUTION:

- After installation, fill the following parts.
- Refrigerant: Refer to HA-29, "Charge Refrigerant".
- Engine coolant: Refer to CO-10, "Refilling".
- A/T fluid: Refer to TM-299, "Changing".
- After installation, adjust the following parts.
- Front combination lamp: Refer to <u>EXL-119</u>, "<u>Description</u>".

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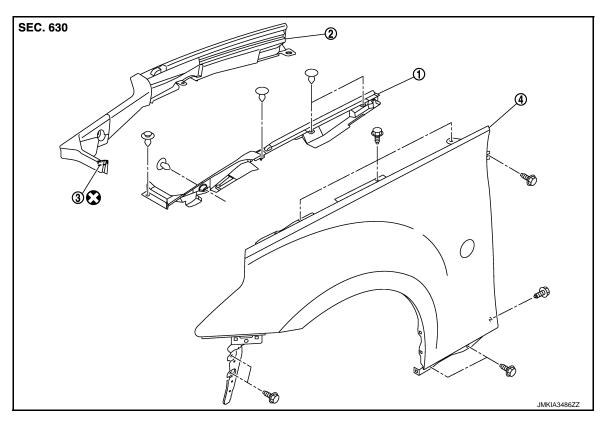
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FRONT FENDER

Exploded View



- 1. Hood seal (side) (LH)
- 2. Hood seal (side) (RH)
- 3. Double-faced adhesive tape [t: 2.0mm (0.079in)]

4. Front fender assembly

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

Removal and Installation

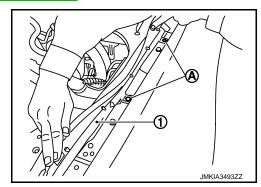
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CAUTION:

Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove front bumper fascia. Refer to EXT-14, "Removal and Installation".
- 2. Remove front combination lamp. Refer to EXL-122, "Removal and Installation".
- 3. Remove side turn signal lamp. Refer to EXL-128, "Removal and Installation".
- 4. Remove clips (A) of hood seal (side) (1).



5. Remove clips and screws of fender protector. Refer to EXT-25, "FENDER PROTECTOR: Removal and Installation".

FRONT FENDER

< REMOVAL AND INSTALLATION >

- Remove center mud guard. Refer to <u>EXT-27</u>, "Removal and Installation".
- 7. Remove mounting bolts and remove front fender.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installation, apply the touch-up paint (the body color) onto the head of front fender mounting bolts.
- After installation, adjust the following parts.
- Hood assembly: Refer to <u>DLK-163</u>, "HOOD ASSEMBLY: Adjustment".
- Door: Refer to <u>DLK-173, "DOOR ASSEMBLY: Adjustment"</u>.
- Front combination lamp: Refer to **EXL-119**, "Description".

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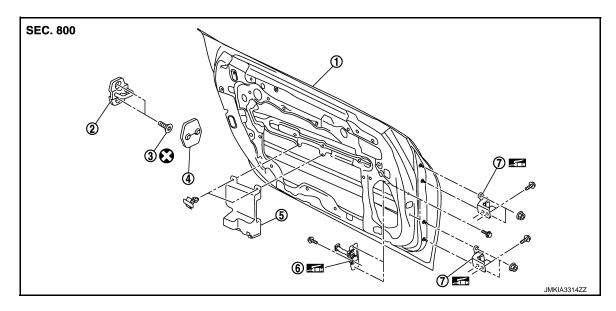
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DOOR

DOOR ASSEMBLY

DOOR ASSEMBLY: Exploded View

INFOID:0000000005240266



1. Door panel

- 2. Door striker
- 5. Door pad

- 3. TORX bolt
- Door check link

Door striker cover
 Door hinge (upper/lower)

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

DOOR ASSEMBLY: Removal and Installation

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CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove mounting bolts of door check link on the vehicle.
- 2. Disconnect door harness connector.
- 3. Remove door hinge mounting nuts (door side), and then remove door assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- · Apply anticorrosive agent onto the mounting surface.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to DLK-173, "DOOR ASSEMBLY: Adjustment".
- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.

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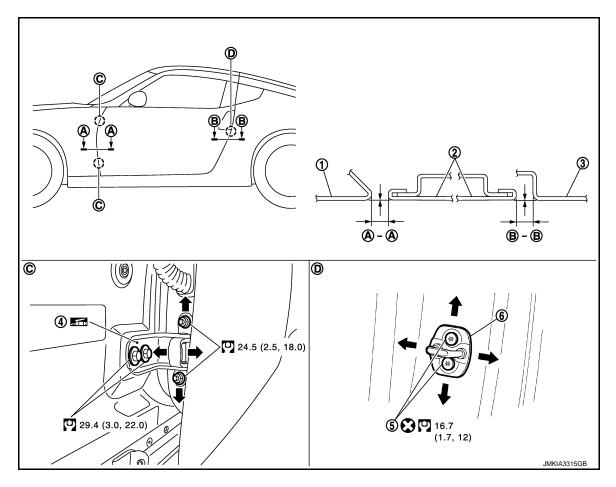
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DOOR ASSEMBLY: Adjustment

INFOID:0000000005240268



Front fender

Door hinge (upper/lower)

- Door panel
- 5. TORX bolt

- Rear fender
- 6. Door striker

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

Check the clearance and surface height between door and each part by seeing and touching. If the clearance and surface height are out of specification, adjust them according to the procedures shown below.

Unit: mm (in)

Portion		Clearance	Surface height
Front fender – Door	A – A	3.0 - 5.0 (0.118 - 0.197)	-1.0 - 1.0 (-0.039 - 0.039)
Door – Rear fender	B – B	3.0 - 5.0 (0.118 - 0.197)	-1.0 - 1.0 (-0.039 - 0.039)

- 1. Remove front fender. Refer to <u>DLK-170, "Removal and Installation"</u>.
- 2. Loosen door hinge mounting nuts on door side.
- 3. Adjust the surface height of door according to the fitting standard dimension.
- 4. Temporarily tighten door hinge mounting nuts on door side.
- 5. Loosen door hinge mounting bolts on body side.
- Raise front at rear end to adjust clearance of the door according to the fitting standard dimension.
- 7. Tighten each bolt and nut to the specified torque. **CAUTION:**
 - Apply anticorrosive agent onto the mounting surface.
 - Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
 - After installation, check door open/close, and lock/unlock operation.

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- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.
- 8. Install front fender. Refer to <u>DLK-170, "Removal and Installation"</u>.

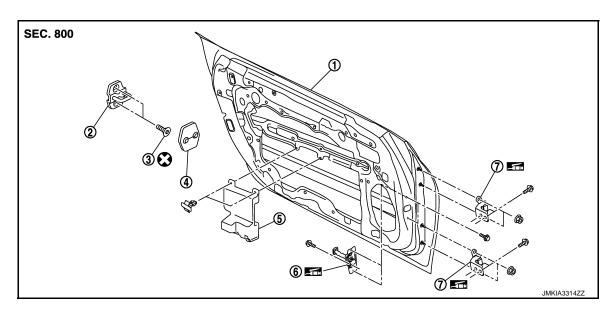
DOOR STRIKER ADJUSTMENT

Adjust door striker so that it becomes parallel with door lock insertion direction.

DOOR STRIKER

DOOR STRIKER: Exploded View

INFOID:0000000005240269



Door panel

- 2. Door striker
- 5. Door pad

- TORX bolt
- Door check link

Door striker cover
 Door hinge (upper/lower)

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

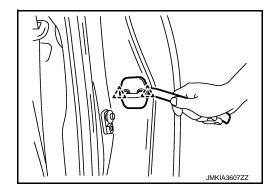
DOOR STRIKER: Removal and Installation

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REMOVAL

1. Remove door striker cover.





2. Remove TORX bolts, and then remove door striker.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to <u>DLK-173, "DOOR ASSEMBLY: Adjust-ment"</u>.

DOOR HINGE

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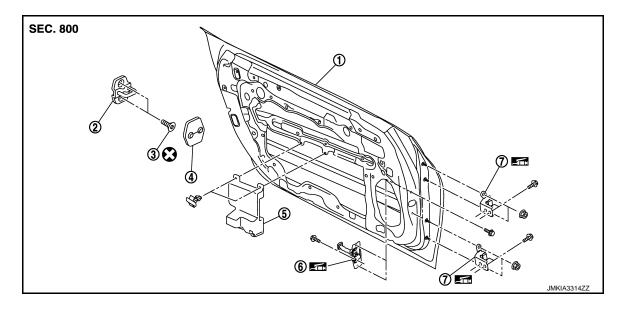
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DOOR HINGE: Exploded View

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1. Door panel

- 2. Door striker
- Door pad

- TORX bolt 3.
- 6. Door check link

Door striker cover 7. Door hinge (upper/lower)

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

DOOR HINGE: Removal and Installation

INFOID:0000000005240272

REMOVAL

4.

- Remove door assembly. Refer to <u>DLK-172</u>, "DOOR ASSEMBLY: Removal and Installation".
- Remove door hinge mounting bolts, and then remove door hinge.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to <u>DLK-173, "DOOR ASSEMBLY: Adjust-</u>
- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.

DOOR CHECK LINK

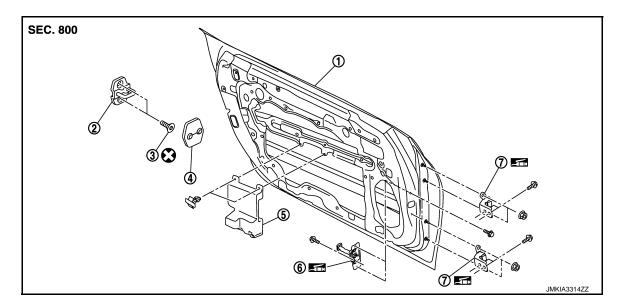
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DLK-175 Revision: 2009 July 2010 370Z DOOR CHECK LINK: Exploded View

INFOID:0000000005240273



- 1. Door panel

Door hinge (upper/lower)

- Door striker cover
- 2. Door striker
- 5. Door pad

- TORX bolt 3.
- 6. Door check link

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

DOOR CHECK LINK: Removal and Installation

INFOID:0000000005240274

REMOVAL

7.

- 1. Remove door finisher. Refer to INT-14, "Removal and Installation".
- 2. Fully close the door window.
- Remove door speaker. Refer to AV-188, "Removal and Installation" (without navigation) or AV-335, 3. "Removal and Installation" (with navigation).
- 4. Remove mounting bolts of door check link on the vehicle.
- 5. Remove mounting bolts of door check link on door panel.
- Take door check link out from the hole of door panel.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

After installation, check door open/close operation.

[COUPE]

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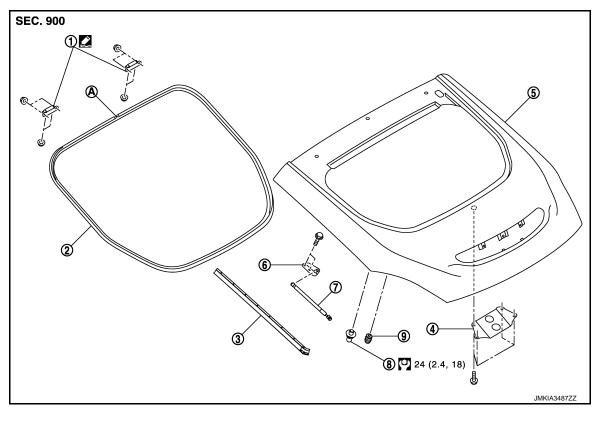
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BACK DOOR

BACK DOOR ASSEMBLY

BACK DOOR ASSEMBLY: Exploded View

INFOID:0000000005240275



- 1. Back door hinge
- 4. Back door damper
- 7. Back door stay
- A : Center mark

- 2. Back door weather-strip
- Back door assembly
- 8. Stud ball

- 3. Back door side seal
- 6. Back door stay bracket
- 9. Back door bumper rubber

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

BACK DOOR ASSEMBLY: Removal and Installation

CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove back door finisher upper. Refer to INT-30, "Removal and Installation".
- 2. Remove luggage side finisher upper (LH/RH). Refer to INT-29, "Removal and Installation".
- 3. Remove rear pillar finisher (LH/RH). Refer to INT-17, "Removal and Installation".
- 4. Remove clips of headlining at rear end. Refer to INT-25, "Removal and Installation".

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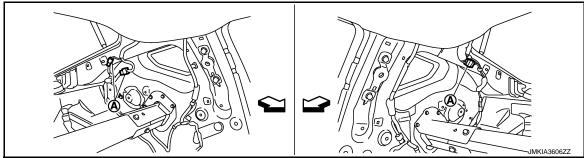
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5. Disconnect back door harness connectors (A) at body side.



- 6. Back door, and then pull harness out of vehicle at roof panel hole.
- 7. Support back door lock with the suitable material to prevent it from falling.

WARNING

Bodily injury may occur if no supporting rod is holding the back door open when removing the back door stay.

- Remove back door stay (LH/RH). Refer to <u>DLK-181, "BACK DOOR STAY: Removal and Installation"</u>.
- 9. Remove back door hinge (LH/RH) mounting nuts on back door and remove back door assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check back door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check back door open/close, lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to <u>DLK-179, "BACK DOOR ASSEMBLY : Adjustment"</u>.

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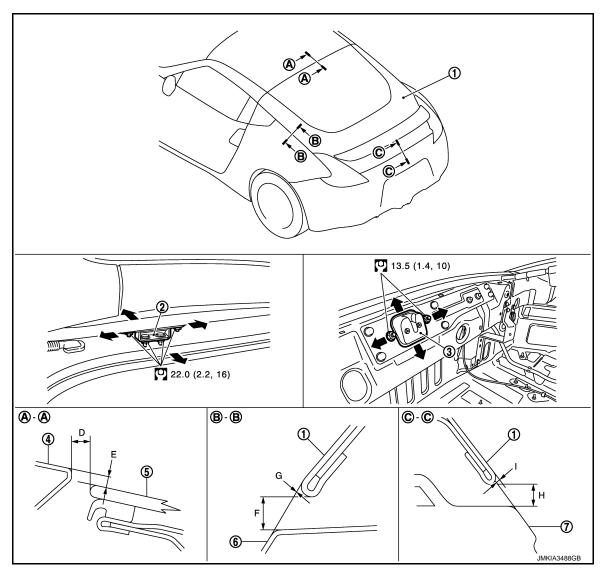
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BACK DOOR ASSEMBLY: Adjustment

INFOID:0000000005240277



Back door assembly

Roof

4.

- 2. Back door hinge
- 5. Back door glass
- 3. Back door lock
- 6. Rear fender

Rear bumper fascia

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

Check the clearance and the surface height between back door and each part by seeing and touching. If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

Unit: mm (in)

Portion			Standard	
Back door – Roof	A – A	D	Clearance	3.0 - 7.0 (0.118 - 0.276)
	A-A	Е	Surface height	-0.1 - 4.1 (-0.004 - 0.161)
Back door – Rear fender	B – B	F	Clearance	3.0 - 7.0 (0.118 - 0.276)
	B-B	G	Surface height	-1.2 - 2.8 (-0.047 - 0.110)
Back door – Rear bumper	C-C	Н	Clearance	3.0 - 7.0 (0.118 - 0.276)
	0-0	I	Surface height	-1.0 - 3.0 (-0.039 - 0.118)

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< REMOVAL AND INSTALLATION >

- Remove back door weather-strip. Refer to <u>DLK-183, "BACK DOOR WEATHER-STRIP: Removal and Installation".</u>
- 2. Remove the luggage rear plate. Refer to INT-29, "Removal and Installation".
- Loosen the back door lock mounting bolts. Raise the back door lock to the top position, and temporarily tighten the back door lock mounting bolts at the position.
- Close the back door lightly and adjust the surface height, then open the back door to finally tighten the back door lock mounting bolts to the specified torque.

CAUTION:

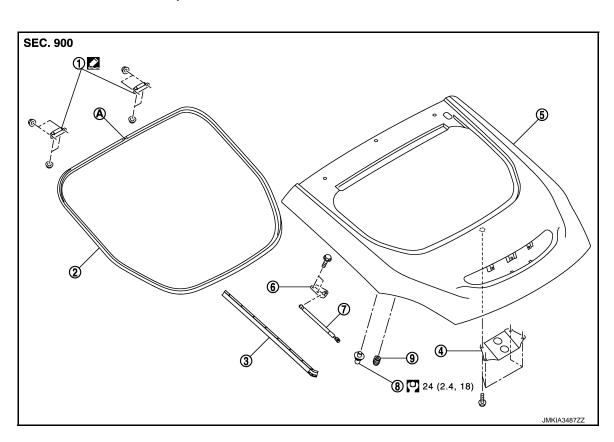
- Check back door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check back door open/close, lock/unlock operation.

BACK DOOR STRIKER ADJUSTMENT

Adjust back door striker so that it becomes parallel with back door lock insertion direction.

BACK DOOR HINGE

BACK DOOR HINGE: Exploded View



- Back door hinge
- 4. Back door damper
- 7. Back door stay
- A : Center mark

- 2. Back door weather-strip
- 5. Back door assembly
- Stud ball

- 3. Back door side seal
- 6. Back door stay bracket
- 9. Back door bumper rubber

BACK DOOR HINGE : Removal and Installation

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

REMOVAL

- Remove back door assembly. Refer to <u>DLK-177</u>, "BACK <u>DOOR ASSEMBLY</u>: Removal and Installation".
- 2. Remove luggage side finisher upper (LH/RH). Refer to INT-29. "Removal and Installation".
- 3. Remove rear pillar finisher (LH/RH). Refer to INT-17, "Removal and Installation".
- Remove clips of headlining at rear end. Refer to <u>INT-25, "Removal and Installation"</u>.

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Remove back door hinge mounting nuts (body side), and then remove back door hinge.

INSTALLATION

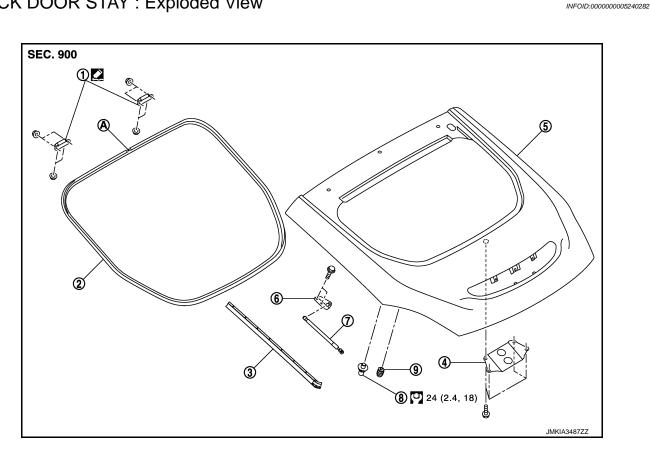
Install in the reverse order of removal.

CAUTION:

- Check back door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check back door open/close, lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to <u>DLK-179, "BACK DOOR ASSEMBLY:</u> Adjustment".

BACK DOOR STAY

BACK DOOR STAY: Exploded View



- Back door hinge
- Back door damper
- 7. Back door stay
- : Center mark

- Back door weather-strip
- Back door assembly
- Stud ball

1. Support back door lock with the suitable material to prevent it from falling.

- Back door side seal 3.
- Back door stay bracket
- Back door bumper rubber

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

BACK DOOR STAY: Removal and Installation

REMOVAL

Bodily injury may occur if no supporting rod is holding the back door open when removing the back door stay.

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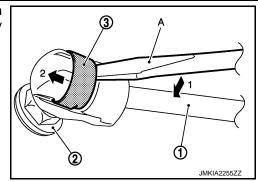
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2010 370Z

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- 2. Remove the metal clip (3) located on the connection between the back door stay (1) and the stud ball (2) (back door side) by using a flat-bladed screwdriver (A).
- 3. Remove back door stay (back door side).



4. In the same way, remove back door stay (body side).

INSTALLATION

Install in the reverse order of removal.

CAUTION:

After installation, check back door open/close operation.

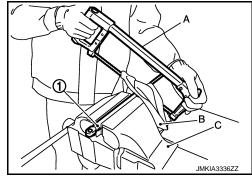
BACK DOOR STAY: Disposal

INFOID:0000000005240284

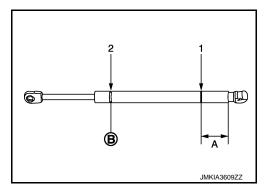
- 1. Fix back door stay (1) using a vise (C).
- 2. Using hacksaw (A) slowly make 2 holes in the back door stay, in numerical order as shown in the figure.

CAUTION:

- When cutting a hole on back door stay, always cover a hacksaw using a shop cloth (B) to avoid scattering metal fragments or oil.
- · Wear eye protection (safety glasses).
- Wear gloves.



A: 20 mm (0.787 in)
B: Cut at the groove.



BACK DOOR WEATHER-STRIP

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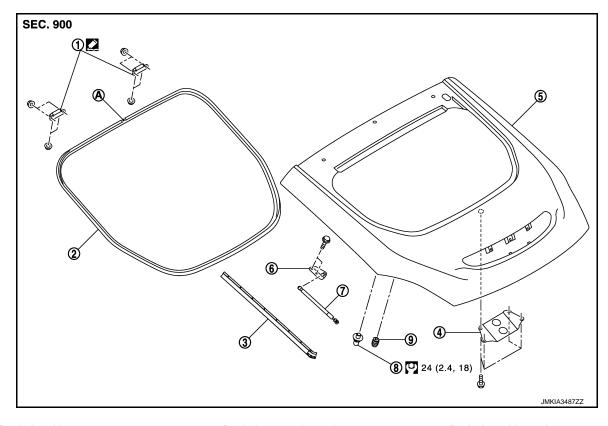
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BACK DOOR WEATHER-STRIP: Exploded View





- Back door hinge
- 4. Back door damper
- Back door stay 7.
- : Center mark

- 2. Back door weather-strip
- 5. Back door assembly
- 8. Stud ball

- 3. Back door side seal
- 6. Back door stay bracket
- 9. Back door bumper rubber

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

BACK DOOR WEATHER-STRIP: Removal and Installation

INFOID:0000000005240286

REMOVAL

Pull up and remove engagement with body from weather-strip joint.

Never pull strongly on weather-strip.

INSTALLATION

- 1. Working from the upper section, align weather-strip center mark with vehicle center position mark and install weather-strip onto the vehicle.
- Pull weather-strip gently to check that a section is not loose.

NOTE:

Check that weather-strip fits tightly in each corner and luggage rear plate.

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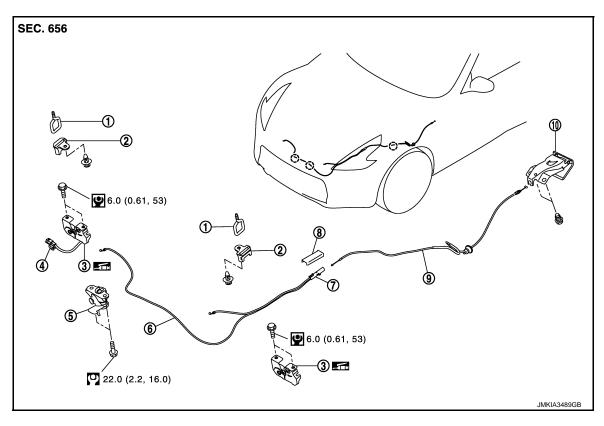
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HOOD LOCK

Exploded View



- 1. Hood striker
- 4. Hood switch
- 7. Hood lock control cable protector
- 2.
- 2. Hood cover5. Secondary latch
 - Hood lock control cable protector cover
- 3. Hood lock
- 6. Hood lock control cable (front)
- 9. Hood lock control cable (rear)

- 10. Hood lock opener
- () : Clip

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

Removal and Installation

INFOID:0000000005240288

REMOVAL

CAUTION:

Before removal, confirm how the hood lock control cable is allocated and connected.

- Remove bumper center upper finisher. Refer to <u>EXT-13, "Exploded View"</u>.
- 2. Remove fender protector (LH). Refer to EXT-25, "FENDER PROTECTOR: Removal and Installation".
- 3. Disconnect hood lock switch (RH side) harness connector.
- 4. Disconnect the hood lock control cable clips on front bumper retainer.
- 5. Remove the hood lock mounting bolts, and disassemble the hood lock from the hood lock bracket (LH/RH). Refer to DLK-167, "Exploded View".
- 6. Remove mounting bolts and remove hood lock bracket (LH/RH).
- 7. Disassembly hood lock from hood lock bracket (LH/RH).

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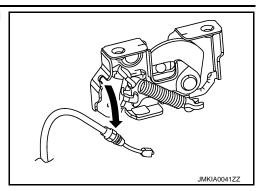
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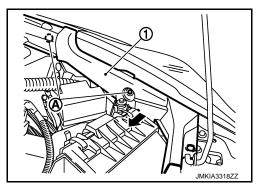
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Disconnect the hood lock control cable (front) from the hood lock.

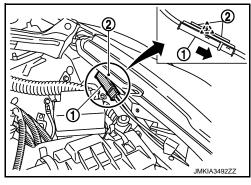


9. Disconnect clip (A) of hood seal assembly (side) (1), and then move toward vehicle inside.

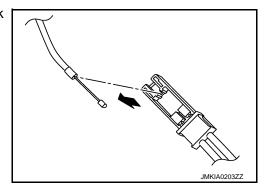


10. Remove the hood lock control cable protector (1) from the head-lamp assembly (2).





- 11. Remove the hood lock control cable cover from hood lock control cable protector.
- 12. Disconnect the hood lock control cable (rear) from hood lock control cable protector.



- 13. Remove hood lock control cable from hood lock opener.
- 14. Remove the grommet on the dash-board, and pull the hood lock control cable (rear) toward the passenger compartment.

CAUTION:

While pulling, never damage (peeling) the outside of the hood lock control cable.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

• Never bend cable too much. Keep the radius 100 mm (3.937 in) or more.

Revision: 2009 July **DLK-185** 2010 370Z

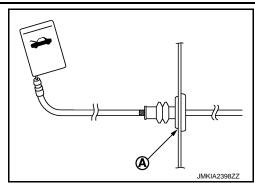
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• Check cable is not offset from the positioning grommet, and apply the sealant to the grommet (A) normally.



- Check that hood lock control cable is normally engaged with hood lock.
- After installation, perform the fitting adjustment. Refer to <u>DLK-163</u>, "HOOD ASSEMBLY: Adjustment".
- After installation, perform the inspection. Refer to <u>DLK-186</u>, "Inspection".

Inspection INFOID:000000005240289

NOTE:

If the hood lock cable is bent or deformed, replace it.

- 1. Check that secondary latch is normally engaged with secondary striker [6.8 mm (0.268 in)] by hood weight.
- 2. While operating hood opener, carefully check that the front end of hood is raised by approximately 20 mm (0.787 in). Also check that hood opener returns to the original position.
- 3. Check that hood opener operating is condition 49 N (5.0 kg, 11.0 lb) or less.
- 4. Install so that static closing force of hood is 94 490 N (9.6 50.0 kg, 21.1 110 lb). **NOTE:**
 - Exert vertical force on right side and left side of hood lock.
 - Do not simultaneously press both sides.
- 5. Check the hood lock lubrication condition. If necessary, apply body grease to hood lock.

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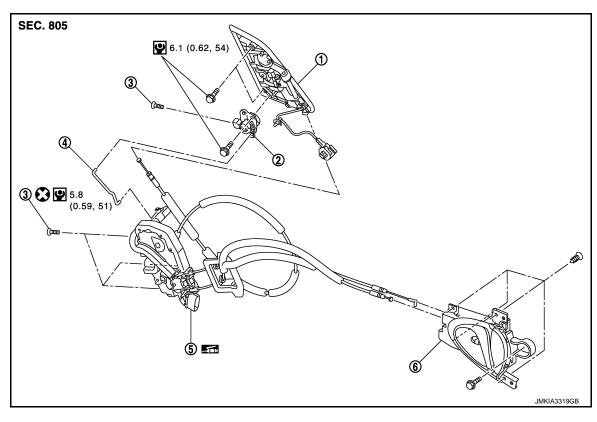
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DOOR LOCK

DOOR LOCK: Exploded View

INFOID:0000000005240290



Outside handle

- Door key cylinder assembly (driver 3. TORX bolt side)
- 4. Key rod (driver side)
- 5. Door lock assembly
- 6. Inside handle

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

DOOR LOCK: Removal and Installation

INFOID:0000000005240291

REMOVAL

- 1. Remove door finisher. Refer to INT-14, "Removal and Installation".
- 2. Remove door glass. Refer to GW-20, "Removal and Installation".
- 3. Remove door module assembly. Refer to GW-23, "Removal and Installation".
- 4. Disconnect key rod (driver side) and outside handle cable from outside handle assembly.
- Remove door lock assembly TORX bolts.
- 6. Disconnect door lock actuator connector, and then remove door lock assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check that door lock cables are normally engaged with inside handle and outside handle.
- · When installing key rod, rotate key rod holder until a click is felt.
- After installation, check door open/close, and lock/unlock operation.

INSIDE HANDLE

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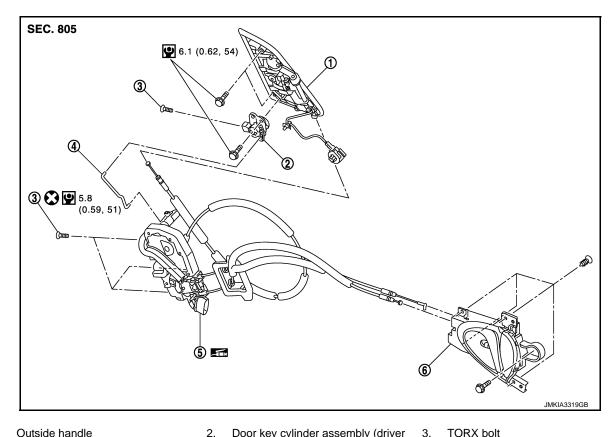
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Revision: 2009 July **DLK-187** 2010 370Z

INSIDE HANDLE: Exploded View

INFOID:0000000005240292



Outside handle

- Door key cylinder assembly (driver side)
- Key rod (driver side) Door lock assembly
- Inside handle

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

INSIDE HANDLE: Removal and Installation

INFOID:0000000005240293

REMOVAL

- Remove door finisher. Refer to INT-14, "Removal and Installation".
- Remove inside handle mounting screws, and then remove the inside handle.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check that door lock cables are normally engaged with inside handle.
- After installation, check door open/close, and lock/unlock operation.

OUTSIDE HANDLE

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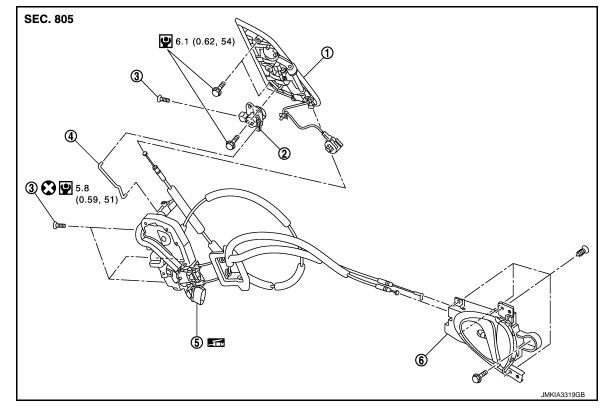
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OUTSIDE HANDLE: Exploded View

INFOID:0000000005240294



1. Outside handle

- 2. Door key cylinder assembly (driver side)
- 3. TORX bolt

- 4. Key rod (driver side)
- 5. Door lock assembly
- 6. Inside handle

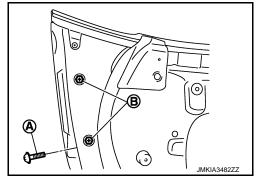
Refer to GI-4, "Components" for symbols in the figure.

OUTSIDE HANDLE: Removal and Installation

INFOID:0000000005240295

REMOVAL

- Remove door finisher. Refer to <u>INT-14, "Removal and Installation"</u>.
- Remove door glass. Refer to <u>GW-20</u>, "<u>Removal and Installation</u>".
- 3. Remove door module assembly. Refer to GW-23, "Removal and Installation".
- 4. Disconnect key rod (driver side) and outside handle cable.
- 5. Disconnect door request switch connector, and then disconnect harness clamp.
- Remove TORX bolt (A) from door key cylinder assembly (driver side).
- 7. Remove door side grommet, and then remove outside handle mounting bolts (B) through grommet hole.



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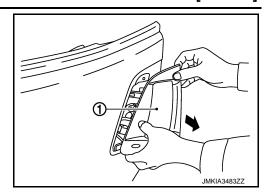
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Pull and remove outside handle assembly (1).



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- When installing key rod, rotate key rod holder until a click is felt.
- Check that door lock cable is normally engaged with outside handle.
 After installation, check door open/close, and lock/unlock operation.

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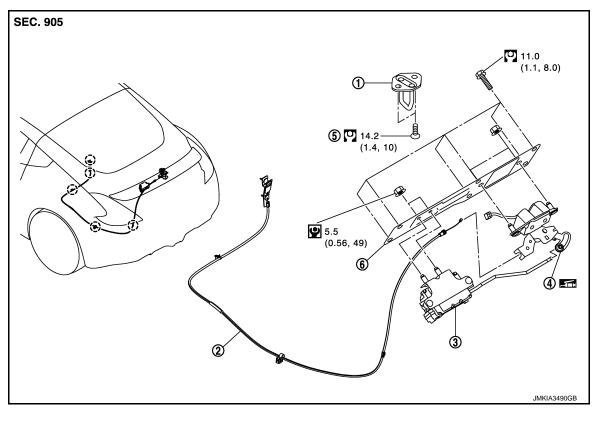
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BACK DOOR LOCK BACK DOOR LOCK

BACK DOOR LOCK: Exploded View

INFOID:0000000005240296



- 1. Back door striker
- Back door lock

- 2. Inside handle assembly
- 5. TORX bolt

- 3. Back door opener actuator
- 6. Back door lock and actuator bracket

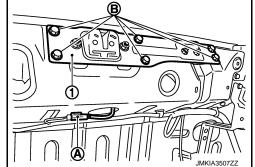
Refer to GI-4, "Components" for symbols in the figure.

BACK DOOR LOCK: Removal and Installation

REMOVAL

(_) : Clip

- 1. Remove back door weather-strip. Refer to <u>DLK-183, "BACK DOOR WEATHER-STRIP: Removal and Installation".</u>
- Remove luggage rear plate. Refer to <u>INT-29. "Removal and Installation"</u>.
- Disconnect harness connector (A) of back door lock and remove the harness clip.
- 4. Remove mounting bolts (B) of back door lock and actuator bracket (1).



5. Disconnect connector of back door opener actuator.

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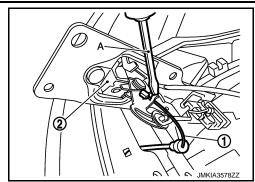
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INFOID:0000000005570208

6. Using a flat-bladed screwdriver (A) disconnect inside handle cable (1) from back door lock (2).



- 7. Remove back door lock and actuator bracket assembly.
- 8. Disconnect back door lock and back door opener actuator from back door lock and actuator bracket.
- 9. Remove following parts. Refer to INT-29, "Removal and Installation".
 - Luggage floor carpet assembly
 - Spare tire cover
 - Luggage side finisher upper LH
 - Luggage floor spacer center rear (without BOSE audio)
 - Luggage spacer
 - Luggage side box assembly LH
 - Luggage rear plate
 - Woofer (with BOSE audio)
- 10. Remove clips and remove inside handle assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

After installation, check back door open/close, lock/unlock operation.

BACK DOOR STRIKER

BACK DOOR STRIKER: Exploded View

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BACK DOOR LOCK

< REMOVAL AND INSTALLATION >

[COUPE]

1.	Back door striker	2.	Inside handle assembly	3.	Back door opener actuator	Α
4.	Back door lock	5.	TORX bolt	6.	Back door lock and actuator bracket	

() : Clip

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

BACK DOOR STRIKER: Removal and Installation

INFOID:0000000005570205

REMOVAL

- 1. Remove back door finisher lower. Refer to INT-30, "Removal and Installation".
- 2. Remove mounting bolts, and then remove back door striker.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installation, check back door open/close, lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to DLK-179, "BACK DOOR ASSEMBLY: Adjustment".

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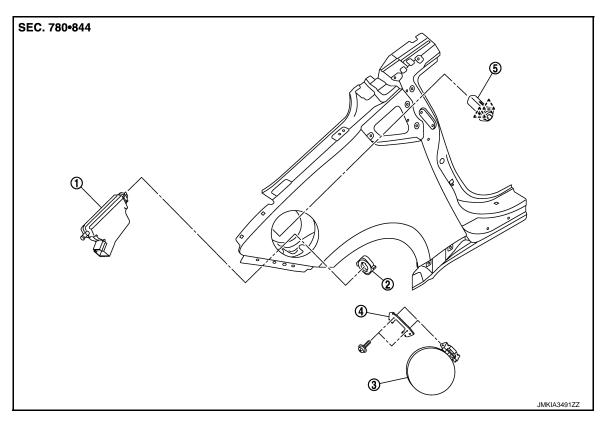
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FUEL FILLER LID OPENER

Exploded View



- 1. Fuel filler lid opener actuator
- 2. Lock nut

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- Lock and rod assembly
- 3. Fuel filler lid assembly

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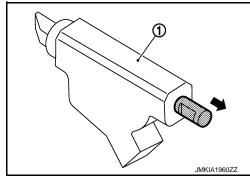
Cover

Removal and Installation

INFOID:0000000005240299

NOTE:

When fuel filler lid lock actuator (1) is a defective operation, pull the rod to open fuel filler lid.



REMOVAL

- 1. Remove luggage side finisher upper (RH). Refer to INT-29, "Removal and Installation".
- 2. Pull and remove lock and rod assembly forward, while pushing the pawls.
- 3. Rotate lock nut counterclockwise, and then remove lock nut.
- 4. Push fuel filler lid opener actuator behind the vehicle, while pushing the pawl.
- 5. Disconnect harness connector and remove fuel filler lid opener actuator.
- 6. Remove mounting screws, and then remove fuel filler lid.

FUEL FILLER LID OPENER [COUPE] < REMOVAL AND INSTALLATION > **INSTALLATION** Install in the reverse order of removal. DLK

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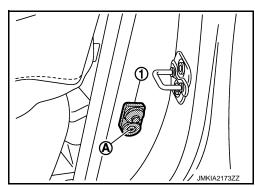
DOOR SWITCH

Removal and Installation

INFOID:0000000005240301

REMOVAL

1. Remove the door switch mounting screw (A), and then remove door switch (1).



INSTALLATION

Install in the reverse order of removal.

BACK DOOR OPENER SWITCH ASSEMBLY

< REMOVAL AND INSTALLATION >

[COUPE]

BACK DOOR OPENER SWITCH ASSEMBLY

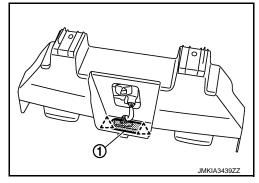
Removal and Installation

INFOID:0000000005240303

REMOVAL

- 1. Remove the license plate lamp bracket. Refer to EXT-17, "Removal and Installation".
- 2. Remove the back door opener switch assembly (1), and then remove pawl.





INSTALLATION

Install in the reverse order of removal.

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INSIDE KEY ANTENNA

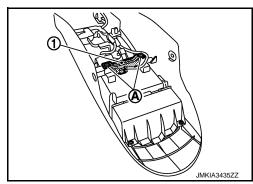
CONSOLE

CONSOLE: Removal and Installation

INFOID:0000000005240305

REMOVAL

- 1. Remove the center console assembly. Refer to IP-24, "Removal and Installation".
- 2. Remove the inside key antenna mounting screw (A), and then remove inside key antenna (console) (1).



INSTALLATION

Install in the reverse order of removal.

