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#### **PRECAUTIONS**

< PRECAUTION > [COUPE]

## **PRECAUTION**

# PRECAUTIONS FOR USA AND CANADA

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

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

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

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

#### WARNING:

Always observe the following items for preventing accidental activation.

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

FOR USA AND CANADA: Precaution for Battery Service

INFOID:0000000006349858

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

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.

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#### **PRECAUTIONS**

[COUPE] < PRECAUTION >

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### FOR MEXICO: Precaution for Battery Service

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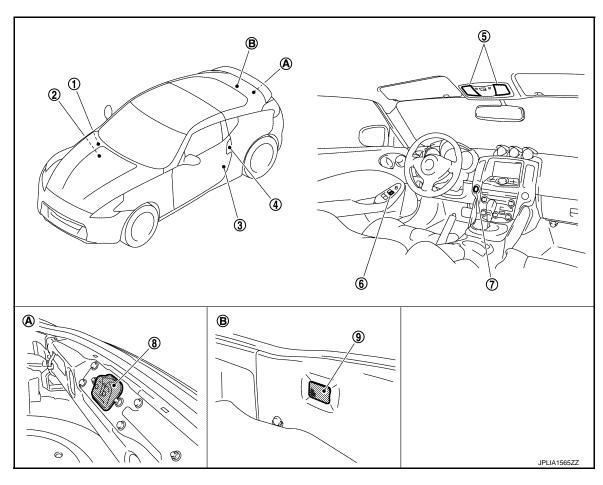
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## SYSTEM DESCRIPTION

# COMPONENT PARTS INTERIOR ROOM LAMP CONTROL SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM: Component Parts Location

INFOID:0000000006349861



- Remote keyless entry receiver Refer to <u>SEC-14</u>, "Component Parts <u>Location"</u>.
- 4. Key cylinder switch
  - · Request switch
- Push-button ignition switch (Push-button ignition switch illumination)
- A. Back door lock assembly
- 2. BCM
  Refer to BCS-9, "Component Parts
  Location".
- 5. Map lamp
- 8. Back door switch

- 3. Door switch
- 6. Door lock and unlock switch
- 9. Luggage room lamp

B. Luggage room

## INTERIOR ROOM LAMP CONTROL SYSTEM: Component Description INFOID:000000000349862

Part	Description		
BCM	<ul> <li>Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.</li> <li>Turns the luggage room lamp ON /OFF according to the luggage room lamp switch status.</li> </ul>		
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.		

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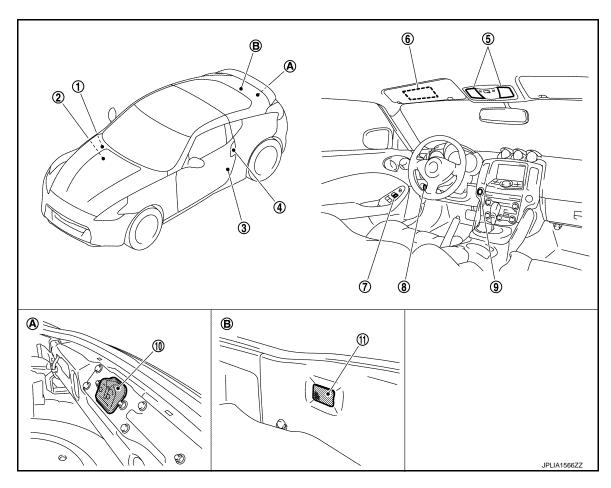
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Part	Description
<ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul>	Transmits a switch signal by power window switch serial link.
Request switch     Door switch	Inputs a switch signal to BCM.

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Parts Location

INFOID:0000000006349863



- Remote keyless entry receiver Refer to <u>DLK-15</u>, "<u>POWER DOOR</u> <u>LOCK SYSTEM</u>: Component Parts Location".
- 4. Key cylinder switch
  - Request switch
- 7. Door lock and unlock switch
- 10. Back door switch
- A. Back door lock assembly

- 2. BCM Refer to BCS-9, "Component Parts Location".
- 5. Map lamp
- 8. Key slot
- 11. Luggage room lamp
- B. Luggage room

- 3. Door switch
- 6. Vanity mirror lamp
- . Push-button ignition switch

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

INFOID:0000000006349864

Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.

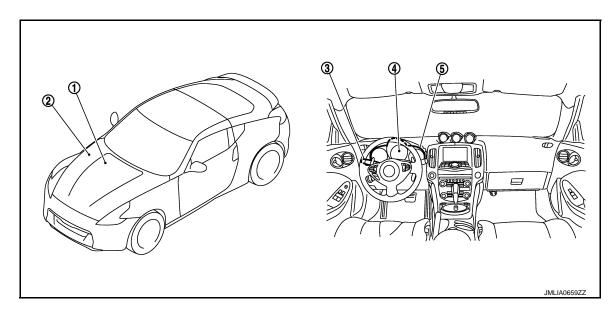
#### < SYSTEM DESCRIPTION >

Part	Description
Door lock and unlock switch     Key cylinder switch	Transmits a switch signal by power window switch serial link.
Request switch     Door switch	Inputs a switch signal to BCM.
Key slot	Inputs the key switch status to BCM.

## **ILLUMINATION CONTROL SYSTEM**

## ILLUMINATION CONTROL SYSTEM: Component Parts Location

INFOID:0000000006349865



- Refer to BCS-9, "Component Parts Location".
- 4. Combination meter
- 2. IPDM E/R Refer to PCS-6, "Component Parts Location".
- 5. Illumination control switch
- 3. Combination switch

## ILLUMINATION CONTROL SYSTEM: Component Description

INFOID:0000000006349866

Part	Description
BCM	<ul> <li>Detects each switch condition by the combination switch reading function.</li> <li>Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).</li> </ul>
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).
Combination meter	<ul> <li>Enters in nighttime mode according to the request from BCM (with CAN communication).</li> <li>Controls the each illumination in the nighttime mode.</li> <li>Refer to MWI-6, "METER SYSTEM: System Description".</li> </ul>
Combination switch (Lighting & turn signal switch)	Refer to BCS-10, "System Diagram".

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#### **SYSTEM**

### INTERIOR ROOM LAMP CONTROL SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM: System Diagram

INFOID:0000000006349867 Remote keyless Door Map lamp entry receiver Interior room lamp ON Lock/unlock signal power supply Luggage room Request switch lamp (ALL) Power window main switch Key cylinder lock/unlock Power window switch switch serial link Key cylinder lock/unlock Door lock/unlock switch signal **BCM** switch Central door lock/unlock switch signal Luggage room lamp control signal Door switch (ALL) Interior room lamp control signal Back door switch Push-button Push-button ignition switch ignition switch illumination power supply illumination Push-button ignition switch illumination ground To combination meter

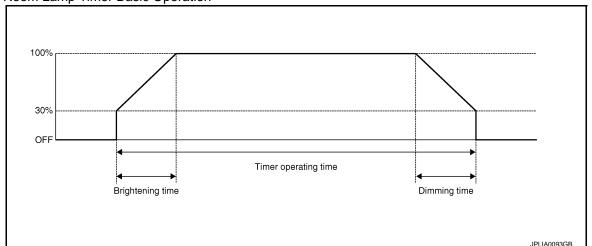
## INTERIOR ROOM LAMP CONTROL SYSTEM: System Description

**OUTLINE** 

- Interior room lamps\* are controlled by interior room lamp timer control function of BCM.
  - \*: Map lamp (when map lamp switch is in DOOR position).
- Luggage room lamp is controlled by luggage room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.

#### INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room timer.
- BCM judges the vehicle condition with the following items. It activates the interior room timer.

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- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)

#### NOTE:

Each function of interior room lamp timer can be set by CONSULT-III. Refer to <u>INL-15</u>, "INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Coupe Models)".

Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens.
- BCM activates the interior room timer in any of the following conditions to turn the interior room lamp ON for a period of time.
- Any door opens before all doors close.
- Ignition switch is turned ON → OFF.
- Any door unlock signal is detected when all doors close with ignition switch OFF.

#### NOTE:

Restart the timer if new condition is input during the timer operating time.

Interior Room Lamp OFF Operation

BCM stops the timer in any of the following conditions to turns the interior room lamp OFF.

- The timer operating time is expired.
- Ignition switch position is other than OFF with all doors close.
- Any door lock operation is detected with all doors close.

#### LUGGAGE ROOM LAMP CONTROL

BCM controls the luggage room lamp (ground-side) to turn ON with the luggage room lamp switch ON.

#### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

- BCM provides the power supply and the ground to turn the push-button ignition switch illumination ON.
- BCM cuts the ground supply while the each illumination (tail lamp) ON. BCM switches to the ground control with the meter illumination control function.

Push-button Ignition Switch Illumination ON Operation

BCM turns the push-button ignition switch illumination ON in the following conditions.

- Ignition switch ON
- Each illumination (tail lamp) ON
- Any of the following conditions with ignition switch OFF
- Engine start permission is entered.
- Intelligent Key inserted into the key slot.
- Driver door is LOCK → UNLOCK.
- Driver door is open.

Push-button Ignition Switch Illumination OFF Operation

BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
- Each illumination (tail lamp) OFF
- The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK.

#### INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

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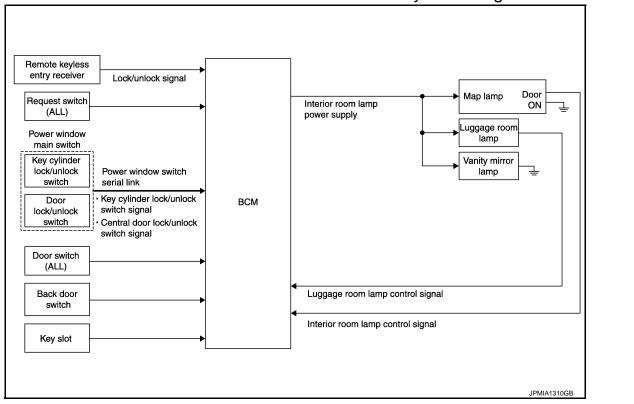
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## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram



### INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description

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#### **OUTLINE**

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the battery from over-discharging if the driver neglect turning OFF the any lamps.

#### Applicable lamps

- Map lamp
- Luggage room lamp
- Vanity mirror lamp

#### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned OFF, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restart the timer when any of the following signals changes while operating the timer.
- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)
- Back door switch signal
- Key switch signal (Key slot)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is other than OFF.

#### NOTE:

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to <a href="INL-16">INL-16</a>, "BATTERY SAVER) (Coupe Models)".

### ILLUMINATION CONTROL SYSTEM

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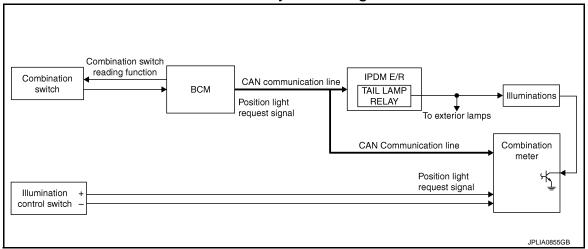
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## ILLUMINATION CONTROL SYSTEM: System Diagram

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## ILLUMINATION CONTROL SYSTEM: System Description

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#### **OUTLINE**

Each illumination lamp is controlled by each function of BCM, IPDM E/R and combination meter.

Control by BCM

- Combination switch reading function
- · Headlamp control function

#### Control by IPDM E/R

Relay control function

Control by combination meter

Meter illumination control function (Refer to <u>MWI-24</u>, "<u>METER ILLUMINATION CONTROL</u>: <u>System Description</u>".)

#### **ILLUMINATION CONTROL**

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

#### Tail lamp ON condition

- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

## **DIAGNOSIS SYSTEM (BCM)**

< SYSTEM DESCRIPTION >

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## **DIAGNOSIS SYSTEM (BCM)**

**COMMON ITEM** 

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

INFOID:0000000006349873

#### 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	<ul><li>Read and save the vehicle specification.</li><li>Write the vehicle specification when replacing BCM.</li></ul>	

#### 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	Cub ayatam adaption 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*			
<ul><li>Intelligent Key system</li><li>Engine start system</li></ul>	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	ВСМ	×		
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.

<sup>\*:</sup> This item is displayed, but is not used.

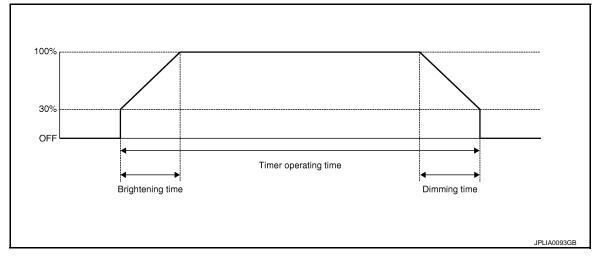
CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected		
	SLEEP>LOCK		While turning BCM status from low power consumption mode to normal 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	<ul> <li>The number of times that ignition switch is turned ON after DTC is detected</li> <li>The number is 0 when a malfunction is detected now.</li> <li>The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch OFF → ON.</li> <li>The number is fixed to 39 until the self-diagnosis results are erased if it is over 39.</li> </ul>		

INT LAMP

## INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Coupe Models)

INFOID:0000000006349874

### **WORK SUPPORT**



Service item	Setting item	Setting	
SET I/L D-UNLCK INTCON	ON*	With the interior room lamp timer function	
SET I/L D-UNLER INTOON	OFF	Without the interior room lamp timer function	
	MODE 2	7.5 sec.	
ROOM LAMP TIMER SET	MODE 3*	15 sec.	Sets the interior room lamp ON time. (Timer operating time)
	MODE 4	30 sec.	
	MODE 1	0.5 sec.	
	MODE 2*	1 sec.	
ROOM LAMP ON TIME SET	MODE 3	2 sec.	Sets the interior room lamp gradual brightening time.
	MODE 4	3 sec.	
	MODE 5	0 sec.	
	MODE 1	0.5 sec.	
	MODE 2	1 sec.	
ROOM LAMP OFF TIME SET	MODE 3	2 sec.	Sets the interior room lamp gradual dimming time.
	MODE 4*	3 sec.	
	MODE 5	0 sec.	
	MODE 1*	Interior room lamp timer activates with synchronizing all doors.	
R LAMP TIMER LOGIC SET MODE 2		Interior ro only.	om lamp timer activates with synchronizing the driver door

<sup>\*:</sup> Factory setting

#### **DATA MONITOR**

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.

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Monitor item [Unit]	Description
PUSH SW [On/Off]	The switch status input from push-button ignition switch
ACC RLY-F/B [On/Off]	NOTE: The item is indicated, but not monitored.
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
KEY SW-SLOT [On/Off]	Key switch status input from key slot
DOOR SW-DR [On/Off]	The switch status input from driver side door switch
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch
DOOR SW-RR [On/Off]	NOTE:
DOOR SW-RL [On/Off]	The item is indicated, but not monitored.
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from the door lock and unlock switch
CDL UNLOCK SW [On/Off]	Unlock switch status received from the door lock and unlock switch
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

#### **ACTIVE TEST**

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal to turn map lamp ON (Map lamp switch is in DOOR position).
	Off	Stops the interior room lamp control signal to turn map lamp OFF.
STEP LAMP TEST	On	NOTE:
STEF LAWF TEST	Off	The item is displayed, but cannot be tested.
LUGGAGE LAMP TEST	On	Outputs the luggage room lamp control signal to turn the luggage room lamp ON.
LUGGAGE LAWP TEST	Off	Stops the luggage room lamp control signal to turn the luggage room lamp OFF.

## **BATTERY SAVER**

BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Coupe Models)

**WORK SUPPORT** 

## **DIAGNOSIS SYSTEM (BCM)**

## < SYSTEM DESCRIPTION >

[COUPE]

Service item	Setting item		Setting
BATTERY SAVER SET	On*	With the e	exterior lamp battery saver function
DATTERT SAVER SET	Off	Without th	ne exterior lamp battery saver function
ROOM LAMP BAT SAV SET	On*	With the in	nterior room lamp battery saver function
ROOM LAWF BAT SAV SET	Off	Without th	ne interior room lamp battery saver function
	MODE 1	30 min.	
ROOM LAMP TIMER SET	MODE 2	60 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 3*	15 min.	