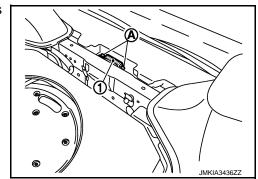
LUGGAGE ROOM

LUGGAGE ROOM: Removal and Installation

INFOID:0000000005240307

REMOVAL

- Remove the luggage floor finisher front. Refer to INT-29, "Removal and Installation".
- 2. Remove the inside key antenna (luggage room) mounting clips (A), and then remove inside key antenna (luggage room) (1).



INSTALLATION

Install in the reverse order of removal.

OUTSIDE KEY ANTENNA

< REMOVAL AND INSTALLATION >

[COUPE]

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OUTSIDE KEY ANTENNA

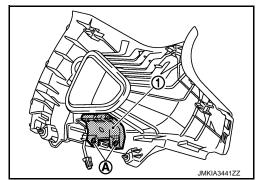
LH

LH: Removal and Installation

INFOID:0000000005240309

REMOVAL

- 1. Remove the rear pillar finisher LH. Refer to INT-17, "Removal and Installation".
- 2. Remove the outside key antenna mounting screw (A), and then remove outside key antenna LH (1).



NOTE:

The same procedure is also performed for RH.

INSTALLATION

Install in the reverse order of removal.

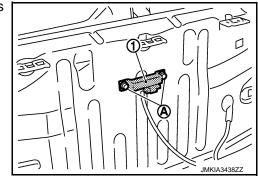
REAR BUMPER

REAR BUMPER: Removal and Installation

INFOID:0000000005240311

REMOVAL

- 1. Remove the rear bumper. Refer to EXT-17, "Removal and Installation".
- 2. Remove the outside key antenna (rear bumper) mounting clips (A), and then remove outside key antenna (rear bumper) (1).



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INSTALLATION

Install in the reverse order of removal.

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INTELLIGENT KEY WARNING BUZZER

< REMOVAL AND INSTALLATION >

[COUPE]

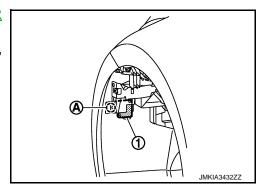
INTELLIGENT KEY WARNING BUZZER

Removal and Installation

INFOID:0000000005240313

REMOVAL

- 1. Remove the fender protector LH. Refer to <u>EXT-25</u>, <u>"FENDER PROTECTOR: Removal and Installation"</u>.
- 2. Remove the Intelligent Key warning buzzer mounting bolt (A), and then remove the Intelligent Key warning buzzer (1).



INSTALLATION

Install in the reverse order of removal.

REMOTE KEYLESS ENTRY RECEIVER

< REMOVAL AND INSTALLATION >

[COUPE]

REMOTE KEYLESS ENTRY RECEIVER

Removal and Installation

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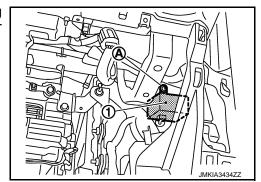
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REMOVAL

- 1. Remove the instrument lower panel RH. Refer to IP-13, "Removal and Installation".
- 2. Remove the remote keyless entry receiver (front) mounting screw (A), and then remove remote keyless entry receiver (front) (1).



INSTALLATION

Install in the reverse order of removal.

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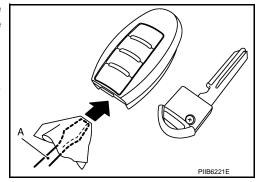
INTELLIGENT KEY BATTERY

Removal and Installation

- Release the lock knob at the back of the Intelligent Key and remove the mechanical key.
- Insert a flat-bladed screwdriver (A) wrapped with a cloth into the slit of the corner and twist it to separate the upper part from the lower part.

CAUTION:

- Never touch the circuit board or battery terminal.
- The key fob is water-resistant. However, if it does get wet, immediately wipe it dry.



3. Replace the battery with new one.

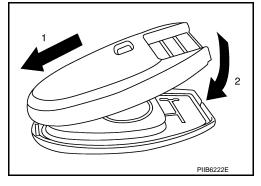
Battery replacement

:Coin-type lithium battery (CR2032)

4. Align the tips of the upper and lower parts, and then push them together until it is securely closed.

CAUTION:

- When replacing battery, keep dirt, grease, and other foreign materials off the electrode contact area.
- After replacing the battery, check that all Intelligent Key functions work normally.



PRECAUTIONS

[ROADSTER] < PRECAUTION >

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

FOR USA AND CANADA: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000005568550

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.

FOR USA AND CANADA: Precaution Necessary for Steering Wheel Rotation after Battery Disconnect INFOID:0000000005568551

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

- 2. Turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- Perform the necessary repair operation.

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PRECAUTIONS

< PRECAUTION > [ROADSTER]

5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)

Perform self-diagnosis check of all control units using CONSULT-III.

FOR USA AND CANADA: Precaution for Battery Service

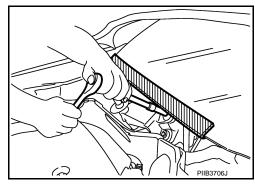
INFOID:0000000005568552

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 USA AND CANADA: Precaution for Procedure without Cowl Top Cover

INFOID:0000000005568553

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



FOR USA AND CANADA: Precaution for Work

INFOID:0000000005568554

- 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:

- 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.

PRECAUTIONS

< PRECAUTION > [ROADSTER]

FOR MEXICO: Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work.
 If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

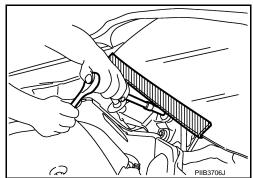
- 2. Turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- Perform the necessary repair operation.
- 5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
- 6. Perform self-diagnosis check of all control units using CONSULT-III.

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: 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.



FOR MEXICO: Precaution for Work

- 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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< PREPARATION > [ROADSTER]

PREPARATION

PREPARATION

Special Service Tools

INFOID:0000000005396078

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

T (Ke	Description	
(J-39570) Chassis ear	SIIA0993E	Locates the noise
(J-43980) NISSAN Squeak and Rat- tle Kit	SIIA0994E	Repairs the cause of noise

Commercial Service Tools

INFOID:0000000005396079

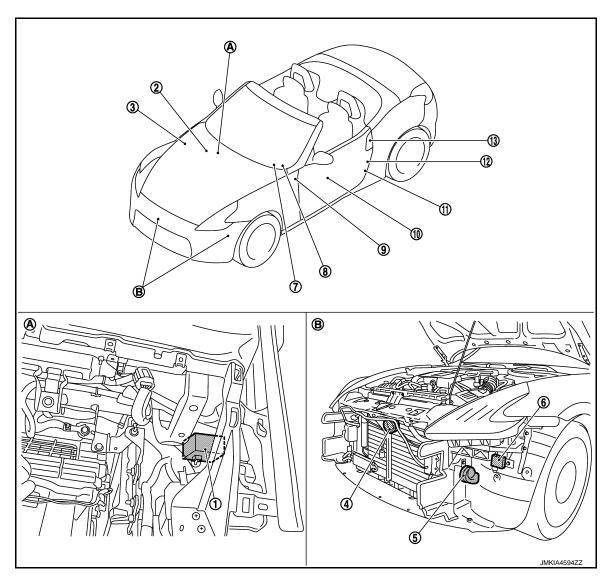
	Tool name	Description
Engine ear	SIIA0995E	Locates the noise
Remover tool	JMKIA3050ZZ	Removes the clips, pawls, and metal clips
Power tool	PIIB1407E	

SYSTEM DESCRIPTION

COMPONENT PARTS DOOR LOCK

DOOR LOCK: Component Parts Location

INFOID:0000000005396082



- Remote keyless entry receiver (front)
- 4. Horn (low)
- 7. Push-button ignition switch (push switch)
- 10. Door lock and unlock switch
- 13. Driver side door request switch
- A. Dash side lower (passenger side)
- BCM
 Refer to BCS-9, "Component Parts Location"
- 5. Horn (high)
- 8. Combination meter
- 11. Driver side door switch
- B. View with front bumper removed
- IPDM E/R
 Refer to PCS-6, "Component Parts
 Location"
- 6. Intelligent Key warning buzzer
- 9. Key slot
- 12. Driver side door lock assembly

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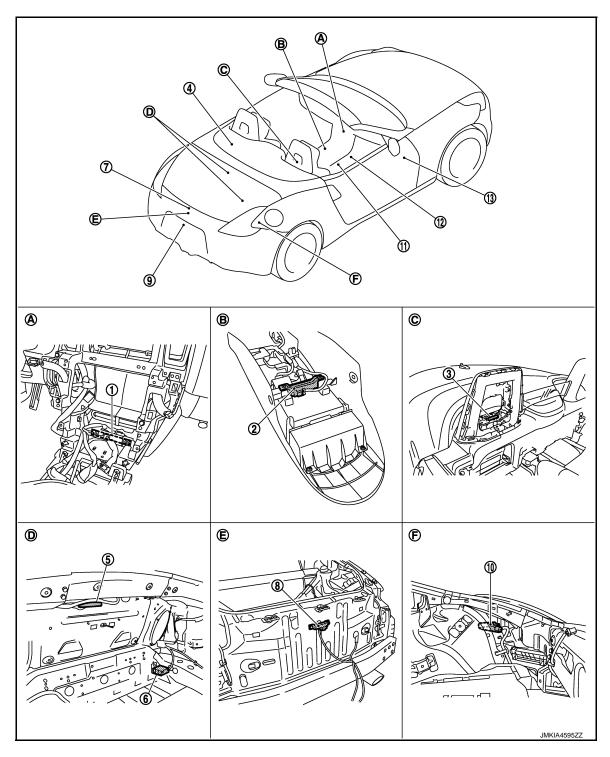
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- Inside key antenna (instrument cen- 2. ter)
- Soft top control unit 4. Refer to RF-12, "Component Parts Location"
- Trunk lid lock assembly
- 10. Fuel lid lock actuator

- Inside key antenna (console)
- Inside key antenna (trunk room) 5.
- Outside key antenna (rear bumper)
- 11. A/T shift selector* (detention switch) 12. Refer to SEC-13, "Component Parts Location"
- 3. Outside key antenna RH
- Remote keyless entry receiver (rear) 6.
- Trunk lid opener switch assembly
 - TCM* Refer to TM-153, "Component Parts Location"
- 13. Trunk lid opener cancel switch

COMPONENT PARTS

< SYSTEM DESCRIPTION >

[ROADSTER]

A.	View with audio unit removed	B.	View with center console assembly removed	C.	View with guard frame protector front removed	А
D.	View with trunk room	E.	View with rear bumper removed	F.	View with trunk side finisher RH removed	

*: With A/T models

DOOR LOCK: Component Description

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Item	Function	
BCM	Controls the door lock system	
IPDM E/R	Sounds horn and blinks headlamp via CAN communication between BCM	
Soft top control unit	Controls the soft top system	
TCM*	Transmits shift position signal to BCM via CAN communication line	
Door lock and unlock switch	Refer to DLK-210, "Door Lock And Unlock Switch"	
Door key cylinder switch	Refer to DLK-210, "Door Key Cylinder Switch"	
Door lock actuator	Refer to DLK-209, "Door Lock Actuator"	
Trunk lid opener actuator	Refer to DLK-210, "Trunk Lid Opener Actuator"	
Fuel lid lock actuator	Refer to DLK-209, "Fuel Lid Lock Actuator"	
Intelligent Key	Refer to DLK-210, "Intelligent Key"	
Remote keyless entry receiver	Refer to DLK-210, "Remote Keyless Entry Receiver"	
Door request switch	Refer to DLK-210, "Door Request Switch"	
Trunk lid opener switch	Refer to DLK-210, "Trunk Lid Opener Switch"	
Trunk lid opener cancel switch	Refer to DLK-210, "Trunk Lid Opener Cancel Switch"	
Key slot	Refer to DLK-210, "Key Slot"	
Door switch	Refer to DLK-210, "Door Switch"	
Outside key antenna	Refer to DLK-210, "Outside Key Antenna"	
Inside key antenna	Refer to DLK-210, "Inside Key Antenna"	
Unlock sensor	Refer to DLK-210, "Unlock Sensor"	
A/T shift selector (detention switch)*	Refer to SEC-13, "Component Parts Location"	
Combination meter	Refer to DLK-211, "Combination Meter"	
Push-button ignition switch	Refer to SEC-13, "Component Parts Location"	
Intelligent Key warning buzzer	Refer to DLK-211, "Intelligent Key Warning Buzzer"	
Hazard warning lamp	Refer to DLK-211, "Hazard Warning Lamp"	

^{*:} With A/T models

INTEGRATED HOMELINK TRANSMITTER

INTEGRATED HOMELINK TRANSMITTER: Component Description

INFOID:0000000005396086

Item	Function
Integrated homelink transmitter	A maximum of 3 radio signals can be stored and transmitted to operate the garage door, etc

Door Lock Actuator

Inputs lock/unlock signal from BCM and locks/unlocks each door

Fuel Lid Lock Actuator

INFOID:0000000005396088

INFOID:0000000005396087

Inputs lock/unlock signal from BCM and lock/unlocks fuel filler lid

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COMPONENT PARTS

[ROADSTER] < SYSTEM DESCRIPTION > Trunk Lid Opener Actuator INFOID:000000005474024 Opens trunk lid by signal from BCM via soft top control unit. Intelligent Key INFOID:0000000005396090 The following functions are available when having and carrying electronic ID. Door lock/unlock Engine start Remote control entry function is available when operating on button. Remote Keyless Entry Receiver INFOID:0000000005396091 Installed in the dash side lower (passenger side) and trunk room. Receives Intelligent Key operation and transmits to BCM. Outside Key Antenna INFOID:0000000005396092 Detects whether Intelligent Key is outside the vehicle. Integrated in guard frame protector (LH and RH) and installed in rear bumper. Inside Key Antenna INFOID:0000000005396093 Detects whether Intelligent Key is inside the vehicle Installed in the instrument center, console and trunk room. Door Lock And Unlock Switch INFOID:0000000005396094 Transmits door lock/unlock operation to BCM. Door Request Switch INFOID:0000000005396095 Transmits door lock/unlock operation to BCM. Trunk Lid Opener Switch INFOID:0000000005474022 Transmits trunk lid open signal to BCM. Trunk Lid Opener Cancel Switch INFOID:0000000005474021 Cancels trunk lid open operation. Door Key Cylinder Switch INFOID:0000000005396097 Built-in driver side door lock assembly. Inputs door key cylinder lock/unlock signal to power window main switch. Power window main switch transmits door key cylinder lock/unlock signal to BCM. Door Switch INFOID:0000000005396098 Detects door open/close condition. Unlock Sensor INFOID:0000000005396099 Detects door lock condition of driver side door. Trunk Room Lamp Switch INFOID:0000000005474023 It detects engagement of trunk lid lock assembly and trunk lid striker. **Key Slot** INFOID:0000000005396100

Detects whether Intelligent Key is inserted.

Immobilizer antenna amp checks Intelligent Key transponder.

Blinks when Intelligent Key insertion is required.

COMPONENT PARTS [ROADSTER] < SYSTEM DESCRIPTION > **Combination Meter** INFOID:0000000005396101 Α • Displays each operation method guide and warning for system malfunction. • Performs operation method guide and warning with buzzer. • Transmits vehicle speed signal to BCM via CAN communication line. В Hazard Warning Lamp INFOID:0000000005396102 Performs answer-back for each operation with number of blinks. Intelligent Key Warning Buzzer INFOID:0000000005396103 Answers back and warns for an inappropriate operation. D Е F Н J DLK M Ν 0

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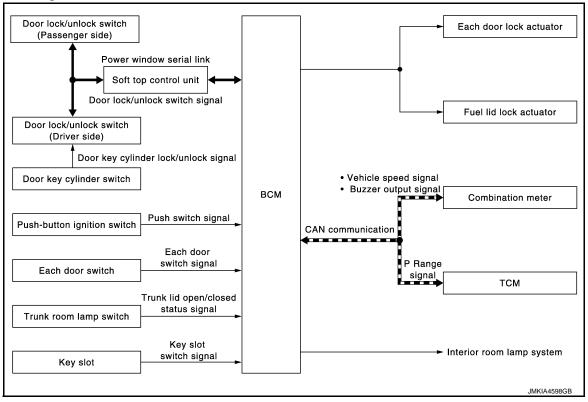
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[ROADSTER]

SYSTEM (POWER DOOR LOCK SYSTEM)

System Diagram

INFOID:0000000005396104



System Description

INFOID:0000000005396105

DOOR LOCK FUNCTION

Door Lock and Unlock Switch

- The door lock and unlock switch (driver side) is build into power window main switch.
- The door lock and unlock switch (passenger side) is build into power window sub-switch.
- Interlocked with the locking operation of door lock and unlock switch, door lock actuators of all doors and fuel lid lock actuator are locked.
- Interlocked with the unlocking operation of door lock and unlock switch, door lock actuators of all doors and fuel lid lock actuator are unlocked.

Door Key Cylinder Switch

- With the door key inserted in the door key cylinder on driver side, turning it to "LOCK", locks door lock actuator of all doors and fuel lid lock actuator.
- With the door key inserted in the door key cylinder on driver side, turning it to "UNLOCK" once unlocks the
 driver side door and fuel lid lock actuator, turning it to "UNLOCK" again within 60 seconds after the first
 unlock operation unlocks all of the other doors actuator. (SELECTIVE UNLOCK OPERATION)

Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to DLK-231, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)".

KEY REMINDER FUNCTION

When door lock and unlock switch are operated while Intelligent Key is inserted into key slot any door or trunk lid is open, door locks once but immediately unlocks. This operation prevents Intelligent Key from being left in the vehicle.

DOOR KEY CYLINDER SWITCH POWER WINDOW FUNCTION

Driver side door key cylinder LOCK/UNLOCK operation can activate driver side and passenger side power window UP/DOWN operation. Refer to PWC-9, "System Description".

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (LOCK OPERATION)

SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >

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The interlock door lock function is the function that locks all doors linked with the vehicle speed or shift position. It has 2 types as per the following items.

Vehicle Speed Sensing Auto Door Lock*1

All doors are locked when the vehicle speed reaches 24 km/h (15 MPH) or more.

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is turned ON, all doors are closed and the vehicle speed received from the combination meter via CAN communication becomes 24 km/h (15 MPH) or more.

P Range Interlock Door Lock*2

All doors are locked when shifting the selector lever from the P position to any position other than P.

BCM outputs the lock signal to all door lock actuators when it detects that the ignition switch is in the ON position and the shift signal received from the TCM via CAN communication is shifted from the P position to any position other than P.

Setting change of Automatic Door Lock/Unlock Function

The lock operation setting of the automatic door lock/unlock function can be changed.

NOTE:

P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

(P) With CONSULT-III

The ON/OFF switching of the automatic door lock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT-III.

Without CONSULT- III

The automatic door lock function ON/OFF can be switched by performing the following operation.

- 1. Close all doors (door switch OFF)
- 2. Turn ignition switch ON

 $OFF \rightarrow ON$

- 3. Press and hold the door lock and unlock switch for 5 seconds or more in the lock direction within 20 seconds after turning the ignition switch ON.
- The switching is complete when the hazard lamp blinks.

 $ON \rightarrow OFF$: 1 blink

*1: This function is set to ON before delivery.

*2: This function does not operate on M/T models.

: 2 blinks

AUTOMATIC DOOR LOCK/UNLOCK FUNCTION (UNLOCK OPERATION)

The automatic door lock/unlock function is the function that unlocks all doors linked with the key position or shift position. It has 2 types as per the following items.

IGN OFF Interlock Door Unlock*1

All doors are unlocked when the power supply position is changed from ON to OFF.

BCM outputs the unlock signal to all door lock actuators when it detects that the power supply position is changed from ignition switch ON to OFF.

P Range Interlock Door Unlock*2

All doors are unlocked when shifting the selector lever from any position other than the P to P position.

BCM outputs the unlock signal to all door lock actuators when it detects that the ignition switch is in the ON position and the shift signal received from TCM via CAN communication is shifted from any position other than the P to P position.

Setting change of Automatic Door Lock/Unlock Function

The unlock operation setting of the automatic door lock/unlock function can be changed.

NOTE:

P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

(P) With CONSULT- III

The ON/OFF switching of the automatic door lock/unlock function and the type selection of the automatic door lock/unlock function can be performed at the WORK SUPPORT setting of CONSULT-III.

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Without CONSULT- III

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SYSTEM (POWER DOOR LOCK SYSTEM)

< SYSTEM DESCRIPTION >

[ROADSTER]

The automatic door lock/unlock function ON/OFF can be switched by performing the following operation.

- 1. Close all doors below (door switch OFF)
- 2. Turn ignition switch ON
- 3. Press and hold the door lock and unlock switch for 5 seconds or more in the unlock direction within 20 seconds after turning the ignition switch ON.
- 4. The switching is complete when the hazard lamp blinks.

 $OFF \rightarrow ON$: 2 blinks $ON \rightarrow OFF$: 1 blink

INTERIOR ROOM LAMP CONTROL FUNCTION

Interior room lamp is controlled according to door lock/unlock state, refer to INL-11, "INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description".

^{*1:} This function is set to ON before delivery.

^{*2:} This function does not operate on M/T models.

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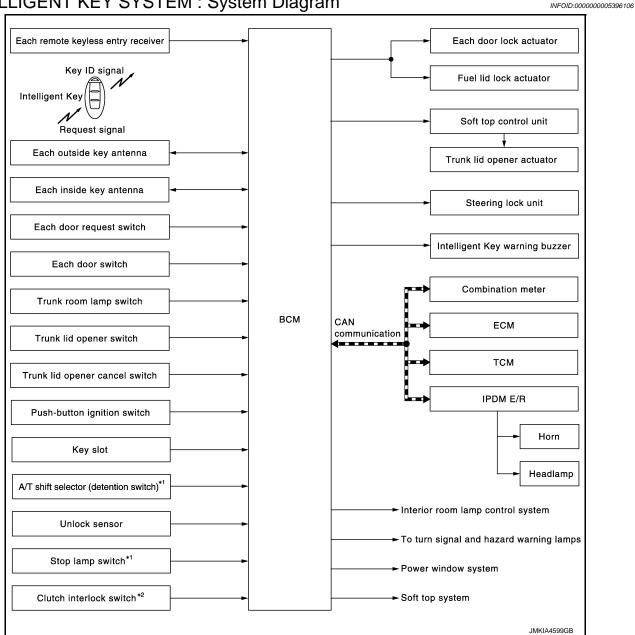
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SYSTEM (INTELLIGENT KEY SYSTEM) INTELLIGENT KEY SYSTEM

INTELLIGENT KEY SYSTEM: System Diagram



^{*1:} With A/T models

INTELLIGENT KEY SYSTEM: System Description

 The Intelligent Key system is a system that makes it possible to lock and unlock the door locks (door lock/ unlock function) by carrying the Intelligent Key, which operates based on the results of electronic ID verification using two-way communication between the Intelligent Key and the vehicle (BCM). **CAUTION:**

The driver should always carry the Intelligent Key

- The settings for each function can be changed with CONSULT-III.
- If an Intelligent Key is lost, a new Intelligent Key can be registered. A maximum of 4 Intelligent Keys can be registered.
- It is possible to perform a diagnosis on the system and register an Intelligent Key with CONSULT-III.

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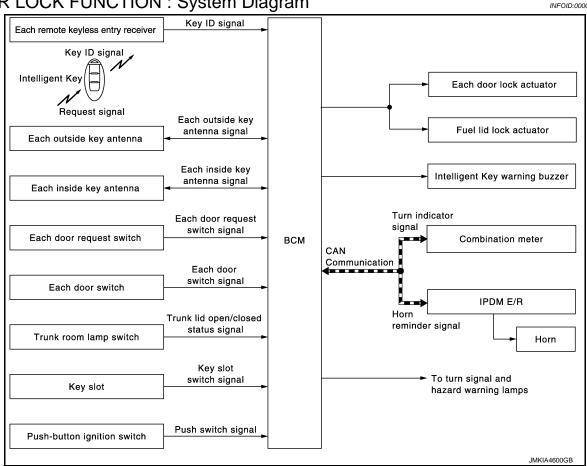
^{*2:} With M/T models

Function	Description	Refer
Door lock function	Lock/unlock can be performed by pressing the door request switch	DLK-217
Remote keyless entry function	Lock/unlock can be performed by pressing the button of the Intelligent Key	DLK-221
Trunk open function	The trunk lid can be opened by carrying the Intelligent Key and pressing the trunk lid opener switch	DLK-219
Key reminder function	The key reminder buzzer sounds a warning if the door is locked with the key left inside the vehicle	DLK-223
Warning function	If an action that does not meet the operating condition of the Intelligent Key system is taken, the buzzer goes off to inform the drive	DLK-223
Engine start function	The engine can be turned on while carrying the Intelligent Key	SEC-10
Panic alarm function	When Intelligent Key panic alarm button is pressed, horn sounds and headlamp blinks	SEC-21
Interior room lamp control function	Interior room lamp is controlled according to door lock/unlock state	INL-9
Power window function	Power window can be operated by Intelligent Key button operation	PWC-9
Soft top function	Soft top system can be operated by door request switch operation	<u>RF-17</u>

DOOR LOCK FUNCTION

DOOR LOCK FUNCTION: System Diagram

INFOID:0000000005396108



< SYSTEM DESCRIPTION >

[ROADSTER]

DOOR LOCK FUNCTION: System Description

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Only when pressing the door request switch, it is possible to lock and unlock the door by carrying the Intelligent Key.

OPERATION DESCRIPTION

 When the BCM detects that each door request switch is pressed, it starts the outside key antenna and inside key antenna corresponding to the pressed door request switch and transmits the request signal to the Intelligent Key. Then, check that the Intelligent Key is near the door.

 If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.

- BCM receives the key ID signal and compares it with the registered key ID.
- BCM lock/unlock each door and fuel lid and sounds Intelligent Key warning buzzer (lock: 2 times, unlock: 1 time) at the same time as a reminder.

NOTE:

All doors unlock when soft top opening operation is performed by door request switch operation. But hazard and buzzer reminder function does not operate.

For soft top system, refer to RF-17, "SOFT TOP SYSTEM: Door Request Switch Control".

OPERATION CONDITION

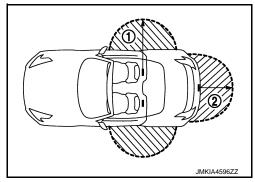
If the following conditions are satisfied, door lock/unlock operation is performed if the door request switch is operated.

Each door request switch operation	Operation condition					
Lock operation	 All doors are closed Trunk lid is closed P position warning is not activated Panic alarm is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area Soft top is not operated by door request switch operation 					
Unlock operation	 Panic alarm is not activated Intelligent Key is outside the vehicle Intelligent Key is within outside key antenna detection area* Soft top is not operated by door request switch operation 					

^{*:} Even with a registered Intelligent Key remaining inside the vehicle, door locks can be unlocked from outside of the vehicle with a spare Intelligent Key as long as key IDs are different.

OUTSIDE KEY ANTENNA DETECTION AREA

The outside key antenna detection area of door lock/unlock function is in the range of approximately 80 cm (31.50 in) surrounding the LH and RH outside key antennas (1) and the outside key antenna (rear bumper) (2). However, this operating range depends on the ambient conditions.



SELECTIVE UNLOCK FUNCTION

Lock Operation

When an LOCK signal is sent from door request switch (driver side, passenger side, trunk lid), all doors and fuel lid are locked.

Unlock Operation

- When an UNLOCK signal from driver side door request switch is transmitted, driver side door and fuel lid unlocks. When another UNLOCK signal is transmitted within 60 seconds, all other doors unlocks.
- · When an UNLOCK signal from passenger side door request switch is transmitted, passenger side door unlocks. When another UNLOCK signal is transmitted within 60 seconds, all other doors and fuel lid unlocks.

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< SYSTEM DESCRIPTION >

[ROADSTER]

 When an UNLOCK signal from trunk lid side door request switch is transmitted, trunk lid open permission is set. When another UNLOCK signal is transmitted within 60 seconds, all doors (except trunk lid) and fuel lid unlock.

Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to DLK-231, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by door request switch operation and if 60 seconds or more passes without performing the following operation, all doors and fuel filler lid are automatically locked. However, operation check function does not activate.

Operating condition	 Door switch is ON (door is open) Trunk room lamp switch is ON (trunk lid is open) Door is locked Push switch is pressed
	Intelligent Key is inserted in key slot

Auto door lock mode can be changed by the "AUTO LOCK SET" mode in "WORK SUPPORT". Refer to <u>DLK-232</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)".

HAZARD AND BUZZER REMINDER FUNCTION

During lock or unlock operation by each door request switch, the hazard warning lamps blink and Intelligent Key warning buzzer or horn sounds as a reminder.

When doors are locked or unlocked by each door request switch, BCM sounds Intelligent Key warning buzzer or horn and blinks hazard warning lamps as a reminder.

Operating Function of Hazard and Buzzer Reminder

Operation	Hazard warning lamp blinks	Intelligent Key warning buzzer sounds	Horn sounds
Unlock	Once	Once	_
Lock	Twice	Twice	Once

Hazard and buzzer reminder does not operate in the following conditions.

- Ignition switch position is ON
- Door is open (only lock operation)

How to Change Hazard and Buzzer Reminder Mode

Refer to DLK-41, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)".

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Function		Key slot	Remote keyless entry receiver	Door switch	Trunk room lamp switch	Door request switch	Door lock actuator and fuel lid lock actuator	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	CAN communication system	BCM	Hazard warning lamp	Push-button ignition switch	Combination meter
Door lock/unlock function	×	×	×	×	×	×	×	×	×			×			
Hazard and buzzer reminder function				×	×					×	×	×	×		×
Selective unlock function						×	×	×	×			×			
Auto door lock function	×	×		×	×	×	×					×		×	

TRUNK OPEN FUNCTION

< SYSTEM DESCRIPTION >

[ROADSTER]

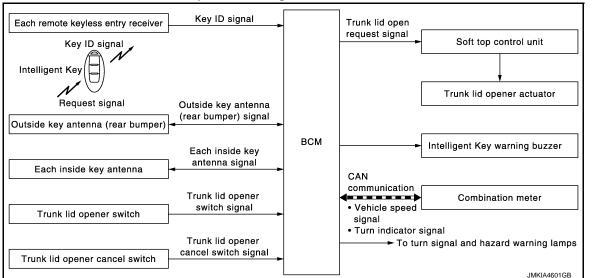
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TRUNK OPEN FUNCTION: System Diagram



TRUNK OPEN FUNCTION: System Description

INFOID:0000000005396111

This section describes the operation of the trunk lid opener switch.

- The trunk lid open function can open the trunk lid by pressing the trunk lid opener switch while carrying the Intelligent Key and all doors are locked.
- The trunk lid open function enables the trunk lid to be opened by pressing trunk lid opener switch after BCM transmits UNLOCK signal to each door. Refer to DLK-228, "System Description".

OPERATION DESCRIPTION

- When the BCM detects that trunk lid opener switch is pressed, it starts the outside key antenna (rear bumper) and inside key antenna and transmits the request signal to the Intelligent Key. Then, check that the Intelligent Key is near the trunk lid.
- If the Intelligent Key is within the outside key antenna detection area, it receives the request signal and transmits the key ID signal to the BCM via remote keyless entry receiver.
- BCM receives the key ID signal and compares it with the registered key ID.
- BCM transmits trunk lid open request signal to soft top control unit, at the same time, blinks hazard warning lamp, and sounds Intelligent Key warning buzzer.
- Soft top control unit transmits trunk lid open request signal to trunk lid opener actuator and opens trunk lid.

OPERATION CONDITION

If the following conditions are satisfied, the trunk lid can be opened.

Trunk lid opener switch operation	Operation condition
Trunk lid open	 Vehicle speed is less than 5 km/h (3 MPH) Trunk lid opener cancel switch is ON (CANCEL) 3 seconds or more after BCM outputs all doors lock signal Intelligent Key is outside of vehicle Intelligent Key is within outside key antenna detection area Soft top is not operated

OUTSIDE KEY ANTENNA DETECTION AREA

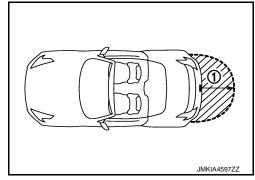
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The outside key antenna detection area of trunk lid open function is in the range of approximately 80 cm (31.50 in) surrounding the outside key antenna (rear bumper) (1). However, this operating range depends on the ambient conditions.



HAZARD AND BUZZER REMINDER FUNCTION

Trunk lid opening operation by trunk lid opener switch, the hazard warning lamps and born blinks or honk as a reminder.

NOTE:

Hazard and buzzer reminder function is only operated at the first trunk lid opening operation after BCM transmits LOCK signal to each door.

LIST OF OPERATION RELATED PARTS

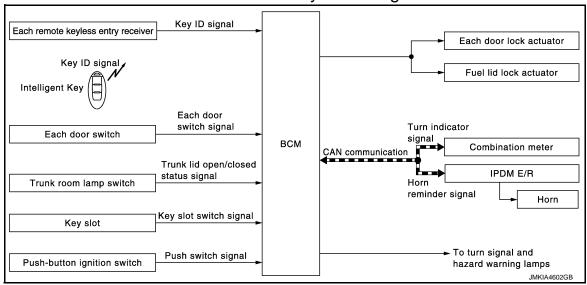
Parts marked with \times are the parts related to operation.

Function	Intelligent Key	Key slot	Remote keyless entry receiver	Door switch	Door request switch	Door lock actuator and fuel lid lock actuator	Inside key antenna	Outside key antenna (Rear bumper)	Intelligent Key warning buzzer	CAN communication system	BCM	Hazard warning lamp	Trunk lid opener switch	Trunk lid opener cancel switch	Combination meter	Soft top control unit
Trunk open function		×	×	×	×	×	×	×		×	×		×	×	×	×
Hazard and buzzer reminder function									×	×	×	×			×	

REMOTE KEYLESS ENTRY FUNCTION

REMOTE KEYLESS ENTRY FUNCTION: System Diagram

INFOID:0000000005396112



< SYSTEM DESCRIPTION >

[ROADSTER]

REMOTE KEYLESS ENTRY FUNCTION: System Description

INFOID:0000000005396113

The Intelligent Key has the same functions as the remote control entry system. Therefore, it can be used in the same manner as the Intelligent Key by operating the door lock/unlock button.

OPERATION

Remote keyless entry system controls operation of the following items.

- Door lock/unlock
- Selective unlock
- · Hazard and horn reminder
- Auto door lock

OPERATION AREA

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To check that the Intelligent Key works normally, use within 1 m (3 ft) range of each door, however the operable range may differ according to surroundings.

DOOR LOCK/UNLOCK FUNCTION

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- When door lock/unlock button of the Intelligent Key is pressed, lock signal or unlock signal is transmitted from Intelligent Key to BCM via remote keyless entry receiver.
- When BCM receives the door lock/unlock signal, it operates all door lock actuators and fuel lid lock actuator, blinks the hazard lamp (lock: 2 times, unlock: 1 time) and horn chirp signal to IPDM E/R at the same time as a reminder.
- IPDM E/R honks horn (lock: 2 times) as a reminder

OPERATION CONDITION

Remote controller operation	Operation condition	
Lock	 More than 3 seconds are passed since Intelligent Key removed from key slot Panic alarm is not activated P position warning is not activated 	
Unlock	More than 3 seconds are passed since Intelligent Key removed from key slot Panic alarm is not activated	

SELECTIVE UNLOCK FUNCTION

When an LOCK signal is transmitted from Intelligent Key, all doors and fuel lid are locked.

When an UNLOCK signal is transmitted from Intelligent Key once, driver side door and fuel lid are unlocked. Then, if an UNLOCK signal is transmitted from Intelligent Key again within 60 seconds, all other doors are unlocked.

Selective unlock operation mode can be changed using "DOOR LOCK-UNLOCK SET" mode in "WORK SUP-PORT". Refer to DLK-231, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)".

AUTO DOOR LOCK FUNCTION

After door is unlocked by Intelligent Key button operation and if 60 seconds or more passes without performing the following operation, all doors and fuel filler lid are automatically locked. However, operation check function does not activate.

Operating condition	 Door switch is ON (door is open) Trunk room lamp switch is ON (trunk lid is open) Door is locked Push switch is pressed Intelligent Key is inserted in key slot
---------------------	---

Auto door lock mode can be changed by the "AUTO LOCK SET" mode in "WORK SUPPORT". Refer to <u>DLK-232</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)".

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HAZARD AND HORN REMINDER FUNCTION

When doors are locked or unlocked by Intelligent Key, BCM blinks hazard warning lamps as a reminder.

The hazard and horn reminder has a horn chirp mode (C mode) and a non-horn chirp mode (S mode).

Operating Function of Hazard and Horn Reminder

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[ROADSTER]

	C n	node	Sm	node
Intelligent Key operation	Lock	Unlock	Lock	Unlock
Hazard warning lamp blinks	Twice	Once	Twice	_
Horn sound	Once	_	_	_

Hazard and horn reminder does not operate in the following conditions.

- Ignition switch position is ON.
- Door or trunk lid is open (only lock operation)

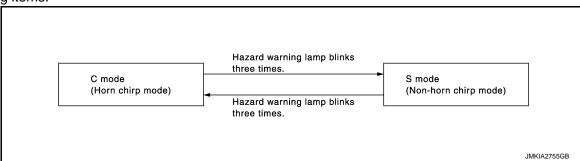
How to Change Hazard and Horn Reminder Mode

(III) With CONSULT-III

Refer to DLK-232, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY)".

Without CONSULT-III

When LOCK and UNLOCK signals are sent from the Intelligent Key for more than 2 seconds at the same time, the hazard and horn reminder mode is changed and hazard warning lamp blinks and horn sounds as per the following items:



LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

Remote keyless entry functions	Intelligent Key	Key slot	Door request switch	Door switch	Door lock actuator and fuel lid lock actuator	CAN communication system	BCM	Combination meter	Hazard warning lamp	Horn	IPDM E/R
Door lock/unlock function		×		×	×		×				
Hazard and horn reminder function						×	×	×	×	×	×
Selective unlock function				×	×		×				
Auto door lock function	×	×		×			×				

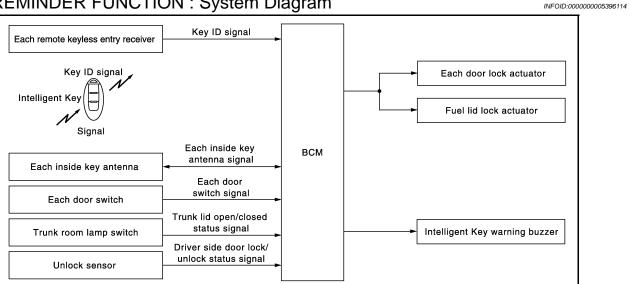
KEY REMINDER FUNCTION

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KEY REMINDER FUNCTION: System Diagram



KEY REMINDER FUNCTION: System Description

INFOID:0000000005396115

Key reminder is the function that prevents the key from being left in the vehicle. Key reminder has the following 3 functions.

Key remainder function	Operation condition	Operation
Driver door closed*	Right after driver side door is closed under the following conditions Door lock operation is performed Driver side door is open Driver side door is in lock state	All doors and fuel lid unlock
Door is open or closed	Right after all doors are closed under the following conditions Intelligent Key is inside the vehicle Any door is open All doors are locked by door lock and unlock switch	All doors and fuel lid unlock Honk Intelligent Key warning buzzer
Trunk lid is closed	Right after trunk lid is closed under the following conditions Intelligent Key is inside vehicle All doors are closed All doors are locked	 All doors and fuel lid unlock Trunk lid can open with trunk lid opener switch Honk Intelligent Key warning buzzer

^{*:}If the door closing impact shocks the door lock knob, or contacts against baggage with the door lock knob might activate the door locks accidentally but unlock operation is perform in these cases.

CAUTION:

The above function operates when the Intelligent Key is inside the vehicle. However, there may be times when the Intelligent Key cannot be detected, and this function does not operate when the Intelligent Key is on the instrument panel, or in the glove box. Also, this system sometimes does not operate if the Intelligent Key is in the door pocket for the open door.