<sup>\*:</sup> Factory setting

## **DATA MONITOR**

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.
PUSH SW [On/Off]	The switch status input from push-button ignition switch
ACC RLY-F/B [On/Off]	NOTE: The item is indicated, but not monitored.
KEY SW-SLOT [On/Off]	Key switch status input from key slot
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
DOOR SW-DR [On/Off]	The switch status input driver side front door switch
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch
DOOR SW-RR [On/Off]	NOTE:
DOOR SW-RL [On/Off]	The item is indicated, but not monitored.
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from the door lock and unlock switch
CDL UNLOCK SW [On/Off]	Unlock switch status received from the door lock and unlock switch
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.

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## **DIAGNOSIS SYSTEM (BCM)**

## < SYSTEM DESCRIPTION >

[COUPE]

Monitor item [Unit]	Description
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

#### **ACTIVE TEST**

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply to turn interior room lamp OFF.
DATTERT SAVER	On	Outputs the interior room lamp power supply to turn interior room lamp ON.*

<sup>\*:</sup> Each lamp switch is in ON position.

## **BCM, COMBINATION METER**

< ECU DIAGNOSIS INFORMATION >

[COUPE]

INFOID:0000000006349876

## **ECU DIAGNOSIS INFORMATION**

## BCM, COMBINATION METER

List of ECU Reference

ECU	Reference	
	BCS-51, "Reference Value"	
DOM	BCS-82, "Fail-safe"	
BCM	BCS-84, "DTC Inspection Priority Chart"	D
	BCS-85, "DTC Index"	
	MWI-57, "Reference Value"	_
COMBINATION METER	MWI-76, "Fail-Safe"	
	MWI-77, "DTC Index"	

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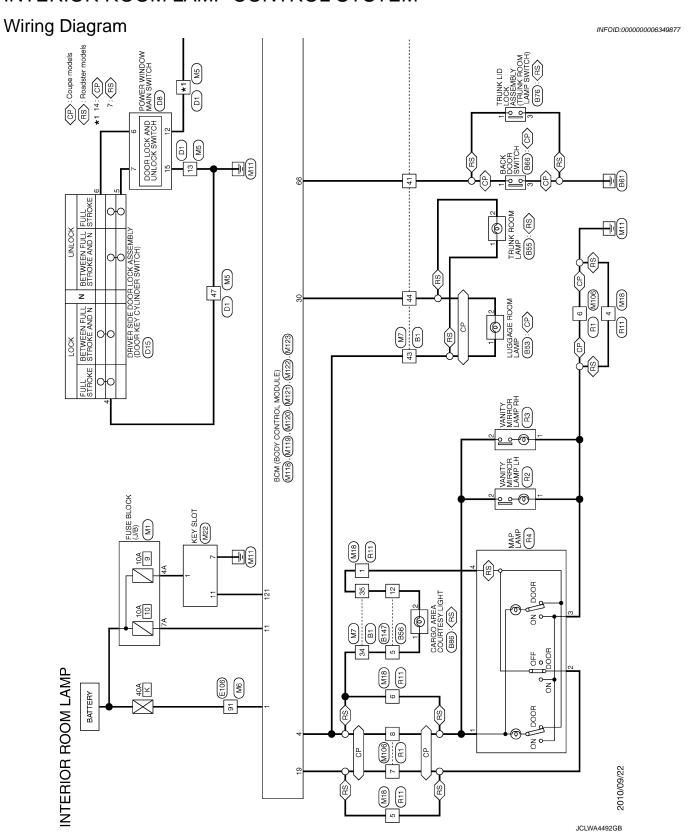
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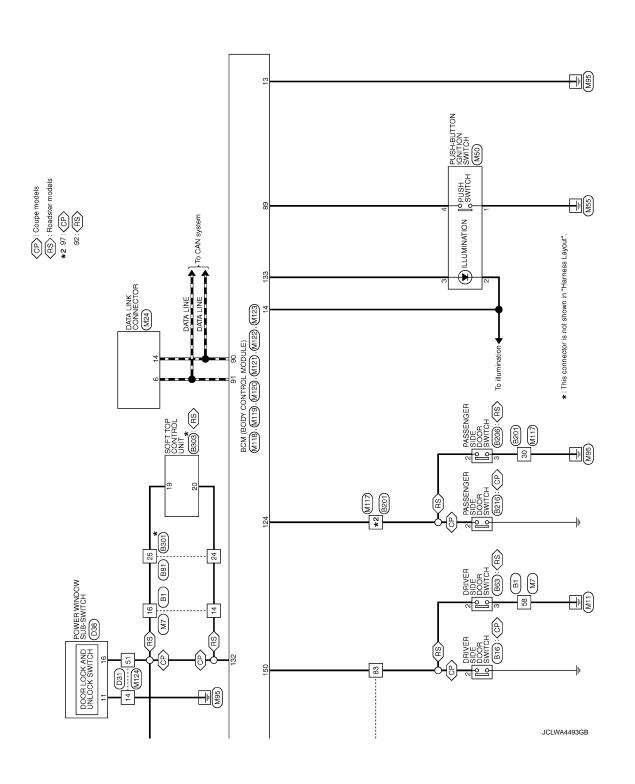
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## WIRING DIAGRAM

## INTERIOR ROOM LAMP CONTROL SYSTEM





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< WIRING DIAGRAM > [COUPE]

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< WIRING DIAGRAM > [COUPE]

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< WIRING DIAGRAM > [COUPE]

INTERIOR ROOM LAMP   Connector No.   D31   Connector No.   O7   Connector Type   TH40FW-CS15	11   B	45 BG	Connector No.   Mis   Connector Name   WIRE TO WIRE
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< WIRING DIAGRAM > [COUPE]

INTERIOR ROOM LAMP					
Connector No. M22	Connector No. M50	Connector No. M117		T 69	1
Connector Name KEY SLOT	Connector Name PUSH-BUTTON IGNITION SWITCH	Connector Name WIRE TO WIRE		+	ı
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				╀	
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123 56	۷	8 8 150 May 15	is 8	+	
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				83 B	1
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				+	
Terminal Color Signal Name [Specification]	Terminal Color Signal Name [Specification]	Terminal Color Signal Name [Specification]	Specification	П	1
of Wire	of Wire	of Wire		86 SHIELD	1
T BAT	- C		Couns models	Γ	1
	- «	5.	Telepooli, and the second	╀	
2 GR CLUCK		4	[Koadster models]	4	1
	3 6		models]	В В	- [Coupe models]
	4 BB	3 B = [Boadster models]	ar modele]	> 68	- [Boadster models]
. (		3	Telepoor in	- 11	Telepool Incorporal
	- GK	4		7	1
	- × 9	7 LG - [Coupe models]	models]	92 G	- [Coupe models]
11 R KEY SWITCH SIGNAL	- ^ _	7 Y - [Roadster models]	er models]	92 LG	- [Roadster models]
	a.	<u></u>		H	- [Coupe models]
	$\frac{1}{1}$	ł		ł	- [December of the
		- 1		Ť	[SIANOIII JANSNROVI] _
Connector No. MZ4	ſ	¥		٦	- [Coupe models]
Connector Name   DATA   INK CONNECTOR	Connector No. M106				<ul> <li>[Roadster models]</li> </ul>
	LOWER OF LOWER	21 R		95 SB	- [Coupe models]
Connector Type BD16FW		œ		95	- [Roadster models]
	Coppector Type THISMM-NH	ł		ł	= Course modele
4				+	[sianoii adnoo]
ANT	Œ	<u> </u>		٠ . ۱۶	- [Koadster models]
	Akkin	- G		4	- [Coupe models]
14 16	<u> </u>			98 Y/B	- [Roadster models]
		H		┞	1
3 4 5 6 7 8	12345678	200			
	0, 0,	+		+	Conbe models]
	9 10 11 12 13 14 15 16		-	100 Y	- [Roadster models]
		- S3 SHIELD			
Color		۲			
Na of William Signal Name [Specification]	-	2			
	Signal Name [Specification]	>			
3 LG - [Coupe models]	ot Wire	SHIELD			
3 Y - [Roadster models]	4 W =	]_	Coupe models]		
4 B -	5 R	57 P - [Roadster models	er models]		
- 82	- 8	œ	models		
ł	ł	-	ar modele]		
۵ با	- a	J (	50000		
+	r	+			
- 9		– M 09			
11 Y - [Coupe models]		- GR			
11   G = [Boadstar models]		- В			
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< WIRING DIAGRAM > [COUPE]

INTERIOR ROOM LAMP									
Connector No. M118	Connector No.	M120	Connector No.	П	M122	Con	Connector No.	M123	
Connector Name BCM (BODY CONTROL MODULE)	Connector Name	BCM (BODY CONTROL MODULE)	Connector Name		BCM (BODY CONTROL MODULE)	Con	Connector Name	BCM (BODY CONTROL MODULE)	
Connector Type M03FB-LC	Connector Type	NS12FW-CS	Connector Type	П	TH40FB-NH	Con	Connector Type	TH40FG-NH	
<b>E</b>	·		E E			(F	8		
1 3	2	20 21 [ 22 23 24		200000		•	2	A local loca	
		25 26 27 28 29 30 31		111 110 108 108 1	1 000 000 000 000 000 000 000 000 000 0		151 150 14		
Terminal Color Signal Name [Specification]	Terminal Color	or Signal Name [Specification]	Terminal	Color of Wire	Signal Name [Specification]	Herr	Ferminal Color	Signal Name [Specification]	
۲	t	TURN SIGNAL RH (REAR)	72	-	ROOM ANT 2-	<u> </u>	۲	OPTICAL SENSOR	
POWER WINDO	23 L	BACK DOOR OPEN OUTPUT [Coupe models]	73	۵	ROOM ANT 2+	_	114 R	CLUTCH INTERLOCK SW	
3 Y POWER WINDOW POWER SUPPLY (IGN)	23 Y	TRUNK LID OPEN OUTPUT [Roadster models]	74	SB	PASSENGER DOOR ANT-	_	115 0	SHOCK SENSOR	
	24 0		75	BR	PASSENGER DOOR ANT+		116 SB	STOP LAMP SW 1	
	25 LG	4	92	>	DRIVER DOOR ANT-	-	118 P	4	
Connector No. M119	30 R	LUGGAGE ROOM LAMP OUTPUT	7.7	P	DRIVER DOOR ANT+		119 SB	DR DO	
Connector Name BCM (BODY CONTROL MODILLE)			78	-	ROOM ANT 1-	121	2	KEY SLOT SW	
			79	œ	ROOM ANT 1+	=	123 W	IGN F/B	
Connector Type NS16FW-CS	Connector No.	M121	80	GR	NATS ANT AMP.	=	124 LG	PASSENGER DOOR SW	
á	Connector Name	BCM (BODY CONTROL MODILLE)	81	W	NATS ANT AMP.		129 0	TRUNK LID OPENER CANCEL SW	
	Ooillectol Mali		82	æ	IGN RELAY (F/B) CONT	=	130 L	REAR DEFOGGER SW	
Si H	Connector Type	TH40FGY-NH	83	GR	KYLS ENT RECEIVER (FRONT) COMM	ä	132 V	P/W SW & SOFT TOP C/U COMM [Roadster models]	
4 5 6 7 0 8 9 10	ą		87	BR	COMBI SW INPUT 5	=	132 Y	POWER WINDOW SW COMM [Coupe models]	
11 12 13 14 15 16 17 18 19	唐		88	^	COMBI SW INPUT 3	=	133 G	PUSH BUTTON IGNITION SW ILL POWER	
21 21 21	Si T		88	BR	PUSH SW	=	134 GR	LOCK IND	
		7	06	Ь	CAN-L	=	137 P	RECEIVER/SENSOR GND	
	21 20	49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32	16	1	CAN-H	-	138 V	RECEIVER / SENSOR POWER SUPPLY	
lal	0.00	03 [60 [61 [62 [62 [63 [63 [63 [63 [63 [63 [63 [63 [63 [63	92	57	KEY SLOT ILL	÷	139 L	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM	
No. of Wire			93	۸	ONI NO	-	140 G	P/N POSITION SW [With M/T]	
4 R INTERIOR ROOM LAMP POWER SUPPLY			92	0	ACC RELAY CONT	Ì	140 G	SHIFT N/P [With A/T]	
5 G SUPER LOCK OUTPUT	lal	or Simpl Name [Specification]	96	Υ	A/T SHIFT SELECTOR POWER SUPPLY	141	١.	SECURITY INDICATOR	
8 V ALL DOOR, FUEL LID LOCK OUTPUT	No. of Wire		97	7	S/L CONDITION 1	÷	142 0	COMBI SW OUTPUT 5	
DRIVER DOOR,	4		86	Ь	S/L CONDITION 2	÷	143 P	COMBI SW OUTPUT 1	
11 BR BAT (FUSE)	35 R	<u> </u>	66	ď	CLUTCH PEDAL POS SW [With M/T]	÷	144 G	COMBI SW OUTPUT 2	
Н	38 B		66	۳	SHIFT P [With A/T]	Ť	145 L		
14 R PUSH-BUTTON IGNITION SWILL POWER	39 W		100	GR	PASSENGER DOOR REQUEST SW	Ť	Н	COMBI SW OUTPUT 4	
15 Y ACC IND	47 V	IGN RELAY (IPDM E/R) CONT	101	>	DRIVER DOOR REQUEST SW	-	150 GR	DRIVER DOOR SW	
17 W TURN SIGNAL RH (FRONT, SIDE)	52 SB	STARTER RELAY CONT	102	0	BLOWER FAN MOTOR RELAY CONT	151	1 C	REAR WINDOW DEFOGGER RELAY CONT	
18 O TURN SIGNAL LH (FRONT, SIDE)	61 W	П	103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY				
19 P ROOM LAMP TIMER CONTROL	61 W	TRU	901	*	S/L UNIT POWER SUPPLY				
	64 G	_	107	ΓG	COMBI SW INPUT 1				
	99 R	┪	108	œ	COMBI SW INPUT 4				
	+	+	109	>	COMBI SW INPUT 2				
	+	+	110	۵	HAZARD SW				
	67 GR	TRUNK LID OPENER SW [Roadster models]	111	>	S/L UNIT COMM				

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< WIRING DIAGRAM > [COUPE]

Connector No. R4 Connector Name MAP LAMP Connector Type TK06FCV  A.S.	Terminal Golor   Signal Name [Specification]   1   1   N   N   N   N   N   N   N   N	Terminal   Color   Signal Name [Specification]   Color   Col
13   G	Terminal   Color   C	Terminal Color Signal Name [Specification] No. of Wire Signal Name [Specification] 1 B
INTERIOR ROOM LAMP   Connector Name   MI24	Terminal Color No. of Wire No. of Wire 10 C C 11 C C 11 V C 12 V C 13 V C 15 V C 16 V C 17 V C 18 V C 19 V C 19 V C 19 V C 10 V	HS   THIEFW-NH
INTE Connect Connect Connect	Terminal No. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Terminal No. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12

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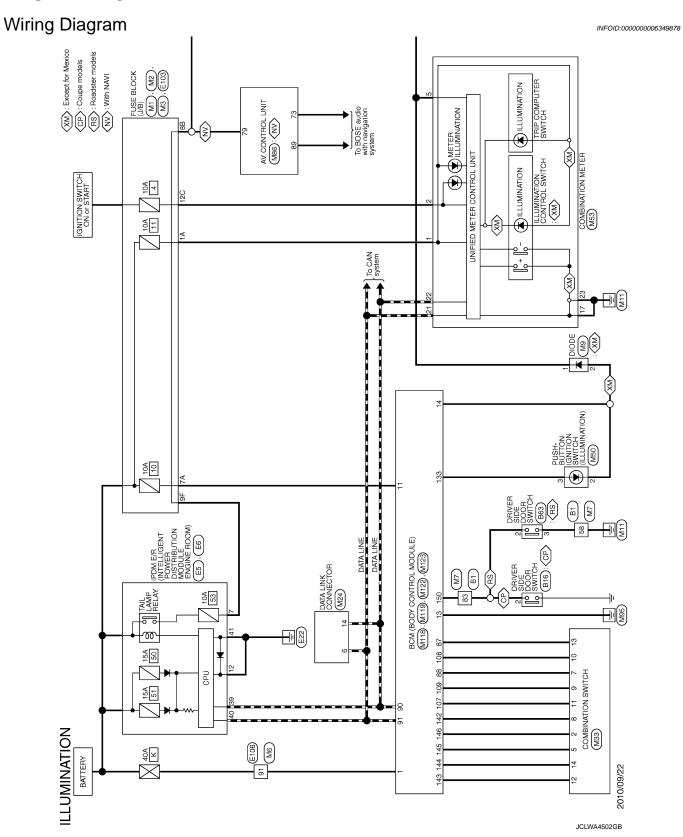
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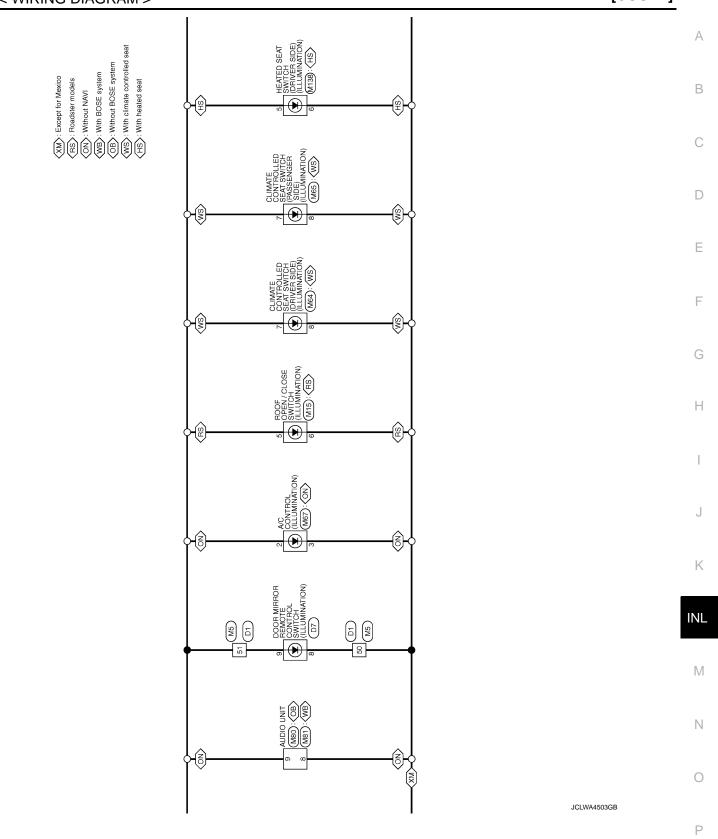
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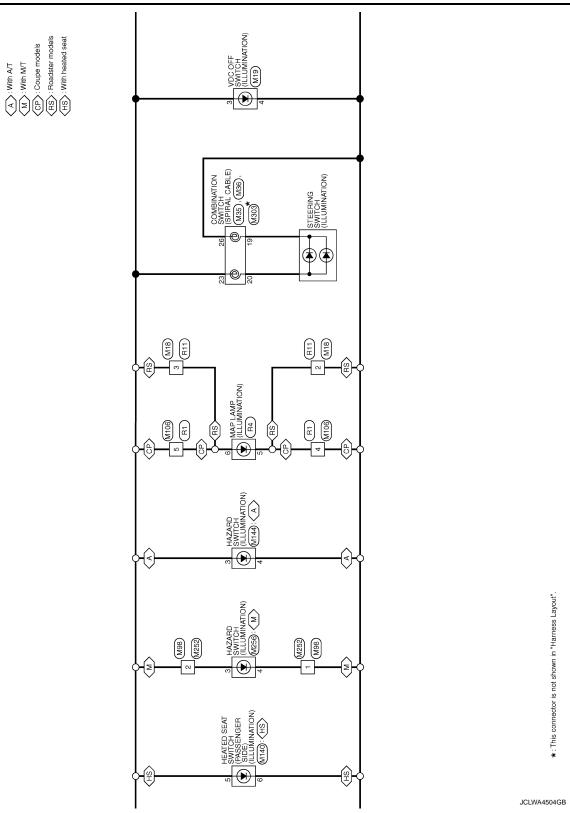
< WIRING DIAGRAM > [COUPE]

## **ILLUMINATION**





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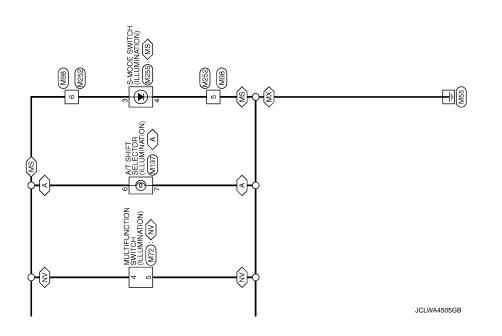
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< WIRING DIAGRAM > [COUPE]

ILLU	ILLUMINATION	NOIL								
Connector No.		BI	45	┪			10	BG	1	
Connector Name		WIRE TO WIRE	46	S	- [Coupe models] Connector Name	DRIVER SIDE DOOR SWITCH	= ;	a :	- [With BOSE system]	
	╅	4 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	46	88 :	T		= \$	> .	- [Without BOSE system]	
Connecto	٦.	1H80FW-CS16-1M4	4 4	7	1 1	M.	12	_ 0	1 1	
Œ			7 2	T			2 2	s 9	- [Couna modele]	
		10 10 10 10 10 10 10 10 10 10 10 10 10 1	ŝ	+		<u>C</u>	7 7	3 >	- [Boadeter modele]	
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			62	φ		]	47	8	1	
Terminal	Color		<u>ن</u>	t			48	87	1	
No.	of Wire	Signal Name [Specification]	6	╀	- No.	Signal Name [Specification]	49	*	1	
-	g	ı	ő	5 SHIELD		1	20	PC	ı	_
2	BG	-	99	д 9			21	ч	-	_
3	٨	-	9	7 L			25	>	1	
4	М	1	ğ	8 SHIELD	Connector No. B63		53	BG	1	_
9	>	ı	9	6	Г		54	æ	1	_
7	2	1	70	┞	Connector Name DRIVE	DRIVER SIDE DOOR SWITCH	22	ŋ	1	
80	S.		_	╀	Connector Type A03FW	M				
6	SB	1	ļ^	╀						
Ξ	>	1	1	F			Connector No.	or No.		_
12	M	1	74	╀	1	$\overline{\Diamond}$		Т		
1 2	: 2		<u> </u>	, a		<u> </u>	Connect	Connector Name DO	DOOR MIRROR REMOTE CONTROL SWITCH	
4	<u>_</u>	1	2 8	╀		Ī	Connect	Connector Type TK	TK16FW	
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92			8	╀	Т		-	ď		
27	Α		94	╀	Connector Name	WIRE TO WIRE	_	>	1	
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33	. *	- [Roadster models]	ř	H		15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	13	æ		
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32	*	- [Coupe models]	66	╀			12	BG	1	
32	_	- [Roadster models]	100	╀			16	BB	1	_
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40	>	1			Terminal Color					
14	_	-			_	Signal Name [Specification]				
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43	HB	1			> 8	ı				
4	œ	-			H	ı				
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< WIRING DIAGRAM > [COUPE]

	JMINA	ILLUMINATION							
Conne	Connector No.	E5	44 W		ī	15	Ь	1	Connector No. M1
Connec	Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE	4		1	16	Μ	1	Connector Name FUSE BLOCK (J/B)
	Constant Time	Т	46 V			71	SB	1	Т
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4			On softon	100		7 5	ř,	[Sonne mones]	
			OOIIIGCCOL NO.	Т		7 5	<sup>5</sup> -	[Koadster models]	
į.	L	To a section of the s	Connector Name	FUSE BLOCK (J/B)		5 8	۰ >		34
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			ا ا		Ш	36	>	1	
Terminal	Color	Complete Constitution		7F 6F 5F 4F	3F 2F 1F	37	<b>*</b>		Terminal Color Simol Name [Secontinual
No.				41 46 48 48 49 49	10F QF	38	ч		
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9	æ					14	ΓC	ı	L
7	ď	- [Coupe models]	Terminal Color		3	42	SB	ı	a
7	>	- [Boadster models]	_		Signal Name [Specification]	43	╀	1	
	. a		t			4	, 9	T/M diffu alabam variabases for formal	1 >
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7 5	+	1	+			‡ ;	+	- [Roadster models with IW/ I]	- HO H/
2 5	+		- L			ç.	+	1	2A L
٩	4		10 BG			40	۸	I	
19	4	1	4		1	47	۵		ſ
25	g		4	- [Cor	[Coupe models]	58	SHIELD	1	Connector No. M2
27	Υ	-	9F ^	- [Roac	- [Roadster models]	29	٦	-	Compaton Name Clist Di OCK (1/B)
28	_	1				70	Ь	1	
30	GR.	1				80	*	1	Connector Type NS10FW-CS
8	╀	1	Connector No	F106		ā	۵	1	]     
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8	+		Connector Name	WIRE TO WIRE		70	5 2		
QS QS	5	1	F	THE OWNER WITHOUT		3 3	> .	1	2
			Connector Type	I H80FW-CS16-1M4		84	1	I	48 38 78 18
			ą			82	BG	T	11R 9R 8R 7R 6R 5R
Conne	Connector No.	E6	彦			98	ΓG	-	
_		IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE	<u>.</u>	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		87	ч	1	
Conne	Connector Name				7 2	88	۵	1	
Connec	Connector Type	TH08FW-NH		(12) (12) (13) (13) (13) (13) (13) (13) (13) (13	0 0	5	3	1	Color
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李					7	93	9	1	4
S	72	<u>K</u>				94	>	1	4B G –
	1	-	Terminal Color			96	<b>&gt;</b>	1	
		42 41 40 39			Signal Name [Specification]	10	a		>
		145 44	t			6	á		- (
		40 42 44 43	-		1	86	HS.	1	- X
			3 L		1	66	FG	1	
			4		1	100	BG	1	
Tarmir			H		1				
2	of Wire	Signal Name [Specification]							
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Connector No.	r No. M3	51	œ	Í	46	ŋ	Ĭ.	_
Connector Name	r Name FUSE BLOCK (J/B)	52	<b>-</b> 3	Í	47	BR	í	_
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Colliecto	Type Insizew cs	55 9	5 00	1 1	g 2	۵ ا	1 1	_
E		3			80	. P	i	_
Š					-8	GR	1	_
	5C/4C 13C/2C/1C	Connector No.	П	M6	82	>	1	
	120 110 100 9C 8C 7C 6C	Connector Name		WIRE TO WIRE	83	> .	Г	_
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Terminal	Color	修			87	. 5	i	_
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Connector Name	r Name WIRE TO WIRE	7	В	-				
Connector Type	r Type TH40MW-CS15	8	Ь	1				
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Terminal	Color Signal Name [Specification]	50	g,	Í				
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# **ILLUMINATION**

[COUPE] < WIRING DIAGRAM >

	А
Signal Name [Specification]	В
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Terminal   Color   No.   of Wire   1   B   2   2   W   2   2   W   4   4   4   4   5   5   5   5   5   5	D
H. H. Leation]	Е
Signal Name [Specification]   Sign	F
Name	G
Commetto  Terminal  No.  Commetto  Commetto  Terminal  No.  Commetto  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  No.  Terminal  Terminal  No.  Terminal  N	Н
- [Roadster models]	I
	J
46 46 47 48 48 49 49 49 49 49 49 49 49 49 49 49 49 49	K
	INL
Signal Name (Specification) Signal Name (Specification)	M
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< WIRING DIAGRAM > [COUPE]

ILLUMINATION Connector No. M24 Connector Name DATA LINK CONNECTOR Connector Type BD16FW	14 G OUTPUT 2	Connector No. Miso Connector Name PUSH-BUTTON IGNITION SWITCH Connector Type TYGSFBR	19   G   A/C AUTO AMP CONNECTION RECOGNITION SIGNAL   20   GR   AMBIENT SENSOR GROUND   21   L   CAN-L   CAN	
1 ⊩	nector Name	1	Y FUEL LEVEL	
	H.S.	4 5 6 7 8	Connector No. M64 Cornector Name CLAMTE OWINGLED SEAT SWITCH URINER SIDE CONNECTED SEAT SWITCH URINER TO THE CHAIN	
Ferminal   Color   Signal Name [Specification]   No. of Wire   Co	28 29 30	Terminal Color Signal Name [Specification]	1	,
1] - A B B B B B B B B B B B B B B B B B B	Terminal   Color   Signal Name [Specification]   No. of Wire   Signal Name [Specification]   23 W	$\overline{H}$	1 = 2 3 4 5 6 7 8	
7 Y	- Y 62			
8 G – Coupe models]	30 Y = -	> C	Terminal Color Signal Name [Specification] No. of Wire	
- [1	Commonden No.		0 0	
L >-	т	Connector No. M53		_
	Connector Name COMBINATION SWITCH (SPIRAL CABLE)	۰	4 BR	
Connector No. M33	7	Connector Type TH24FW-NH	Н	_
Connector Name COMBINATION SWITCH	(April)		C α	
Connector Type TH16FW-NH	24 25 26	S	-	_
\$1	83	1 2 3 4 5 6 8 9 10 1112 15 16 17 18 19 20 21 22 23 24		
3 4 4	la	Ŀ		
7 8 91011121314	No. of Wire	Terminal Golor Signal Name [Specification] No. of Wire		
-	SB			
erminal   Color   Signal Name [Specification]   No.   of Wire	20 W = -	3 L VEHICLE SPEED SIGNAL (2-PULSE)		
1 P FRWASHER (-)	32 Y = -	4 Y VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico]		
	╀	- m		
6 B GND		6 R RODE STATUS SIGNAL		
		╁		
> 6		Б		
LG LG INPUT 1		16 R AIR BAG SIGNAL		
Ь		В		
		18 V AMBIENT SENSOR SIGNAL		

JCLWA4510GB

[COUPE] < WIRING DIAGRAM >

67 L COMPOSITE MAGE GND 71 SHELD MIGROPHONE GND 72 RR MIGROPHONE VCC 73 COMM (CONT-DISP) 74 L CAN-L [Couper models] 75 Y AV COMM (L) [Roadster models] 76 Y AV COMM (L) [Roadster models] 77 AV COMM (L) [Roadster models] 78 L AV COMM (L) [Roadster models] 79 Y AV COMM (L) [Roadster models] 70 Y AV COMM (L) [Roadster models] 71 AV COMM (L) [Roadster models] 72 Y AV COMM (L) [Roadster models] 73 Y AV COMM (L) [Roadster models] 74 AV COMM (L) [Roadster models] 75 Y AV COMM (L) [Roadster models] 76 Y AV COMM (L) [Roadster models]	10	
Connector No. M81  Connector Type THISPW-CS2  A.S. 12 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color	
Connector No. M72  Connector Name MULTIFUNCTION SWITCH  Connector Type TH16FW-NH  H.S.   1   3   5   9   14	Color   Signal Name [Specification]   No.   GWD   GND	
ILLUMINATION Commetter No. M65 Connector Name CLANTE CONTROLLED SEAT SMITTCH PASSENCER SIZE CONTROLLOR Type TKG8FBR  H.S. TKG8FBR  1	Terminal   Color   Signal Name [Specification]     1   SB	JCLWA4511GB

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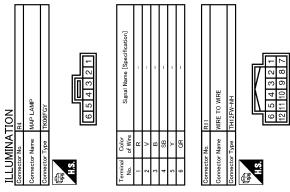
< WIRING DIAGRAM > [COUPE]