WARNING FUNCTION

WARNING FUNCTION: System Description

OPERATION DESCRIPTION

The warning functions are as per the following items and are given to the user as warning information and warnings using combinations of Intelligent Key warning buzzer, combination meter, KEY warning lamp, key slot indicator and information display in combination meter.

- Intelligent Key system malfunction
- OFF position warning
- P position warning
- ACC warning
- Take away warning

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DLK-223 Revision: 2009 July 2010 370Z

< SYSTEM DESCRIPTION >

[ROADSTER]

- Door lock operation warning
- Key warning
- Intelligent Key insert information
- Engine start information
- Steering lock information
- Intelligent Key low battery warning
- Key ID warning

OPERATION CONDITION

Once the following condition from below is established, alert or warning is executed.

Warning/Infor	mation functions	Operation procedure				
Intelligent Key system ma	lfunction	When a malfunction is detected on BCM, "KEY" warning lamp illuminates				
	For internal	Ignition switch: ACC position Door switch (driver side): ON (Door is open)				
OFF position warning	For external*	OFF position warning (For internal) is in active mode, driver side door is closed NOTE: OFF position (For external) active only when each of the sequences occurs as below: P position warning \rightarrow ACC warning \rightarrow OFF position warning (For internal) \rightarrow OFF position warning (For internal)				
P position warning*	For internal	 Shift position: Except P position Engine is running to stopped (Ignition switch is ON to OFF) 				
P position warning*	For external	Warning is activated when driver door is closed from the open position while the P position warning (for inside vehicle) is ON				
ACC warning*		 When P position warning is in active mode, shift position changes P position Ignition switch: ACC position 				
	Door is open to close	 Ignition switch: Except LOCK position Door switch: ON to OFF (Door is open to close) Intelligent Key cannot be detected inside the vehicle 				
	Door is open	Door switch: ON (Door is open) Key ID verification every 5 seconds when registered Intelligent Key cannot be detected inside the vehicle				
Take away warning	Push button-ignition switch operation	 Ignition switch: Except LOCK position Press push-button ignition switch Intelligent Key cannot be detected inside the vehicle 				
	Intelligent Key is removed from key slot	 When Intelligent Key is removed from key slot Intelligent Key cannot be detected inside the vehicle Ignition switch: Except LOCK position When intelligent Key is low battery 				
Door lock operation warni	ng	When door lock operation is requested while door lock operating condition of door request switch is not satisfied				
Key warning		 Ignition switch is OFF position Driver side door switch: ON (Driver side door is open) Intelligent Key is inserted in key slot 				
Intelligent Key insert information		 Door switch: ON to OFF (Door is open to close) Intelligent Key is out of key slot Intelligent Key cannot be detected inside the vehicle 				
	Ignition switch is ON position	 Ignition switch: ON position Shift position: P position* Engine is stopped 				
Engine start information	Ignition switch is except ON position	 Ignition switch: Except ON position Shift position: P position* Intelligent Key is inserted in key slot or Intelligent Key can be detected inside the vehicle 				
Steering lock information		When steering lock cannot be released after ignition switch is turned ON				

< SYSTEM DESCRIPTION >

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Warning/Information functions	Operation procedure
Intelligent Key low battery warning	When Intelligent Key is low battery, BCM is detected after ignition switch is turned ON
Key ID warning	When registered intelligent Key cannot be detected inside the vehicle after ignition switch is turned ON

^{*:} M/T models do not apply.

WARNING METHOD

The following table shows the alarm or warning methods with chime. Information display (combination meter), "KEY" indicator or key slot indicator when the warning conditions are met.

					Warning	g chime	
Warning/Informa	ation functions	"KEY" warn- ing lamp	Information display (combination meter)	Key slot in- dicator	Combination meter buzzer	Intelligent Key warning buzzer	Е
Intelligent Key system	Intelligent Key system malfunction		_	_	_	_	_
OFF position warn-	For internal	_	_	_	Activate	_	F
ing	For external*	_	_	_		Activate	
	For internal			_	Activate	_	G
P position warning*	For external	_	SHIFT JMKIA0037GB	_	_	Active	Н
ACC warning*		_	PUSH JMKIA0047GB	_	_	_	J DL
	Door is open to close	_		Blink	Activate	Activate	L
	Door is open			Blink		_	
Take away warning	Push-ignition switch operation	_	NO KEY	Blink	Activate	_	M
	Intelligent Key is removed from key slot	_	JMKIA0036GB	Blink	_	_	N
Door lock operation	Request switch operation	_	_	_	_	Activate	
warning	Intelligent Key operation	_	_	_	_	Activate	0
Key ID warning		_	NO KEY	_	_	_	Ρ

[ROADSTER]

					Warning	g chime
Warning/Information functions		"KEY" warn- ing lamp	Information display (combination meter)	Key slot in- dicator	Combination meter buzzer	Intelligent Key warning buzzer
Key warning		_	JMKIA0035GB	Blink	Activate	_
Intelligent Key inser	t information	_	JMKIA0034GB	Illuminate	_	_
Engine start infor-	Automatic trans mission models	_	BRAKE JMKIA0032GB	_	_	_
mation	Manual trans- mission models	_	CLUCH JMKIA0049GB	_	Ί	Ï
Steering lock information		_	JMKIA0033GB	_	_	_
Intelligent Key low battery warning		_	JMKIA3049ZZ	_	_	_

^{*:} M/T models do not apply.

LIST OF OPERATION RELATED PARTS

Parts marked with \times are the parts related to operation.

< SYSTEM DESCRIPTION >

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Warning function		Intelligent Key	Key slot	Ignition switch	Door switch	Door request switch	Inside key antenna	Outside key antenna	Intelligent Key warning buzzer	Combination meter warning buzzer	CAN communication system	BCM	Combination meter display	Key slot indicator	Detention switch	"KEY" warning lamp
Intelligent Key system mal	1										×	×				×
OFF position warning	For internal				×					×	×	×				
	For external				×				×			×				
P position warning				×						×	×	×	×		×	
ACC warning				×						×	×	×	×		×	
	Door is open or close	×			×		×		×	×	×	×	×	×		
	Door is open	×			×		×				×	×	×	×		
Take away warning	Push-button ignition	×		×			×			×	×	×	×	×		
	Intelligent Key is removed from key slot	×	×				×				×	×	×	×		
Door lock operation warning	ng	×	×		×	×	×	×	×			×				
Key ID warning		×	×	×			×				×	×	×			
Key warning	Key warning		×		×					×	×	×	×	×		
Intelligent Key insert information		×	×	×	×		×				×	×	×	×		
Engine start information	Ignition switch is ON position	×	×	×			×				×	×	×		×	
Engine start information	Ignition switch is except ON position	×	×	×			×				×	×	×			
Steering lock information				×							×	×	×			
Intelligent Key low battery	warning	×					×				×	×	×			

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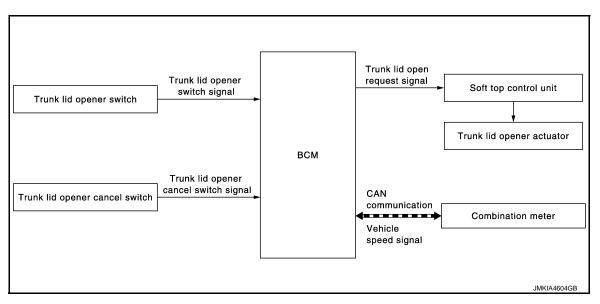
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[ROADSTER]

SYSTEM (TRUNK LID OPENER SYSTEM)

System Diagram



System Description

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TRUNK LID OPENER OPERATION

- When trunk lid opener switch turns ON, BCM transmits trunk lid open request signal to soft top control unit.
- Soft top control unit transmits trunk lid open request signal to trunk lid opener actuator. Trunk lid is open.

Trunk lid opener actuator is not for locking the trunk lid. The function is only to open the trunk lid.

OPERATION CONDITION

If the following conditions are satisfied, trunk lid opener operation is performed.

Trunk lid opener switch operation	Operation condition
Trunk lid open	When trunk lid is unlocked using trunk lid door request switch in the selective unlock mode, or after BCM outputs all doors unlock signal Vehicle speed is less than 5 km/h (3 MPH) Trunk lid opener cancel switch is ON (CANCEL) Soft top is not operated

NOTE:

- When battery terminal is disconnected and reconnected during all doors unlock state, trunk lid may not open.
- Regardless of door lock actuator state, BCM resets recognition of all doors unlock state approximately 30 seconds after battery terminal is disconnected and BCM recognizes that all doors are in lock state.
- When battery terminal is reconnected and trunk lid does not open, have BCM recognize that all doors are in unlock state.

SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

< SYSTEM DESCRIPTION >

SYSTEM (INTEGRATED HOMELINK TRANSMITTER)

System Description

INFOID:0000000005396119

[ROADSTER]

- Integrated homelink transmitter can store and transmit a maximum of 3 radio signals.
- Allows operation of garage doors, gates, home and office lighting, entry door locks and security system, etc.
- Integrated homelink transmitter power supply uses vehicle battery, which enables it to maintain every program in case battery is discharged or removed.

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Revision: 2009 July **DLK-229** 2010 370Z

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[ROADSTER]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT-III Function (BCM - COMMON ITEM)

INFOID:0000000005569962

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	Read and save the vehicle specification.Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

System	Sub system selection item	Diagnosis mode						
System	Sub system selection item	Work Support	Data Monitor	Active Test				
Door lock	DOOR LOCK	×	×	×				
Rear window defogger	REAR DEFOGGER		×	×				
Warning chime	BUZZER		×	×				
Interior room lamp timer	INT LAMP	×	×	×				
Exterior lamp	HEAD LAMP	×	×	×				
Wiper and washer	WIPER	×	×	×				
Turn signal and hazard warning lamps	FLASHER	×	×	×				
_	AIR CONDITONER*							
Intelligent Key system Engine start system	INTELLIGENT KEY	×	×	×				
Combination switch	COMB SW		×					
Body control system	BCM	×						
IVIS - NATS	IMMU		×	×				
Interior room lamp battery saver	BATTERY SAVER	×	×	×				
Back door/Trunk lid open	TRUNK		×	×				
Vehicle security system	THEFT ALM	×	×	×				
RAP system	RETAINED PWR		×					
Signal buffer system	SIGNAL BUFFER		×	×				
TPMS	TPMS (AIR PRESSURE MONITOR)	×	×	×				

NOTE:

FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

^{*:} This item is displayed, but is not used.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

CONSULT screen item	Indication/Unit	Description					
Vehicle Speed	km/h	Vehicle speed of the mo	ment a particular DTC is detected				
Odo/Trip Meter	km	Total mileage (Odomete	r value) of the moment a particular DTC is detected				
	SLEEP>LOCK		While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK")				
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)				
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"				
	ACC>ON		While turning power supply position from "ACC" to "IGN"				
	RUN>ACC		While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)				
	CRANK>RUN		While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)				
	RUN>URGENT		While turning power supply position from "RUN" to "ACC" (Emergency stop operation)				
C	ACC>OFF	Power position status of the moment a particular DTC is detected	While turning power supply position from "ACC" to "OFF"	OFF" to "LOCK"			
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"				
	OFF>ACC		While turning power supply position from "OFF" to "ACC"				
	ON>CRANK		While turning power supply position from "IGN" to "CRANKING"				
	OFF>SLEEP			While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode			
	LOCK>SLEEP		While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode				
	LOCK		Power supply position is "LOCK" (Ignition switch OFF with steering is locked.)				
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)				
	ACC		Power supply position is "ACC" (Ignition switch ACC)				
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)				
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)				
	CRANKING		Power supply position is "CRANKING" (At engine cranking)				
IGN Counter	0 - 39	The number is 0 wher the number increases whenever ignition swit	th ignition switch is turned ON after DTC is detected a malfunction is detected now. If the interpolar is like $1 \rightarrow 2 \rightarrow 338 \rightarrow 39$ after returning to the normal condition that of the OFF \rightarrow ON. If 39 until the self-diagnosis results are erased if it is over 39.				

DOOR LOCK

DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)

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WORK SUPPORT

Monitor item	Description
DOOR LOCK-UNLOCK SET	Selective unlock function mode can be changed to operate (ON) or not operate (OFF) with this mode
AUTOMATIC DOOR LOCK SE- LECT	Automatic door lock function mode can be selected from the following in this mode VH SPD: All doors are locked when vehicle speed more than 24 km/h (15 MPH) P RANGE*: All doors are locked when shifting the selector lever from P position to other than the P position

Monitor item	Description
AUTOMATIC DOOR UNLOCK SELECT	 Automatic door unlock function mode can be selected from the following in the mode MODE 1: All doors are unlocked when the power supply position is changed from ON to OFF MODE 2*: All doors are unlocked when shifting the selector lever from any position other than the P to P position MODE 3: Driver side door is unlocked when the power supply position is changed from ON to OFF MODE 4*: Driver side door is unlocked when shifting the selector lever from any position other than the P to P position
AUTOMATIC LOCK/UNLOCK SET	Automatic door lock/unlock function mode can be selected from the following in this mode Off: non-operational Unlock Only: door unlock operation only Lock Only: door lock operation only Lock/Unlock: lock/unlock operation

^{*:} P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

DATA MONITOR

Monitor Item	Contents
REQ SW-DR	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-BD/TR	Indicated [On/Off] condition of back door request switch/door request switch (trunk lid)
DOOR SW-DR	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR	NOTE: This item is displayed, but cannot be monitored
DOOR SW-RL	NOTE: This item is displayed, but cannot be monitored
DOOR SW-BK	Indicated [On/Off] condition of back door switch/ trunk room lamp switch*
CDL LOCK SW	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW	Indicated [On/Off] condition of unlock signal from door lock unlock switch
KEY CYL LK-SW	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW	Indicated [On/Off] condition of unlock signal from door key cylinder

^{*:} For roadster models

ACTIVE TEST

Test item	Description
DOOR LOCK	This test is able to check door lock/unlock operation • The all door lock actuators are locked when "ALL LCK" on CONSULT-III screen is touched • The all door lock actuators are unlocked when "ALL UNLK" on CONSULT-III screen is touched • The door lock actuator (driver side) is unlocked when "DR UNLK" on CONSULT-III screen is touched • The door lock actuator (passenger side) is unlocked when "AS UNLK" on CONSULT- III screen is touched • "OTR ULK" item is displayed, but cannot be monitored

INTELLIGENT KEY

INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY) INFOID:000000005396122

WORK SUPPORT

[ROADSTER]

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Monitor item	Description				
CONFIRM KEY FOB ID	It can be checked whether Intelligent Key ID code is registered or not in this mode				
AUTO LOCK SET	Auto door lock time can be changed in this mode • MODE 1: 1 minute • MODE 2: 5 minutes • MODE 3: 30 seconds • MODE 4: 2 minutes				
LOCK/UNLOCK BY I-KEY	Door lock/unlock function by door request switch (driver side, passenger side and back door side/trunk lid*) mode can be changed to operate (On) or not operate (Off) in this mode				
ENGINE START BY I-KEY	Engine start function mode can be changed to operate (On) or not operate (Off) with this mode				
TRUNK/GLASS HATCH OPEN	Buzzer reminder function mode by back door opener switch/ trunk lid opener switch* can be changed to operate (ON) or not operate (OFF) with this mode				
PANIC ALARM SET	Panic alarm button pressing time on Intelligent Key remote control button can be selected from the following with this mode MODE 1: 0.5 sec. MODE 2: Non-operation MODE 3: 1.5 sec.				
TAKE OUT FROM WIN WARN	NOTE: This item is displayed, but cannot be monitored				
PW DOWN SET	Unlock button pressing time on Intelligent Key button can be selected from the following we this mode • MODE 1: 3 sec. • MODE 2: Non-operation • MODE 3: 5 sec.				
TRUNK OPEN DELAY	NOTE: This item is displayed, but cannot be supported				
LO- BATT OF KEY FOB WARN	Intelligent Key low battery warning mode can be changed to operate (On) or not operate (Off) with this mode				
ANTI KEY LOCK IN FUNCTI	Key reminder function mode can be changed to operate (On) or not operate (Off) with this mode				
HAZARD ANSWER BACK	Hazard reminder function mode can be selected from the following with this mode • LOCK ONLY: Door lock operation only • UNLOCK ONLY: Door unlock operation only • LOCK/UNLOCK: Lock/unlock operation • OFF: Non-operation				
ANS BACK I-KEY LOCK	Buzzer reminder function (lock operation) mode by door request switch (driver side, passe ger side and back door side/trunk lid*) can be selected from the following with this mode Horn chirp: Sound horn Buzzer: Sound Intelligent Key warning buzzer OFF: Non-operation				
ANS BACK I-KEY UNLOCK	Buzzer reminder function (unlock operation) mode by door request switch (driver side, passenger side and back door side/trunk lid*) can be changed to operate (On) or not operate (Of with this mode				
SHORT CRANKING OUTPUT	Starter motor can be forcibly activated				
INSIDE ANT DIAGNOSIS	This function allows inside key antenna self-diagnosis				
HORN WITH KEYLESS LOCK	Horn reminder function mode by Intelligent Key button can be changed to operate (On) or not operate (Off) with this mode				

^{*:} For roadster models

SELF-DIAG RESULT Refer to BCS-86, "DTC Index".

DATA MONITOR

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Monitor Item	Condition			
REQ SW -DR	Indicates [On/Off] condition of driver side door request switch			
REQ SW -AS	Indicates [On/Off] condition of passenger side door request switch			
REQ SW -BD/TR	Indicates [On/Off] condition of back door request switch/trunk lid door request switch*4			
PUSH SW	Indicates [On/Off] condition of push-button ignition switch			
IGN RLY2 -F/B	Indicates [On/Off] condition of ignition relay 2			
ACC RLY-F/B	NOTE: This item is displayed, but cannot be monitored			
CLUCH SW*1	Indicates [On/Off] condition of clutch switch			
BRAKE SW 1	Indicates [On/Off]*3 condition of brake switch power supply			
BRAKE SW 2	1 11			
	Indicates [On/Off] condition of brake switch			
DETE/CANCL SW*2	Indicates [On/Off] condition of P position			
SFT PN/N SW* ²	Indicates [On/Off] condition of P or N position			
S/L -LOCK	Indicates [On/Off] condition of steering lock unit (LOCK)			
S/L -UNLOCK	Indicates [On/Off] condition of steering lock unit (UNLOCK)			
S/L RELAY -F/B	Indicates [On/Off] condition of steering lock relay			
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status			
PUSH SW -IPDM	Indicates [On/Off] condition of push-button ignition switch			
IGN RLY1 -F/B	Indicates [On/Off] condition of ignition relay 1			
DETE SW -IPDM* ²	Indicates [On/Off] condition of P position			
SFT PN -IPDM* ²	Indicates [On/Off] condition of P or N position			
SFT P -MET*2	Indicates [On/Off] condition of P position			
SFT N -MET*2	Indicates [On/Off] condition of N position			
ENGINE STATE	Indicates [STOP/STALL/CRANK/RUN] condition of engine states			
S/L LOCK-IPDM	Indicates [On/Off] condition of steering lock unit (LOCK)			
S/L UNLK-IPDM	Indicates [On/Off] condition of steering lock unit (UNLOCK)			
S/L RELAY-REQ	Indicates [On/Off] condition of steering lock relay			
VEH SPEED 1	Display the vehicle speed signal received from combination meter by numerical value [km/h]			
VEH SPEED 2	Display the vehicle speed signal received from ABS or VDC or TCM by numerical value [km/h]			
DOOR STAT-DR	Indicates [LOCK/READY/UNLOCK] condition of driver side door status			
DOOR STAT-AS	Indicates [LOCK/READY/UNLOCK] condition of passenger side door status			
ID OK FLAG	Indicates [Set/Reset] condition of key ID			
PRMT ENG STRT	Indicates [Set/Reset] condition of engine start possibility			
PRMT RKE STRT	NOTE: This item is displayed, but cannot be monitored			
KEY SW -SLOT	Indicates [On/Off] condition of key slot			
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored			
RKE-LOCK	Indicates [On/Off] condition of LOCK signal from Intelligent Key			
RKE-UNLOCK	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key			
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored			
RKE-PANIC	Indicates [On/Off] condition of PANIC button of Intelligent Key			
RKE-P/W OPEN	Indicates [On/Off] condition of P/W DOWN signal from Intelligent Key			
RKE-MODE CHG	Indicates [On/Off] condition of MODE CHANGE signal from Intelligent Key			
	The state of the s			

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

Monitor Item	Condition		
RKE OPE COUN1	When remote keyless entry receiver (front) receives the signal transmitted while operating Intelligent Key, the numerical value start changing		
RKE OPE COUN2*5	When remote keyless entry receiver (rear)*4 receives the signal transmitted while operating on Intelligent Key, the numerical value start changing		
REVERSE SW*1	Indicates [On/Off] condition of R position		

^{*1:} It is displayed but does not operate on A/T models.

ACTIVE TEST

Test item	Description			
BATTERY SAVER	This test is able to check interior room lamp operation The interior room lamp is activated after "On" on CONSULT-III screen is touched			
PW REMOTO DOWN SET	This test is able to check power window down operation The power window down is activated after "On" on CONSULT-III screen is touched			
OUTSIDE BUZZER	This test is able to check Intelligent Key warning buzzer operation The Intelligent Key warning buzzer is activated after "On" on CONSULT-III screen is touch			
INSIDE BUZZER	This test is able to check warning chime in combination meter operation • Take away warning chime sounds when "Take out" on CONSULT-III screen is touched • Key warning chime sounds when "Key" on CONSULT-III screen is touched • OFF position warning chime sounds when "Knob" on CONSULT-III screen is touched			
INDICATOR	This test is able to check warning lamp operation • "KEY" Warning lamp illuminates when "Key on" on CONSULT-III screen is touched • "KEY" Warning lamp blinks when "Key ind" on CONSULT-III screen is touched			
INT LAMP	This test is able to check interior room lamp operation The interior room lamp is activated after "On" on CONSULT-III screen is touched			
LCD	This test is able to check meter display information • Engine start information displays when "BP N" on CONSULT-III screen is touched • Engine start information displays when "BP I" on CONSULT-III screen is touched • Key ID warning displays when "ID NG" on CONSULT-III screen is touched • Steering lock information displays when "ROTAT" on CONSULT-III screen is touched • P position warning displays when "SFT P" on CONSULT-III screen is touched • Intelligent Key insert information displays when "INSRT" on CONSULT-III screen is touched • Intelligent Key low battery warning displays when "BATT" on CONSULT-III screen is touched • Take away through window warning displays when "NO KY" on CONSULT-III screen is touched • Take away warning display when "OUTKEY" on CONSULT-III screen is touched • OFF position warning display when "LK WN" on CONSULT-III screen is touched			
TRUNK/GLASS HATCH	NOTE: This item is displayed, but cannot be tested			
FLASHER	This test is able to check hazard warning lamp operation The hazard warning lamps are activated after "LH/RH/Off" on CONSULT-III screen is touched			
HORN	This test is able to check horn operation The horn is activated after "On" on CONSULT-III screen is touched			
P RANGE*1	This test is able to check A/T shift selector power supply A/T shift selector power is supplied when "On" on CONSULT-III screen is touched			
ENGINE SW ILLUMI	This test is able to check push-ignition switch illumination operation Push-ignition switch illumination illuminates when "On" on CONSULT-III screen is touched			
LOCK INDICATOR	This test is able to check LOCK indicator in push-ignition switch operation LOCK indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched			

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^{*2:} It is displayed but does not operate on M/T models.

 $^{^{\}star 3}$: OFF is displayed when brake pedal is depressed while brake switch power supply is OFF.

^{*4:} For roadster models

^{*5:} It is displayed but does not operate on coupe models.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

Test item	Description		
ACC INDICATOR	This test is able to check ACC indicator in push-ignition switch operation ACC indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched		
IGNITION ON IND	This test is able to check ON indicator in push-ignition switch operation ON indicator in push-ignition switch illuminates when "On" on CONSULT-III screen is touched		
KEY SLOT ILLUMI	This test is able to check key slot illumination operation Key slot illumination blinks when "On" on CONSULT-III screen is touched		
TRUNK/BACK DOOR	This test is able to check back door opener actuator/ trunk lid opener actuator* ² open operation This actuator opens when "Open" on CONSULT-III screen is touched		

^{*1:} It is displayed but does not operate on M/T models.

TRUNK

TRUNK: CONSULT-III Function (BCM - TRUNK)

INFOID:0000000005396123

DATA MONITOR

Monitor Item	Contents			
PUSH SW	Indicates [On/Off] condition of push-button ignition switch			
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status			
VEH SPEED 1	ndicates [km/h] condition of vehicle speed signal from combination meter			
KEY CYL SW-TR	NOTE: This item is displayed, but cannot be monitored			
TR CANCEL SW*1	Indicates [On/Off] condition of trunk lid cancel switch			
TR/BD OPEN SW	Indicates [On/Off] condition of back door opener switch/trunk lid opener switch*2			
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored			
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored			

^{*1:} It is displayed but does not operate on coupe models.

ACTIVE TEST

Test item	Description	
TRUNK/GLASS HATCH	NOTE: This item is displayed, but cannot be tested	

^{*2:} For roadster models

^{*2:}For roadster models

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

< SYSTEM DESCRIPTION >

[ROADSTER]

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

CONSULT-III Function

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APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with soft top control unit.

Diagnosis mode		Function Description
ECU Identification		The soft top control unit part number is displayed.
Self Diagnostic Result		Displays the diagnosis results judged by soft top control unit.
	Freeze Frame Data	The soft top control unit records the vehicle condition at the time when the DTC is detected, and displays.
Data Monitor		The soft top control unit input/output signals are displayed.
Active Test		The signals used to activate each device are forcibly supplied from soft top control unit.
CAN Diag Support Monitor		Monitors the reception status of CAN communication viewed from soft top control unit. Refer to CONSULT-III operation manual.

SELF-DIAG RESULT

Refer to RF-41, "DTC Index".

Freeze Frame Data

The soft top control unit records the following vehicle condition at the time when the DTC is detected, and displays on CONSULT-III.

CONSULT-III display		Description	
Item	Indication	Description	
ROOF SW (OPEN)	ON/OFF	OPEN input state of roof open/close switch is displayed.	
ROOF SW (CLOSE)	ON/OFF	CLOSE input state of roof open/close switch is displayed.	
ROOF LATCHED LH	ON/OFF	Input state of roof striker sensor LH is displayed.	
ROOF LATCHED RH	ON/OFF	Input state of roof striker sensor RH is displayed.	
F/CENTER LOCK	ON/OFF	Input state of roof latch lock sensor is displayed.	
R/RAIL RAISED LH	ON/OFF	Input state of roof status sensor LH is displayed.	
R/RAIL RAISED RH	ON/OFF	Input state of roof status sensor RH is displayed.	
R/RAIL LOWERED	ON/OFF	Input state of roof status sensor LH is displayed.	
5BOW LOWERED	ON/OFF	Input state of 5th bow status sensor LH is displayed.	
5BOW RAISED	ON/OFF	Input state of 5th bow status sensor RH is displayed.	
TRUNK STATUS SEN	ON/OFF	Input state of trunk status sensor is displayed.	
S/LID OPEN LH	ON/OFF	Input state of storage lid status sensor LH is displayed.	
S/LID OPEN RH	ON/OFF	Input state of storage lid status sensor RH is displayed.	
S/LID CLOSE RH	ON/OFF	Input state of storage lid status sensor RH is displayed.	
5TH BOW LATCH OP	ON/OFF	Input state of 5th bow latch open sensor is displayed.	
5TH BOW LATCH CL	ON/OFF	Input state of 5th bow latch close sensor is displayed.	
5BOW STRIK LATCH	ON/OFF	Input state of 5th bow striker sensor is displayed.	
FLPD LIMIT SW(DWN)	ON/OFF	Input state of flipper door limit switch (DOWN) is displayed.	
SWITCH VALVE 1	ON/OFF	Output state to switching valve 1 is displayed.	
SWITCH VALVE 2	ON/OFF	Output state to switching valve 2 is displayed.	
SWITCH VALVE 3	ON/OFF	Output state to switching valve 3 is displayed.	
SWITCH VALVE 4	ON/OFF	Output state to switching valve 4 is displayed.	
SWITCH VALVE 5	ON/OFF	Output state to switching valve 5 is displayed.	

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DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

< SYSTEM DESCRIPTION >

[ROADSTER]

CONSULT-III display		- Description
Item Indic		
PUMP OUT (LH)	ON/OFF	Right rotation output state to hydraulic motor is displayed.
PUMP OUT (RH)	ON/OFF	Left rotation output state to hydraulic motor is displayed.

DATA MONITOR

CONSULT-III display		Description	
Item Indication/Unit		Description	
ROOF LATCHED LH	ON/OFF/NG	Input state of roof striker sensor LH is displayed.	
ROOF LATCHED RH	ON/OFF/NG	Input state of roof striker sensor RH is displayed.	
F/CENTER LOCK	ON/OFF/NG	Input state of roof latch lock sensor is displayed.	
R/RAIL RAISED LH	ON/OFF/NG	Input state of roof status sensor LH is displayed.	
R/RAIL RAISED RH	ON/OFF/NG	Input state of roof status sensor RH is displayed.	
R/RAIL LOWERED	ON/OFF/NG	Input state of roof status sensor LH is displayed.	
5TH BOW LOWERED	ON/OFF/NG	Input state of 5th bow status sensor LH is displayed.	
5TH BOW RAISED	ON/OFF/NG	Input state of 5th bow status sensor RH is displayed.	
S/LID OPEN LH	ON/OFF/NG	Input state of storage lid status sensor LH is displayed.	
S/LID OPEN RH	ON/OFF/NG	Input state of storage lid status sensor RH is displayed.	
S/LID CLOSE RH	ON/OFF/NG	Input state of storage lid status sensor RH is displayed.	
5TH BOW LATCH OP	ON/OFF/NG	Input state of 5th bow latch open sensor is displayed.	
SWITCHING VALVE 1	ON/OFF/NG	Output state to switching valve 1 is displayed.	
SWITCHING VALVE 2	ON/OFF/NG	Output state to switching valve 2 is displayed.	
SWITCHING VALVE 3	ON/OFF/NG	Output state to switching valve 3 is displayed.	
SWITCHING VALVE 4	ON/OFF/NG	Output state to switching valve 4 is displayed.	
SWITCHING VALVE 5	ON/OFF/NG	Output state to switching valve 5 is displayed.	
PUMP OUT (RH)	ON/OFF/NG	Right rotation output state to hydraulic motor is displayed.	
PUMP OUT (LH)	ON/OFF/NG	Left rotation output state to hydraulic motor is displayed.	
5TH BOW LATCH CL	ON/OFF/NG	Input state of 5th bow latch close sensor is displayed.	
ROOF SW (OPEN)	ON/OFF	OPEN input state of roof open/close switch is displayed.	
ROOF SW (CLOSE)	ON/OFF	CLOSE input state of roof open/close switch is displayed.	
SHIFT R SIGNAL	ON/OFF	Input state of shift position (R position) is displayed.	
TRUNK OPEN OUT	ON/OFF	Output state to trunk open signal is displayed.	
THER PROTEC PUMP	OK/NG	Non-operation state of thermo protection (hydraulic pump) is displayed.	
THER PROTEC RCU	OK/NG	Non-operation state of thermo protection (soft top control unit) is displayed.	
PWR COND RCU	OK/NG	Diagnosis result of power supply (soft top control unit) is displayed.	
PWR COND P/W	OK/NG	Diagnosis result of power supply (power window) is displayed.	
LOCAL COMM 1	NG/SLEEP/NG	State of serial link 1 is displayed.	
LOCAL COMM 2	NG/SLEEP/NG	State of serial link 2 is displayed.	
REAR DEF OUT	OK/NG	Output state to rear window defogger is displayed.	
5BOW STRIK LATCH	ON/OFF/NG	Input state of 5th bow striker sensor is displayed.	
P/W OP REQ SW SIG	ON/OFF	Input state of power window open signal from request switch is displayed.	
PROHIBIT P/W UP	ON/OFF	Output state to power window operation prohibition signal is displayed.	
IGN ON SIG (BCM)	ON/OFF	Receiving state of ignition ON signal from BCM is displayed.	
RF OP REQ SW SIG	ON/OFF	Input state of soft top open signal from request switch is displayed.	

ACTIVE TEST

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

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CONSULT-III display		Description	
Item	Indication	Description	
DOOF LATOUED LIVEU	LOCK	Roof lock assembly performs lock operation.	
ROOF LATCHED LH/RH	UNLOCK	Roof lock assembly performs unlock operation.	
STORAGE LID	OPEN	Storage lid performs open operation.	
STORAGE LID	CLOSE	Storage lid performs close operation.	
SOFT TOP SYSTEM	UP	Soft top performs close operation.	
SOFT TOP STSTEM	DOWN	Soft top performs open operation.	
ROOF SYSTEM	OPEN	Soft top system performs open operation.	
ROOF STSTEWI	CLOSE	Soft top system performs close operation.	
5TH BOW SYSTEM	OPEN	1st bow and 5th bow performs fold operation.	
SIN BOW STSTEM	CLOSE	1st bow and 5th bow performs spread operation.	
HYDRAULIC PRESSURE RELEASE	ON	Switching valve performs OFF operation.	
TRUNK OPENER	ON	Trunk lid opener actuator performs unlock operation.	
ROOF STATE OUTPUT (AUDIO)	ON	Full open position signal of roof is transmitted to audio unit.	
ROOF STATE OUTPUT (AUDIO)	OFF	Full close position signal of roof is transmitted to audio unit.	
DOWED WINDOW (LU/DU)	UP	Power window (LH/RH) performs close operation.	
POWER WINDOW (LH/RH)	DOWN	Power window (LH/RH) performs open operation.	
REAR WINDOW DEFOGGER	ON	Rear window defogger performs ON operation.	
REAR WINDOW DEFOGGER	OFF	Rear window defogger performs OFF operation.	

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BCM, SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

ECU DIAGNOSIS INFORMATION

BCM, SOFT TOP CONTROL UNIT

List of ECU Reference

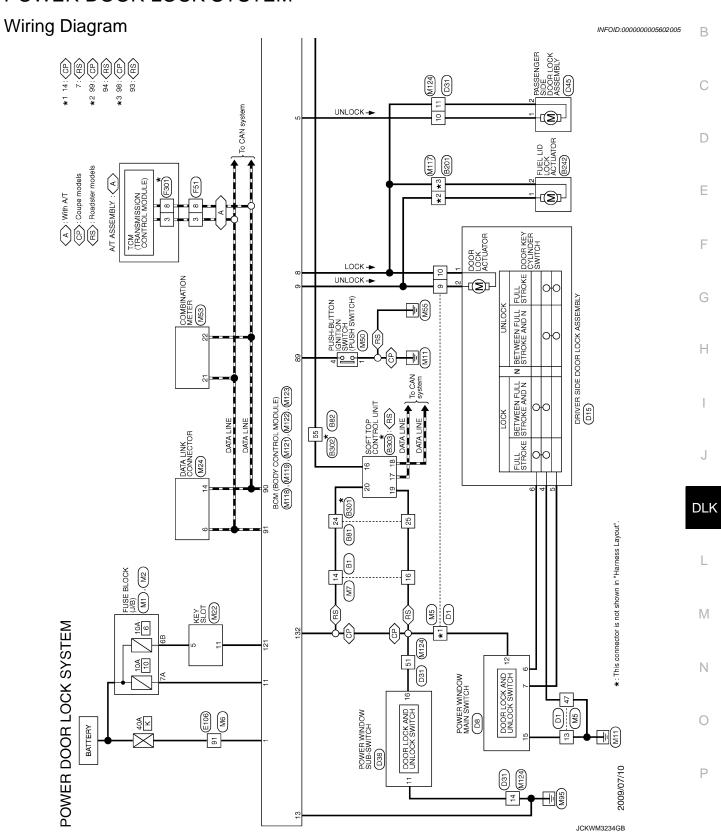
INFOID:0000000005396124

ECU	Reference
	BCS-51, "Reference Value"
BCM	BCS-82, "Fail-safe"
DCIVI	BCS-85, "DTC Inspection Priority Chart"
	BCS-86, "DTC Index"
	RF-32, "Reference Value"
Coff top control unit	RF-39, "Fail-safe"
Soft top control unit	RF-40, "DTC Inspection Priority Chart"
	RF-41, "DTC Index"

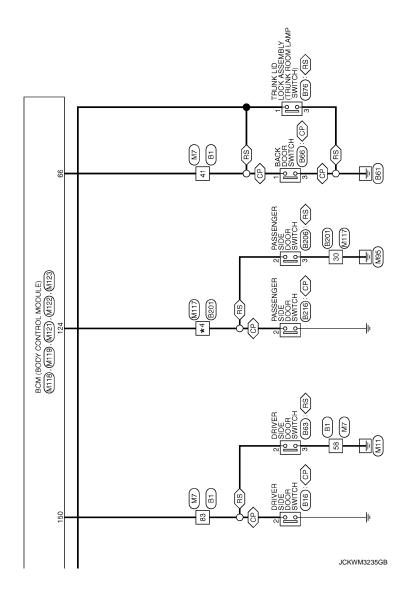
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WIRING DIAGRAM

POWER DOOR LOCK SYSTEM







< WIRING DIAGRAM > [ROADSTER]

Properties Pro	Connector No. B76	H Connector Name TRUNK LID LOCK ASSEMBLY	Connector Type NS03FW-CS	匮	H.S.	1 2 3			ification Terminal Color Signal Name [Specification]	No. of Wire	+	3 8 6	$\frac{1}{1}$		Connector No. B81	Connector Name WIRE TO WIRE	Т	Connector Lype TH40FW-NH	E	\(\frac{1}{2}\)	001191191191191191191	40 39 38 37 36 38 34 33 32 31 30 29 28 27		ification]	Terminal Color Signal Name [Specification]	of Wire	4 W	- B 9	>	0 6 14 14 GB	+	>	24 16		+	32 P	32									
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< WIRING DIAGRAM > [ROADSTER]