ILLUMIN	LUMINATION		Sopposition No.	ON ON		£	9	KVI S ENT BECEIVED (EDONT) COMM	130	>	DOWED WINDOW SW COMM [Canage models]
	Т			Т		87	HB	COMBI SW INPUT 5	133	g	PUSH BUTTON IGNITION SW ILL POWER
Connector Name	ame WIKE 10 WIKE	5	Connector Name		BCM (BODY CONTROL MODULE)	88	>	COMBI SW INPUT 3	134	Ľ	LOCK IND
Connector Type	/pe TH16MW-NH	Ço	Connector Type	П	NS16FW-CS	89	BR	PUSH SW	137	а	RECEIVER/SENSOR GND
ą						06	Ь	CAN-L	138	۸	RECEIVER / SENSOR POWER SUPPLY
唐		<b></b>				16	٦,	CAN-H	139	٦	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM
HS			S.	ŀ		92	ΓG	KEY SLOT ILL	140	9	P/N POSITION SW [With M/T]
	1 2 2 4 5 6 7 0	]		4	6 7 8 9 10	93	>	ON IND	140	9	SHIFT N/P [With A/T]
	o (			11 12	13 14 15 16 17 18 19	92	0	ACC RELAY CONT	141	>	SECURITY INDICATOR
	9 10 11 12 13 14 15 16					96	>	A/T SHIFT SELECTOR POWER SUPPLY	142	4	COMBI SW OUTPUT 5
						97	-	S/L CONDITION 1	143	۵	COMBI SW OUTPUT 1
ı		[	Ì			86	۵	S/L CONDITION 2	144	G	COMBI SW OUTPUT 2
e	Color Signal Name [Specification]		lal	Color	Signal Name [Specification]	66	~	CLUTCH PEDAL POS SW [With M/T]	145	4	COMBI SW OUTPUT 3
No.	re	1	O	ē.		66	~	SHIFT P [With A/T]	146	4	COMBI SW OUTPUT 4
4		 	4	Z Z	INTERIOR ROOM LAMP POWER SUPPLY	100	g	PASSENGER DOOR REQUEST SW	120	뚕	DRIVER DOOR SW
+		1	2	+	SUPER LOCK OUTPUT	101	>	DRIVER DOOR REQUEST SW	151	G	REAR WINDOW DEFOGGER RELAY CONT
:o r	m (	<u> </u>		T	ALL BOOK, FUEL LIB LOCK SUIPUT	705	+	BLOWER FAN MOTOR RELAY CONT			
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le le	Color Sizzel Name [Szzzetizzel		Ferminal	Color	Company Company	No.	of Wire	olgnai Ivame Lopecinication.	8	۵	-
No. of	of Wire   Signal Name   Specimeation		No.	of Wire	Signal Name [Specification]	113	0	OPTICAL SENSOR	6	<b>&gt;</b>	1
-	W BAT (F/L)		72	7	ROOM ANT 2-	114	œ	CLUTCH INTERLOCK SW	10	٣	-
2	W POWER WINDOW POWER SUPPLY (BAT)		73	Ь	ROOM ANT 2+	115	0	SHOCK SENSOR			
3	Y POWER WINDOW POWER SUPPLY (IGN)	_	74	SB	PASSENGER DOOR ANT-	116	SB	STOP LAMP SW 1			
			75	æ	PASSENGER DOOR ANT+	118	۵	STOP LAMP SW 2			
			9/	>	DRIVER DOOR ANT-	119	SB	DR DOOR UNLOCK SENSOR			
			77	rc	DRIVER DOOR ANT+	121	~	KEY SLOT SW			
			78	_	ROOM ANT 1-	123	>	IGN F/B			
			79	œ	ROOM ANT 1+	124	<sub>S</sub>	PASSENGER DOOR SW			
		1	œ ;	an ii	NATS ANT AMP.	129	0	TRUNK LID OPENER CANCEL SW			
			- B	*	NATS ANT AMP.	130	7	REAR DEFOGGER SW			
		J	82	œ	IGN RELAY (F/B) CONT	132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]			

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Signal Name [Specification]	В	
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Signal Name [Specification]	-	-	_	-		_	=	_	_	_	_	_
Color of Wire	SB	В	В	В	۸	В	SHIELD	В	9	В	9	Υ
Terminal No.	1	2	3	4	2	9	7	8	6	10	11	12

JCLWA4514GB

[COUPE] < BASIC INSPECTION >

# **BASIC INSPECTION**

# DIAGNOSIS AND REPAIR WORKFLOW

Work Flow INFOID:0000000006349879 В

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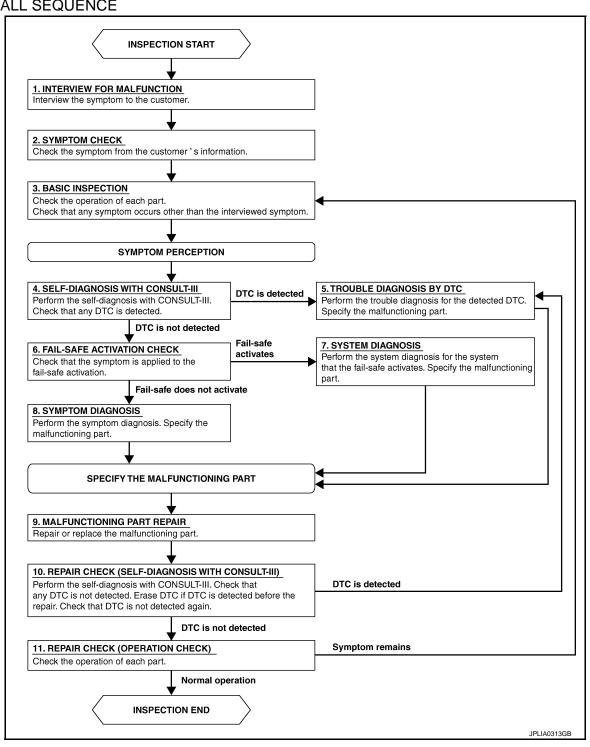
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#### **OVERALL SEQUENCE**



#### **DETAILED FLOW**

# 1.INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

#### **DIAGNOSIS AND REPAIR WORKFLOW**

< BASIC INSPECTION > [COUPE]

>> GO TO 2.

# 2.SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

# 3.BASIC INSPECTION

Check the operation of each part. Check that any symptom occurs other than the interviewed symptom.

>> GO TO 4.

### 4. SELF-DIAGNOSIS WITH CONSULT-III

Perform the self-diagnosis with CONSULT-III. Check that any DTC is detected.

#### Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 6.

### 5. TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9.

#### 6. FAIL-SAFE ACTIVATION CHECK

Check that the symptom is applied to the fail-safe activation.

#### Does the fail-safe activate?

YES >> GO TO 7.

NO >> GO TO 8.

#### 7. SYSTEM DIAGNOSIS

Perform the system diagnosis for the system that the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9.

# 8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

# 9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

# 10. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

Perform the self-diagnosis with CONSULT-III. Check that any DTC is not detected. Erase DTC if DTC is detected before the repair. Check that DTC is not detected again.

#### Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 11.

# 11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

#### Does it operate normally?

YES >> INSPECTION END

NO >> GO TO 3.

#### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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# DTC/CIRCUIT DIAGNOSIS

### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description INFOID:000000006349880

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver activating.

# Component Function Check

### INFOID:000000006349881

# 1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

#### CONSULT-III ACTIVE TEST

- 1. Turn the ignition switch ON.
- 2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Luggage room lamp
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- With operating the test items, check that each interior room lamp turns ON/OFF.

Off : Interior room lamp OFF
On : Interior room lamp ON

#### Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.

NO >> Refer to <a href="INL-45">INL-45</a>, "Diagnosis Procedure".

# Diagnosis Procedure

### INFOID:0000000006349882

# 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

#### (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- 2. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 3. With operating the test item, check voltage between BCM harness connector and the ground.

	Terminals		Test item	
(	+)	(-)	rest item	Voltage
В	СМ		BATTERY	(Approx.)
Connector	Terminal		SAVER	
		Ground	Off	0 V
M119	4		On	Battery voltage

# Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

- Turn the ignition switch OFF.
- Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Luggage room lamp
- 3. Check continuity between BCM harness connector and each interior room lamp harness connector.

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#### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

В	СМ	Each interi	or room lan	пр	Continu-
Connec- tor	Terminal	Connecto	r	Terminal	ity
		Map lamp	R4	1	
		Vanity mirror lamp (LH)	R2	2	
M119	4	Vanity mirror lamp (RH)	R3	2	Existed
		Luggage room lamp	B53	1	

#### Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3.CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M119	4		Not existed

#### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Check that each interior room lamp has no internal short circuit.

#### INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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### INTERIOR ROOM LAMP CONTROL CIRCUIT

Description INFOID:000000006349883

Controls each interior room lamp (ground side) by PWM signal.

NOTE:

PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

### Component Function Check

#### INFOID:0000000006349884

#### **CAUTION:**

Before performing the diagnosis, check that the following is normal.

- Interior room lamp power supply
- Map lamp bulb

# 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Switch the map lamp switch to DOOR.
- 3. Select "INT LAMP" of BCM (INT LAMP) active test item.
- 4. With operating the test items, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

On : Interior room lamp gradual

brightening

Off : Interior room lamp gradual dim-

ming

#### Does the interior room lamp turns ON/OFF (gradual brightening/dimming)?

YES >> Interior room lamp control circuit is normal.

NO >> Refer to INL-47, "Diagnosis Procedure".

# Diagnosis Procedure

### INFOID:0000000006349885

# 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### ©CONSULT-III ACTIVE TEST

- Turn the ignition switch OFF.
- Remove all the bulbs of map lamp.
- 3. Turn the ignition switch ON.
- 4. Select "INT LAMP" of BCM (INT LAMP) active test item.
- With operating the test item, check continuity between BCM harness connector and the ground.

В	CM		Test item	Continuity
Connector	Terminal	Ground	INT LAMP	Continuity
M119	19	Giodila	On	Existed
	19		Off	Not existed

#### Is the measurement value normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- Disconnect BCM connector and map lamp connector.
- Check continuity between BCM harness connector and map lamp harness connector.

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#### INTERIOR ROOM LAMP CONTROL CIRCUIT

#### < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

В	CM	Мар	lamp	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M119	19	R4	2	Existed

#### Does continuity exist?

YES >> Replace the map lamp.

NO >> Repair the harnesses or connectors.

# 3.check interior room lamp control short circuit

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and map lamp connector.
- 3. Check continuity between BCM harness connector and the ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M119	19		Not existed

#### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

#### LUGGAGE ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000006349887

INFOID:0000000006349888

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### LUGGAGE ROOM LAMP CIRCUIT

Description INFOID:0000000006349886

Controls the luggage room lamp (ground side) to turn the luggage room lamp ON and OFF.

Component Function Check

**CAUTION:** Before performing the diagnosis, check that the following is normal.

- Interior room lamp power supply
- Luggage room lamp bulb
- 1. CHECK LUGGAGE ROOM LAMP OPERATION

(P)CONSULT-III ACTIVE TEST

- 1. Turn the ignition switch ON.
- Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
- With operating the test items, check that luggage room lamp turns ON/OFF.

On : Luggage room lamp ON Off : Luggage room lamp OFF

#### Does the luggage room lamp turn ON/OFF?

>> Luggage room lamp circuit is normal. >> Refer to INL-49, "Diagnosis Procedure". NO

### Diagnosis Procedure

1. CHECK LUGGAGE ROOM LAMP OUTPUT

#### (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch OFF.
- Remove luggage room lamp bulb.
- Turn the ignition switch ON.
- Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
- With operating the test item, check continuity between BCM harness connector and the ground.

BCM			Test item	
Connector	Terminal	Ground	LUGGAGE LAMP TEST	Continuity
M120	30	0	On	Existed
101120	30		Off	Not existed

#### Is the measurement value normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM.

# 2.CHECK LUGGAGE ROOM LAMP OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- Disconnect BCM connector and luggage room lamp connector. 2.
- Check continuity between BCM harness connector and luggage room lamp harness connector.

BCM		Luggage room lamp		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M120	30	B53	2	Existed
Daga santin				

#### Does continuity exist?

YES >> Replace the luggage room lamp. INL

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### **LUGGAGE ROOM LAMP CIRCUIT**

#### < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Repair the harnesses or connectors.

# 3.CHECK LUGGAGE ROOM LAMP SHORT CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and luggage room lamp connector.
- 3. Check continuity between BCM harness connector and the ground.

В	BCM		Continuity
Connector	Connector Terminal		Continuity
M120	30		Not existed

# Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

#### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000006349890

INFOID:000000000634989

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# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description INFOID:0000000006349889

Provides the power supply and the ground to control the push-button ignition switch illumination.

# Component Function Check

# ${f 1}$ .CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

### (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item.
- With operating the test items, check that the push-button ignition switch illumination turns ON/OFF.

On : Push-button ignition switch illumination ON

Off : Push-button ignition switch illumination OFF

#### Does the push-button ignition switch illumination turn ON/OFF?

YES >> Push-button ignition switch illumination circuit is normal.

NO >> Refer to INL-51, "Diagnosis Procedure".

### Diagnosis Procedure

# ${f 1}$ .CHECK ILLUMINATION CONTROL SWITCHING OPERATION

Turn the ignition switch ON.

With operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF. 2.

Condition	Push-button ignition switch illumination
Ignition switch ON     Lighting switch 1ST	ON
Ignition switch OFF     Lighting switch OFF     Driver door LOCK	OFF

### Does the push-button ignition switch illumination turn ON/OFF?

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

# 2.check push-button ignition switch illumination ground circuit

- Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- Check continuity between BCM harness connector and the push-button ignition switch harness connector.

BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M119	14	M50	2	Existed

#### Does the continuity exist?

YES >> Replace BCM.

NO >> Repair the harness or the connector.

# 3.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

# (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item. 2.
- With operating the test item, check voltage between BCM harness connector and the ground.

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#### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Terminals			Test item		
(+)		(-)	rest item	Voltage	
ВСМ		E	ENGINESW (Appr	(Approx.)	
Connector	Terminal	Ground	ILLUMI		
M123	133	Orouna	ON	5 V	
IVITZS	133		OFF	0 V	

#### Is the measurement value normal?

YES >> GO TO 4. NO >> GO TO 5.

# 4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- 3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

ВСМ		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M123	133	M50	3	Existed

#### Does the continuity exist?

YES >> Replace the push-button ignition switch.

NO >> Repair the harness or the connector.

# 5.check push-button ignition switch illumination power supply short circuit

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- 3. Check continuity between BCM harness connector and the ground.

В	CM		Continuity
Connector	Connector Terminal		Continuity
M123	133		Not existed

#### Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM.

### INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS > [COUPE]

# SYMPTOM DIAGNOSIS

# INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

#### **CAUTION:**

Perform the self-diagnosis with CONSULT-III before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON.  Map lamp  Luggage room lamp  Vanity mirror lamp	Harness between BCM and each interior room lamp     BCM	Interior room lamp power supply circuit Refer to INL-45.
Interior room lamp does not turn ON even though the door is open.  (It turns ON when turning the interior room	Harness between BCM and each door switch	Door switch circuit Refer to <u>DLK-87</u> .
lamp ON.)  Interior room lamp does not turn OFF even though the door is closed.	Harness between BCM and each interior room lamp     BCM	Interior room lamp control circuit Refer to INL-47.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	_	Check the interior room lamp setting. Refer to INL-15.
Luggage room lamp does not turn ON.	Harness between BCM and back door switch	Back door switch circuit Refer to DLK-87.
<ul><li>(The bulb is normal.)</li><li>Luggage room lamp does not turn OFF.</li></ul>	Harness between BCM and lug- gage room lamp     BCM	Luggage room lamp circuit Refer to INL-49.
Push-button ignition switch illumination does not illuminate.	Harness between BCM and push- button ignition switch     BCM	Push-button ignition switch illumination circuit Refer to INL-51.
Interior room lamp battery saver does not activate.	_	Check the interior room lamp battery saver setting. Refer to INL-16.

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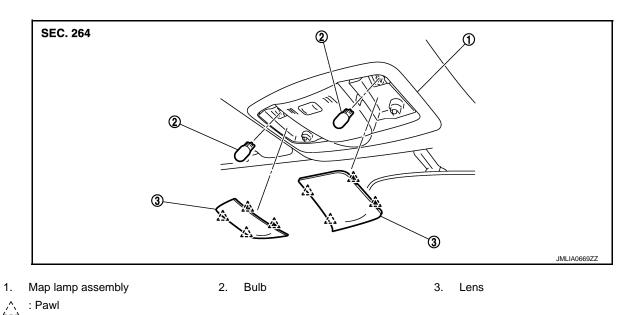
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# REMOVAL AND INSTALLATION

### MAP LAMP

Exploded View



#### Removal and Installation

INFOID:0000000006349894

Refer to INT-28, "Exploded View" for the map lamp assembly installation/removal.

Replacement

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- · Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### MAP LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- 2. Remove the bulb.

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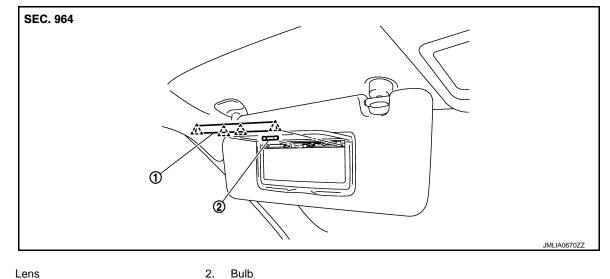
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### VANITY MIRROR LAMP

Exploded View



1. Lens ∴ : Pawl

Replacement

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### VANITY MIRROR LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Remove the bulb.

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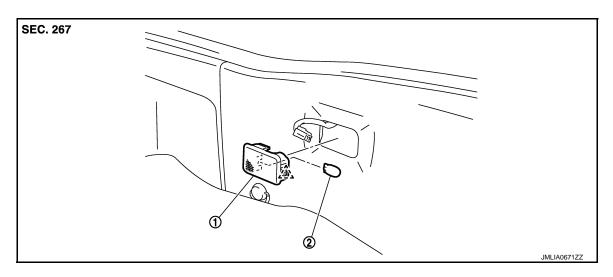
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### LUGGAGE ROOM LAMP

Exploded View



- 1. Luggage room lamp assembly
- 2. Bulb



#### Removal and Installation

INFOID:0000000006349899

#### **CAUTION:**

Disconnect the battery negative terminal or remove the fuse.

#### **REMOVAL**

- Insert any appropriate tool into the gap between the luggage room lamp assembly and luggage finisher lower. Remove the luggage room lamp assembly.
- Disconnect the connector.

#### **INSTALLATION**

Install in the reverse order of removal.

Replacement INFOID.0000000006349900

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- · Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- · Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### LUGGAGE ROOM LAMP BULB

- Remove the luggage room lamp assembly.
- 2. Remove the bulb.

# **SERVICE DATA AND SPECIFICATIONS (SDS)**

< SERVICE DATA AND SPECIFICATIONS (SDS)

[COUPE]

INFOID:0000000006349901

# SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

# **Bulb Specifications**

Item	Туре	Wattage (W)
Push-button ignition switch illumination	LED	_
Map lamp	Wedge	8
Vanity mirror lamp	_	2
Luggage room lamp	Wedge	5

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#### **PRECAUTIONS**

< PRECAUTION > [ROADSTER]

# **PRECAUTION**

# PRECAUTIONS FOR USA AND CANADA

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

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

#### **WARNING:**

- 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: Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

#### **CAUTION:**

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

- Before removing and installing any control units, first turn the 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 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 ignition switch to ACC position. (At this time, the steering lock will be released.)
- Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.

#### **PRECAUTIONS**

[ROADSTER] < PRECAUTION >

- Perform the necessary repair operation.
- 5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
- 6. Perform self-diagnosis check of all control units using CONSULT.

### FOR USA AND CANADA: Precaution for Battery Service

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

FOR MEXICO

FOR MEXICO: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000006349905

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.

Always observe the following items for preventing accidental activation.

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

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

Always observe the following items for preventing accidental activation.

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

FOR MEXICO: Precautions Necessary for Steering Wheel Rotation After Battery Disconnection INFOID:0000000006349906

#### **CAUTION:**

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

- Before removing and installing any control units, first turn the 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 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

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**INL-59** Revision: 2011 October 2011 370Z

#### **PRECAUTIONS**

< PRECAUTION > [ROADSTER]

Connect both battery cables.

#### NOTE:

Supply power using jumper cables if battery is discharged.

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

# FOR MEXICO: Precaution for Battery Service

INFOID:0000000006349907

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.

#### [ROADSTER]

# SYSTEM DESCRIPTION

# COMPONENT PARTS INTERIOR ROOM LAMP CONTROL SYSTEM

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Parts Location

INFOID:0000000006349908

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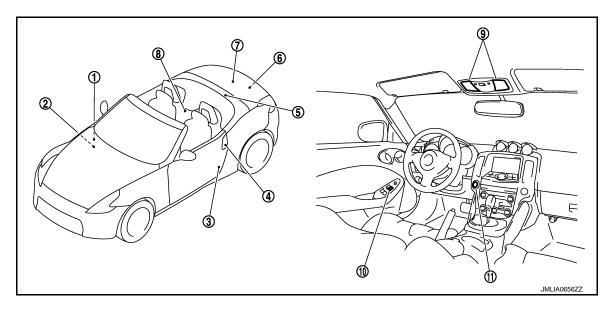
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- Remote keyless entry receiver Refer to <u>SEC-14</u>, "Component Parts Location".
- 4. Key cylinder switch
  - · Request switch
- 7. Trunk room lamp
- 10. Door lock and unlock switch

2. BCM

Refer to <u>BCS-9</u>, "Component Parts Location".

- 5. Soft top control unit

  Refer to <u>RF-12</u>, "Component Parts

  <u>Location"</u>
- 8. Cargo area coutesy light
- Push-button ignition switch (Push-button ignition switch illumination)
- Door switch
- 6. Trunk room lamp switch
- 9. Map lamp

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Description INFOID.00000000349909

Part	Description
ВСМ	<ul> <li>Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.</li> <li>Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status.</li> </ul>
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.
<ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul>	Transmits a switch signal by power window switch serial link.
<ul><li>Request switch</li><li>Door switch</li><li>Trunk room lamp switch</li></ul>	Inputs a switch signal to BCM.
Soft top control unit	Refer to RF-17

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

Revision: 2011 October INL-61 2011 370Z

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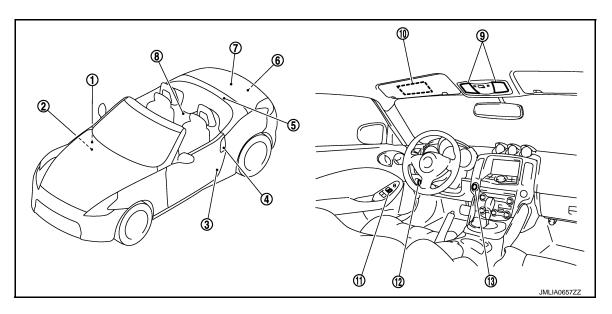
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# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Parts Location

NFOID:0000000006349910



- Remote keyless entry receiver
   Refer to <u>DLK-209</u>, "Remote Keyless
   <u>Entry Receiver"</u>.
- 4. Key cylinder switch
  - · Request switch
- 7. Trunk room lamp
- 10. Vanity mirror lamp
- 13. Push-button ignition switch
- 2. BCM
  Refer to BCS-9. "Component Parts
  Location".
- 5. Soft top control unit
  Rfer to RF-12, "Component Parts Location"
- 8. Cargo area coutesy light
- 11. Door lock and unlock switch
- 3. Door switch
- 6. Trunk room lamp switch
- 9. Map lamp
- 12. Key slot

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Description

INFOID:0000000006349911

Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.
<ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul>	Transmits a switch signal by power window switch serial link.
<ul><li>Request switch</li><li>Door switch</li><li>Trunk room lamp switch</li></ul>	Inputs a switch signal to BCM.
Key slot	Inputs the key switch status to BCM.
Soft top control unit	Refer to RF-17

# **ILLUMINATION CONTROL SYSTEM**

#### [ROADSTER]

# ILLUMINATION CONTROL SYSTEM : Component Parts Location

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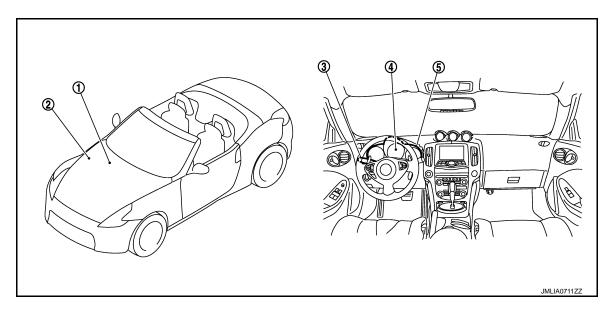
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- BCM
   Refer to BCS-9, "Component Parts
   Location".
- 4. Combination meter
- 2. IPDM E/R
  Refer to PCS-6, "Component Parts
  Location".
- 5. Illumination control switch

3. Combination switch

# ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000006349913

Part	Description		
BCM	<ul> <li>Detects each switch condition by the combination switch reading function.</li> <li>Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).</li> </ul>		
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).		
Combination meter	<ul> <li>Enters in nighttime mode according to the request from BCM (with CAN communication).</li> <li>Controls the each illumination in the nighttime mode.         Refer to MWI-6, "METER SYSTEM: System Description".     </li> </ul>		
Combination switch (Lighting & turn signal switch)	Refer to BCS-10, "System Diagram".		

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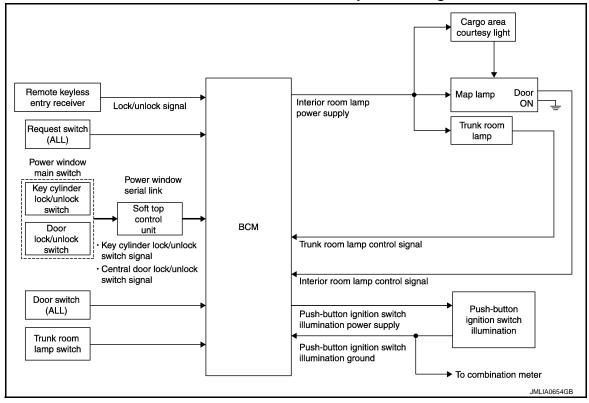
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#### SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM: System Diagram

INFOID:0000000006349914



# INTERIOR ROOM LAMP CONTROL SYSTEM: System Description

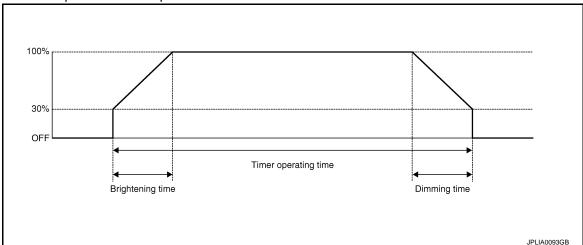
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#### **OUTLINE**

- Interior room lamps\* are controlled by interior room lamp timer control function of BCM.
  - \*: Map lamp (when map lamp switch is in DOOR position) and cargo area coutesy light (when map lamp switch is in DOOR position).
- Trunk room lamp is controlled by Trunk room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control
  function of BCM.

#### INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



• The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room timer.

#### SYSTEM [ROADSTER] < SYSTEM DESCRIPTION > BCM judges the vehicle condition with the following items. It activates the interior room timer. - Ignition switch status Α Door switch signal (ALL) - Door lock/unlock signal (Remote keyless entry receiver, each door request switch, key cylinder switch, door lock and unlock switch) В NOTE: Each function of interior room lamp timer can be set by CONSULT-III. Refer to INL-70, "INT LAMP: CON-SULT-III Function (BCM - INT LAMP) (Roadster Models)". Interior Room Lamp ON Operation BCM always turns the interior room lamp ON when any door opens. BCM activates the interior room timer in any of the following conditions to turn the interior room lamp ON for D a period of time. - Any door opens before all doors close. Ignition switch is turned ON → OFF. - Any door unlock signal is detected when all doors close with ignition switch OFF. Е NOTE: Restart the timer if new condition is input during the timer operating time. Interior Room Lamp OFF Operation F BCM stops the timer in any of the following conditions to turns the interior room lamp OFF. The timer operating time is expired. Ignition switch position is other than OFF with all doors close. Any door lock operation is detected with all doors close. TRUNK ROOM LAMP CONTROL BCM controls the trunk room lamp (ground-side) to turn ON with the trunk room lamp switch ON. Н PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL Push-button Ignition Switch Illumination Basic Operation BCM provides the power supply and the ground to turn the push-button ignition switch illumination ON. BCM cuts the ground supply while the each illumination (tail lamp) ON. BCM switches to the ground control with the meter illumination control function. Push-button Ignition Switch Illumination ON Operation BCM turns the push-button ignition switch illumination ON in the following conditions. Ignition switch ON Each illumination (tail lamp) ON K

Any of the following conditions with ignition switch OFF

- Engine start permission is entered.

- Intelligent Key inserted into the key slot.

Driver door is LOCK → UNLOCK.

Driver door is open.

Push-button Ignition Switch Illumination OFF Operation

BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
- Each illumination (tail lamp) OFF

 The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK.

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

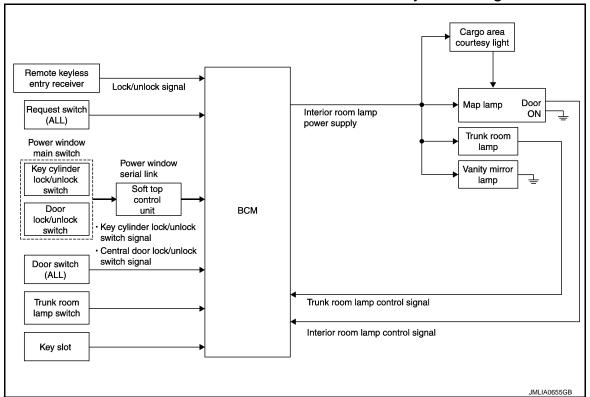
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# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram



### INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description

INFOID:0000000006349917

#### **OUTLINE**

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the battery from over-discharging if the driver neglect turning OFF the any lamps.

#### Applicable lamps

- Map lamp
- Cargo area coutesy light
- Trunk room lamp
- Vanity mirror lamp

#### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned OFF, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restart the timer when any of the following signals changes while operating the timer.
- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)
- Trunk room lamp switch signal
- Key switch signal (Key slot)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is other than OFF.

#### NOTE:

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to <a href="INL-71">INL-71</a>, "BATTERY SAVER) (Roadster Models)".

#### ILLUMINATION CONTROL SYSTEM

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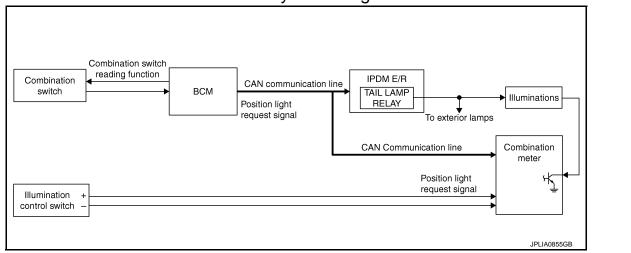
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# ILLUMINATION CONTROL SYSTEM: System Diagram



# ILLUMINATION CONTROL SYSTEM: System Description

INFOID:0000000006349919

#### **OUTLINE**

Each illumination lamp is controlled by each function of BCM, IPDM E/R and combination meter.

Control by BCM

- Combination switch reading function
- Headlamp control function

Control by IPDM E/R

Relay control function

Control by combination meter

Meter illumination control function (Refer to <u>MWI-24, "METER ILLUMINATION CONTROL: System Description"</u>.)

#### **ILLUMINATION CONTROL**

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

Tail lamp ON condition

- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

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[ROADSTER]

# **DIAGNOSIS SYSTEM (BCM)**

**COMMON ITEM** 

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

INFOID:0000000006349920

#### 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	<ul> <li>Read and save the vehicle specification.</li> <li>Write the vehicle specification when replacing BCM.</li> </ul>		

#### 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 avetem coloction 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*			
<ul><li>Intelligent Key system</li><li>Engine start system</li></ul>	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.