POWER DOOR LOCK SYSTEM	14 L ROOF OPEN / CLOSE SWITCH (CLOSE) 15 LG ROOF OPEN / CLOSE SWITCH (OPEN) 16 V TRUNK ROOM LAMP SWITCH 17 BG CANI-H 18 P CALCALCOMMUNICATION (EON) 20 V LOCAL COMMUNICATION (BON) 21 BR SENSOR FOMES SURPLY, ROOF STREAMS SENSOR RM 29 DG ROOF OPEN / CLOSE SWITCH (GND) 20 ROOF OPEN / CLOSE SWITCH (GND) 21 BR SENSOR FOMES SURPLY (BODE STREAMS SENSOR RM 22 DG ROOF OPEN / CLOSE SWITCH (GND)	Connector No. D8 Connector Name POWER WINDOW MAIN SWITCH Connector Type NS15FW-CS T 1 4 5 6 7 B 9 10 11 12 13 14 15	Connector No. D31 Connector Type TTH40FW-CS15 (S1514131211110 0 8 7 6 5 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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а 2	ILLUMINATION CONTROL SIGNAL	23	SHELD		80	>	- [Roadster models]	Connector Name	BCM (BODY CONTROL MODULE)	
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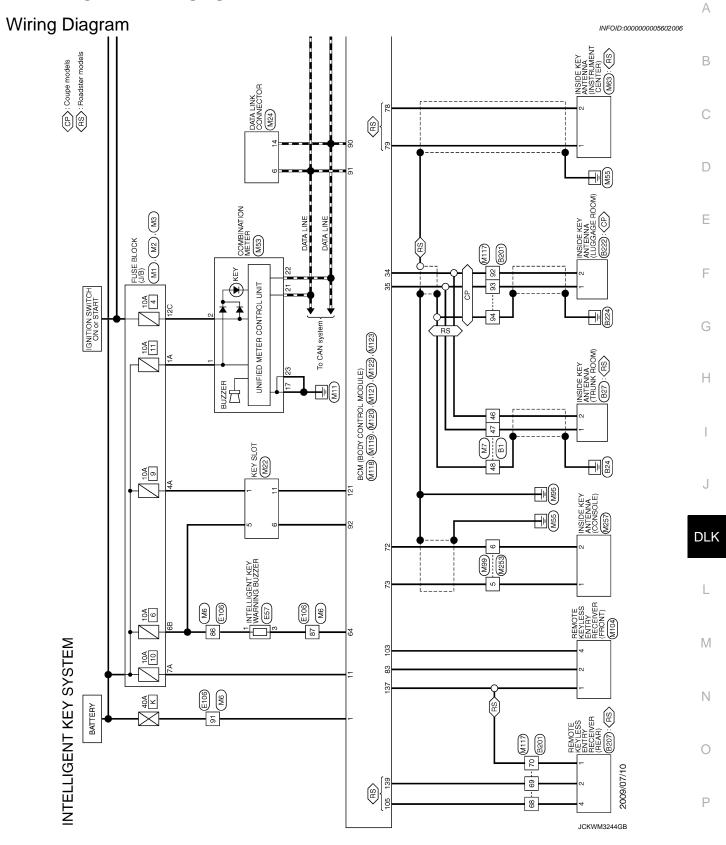
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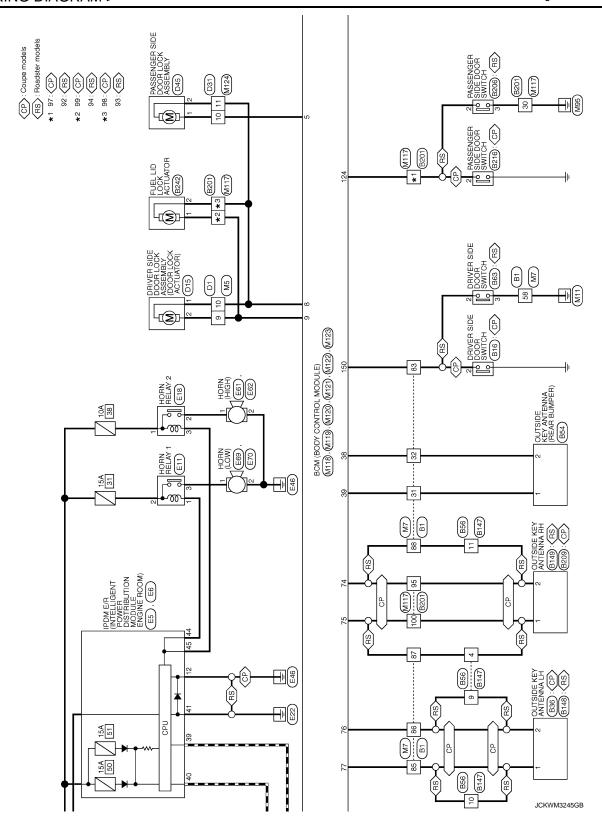
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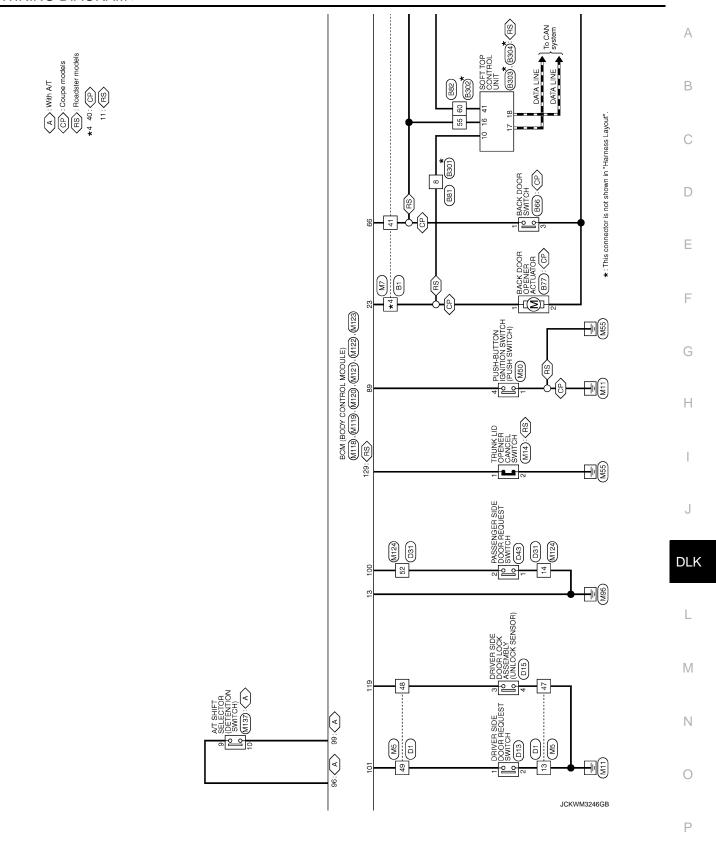
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75	æ	PASSENGER DOOR ANT+				10	>	- [Roadster models]
9/	> 1	DRIVER DOOR ANT-				= :	> !	- [Coupe models]
= F	<u> </u>	DRIVER DOOR ANT+	lerminal N=	Color	Signal Name [Specification]	= 5	<u> </u>	- [Roadster models]
, 2	_ ;	ROOM ANT 1= [With A/T]	No.	or wire	000110 1101100	7 5	5 ;	1
e 6	، ا	FOOM ANT 1- [with M/1]	2	ء د	OPTICAL SENSOR		> 0	1
8/ 02	2 8	BOOM ANT 1+ [With A/T]	± ±	r	SHOCK SENSOD	÷	ء م	
6	6 8	NATS ANT AMD	911	9	STOCK SENSOR	2 5	>	1 1
81 80	5 ≥	NATS ANT AMP.	-18	g a	STOP LAMP SW 2	23	- ×/	
8	2	IGN RELAY (F/B) CONT	110	ď	DR DOOR HIN OCK SENSOR	44	۵	slabom acrocil =
88	: >	KYLS ENT RECEIVER (FRONT) COMM (Roadster models with M/T)	121	2	KEY SLOT SW	44	: 0	- [Roadster models]
83	æ	KYLS ENT RECEIVER (FROWT) COMM (Except for readster models with M./T)	123	М	IGN F/B	20	>	1
87	BR	COMBI SW INPUT 5	124	ΡC	PASSENGER DOOR SW	51	>	1
88	^	COMBI SW INPUT 3	129	0	TRUNK LID OPENER CANCEL SW	52	В	 [Roadster models with M/T]
88	BR	PUSH SW	130	٦	REAR DEFOGGER SW	52	GR	 [Except for roadster models with M/T]
90	۵	CAN-L	132	>	POWER WINDOW SW COMM [Coupe models]	53	Α	1
91	_	CAN-H	132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]	54	g	1
95	₂	KEY SLOT ILL	133	œ	PUSH BUTTON IGNITION SWILL POWER [Roadster models with M/T]	55	œ	I
93	>	ON IND	133	5	PUSH BUTTON IDNITION SWILL POWER [Except for resident models with MrT]			
92	0	ACC RELAY CONT	134	GR	LOCK IND			
96	>	A/T SHIFT SELECTOR POWER SUPPLY	137	0	RECEIVER/SENSOR GND [Roadster models with M/T]			
97	-	S/L CONDITION 1	137	۵	RECEIVER/SENSOR GND [Except for roadster models with M/T]			
86	۵	S/L CONDITION 2	138	>	RECEIVER / SENSOR POWER SUPPLY			
66	ď	SHIFT P [With A/T]	139	٦	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM			
66	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]	140	9	SHIFT N/P [With A/T]			
66	œ	CLUTCH PEDAL POS SW [Roadster models with M/T]	140	5	P/N POSITION SW [With M/T]			
100	9	PASSENGER DOOR REQUEST SW [Roadster models with M/T]	141	>	SECURITY INDICATOR			
100	GR	PASSENGER DOOR REQUEST SW [Except for readster models with M/T]	142	0	COMBI SW OUTPUT 5			
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]	143	۵	COMBI SW OUTPUT 1			
101	>-	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]	144	9	COMBI SW OUTPUT 2			
102	0	BLOWER FAN MOTOR RELAY CONT	145	_	COMBI SW OUTPUT 3			
103	ΓG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	146	SB	COMBI SW OUTPUT 4			
102	胺	KYLS ENT RECEIVER (REAR) PWR SUPPLY	149	*	TIRE PRESSURE WARN CHECK SW			

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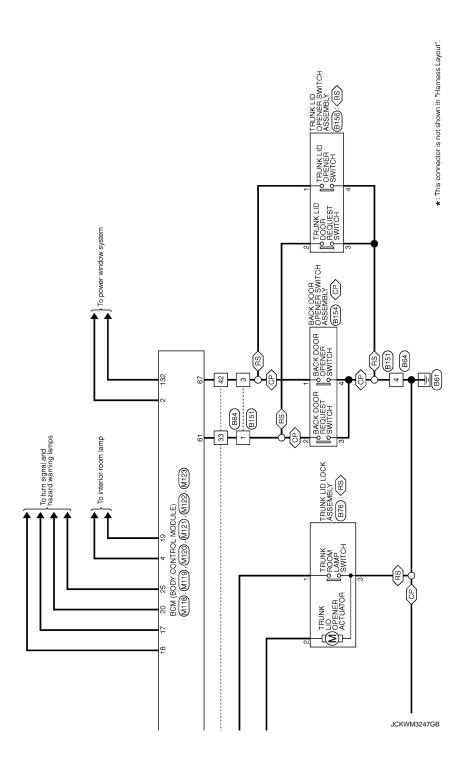
INTELLIGENT KEY SYSTEM











< WIRING DIAGRAM > [ROADSTER]

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	B54 OUTSIDE KEY ANTENNA (REAR BUMPER)				≪	1	((2)				Signal Name [Specification]	1	1				,	¥					4 5	Q 10 11 12	-11 21 2			9	Signal Name [Specification]	1	ı		1	1	1																								В	
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	BIB DRIVER SIDE DOOR SWITCH	M-		E	K	1	2]		Signal Name [Specification]						INSIDE KEY ANTENNA (TRUNK ROOM)	2FGY			<	\					[+5 3]N 3	olgriai ivarire Lop	I	I				HI VINITEINE KEN VINTEININ	SIDE NET ANTENNA	2MGY		•	<		(2 1)				Signal Name [Specification]		-												F	
	Je J											9	ś		tor No. B27	Γ	Connector Name INSII	Connector Type RK02FGY	1									of Wire	>	SB			Connector No. B36	Ι.		Connector Type RK02MG)				ı						of Wire	2 >												G	
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60 LG	Connector Type NS12PVF-CS H.S. 5 4 3 2 1 1 12 11 10 9 8 7 6	Terminal Golor Signal Name [Specification] No. of Wire Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] Signal Name S	Connector No. B148 Cornector Name OUTSIDE KEY ANTENNA LH Connector Type RK02MGY	Terminal Golor Signal Name [Specification] No 1 LG -
Connector Name WIRE TO WIRE Connector Type TH40FW-14H M.S. Connector Type TH40FW-14H M.S. Connector Type TH20FW-14H Co	Terminal Color Signal Name [Specification] Color Col	3> 0 ² > ¬ a o œ	Connector No. 882 Connector Type WIRE TO WIRE Connector Type INS16FW-CS The State	Terminal Codor Signal Name [Specification] No. of Wire - 52 P - 53 G - 56 B - 57 B - 57 B - 58 Y - 59 B -
Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 1	Terminal Color Signal Name [Specification]	2 LG	H.S.	
INTELLIGENT KEY SYSTEM	Terminal Color Signal Name [Specification] Color Col	Connector Type RS94FB-PR		

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[ROADSTER] < WIRING DIAGRAM >

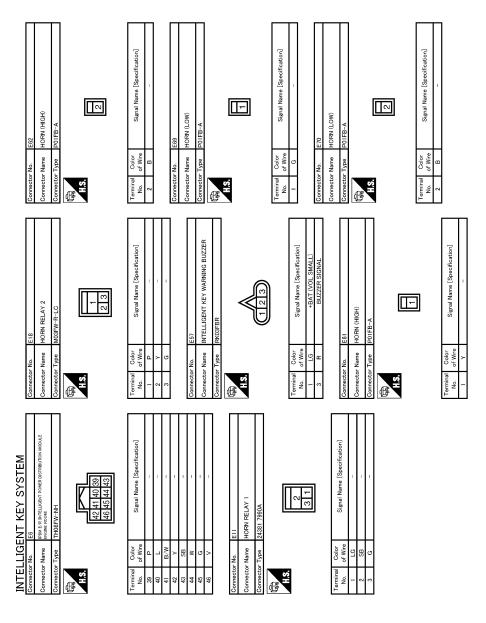
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100 Y - [Roadster models] 98 W - [Coupe models] 98 V/B - [Roadster models] 99 V/B - [Roadster models] 99 C - [Coupe models] 99 C Coupe models] 100 BZ C C C C C C C C C	В
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INTELLIGENT KEY SYSTEM Connector Name 0.UTSIDE KEY ANTENNA RH Connector Name 0.UTSIDE KEY ANTENNA RH Connector Name Signal Name [Specification] Color Connector Name RSO4MB Connector Name Color Color	Terminal Golor Signal Name [Specification] No. of Wire Signal Name [Specification]
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14 L ROOF OPEN / CLOSE SWITCH (CLOSE) 15 LG ROOF OPEN / CLOSE SWITCH (OPEN) 16 V TRUNK ROOM LAMP SWITCH 17 BG CAN L 18 P CAN L 19 LG LOCAL COMMUNICATION (ECON) 21 BR SERIOS POWER SUPPL (ROOF STREER SERIOR PED 22 DG ROOF OPEN CHOSE SWITCH (GND) 23 P ROOF OPEN CHOSE SWITCH (GND) 24 ROOF OPEN CHOSE SWITCH (GND) 25 PG ROOF OPEN CHOSE SWITCH (GND)	Connector Name SOFT TOP CONTROL UNIT Connector Type NS12FW-CS	48 49	Terminal Color Signal Name [Specification] Color Color TRUMK OPENER ACTUATOR Color Col				
Connector No. B302 Connector Name WIRE TO WIRE Connector Type NS16MW-CS (\$\frac{1}{2}\) (\$\frac{1}{2}\) (\$\frac{1}{2}\) (\$\	Terminal Color No. of Wire Signal Name [Specification] S.	57 B	++++	Connector No. B303 Connector Name SOFT TOP CONTROL UNIT Connector Type TH40FB-NH	1.85	Terminal Color Signal Name [Specification]	POW ROC
Connector No. B242 Connector Name FUEL LID LOOK ACTUATOR Connector Type M04FW-LC	N Nire	Connector No. B301 Connector Name WIRE TO WIRE Connector Type TH40MW-NH	H.S. I. S. G. F. S. D. F. D. D. T. S. D. F. S. D. S. D	Terminal Color Signal Name [Specification] A LG LG C C C C C C C C C	HHH	88 O P B B C C	-
INTELLIGENT KEY SYSTEM Connector No. 8209 Connector Name OUTSIDE KEY ANTENNA RH Connector Type RK02MGY	R R Kire	Connector No. 8216 Connector Name PASSENGER SIDE DOOR SWITCH Connector Type A03FW	₩ 	Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 2 LG -	9 e		Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 1 V

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[ROADSTER] < WIRING DIAGRAM >

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PASSENGER SIDE DOOR LOOK ASSEMBLY EDGFGY-RS	Signal Name [Specification] E5 C1 THEORY - CS12-M4-1V Signal Name [Specification] Signal Name [Specification]	В
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No. D31 Name WIFE TO WIFE TH40FW-CS15	Signal Name [Specification] - [With BOSE system] - [Without BOSE system] - [Coupe models without BOSE system] - [Ecept for coupe models without BOSE system] - [Coupe models] - [Readster models] - [Readster models] - [Readster models] - [Signal Name [Specification]]	F
D31 MRE TO WIRE D91 MRE TO WIRE D92 MRE TO WIRE D93 MRE TO WIRE D94 MRE TO WIRE D95 MRE TO WIRE D95		G
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QUEST SWITC	Specification]	I
DI3 PRIVER SIDE DOOR REQUEST SWITCH RROZFL.	E DOOR LC	J
DRIVER RK02FL		
Connector No. Connector Name Connector Type H.S.	Terminal Cador No. of Wire 1	DLk
Connector Connector Connector	Terminal No. Connecto	
		L
EM 4 3 2 1	Signal Name (Specification) - Coupe models - (Roadster models) - (Rouge models) - (Coupe models) - (Coupe models) - (Coupe models) - (Coupe models) - (Roadster models) - (Roadster models)	M
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< WIRING DIAGRAM > [ROADSTER]

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<u> </u>	Connector No.	т	70 P	1 1	\neg	\neg
ن إ د	Connector Name		Н			Connector Name WIRE TO WIRE
<u> </u>	Connector Type	1H80FW-CS16-1M4	83 ^	1 1	Connector Type NSTUFW-CS	Connector Type TH40MW-CS15
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< WIRING DIAGRAM > [ROADSTER]

INTELLIGENT KEY SYSTEM Connector No. M6	Connector No.	M6	29	_	1	21	g	1	L	81	W	1
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811	72	2	84	7	-	31	М	-		87	BR	-
		. 2	82	BR	-	32	В	-		88	SB	-
			98	Υ	-	33	М	-		93	٨	-
			87	>	- [Roadster models with M/T]	34	٣	-		94	SB	- [Coupe models]
			87	9	- [Except for roadster models with M/T]	35	В	-		94	٦	- [Roadster models]
			88	Д	_	40	_	-		92	GR	- [Coupe models]
Terminal	_	Signal Name [Specification]	91	М	1	41	۳	1		92	×	- [Roadster models]
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-	≻	_	93	۵	_	43	œ	- [Coupe models]		97	LG	[Coupe models]
3	٦	-	94	٨	_	43	>	- [Roadster models]		97	Υ.	 [Roadster models]
4	٦		96	Ъ	-	44	æ	1		86	BG	- [Coupe models]
7	В	-	6	GR	-	45	0	-		. 86	Y/B	- [Roadster models]
80	۵	1	86	0	1	46	g	- [With A/T]	_	66	W	1
6	_	- [Coupe models]	66	М	1	46	SB	- [With M/T]	L	100	В	ı
6	<u></u>	- [Roadster models]	90	œ	1	47	~	- [With A/T]	J T			
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16	Μ	1	Connector Type	r Type	TH80MW-CS16-TM4	58	В	1	J L		1	
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35	>	 [Roadster models with M/T] 				63	띪	- [Roadster models]	ا 1	Į.	•	
35	>	 [Except for roadster models with M/T] 		Į.		64	g	- [Coupe models]	<u>-</u>	la		Signal Name [Specification]
g ;	+		Terminal		Signal Name [Specification]	64	>	- [Roadster models]		o o	e.	
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43	9		11	Υ	-	70	9	- [Roadster models]				
44	5	- [With A/T]	12	^	1	7.1	^	-				
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[ROADSTER] < WIRING DIAGRAM >

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with M/T]	FRONT)	\prod	ion] h M/T] swith M/T] odes with M/T]			Α
- [Except for roadster models with M/T]	- Coupe models - Roadster models - Roadster models - Roadster models - Roadster models M104 RRMO1F KEVLESS BHTRY RECEIVER (FRONT)	4	Signal Name [Speedination] GND [Readster models with M/T] GND [Except for readster models with M/T] SIGNAL OUTPUT [Except for models with M/T] SIGNAL OUTPUT [Except for models with M/T] SIGNAL OUTPUT [Except for models with M/T]			В
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	9 LG 9 L 10 V 10 R Connector No.	Connector Type	Color Color Color No. Color Of Wire O O O Color O O O O O O O O O			D
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A/C AUTO AMP. CONNECTION PECOGNITION SIGNAL AMBIENT SENSOR GROUND CAN+H	CAN-L GROUND FUEL LEVEL SENSOR GROUND M83 M82 MS2 MS7		Signal Name [Specification] - [With A/T] - [With M/T]	2 3 4 5 6		F
H	M63	1 [O O O O O O O O O O O O O O O O O O O	SHELD Color		G
20 21 21 21	22 P 23 B 24 Y Connector No.	I.S.		Terminal A		Н
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M50 PUSH-BUTTON IGNITION SWITCH	TK08FBR	Signal Name - [Roadster n [Except for roads	MS3 COMBINATION METER TH24FW-NH 3 4 5 6 8 8 145 146 140 140 140 140 140 140 140 140 140 140	Signal Name Signal Name BATTERY P IGNITION TO VEHICLE SPEED ILLUMINATION RODE SIT AMUNICATION SIGNAL AND SIGNAL AIR BAR AIR BAR GR AMBIENT SI		J
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		ation] vith M/T] Jels with M/T]	IAL INTERPRETATION	atton]		_
SYSTEM	0	Signal Name [Specification] BAT [Roadster models with M/T [Except for roadster models with CLOCK DATA ILL BAT ILL	CONNECTOR 14 16 4 5 6 7 8	Signal Name [Specification]		M
NT KEY M22 KEY SLOT	THI2FW-NH	Signal BAT [Except f	M24 M24 DATA LINK CONNECTOR BD16FW 111 14	Signal		Ν
INTELLIGENT KEY SYSTEM Connector Name KEY SLOT KEY SLOT	Connector Type	Terminal Color 1 of Wire 1 R 2 GR 3 W 5 Y 6 LG	ector No. ector Type	Terminal Octor No. Octor N		0
	€	<u>-</u>	Conn Conn	<u> </u>	JCKWM3256GB	
						D

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< WIRING DIAGRAM > [ROADSTER]

INTE	LIGEN	INTELLIGENT KEY SYSTEM									
Connector No.	П	M117	ý	0 99	- [Coupe models]		м	BAT (F/L)	H	Ц	
Connector Name		WIRE TO WIRE	9 9	99 C	- [Roadster models]	2 6	≥ >	POWER WINDOW POWER SUPPLY (BAT) POWER WINDOW POWER SUPPLY (IGN)	30 R	LUGGAGE ROOM LAMP OUTPUT	
Connector Type	П	TH80MW-CS16-TM4	ő	68 P	- [Coupe models]] 					
4			9	68 GR		Į.	ŀ		Connector No.	M121	
#		8	9	+	- [Coupe models]	Conne	Connector No.	M119	Connector Name	BCM (BODY CONTROL MODULE)	
Ź			٦	80 02	- [Roadster models]	Connec	Connector Name	BCM (BODY CONTROL MODULE)	Connector Type	TH40EGY-NH	
		8 8 8 7 8 8 8 9 8 7 8 8 7 8 8 7 8 8	ľ	02	- [Roadster models]	Conne	Connector Type	NS16FW-CS		1	
			Ö	┝	- [Coupe models]][F		
			Ö	┞	- [Roadster models]	修			Š		
			8	81 Y	-	HS.	L				
Terminal	Color	Signal Name [Specification]	Ø	82 W	1	 		4 5	1	67 66 64 64 67	
No.	of Wire		80	+	Ī	7	_	1 13 14 15 17 18 19	1		
2	GR.	- [Coupe models]	[∞]	+	İ		41				
2	EG LG	 [Roadster models] 	8	┪	I	T			ŀ		
က	0	- [Coupe models]	ω	σ̈́	- O.	 	L		lal	or Signal Name [Specification]	
က	В	 [Roadster models] 	∞	87 G	ſ	Terminal	_	Signal Name [Specification]	No. of Wire	-	
4	>	- [Coupe models]	œί	\dashv	ı	° N	of Wire	4	+	┪	
4	ŋ	 [Roadster models] 	ω	┪	1	4	œ	INTERIOR ROOM LAMP POWER SUPPLY	\dashv	7	
7	LG	- [Conbe models]	တ	90 SHIELD		2	G	SUPER LOCK OUTPUT [Coupe models]	\dashv	1	
_	>	 [Roadster models] 	oi l	92 G	- [Coupe models]	2	>	SUPER LOCK OUTPUT [Roadster models]	35 R	LUGGAGE ROOM	
8	FG	_	6	92 LG	 [Roadster models] 	8	>	ALL DOOR, FUEL LID LOCK OUTPUT	_		
6	Υ	_	6	93 R	- [Coupe models]	6	9	DRIVER DOOR, FUEL LID UNLOCK OUTPUT	39 W	П	
Ξ	В	_	6	93 V	- [Roadster models]	=	BR	BAT (FUSE)	47 Y	IGN RELAY (IPDM E/R) CONT [Roadster models with M/T]	
20	G	_	Ó	94 SHIELD	.D - [Coupe models]	13	В	GND	47 \	IGN RELAY (IPD	
21	В	_	Ó	94 G	- [Roadster models]	14	œ	PUSH-BUTTON IGNITION SW ILL POWER	52 SB	S STARTER RELAY CONT	
30	В	_	6	95 SB		15	Υ	ACC IND	61 W	Н	
40	0	_	6	95 LG	- [Roadster models]	17	W	TURN SIGNAL RH (FRONT, SIDE)	61 W	TRUNK LID REQUEST SW [Roadster models]	
41	Υ	-	6	97 LG	- [Coupe models]	18	0	TURN SIGNAL LH (FRONT, SIDE)	64 V	1-KEY WARN BUZZER (ENG ROOM) [Roadster models with M/T]	
42	9	-	6	Y 76	- [Roadster models]	19	Ь	ROOM LAMP TIMER CONTROL [Coupe models]	64 G	I-KEY WA	
43	٦	_	6	۸ 86	- [Coupe models]	19	^	ROOM LAMP TIMER CONTROL [Roadster models]	_	Н	
44	SB	_	6	98 Y/B	- [Roadster models]				66 R	TRUNK ROOM LAMP SW [Roadster models]	
51	œ	-	6	99 G					Н	Н	
52	g	1	7	100 BR	- [Coupe models]	Conne	Connector No.	M120	67 GR	TRUNK LID OPENER SW [Roadster models]	
53	SHIELD	-	7	100 Y	- [Roadster models]		Connector Name	BCM (BODY CONTROL MODILLE)			
54	PC	- [Coupe models]									
54	æ	[Roadster models]	Ĺ		•	Conne	Connector Type	NS12FW-CS			
22	> ;	- [Coupe models]	Con	Connector No.	M118	₫ Т					
66	- 1	- [Koadster models]	Conr	Connector Name	BCM (BODY CONTROL MODULE)	*					
8 6	on o	[olopom careO] =	٤	Connector Type	MOSEBLIC			100			
S	,	Coupe models		2000	MOSI D EO	7					
20	1 0	- [Roadster models]	1	•				25 26 30			
200	-	- [Dondator models]	_	ſ							
8 8	-	[Signal Brown]	1	ė							
8	3				1 3	Ŀ	-				
3 5	<u> </u>	1			121	S S	_	Signal Name [Specification]			
9	<u></u>]	20	>	THRN SIGNAL BH (BEAR)			
3 2	, >					2 62	-	BACK DOOR OPEN OFITPIT [Gourse models]			
64	-	,	Terr	Terminal Golor] E	1 >	TRINK I ID OPEN CHITPLIT [Boadster models]			
3	ا ر		ž	_	Signal Name [Specification]	2 6	- 0	DEAD FOR COLTENIA			
3	5]	1	D]]	٥	חבאה רטע טטורטו			

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< WIRING DIAGRAM > [ROADSTER]

Ź	rellig	INTELLIGENT KEY SYSTEM											
Conn	Connector No.	M122	106	М	S/L UNIT POWER SUPPLY	П	H	\vdash	DRIVER DOOR SW	Terminal	Color	Signal Name [Specification]	
Conn.	Connector Name	BCM (BODY CONTROL MODULE)	100	5 0	COMBLEW INPUT 1	T	151	5	REAR WINDOW DEFOGGER RELAY CONT	Ť	or wire	1	T
Conn	Connector Type	TH40FB-NH	8 6	< >	COMBI SW INPUT 2	Τ				- 2	; >	1	Т
ą			110	9	Я	[L/W	Connector No.	No. M124	24	3	٦	1	П
\$	_		110	ء ء	HAZARD SW [Except for roadster models with M.	vith M/T]	Connector Name		WIRE TO WIRE	4	В	1	
4	Σ 20			_	S/L UNIT COMM	7	Connector Type	Т	TH40MW-CS15	e e		1 1	Т
	91 90 88	99 98 87 83 82 81 80 79 78 77 76 75 74 73 72						1		۲	: *	1	Τ
	111111111	0810/108105 108108101100188188187186185 183	Connector No.	П	M123	П	修			∞	۵	ı	П
			Connector Name	or Name	BCM (BODY CONTROL MODULE)		HS	1 2 3 4	5 6 7 8 9 10 11 12 13 14 15	o (> 0	1	Т
Torsa		L	Connector	Type	HUAOGOLNIH	T	<u> </u>	61718192021	122223242528 383738394041424344456	0	×	1	٦
No.	of Wire	Signal Name [Specification]			5	1		272829303:	272829303132333435 474849505152535455				
72	_	ROOM ANT 2- [Roadster models with M/T]	修				J			Connector No.	Vo. M253	53	Г
72	H	Г	\$ \							N separate		EDIN OF EDIN	Γ
73	Н	П		_	/	F	Terminal (Color	Simal Name [Specification]	COIIIICO		NE LO MINE	1
73	В В	П		130 129	(3) (2) (2) (2) (2) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	21 8		of Wire	orginal Name Copecimoatron	Connector Type		TH12FW-NH	П
74	\dashv	4				al .	10	G	- [Coupe models]	4			
ř	£	PASSENGER DOOR ANT+					10	>	- [Roadster models]	至			
~	\dashv	4		ŀ			Ξ	>	- [Coupe models]	HS.		<u> </u>	
12	ت اد		Terminal		Signal Name [Specification]		┥	LG D	- [Roadster models]			6 6 1 2 2 1	
78		ROOM ANT 1- [With A/T]	No.	of Wire			┥	EG.	1			t :	
~	+		113	0	OPTICAL SENSOR		13	>	1		<u> </u>	7 8 6 01 11 71	
79	+		114	œ	CLUTCH INTERLOCK SW		4	æ	1		J		
79	£ :	4	112	0	SHOCK SENSOR	1	12	>	1		ŀ		Г
20 0	+	NAIS ANI AME.	91	9	STOP LAMP SW 1	T	+	<u></u>	1	e e	Color	Signal Name [Specification]	
18	+	1	8 5	1	STOP LAMP SW 2	T	+	4/B	1 3	ON.	or wire		T
8	¥ ;	Ť	<u> </u>	9 4	DR DOUR UNLUCK SENSOR	Ī	44	r (- [Coupe models]	- (SHELD	1	Т
xó là	+	KYLS EN I RECEIVER (FRONT) COMM [Roadster models with M/1]	7 5	<u> </u>	KEY SLUI SW		44);	- [Koadster models]	7 0	ם מ	1	Т
oó l G	5 6	KYLS ENT NECEIVER OF NOW 1) COMM (Except for readstor)	52	s (IGN F/B	Ī	00	- >	1	7	r	1	Τ
6	+	COMBI SW INPUT 3	190	2 0	TELINIC ID OPENED CANCEL SW	701.	52	- (December of the Control of T	4 u	š (- Company on the	I
ő	> B		130	} -	DEAD DEFOCER ON		50	5 8	From for models with M/T]	o 4	L	[clouds as a color	Т
8	+		200	٠ >	DOWED WINDOW SW COMME TO		32	5 3	Except for roadster models with M/ I]	n e	5 -	[Lyoadster models]	Т
90	-	CAINEL	133	- >	BOW SW 8 SOET TOB CALLOOMM [Boodston models]	models	22	* C	r	0 %	_ _ _	- [Doodster models]	Т
66	F	Ä	133	۵.	PUSH BUTTON IGNITION SWILL POWER Readstore models with M/T	s with M/T	55	, a	1	T	SHIFLD	Ferancia corenati	T
٥	╀		133	٢	PUSH BUTTON IGNITION SWILL POWER (Except for condutor models with M	ds with MCT		1		α	SHIFLD	1	Τ
6	. 0	ACC RELAY CONT	134	, g	LOCKIND					Т	G	1	Π
96	>	A/T SHIFT SELECTOR POWER SUPPLY	137	0	RECEIVER/SENSOR GND [Roadster models with M.	vith M/T]	Connector No.	No. M137	.37	. 01	~	1	Γ
97	_	S/L CONDITION 1	137	۵	R/S	s with M/T]			000000000000000000000000000000000000000				1
86	F		138	>	RECEIVER / SENSOR POWER SUPPLY	ЪГУ	Connector Name		A/T SHIFT SELECTOR				
66	┞		139	-	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM	/ COMM	Connector Type	Т	TK10FW				
66	F	CLUTCH PED,	140	G	SHIFT N/P [With A/T]] [1					
ľ	╀	T	140	ع	T/M H-M/ WS NOITISOUN/A		Ø						
3 5	╀	t	141	,	SECURITY INDICATOR	T	ě E	,					
=	9 0	Т	1,43	. c	COMPLEM OUTBUT 5	T	2	_	[•][
= =	+	Properties book request on testing rounding with \$6.12	7#.	ء د	S LOWIS SW COLLEGE	T		_	1				
5	g >	Т	2	. (COMBI SW CUITOIL I	T			5 6 7 8 9 10				
5	+	DELOCK RECUES SW [Except for roadster modes with N/ I]	# ;	5 .	COMBI SW CUIPULZ	T		_					
=[+	T	£ ;	-	COMBI SW OUTPUL 3	T							
103	5 6	KYLS ENI KECEIVEK (FKONI) PWK SUPPLY	40	98 8	TIPE DESCRIBE WARN CHECKS	W.O							
2	4	KYLS EN RE	-48	٨	SSURE WARN CHECK	M.O.							
J													
СК													
ΚW													
۷N													
M32													
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вG													
В													
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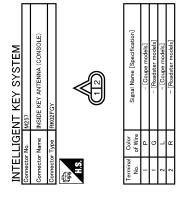
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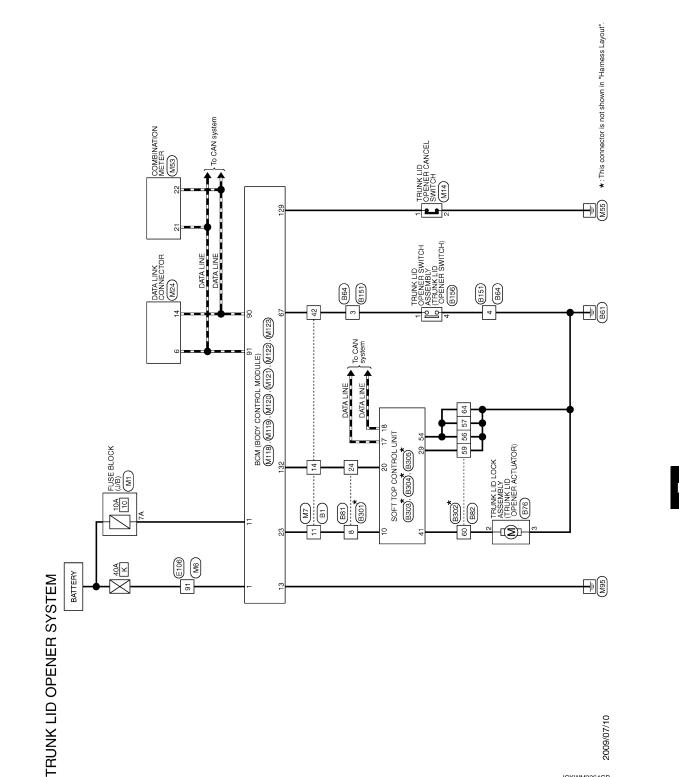
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JCKWM3259GB

Wiring Diagram INFOID:0000000005396127



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< WIRING DIAGRAM > [ROADSTER]

TRUNK	XI S	Connector No IRI	G	×	1	Connector No.	B64	Termina	Color		_
	١.	т	52	2	1	:		Š.	-	Signal Name [Specification]	
Connec	Connector Name	WIRE TO WIRE	23	SHIELD	Q	Connector Name	WIRE TO WIRE	4	М	1	
Connect	Connector Type	TH80FW-CS16-TM4	28	В	-	Connector Type	RS04FB-PR	9	BR	-	
4			09	>	1	ą		9	В	ı	
手			19	SB		AHT.		8	>-	T	
N.	_		62	SHELD		S.	Ę(o ;	+	-	
		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2	ř >	1 1		(21)	4 5	5 9	1 1	
			5	SHELD	-		<u>\$</u>	9 9	3 >		
		20 20 20 20 20 20 20 20 20 20 20 20 20 2	99	۵	_)	17	ŋ	-	
			67	-	1			24	Pl	1	
Terminal	al Color	Signal Name [Specification]	89	SHIELD		lal	Signal Name [Specification]	25	> .	-	
ÿ,	of Wire		69	۰ ۵	-	No. of Wire		E 8	، ر	-	
- -	9 8		2 7	5 >	1 1		- [Coupe models]	35	1 0	1	
7 6	2 0	- [Boadeter models]	- 62	> 0		- 0	Fundancer models	* E	٩	(1	
4 69	>	Fernan Company	1 22	- 8		ŀ					_
4	. >	1	74	8		╁					
9	>	1	75	0	1			Conne	Connector No.	B82	_
7	9	1	80	>	1			,		LOST OF LOST	_
æ	GR		8	œ	,	Connector No.	B76	Conne	Connector Name	WIRE TO WIRE	
6	SB	-	82	В	-	Nomon Nomo	> IdMass According to	Conne	tor Type	Connector Type NS16FW-CS	_
11	Υ	-	83	GR	-	COILLECTOR MAINE	INDIAN EID EOON ASSEMBEI	ą			
12	W	-	84	9	- [Coupe models]	Connector Type	NS03FW-CS	F			
13	BB	1	84	٦	- [Roadster models]	Q		H.S.			
4	PC		82	P.	1	THE T				53 52	
12	ш :	1	98	> {		S. E.			99	66 65 64 63 62 61 60 59 58	
9 5	> {		87	# 6			######################################		Ц		
20	gg ,		88	g :	1		1 2 3				
2 2	υ (93	≻ .	1				L		_
22	뚱 :		94	1	- [Coupe models]			Terminal	Color	Signal Name [Specification]	
3	> (1	g 6	9 8	- [Koadster models]	┡		S S	†		
₅	⇒ .	1	S S	5		lerminal Color	Signal Name [Specification]	2 2	1	1	
22		1	C o	2 -	- [Koadster models]	+		50	5 0	r	
07	1 3		90	۰ >		- 6		000	۵ م		_
8	: a		86	. 3	- [Coune models]	t		25	a a	1	_
8		- [Coupe models]	8	Υ/Β		†		8	>	1	_
8	. 3	- Roadster models	8	2				65		1	_
8	-	Forester (managed)	8 2	6	1	Connector No.	1881	8 8	, <u>e</u>	1	_
88	_					:		19	_	1	_
40	>	-				Connector Name	WIRE TO WIRE	62	_	1	_
14	-	-				Connector Type	TH40FW-NH	63	_	1	
45	g							99	В	1	
43	8	1				IF		65	>	1	_
4	~	1				S E		99	>	1	
45	BG	- [Coupe models]					\langle				
45	0					20 19 18	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1				
46	SB	1				40 38 38	32 31 30 28				
47	>										
48	SHIELD										

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[ROADSTER] < WIRING DIAGRAM >

	А
SOFT TOP CONTROL UNIT MOSFB-NH Signal Name [Specification] Signal Name [Specification]	В
8 8 30 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	С
	D
INTERPLETED TO THE SERVICE OF THE SE	Е
TOP CONTROL UN B-NH Control Co	F
N. N	G
Terminal	Н
Signal Name [Spaceification]	I
B302 WIRE TO WIRE NS Ignal Name [Specifi	J
Color No. Color Color Color No. Color No. Color Color No. Color No. Color Color No. Color Color No. Co	DLK
	L
ame [Specificatio	M
10 OPE 11 11 11 11 11 11 11	Ν
TRUNK L Connector Non Connector Type I	0
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[ROADSTER]

1 .	70 R =	H	Н	83 V =	\dashv	85 BR –	> :	> '	G - Except for roads	1	\$ (<u>a.</u>	93 P	94 Y –	- d 96	. 6	45	-	- M 66	· ·																																	
M6	WIRE TO WIRE	TH80MW-CS16-TM4			12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 1 1 1 1 1 1 1 1	99 CO	56 200 51 52 50 50 50 50 50 50 50 50 50 50 50 50 50			Signal Name [Specification]			1				_	- [Coupe models]	- [Roadster models]	Telepoli escapoli	1		1		1	1	1	1	- [Coupe models]	- [Roadster models]	- [Roadster models with M/T]	- [Except for roadster models with M/T]	- [Roadster models with M/T]	= [Except for roadster models with M/T]					1		1	1	_	1	1		(A) A COMP	- [With A/T]	[With M/T]	1	ī	
Connector No.	Connector Name	Connector Type		医	H.S.	l				H	lerminal Golor	+	> _	3 L	-		+	8 8	٦ 6	8	Ŧ	+	2 .	4	+	+	\dashv	+	20 GR	21 BR	21 R	31 L	31 BR	H	33	ł	ł	ľ	+	+	+	+	+	40 W	41 LG	H	ł	+	4	44 R	45 0	L	ł
П			$\ \ $																																		luo																
п	1 1	1	1	1	- [Coupe models]	- [Roadster models]	1	1	1	1	1	1	1	1	1		'	_	- [Coupe models]	- [Roadster models]	Consultation of the consul			M1	FUSE BLOCK (J/B)		NS06FW-M2				3A 1A	04 74 64 54 44	OH WONDY TO				Signal Name [Specification]		1	П		1	ı	_	1	1							
	M d		- ^							M .			<u> </u>		- 88				BG - [Coupe models]				Γ	T		Т	٦				3A 0 2A	9A 7A 6A 5A AA	NA WOWN HO]		Color	of Wire		- 0			-					-						
a. ;		9	Н	7	BG	0	PC	2	٥	\$.	7	9	>		H	: 8		_	1	0	- - -		Γ	Connector No. M1	Connector Name FUSE BLOCK (J/B)	Т	Connector Type NS06FW-M2	₫.	MATT		3A 0 2A	9A 7A 6A 5A AA	NT WOWN HO]		L	of Wire	t	. 0	» -		2	7	*			1						
70 P	× a	9	83	84 L		0 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PC	87 R	a :	\$.	Signal Name [Specification]	9 :	>	*	H	: 8	20 28	66	- BG	0 001	222		Γ	T		Т	٦	4	す	SE SE	3A 0 2A	OA 70 64 54 14	AS TANAMA			Color	of Wire		- 0	» -	7	2	5A L	*	BR		M/T	רבי היינית וומתפוי אורו וויין	- [Coupe models]	- [Roadster models]	1		
70 P	80 W	82 G	83	84 L		85 O	98 To 100 100 100 100 100 100 100 100 100 10	87 R	a :	M .	92 L	9 :	>	*	H		ND 88	66	- 100 BG	0 001		> a		- Connector No.	Connector Name		- Connector Type	1	手 -	SE SE	3A 0 12A	L	NO.			Terminal Golor	- No of Wire			77 42	1 45	- A4	- 5A L	6A Y	BR	- [Roadster models with M/T] 8A L	- [Event for readster models with M/T]	1		O - [Roadster models]	M		

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< WIRING DIAGRAM > [ROADSTER]

	TRUN	TRUNK LID OPENER SYSTEM				
	Connector No.	No. M7	H	-	Connector No. M14	Connector No. M53
	Connector Name	Name WIRE TO WIRE	$^{+}$	1	Connector Name TRUNK LID OPENER CANCEL SWITCH	Connector Name COMBINATION METER
-	Connector T	Type TH80MW-CS16-TM4	3) SAIELD		Connector Type S02FW	Connector Type TH24FW-NH
-	ŀ		╀	- [Coupe models]		
	修		L	- [Roadster models]		修
	HS		Н	- [Coupe models]	H.S.	T T
			┪	- [Roadster models]		123456
		8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	<u></u>		-] c	15 16 17 18 19 20 21 22 23
			26 28 28 38	- Loupe models]	9	11 12 12 12 12 12 12 12 12 12 12 12 12 1
			╀	- [Coupe models]		
_			H	- [Roadster models]	Color	Color
	No.	of Wire Signal Name [Specification]	65 SHIELD		No. of Wire Signal Name [Specification]	No. of Wire Signal Name [Specification]
	-	BR -	П	- [Coupe models]		1 V BATTERY POWER SUPPLY
	2	- 0	d 99	- [Roadster models]	2 B -	2 0 IGNITION POWER SUPPLY
	3	Te	۸ / 29	- [Coupe models]		3 L VEHICLE SPEED SIGNAL (2-PULSE)
	4	- 0		- [Roadster models]		4 Y VEHICLE SPEED SIGNAL (8-PULSE)
	9		68 SHIELD		Connector No. M24	5 B ILLUMINATION CONTROL SIGNAL
_	7	T	4	- [Coupe models]	Coppector Name DATA LINK CONNECTOR	╛
	8	SB -	69 R	- [Roadster models]		9 BR COMMUNICATION SIGNAL (METER->TRIPLE METER)
	6			- [Coupe models]	Connector Type BD16FW	L
	11	· -	70 G	 [Roadster models] 	d	S.
	12	_	┨	1	(AHA)	7
	13	BR	72 P	1		16 R AIR BAG SIGNAL
	4	^	+	1		œ
	15	1	\dashv	1	13/15/8/78	>
	91		\dashv	1	Ŧ	G A/C AUT
	20		\dashv	1		GR AMBIENT
	21		81 W	1	L	L
	22		+	1	lar	4
	23	^	83 GR	1	No. of Wire	23 B GROUND
	24		\dashv	1	3 <	>
	25	1	85 LG	1	4 B -	
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	45	- 0	98 Y/B	[Roadster models]		
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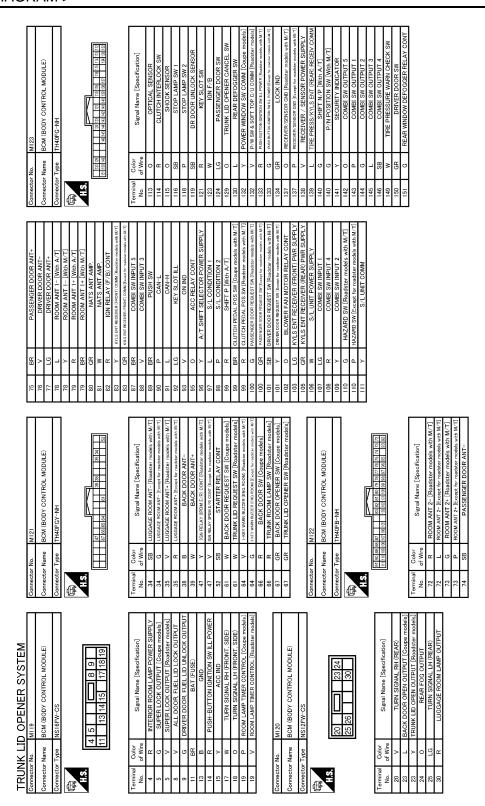
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[ROADSTER]

< WIRING DIAGRAM >



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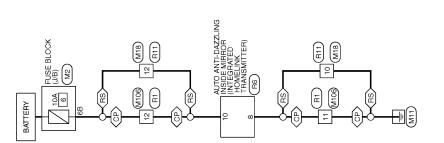
INTEGRATED HOMELINK TRANSMITTER SYSTEM

[ROADSTER] < WIRING DIAGRAM >

INTEGRATED HOMELINK TRANSMITTER SYSTEM

Α Wiring Diagram INFOID:0000000005602007





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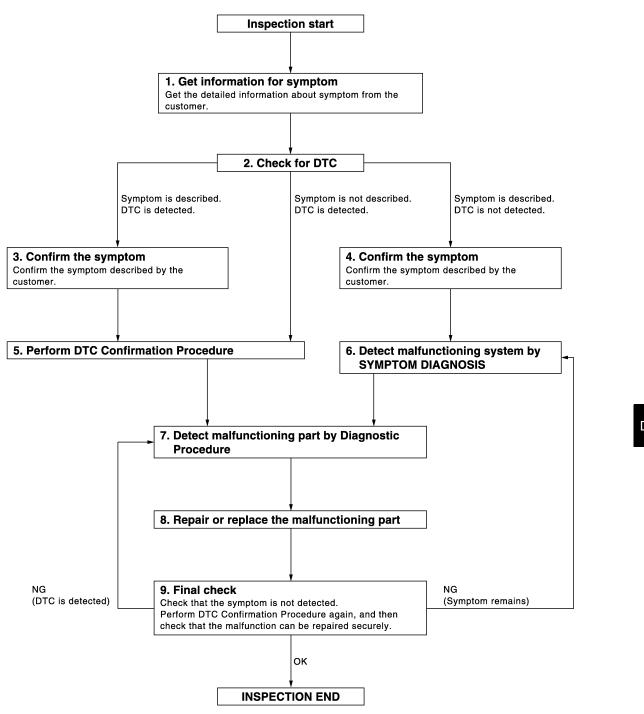
< BASIC INSPECTION > [ROADSTER]

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [ROADSTER]

1.GET INFORMATION FOR SYMPTOM

- Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).
- 2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2. CHECK FOR DTC

- 1. Check DTC for BCM and convertible roof.
- 2. Perform the following procedure if DTC is displayed.
- Record DTC and freeze frame data (print them out with CONSULT-III).
- Erase DTC
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- 3. Check related service bulletins for information.

Are any symptoms described or any DTC detected?

Symptom is described, DTC is displayed>>GO TO 3.

Symptom is described, DTC is not displayed>>GO TO 4.

Symptom is not described, DTC is displayed>>GO TO 5.

3.confirm the symptom

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in the "DATA MONITOR" mode and check real time diagnosis results. Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in the "DATA MONITOR" mode and check real time diagnosis results. Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC Confirmation Procedure for the displayed DTC, and then check that DTC is detected again. At this time, always connect CONSULT-III to the vehicle, and check diagnostic results in real time. If two or more DTCs are detected, refer to BCS-85, "DTC Inspection Priority Chart" (BCM), RF-40, "DTC Inspection Priority Chart" (convertible roof) determine trouble diagnosis order.

NOTE:

Perform Component Function Check if DTC Confirmation Procedure is not included in Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check. If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC Confirmation Procedure.

Is DTC detected?

YES >> GO TO 7.

NO >> Refer to GI-39, "Intermittent Incident".

$oldsymbol{6}.$ DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptoms.

>> GO TO 7.

7. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

NOTE:

DIAGNOSIS AND REPAIR WORK FLOW

[ROADSTER] < BASIC INSPECTION >

The Diagnostic Procedure described based on open circuit inspection. A short circuit inspection is also required for the circuit check in the Diagnostic Procedure.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check voltage of related BCM and retractable hard top control unit terminals using CONSULT-III.

8.repair or replace the malfunctioning part

- 1. Repair or replace the malfunctioning part.
- Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replace-2. ment.
- Check for DTC. If DTC is displayed, erase it. 3.

>> GO TO 9.

9. FINAL CHECK

When DTC was detected in step 2, perform DTC Confirmation Procedure or Component Function Check again, and then check that the malfunction has been repaired securely.

When symptom was described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Does the symptom reappear?

YES (DTC is detected)>>GO TO 7.

YES (Symptom remains)>>GO TO 6.

>> INSPECTION END NO

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INSPECTION AND ADJUSTMENT

< BASIC INSPECTION > [ROADSTER]

INSPECTION AND ADJUSTMENT ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Description

INFOID:0000000005396130

Perform the system initialization when replacing BCM, replacing Intelligent Key or registering an additional Intelligent Key.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Special Repair Requirement

Refer to CONSULT-III operation manual for the NATS-IVIS/NVIS.

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DTC/CIRCUIT DIAGNOSIS

B2621 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT-III display description	DTC detecting condition	Possible cause
B2621	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (instrument center) is sent to BCM	Inside key antenna (instrument center) Between BCM ~ Inside key antenna (instrument center)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- 3. Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "Work Support" of "INTELLIGENT KEY".
- Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-279</u>, "<u>Diagnosis Procedure</u>".

NO >> Inside key antenna (instrument center) is OK.

Diagnosis Procedure

INFOID:0000000005525058

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

- Turn ignition switch OFF.
- Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(-)	Condition	Signal (Reference value)		
Connect	or	Terminal					
Instrument center	M122	78, 79	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB		
mstrument center	WIZZ	70,79	Glodila	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB		

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

1. Disconnect BCM connector and inside key antenna (instrument center) connector.

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B2621 INSIDE ANTENNA

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Check continuity between BCM harness connector and inside key antenna (instrument center) harness connector.

В	CM	Inside key antenna	Continuity			
Connector	Terminal	Connector	Terminal	Continuity		
M122	78	M63	2	Existed		
IVITZZ	79	IVIOS	1	Existed		

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity		
Connector	Terminal	Ground	Continuity		
M122	78	Ground	Not existed		
IVITZZ	79		NOT EXISTED		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK INSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace inside key antenna (instrument center). (New antenna or other antenna)
- 2. Connect BCM connector and inside key antenna (instrument center) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(-)	Condition	Signal (Reference value)			
Connect	or	Terminal						
Instrument center	M122	78, 79	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB			
				When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB			

Is the inspection result normal?

YES >> Replace inside key antenna (instrument center).

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

4. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

[ROADSTER]

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B2622 INSIDE ANTENNA

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT-III display description	DTC detecting condition	Possible cause
B2622	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (console) is sent to BCM	Inside key antenna (console) Between BCM ~ Inside key antenna (console)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- 3. Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "Work Support" of "INTELLIGENT KEY".
- Check BCM for DTC.

Is inside key antenna DTC detected?

YES >> Refer to <u>DLK-281</u>, "<u>Diagnosis Procedure</u>".

NO >> Inside key antenna (console) is OK.

Diagnosis Procedure

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch OFF.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(–)	Condition	Signal (Reference value)
Con	Connector Terminal				
Console	M122	72, 73	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 S S S S S S S S S
		,		When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> GO TO 4. NO >> GO TO 2.

2. CHECK INSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and inside key antenna (console) connector.
- 2. Check continuity between BCM harness connector and inside key antenna (console) harness connector.

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< DTC/CIRCUIT DIAGNOSIS >

E	BCM	Inside key ant	Continuity			
Connector	Terminal	Connector				
M122	72	M257	2	Existed		
IVITZZ	73	IVIZOT	1			

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M122	72	Ground	Not existed
IVITZZ	73		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK INSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace inside key antenna (console). (New antenna or other antenna).
- 2. Connect BCM connector and inside key antenna (console) connector.
- 3. Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM Connector Terminal		(-)	Condition	Signal (Reference value)	
Con	nector	Terminal			
Console	M122	72, 73	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
Console M122 /		, . 0	Siguria	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> Replace inside key antenna (console).

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

4. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

[ROADSTER]

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B2623 INSIDE ANTENNA

DTC Logic INFOID:0000000005396134

DTC DETECTION LOGIC

DTC	CONSULT-III display description	DTC detecting condition	Possible cause
B2623	INSIDE ANTENNA	An excessive high or low voltage from inside antenna (trunk room) is sent to BCM.	Inside key antenna (trunk room) Between BCM – Inside key antenna (trunk room)

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
 Select "INSIDE ANT DIAGNOSIS" in "WORK SUPPORT" mode.
- Perform inside key antenna ("INSIDE ANT DIAGNOSIS") on "Work Support" of "INTELLIGENT KEY".
- Check BCM for DTC.

Is inside key antenna DTC detected?

>> Refer to DLK-283, "Diagnosis Procedure". YES

>> Inside key antenna (trunk room) is OK. NO

Diagnosis Procedure

1. CHECK INSIDE KEY ANTENNA INPUT SIGNAL 1

Turn ignition switch OFF.

Check signal between BCM harness connector and ground using oscilloscope.

(+) BCM Connector Terminal		(–)	Condition	Signal (Reference value)	
Trunk room	M121	34, 35	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
TIUNK TOOM				When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> GO TO 4. NO >> GO TO 2.

2.check inside key antenna circuit

- Disconnect BCM connector and inside key antenna (trunk room) connector.
- Check continuity between BCM harness connector and inside key antenna (trunk room) harness connector.

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< DTC/CIRCUIT DIAGNOSIS >

В	СМ	Inside key ante	Continuity	
Connector	Terminal	Connector Terminal		
M121	34	B27	2	Existed
IVIIZI	35	527	1	LXISIEU

Check continuity between BCM harness connector and ground.

В	СМ			
Connector Terminal		Ground	Continuity	
M121	34	Ground	Not existed	
IVITZT	35		ivot existed	

Is the inspection result normal?

>> GO TO 3. YES

NO >> Repair or replace harness.

3.CHECK INSIDE KEY ANTENNA INPUT SIGNAL 2

- Replace inside key antenna (trunk room). (New antenna or other antenna).
- Connect BCM and inside key antenna (trunk room) connector.
- Check signal between BCM harness connector and ground using oscilloscope.

Conr	(+) BCM Connector Terminal		(-)	Condition	Signal (Reference value)
Trunk room	M121	34 35	Ground	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
Trunk room		M121 34, 35	Ground	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

Is the inspection result normal?

>> Replace inside key antenna (trunk room).
>> Replace BCM. Refer to BCS-92, "Removal and Installation". NO

4. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

DOOR SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DOOR SWITCH

Component Function Check

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1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "DOOR SW-DR", "DOOR SW-AS" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOOR SW-DR	Driver side door	Open	On
DOOK SW-DK	Driver side door	Closed	Off
DOOR SW-AS	December side deer	Open	On
DOOK SW-AS	Passenger side door	Closed	Off

Is the inspection result normal?

YES >> Door switch is OK.

NO >> Refer to <u>DLK-285, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000005396137

1. CHECK DOOR SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door switch connector.
- 3. Check signal between malfunctioning door switch harness connector and ground using oscilloscope.

	(+)			Signal (Reference value)	
	Door switch				
Connector Terminal			(10.0.0.00)		
Driver side	B63	2	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB	
Passenger side	B206	2	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK DOOR SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- 2. Check continuity between door switch harness connector and BCM harness connector.

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< DTC/CIRCUIT DIAGNOSIS >

	Door switch		ВСМ		Continuity
Connector		Terminal	Connector Terminal		Continuity
Driver side	B63	2	M4.22	150	Existed
Passenger side	B206	2	M123	124	Existed

Check continuity between door switch harness connector and ground.

	Door switch		Continuity		
Con	nector	Terminal	Ground	Continuity	
Driver side B63		2	Ground	Not existed	
Passenger side B206		2		Not existed	

Is the inspection result normal?

>> Replace BCM. Refer to BCS-92, "Removal and Installation". YES

NO >> Repair or replace harness.

3.CHECK DOOR SWITCH GROUND CIRCUIT

Check continuity between malfunctioning door switch harness connector and ground.

	Door switch		Continuity		
Cor	nector	Terminal	Ground	Continuity	
Driver side	B63	2	Giouna	Existed	
Passenger side	B206	3		Existed	

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK DOOR SWITCH

Refer to DLK-286, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace malfunctioning door switch.

${f 5.}$ CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection 1. CHECK DOOR SWITCH

Turn ignition switch OFF.

- Disconnect malfunctioning door switch connector.
- Check continuity between door switch terminals.

Door	switch	Condition		Continuity	
Terr	ninal				
2	2	Door switch	Pressed	Not existed	
	3	Door switch	Released	Existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunction door switch.

DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DOOR LOCK AND UNLOCK SWITCH

DRIVER SIDE

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DRIVER SIDE: Component Function Check

1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW	- Door lock and unlock switch	Lock	On
		Unlock	Off
CDL UNLOCK SW		Lock	Off
		Unlock	On

Is the inspection result normal?

>> Door lock and unlock switch is OK.

>> Refer to DLK-287, "DRIVER SIDE: Diagnosis Procedure". NO

DRIVER SIDE: Diagnosis Procedure

1. CHECK POWER WINDOW SWITCH

- Turn ignition switch ON.
- Check power window operation.

Does power window operate?

YES >> Replace power window main switch. Refer to PWC-107, "Removal and Installation".

NO >> Refer to PWC-93, "Diagnosis Procedure".

PASSENGER SIDE

PASSENGER SIDE: Component Function Check

INFOID:0000000005396141

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1. CHECK FUNCTION

- Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "CDL LOCK SW", "CDL UNLOCK SW" in "DATA MONITOR" mode. 2.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
CDL LOCK SW	- Door lock and unlock switch	Lock	On
		Unlock	Off
CDL UNLOCK SW		Lock	Off
		Unlock	On

Is the inspection result normal?

YES >> Door lock and unlock switch is OK.

>> Refer to PWC-94, "WHEN POWER WINDOW SUB-SWITCH IS OPERATED: Diagnosis Proce-NO dure".

PASSENGER SIDE: Diagnosis Procedure

1. CHECK POWER WINDOW SWITCH

- Turn ignition switch ON.
- Check passenger side power window operation.

Does power window operate?

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YES >> Replace power window sub-switch. Refer to PWC-107, "Removal and Installation".

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DOOR LOCK AND UNLOCK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

NO >> Refer to <u>PWC-94</u>, "<u>WHEN POWER WINDOW SUB-SWITCH IS OPERATED</u>: <u>Diagnosis Procedure</u>".

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DOOR LOCK ACTUATOR

DRIVER SIDE

DRIVER SIDE : Component Function Check

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1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "DOOR LOCK" in "ACTIVE TEST" mode.
- Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-289</u>, "<u>DRIVER SIDE</u>: <u>Diagnosis Procedure</u>".

DRIVER SIDE: Diagnosis Procedure

INFOID:0000000005396144

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect driver side door lock assembly connector.
- 3. Check voltage between driver side door lock assembly harness connector and ground.

(+) Driver side door lock assembly					Voltoge (V)
		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				V 11 - 7
D15	1	Ground	Door lock and unlock switch	Lock	$0 \rightarrow 12 \rightarrow 0$
2	Ground	Door lock and unlock switch	Unlock	$0 \rightarrow 12 \rightarrow 0$	

Is the inspection result normal?

YES >> Replace driver side door lock assembly.

NO >> GO TO 2.

2. CHECK DOOR LOCK ACTUATOR CIRCUIT

Disconnect BCM connector, passenger side door lock assembly connector and fuel lid lock actuator connector.

Check continuity between BCM harness connector and driver side door lock assembly harness connector.

В	CM	Driver side door lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M119	8	D15	1	Existed
WITTS	9	D13	2	LAISteu

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector	Connector Terminal		Continuity	
M119	8	Ground	Not existed	
	9		Not existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- Connect BCM connector.
- Check voltage between BCM harness connector and ground.

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< DTC/CIRCUIT DIAGNOSIS >

(-	+)		Condition		Valtaga		Veltana
ВС	CM	(-)			Condition Voltage (Approx.)	voitage (Approx.)	
Connector	Terminal				, , ,		
M119	8	Ground	Door lock and unlock switch	Lock	12 V		
WITTS	9	Ground	Door lock and unlock switch	Unlock	12 V		

Is the inspection result normal?

YES >> Check for internal short of each door lock actuator and fuel lid lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

PASSENGER SIDE

PASSENGER SIDE: Component Function Check

INFOID:0000000005396145

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Door lock actuator is OK.

NO >> Refer to <u>DLK-290</u>, "<u>PASSENGER SIDE</u>: <u>Diagnosis Procedure</u>".

PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000005396146

1. CHECK DOOR LOCK ACTUATOR INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect passenger side door lock assembly connector.
- Check voltage between passenger side door lock assembly harness connector and ground.

(+) Passenger side door lock assembly		(–)	Condition		Voltage (V)	
Connector	Terminal	()	Condition		(Approx.)	
D45	1	1 Ground Door lock and unlock switch	Unlock	$0 \rightarrow 12 \rightarrow 0$		
D45	2	Giouna	Door lock and unlock Switch	Lock	$0 \rightarrow 12 \rightarrow 0$	

Is the inspection result normal?

YES >> Replace passenger side door lock assembly.

NO >> GO TO 2.

2.CHECK DOOR LOCK ACTUATOR CIRCUIT

- 1. Disconnect BCM connector, driver side door lock assembly connector and fuel lid lock actuator connector.
- Check continuity between BCM harness connector and passenger side door lock assembly harness connector.

В	СМ	Passenger side d	Continuity		
Connector	Terminal	Connector	Terminal	Continuity	
M119	5	D45	1	Existed	
IVITIO	8	D43	2	LAISIGU	

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector Terminal		Ground	Continuity
M119	5	Ground	Not existed
	8		Not existed

DOOR LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

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Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

(-	+)				Voltago
В	ВСМ		Condition		Voltage (Approx.)
Connector	Terminal				(11 /
M119	5	Ground	Door lock and unlock switch	Unlock	12 V
Wills	8	Giodila	Door lock and unlock switch	Lock	12 V

Is the inspection result normal?

YES >> Check for internal short of each door lock actuator and fuel lid lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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FUEL LID LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INFOID:0000000005396147

FUEL LID LOCK ACTUATOR

Component Function Check

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "DOOR LOCK" in "ACTIVE TEST" mode.
- 3. Touch "ALL LCK" or "ALL UNLK" to check that it works normally.

Is the inspection result normal?

YES >> Fuel lid lock actuator is OK.

NO >> Refer to <u>DLK-292</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396148

1. CHECK FUEL LID LOCK ACTUATOR INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect fuel lid lock actuator connector.
- 3. Check voltage between fuel lid lock actuator harness connector and ground.

(-	(+)				
Fuel lid lock actuator		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(44)
B242	1	Ground	Door lock and unlock switch	Unlock	$0 \rightarrow 12 \rightarrow 0$
DZĄZ	2	Sibulia	Lock		$0 \rightarrow 12 \rightarrow 0$

Is the inspection result normal?

YES >> Replace fuel lid lock actuator.

NO >> GO TO 2.

2. CHECK FUEL LID LOCK ACTUATOR CIRCUIT

- Disconnect BCM connector and all door lock assembly connector.
- 2. Check continuity between BCM harness connector and fuel lid lock actuator harness connector.

BCM Fuel lid lock actuator			Continuity		
Connector	Terminal	Connector	Terminal	Continuity	
M119	8	B242	2	Existed	
WITIS	9	D242	1	Existed	

3. Check continuity between BCM harness connector and ground.

	ВСМ		Continuity	
Connector	Terminal	Ground	Continuity	
M119	8	Ground	Not existed	
WITTS	9		NOT existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK BCM OUTPUT SIGNAL

- 1. Connect BCM connector.
- Check voltage between BCM harness connector and ground.

FUEL LID LOCK ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

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•	+) CM	(–) Condition	Condition		Voltage (Approx.)
Connector	Terminal				(11 - /
M110	8	Ground	Door look and unlook switch	Lock	12 V
WITTS	M119 9	Ground	Ground Door lock and unlock switch		12 V

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Is the inspection result normal?

YES >> Check for internal short of each door lock actuator.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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TRUNK LID OPENER ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

TRUNK LID OPENER ACTUATOR

Component Function Check

INFOID:000000005475958

${f 1}$.CHECK TRUNK LID OPENER CANCEL SWITCH

Check trunk lid opener cancel switch position.

Does trunk lid opener cancel switch turn OFF (CANCEL)?

>> Turn on trunk lid opener cancel switch.

NO >> GO TO 2.

2.CHECK SOFT TOP SYSTEM

Check that soft top system operates normally.

Refer to RF-17, "SOFT TOP SYSTEM: System Description".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to RF-59, "Work Flow".

3.check function

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "TRUNK/BACK DOOR" in "ACTIVE TEST" mode.
- Touch "Open" to check that it works normally.

Is the inspection result normal?

YES >> Trunk lid opener actuator is OK.

>> Refer to DLK-294, "Diagnosis Procedure". NO

Diagnosis Procedure

INFOID:0000000005475959

1. CHECK SELF-DIAGNOSIS OF CONVERTIBLE ROOF

Perform self-diagnosis of "CONVERTIBLE ROOF" using CONSULT-III and check that DTC "B1778" is displayed.

Is DTC "B1778" displayed?

YES >> Refer to RF-136, "DTC Logic".

NO >> GO TO 2.

2. CHECK TRUNK LID OPENER ACTUATOR INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect trunk lid lock assembly connector. 2.
- 3. Turn ignition switch ON.
- 4. Select "CONVERTIBLE ROOF" using CONSULT-III.
- 5. Select "TRUNK OPENER" in "ACTIVE TEST" mode.
- Touch "ON" to check voltage between trunk lid lock assembly harness connector and ground.

	+) ck assembly	(–)	CONSULT-III Active Test condition		Voltage (V) (Approx.)
Connector	Terminal				(·
B76	2	Ground	TRUNK OPENER	ON	$0 \rightarrow Battery \ voltage \rightarrow 0$

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace soft top control unit. Refer to RF-238, "Removal and Installation".

3.CHECK TRUNK LID OPENER ACTUATOR GROUND

Check continuity between trunk lid lock assembly harness connector and ground.

TRUNK LID OPENER ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

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Trunk lid lo	ck assembly		Continuity
Connector	Terminal	Ground	Continuity
B76	3		Existed

Is the inspection result normal?

YES >> Replace trunk lid lock assembly.

NO >> GO TO 4.

4. CHECK TRUNK LID OPEN REQUEST SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect soft top control unit connector.
- 3. Turn ignition switch ON.
- 4. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 5. Select "TRUNK/BACK DOOR" in "ACTIVE TEST" mode.
- 6. Touch "Open" to check voltage between soft top control unit harness connector and ground.

(+)				
Soft top o	control unit	(–)	CONSULT-III Active Test condition		Voltage (V) (Approx.)
Connector	Terminal				(44)
B303	10	Ground	TRUNK/BACK DOOR	Open	$0 \rightarrow 12 \rightarrow 0$

Is the inspection result normal?

YES >> Replace soft top control unit. Refer to RF-238, "Removal and Installation".

NO >> GO TO 5.

5. CHECK TRUNK LID OPEN REQUEST SIGNAL CIRCUIT

Disconnect BCM connector.

2. Check continuity between BCM harness connector and soft top control unit harness connector.

В	ВСМ		Soft top control unit	
Connector	Terminal	Connector	Terminal	Continuity
M120	23	B303	10	Existed

3. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M120	23		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

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DOOR KEY CYLINDER SWITCH

Component Function Check

INFOID:0000000005396151

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "KEY CYL LK-SW", "KEY CYL UN-SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KEY CYL LK-SW		Lock	On
	- Driver side door key cylinder	Neutral / Unlock	Off
KEY CYL UN-SW		Unlock	On
RET CTL ON-SW		Neutral / Lock	Off

Is the inspection result normal?

YES >> Door key cylinder switch is OK.

NO >> Refer to <u>DLK-296</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396152

1. CHECK DOOR KEY CYLINDER SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check voltage between driver side door lock assembly harness connector and ground.

	(+) Driver side door lock assembly		Voltage (V) (Approx.)	
Connector	Terminal		(/ (pprox.)	
D15	5	Ground	5	
D15	6	Giouna	5	

Is the inspection result normal?

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

2.CHECK DOOR KEY CYLINDER SWITCH SIGNAL CIRCUIT

- 1. Disconnect power window main switch connector.
- Check continuity between power window main switch harness connector and driver side door lock assembly harness connector.

Power windo	Power window main switch		Driver side door lock assembly	
Connector	Terminal	Connector	Terminal	Continuity
D8	6	D15	6	Existed
D0	7	010	5	LVISIGO

Check continuity between power window main switch harness connector and ground.

Power window main switch			Continuity
Connector	Terminal	Ground	Continuity
D8	6	Ground	Not existed
	7		

Is the inspection result normal?

YES >> Replace power window main switch. Refer to PWC-107, "Removal and Installation".

DOOR KEY CYLINDER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

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NO >> Repair or replace harness.

${f 3.}$ check door key cylinder switch ground circuit

Check continuity between driver side door lock assembly harness connector and ground.

Driver side doc	or lock assembly		Continuity
Connector	Terminal	Ground	Continuity
D15	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR KEY CYLINDER SWITCH

Refer to DLK-297, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace driver side door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005396153

1. CHECK DOOR KEY CYLINDER SWITCH

- Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check continuity between driver side door lock assembly terminals.

Driver side door	lock assembly	Condition		Continuity
Term	ninal			
5		Driver side door key cylinder	Unlock	Existed
3	4		Neutral / Lock	Not existed
6	6		Lock	Existed
O			Neutral / Unlock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace driver side door lock assembly.

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INFOID:0000000005474076

TRUNK ROOM LAMP SWITCH

Component Function Check

1. CHECK FUNCTION

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- Select "DOOR SW-BK" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
DOOR SW-BK	Trunk lid	Open	ON
	Trank na	Closed	OFF

Is the inspection result normal?

YES >> Trunk room lamp switch is OK.

NO >> Refer to <u>DLK-298</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005474077

1. CHECK TRUNK ROOM LAMP SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect trunk lid lock assembly connector.
- 3. Check signal between trunk lid lock assembly harness connector and ground using oscilloscope.

	+) ck assembly Terminal	(-)	Signal (Reference value)
B76	1	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK TRUNK ROOM LAMP SWITCH CIRCUIT

- 1. Disconnect BCM connector and soft top control unit connector.
- Check continuity between BCM harness connector and trunk lid lock assembly harness connector.

В	CM	Trunk lid lock assembly		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M121	66	B76	1	Existed

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M121	66		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair harness or connector.

TRUNK ROOM LAMP SWITCH

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3.check trunk room lamp switch ground

Check continuity between trunk lid lock assembly harness connector and ground.

Trunk lid lock assembly			Continuity
Connector	Terminal	Ground	Continuity
B76	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK TRUNK ROOM LAMP SWITCH

Refer to DLK-299, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace trunk lid lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005474078

1. CHECK TRUNK ROOM LAMP SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect trunk lid lock assembly connector.
- 3. Check continuity between trunk lid lock assembly terminals.

Trunk lid lock assembly		Condition		Continuity
Terr	Terminal		Condition	
1	3 Trunk lid lock assembly	Trunk lid lock assembly	Unlocked	Existed
· · · · · · · · · · · · · · · · · · ·	3	Trunk iid lock assembly	Locked	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace trunk lid lock assembly.

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REMOTE KEYLESS ENTRY RECEIVER

FRONT

FRONT: Component Function Check

INFOID:0000000005529534

1. CHECK FUNCTION

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN1	Checks whether value changes when operating Intelligent Key

Is the inspection result normal?

YES >> Remote keyless entry receiver is OK.

>> Refer to DLK-300, "FRONT: Diagnosis Procedure".

FRONT: Diagnosis Procedure

INFOID:0000000005529535

1. CHECK REMOTE KEYLESS ENTRY RECEIVER OUTPUT SIGNAL

- Turn ignition switch OFF.
- Check signal between remote keyless entry receiver (front) harness connector and ground using oscilloscope.

(+) Remote keyless entry receiver (front)		(–)	Condition	Signal (Reference value)
Connector	Terminal			
M104	2	Ground	During waiting	(V) 15 10 5 0 1 ms JMKIA0064GB
	_	Sistana	When operating either button on the Intelligent Key	(V) 15 10 5 0 1 ms JMKIA0065GB

Is the inspection result normal?

YES >> GO TO 2.

>> GO TO 3. NO

2.CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 1

- Disconnect BCM connector and remote keyless entry receiver (front) connector.
- Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

BC	ВСМ		ntry receiver (front)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M122	83	M104	2	Existed

Is the inspection result normal?

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YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 2

Disconnect BCM connector and remote keyless entry receiver (front) connector.

2. Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M122	83		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REMOTE KEYLESS ENTRY RECEIVER POWER SUPPLY

Connect BCM connector.

Check voltage between remote keyless entry receiver (front) harness connector and ground.

(Remote keyless e	(+) Remote keyless entry receiver (front)		Voltage (V) (Approx.)	
Connector	Terminal		(, 44, 2,)	
M104	4	Ground	12	

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

${f 5.}$ CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 3

Disconnect BCM connector.

Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

В	CM	Remote keyless entry receiver (front)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M122	103	M104	4	Existed

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M122	103		Not existed

Is the inspection result normal?

>> Replace BCM. Refer to BCS-92, "Removal and Installation". YES

NO >> Repair or replace harness.

6.CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 4

Disconnect BCM connector and remote keyless entry receiver (rear) connector.

Check continuity between BCM harness connector and remote keyless entry receiver (front) harness connector.

В	ВСМ		Remote keyless entry receiver (front)	
Connector	Terminal	Connector	Terminal	Continuity
M123	137	M104	1	Existed

Check continuity between BCM harness connector and ground.

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ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M123	137		Not existed

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace harness.

7.CHECK REMOTE KEYLESS ENTRY RECEIVER GROUND CIRCUIT

- 1. Connect BCM connector.
- 2. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Connector Terminal		Continuity
M123	137		Existed

Is the inspection result normal?

YES >> Replace remote keyless entry receiver (front).

NO >> Replace BCM. Refer to <u>BCS-92</u>, "Removal and Installation".

REAR

REAR: Component Function Check

INFOID:0000000005474073

1. CHECK FUNCTION

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "RKE OPE COUN2" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition
RKE OPE COUN2	Checks whether value changes when operating Intelligent Key

Is the inspection result normal?

YES >> Remote keyless entry receiver is OK.

NO >> Refer to <u>DLK-302</u>, "<u>REAR</u>: <u>Diagnosis Procedure</u>".

REAR: Diagnosis Procedure

INFOID:0000000005474074

1. CHECK REMOTE KEYLESS ENTRY RECEIVER OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Check signal between remote keyless entry receiver (rear) harness connector and ground using oscilloscope.

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(+) Remote keyless entry receiver (rear)		(–) Condition		Signal (Reference value)	
Connector	Terminal			,	
B207	2	Ground	During waiting	(V) 15 10 5 0 1 ms	
			When operating either button on the Intelligent Key	(V) 15 10 5 0 1 ms JMKIA0065GB	

Is the inspection result normal?

YES >> GO TO 2.

NO >> GO TO 3.

2.CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 1

1. Disconnect BCM connector and remote keyless entry receiver (rear) connector.

Check continuity between BCM harness connector and remote keyless entry receiver (rear) harness connector.

В	ВСМ		Remote keyless entry receiver (rear)	
Connector	Terminal	Connector	Terminal	Continuity
M123	139	B207	2	Existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 2

- 1. Disconnect BCM connector and remote keyless entry receiver (rear) connector.
- 2. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Connector Terminal		Continuity
M123	139		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REMOTE KEYLESS ENTRY RECEIVER POWER SUPPLY

- 1. Connect BCM connector.
- 2. Check voltage between remote keyless entry receiver (rear) harness connector and ground.

(+) Remote keyless entry receiver (rear)		(–)	Voltage (V) (Approx.)
Connector	Terminal		(+ +)
B207	4	Ground	12
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Is the inspection result normal?

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

5. CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 3

Disconnect BCM connector.

Check continuity between BCM harness connector and remote keyless entry receiver (rear) harness connector.

В	ВСМ		Remote keyless entry receiver (rear)	
Connector	Terminal	Connector	Terminal	Continuity
M122	105	B207	4	Existed

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M122	105		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

6. CHECK REMOTE KEYLESS ENTRY RECEIVER CIRCUIT 4

1. Disconnect BCM connector and remote keyless entry receiver (front) connector.

Check continuity between BCM harness connector and remote keyless entry receiver (rear) harness connector.

В	ВСМ		Remote keyless entry receiver (rear)	
Connector	Terminal	Connector	Terminal	Continuity
M123	137	B207	1	Existed

Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M123	137		Not existed

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace harness.

7.CHECK REMOTE KEYLESS ENTRY RECEIVER GROUND CIRCUIT

1. Connect BCM connector.

2. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M123	137		Existed

Is the inspection result normal?

YES >> Replace remote keyless entry receiver (rear).