<sup>\*:</sup> 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 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	Power position status of the moment a particular DTC is detected	While turning power supply position from "OFF" to "LOCK"		
Vehicle Condition	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	<ul> <li>The number of times that ignition switch is turned ON after DTC is detected</li> <li>The number is 0 when a malfunction is detected now.</li> <li>The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch OFF → ON.</li> <li>The number is fixed to 39 until the self-diagnosis results are erased if it is over 39.</li> </ul>			

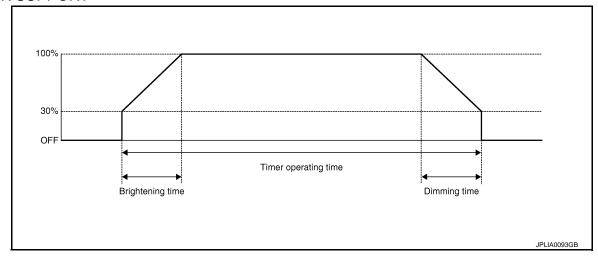
INT LAMP

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INT LAMP: CONSULT-III Function (BCM - INT LAMP) (Roadster Models) INFOID:000000006349921

### **WORK SUPPORT**



Service item	Setting item	Setting		
SET I/L D-UNLCK INTCON	ON*	With the interior room lamp timer function		
SET I/L D-ONLOR INTOON	OFF	Without the interior room lamp timer function		
	MODE 2	7.5 sec.		
ROOM LAMP TIMER SET	MODE 3*	15 sec.	Sets the interior room lamp ON time. (Timer operating time)	
	MODE 4	30 sec.		
	MODE 1	0.5 sec.		
	MODE 2*	1 sec.		
ROOM LAMP ON TIME SET	MODE 3	2 sec.	Sets the interior room lamp gradual brightening time.	
	MODE 4	3 sec.		
	MODE 5	0 sec.		
	MODE 1	0.5 sec.		
	MODE 2	1 sec.		
ROOM LAMP OFF TIME SET	MODE 3	2 sec.	Sets the interior room lamp gradual dimming time.	
	MODE 4*	3 sec.		
	MODE 5	0 sec.		
	MODE 1*	Interior room lamp timer activates with synchronizing all doors.		
R LAMP TIMER LOGIC SET	MODE 2	Interior ro only.	om lamp timer activates with synchronizing the driver door	

<sup>\*:</sup> Factory setting

#### **DATA MONITOR**

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.

# **DIAGNOSIS SYSTEM (BCM)**

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Monitor item [Unit]	Description	
PUSH SW [On/Off]	The switch status input from push-button ignition switch	
ACC RLY-F/B [On/Off]	NOTE: The item is indicated, but not monitored.	
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor	
KEY SW-SLOT [On/Off]	Key switch status input from key slot	
DOOR SW-DR [On/Off]	The switch status input from driver side door switch	
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch	
DOOR SW-RR [On/Off]	NOTE:	
DOOR SW-RL [On/Off]	The item is indicated, but not monitored.	
DOOR SW-BK [On/Off]	The switch status input from trunk room lamp switch	
CDL LOCK SW [On/Off]	Lock switch status received from the door lock and unlock switch	
CDL UNLOCK SW [On/Off]	Unlock switch status received from the door lock and unlock switch	
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch	
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch	
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.	
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver	
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver	

#### **ACTIVE TEST**

Test item	Operation	Description		
INT LAMP	On	Outputs the interior room lamp control signal to turn map lamp and cargo area courtesy light ON (Map lamp switch is in DOOR position).		
IIVI LAWIF	Off	Stops the interior room lamp control signal to turn map lamp and cargo area courtesy light OFF.		
STEP LAMP TEST	On	NOTE:		
STEP LAWIP TEST	Off	The item is displayed, but cannot be tested.		
LUGGAGE LAMP TEST	On	Outputs the trunk room lamp control signal to turn the trunk room lamp ON.		
	Off	Stops the trunk room lamp control signal to turn the trunk room lamp OFF.		

# **BATTERY SAVER**

BATTERY SAVER: CONSULT-III Function (BCM - BATTERY SAVER) (Roadster Models) INFOID:0000000006349922

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Service item	Setting item	Setting			
BATTERY SAVER SET	On*	With the e	exterior lamp battery saver function		
DATTERT SAVER SET	Off	Without th	Without the exterior lamp battery saver function		
ROOM LAMP BAT SAV SET	On*	With the in	With the interior room lamp battery saver function		
ROOM LAWF BAT SAV SET	Off	Without the interior room lamp battery saver function			
ROOM LAMP TIMER SET	MODE 1	30 min.			
	MODE 2	60 min.	Sets the interior room lamp battery saver timer operating time.		
	MODE 3*	15 min.	1		

<sup>\*:</sup> Factory setting

# DATA MONITOR

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	NOTE:
REQ SW-RL [On/Off]	The item is indicated, but not monitored.
PUSH SW [On/Off]	The switch status input from push-button ignition switch
ACC RLY-F/B [On/Off]	NOTE: The item is indicated, but not monitored.
KEY SW-SLOT [On/Off]	Key switch status input from key slot
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
DOOR SW-DR [On/Off]	The switch status input driver side front door switch
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch
DOOR SW-RR [On/Off]	NOTE:
DOOR SW-RL [On/Off]	The item is indicated, but not monitored.
DOOR SW-BK [On/Off]	The switch status input from trunk room lamp switch
CDL LOCK SW [On/Off]	Lock switch status received from the door lock and unlock switch
CDL UNLOCK SW [On/Off]	Unlock switch status received from the door lock and unlock switch
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.

## **DIAGNOSIS SYSTEM (BCM)**

## < SYSTEM DESCRIPTION >

[ROADSTER]

Monitor item [Unit]	Description
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

### **ACTIVE TEST**

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply to turn interior room lamp OFF.
DATTERT SAVER	On	Outputs the interior room lamp power supply to turn interior room lamp ON.*

<sup>\*:</sup> Each lamp switch is in ON position.

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## **DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)**

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# DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

### **CONSULT-III Function**

INFOID:0000000006349923

### 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.

## **DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)**

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CONSULT-III display		Description	
Item	Indication	- Description	
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)**

## < SYSTEM DESCRIPTION >

[ROADSTER]

CONSULT-III display		Deparintion
Item	Indication	Description
ROOF LATCHED LH/RH	LOCK	Roof lock assembly performs lock operation.
ROOF LATCHED LH/KH	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 SYSTEM	DOWN	Soft top performs open operation.
ROOF SYSTEM	OPEN	Soft top system performs open operation.
ROOF STSTEW	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.
DOOF STATE OUTDUT (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.
DOWER WINDOW /I H/RH)	UP	Power window (LH/RH) performs close operation.
POWER WINDOW (LH/RH)	DOWN	Power window (LH/RH) performs open operation.
DEAD WINDOW DEFOCCED	ON	Rear window defogger performs ON operation.
REAR WINDOW DEFOGGER	OFF	Rear window defogger performs OFF operation.

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# DIAGNOSIS SYSTEM (METER)

## **Diagnosis Description**

### SELF-DIAGNOSIS MODE

- LCD segment operation can be checked in self-diagnosis mode.
- Meters/gauges can be checked in self-diagnosis mode.

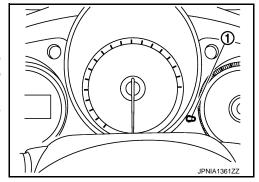
### **OPERATION PROCEDURE**

- Turn ignition switch OFF.
- While pressing the trip reset switch (1), turn ignition switch ON.
- 3. Make sure that the trip meter displays "0000.0".

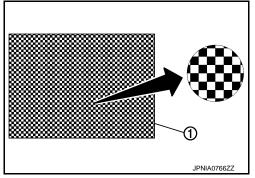
#### NOTE:

If the diagnosis function is activated with "trip A" displayed, the mileage on "trip A" is reset to "0000.0". (The same way for "trip

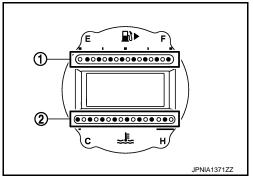
Press the trip reset switch at least 3 times. (Within 7 seconds after the ignition switch is turned ON.)



- The unified meter control unit is turned to self-diagnosis mode.
  - The segment dots of the information display LCD (1) blink alternately.
  - · Speedometer, tachometer, volt meter, and oil temperature gauge return to zero respectively.
  - All the segments of clock, manual mode indicator, S-MODE indicator, odo/trip meter, and shift position indicator illuminate.



- The fuel gauge (1) blink alternately.
- The engine coolant temperature gauge (2) blink alternately.



### NOTE:

- · Check combination meter power supply and ground circuit when the self-diagnosis mode of the combination meter does not start. Replace combination meter if power supply and ground circuit are normal.
- When turning the ignition switch ON, if the triple meter has a malfunction and the self-diagnosis mode for triple meter does not starts, check the power supply and ground circuit of the triple meter, and the communication line circuit (METER⇔TRIPLE METER). Replace triple meter if power supply and ground circuit and the communication line circuit (METER⇔TRIPLE METER) are normal.
- If any of the segments does not illuminate, replace the combination meter or the triple meter (only when the clock of a segment that does not illuminate).

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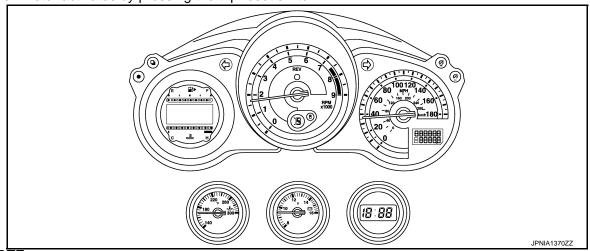
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6. Each meter activates by pressing the trip reset switch.



#### NOTE:

- If any of the meters or gauges is not activated, replace combination meter or triple meter.
- The figure is reference.

## CONSULT-III Function (METER/M&A)

INFOID:0000000006349925

### **CONSULT-III APPLICATION ITEMS**

CONSULT-III can perform the following diagnosis modes via CAN communication and the combination meter.

System	Diagnosis mode	Description
	Self Diagnostic Result	The combination meter checks the conditions and displays memorized errors.
METER/M&A	Data Monitor	Displays the combination meter input/output data in real time.
	Special function	Lighting history of the warning lamp and indicator lamp can be checked.

### **SELF DIAG RESULT**

Refer to MWI-77, "DTC Index".

### **DATA MONITOR**

Display Item List

X: Applicable

Display item [Unit]	MAIN SIGNALS	Description
SPEED METER [km/h]	Х	Value of vehicle speed signal received from ABS actuator and electric unit (control unit) via CAN communication.  NOTE: 655.35 is displayed when the malfunction signal is received.
SPEED OUTPUT [km/h]	Х	Vehicle speed signal value transmitted to other units via CAN communication. <b>NOTE:</b> 655.35 is displayed when the malfunction signal is received.
ODO OUTPUT [km/h or mph]		Odometer signal value transmitted to other units via CAN communication.
TACHO METER [rpm]	Х	Value of the engine speed signal received from ECM via CAN communication.  NOTE: 8191.875 is displayed when the malfunction signal is received.
FUEL METER [L]	Х	Fuel level indicated on combination meter.
W TEMP METER [°C]	Х	Value of engine coolant temperature signal is received from ECM via CAN communication.  NOTE: 215 is displayed when the malfunction signal is input.

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[ROADSTER]

Display item [Unit]	MAIN SIGNALS	Description
ABS W/L [On/Off]		Status of ABS warning lamp detected from ABS warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.
VDC/TCS IND [On/Off]		Status of VDC OFF indicator lamp detected from VDC OFF indicator lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.
SLIP IND [On/Off]		Status of SLIP indicator lamp detected from slip indicator lamp signal received from ABS actuator and electric unit (control unit) via CAN communication.
BRAKE W/L [On/Off]		Status of brake warning lamp detected from brake warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.  NOTE:  Displays "Off" if the brake warning lamp is illuminated when the valve check starts, the parking brake switch is turned ON or the brake fluid level switch is turned ON.
DOOR W/L [On/Off]		Status of door warning detected from door switch signal received from BCM via CAN communication.
TRUNK/GLAS-H [Off]		This item is displayed, but cannot be monitored.
HI-BEAM IND [On/Off]		Status of high beam indicator lamp detected from high beam request signal is received from BCM via CAN communication.
TURN IND [On/Off]		Status of turn indicator lamp detected from turn indicator signal is received from BCM via CAN communication.
RR FOG IND [On/Off]		Status of rear fog lamp indicator lamp detected from rear fog lamp status signal is received from BCM via CAN communication.
LIGHT IND [On/Off]		Status of light indicator lamp detected from position light request signal is received from BCM via CAN communication.
OIL W/L [On/Off]		Status of oil pressure warning lamp detected from oil pressure switch signal is received from BCM via CAN communication.
MIL [On/Off]		Status of malfunction indicator lamp detected from malfunctioning indicator lamp signal is received from ECM via CAN communication.
CRUISE IND [On/Off]		Status of CRUISE indicator lamp detected from CRUISE indicator lamp signal is received from ECM via CAN communication.
ATC/T-AMT W/L [On/Off]		A/T CHECK indicator lamp status judged by the transmission check warning lamp signal received from TCM via CAN communication.
4WD W/L [Off]		This item is displayed, but cannot be monitored.
4WD LOCK IND [Off]		This item is displayed, but cannot be monitored.
FUEL W/L [On/Off]		Low-fuel warning lamp status detected by the identified fuel level.
WASHER W/L [On/Off]		Status of washer warning lamp judged from washer level switch input to combination meter.
AIR PRES W/L [On/Off]		Status of low tire pressure warning lamp detected from tire pressure signal is received from BCM via CAN communication.
KEY G/Y W/L [On/Off]		Status of key warning lamp (yellow) detected from key warning signal is received from BCM via CAN communication.
KEY R W/L [Off]		This item is displayed, but cannot be monitored.
KEY KNOB W/L [Off]		This item is displayed, but cannot be monitored.
AFS OFF IND [Off]		This item is displayed, but cannot be monitored.
MT SYNC REV IND [On/Off]		Status of S-MODE indicator judged from S-MODE indicator signal received from ECM with CAN communication line.

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Display item [Unit]	MAIN SIGNALS	Description
FUEL CAP W/L [On/Off]		Status of fuel filler cap warning judged from fuel filler cap warning display signal received from ECM with CAN communication line.
LCD [C&P N, C&P I, B&P N, B&P I, ID NG, ROTAT, SFT P, INSRT, BATT, NO KY, OUTKY, LK WN]		Displays status of Intelligent Key system warning detected from meter display sig nal is received from BCM via CAN communication.
SHIFT IND [P, R, N, D, L, M1, M2, M3, M4, M5, M6, M7]		<ul> <li>Status of shift position indicator detected from shift position signal and manual mode indicator signal is received from TCM via CAN communication. (A/T mod els)</li> <li>Status of shift position indicator detected from shift position signal is received from ECM via CAN communication. (with SynchroRev Match mode models)</li> </ul>
AT S MODE SW [Off]		This item is displayed, but cannot be monitored.
M RANGE SW [On/Off]		Status of manual mode switch.
NM RANGE SW [On/Off]		Status of non-manual mode switch.
AT SFT UP SW [On/Off]		Status of position select switch (up).
AT SFT DWN SW [On/Off]		Status of position select switch (down).
ST SFT UP SW [On/Off]		Status of paddle shifter up switch.
ST SFT DWN SW [On/Off]		Status of paddle shifter down switch.
PKB SW [On/Off]		Status of parking brake switch.
BUCKLE SW [On/Off]		Status of seat belt buckle switch (driver side).
BRAKE OIL SW [On/Off]		Status of brake fluid level switch.
AMB POWER [Off]		This item is displayed, but cannot be monitored.
A/C AMP CONN [On/Off]		Status of A/C auto amp. connection recognition signal.
ENTER SW [On/Off]		Status of (ENTER) switch.
SELECT SW [On/Off]		Status of (SELECT) switch.
MT SYNC REV SW [On/Off]		Status of S-MODE switch.
DISTANCE [km]		Value of possible driving distance calculated by combination meter.
OUTSIDE TEMP [°C or °F]		Ambient air temperature value converted from ambient sensor signal received from ambient sensor.  NOTE:  This may not match with the temperature value indicated on the information display. (Because the information display value is a corrected value from the ambient sensor input value.)
FUEL LOW SIG [On/Off]		Status of fuel level low warning signal to output to AV control unit via CAN communication.
CRANKING SIG [On/Off]		Cranking status judged by the engine status signal received from ECM via CAN communication.

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Display item [Unit]	MAIN SIGNALS	Description
ST CNT SIG [On/Off]		Starter relay status judged by the starter relay status signal received from BCM via CAN communication.
BUZZER [On/Off]	Х	Buzzer status (in the combination meter) is detected from the buzzer output signal received from each unit via CAN communication and the warning output condition of the combination meter.