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

TRUNK LID OPENER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

TRUNK LID OPENER SWITCH

Component Function Check

INFOID:0000000005396156

1. CHECK FUNCTION

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- 1. Select "TRUNK" of "BCM" using CONSULT-III.
- 2. Select "TR/BD OPEN SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
TR/BD OPEN SW Trunk lid opener switch	Trunk lid opener switch	Pressed	On
	Trunk na opener switch	Released	Off

Is the inspection result normal?

YES >> Trunk lid opener switch is OK.

NO >> Refer to <u>DLK-305</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396157

1. CHECK TRUNK LID OPENER SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect trunk lid opener switch assembly connector.
- Check signal between trunk lid opener switch assembly harness connector and ground using oscilloscope.

Trunk lid opener	(+) Trunk lid opener switch assembly		Signal (Reference value)
Connector	Terminal		
B156	1	Ground	(V) 15 10 5 0 10 ms JPMIA0011GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK TRUNK LID OPENER SWITCH CIRCUIT

- 1. Disconnect BCM connector.
- Check continuity between BCM harness connector and trunk lid opener switch assembly harness connector.

В	BCM		Trunk lid opener switch assembly	
Connector	Terminal	Connector	Terminal	Continuity
M121	67	B156	1	Existed

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M121	67		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

TRUNK LID OPENER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

3.check trunk lid opener switch ground circuit

Check continuity between trunk lid opener switch assembly harness connector and ground.

Trunk lid opener switch assembly			Continuity
 Connector	Terminal	Ground	Continuity
B156	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK TRUNK LID OPENER SWITCH

Refer to DLK-306, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace trunk lid opener switch assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005396158

[ROADSTER]

1. CHECK TRUNK LID OPENER SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect trunk lid opener switch assembly connector.
- 3. Check continuity between trunk lid opener switch assembly terminals.

Trunk lid opener	switch assembly	Condition		Continuity
Terr	minal	Condition		Continuity
1	4	Trunk lid opener switch	Pressed	Existed
· ·	4	Trunk iid opener switch	Released	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace trunk lid opener switch assembly.

TRUNK LID OPENER CANCEL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

TRUNK LID OPENER CANCEL SWITCH

Component Function Check

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1. CHECK FUNCTION

- 1. Select "TRUNK" of "BCM" using CONSULT-III.
- 2. Select "TR CANCEL SW" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
TR CANCEL SW	Trunk lid opener cancel switch	ON	ON
TH GANGLE SW		OFF (Cancel)	OFF

Is the inspection result normal?

YES >> Trunk lid opener cancel switch is OK.

NO >> Refer to <u>DLK-307</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005475963

1. CHECK TRUNK LID OPENER CANCEL SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- Disconnect trunk lid opener cancel switch connector.
- 3. Check signal between trunk lid opener cancel switch harness connector and ground using oscilloscope.

Trunk lid open	(+) Trunk lid opener cancel switch Connector Terminal		Signal (Reference value)	
M14	1	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.check trunk lid opener cancel switch circuit

- 1. Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and trunk lid opener cancel switch harness connector.

В	ВСМ		Trunk lid opener cancel switch	
Connector	Terminal	Connector	Terminal	Continuity
M123	129	M14	1	Existed

3. Check continuity between BCM harness connector and ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M123	129		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair harness or connector.

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TRUNK LID OPENER CANCEL SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

3.check trunk lid opener cancel switch ground

Check continuity between trunk lid opener cancel switch harness connector and ground.

Trunk lid opener cancel switch			Continuity
Connector	Terminal	Ground	Continuity
M14	2		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK TRUNK LID OPENER CANCEL SWITCH

Refer to DLK-308, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace trunk lid opener cancel switch.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005475964

1. CHECK TRUNK LID OPENER CANCEL SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect trunk lid opener cancel switch connector.
- 3. Check continuity between trunk lid opener cancel switch terminals.

Trunk lid opener cancel switch		Condition		Continuity
Teri	Terminal			Continuity
1	2	Trunk lid opener cancel switch	ON	Existed
ı	2	Trunk ild opener cancer switch	OFF (Cancel)	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace trunk lid opener cancel switch.

[ROADSTER]

INFOID:0000000005396159

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DOOR REQUEST SWITCH

Component Function Check

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "REQ SW -DR", "REQ SW -AS", "REQ SW -BD/TR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
REQ SW -DR	Driver side door request switch	Pressed	On
REQ 3W -DR	Driver side door request switch	Released	Off
REQ SW -AS	Passanger side door request switch	Pressed	On
REQ SW -AS	Passenger side door request switch	Released	Off
REQ SW -BD/TR	Trunk lid door request switch	Pressed	On
REQ SW -BD/TR	Trunk lid door request switch	Released	Off

Is the inspection result normal?

YES >> Door request switch is OK.

NO >> Refer to <u>DLK-309</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

Procedure (INFOID:000000005396160

1. CHECK DOOR REQUEST SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.

Revision: 2009 July

- 2. Disconnect malfunctioning door request switch/trunk lid opener switch assembly connector.
- 3. Check signal between malfunctioning door request switch/trunk lid opener switch assembly harness connector and ground using oscilloscope.

D	(+)		()	Signal
	switch/Trunk lid oper nector	Terminal	(-)	(Reference value)
Driver side	D13	1		(V) 15 10 5 0 JPMIA0016GB
Passenger side	D43	2	Ground	(V) 15 10 5 0 10 ms JPMIA0016GB
Trunk lid	B156	2		(V) 15 10 5 10 ms JPMIA0016GB

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Is the inspection result normal?
YES >> GO TO 3.

NO >> GO TO 2.

2.check door request switch circuit

- 1. Disconnect BCM connector.
- 2. Check continuity between malfunctioning door request switch/trunk lid opener switch assembly harness connector and BCM harness connector.

Door request switch/Trunk lid opener switch assembly		ВСМ		Continuity	
Con	nector	Terminal	Connector	Terminal	Continuity
Driver side	D13	1	M122	101	
Passenger side	D43	2	IVIIZZ	100	Existed
Trunk lid	B156	2	M121	61	

3. Check continuity between door request switch/trunk lid opener switch assembly harness connector and ground.

Door request switch/Trunk lid opener switch assembly				Continuity
Connector Terminal			Continuity	
Driver side	D13	1	Ground	
Passenger side	D43	2		Not existed
Trunk lid	B156	2		

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

3.check door request switch ground circuit

Check continuity between malfunctioning door request switch/trunk lid opener switch assembly harness connector and ground.

Door request switch/Trunk lid opener switch assembly				Continuity
Connector Terminal			Continuity	
Driver side	D13	2	Ground	
Passenger side	D43	1		Existed
Trunk lid	B156	3		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK DOOR REQUEST SWITCH

Refer to DLK-310, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace malfunctioning door request switch/trunk lid opener switch assembly.

${f 5}.$ CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005396161

1. CHECK DOOR REQUEST SWITCH

DOOR REQUEST SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

- 1. Turn ignition switch OFF.
- 2. Disconnect malfunctioning door request switch/trunk lid opener switch assembly connector.
- 3. Check continuity between malfunctioning door request switch/trunk lid opener switch assembly terminals.

Door request switch/Trunk lid opener switch assembly			Condition		Continuity	
Terminal					Continuity	
Driver side/Passenger side	1	2	Door request switch	Pressed	Existed	
Trunk lid	2	3	Door request switch	Released	Not existed	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace malfunctioning door request switch/trunk lid opener switch assembly.

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[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

UNLOCK SENSOR

Component Function Check

INFOID:0000000005396165

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "UNLK SEN -DR" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
UNLK SEN -DR	Driver side door	Lock	Off
		Unlock	On

Is the inspection result normal?

YES >> Unlock sensor is OK.

NO >> Refer to <u>DLK-312</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396166

1. CHECK UNLOCK SENSOR INPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check signal between driver side door lock assembly harness connector and ground using oscilloscope.

Connector (+		(-)	Signal (Reference value)
D15	3	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK UNLOCK SENSOR CIRCUIT

- 1. Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and driver side door lock assembly harness connector.

В	ВСМ		Driver side door lock assembly	
Connector	Terminal	Connector	Terminal	Continuity
M123	119	D15	3	Existed

3. Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Connector Terminal		Continuity
M123	119		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Repair or replace harness.

UNLOCK SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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3.check unlock sensor ground circuit

Check continuity between driver side assembly harness connector and ground.

Driver side door lock assembly			Continuity
Connector	Terminal	Ground	Continuity
D15	4		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK UNLOCK SENSOR

Refer to DLK-313, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace driver side door lock assembly.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000005396167

1. CHECK UNLOCK SENSOR

- 1. Turn ignition switch OFF.
- 2. Disconnect driver side door lock assembly connector.
- 3. Check continuity between driver side door lock assembly terminals.

Driver side door lock assembly		Condition		Continuity
Terminal				
2	4	Driver side door	Unlock	Existed
	4	Driver side door	Lock	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace driver side door lock assembly.

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[ROADSTER]

OUTSIDE KEY ANTENNA

Component Function Check

INFOID:0000000005529536

1. CHECK DOOR REQUEST SWITCH

Check door request switch. Refer to DLK-108, "Component Function Check"

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check door request switch. Refer to <u>DLK-108</u>, "<u>Diagnosis Procedure</u>".

2. CHECK FUNCTION

Be sure that Intelligent Key is in each outside key antenna detection area.

Does door lock/unlock when each door request switch is pressed?

YES >> Outside key antenna is OK.

NO >> Refer to <u>DLK-314</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005529537

1. CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 1

- 1. Turn ignition switch OFF.
- 2. Check signal between BCM harness connector and ground using oscilloscope.

	(+) BCM		(–)	C	Condition	Signal (Reference value)
Conr	nector	Terminal				(Notoronoc value)
LH		76, 77				
RH	M122	74, 75	Ground	Door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
Rear bumper	M121	38, 39	Sibuliu	pressed	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation"

NO >> GO TO 2.

2. CHECK OUTSIDE KEY ANTENNA CIRCUIT

- 1. Disconnect BCM connector and malfunctioning outside key antenna connector.
- Check continuity between malfunctioning outside key antenna harness connector and BCM harness connector.

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Outside key antenna Connector Terminal		BC	Continuity		
		Terminal	Connector	Terminal	Continuity
LH	B148	1		77	
LN D140	D140	2	M122	76	- Existed
RH	P140	1		75	
КП Б149	B149	2		74	
Poor human PE4		1	M4O4	39	
Rear bumper	B54	2	M121	38	

3. Check continuity between malfunctioning outside key antenna harness connector and ground.

	Outside key antenna			Continuity
Connector		Terminal		Continuity
LH	B148	1		
LN	D140	2	Ground	Not existed
RH	B149	1		
IXII	D149	2		
Rear bumper	B54	1		
	D04	2		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

${f 3.}$ CHECK OUTSIDE KEY ANTENNA INPUT SIGNAL 2

- 1. Replace malfunctioning outside key antenna. (New antenna or other antenna)
- 2. Connect BCM connector and malfunctioning outside key antenna (New antenna or other antenna) connector.
- Check signal between BCM harness connector and ground using oscilloscope.

	(+)					
ВСМ		(–) Co	ondition	Signal (Reference value)		
Coni	nector	Terminal				(Italiananaa valaa)
LH		76, 77				
RH	M122	74, 75	Ground	Door request switch is	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
Rear bumper	M121	38, 39	Giodila	pressed	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s

Is the inspection result normal?

YES >> Replace malfunctioning outside key antenna.

NO >> Replace BCM. Refer to BCS-92, "Removal and Installation".

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INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INTELLIGENT KEY WARNING BUZZER

Component Function Check

INFOID:0000000005396170

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "OUTSIDE BUZZER" in "ACTIVE TEST" mode.
- Touch "On" to check that it works normally.

Is the inspection result normal?

YES >> Intelligent Key warning buzzer is OK.

NO >> Refer to <u>DLK-316</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396171

1. CHECK FUSE

- 1. Turn ignition switch OFF.
- 2. Check 10 A fuse, [No.6, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK INTELLIGENT KEY WARNING BUZZER POWER SUPPLY CIRCUIT

- 1. Disconnect Intelligent Key warning buzzer connector.
- 2. Check voltage between Intelligent Key warning buzzer harness connector and ground.

(4	-)		V. 16 0.0
Intelligent Key	Intelligent Key warning buzzer		Voltage (V) (Approx.)
Connector	Connector Terminal		, , ,
E57	1	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.check intelligent key warning buzzer circuit

- 1. Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and Intelligent Key warning buzzer harness connector.

ВСМ		Intelligent Key warning buzzer		Continuity
Connector	Terminal	Connector Terminal		Continuity
M121	64	E57	3	Existed

3. Check continuity between BCM harness connector and ground.

В	BCM		Continuity
Connector	Connector Terminal		Continuity
M121	64		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK INTELLIGENT KEY WARNING BUZZER

Refer to DLK-317, "Component Inspection".

<u>Is the inspection result normal?</u>

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Replace Intelligent Key warning buzzer.

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INTELLIGENT KEY WARNING BUZZER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Component Inspection

INFOID:0000000005396172

1.check intelligent key warning buzzer

- Turn ignition switch OFF.
- 2. Disconnect Intelligent Key warning buzzer connector.
- Connect battery power supply directly to Intelligent Key warning buzzer terminals and check the opera-

Intelligent Key		
Terminal		Operation
(+)	(-)	
1	3	Buzzer sounds

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace Intelligent Key warning buzzer.

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[ROADSTER]

INTELLIGENT KEY

Component Function Check

INFOID:0000000005396173

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "RKE OPE COUN1" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition	
RKE OPE COUN1	Check that the numerical value is changing while operating on the Intelligent Key	
RKE OPE COUN2	Oneck that the numerical value is changing while operating on the intelligent Key	

Is the inspection result normal?

YES >> Intelligent Key is OK.

NO >> Refer to <u>DLK-318</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396174

1. CHECK INTELLIGENT KEY BATTERY

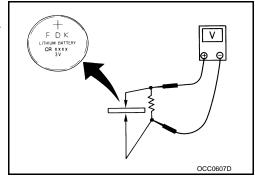
Check by connecting a resistance (approximately 300Ω) so that the current value becomes about 10 mA. Refer to <u>DLK-406</u>, "Removal and Installation".

Standard: Approx. 2.5 - 3.0V

Is the measurement value within the specification?

YES >> Replace Intelligent Key.

NO >> Replace Intelligent Key battery.



[ROADSTER]

KEY SLOT

Component Function Check

INFOID:0000000005396175

1. CHECK FUNCTION

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- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "KEY SW-SLOT" in "DATA MONITOR" mode.
- 3. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
KEY SW-SLOT	Intelligent Key	Inserted in key slot	On
RET SW-SLOT	Intelligent Ney	Removed from key slot	Off

Is the inspection result normal?

YES >> Key slot is OK.

NO >> Refer to <u>DLK-319</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396176

1. CHECK FUSE

- 1. Turn ignition switch OFF.
- Check 10 A fuse, [No.9, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK KEY SLOT POWER SUPPLY CIRCUIT

- 1. Disconnect key slot connector.
- Check voltage between key slot harness connector and ground.

(+) Key slot		(–)	Voltage (V) (Approx.)	
Connector	Terminal		(Αρριολ.)	
M22	1	Ground	Battery voltage	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3. CHECK KEY SLOT CIRCUIT

- Disconnect BCM connector.
- 2. Check continuity between BCM harness connector and key slot harness connector.

BCM		Key slot		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M123	121	M22	11	Existed

Check continuity between BCM harness connector and ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M123	121		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

KEY SLOT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

4. CHECK KEY SLOT

Refer to DLK-320, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92. "Removal and Installation".

NO >> Replace key slot.

Component Inspection

INFOID:0000000005396177

1. CHECK KEY SLOT

- 1. Turn ignition switch OFF.
- 2. Disconnect key slot connector.
- 3. Check continuity between key slot terminals.

Key slot		Condition		Continuity
Terminal				Continuity
1	1 11 Intelligent Key		Inserted in key slot	Existed
	11	intelligent Key	Removed in key slot	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace key slot.

KEY SLOT INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

KEY SLOT INDICATOR

Component Function Check

INFOID:0000000005396178

1. CHECK FUNCTION

В

- Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "KEY SLOT ILLUMI" in "ACTIVE TEST" mode.
- Touch "On" to check that it works normally.

Is the inspection result normal?

YES >> Key slot is OK.

>> Refer to DLK-321, "Diagnosis Procedure". NO

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Diagnosis Procedure

INFOID:0000000005396179

1.CHECK FUSE

- Turn ignition switch OFF.
- 2. Check 10 A fuse, [No. 6, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK KEY SLOT POWER SUPPLY CIRCUIT

- Disconnect key slot connector.
- Check voltage between key slot harness connector and ground.

(+)			Voltago (V)
Key	/ slot	(-)	Voltage (V) (Approx.)
Connector	Terminal		
M22	5	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK KEY SLOT CIRCUIT

- Disconnect BCM connector.
- Check continuity between BCM harness connector and key slot harness connector.

BCM		Key slot		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M122	92	M22	6	Existed

Check continuity between BCM harness connector and ground.

ВСМ			Continuity
Connector	Terminal	Ground	Continuity
M122	92		Not existed

Is the inspection result normal?

YES >> GO TO 4.

>> Repair or replace harness. NO

4.CHECK KEY SLOT

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Refer to DLK-322, "Component Inspection".

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-92, "Removal and Installation".

NO >> Replace key slot.

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KEY SLOT INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Component Inspection

INFOID:0000000005396180

1. CHECK KEY SLOT INDICATOR

- 1. Turn ignition switch OFF.
- 2. Disconnect key slot connector.
- 3. Connect battery power supply directly to key slot terminals and check the operation.

Key slot		
Terminal		Operation
(+)	(-)	
5	6	Key slot illuminates

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace key slot.

COMBINATION METER DISPLAY FUNCTION	
< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
COMBINATION METER DISPLAY FUNCTION	
Component Function Check	INFOID:000000005396181
1.CHECK FUNCTION	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "LCD" in "ACTIVE TEST" mode. Check each warning display on meter display. 	
Is the inspection result normal? YES >> Combination meter display function is OK. NO >> Refer to <u>DLK-323</u> , " <u>Diagnosis Procedure</u> ".	
Diagnosis Procedure	INFOID:000000005396182
1. CHECK COMBINATION METER	
Check combination meter. Refer to MWI-77, "DTC Index". Is the inspection result normal?	
YES >> GO TO 2. NO >> Check combination meter. Refer to MWI-4, "Work flow".	
2.CHECK INTERMITTENT INCIDENT	
Refer to GI-39, "Intermittent Incident".	
>> INSPECTION END	

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BUZZER (COMBINATION METER)

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INFOID:0000000005396183

BUZZER (COMBINATION METER)

Component Function Check

1.CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "INSIDE BUZZER" in "ACTIVE TEST" mode.
- 3. Touch "Take out", "Knob" or "Key" to check that it works normally.

Is the inspection result normal?

Yes >> Warning buzzer into combination meter is OK.

No >> Refer to <u>DLK-324, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000005396184

1. CHECK METER BUZZER CIRCUIT

Check meter buzzer circuit.

Refer to WCS-21, "Component Function Check".

Is the inspection result normal?

Yes >> GO TO 2.

No >> Repair or replace the malfunctioning parts.

2. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

KEY WARNING LAMP	_
< DTC/CIRCUIT DIAGNOSIS >	[ROADSTER]
KEY WARNING LAMP	
Component Function Check	INFOID:000000005396185
1. CHECK FUNCTION	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "INDICATOR" in "ACTIVE TEST" mode. Touch "Key ind" or "Key on" to check that it works normally. 	·
Is the inspection result normal?	
YES >> Key warning lamp is OK. NO >> Refer to <u>DLK-325</u> , " <u>Diagnosis Procedure</u> ".	
Diagnosis Procedure	INFOID:000000005396186
1.CHECK KEY WARNING LAMP	
Check key warning lamp. Refer to WCS-3, "Work Flow".	
Is the inspection result normal? YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.check intermittent incident	
Refer to GI-39, "Intermittent Incident".	
>> INSPECTION END	

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HAZARD FUNCTION

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

HAZARD FUNCTION

Component Function Check

INFOID:0000000005396187

1. CHECK FUNCTION

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "FLASHER" in "ACTIVE TEST" mode.
- Touch "LH" or "RH" to check that it works normally.

Is the inspection result normal?

YES >> Hazard warning lamp circuit is OK.

NO >> Refer to <u>DLK-326</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000005396188

1. CHECK HAZARD SWITCH CIRCUIT

Check hazard switch circuit

Refer to EXL-54, "Wiring Diagram".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INTEGRATED HOMELINK TRANSMITTER

Component Function Check

INFOID:0000000005396189

1. CHECK FUNCTION

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Check that system receiver (garage door opener, etc.) operates with original hand-held transmitter.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Receiver or hand-held transmitter is malfunctioning.

2. CHECK ILLUMINATE

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- Turn ignition switch OFF.
- 2. Does red light of transmitter illuminate when any transmitter button is pressed?

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to <u>DLK-327</u>, "<u>Diagnosis Procedure</u>".

3.CHECK TRANSMITTER

F

Check transmitter with Tool*.

*: For details, refer to Technical Service Bulletin.

Is the inspection result normal?

YES >> Receiver or hand-held transmitter malfunction, not vehicle related.

NO >> Replace auto anti-dazzling inside mirror (integrated homelink transmitter).

Н

Diagnosis Procedure

1. CHECK POWER SUPPLY

INFOID:0000000005396190

- Turn ignition switch OFF.
- 2. Disconnect auto anti-dazzling inside mirror (integrated homelink transmitter) connector.
- 3. Check voltage between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

	+) ing inside mirror elink transmitter)	(-)	Voltage (V) (Approx.)
Connector	Terminal		
R6	10	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 2.

M

NO-1 \rightarrow Check 10 A fuse [No. 6 located in the fuse block (J/B)].

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NO-2 >> Harness for open or short between fuse and auto anti-dazzling inside mirror (integrated homelink transmitter).

2.CHECK GROUND CIRCUIT

Check continuity between auto anti-dazzling inside mirror (integrated homelink transmitter) harness connector and ground.

Auto anti-dazzling inside mirror (Integrated homelink transmitter)			Continuity
Connector	Terminal	Ground	
R6	8		Existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

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Revision: 2009 July

INTEGRATED HOMELINK TRANSMITTER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

3. CHECK INTERMITTENT INCIDENT

Refer to GI-39, "Intermittent Incident".

>> INSPECTION END

[ROADSTER] < SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS Α DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH В **ALL DOOR** ALL DOOR: Description INFOID:0000000005396191 All doors do not lock/unlock using door lock and unlock switch. ALL DOOR: Diagnosis Procedure INFOID:0000000005396192 CHECK DOOR LOCK AND UNLOCK SWITCH Check door lock and unlock switch. Е Driver side: Refer to DLK-287. "DRIVER SIDE: Component Function Check". Passenger side: Refer to DLK-287, "PASSENGER SIDE: Component Function Check". Is the inspection result normal? F YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CHECK DOOR LOCK ACTUATOR CIRCUIT Check door lock actuator (driver side). Refer to DLK-289, "DRIVER SIDE: Component Function Check". Н Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. ${f 3.}$ CONFIRM THE OPERATION Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1. **DRIVER SIDE** DLK **DRIVER SIDE: Description** INFOID:0000000005396193 Driver side door does not lock/unlock using door lock and unlock switch. DRIVER SIDE: Diagnosis Procedure INFOID:0000000005396194 M 1. CHECK DOOR LOCK ACTUATOR Check door lock actuator (driver side). Refer to DLK-289, "DRIVER SIDE: Component Function Check". Ν Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION Confirm the operation again. Р Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH

NO

>> GO TO 1. PASSENGER SIDE

DOOR DOES NOT LOCK/UNLOCK WITH DOOR LOCK AND UNLOCK SWITCH [ROADSTER]

INFOID:0000000005396195

< SYMPTOM DIAGNOSIS > PASSENGER SIDE: Description

Passenger side door does not lock/unlock using door lock and unlock switch.

PASSENGER SIDE: Diagnosis Procedure INFOID:0000000005396196

1. CHECK DOOR LOCK ACTUATOR

Check door lock actuator (passenger side).

Refer to DLK-290, "PASSENGER SIDE: Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

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DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION

< SYMPTOM DIAGNOSIS > [ROADSTER]

DOOR DOES NOT LOCK/UNLOCK WITH DOOR KEY CYLINDER OPERATION

Diagnosis Procedure

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-329</u>, "<u>ALL DOOR</u> : <u>Diagnosis Procedure"</u>.

2.CHECK DOOR KEY CYLINDER SWITCH

Check door key cylinder switch.

Refer to DLK-296, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

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Revision: 2009 July **DLK-331** 2010 370Z

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

< SYMPTOM DIAGNOSIS > [ROADSTER]

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH ALL DOOR

ALL DOOR : Description

INFOID:0000000005396198

All doors do not lock/unlock using all door request switches.

ALL DOOR : Diagnosis Procedure

INFOID:0000000005396199

1. CHECK REMOTE KEYLESS ENTRY FUNCTION

Check remote keyless entry function.

Does door lock/unlock with Intelligent Key button?

YES >> GO TO 2.

NO >> Refer to <u>DLK-334</u>, "<u>Diagnosis Procedure</u>".

2.check "Lock/unlock by I-key" setting in "work support"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT" mode.
- Check "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT".
 Refer to <u>DLK-232</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "LOCK/UNLOCK BY I-KEY" in "WORK SUPPORT".

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE: Description

INFOID:0000000005396200

All doors do not lock/unlock using driver side door request switch.

DRIVER SIDE : Diagnosis Procedure

INFOID:0000000005396201

1. CHECK DRIVER SIDE DOOR REQUEST SWITCH

Check driver side door request switch.

Refer to DLK-309, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK OUTSIDE KEY ANTENNA LH

Check outside key antenna LH.

Refer to <u>DLK-314</u>, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check Intermittent Incident. Refer to GI-39, "Intermittent Incident".

DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH

OOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SW < SYMPTOM DIAGNOSIS >	/ITCH [ROADSTER]
PASSENGER SIDE	<u></u>
PASSENGER SIDE : Description	A INFOID:0000000005396202
All doors do not lock/unlock using passenger side door request switch.	В
PASSENGER SIDE : Diagnosis Procedure	INFOID:0000000005396203
1. CHECK PASSENGER SIDE DOOR REQUEST SWITCH	С
Check passenger side door request switch. Refer to DLK-309, "Component Function Check".	
Is the inspection result normal?	D
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.	
2.CHECK OUTSIDE KEY ANTENNA RH	E
Check outside key antenna RH.	
Refer to <u>DLK-314</u> , "Component Function Check".	F
Is the inspection result normal? YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	G
3.CONFIRM THE OPERATION	
Confirm the operation again.	Н
<u>Is the result normal?</u> YES >> Check Intermittent Incident. Refer to <u>GI-39</u> , "Intermittent Incident".	
NO >> GO TO 1.	I
TRUNK LID	
TRUNK LID : Description	INFOID:0000000005396204
All doors do not lock/unlock using trunk lid door request switch.	
TRUNK LID : Diagnosis Procedure	INFOID:0000000005396205
1.CHECK TRUNK LID DOOR REQUEST SWITCH	
Check trunk lid door request switch. Refer to DLK-309, "Component Function Check".	L
Is the inspection result normal?	
YES >> GO TO 2.	M
NO >> Repair or replace the malfunctioning parts. 2.CHECK OUTSIDE KEY ANTENNA (REAR BUMPER)	
Check outside key antenna (rear bumper).	
Refer to DLK-314, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 3.	0
NO >> Repair or replace the malfunctioning parts.	
3.CONFIRM THE OPERATION	P
Confirm the operation again. <u>Is the result normal?</u>	
YES >> Check Intermittent Incident. Refer to GI-39, "Intermittent Incident".	
NO >> GO TO 1.	

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

< SYMPTOM DIAGNOSIS >

[ROADSTER]

DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY

Diagnosis Procedure

INFOID:0000000005396206

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to <u>DLK-329</u>, "ALL <u>DOOR</u>: <u>Diagnosis Procedure"</u>.

2. CHECK REMOTE KEYLESS ENTRY RECEIVER

Check remote keyless entry receiver.

Front: Refer to <u>DLK-300</u>, "FRONT: Component Function Check".

Rear: Refer to DLK-302, "REAR: Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

${f 3.}$ CHECK INTELLIGENT KEY

Check Intelligent Key.

Refer to DLK-319, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK KEY SLOT

Check key slot.

Refer to DLK-319, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CHECK DOOR SWITCH

Check door switch.

Refer to DLK-285, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.CHECK TRUNK ROOM LAMP SWITCH

Check trunk room lamp switch.

Refer to DLK-298, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

ALL DOORS DO NOT UNLOCK WHEN ROOF IS OPEN BY DOOR REQUEST **SWITCH OPERATION**

[ROADSTER] < SYMPTOM DIAGNOSIS >

ALL DOORS DO NOT UNLOCK WHEN ROOF IS OPEN BY DOOR RE-

QUEST SWITCH OPERATION

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door request switch?

YES >> GO TO 2.

Diagnosis Procedure

NO >> Refer to DLK-332, "ALL DOOR: Diagnosis Procedure".

2.REPLACE BCM

- Replace BCM.Refer to BCS-92, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

>> INSPECTION END YES

>> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO

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INFOID:0000000005474027

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DLK-335 Revision: 2009 July 2010 370Z

DLK

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SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [ROADSTER]

SELECTIVE UNLOCK FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396207

1. CHECK "DOOR LOCK-UNLOCK SET" SETTING IN "WORK SUPPORT"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "DOOR LOCK-UNLOCK SET" in "WORK SUPPORT" mode.
- Check "DOOR LOCK-UNLOCK SET" setting in "WORK SUPPORT".
 Refer to <u>DLK-231</u>, "DOOR LOCK: CONSULT-III Function (BCM DOOR LOCK)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "DOOR LOCK-UNLOCK SET" in "WORK SUPPORT".

2.REPLACE BCM

- Replace BCM. Refer to BCS-92, "Removal and Installation".
- · Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPERATE [ROADSTER] < SYMPTOM DIAGNOSIS > VEHICLE SPEED SENSING AUTO LOCK OPERATION DOES NOT OPER-Α ATF Diagnosis Procedure INFOID:0000000005396208 В 1. CHECK POWER DOOR LOCK OPERATION Check power door lock operation. Does door lock/unlock with door lock and unlock switch? YES >> GO TO 2. >> Refer to DLK-329, "ALL DOOR: Diagnosis Procedure". NO D 2.CHECK "AUTOMATIC LOCK/UNLOCK SELECT" SETTING IN "WORK SUPPORT" Select "DOOR LOCK" of "BCM" using CONSULT-III. Е Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode. Check "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT". Refer to DLK-231. "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)". Is the inspection result normal? F YES >> GO TO 3. NO >> Set "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT". 3.check "automatic door lock select" setting in "work support" Select "DOOR LOCK" of "BCM" using CONSULT-III. 2. Select "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT" mode. Н Check "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT". Refer to DLK-231, "DOOR LOCK: CONSULT-III Function (BCM - DOOR LOCK)". Is the inspection result normal? YFS >> GO TO 4. >> Set "AUTOMATIC DOOR LOCK SELECT" in "WORK SUPPORT". NO 4. CHECK VEHICLE SPEED SIGNAL Check combination meter. Refer to MWI-77, "DTC Index". Is the inspection result normal? DLK YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts. REPLACE BCM Replace BCM. Refer to BCS-92, "Removal and Installation". Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO

>> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

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DLK-337 Revision: 2009 July 2010 370Z

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

IGN OFF INTERLOCK DOOR UNLOCK FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396209

1. CHECK POWER DOOR LOCK OPERATION

Check power door lock operation.

Does door lock/unlock with door lock and unlock switch?

YES >> GO TO 2.

NO >> Refer to DLK-329, "ALL DOOR : Diagnosis Procedure".

2.check "automatic lock/unlock select" setting in "work support"

- Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT" mode.
- 3. Check "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".

 Refer to DLK-231, "DOOR LOCK: CONSULT-III Function (BCM DOOR LOCK)".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set "AUTOMATIC LOCK/UNLOCK SELECT" in "WORK SUPPORT".

3.check "automatic door unlock select" setting in "work support"

- 1. Select "DOOR LOCK" of "BCM" using CONSULT-III.
- 2. Select "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT" mode.
- Check "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT".
 Refer to <u>DLK-231</u>, "<u>DOOR LOCK</u>: <u>CONSULT-III Function</u> (<u>BCM DOOR LOCK</u>)".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Set "AUTOMATIC DOOR UNLOCK SELECT" in "WORK SUPPORT".

4.CHECK BCM

Check BCM for DTC.

Refer to BCS-86, "DTC Index".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. REPLACE BCM

- Replace BCM. Refer to BCS-92, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

P RANGE INTERLOCK DOOR LOCK/UNLOCK FUNCTION DOES NOT OPERATE

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< SYMPTOM DIAGNOSIS >		[ROADSTER]
P RANGE INTERLOCK D	OOR LOCK/UNLOCK FUNCTION	DOES NOT OP-
ERATE		
Diagnosis Procedure		INFOID:000000005396210
1. CHECK POWER DOOR LOCK O	PERATION	
Check power door lock operation.		
Does door lock/unlock with door lock	and unlock switch?	
YES >> GO TO 2. NO >> Refer to DLK-329. "ALL	DOOR : Diagnosis Procedure".	
	LOCK SELECT" SETTING IN "WORK SUPPORT	Γ"
	LOCK SELECT" in "WORK SUPPORT" mode.	
	LOCK SELECT" in "WORK SUPPORT".	
	K : CONSULT-III Function (BCM - DOOR LOCK)	<u>.</u>
Is the inspection result normal? YES >> GO TO 3.		
	(/UNLOCK SELECT" in "WORK SUPPORT".	
3. CHECK "AUTOMATIC DOOR LO	CK SELECT" SETTING IN "WORK SUPPORT"	
1. Select "DOOR LOCK" of "BCM"		
2. Select "AUTOMATIC DOOR LO	CK SELECT" in "WORK SUPPORT" mode.	
	CK SELECT" in "WORK SUPPORT". K : CONSULT-III Function (BCM - DOOR LOCK)'	л
Is the inspection result normal?	N. OCHOOLI III I Uliciloii (BOW BOOK EOOK)	-
YES >> GO TO 4.		
	R LOCK SELECT" in "WORK SUPPORT".	
4. CHECK "AUTOMATIC DOOR UN	ILOCK SELECT" SETTING IN "WORK SUPPOR	T"
1. Select "DOOR LOCK" of "BCM"		
	LOCK SELECT" in "WORK SUPPORT" mode. LOCK SELECT" in "WORK SUPPORT".	
	K : CONSULT-III Function (BCM - DOOR LOCK)	"
Is the inspection result normal?		
YES >> GO TO 5.		
_	R UNLOCK SELECT" in "WORK SUPPORT".	
5. СНЕСК ТСМ		
Check TCM for DTC. Refer to TM-286, "DTC Index".		
Is the inspection result normal?		
YES >> GO TO 6.		
NO >> Repair or replace the ma	alfunctioning parts.	
6.REPLACE BCM		
Replace BCM. Refer to BCS-92, "F	Removal and Installation".	
Confirm the operation after replace		
Is the result normal?		
YES >> INSPECTION END NO >> Check intermittent incide	ent. Refer to GI-39, "Intermittent Incident".	
140 // Oneck intermittent inclue	ราเ. เงอเฮเ เบ <u>บา-วฮ, เกเซเทเเนซเน เทเนนซเน </u> .	

AUTO DOOR LOCK OPERATION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [ROADSTER]

AUTO DOOR LOCK OPERATION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396211

1. CHECK "AUTO LOCK SET" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "AUTO LOCK SET" in "WORK SUPPORT" mode.
- Check "AUTO LOCK SET" setting in "WORK SUPPORT".
 Refer to <u>DLK-232</u>, "INTELLIGENT KEY: <u>CONSULT-III Function</u> (<u>BCM INTELLIGENT KEY</u>)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "AUTO LOCK SET" setting in "WORK SUPPORT".

2.REPLACE BCM

- Replace BCM. Refer to BCS-92, "Removal and Installation".
- Confirm the operation after replacement.

Is the result normal?

YES >> INSPECTION END

NO >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

TRUNK LID DOES NOT OPEN

RUNK LID DOES NOT OPEN < SYMPTOM DIAGNOSIS > [ROADSTER]	R]
TRUNK LID DOES NOT OPEN	_
Diagnosis Procedure	A 75965
1. CHECK POWER DOOR LOCK OPERATION	В
Check power door lock operation.	
<u>Does door lock/unlock with door lock and unlock switch?</u> YES >> GO TO 2.	С
NO >> Refer to <u>DLK-329</u> , " <u>ALL DOOR</u> : <u>Diagnosis Procedure</u> ".	
2.CHECK TRUNK LID OPENER SWITCH	D
Check trunk lid opener switch. Refer to <u>DLK-305, "Component Function Check"</u> .	
Is the inspection result normal?	Е
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CHECK TRUNK LID OPENER CANCEL SWITCH	F
Check trunk lid opener cancel switch. Refer to DLK-307, "Component Function Check".	_
Is the inspection result normal?	G
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4.CHECK TRUNK LID OPENER ACTUATOR	Н
Check trunk lid opener actuator. Refer to DLK-294, "Component Function Check".	_
Is the inspection result normal?	1
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	
5.CHECK VEHICLE SPEED SIGNAL	J
Check combination meter. Refer to MWI-77, "DTC Index".	DLK
Is the inspection result normal?	
YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts.	L
6.CONFIRM THE OPERATION	
Confirm the operation again.	M
Is the result normal?	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1.	N
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FUEL LID LOCK ACTUATOR DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

FUEL LID LOCK ACTUATOR DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396213

1. CHECK FUEL LID OPENER ACTUATOR

Check fuel lid opener actuator.

Refer to DLK-292, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

HAZARD AND HORN REMINDER DOES NOT OPERATE

<pre></pre>	ROADSTER]
HAZARD AND HORN REMINDER DOES NOT OPERATE	
Diagnosis Procedure	INFOID:0000000005396214
1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode. Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT". Refer to DLK-232, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY) 	Y)".
Is the inspection result normal?	
YES >> GO TO 2. NO >> Set the "HAZARD ANSWER BACK" setting in "WORK SUPPORT".	
2. CHECK "HORN WITH KEYLESS LOCK" SETTING IN "WORK SUPPORT"	
Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.	
 Select "HORN WITH KEYLESS LOCK in "WORK SUPPORT" mode. Check the "HORN WITH KEYLESS LOCK E setting in "WORK SUPPORT". Refer to <u>DLK-232</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT KEY) 	<u>Y)"</u> .
Is the inspection result normal? YES >> GO TO 3.	
NO >> Set the "HORN WITH KEYLESS LOCK E setting in "WORK SUPPORT".	(
3.CHECK HAZARD FUNCTION	
Check hazard function.	
Refer to <u>DLK-326, "Component Function Check"</u> . <u>Is the inspection result normal?</u>	
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts. 4.CHECK HORN FUNCTION	
Check horn function.	
Refer to SEC-124, "Component Function Check".	_
Is the inspection result normal?	D
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	
5.CONFIRM THE OPERATION	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1.	I
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HAZARD AND BUZZER REMINDER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [ROADSTER]

HAZARD AND BUZZER REMINDER DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396215

1. CHECK "HAZARD ANSWER BACK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- Select "HAZARD ANSWER BACK" in "WORK SUPPORT" mode.
- Check the "HAZARD ANSWER BACK" setting in "WORK SUPPORT".
 Refer to <u>DLK-232</u>, "INTELLIGENT KEY: <u>CONSULT-III Function</u> (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set the * HAZARD ANSWER BACK" setting in "WORK SUPPORT".

2. CHECK "ANS BACK I-KEY LOCK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "ANS BACK I-KEY LOCK" in "WORK SUPPORT" mode.
- Check the "ANS BACK I-KEY LOCK"setting in "WORK SUPPORT".
 Refer to <u>DLK-232, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)"</u>.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Set the "ANS BACK I-KEY" LOCK setting in "WORK SUPPORT".

${f 3.}$ CHECK "ANS BACK I-KEY UNLOCK" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "ANS BACK I-KEY UNLOCK" in "WORK SUPPORT" mode.
- Check the "ANS BACK I-KEY UNLOCK" setting in "WORK SUPPORT".
 Refer to <u>DLK-232</u>, "INTELLIGENT KEY: <u>CONSULT-III Function</u> (<u>BCM INTELLIGENT KEY</u>)".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Set the "ANS BACK I-KEY UNLOCK" setting in "WORK SUPPORT".

4.CHECK HAZARD FUNCTION

Check hazard function.

Refer to DLK-326, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-316, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

6.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

KEY REMINDER FUNCTION DOES NOT OPERATE

KEY REMINDER FUNCTION DOES NOT OPERATE	[ROADSTER]
< SYMPTOM DIAGNOSIS > KEY REMINDER FUNCTION DOES NOT OPERATE	[KOADSTER]
INTELLIGENT KEY SYSTEM	А
INTELLIGENT KEY SYSTEM : Description	INFOID:0000000005396216
Key reminder function is not operated by intelligent Key system.	Б
INTELLIGENT KEY SYSTEM : Diagnosis Procedure	INFOID:0000000005396217
1. CHECK "ANTI KEY LOCK IN FUNCTI" SETTING IN "WORK SUPPORT"	
 Select "INTELLIGENT KEY" of "BCM" using CONSULT-III. Select "ANTI KEY LOCK IN FUNCTI" in "WORK SUPPORT" mode. Check "ANTI KEY LOCK IN FUNCTI" setting in "WORK SUPPORT". Refer to <u>DLK-232</u>. "INTELLIGENT KEY: CONSULT-III Function (BCM - INTELLIGENT 	K <u>EY)"</u> .
Is the inspection result normal? YES >> GO TO 2. NO >> Set "ANTI KEY LOCK IN FUNCTI" setting in "WORK SUPPORT". 2.CHECK DOOR SWITCH	F
Check door switch. Refer to DLK-285, "Component Function Check". Is the inspection result normal?	G
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3. CHECK TRUNK ROOM LAMP SWITCH	Н
Check trunk room lamp switch. Refer to DLK-298, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. 4. CHECK INSIDE KEY ANTENNA	J
Check inside key antenna.	
 Instrument center: Refer to <u>DLK-279</u>, "<u>DTC Logic</u>". Console: Refer to <u>DLK-281</u>, "<u>DTC Logic</u>". Trunk room: Refer to <u>DLK-283</u>, "<u>DTC Logic</u>". Is the inspection result normal? 	L
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts. 5.CHECK UNLOCK SENSOR	M
Check unlock sensor. Refer to DLK-312, "Component Function Check".	N
Is the inspection result normal? YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts.	0
6.CONFIRM THE OPERATION	
Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1. POWER DOOR LOCK SYSTEM	Р

KEY REMINDER FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

POWER DOOR LOCK SYSTEM: Description

INFOID:0000000005396218

Key reminder function is not operated by power door lock system.

POWER DOOR LOCK SYSTEM: Diagnosis Procedure

INFOID:0000000005396219

1. CHECK KEY SLOT

Check key slot.

Refer to DLK-319, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK DOOR SWITCH

Check door switch.

Refer to DLK-285, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK TRUNK ROOM LAMP SWITCH

Check trunk room lamp switch.

Refer to DLK-298, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

KEY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >	[ROADSTER]
KEY WARNING DOES NOT OPERATE	
Diagnosis Procedure	INFOID:000000005396220
1. CHECK BUZZER (COMBINATION METER)	
Check buzzer (combination meter).	
Refer to <u>DLK-324, "Component Function Check"</u> . Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.CHECK DOOR SWITCH	
Check door switch (driver side). Refer to DLK-285, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CHECK KEY SLOT	
Check key slot.	•
Refer to DLK-319, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4. CHECK COMBINATION METER DISPLAY	
Check combination meter display.	
Refer to <u>DLK-323, "Component Function Check"</u> . <u>Is the inspection result normal?</u>	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	
5.CHECK KEY SLOT INDICATOR	
Check key slot indicator. Refer to DLK-321, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 6.	
NO >> Repair or replace the malfunctioning parts. 6.CONFIRM THE OPERATION	
Confirm the operation again. Is the result normal?	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	
NO >> GO TO 1.	

OFF POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

OFF POSITION WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396221

1. CHECK POWER POSITION

Check if ignition switch position is changing or not.

Does ignition switch position change?

YES >> GO TO 2.

NO >> Check BCM for DTC. Refer to BCS-86, "DTC Index".

2.CHECK BUZZER (COMBINATION METER)

Check buzzer (combination meter).

Refer to DLK-324, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-316, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK DOOR SWITCH

Check door switch (driver side).

Refer to DLK-285, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

P POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >	[ROADSTER]
P POSITION WARNING DOES NOT OPERATE	
Diagnosis Procedure	INFOID:000000005396222
1.CHECK POWER POSITION	E
Check if ignition switch position is changing or not.	
Does ignition switch position change?	
YES >> GO TO 2.	
NO >> Check BCM for DTC. Refer to <u>BCS-86, "DTC_Index"</u> .	
2.CHECK DETENTION SWITCH	
Check BCM for DTC.	
Refer to <u>BCS-86, "DTC_Index"</u> . Is the inspection result normal?	_
YES >> GO TO 3.	E
NO >> Repair or replace the malfunctioning parts.	
3. CHECK INTELLIGENT KEY WARNING BUZZER	F
Check Intelligent Key warning buzzer.	
Refer to DLK-316, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4.CHECK BUZZER (COMBINATION METER)	ŀ
Check buzzer (combination meter).	
Refer to DLK-324, "Component Function Check".	I
Is the inspection result normal?	
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	
5.CHECK DOOR SWITCH	
Check door switch (driver side). Refer to DLK-285, "Component Function Check".	DI
Is the inspection result normal?	
YES >> GO TO 6.	1
NO >> Repair or replace the malfunctioning parts.	L
6.CHECK INSIDE KEY ANTENNA	
Check inside key antenna.	N
 Instrument center: Refer to <u>DLK-279, "DTC Logic"</u>. Console: Refer to <u>DLK-281, "DTC Logic"</u>. 	
Trunk room: Refer to <u>DLK-283, "DTC Logic"</u> .	N
Is the inspection result normal?	
YES >> GO TO 7.	
NO >> Repair or replace the malfunctioning parts.	
CHECK COMBINATION METER DISPLAY	
Check combination meter display. Refer to DLK-323, "Component Function Check".	F
Is the inspection result normal?	·
YES >> GO TO 8.	
NO >> Repair or replace the malfunctioning parts.	
8.CONFIRM THE OPERATION	
Confirm the operation again.	

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P POSITION WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS > [ROADSTER]

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

ACC WARNING DOES NOT OPERATE

AGG WARRING DOEG HOT OF ERATE	_
< SYMPTOM DIAGNOSIS >	[ROADSTER]
ACC WARNING DOES NOT OPERATE	
Diagnosis Procedure	INFOID:0000000005396223
1. CHECK POWER POSITION	
Check if ignition switch position is changing or not.	
Does ignition switch position change?	
YES >> GO TO 2.	
NO >> Check BCM for DTC. Refer to <u>BCS-86, "DTC_Index"</u> .	
2.CHECK BUZZER (COMBINATION METER)	
Check buzzer (combination meter).	
Refer to <u>DLK-324</u> , "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	
3.CHECK COMBINATION METER DISPLAY FUNCTION	
Check combination meter display function.	
Refer to DLK-323, "Component Function Check".	
Is the inspection result normal? YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	
4.CONFIRM THE OPERATION	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1.	

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Revision: 2009 July **DLK-351** 2010 370Z

TAKE AWAY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

TAKE AWAY WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396224

1. CHECK POWER POSITION

Check if ignition switch position is changing or not.

Does ignition switch position change?

YES >> GO TO 2

NO >> Check BCM for DTC. Refer to BCS-86, "DTC Index".

2.check door switch

Check door switch.

Refer to DLK-285, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK TRUNK ROOM LAMP SWITCH

Check trunk room lamp switch.

Refer to DLK-298, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK KEY SLOT

Check key slot.

Refer to DLK-319, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to <u>DLK-279</u>, "DTC Logic".
- Console: Refer to <u>DLK-281</u>, "<u>DTC Logic"</u>.
- Trunk room: Refer to <u>DLK-283, "DTC Logic"</u>.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace the malfunctioning parts.

 $oldsymbol{6}.$ CHECK BUZZER (COMBINATION METER)

Check buzzer (combination meter).

Refer to DLK-324, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace the malfunctioning parts.

7.CHECK COMBINATION METER DISPLAY

Check combination meter display.

Refer to DLK-323, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace the malfunctioning parts.

8.CHECK INTELLIGENT KEY WARNING BUZZER

Check Intelligent Key warning buzzer.

Refer to DLK-316, "Component Function Check".

TAKE AWAY WARNING DOES NOT OPERATE	[ROADSTER]
< SYMPTOM DIAGNOSIS > Is the inspection result normal?	[NOADSTER]
YES >> GO TO 9.	
NO >> Repair or replace the malfunctioning parts.	
9.check key slot indicator	
Check key slot indicator. Refer to DLK-321, "Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 10.	
NO >> Repair or replace the malfunctioning parts.	
10.confirm the operation	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to <u>GI-39, "Intermittent Incident"</u> . NO >> GO TO 1.	

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INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

INTELLIGENT KEY LOW BATTERY WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396225

1. CHECK "LO- BATT OF KEY FOB WARN" SETTING IN "WORK SUPPORT"

- 1. Select "INTELLIGENT KEY" of "BCM" using CONSULT-III.
- 2. Select "LO- BATT OF KEY FOB WARN" in "WORK SUPPORT" mode.
- 3. Check "LO- BATT OF KEY FOB WARN" setting in "WORK SUPPORT".

 Refer to <u>DLK-232</u>, "INTELLIGENT KEY: CONSULT-III Function (BCM INTELLIGENT KEY)".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Set "LO- BATT OF KEY FOB WARN" setting in "WORK SUPPORT".

2. CHECK INTELLIGENT KEY

Check Intelligent Key.

Refer to DLK-318, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3. CHECK COMBINATION METER DISPLAY

Check combination meter display.

Refer to DLK-323, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK INSIDE KEY ANTENNA

Check inside key antenna.

- Instrument center: Refer to DLK-279, "DTC Logic".
- Console: Refer to <u>DLK-281</u>, "<u>DTC Logic</u>".
- Trunk room: Refer to DLK-283, "DTC Logic".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

DOOR LOCK OPERATION WARNING DOES NOT OPERATE

[ROADSTER] < SYMPTOM DIAGNOSIS > DOOR LOCK OPERATION WARNING DOES NOT OPERATE Α Diagnosis Procedure INFOID:0000000005396226 1. CHECK DOOR LOCK FUNCTION В Check door lock function. Does door lock/unlock using door request switch? C YES >> GO TO 2. NO >> Refer to DLK-130, "ALL DOOR: Diagnosis Procedure". 2.CHECK INTELLIGENT KEY WARNING BUZZER D Check Intelligent Key warning buzzer. Refer to DLK-316, "Component Function Check". Is the inspection result normal? Е YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3.CONFIRM THE OPERATION F Confirm the operation again. Is the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident". NO >> GO TO 1. Н J DLK M Ν

DLK-355 Revision: 2009 July 2010 370Z Р

KEY ID WARNING DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

KEY ID WARNING DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396227

1. CHECK INTELLIGENT KEY

Check Intelligent Key.

Refer to DLK-318, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK COMBINATION METER DISPLAY FUNCTION

Check combination meter display function.

Refer to DLK-323, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

EY WARNING LAMP DOES NOT ILLUMINATE iagnosis Procedure .CHECK KEY WARNING LAMP heck key warning lamp. efer to DLK-325, "Component Function Check". the inspection result normal? (FES >> GO TO 2. NO >> Repair or replace the malfunctioning partsCONFIRM THE OPERATION onfirm the operation again. the result normal? (FES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	KEY WARNING LAMP DOES NOT ILLUMINATE	[ROADSTER]
iagnosis Procedure .CHECK KEY WARNING LAMP heck key warning lamp. efer to DLK-325, "Component Function Check". the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. .CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39. "Intermittent Incident".	SYMPTOM DIAGNOSIS > KEY WARNING LAMP DOES NOT ILLUMINATE	[ROADOTER]
heck key warning lamp. efer to DLK-325, "Component Function Check". the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	Diagnosis Procedure	INFOID:000000005396228
efer to DLK-325, "Component Function Check". the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	1.CHECK KEY WARNING LAMP	
the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	Check key warning lamp.	
NO >> Repair or replace the malfunctioning parts. CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	s the inspection result normal?	
CONFIRM THE OPERATION onfirm the operation again. the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".		
the result normal? YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	2.CONFIRM THE OPERATION	
YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".	Confirm the operation again.	_
	YES >> Check intermittent incident. Refer to <u>GI-39</u> , "Intermittent Incident".	

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INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000005396229

1. CHECK INTEGRATED HOMELINK TRANSMITTER

Check integrated homelink transmitter.

Refer to DLK-327, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to GI-39, "Intermittent Incident".

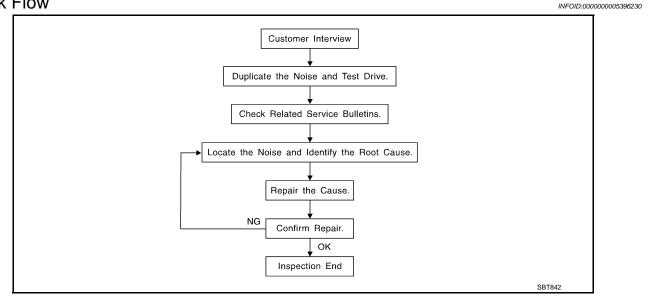
[ROADSTER]

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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 DLK-363, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics
 are provided so the customer, service adviser and technician are all speaking the same language when
 defining the noise.
- Squeak (Like tennis shoes on a clean floor)
 Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces
 - = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak (Like walking on an old wooden floor)
 Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle (Like shaking a baby rattle)
 Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock (Like a knock on a door)
 Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick (Like a clock second hand)
 Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump (Heavy, muffled knock noise)
 Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz (Like a bumblebee)
 Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that a technician
 may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[ROADSTER]

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

- 1) Close a door.
- 2) Tap or push/pull around the area where the noise appears to be coming from.
- 3) Rev the engine.
- 4) Use a floor jack to recreate vehicle "twist".
- 5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
- 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, Engine ear and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the components in the area that is are suspected to be the cause of the noise.
 Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
 Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
- Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that are suspected to be the cause of the noise.
- Looking for loose components and contact marks.
 Refer to <u>DLK-361</u>, "Inspection Procedure".

REPAIR THE CAUSE

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

CAUTION:

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

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

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

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

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

71L02:15 \times 25 mm (0.59 \times 0.98 in)

INSULATOR (Foam blocks)

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

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

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

INSULATOR (Light foam block)

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

FELT CLOTHTAPE

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

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

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

UHMW (TEFLON) TAPE

SQUEAK AND RATTLE TROUBLE DIAGNOSES [ROADSTER] < SYMPTOM DIAGNOSIS > Insulates where slight movement is present. Ideal for instrument panel applications. SILICONE GREASE Α Used in place of UHMW tape that is be visible or does not fit. Will only last a few months. SILICONE SPRAY Used when grease cannot be applied. В **DUCT TAPE** Used to eliminate movement. CONFIRM THE REPAIR Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet. Inspection Procedure D INFOID:0000000005396231 Refer to Table of Contents for specific component removal and installation information. INSTRUMENT PANEL Е Most incidents are caused by contact and movement between: 1. The cluster lid A and instrument panel F Acrylic lens and combination meter housing Instrument panel to front pillar garnish Instrument panel to windshield Instrument panel mounting pins Wiring harnesses behind the combination meter 7. A/C defroster duct and duct joint These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness. CAUTION: Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible. CENTER CONSOLE Components to pay attention to include: 1. Shifter assembly cover to finisher A/C control unit and cluster lid C Wiring harnesses behind audio and A/C control unit The instrument panel repair and isolation procedures also apply to the center console. DOORS Pay attention to the following: Finisher and inner panel making a slapping noise Inside handle escutcheon to door finisher N Wiring harnesses tapping 4. Door striker out of alignment causing a popping noise on starts and stops Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-43980) to repair the noise. TRUNK Р Trunk noises are often caused by a loose jack or loose items put into the trunk by the customer.

4. A loose license plate or bracket

In addition look for the following:

Trunk lid dumpers out of adjustment
 Trunk lid striker out of adjustment

3. The trunk lid torsion bars knocking together

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[ROADSTER]

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

SUNROOF/HEADLINING

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

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

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

SEATS

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

- Headrest rods and holder
- 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 underhood noise include:

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

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[ROADSTER]

Diagnostic Worksheet

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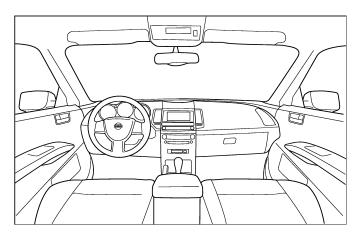


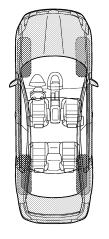
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

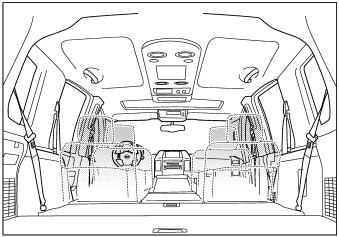
Dear Nissan Customer:

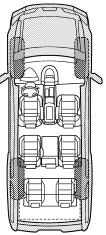
We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be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

[ROADSTER]

Briefly describe the location where the	e noise occurs:			
II. WHEN DOES IT OCCUR? (please	check the boxes that apply)			
□ anytime□ 1st time in the morning□ only when it is cold outside□ only when it is hot outside	☐ after sitting out in the rain ☐ when it is raining or wet ☐ dry or dusty conditions ☐ other:			
III. WHEN DRIVING:	IV. WHAT TYPE OF NOISE			
 □ through driveways □ over rough roads □ over speed bumps □ only about mph □ on acceleration □ coming to a stop □ on turns: left, right or either (circle) □ with passengers or cargo 				
other: miles or TO BE COMPLETED BY DEALERS!				
other:	HIP PERSONNEL YES NO Initials of person			
other: miles or TO BE COMPLETED BY DEALERS!	YES NO Initials of person performing			

This form must be attached to work Order

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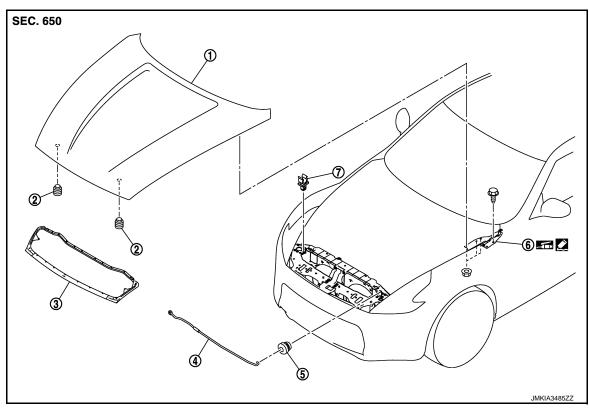
REMOVAL AND INSTALLATION

HOOD

HOOD ASSEMBLY

HOOD ASSEMBLY: Exploded View





- 1. Hood assembly
- 4. Hood support rod
- 7. Clamp

- Hood bumper rubber
- 5. Grommet

- 3. Hood seal (front)
- 6. Hood hinge

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

HOOD ASSEMBLY: Removal and Installation

INFOID:0000000005396234

CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- Remove washer nozzle (LH/RH) and washer tube. Refer to <u>WW-94, "Removal and Installation"</u>.
- Support hood assembly with a suitable material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood stay.

3. Remove hood hinge mounting bolts on the hood to remove the hood assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check hood open/close, lock/unlock operation.

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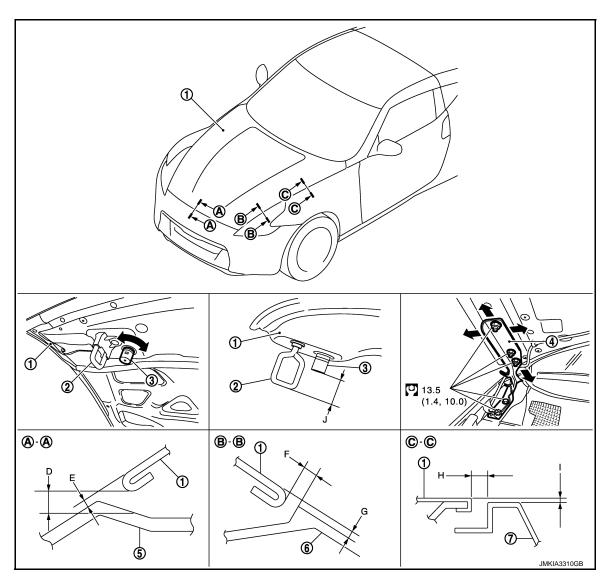
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- · After installation, adjust the following parts.
- Hood: Refer to <u>DLK-366, "HOOD ASSEMBLY: Adjustment"</u>.
- Washer nozzle (LH/RH) and washer tube: Refer to WW-94, "Removal and Installation".
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.

HOOD ASSEMBLY: Adjustment

INFOID:0000000005396235



- 1. Hood assembly
- 4. Hood hinge

- 2. Hood striker
- Front bumper fascia
- Hood bumper rubber
- 6. Front combination lamp

7. Front fender

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

Check the clearance and the surface height between hood and each part by seeing and touching. Fitting standard dimension in the table below should be satisfied.

If the clearance and the surface height are out of specification, adjust them according to the procedures shown below.

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					Unit: mm (in)
Portion		Standard	Difference (LH/RH, MAX)		
Hood – Front bumper fascia	Α Λ	D	Clearance	2.9 - 6.9 (0.114 - 0.272)	_
	A-A	E	Surface height	-1.0 - 3.0 (-0.039 - 0.118)	_
Hood – Front combination lamp	D D	F	Clearance	1.5 - 5.5 (0.059 - 0.217)	2.2 (0.087)
	B - B	G	Surface height	-1.0 - 3.0 (-0.039 - 0.118)	3.0 (0.118)
Hood – Front fender C – C	Н	Clearance	2.5 - 4.5 (-0.098 - 0.177)	2.0 (0.079)	
	0-0	ı	Surface height	-0.75 - 1.25 (-0.030 - 0.049)	2.0 (0.079)
Hood striker – Hood bumper rubber	_	J	Height difference	35.7 – 36.7 (1.406 – 1.445)	_

- 1. Remove striker and adjust the surface height of hood, front bumper fascia and front fender according to the fitting standard dimension, by rotating hood bumper rubber.
- 2. Adjust the height difference of striker, hood bumper rubber according to the fitting standard dimension.
- 3. Loosen hood hinge mounting nuts on the hood.
- 4. Adjust the clearance of hood, front bumper fascia and front fender according to the fitting standard dimension, for the hood.
- 5. Check that hood lock primary latch is securely engaged with striker by dropping hood from approximately 200 mm (7.874 in) height or pressing lightly on the hood.

CAUTION:

Never drop hood from a height of 300 mm (11.811 in) or more.

6. Install as static closing face of hood is 94 – 490 N (9.6 – 50.0 kg, 21.1 – 110 lb).

NOTE:

- Exercise vertical force on right side and left side of hood lock.
- Do not simultaneously press both sides.
- 7. After adjustment, tighten hood hinge mounting nuts to the specified torque.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.

HOOD HINGE

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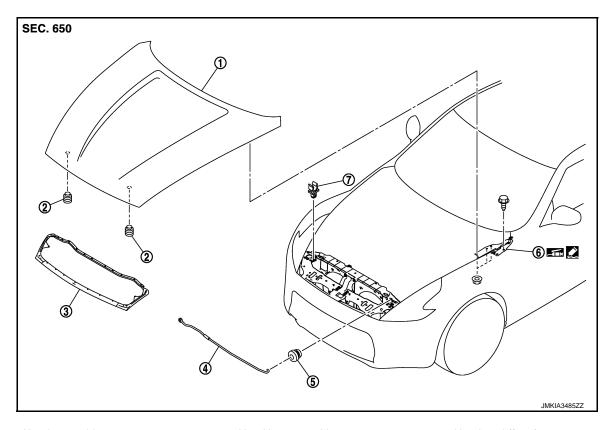
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HOOD HINGE: Exploded View

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- 1. Hood assembly
- Hood bumper rubber
- 3. Hood seal (front)

- 4. Hood support rod
- 5. Grommet

6. Hood hinge

7. Clamp

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

HOOD HINGE: Removal and Installation

INFOID:0000000005396237

REMOVAL

- 1. Remove hood assembly. Refer to <u>DLK-365</u>, "HOOD ASSEMBLY: Removal and Installation".
- 2. Remove hood hinge mounting bolts, and then remove hood hinge.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- · Apply anticorrosive agent onto the mounting surface.
- Check hood hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check hood open/close, lock/unlock operation.
- After installation, apply touch-up paint (the body color) onto the heads of hood hinge mounting bolts and nuts.
- After installation, perform the fitting adjustment. Refer to <u>DLK-366</u>, "HOOD ASSEMBLY : Adjustment".

HOOD SUPPORT ROD

HOOD SUPPORT ROD: Exploded View

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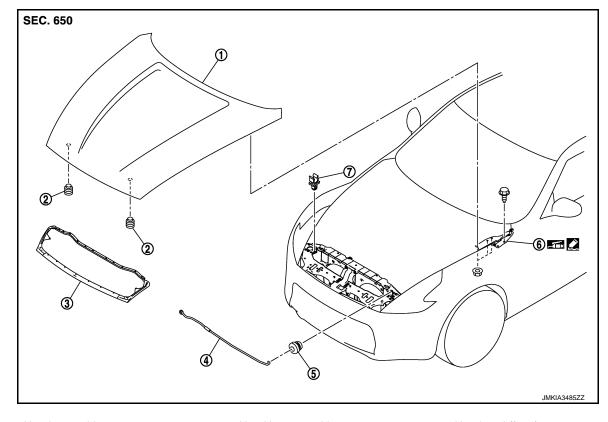
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1. Hood assembly

Clamp

- Hood support rod
- 2. Hood bumper rubber
- Grommet

- 3. Hood seal (front)
- Hood hinge

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

HOOD SUPPORT ROD: Removal and Installation

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REMOVAL

4.

7.

1. Support hood assembly with a suitable material to prevent it from falling.

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood support rod.

2. Pull hood support rod from grommet and remove.

INSTALLATION

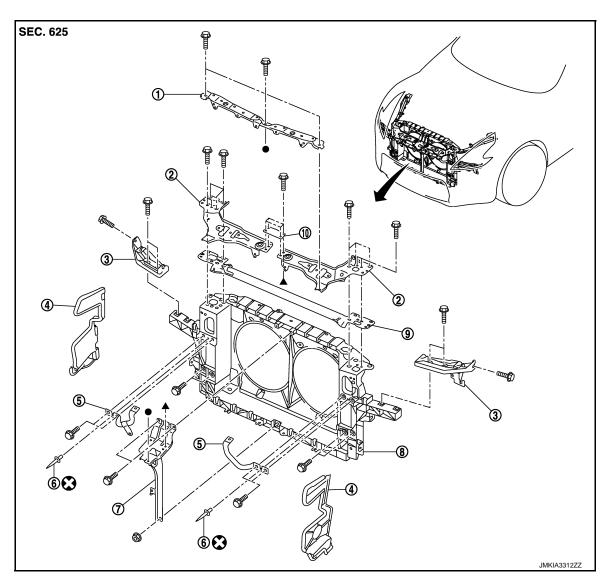
Install in the reverse order of removal.

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RADIATOR CORE SUPPORT

Exploded View



- 1. Front bumper retainer
- 4. Air guide (LH/RH)
- 7. Hood lock stay assembly
- 10. Hood lock bracket (center)
- Refer to GI-4, "Components" for symbols in the figure.
- 2. Hood lock bracket (LH/RH)
- 5. Hood lock stay (LH/RH)
- 8. Radiator core support assembly
- 3. Head lamp bracket (LH/RH)
- 6. Rivet
- 9. Radiator core support reinforcement

Removal and Installation

INFOID:0000000005396241

REMOVAL

- Remove front bumper fascia, energy absorber, and bumper reinforcement. Refer to <u>EXT-14, "Removal and Installation"</u>.
- 2. Remove engine under cover. Refer to EXT-30, "FLOOR UNDER COVER: Removal and Installation".
- 3. Drain engine coolant from radiator. Refer to MA-19, "ENGINE COOLANT: Draining".
- 4. Use refrigerant collecting equipment to discharge the refrigerant. Refer to HA-29, "Recycle Refrigerant".
- 5. Remove air guide (LH/RH).
- 6. Remove bumper center upper finisher. Refer to EXT-13, "Exploded View".

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RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

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- 7. Disconnect harness clips and hood lock control cable clips from bumper retainer.
- 8. Remove bumper retainer.
- 9. Remove horn (HIGH/LOW). Refer to HRN-7, "Removal and Installation".
- 10. Remove hood lock (LH/RH). Refer to DLK-387, "Removal and Installation".
- 11. Remove front combination lamp (LH/RH). Refer to EXL-122, "Removal and Installation".
- 12. Support hood assembly with a suitable material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting rod is holding the hood open when removing the hood support rod.

- 13. Remove hood lock bracket (center).
- 14. Remove hood lock bracket (LH/RH).

NOTE:

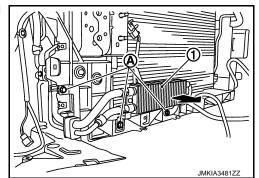
Remove hood lock bracket RH and washer inlet at the same time.

- 15. Remove ambient sensor. Refer to HAC-88, "Removal and Installation".
- Remove hood lock stay assembly.
- 17. Remove radiator core support reinforcement.
- 18. Remove washer tank. Refer to <a href="https://www.energy.gov/ww.energy.gov/www.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.energy.gov/ww.
- 19. Remove Intelligent Key warning buzzer. Refer to <u>DLK-404, "Removal and Installation"</u>.
- 20. Remove head lamp bracket (LH/RH).
- Remove air cleaner case assembly (LH/RH). Refer to <u>EM-31, "Removal and Installation"</u>.
- Remove air duct (LH/RH). Refer to <u>EM-31, "Removal and Installation"</u>.
- 23. Disconnect condenser pipe assembly at one touch joint. Refer to <u>HA-44, "CONDENSER PIPE ASSEM-BLY</u>: Removal and Installation".
- 24. Remove the radiator reservoir tank. Refer to CO-14, "Exploded View".
- Remove radiator upper hose. Refer to <u>CO-14, "Exploded View"</u>.
- Disconnect harness connector of refrigerant pressure sensor. Refer to <u>HA-43, "Exploded View"</u>.
- 27. Remove crash zone sensor. Refer to SR-26, "Removal and Installation".
- 28. Disconnect harness connector of cooling fan. Refer to CO-17, "Removal and Installation".
- 29. Remove upper mount bracket, and then tilt radiator toward vehicle front. Refer to CO-14, "Exploded <a href="View".
- 30. Disconnect all harness clips from radiator core support assembly.

CAUTION:

Never damage radiator.

- 31. Remove radiator lower hose at radiator side.
- 32. Disconnect A/T fluid cooler hose.
- 33. Remove mounting bolts (A), and then move power steering fluid cooler assembly (1) toward vehicle front.



- 34. Remove hood lock stay (LH/RH).
 - Remove the rivets, and then remove the hood lock stay (LH/RH) from the radiator core support assembly.

NOTE:

Removal of rivet.

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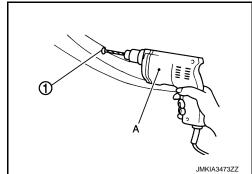
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RADIATOR CORE SUPPORT

< REMOVAL AND INSTALLATION >

[ROADSTER]

Grind the head of rivet (1) with a drill (A) [bit of $4.0 - \phi 4.5$ mm (0.157 - $\phi 0.177$ in)] and then remove the hood lock stay (LH/RH).



35. Remove mounting bolts, and then remove radiator core support assembly.

CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Never damage power steering oil cooler pipe.
- 36. Remove the following parts after removing radiator core support assembly.
 - Cooling fan (LH/RH). Refer to CO-17, "Removal and Installation".
 - Radiator and condenser assembly. Refer to CO-15, "Removal and Installation".

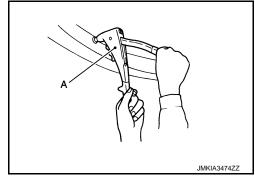
INSTALLATION

Install in the reverse order of removal.

NOTE:

Securely crimp the hood lock stay (LH/RH) with the radiator core support assembly with a hand riveter (A).

Hood lock stay (LH/RH)				
Used rivet head diameter	: φ9.6 mm (φ0.378 in)			



CAUTION:

- After installation, fill the following parts.
- Refrigerant: Refer to HA-29, "Charge Refrigerant".
- Engine coolant: Refer to CO-10, "Refilling".
- A/T fluid: Refer to TM-299, "Changing".
- After installation, adjust the following parts.
- Front combination lamp: Refer to EXL-119, "Description".

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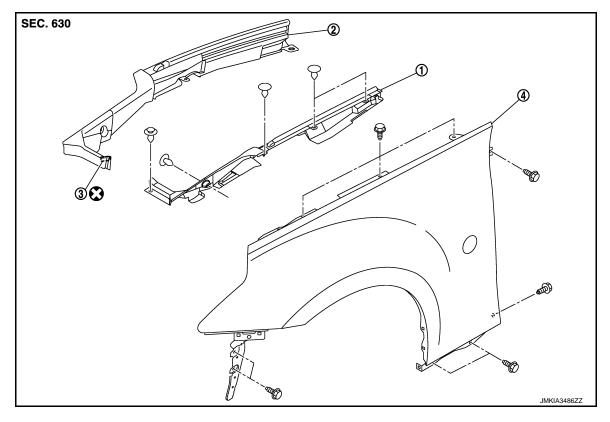
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FRONT FENDER

Exploded View



- Hood seal (side) (LH)
- 2. Hood seal (side) (RH)
- Double-faced adhesive tape [t: 2.0mm (0.079in)]

4. Front fender assembly

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

Removal and Installation

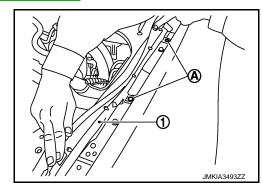
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CAUTION:

Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove front bumper fascia. Refer to EXT-14, "Removal and Installation".
- Remove front combination lamp. Refer to <u>EXL-122</u>, "Removal and Installation".
- 3. Remove side turn signal lamp. Refer to EXL-128, "Removal and Installation".
- 4. Remove clips (A) of hood seal (side) (1).



5. Remove clips and screws of fender protector. Refer to EXT-25, "FENDER PROTECTOR: Removal and Installation".

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FRONT FENDER

< REMOVAL AND INSTALLATION >

[ROADSTER]

- Remove center mud guard. Refer to EXT-27, "Removal and Installation".
- 7. Remove mounting bolts and remove front fender.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installation, apply the touch-up paint (the body color) onto the head of front fender mounting
- After installation, adjust the following parts.
- Hood assembly: Refer to <u>DLK-366, "HOOD ASSEMBLY : Adjustment"</u>.
 Door: Refer to <u>DLK-376, "DOOR ASSEMBLY : Adjustment"</u>.
- Front combination lamp: Refer to EXL-119, "Description".

DOOR

DOOR ASSEMBLY

DOOR ASSEMBLY : Exploded View

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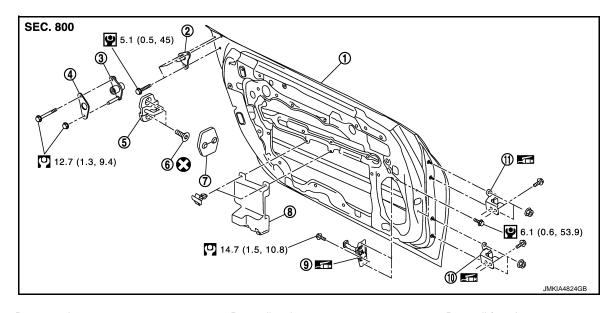
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- 1. Door panel
- 4. Rubber seal
- 7. Door striker cover
- 10. Door hinge (upper/lower)
- Dovetail male
- Door striker
- 8. Door pad
- 11. Door hinge (upper/lower)
- Dovetail female
- 6. TORX bolt
- 9. Door check link

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

DOOR ASSEMBLY: Removal and Installation

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CAUTION:

- Operate with 2 workers, because of its heavy weight.
- Use protective tape or shop cloth to protect from damage during removal and installation.

REMOVAL

- 1. Remove mounting bolts of door check link on the vehicle.
- Disconnect door harness connector.
- 3. Remove door hinge mounting nuts (door side), and then remove door assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to <u>DLK-376</u>, "<u>DOOR ASSEMBLY</u>: <u>Adjust-ment</u>".
- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.

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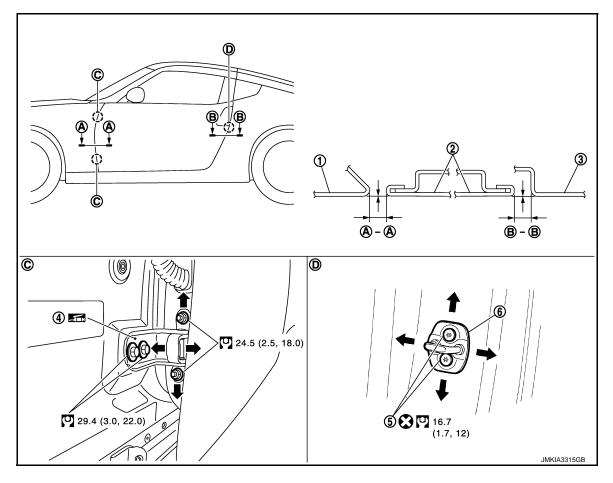
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DOOR ASSEMBLY: Adjustment

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Front fender

- 2. Door panel

3. Rear fender

- Door hinge (upper/lower)
- 5. TORX bolt

Door striker

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

Check the clearance and surface height between door and each part by seeing and touching. If the clearance and surface height are out of specification, adjust them according to the procedures shown below.

Unit: mm (in)

Portion		Clearance	Surface height
Front fender – Door	A – A	3.0 - 5.0 (0.118 - 0.197)	-1.0 - 1.0 (-0.039 - 0.039)
Door – Rear fender	B – B	3.0 - 5.0 (0.118 - 0.197)	-1.0 - 1.0 (-0.039 - 0.039)

- Remove front fender. Refer to <u>DLK-373</u>, "Removal and Installation". 1.
- 2. Loosen door hinge mounting nuts on door side.
- Adjust the surface height of door according to the fitting standard dimension.
- 4. Temporarily tighten door hinge mounting nuts on door side.
- 5. Loosen door hinge mounting bolts on body side.
- Raise front at rear end to adjust clearance of the door according to the fitting standard dimension.
- Tighten each bolt and nut to the specified torque. **CAUTION:**
 - Apply anticorrosive agent onto the mounting surface.
 - Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
 - After installation, check door open/close, and lock/unlock operation.

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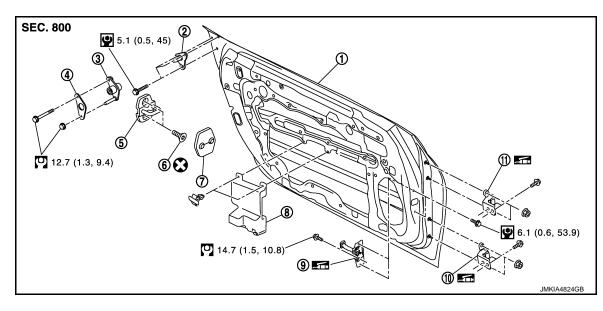
- · After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.
- Install front fender. Refer to <u>DLK-373, "Removal and Installation"</u>.