#### NOTE:

Some items are not available according to vehicle specification.

#### SPECIAL FUNCTION

#### Special menu

Display item	Description
W/L ON HISTORY	Lighting history of warning lamp and indicator lamp can be checked.

#### W/L ON HISTORY

- Stores histories when warning/indicator lamp is turned on.
- "W/L ON HISTORY" indicates the "TIME" when the warning/ indicator lamp is turned on.
- The "TIME" above is:
- 0 : The condition that the warning/indicator lamp has been turned on 1 or more times after starting the engine and waiting for 30 seconds.
- 1 39: The number of times the engine was restarted after the 0 condition.
- NO W/L ON HISTORY: Stores NO (0) turning on history of warning/indicator lamp.

#### NOTE

- W/L ON HISTORY is not stored for approximately 30 seconds after the engine starts.
- Brake warning lamp does not store any history when the parking brake is applied or the brake fluid level gets low.

### Display Item

Display item	Description	
ABS W/L	Lighting history of ABS warning lamp.	
VDC/TCS IND	Lighting history of VDC OFF indicator lamp.	
SLIP IND	Lighting history of SLIP indicator lamp.	
BRAKE W/L	Lighting history of brake warning lamp.	
DOOR W/L	Lighting history of door warning.	
TRUNK/GLAS-H	This item is displayed, but cannot be monitored.	
OIL W/L	Lighting history of oil pressure warning lamp.	
C-ENG W/L	Lighting history of malfunction indicator lamp.	
C-ENG2 W/L	This item is displayed, but cannot be monitored.	
CRUISE IND	Lighting history of CRUISE indicator lamp.	
SET IND	This item is displayed, but cannot be monitored.	
CRUISE W/L	This item is displayed, but cannot be monitored.	
BA W/L	This item is displayed, but cannot be monitored.	
O/D OFF IND	This item is displayed, but cannot be monitored.	
ATC/T-AMT W/L	Lighting history of A/T CHECK indicator lamp.	
ATF TEMP W/L	This item is displayed, but cannot be monitored.	
CVT IND	This item is displayed, but cannot be monitored.	
SPORT IND	This item is displayed, but cannot be monitored.	
4WD W/L	This item is displayed, but cannot be monitored.	
FUEL W/L	Lighting history of low fuel level warning.	

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### < SYSTEM DESCRIPTION >

[ROADSTER]

Display item	Description
WASHER W/L	Lighting history of low washer fluid warning
AIR PRES W/L	Lighting history of low tire pressure warning lamp.
KEY G/Y W/L	Lighting history of key warning lamp (yellow).
KEY R W/L	Lighting history of key warning lamp (red).
KEY KNOB W/L	This item is displayed, but cannot be monitored.
EPS W/L	This item is displayed, but cannot be monitored.
e-4WD W/L	This item is displayed, but cannot be monitored.
AFS OFF IND	This item is displayed, but cannot be monitored.
4WAS/RAS W/L	This item is displayed, but cannot be monitored.
HDC W/L	This item is displayed, but cannot be monitored.
SYS FAIL W/L	This item is displayed, but cannot be monitored.
SFT POSI W/L	This item is displayed, but cannot be monitored.
HV BAT W/L	This item is displayed, but cannot be monitored.
HEV BRAKE W/L	This item is displayed, but cannot be monitored.
SFT OPER W/L	This item is displayed, but cannot be monitored.
LANE W/L	This item is displayed, but cannot be monitored.
CHAGE W/L	Lighting history of charge warning lamp.
OIL LEV LOW	This item is displayed, but cannot be monitored.
DPF W/L	This item is displayed, but cannot be monitored.
TRAILER IND	This item is displayed, but cannot be monitored.
RUN FLAT W/L	This item is displayed, but cannot be monitored.
E-SUS W/L	This item is displayed, but cannot be monitored.
LAUNCH CNT W/L	This item is displayed, but cannot be monitored.
BRAKE PAD W/L	This item is displayed, but cannot be monitored.

## BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

INFOID:0000000006349926

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# **ECU DIAGNOSIS INFORMATION**

## BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

List of ECU Reference

ECU	Reference	_
	BCS-51, "Reference Value"	_ (
BCM	BCS-82, "Fail-safe"	_
BCIVI	BCS-84, "DTC Inspection Priority Chart"	D
	BCS-85, "DTC Index"	_
	MWI-57, "Reference Value"	
COMBINATION METER	MWI-76, "Fail-Safe"	- E
	MWI-77, "DTC Index"	_
	RF-32, "Reference Value"	F
SOFT TOP CONTROL UNIT	RF-39, "Fail-safe"	_
SOFT TOP CONTROL UNIT	RF-40, "DTC Inspection Priority Chart"	_
	RF-41, "DTC Index"	G

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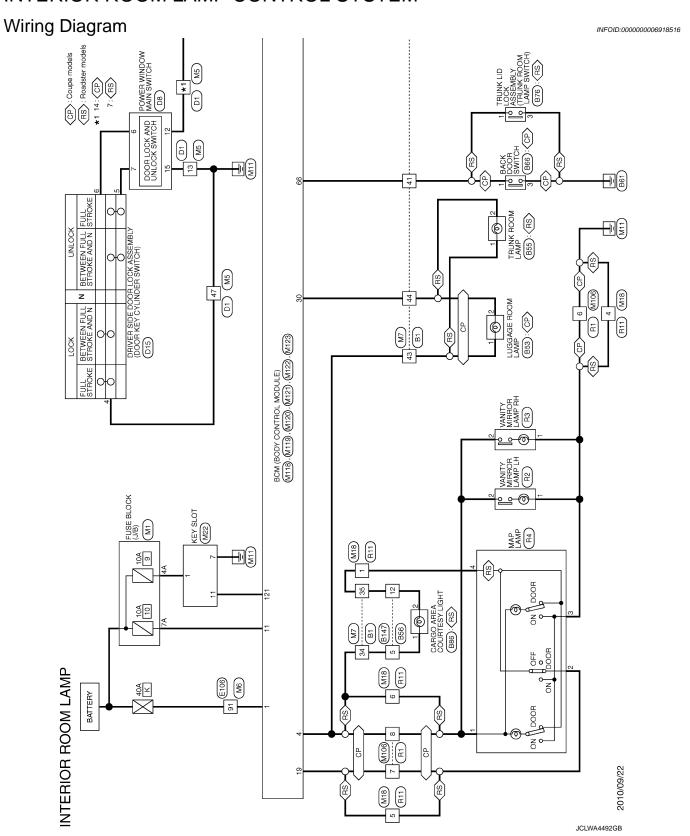
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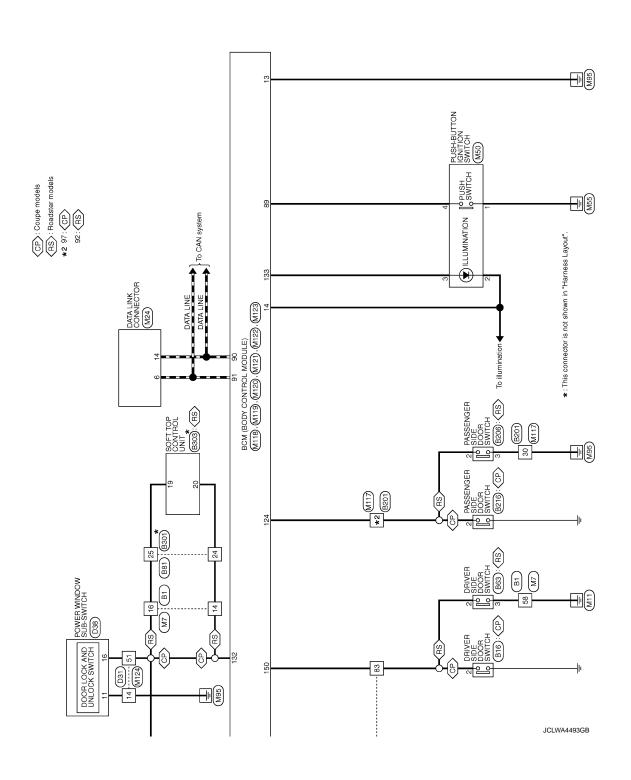
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# WIRING DIAGRAM

# INTERIOR ROOM LAMP CONTROL SYSTEM





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Connector No.	No. B1		42	BG		Connector No. B16	Connector No. B56
Connector Name	Name WIRE TO WIRE		46 46	SHIELD	- [Coupe models] - [Roadster models]	Connector Name DRIVER SIDE DOOR SWITCH	Connector Name WIRE TO WIRE
Connector Type	Type TH80FW-CS16-TM4	M4	47	>		Connector Type A03FW	Connector Type NS12MW-CS
1			48	SHELD	1 1		
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Ŀ			62	SHIELD	-	L	ŀ
la		Signal Name [Specification]	8	£ :	1	a	ē
o -	or Wire		64	> <u>II</u>	1 1	No. of Wire	No. of wire
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4	М	1	89	SHIELD	1	Connector No. B53	10 LG
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8	GR	1	71	>	1	Connector Type CJ02FGY	
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=	٨	1	73	BR	-	10000000000000000000000000000000000000	Connector No. B63
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13	BR	1	75	BG	1		
14	FG	1	80	Υ	-	1 2	Connector Type A03FW
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17	œ	-	83	GR	-		<u> </u>
18	В	_	84	5	- [Coupe models]	lal	_
20	SB	_	84	Г	- [Roadster models]	ө	0
21	5	1	82	LG LG	1	1 BR	1 0
22	GR	-	86	>	1	2 R –	2
23	>	-	87	BR	-		
24	BG	-	88	GR	1	- 1	la
25	7	-	93	Υ	-	Connector No. B55	e
26	Д	-	94	٦	- [Coupe models]	Connector Name TRIINK BOOM I AMP	2 GR -
27	W	-	94	5	- [Roadster models]		3 B -
Ħ	SHIELD		92	GR	- [Coupe models]	Connector Type S02FW	
31	W	1	92	57	- [Roadster models]	1	
32			96	-	1		
33	P - [C	- [Coupe models]	97	>	-		
33	W - [Ro	- [Roadster models]	86	W	- [Coupe models]	<u>.</u>	
34	R	1	86	Y/B	- [Roadster models]	<u>-I</u>	
35	M – [C	- [Coupe models]	66	ŊΠ	-	2	
35		padster models]	100	Н	ı	]	
36	В	_					
40	>	1				ē	
41	7	1					
42	GR					1 BR	
43	BR					2 R	
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< WIRING DIAGRAM > [ROADSTER]

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C   C   C   C   C   C   C   C   C   C	I
	J
5   8   8   8   8   8   8   8   8   8	K
	INL
Signal Name [Specification]	М
ROOM AGGEW AGGEW AGGEW NSO3FW NSO3FW NSO3FW NSO3FW	N
INTERIOR F  Connector No.  Connector	0
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< WIRING DIAGRAM > [ROADSTER]

INTERIOR ROOM LAMP									
Connector No. B206	8	- 0	Conne	Connector No.	D1	Terminal		Signal Name [Specification]	
Connector Name PASSENGER SIDE DOOR SWITCH	6		Conne	Connector Name	WIRE TO WIRE	Š.	of Wire	The same and the s	
Connector Type A03EW	4 2	1 1 2	J.	Connector Type	THAOEW-CS15	- 4	< >	1 1	
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2	+	BG -	1	464544	464554444342414039333333335 2625224232212019181716 55542525212010181716 35542525152525150292827	o !	5]	1	
œ	32	-				2 :	>	1	
3	+		Т			Ξ	BB	1	
- 1-	35	SB -	l	L		15	88	- [Coupe models]	
Terminal Color Signal Name [Specification]			Terminal	_	Signal Name [Specification]	12	>-	- [Roadster models]	
		Γ	ý ľ	ot Wire		≘ ;	۵ ،	1	
+	Connector No.	b. B303		<u>-</u>	1	4	9	-	
3 B	Connector Name	IME SOFT TOP CONTROL UNIT	8	> ·	1	12	В	1	
		┱	6 :	9	t				
Γ	Connector Type	pe IIH40FB-NH	2	BG -	1	9	Т		
Connector No. B216	Œ		=	<b>1</b> :	- [With BOSE system]	Connector No.	Т	D15	
Connector Name PASSENGER SIDE DOOR SWITCH	李		= ;	> .	- [Without BOSE system]	Connect	Connector Name D	DRIVER SIDE DOOR LOCK ASSEMBLY	
Т	Ś		12	4	1	ď	Т		
Connector Lype AU3FW	8	17 16 15 14 13	2 3	n 8	5	Connect	Connector Type	E06FGY-RS	
1	40	29 28 27 26	<u>*</u>  ;	g :	_ [conbe models]	1			
	]		4 ,	+	- [Roadster models]	事			
			<u>n</u>	+	1	Ź.			
<u> </u>	H	-	<u>ا</u>	9 (	1		`	  - 	
2	Terminal	Color Signal Name [Specification]	53	≃ .	1			123456	
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<b>]</b>	t	BR SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH)	H 4	n 8	1 1				
L	$\dagger$		ş :	g	•		ŀ		
e	4	W ROOF STRIKER SENSOR LH	49	× .	1	Terminal		Signal Name [Specification]	
re	+	+	 	5	I	No.	of Wire		
2 LG –	+	SB POWER CONDITION (POWER WINDOW)	<u> </u>	œ	I	-	BG	1	
	10	4	52	>	I	2	g	1	
	-1	č	53	BG	1	9	SB	-	
Connector No. B301	12	SB ROOF STATUS SIGNAL (AUDIO)	_	GR	1	4	В	_	
Omen Amberta	14	L ROOF OPEN / CLOSE SWITCH (CLOSE)	92	9	-	2	^	_	
	15	LG ROOF OPEN / CLOSE SWITCH (OPEN)				9	GR	-	
Connector Type TH40MW-NH	16	V TRUNK ROOM LAMP SWITCH							
Q.	1.7	BG CAN-H	Conne	Connector No.	D8				
	18	P CAN-L		Connector Name	POWER WINDOW MAIN SWITCH				
H.S.	19	LG LOCAL COMMUNICATION (POWER WINDOW)	_	3					
	20	V LOCAL COMMUNICATION (BCM)		Connector Type	NS16FW-CS				
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	$\dashv$	SENSOR POWER SUPPL							
	$\dashv$	+	季						
	35	P ROOF OPEN / CLOSE SWITCH (GND)	L H.S.	L.					
				<u>- 1</u>	4				
Terminal Color Signal Name [Specification]				ω	9 10 11 12 13 14 15				
t				ı					
H									
а 9									

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< WIRING DIAGRAM > [ROADSTER]

INTERIOR ROOM LAMP   Connector No.   D31	11   B	q	Connector No.   M5
Terminal   Color   Signal Name [Specification]   10   V		Signature   Signal Name   Specification   Specification   Signal Name   Specification   Signal Name   Specification   Spec	Terminal   Color   Signal Name [Specification]   No.   Y   Y
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< WIRING DIAGRAM >

[ROADSTER]	
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- [Roadster models]	- [Coupe models]	- [Roadster models]	I	- [Coupe models]	- [Roadster models]	- [Coupe models]	- [Koadster models]	1	1			M18	WIRE TO WIRE		TH12MW-NH				,	2 3 4 5	7 8 9 10 11 12			Simal Name [Specification]			_	1	1	1	II	1	1	ı		1	1													
٦	GR	W	_	ΓG	>	Bg	9/\E	× (	Я			Т	Connector Name	Т	Connector Type	_								_	of Wire	В	W	ď	В	Д	œ	SHIELD	٠,	9 (	٥	5 :	>													
94	95	92	96	97	97	86	86	66	001			Connector No.	Connect		Connect	1	唐	SH						Terminal	No.	-	2	3	4	5	9	7		D (	2 ;	=	12													
_	_	_	I	-	-	1	1	1	ī		-		1	1	_	-	- [Coupe models]	- [Roadster models]	1	_	-	_	_	-	_	_	_	_	_	-	I	1	1	1		1	1	1	1	1	-	-	1	1	1	1		1	-	
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	3	84	85	86	87	88	91	92	93	94	96	97	98	66	100			Connector No.	Nomon Monao	OI III I I I I	Connector Type	ó	厚	H.S.						Terminal	No.	-	2	η,	+ (	١٥	,		6	Ξ	12	13	14	15	16	17	: 82	20	21	
82	83			_	_		_		_	_	_	_	_	_	_	1		_	_	)	O	L	_	_																			Г	т	_	_	_	_	_	Т
M6 82	18 Ediw Ot adiw		TH80MW-CS16-TM4				28 28 28 28 28 28 28 28	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	00 00 00 00 00 00 00 00 00 00 00 00 00			Signal Name [Specification]		-	-	1	-	-	1	1	-				_	-	-	_	-	1	I	1	1	1			1	1	-	1	-	- [With A/T]	– [With M/T]		í		1	1	1	
Connector No. M6 82		WINE TO WINE	Connector Type TH80MW-CS16-TM4				28 28 28 28 28 28 28 28		6 NO 100 M 1				or wire					-	-	GR -	R C	- 1	0 - 5	- d		BR –	GR –		BR -	- ^	- С	- 7	BR -	as ?	-	י	- SB	M	_ 57	- ~	- D	G - [With A/T]					SHELD	- 7	1	: :