DOOR STRIKER ADJUSTMENT

Adjust door striker so that it becomes parallel with door lock insertion direction.

DOOR STRIKER

DOOR STRIKER: Exploded View



- Door panel
- Rubber seal
- 7. Door striker cover
- 10. Door hinge (upper/lower)
- Dovetail male 2.
- Door striker 5.
- 8. Door pad
- 11. Door hinge (upper/lower)

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

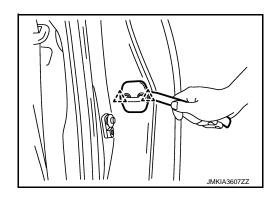
- Dovetail female
- TORX bolt 6.
- Door check link

DOOR STRIKER: Removal and Installation

REMOVAL

Remove door striker cover.

A: Pawl



2. Remove TORX bolts, and then remove door striker.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to DLK-376, "DOOR ASSEMBLY: Adjustment".

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DOOR HINGE

DOOR HINGE: Exploded View

SEC. 800

9 5.1 (0.5, 45)

12.7 (1.3, 9.4)

6 2

14.7 (1.5, 10.8)

9 11

- 1. Door panel
- 4. Rubber seal
- 7. Door striker cover
- 10. Door hinge (upper/lower)
- 2. Dovetail male
- Door striker
- 8. Door pad
- 11. Door hinge (upper/lower)
- 3. Dovetail female
- 6. TORX bolt
- 9. Door check link

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

DOOR HINGE: Removal and Installation

INFOID:0000000005396250

JMKIA4824GB

REMOVAL

- 1. Remove door assembly. Refer to DLK-375, "DOOR ASSEMBLY: Removal and Installation".
- 2. Remove door hinge mounting bolts, and then remove door hinge.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Apply anticorrosive agent onto the mounting surface.
- Check door hinge rotating part for poor lubrication. If necessary, apply body grease.
- After installation, check door open/close, and lock/unlock operation.
- After installation, perform the fitting adjustment. Refer to DLK-376, "DOOR ASSEMBLY: Adjustment".
- After installation, apply touch-up paint (the body color) onto the head of door hinge mounting bolts and nuts.

DOOR CHECK LINK

DOOR CHECK LINK : Exploded View

INFOID:0000000005583900

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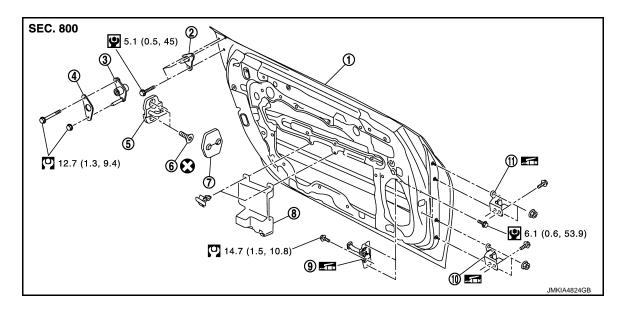
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- 1. Door panel
- 4. Rubber seal
- Door striker cover
- 10. Door hinge (upper/lower)
- 2. Dovetail male
- Door striker
- 8. Door pad
- 11. Door hinge (upper/lower)
- 3. Dovetail female
- 6. TORX bolt
- 9. Door check link

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

DOOR CHECK LINK: Removal and Installation

INFOID:0000000005396252

REMOVAL

- Remove door finisher. Refer to <u>INT-14, "Removal and Installation"</u>.
- 2. Fully close the door window.
- Remove door speaker. Refer to <u>AV-188</u>. "<u>Removal and Installation</u>" (without navigation) or <u>AV-335</u>. "<u>Removal and Installation</u>" (with navigation).
- 4. Remove mounting bolts of door check link on the vehicle.
- 5. Remove mounting bolts of door check link on door panel.
- 6. Take door check link out from the hole of door panel.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

After installation, check door open/close operation.

DOVETAIL

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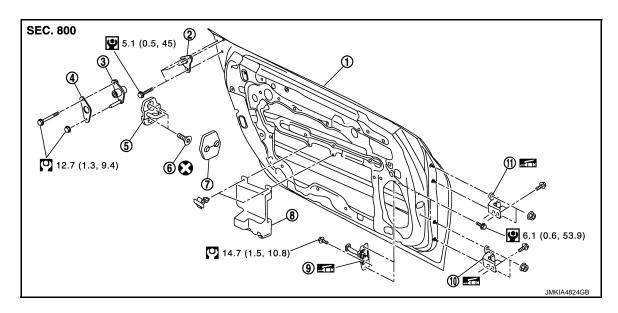
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DOVETAIL: Exploded View

INFOID:0000000005584061



- 1. Door panel
- 4. Rubber seal
- 7. Door striker cover
- 10. Door hinge (upper/lower)
- 2. Dovetail male
- 5. Door striker
- 8. Door pad
- 11. Door hinge (upper/lower)
- 3. Dovetail female
- 6. TORX bolt
- Door check link

Refer to $\underline{\text{GI-4, "Components"}}$ for symbols in the figure.

DOVETAIL: Removal and Installation

INFOID:0000000005567745

REMOVAL

Dovetail male

1. Remove the TORX bolts, and then remove dovetail male.

Dovetail female

- Remove body side weather-strip. Refer to <u>EXT-37</u>, "<u>FRONT PILLAR FINISHER (Roadster)</u>: <u>Exploded View</u>".
- 2. Remove rear side finisher. Refer to INT-52, "REAR SIDE FINISHER: Removal and Installation".
- 3. Remove mounting bolt and nut, and then remove dovetail female.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

Check the engagement between dovetail female and dovetail male for noise or looseness when closing the door.

TRUNK LID

TRUNK LID ASSEMBLY

TRUNK LID ASSEMBLY: Exploded View

INFOID:0000000005554064

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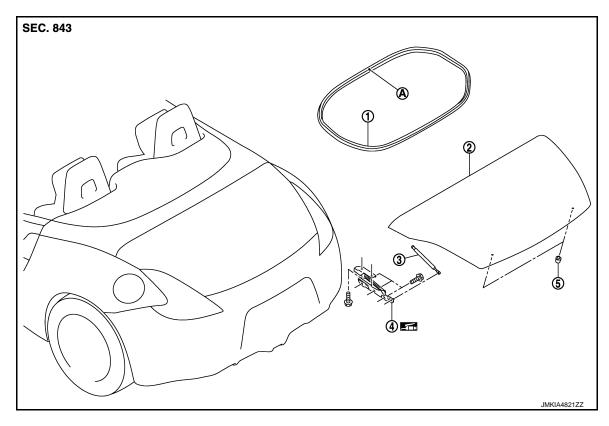
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REMOVAL



1. Trunk lid

- 2. Trunk lid weather-strip
- Trunk lid stay

4. Trunk lid hinge

Bumper rubber

A : Center mark

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

TRUNK LID ASSEMBLY: Removal and Installation

INFOID:0000000005554065

CAUTION.

Operate with two workers, because of its heavy weight.

REMOVAL

- 1. Remove the trunk side finisher. Refer to INT-90, "TRUNK SIDE FINISHER: Removal and Installation"
- Disconnect the connectors in the trunk lid, and remove the harness clamps to pull the harness out of the trunk lid.
- 3. Remove trunk lid stay at trunk lid side. Refer to DLK-384, "TRUNK LID STAY: Removal and Installation".
- 4. Remove the trunk lid hinge mounting bolts on trunk lid side and remove the trunk lid assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- After installing, apply touch-up paint (the body color) onto the head of the hinge mounting bolts.
- Check trunk lid open/close, lock/unlock operation after installation.
- After installation, perform fitting adjustment. Refer to <u>DLK-382, "TRUNK LID ASSEMBLY: Adjustment"</u>.

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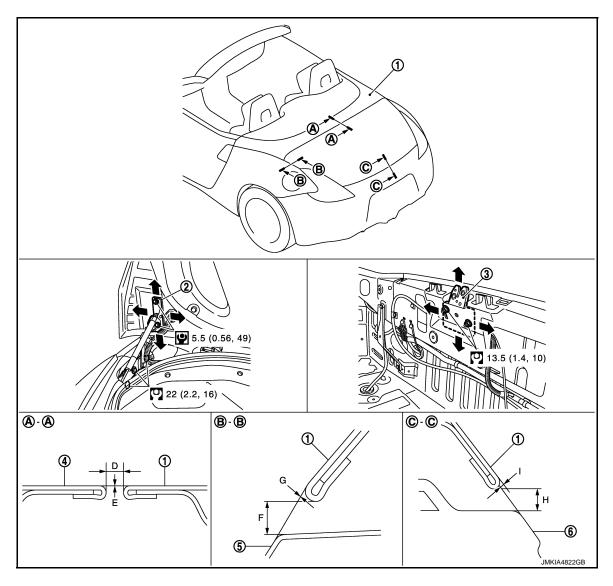
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TRUNK LID ASSEMBLY : Adjustment

INFOID:0000000005554066



- Trunk lid assembly
 Body side outer
- 2. Trunk lid hinge
- 5. Rear combination lamp
- 3. Trunk lid striker
- 6. Rear bumper fascia

Refer to $\underline{\text{GI-4. "Components"}}$ for symbols in the figure.

Check the clearance and surface height between trunk lid and each part by visually and touching. If the clearance and surface height are out of specification, adjust them according to the procedures shown below.

Unit: mm (in)

Portion			Standard	Difference (RH/LH, MAX)
Trunk lid – Storage lid	A – A	Clearance	3.0 - 7.0 (0.118 - 0.276)	_
	A-A E	Surface height	-1.0 - 1.5 (-0.039 - 0.060)	_
Trunk lid – Rear fender	B-B	Clearance	3.0 - 7.0 (0.118 - 0.276)	2.0 (0.079)
	G	Surface height	-1.7 - 2.3 (-0.067 - 0.091)	_

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Portion			Standard	Difference (RH/LH, MAX)	
Trunk lid – Rear bumper fascia	C – C	Н	Clearance	3.0 - 7.0 (0.118 - 0.276)	_
		I	Surface height	-1.0 - 3.0 (-0.039 - 0.118)	_

- 1. Loosen trunk lid hinge mounting bolts (trunk lid side).
- Remove trunk rear plate. Refer to <u>INT-86</u>, "TRUNK REAR PLATE: Removal and Installation".
- 3. Loosen trunk lid striker mounting bolts.
- 4. Lift up trunk lid approximately 100 150 mm (3.937 5.906 in) height then close it lightly and check that it is engaged firmly with trunk lid closed.
- 5. Check the clearance and surface height.
- 6. Finally tighten trunk lid hinge and trunk lid striker.
- 7. Install trunk rear plate. Refer to INT-86, "TRUNK REAR PLATE: Removal and Installation".

TRUNK LID STRIKER ADJUSTMENT

Adjust trunk lid striker so that it becomes parallel with trunk lid lock insertion direction.

TRUNK LID HINGE

TRUNK LID HINGE: Exploded View

INFOID:0000000005568321

REMOVAL

SEC. 843

1. Trunk lid

Trunk lid weather-strip

Bumper rubber

Trunk lid stay

- 4. Trunk lid hinge
- A : Center mark

Refer to $\underline{\text{GI-4. "Components"}}$ for symbols in the figure.

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TRUNK LID HINGE: Removal and Installation

INFOID:0000000005554127

REMOVAL

- 1. Remove trunk lid assembly. Refer to <u>DLK-381, "TRUNK LID ASSEMBLY: Removal and Installation"</u>.
- 2. Remove trunk lid hinge mounting nuts (body side), and then remove trunk lid hinge.
- 3. Remove trunk lid stay from trunk lid hinge. Refer to DLK-384, "TRUNK LID STAY: Removal and Installation".

INSTALLATION

Install in the reverse order of removal.

CAUTION:

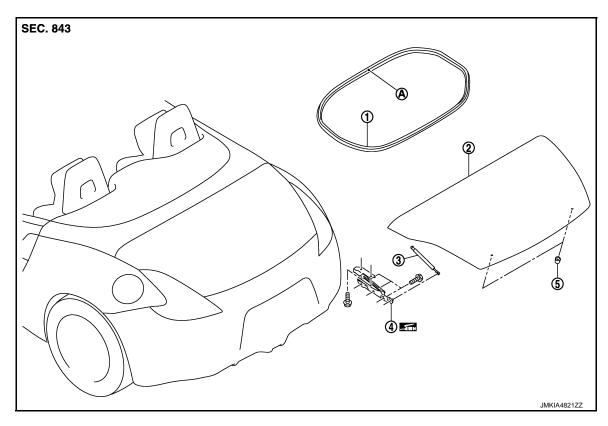
- Check trunk lid open/close, lock/unlock operation after installation.
- Check trunk lid hinge rotating part for poor lubrication. If necessary, apply body grease.
- When removing and installing trunk lid assembly, perform the fitting adjustment. Refer to <u>DLK-382</u>, <u>"TRUNK LID ASSEMBLY: Adjustment"</u>.
- After installation, apply touch-up paint (the body color) onto the head of trunk lid hinge mounting bolts.

TRUNK LID STAY

TRUNK LID STAY: Exploded View

INFOID:0000000005568322

REMOVAL



1. Trunk lid

- 2. Trunk lid weather-strip
- Trunk lid stay

4. Trunk lid hinge

Bumper rubber

A : Center mark

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

TRUNK LID STAY: Removal and Installation

INFOID:0000000005554129

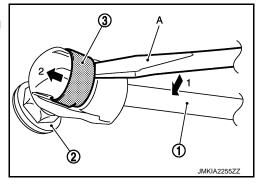
REMOVAL

Support trunk lid with the proper material to prevent it from falling.

WARNING:

Bodily injury may occur if no supporting rod is holding the trunk lid open when removing the trunk lid stay.

- 2. Remove the metal clip (3) located on the connection between the trunk lid stay (1) and the stud ball (2) (trunk lid side) by using a flat-bladed screwdriver (A).
- 3. Remove trunk lid stay (trunk lid side).



In the same way, remove trunk lid stay (body side).

INSTALLATION

Install in the reverse order of removal.

CAUTION:

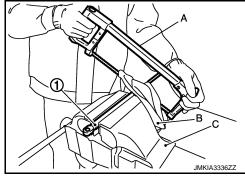
Check trunk lid open/close operation after installation.

TRUNK LID STAY: Disposal

- 1. Fix back door stay (1) using a vise (C).
- 2. Using hacksaw (A) slowly make 2 holes in the back door stay, in numerical order as shown in the figure.

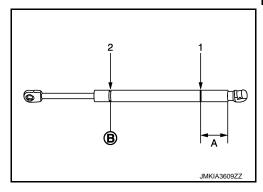
CAUTION:

- When cutting a hole on back door stay, always cover a hacksaw using a shop cloth (B) to avoid scattering metal fragments or oil.
- Wear eye protection (safety glasses).
- · Wear gloves.



A: 20 mm (0.787 in)

B: Cut at the groove.



TRUNK LID WEATHER-STRIP

TRUNK LID WEATHER-STRIP: Exploded View

REMOVAL

INFOID:0000000005568323

DLK-385 Revision: 2009 July 2010 370Z

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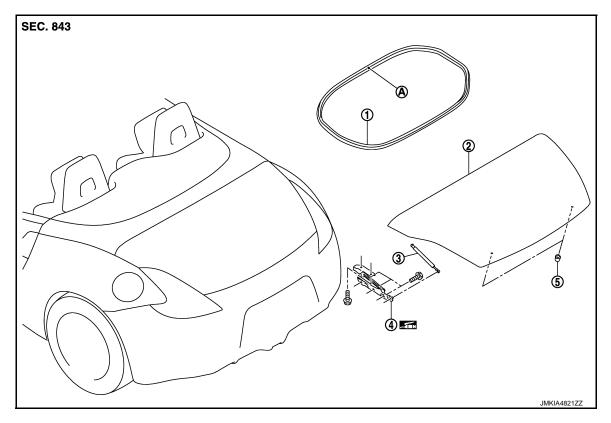
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1. Trunk lid

- 2. Trunk lid weather-strip
- 3. Trunk lid stay

4. Trunk lid hinge

Bumper rubber

A : Center mark

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

TRUNK LID WEATHER-STRIP: Removal and Installation

INFOID:0000000005554131

REMOVAL

Pull up and remove engagement with body from weather-strip joint.

CAUTION:

Never pull strongly on weather-strip.

INSTALLATION

- 1. Working from the upper section, align weather-strip center mark (upper) with vehicle center position mark and install weather-strip onto the vehicle.
- 2. For the lower section, align weather-strip center mark (lower) with center of trunk lid striker.
- 3. Pull weather-strip gently to ensure that there is no loose section.

NOTE:

Check that weather-strip fits tightly in each corner.

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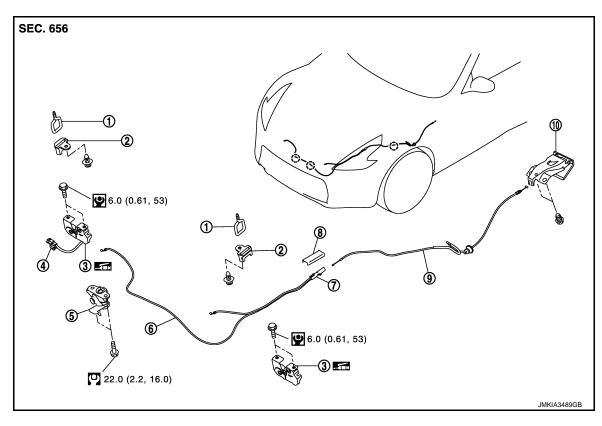
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HOOD LOCK

Exploded View INFOID:0000000005396265



- Hood striker 1.
- Hood switch
- Hood lock control cable protector 7.
- 2. Hood cover
- 5. Secondary latch
- Hood lock control cable protector cover
- 3. Hood lock
- 6. Hood lock control cable (front)
- Hood lock control cable (rear)

10. Hood lock opener

: Clip

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

Removal and Installation

INFOID:0000000005396266

REMOVAL

CAUTION:

Before removal, confirm how the hood lock control cable is allocated and connected.

- Remove bumper center upper finisher. Refer to EXT-13, "Exploded View".
- Remove fender protector (LH). Refer to EXT-25, "FENDER PROTECTOR: Removal and Installation". 2.
- Disconnect hood lock switch (RH side) harness connector. 3.
- Disconnect the hood lock control cable clips on front bumper retainer. 4.
- Remove the hood lock mounting bolts, and disassemble the hood lock from the hood lock bracket (LH/ RH). Refer to <u>DLK-370, "Exploded View"</u>.
- Remove mounting bolts and remove hood lock bracket (LH/RH). 6.
- 7. Disassembly hood lock from hood lock bracket (LH/RH).

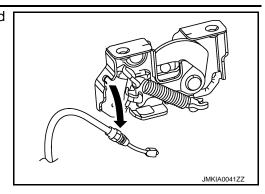
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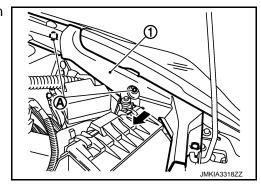
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Р

DLK-387 Revision: 2009 July 2010 370Z Disconnect the hood lock control cable (front) from the hood lock

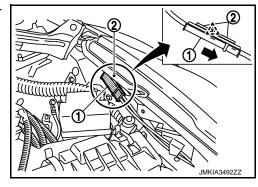


9. Disconnect clip (A) of hood seal assembly (side) (1), and then move toward vehicle inside.

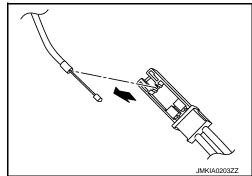


10. Remove the hood lock control cable protector (1) from the head-lamp assembly (2).





- 11. Remove the hood lock control cable cover from hood lock control cable protector.
- 12. Disconnect the hood lock control cable (rear) from hood lock control cable protector.



- 13. Remove hood lock control cable from hood lock opener.
- 14. Remove the grommet on the dash-board, and pull the hood lock control cable (rear) toward the passenger compartment.

CAUTION:

While pulling, never damage (peeling) the outside of the hood lock control cable.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

• Never bend cable too much. Keep the radius 100 mm (3.937 in) or more.

HOOD LOCK

< REMOVAL AND INSTALLATION >

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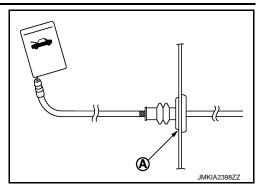
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 Check cable is not offset from the positioning grommet, and apply the sealant to the grommet (A) normally.



Check that hood lock control cable is normally engaged with hood lock.

• After installation, perform the fitting adjustment. Refer to DLK-366, "HOOD ASSEMBLY: Adjustment".

After installation, perform the inspection. Refer to <u>DLK-389</u>, "Inspection".

Inspection INFOID:000000005396267

NOTE:

If the hood lock cable is bent or deformed, replace it.

1. Check that secondary latch is normally engaged with secondary striker [6.8 mm (0.268 in)] by hood weight.

2. While operating hood opener, carefully check that the front end of hood is raised by approximately 20 mm (0.787 in). Also check that hood opener returns to the original position.

3. Check that hood opener operating is condition 49 N (5.0 kg, 11.0 lb) or less.

4. Install so that static closing force of hood is 94 – 490 N (9.6 – 50.0 kg, 21.1 – 110 lb). **NOTE:**

• Exert vertical force on right side and left side of hood lock.

• Do not simultaneously press both sides.

5. Check the hood lock lubrication condition. If necessary, apply body grease to hood lock.

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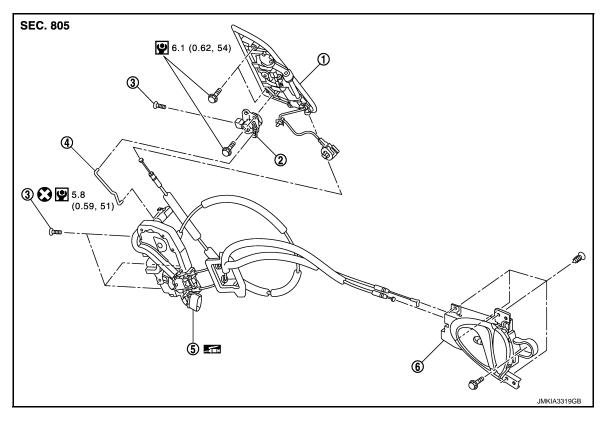
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Revision: 2009 July **DLK-389** 2010 370Z

DOOR LOCK DOOR LOCK

DOOR LOCK: Exploded View

INFOID:0000000005396268



1. Outside handle

- Door key cylinder assembly (driver 3 side)
- 4. Key rod (driver side)
- 5. Door lock assembly
- 6. Inside handle

TORX bolt

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

DOOR LOCK: Removal and Installation

INFOID:0000000005396269

REMOVAL

- 1. Remove door finisher. Refer to INT-14, "Removal and Installation".
- 2. Remove door glass. Refer to GW-20, "Removal and Installation".
- Remove door module assembly. Refer to <u>GW-23, "Removal and Installation"</u>.
- 4. Disconnect key rod (driver side) and outside handle cable from outside handle assembly.
- 5. Remove door lock assembly TORX bolts.
- 6. Disconnect door lock actuator connector, and then remove door lock assembly.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check that door lock cables are normally engaged with inside handle and outside handle.
- · When installing key rod, rotate key rod holder until a click is felt.
- After installation, check door open/close, and lock/unlock operation.

INSIDE HANDLE

INSIDE HANDLE: Exploded View

INFOID:0000000005396270

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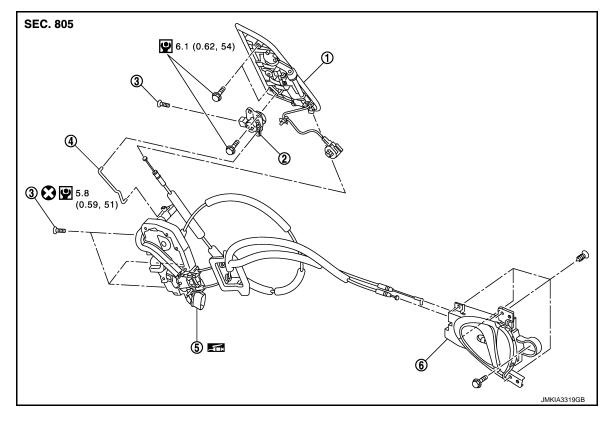
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Outside handle

- 2. Door key cylinder assembly (driver side)
- TORX bolt

- 4. Key rod (driver side)
- 5. Door lock assembly
- 6. Inside handle

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

INSIDE HANDLE: Removal and Installation

INFOID:0000000005396271

REMOVAL

- Remove door finisher. Refer to <u>INT-14, "Removal and Installation"</u>.
- 2. Remove inside handle mounting screws, and then remove the inside handle.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check that door lock cables are normally engaged with inside handle.
- After installation, check door open/close, and lock/unlock operation.

OUTSIDE HANDLE

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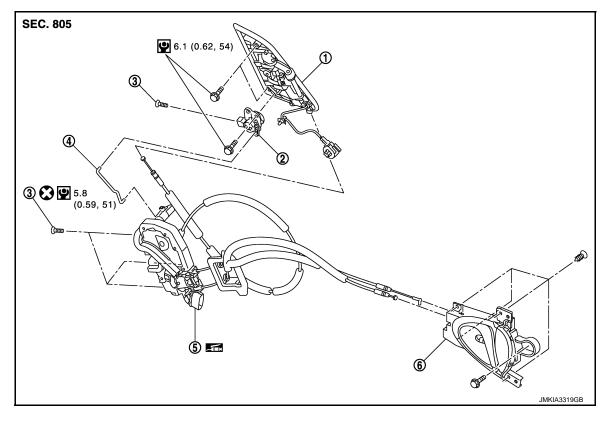
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OUTSIDE HANDLE: Exploded View

INFOID:0000000005396272



Outside handle

- Door key cylinder assembly (driver side)
- 3. TORX bolt

- 4. Key rod (driver side)
- 5. Door lock assembly
- 6. Inside handle

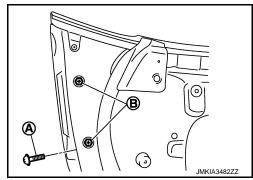
Refer to $\underline{\mbox{GI-4.}\mbox{"}\mbox{Components"}}$ for symbols in the figure.

OUTSIDE HANDLE: Removal and Installation

INFOID:0000000005396273

REMOVAL

- 1. Remove door finisher. Refer to INT-14, "Removal and Installation".
- 2. Remove door glass. Refer to GW-20, "Removal and Installation".
- 3. Remove door module assembly. Refer to GW-23, "Removal and Installation".
- 4. Disconnect key rod (driver side) and outside handle cable.
- 5. Disconnect door request switch connector, and then disconnect harness clamp.
- 6. Remove TORX bolt (A) from door key cylinder assembly (driver side).
- 7. Remove door side grommet, and then remove outside handle mounting bolts (B) through grommet hole.



DOOR LOCK

< REMOVAL AND INSTALLATION >

[ROADSTER]

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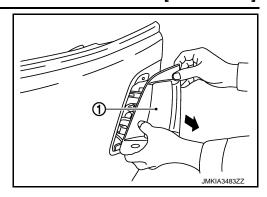
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Pull and remove outside handle assembly (1).



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- When installing key rod, rotate key rod holder until a click is felt.
 Check that door lock cable is normally engaged with outside handle.
- After installation, check door open/close, and lock/unlock operation.

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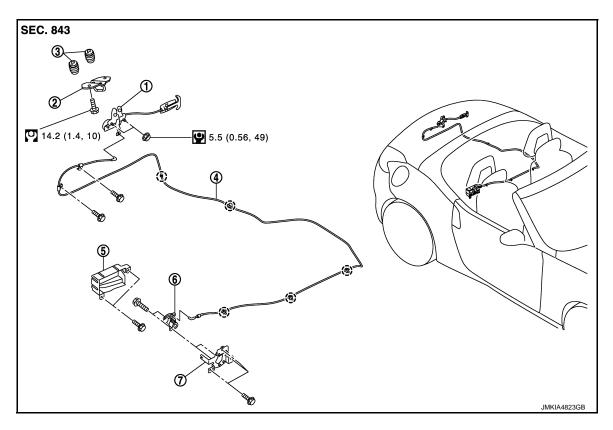
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TRUNK LID LOCK TRUNK LID LOCK

TRUNK LID LOCK: Exploded View

INFOID:0000000005396274



- Trunk lid lock assembly
- Trunk lid opener cable

Trunk lid opener key cylinder bracket

- Trunk lid striker
- Trunk lid opener key cylinder cover
- 3. Lift spring
- Trunk lid opener key cylinder assembly

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

TRUNK LID LOCK: Removal and Installation

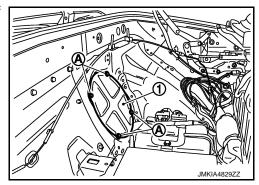
REMOVAL

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- Remove trunk lid weather-strip. Refer to DLK-386, "TRUNK LID WEATHER-STRIP: Removal and Instal-
- 2. Remove trunk lid rear plate. Refer to INT-86, "TRUNK REAR PLATE: Removal and Installation".
- Remove bolts from trunk lid opener cable.
- 4. Remove mounting nuts, and then remove trunk lid lock assembly.
- Disconnect trunk lid opener actuator connector.
- Using a flat-bladed screwdriver disconnect trunk lid opener cable from trunk lid lock assembly. 6.
- Remove trunk lid side finisher. Refer to INT-90, "TRUNK SIDE FINISHER: Removal and Installation". 7.
- Remove rear parcel shelf finisher assembly. Refer to INT-77, "REAR PARCEL SHELF FINISHER ASSEMBLY: Removal and Installation".
- 9. Remove bolts, and then remove trunk lid opener key cylinder cover.
- 10. Remove bolts, and then remove trunk lid opener key cylinder assembly.
- 11. Remove bolts, and then remove trunk lid opener key cylinder from trunk lid opener key cylinder bracket.
- 12. Disconnect trunk lid opener cable from trunk lid opener key cylinder.

< REMOVAL AND INSTALLATION >

- 13. Remove storage room finisher. Refer to INT-96, "STORAGE ROOM FINISHER: Removal and Installation".
- 14. Remove rear speaker. Refer to AV-190, "Removal and Installation". (with rear speaker)
- 15. Remove mounting bolts (A), and then remove side parcel shelf cover LH (1). (without rear speaker)



16. Disconnect clips, and then remove trunk lid opener cable.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

After installation, check back door open/close, lock/unlock operation.

TRUNK LID STRIKER

TRUNK LID STRIKER: Exploded View

SEC. 843 14.2 (1.4, 10) 5.5 (0.56, 49)

- Trunk lid lock assembly
- Trunk lid striker

3. Lift spring

- Trunk lid opener cable
- Trunk lid opener key cylinder cover
- 6. Trunk lid opener key cylinder assembly

Trunk lid opener key cylinder bracket 7.

: Clip

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

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TRUNK LID LOCK

< REMOVAL AND INSTALLATION >

[ROADSTER]

TRUNK LID STRIKER: Removal and Installation

INFOID:0000000005554930

REMOVAL

Remove mounting bolts, and then remove trunk lid striker.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Check trunk lid open/close, lock/unlock operation after installation.
- When removing and installing trunk lid striker, perform the fitting adjustment. Refer to <u>DLK-382</u>, <u>"TRUNK LID ASSEMBLY : Adjustment"</u>.

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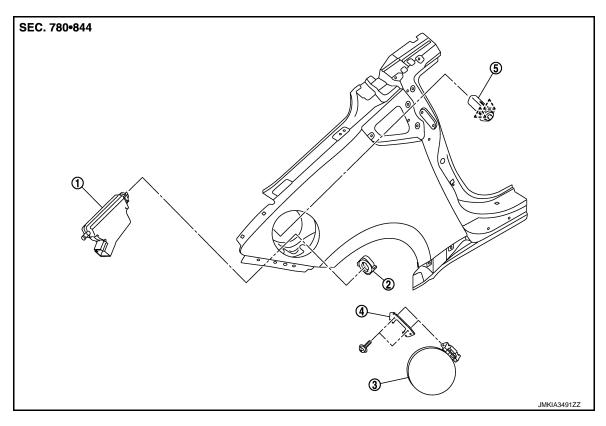
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FUEL FILLER LID OPENER

Exploded View



- Fuel filler lid opener actuator
- 4. Cover
- _^` : Pawl

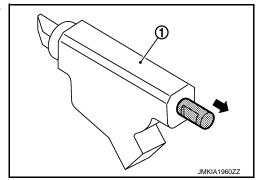
- 2. Lock nut
- 5. Lock and rod assembly

3. Fuel filler lid assembly

Removal and Installation

NOTE:

When fuel filler lid lock actuator (1) is a defective operation, pull the rod to open fuel filler lid.



REMOVAL

- 1. Remove trunk side finisher (RH). Refer to INT-90, "TRUNK SIDE FINISHER: Removal and Installation".
- 2. Pull and remove lock and rod assembly forward, while pushing the pawls.
- 3. Rotate lock nut counterclockwise, and then remove lock nut.
- 4. Push fuel filler lid opener actuator behind the vehicle, while pushing the pawl.
- 5. Disconnect harness connector and remove fuel filler lid opener actuator.
- 6. Remove mounting screws, and then remove fuel filler lid.

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FUEL FILLER LID OPENER

< REMOVAL AND INSTALLATION >

[ROADSTER]

INSTALLATION

Install in the reverse order of removal.

DOOR SWITCH

< REMOVAL AND INSTALLATION >

[ROADSTER]

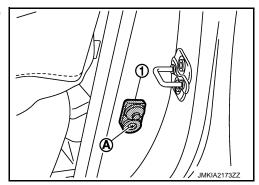
DOOR SWITCH

Removal and Installation

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REMOVAL

1. Remove the door switch mounting screw (A), and then remove door switch (1).



INSTALLATION

Install in the reverse order of removal.

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TRUNK LID OPENER SWITCH ASSEMBLY

< REMOVAL AND INSTALLATION >

[ROADSTER]

TRUNK LID OPENER SWITCH ASSEMBLY

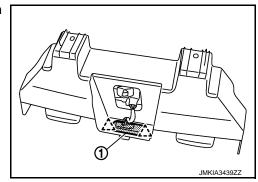
Removal and Installation

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REMOVAL

- 1. Remove the license plate lamp bracket. Refer to EXT-17, "Removal and Installation".
- 2. Remove the trunk lid opener switch assembly (1), and then remove pawls.





INSTALLATION

Install in the reverse order of removal.

TRUNK LID OPENER CANCEL SWITCH

< REMOVAL AND INSTALLATION >

[ROADSTER]

TRUNK LID OPENER CANCEL SWITCH

Removal and Installation

INFOID:0000000005475968

REMOVAL

- 1. Remove the instrument assist lower panel. Refer to IP-13, "Removal and Installation".
- Remove the trunk lid opener cancel switch from instrument assist lower panel, and then remove pawl. Press trunk lid opener cancel switch back side to disengage from instrument assist lower panel.

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INSTALLATION

Install in the reverse order of removal.

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INSIDE KEY ANTENNA INSTRUMENT CENTER

INSTRUMENT CENTER: Removal and Installation

INFOID:0000000005525061

REMOVAL

- 1. Remove the audio unit. Refer to AV-33, "Removal and Installation".
- 2. Remove the inside key antenna mounting screw, and then remove inside key antenna (instrument center).

INSTALLATION

Install in the reverse order of removal.

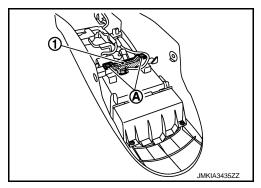
CONSOLE

CONSOLE: Removal and Installation

INFOID:0000000005396283

REMOVAL

- Remove the center console assembly. Refer to <u>IP-24, "Removal and Installation"</u>.
- 2. Remove the inside key antenna mounting screws (A), and then remove inside key antenna (console) (1).



INSTALLATION

Install in the reverse order of removal.

TRUNK ROOM

TRUNK ROOM: Removal and Installation

INFOID:0000000005475970

REMOVAL

- 1. Remove trunk floor carpet and trunk front finisher. Refer to INT-88, "TRUNK FINISHER FRONT: Removal and Installation".
- 2. Remove the inside key antenna mounting clips, and then remove inside key antenna (trunk room).

INSTALLATION

Install in the reverse order of removal.

OUTSIDE KEY ANTENNA

< REMOVAL AND INSTALLATION >

[ROADSTER]

OUTSIDE KEY ANTENNA

LH

LH: Removal and Installation

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REMOVAL

- 1. Remove the guard frame protector front LH. Refer to INT-17, "Removal and Installation".
- Remove the outside key antenna mounting screw, and then remove outside key antenna LH. NOTE:

The same procedure is also performed for RH.

INSTALLATION

Install in the reverse order of removal.

REAR BUMPER

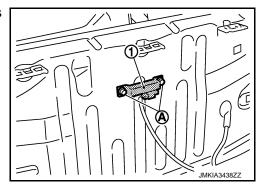
REAR BUMPER: Removal and Installation

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REMOVAL

- 1. Remove the rear bumper. Refer to EXT-17, "Removal and Installation".
- 2. Remove the outside key antenna (rear bumper) mounting clips (A), and then remove outside key antenna (rear bumper) (1).



INSTALLATION

Install in the reverse order of removal.

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INTELLIGENT KEY WARNING BUZZER

< REMOVAL AND INSTALLATION >

[ROADSTER]

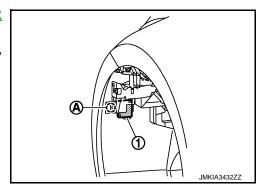
INTELLIGENT KEY WARNING BUZZER

Removal and Installation

INFOID:0000000005396291

REMOVAL

- 1. Remove the fender protector LH. Refer to <u>EXT-25</u>, "FENDER <u>PROTECTOR</u>: Removal and Installation".
- 2. Remove the Intelligent Key warning buzzer mounting bolt (A), and then remove the Intelligent Key warning buzzer (1).



INSTALLATION

Install in the reverse order of removal.

REMOTE KEYLESS ENTRY RECEIVER

< REMOVAL AND INSTALLATION >

[ROADSTER]

REMOTE KEYLESS ENTRY RECEIVER FRONT

FRONT: Removal and Installation

INFOID:0000000005529533

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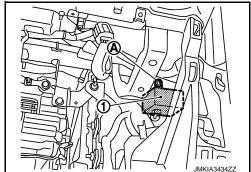
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REMOVAL

- 1. Remove the instrument lower panel RH. Refer to IP-13, "Removal and Installation".
- 2. Remove the remote keyless entry receiver (front) mounting screw (A), and then remove remote keyless entry receiver (front) (1).



INSTALLATION

Install in the reverse order of removal.

REAR

REAR: Removal and Installation

INFOID:0000000005476547

REMOVAL

- 1. Remove trunk floor carpet and trunk front finisher. Refer to INT-88, "TRUNK FINISHER FRONT: Removal and Installation".
- 2. Remove the remote keyless entry receiver (rear) mounting bolt, and then remove remote keyless entry receiver (rear).

INSTALLATION

Install in the reverse order of removal.

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INTELLIGENT KEY BATTERY

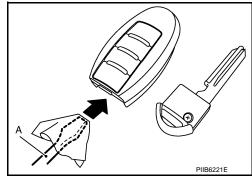
Removal and Installation

Release the lock knob at the back of the Intelligent Key and remove the mechanical key.

Insert a flat-bladed screwdriver (A) wrapped with a cloth into the slit of the corner and twist it to separate the upper part from the lower part.

CAUTION:

- Never touch the circuit board or battery terminal.
- The key fob is water-resistant. However, if it does get wet, immediately wipe it dry.



3. Replace the battery with new one.

Battery replacement

:Coin-type lithium battery (CR2032)

4. Align the tips of the upper and lower parts, and then push them together until it is securely closed.

CAUTION:

- When replacing battery, keep dirt, grease, and other foreign materials off the electrode contact area.
- After replacing the battery, check that all Intelligent Key functions work normally.