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[ROADSTER] < WIRING DIAGRAM >

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	G
Connector Na. Connector Na. Connector Na. Connector Na. Connector Type No. of N	Н
MIDG WIRE TO WIRE THIGMAN-NIH  Signal Name (Specification)  Signal Name (Specification)  Signal Name (Specification)	I
Connector No.   M50	К
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INTERIOR   Connector Name   Connector	0
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INTERIOR ROOM LAMP							
Connector No. M118	Connector No.	. M120	Connector No.	П	M122	Connector No.	M123
Connector Name BCM (BODY CONTROL MODULE)	Connector Name	me BCM (BODY CONTROL MODULE)	Connector Name		BCM (BODY CONTROL MODULE)	Connector Name	ne BCM (BODY CONTROL MODULE)
Connector Type M03FB-LC	Connector Type	oe NS12FW-CS	Connector Type	П	TH40FB-NH	Connector Type	e TH40FG-NH
	E		匮			F	
\$2 \$2	Š	20 21 7 22 23 24				<u> </u>	
		25 26 27 28 29 30 31	_	111 110 109 108	87 98 85 84 85 82 81 90 79 79 77 76 75 74 79 72 7 10 17 10 17 10 17 17 10 17 17 17 17 17 17 17 17 17 17 17 17 17	<u>88</u>	
Terminal Golor Signal Name [Specification]	Terminal Co	Color Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]	Terminal Co	Color Signal Name [Specification]
1 W BAT (F/L)	20	V TURN SIGNAL RH (REAR)	72	_	ROOM ANT 2-	┝	O OPTICAL SENSOR
POWER WINDO	23	L BACK DOOR OPEN OUTPUT [Coupe models]	73	Ь	ROOM ANT 2+	114	R CLUTCH INTERLOCK SW
3 Y POWER WINDOW POWER SUPPLY (IGN)	23	Y TRUNK LID OPEN OUTPUT [Roadster models]	74	SB	PASSENGER DOOR ANT-	115	O SHOCK SENSOR
	$\dashv$		75	BR	PASSENGER DOOR ANT+	$\dashv$	
	$\dashv$	4	92	>	DRIVER DOOR ANT-	4	4
Connector No. M119	30	R LUGGAGE ROOM LAMP OUTPUT	77	EG EG	DRIVER DOOR ANT+	-	DR DO
Connector Name BCM (BODY CONTROL MODULE)			78	١,	ROOM ANT 1-	+	7
Т	2	Γ	6/ 8	× 5	ROOM ANT 1+	+	
Connector Type NSTBFW-US	Connector No.	Τ	80	¥ 3	NATS ANT AMP	124	LG PASSENGER DOOR SW TELINIC ITS ODENED CANCEL SW
	Connector Name	me BCM (BODY CONTROL MODULE)	0 0	۵ء	ION BELAY (E/B) CONT	+	$\downarrow$
	Connector Type	De TH40FGY-NH	83	e B	KYLS ENT RECEIVER (FRONT) COMM	132	P/W SW & SOFT TOP C/U COMM [Readster models]
4 5 6 7 3 8 9 10	4		87	HB.	COMBI SW INPUT 5	132	POWER WINDOW SW COMM [Coupe models]
12 14 15 16	厚		88	>	COMBI SW INPUT 3	133	G PUSH BUTTON IGNITION SW ILL POWER
01 01 10	Si H		89	BR	PUSH SW	134 (	GR LOCK IND
		7	06	Ь	CAN-L	137	P RECEIVER/SENSOR GND
	21 21 21	10 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32	91	7	CAN-H	138	V RECEIVER / SENSOR POWER SUPPLY
lal	1		95	FG	KEY SLOT ILL	139	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM
No. of Wire			93	^	ON IND	140	G P/N POSITION SW [With M/T]
4 R INTERIOR ROOM LAMP POWER SUPPLY			92	0	ACC RELAY CONT	140	G SHIFT N/P [With A/T]
5 G SUPER LOCK OUTPUT	leu	Color Signal Name [Specification]	96	>	A/T SHIFT SELECTOR POWER SUPPLY	141	/ SECURITY INDICATOR
7	1	re	97	٦	S/L CONDITION 1	4	
G DRIVER DOOR,	+		86	۵	S/L CONDITION 2	4	
BR BA	+	_	66	œ	CLUTCH PEDAL POS SW [With M/T]	4	G COMBI SW OUTPUT 2
В	4		66	œ	SHIFT P [With A/T]	4	
R PUSH-BUTTON	+	W BACK DOOR ANT+	00 2	<u>ښ</u>	PASSENGER DOOR REQUEST SW	+	0
>	+	5	101	-	DRIVER DOOR REQUEST SW	+	+
м	+	+	102	7	BLOWER FAN MOTOR RELAY CONT	151	G REAR WINDOW DEFOGGER RELAY CONT
+	+	1	103	1	KYLS ENT RECEIVER (FRONT) PWR SUPPLY		
19 P ROOM LAMP TIMER CONTROL	+	E .	90 5	≥ .	S/L UNIT POWER SUPPLY		
	+	1	/01	2	COMBLSW INFUL		
	+	+	108	œ ;	COMBI SW INPUT 4		
	+	+	109	> 0	COMBI SW INPUT 2		
	+	+	110	٠ ;	HAZARD SW		
	67 G	GR TRUNK LID OPENER SW [Roadster models]	Ξ	>	S/L UNIT COMM		

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Connector No. R4 Connector Name MAP LAMP Connector TY09F TY08FGY  ALS.  6 5 4 3 2 1	Terminal   Color   Signal Name   Specification   1	Color   Colo
13 G	Terminal Color Signal Name [Specification] 1 2 R	Terminal Color No. of Wire Signal Name [Specification]
MIST	Color   Signal Name [Specification]   Color   Color	Connector Type THI6PV-NH  H.S.   R   7   6   5   4   3   2   1
INTERIOR Connector No. Connector Name Connector Type  A.S.   Terminal   Color     No. of Wire     10	Commetter  Terminal No. No. 6 6 6 1 1 11 11	

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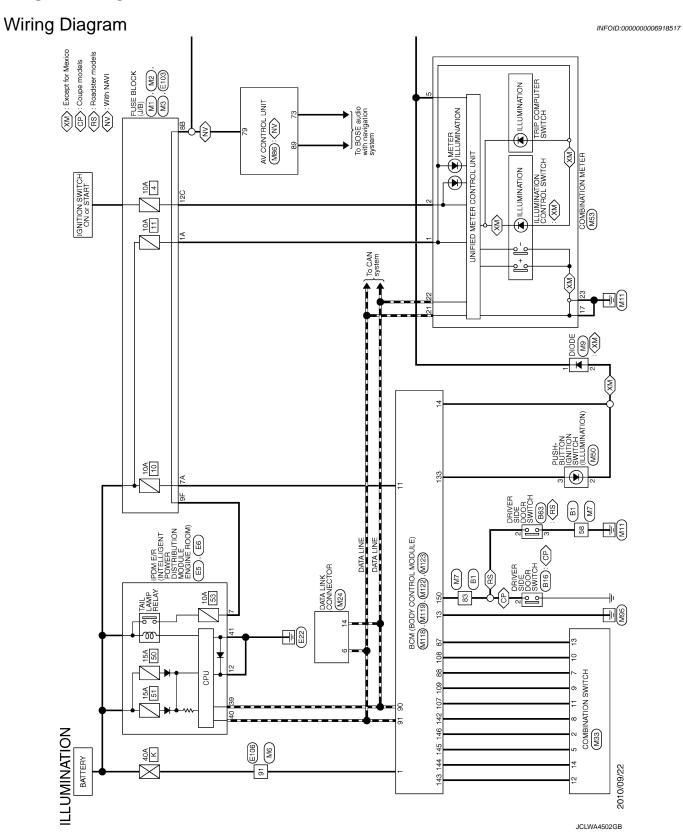
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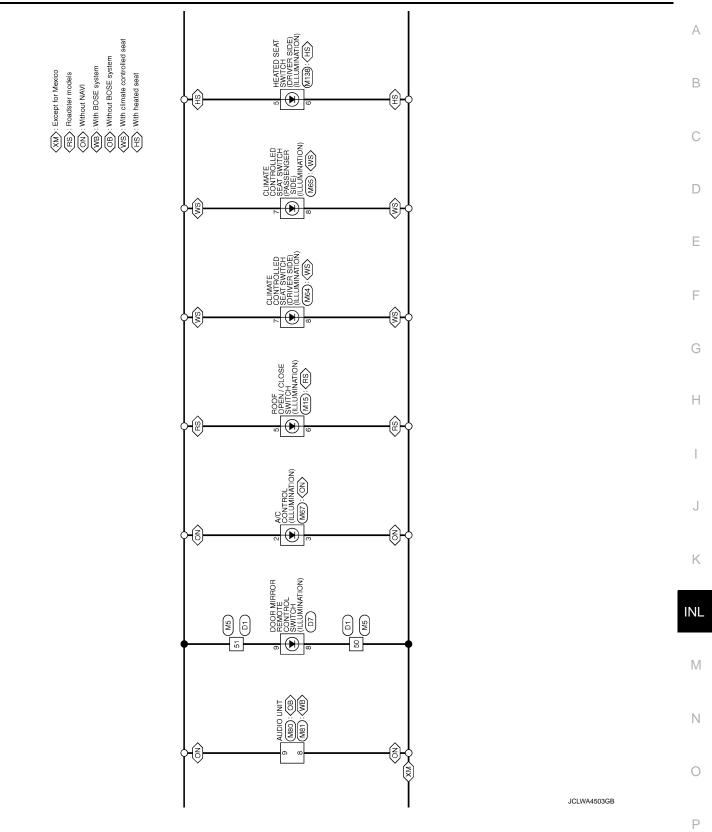
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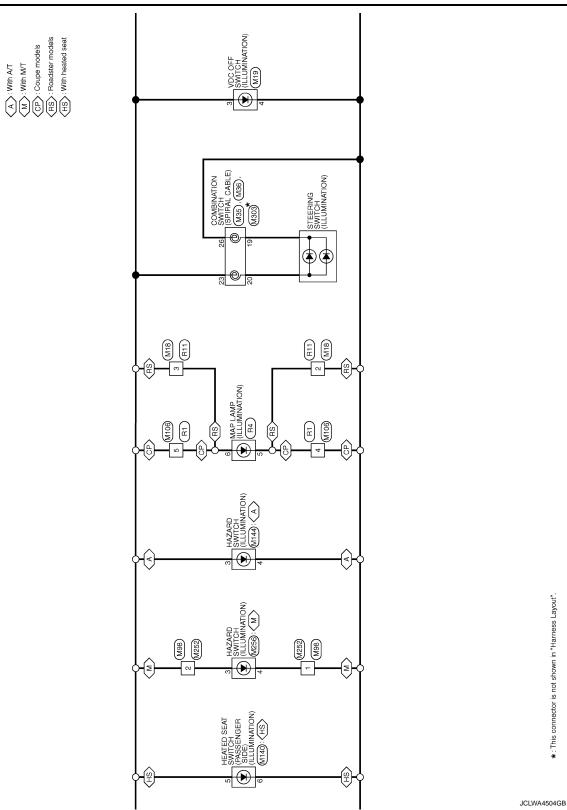
Revision: 2011 October INL-93 2011 370Z

## **ILLUMINATION**





Revision: 2011 October INL-95 2011 370Z



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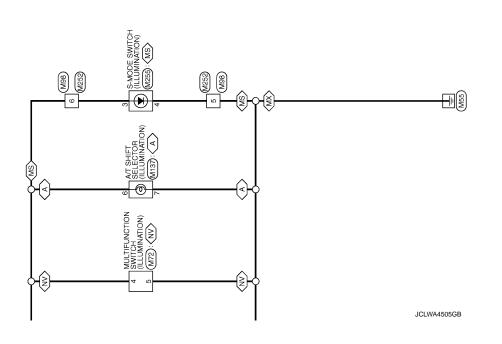
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< WIRING DIAGRAM > [ROADSTER]

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Connector No.	No. BI		45	7		Connector No. B16	1		_
Connector Name		WIRE TO WIRE	46	S		Connector Name DRIVER SIDE DOOR SWITCH	+	- [With BOSE system]	_
	╛		46	S	- [Roadster models]	T	^	- [Without BOSE system]	_
Connector Type	┑	TH80FW-CS16-TM4	4	┪		Connector Type A03FW	+	1	_
4			488	رة ا		4	+		_
£5	L	[6] [6] [6] [6]	2	+		K	14 SB		_
, S	8		25	7		K Fig	4	- [Roadster models]	_
	18	5 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22	ģ	- O		-	1	_
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	╛		٩	7	1	]	+	1	_
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Terminal	Color	Signal Name [Specification]	63	8 8	1	la l	48 SB	1	_
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2	BG		99	3 P	-		51 R	-	
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4	W	1	Î	SHIELD	-	Connector No. B63	53 BG		_
<sub>G</sub>	>	1	69	t		Г	H		_
, ,	. e	1	<u>'</u>	╀		Connector Name DRIVER SIDE DOOR SWITCH	╁		_
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0 0	¥ 6		- 5	+					
6	25	1	1	+		4			Г
=	<u> </u>	1	7	+			Connector No.	D7	_
12	×	1	_	GR GR		K Es	Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH	
13	BR	1	7	$\dashv$	1			П	_
14	LG	_	ౙ	۲	_		Connector Type	TK16FW	_
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17	۳	1	ĕ	3 GR	1		<u> </u>		
18	8	1	84	5	- [Coupe models]	Terminal Color		1	
20	SB	1	8	L		No. of Wire Signal Name [Specification]		0 0 10 10 10 18 18	
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2	GR	1	98	╀	1	╁	•		
23	>	1	000	PR PR	1	ł			
24	BG	1	ľ	H			Terminal Color		_
25		1	93	H		Connector No. D1	Ŭ	Signal Name [Specification]	
56	а	ı	94	-	- [Coupe models]	г	-		_
27	W	1	ď	ŀ	-	Connector Name WIRE TO WIRE	^	1	_
T	SHIFLD	1	95	ľ		Connector Type TH40FW-CS15	- α		_
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3 5	¥ 0	[Roadster models]	8 8	╀			+		_
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32	× 1	- [Coupe models]	66	+			+		_
99	9	- [Roadster models]	100	0	1	1	16 BR	-	_
36	B	1				ŀ			
9	<b>≻</b>	ı				-e			
4	-	1				No. of Wire			
45	¥ !	1				× :			
£3 :	HE I	1				> 1			
44	_ ~	1				5 6			

JCLWA4506GB

< WIRING DIAGRAM > [ROADSTER]

Corrector No.   M1	Terminal   Color   Signal Name   Specification   No.	
5 P	<del>┩╫╫╫╫╫╫╫╫╫</del>	
44 W	Terminal Color  Terminal Color  Formestor No. E 106  Connector Name WIRE TO WIRE  Connector Name WIRE TO WIRE  Connector Name WIRE TO WIRE  Terminal Color  Te	
	Terminal   Color   C	

JCLWA4507GB

Revision: 2011 October INL-99 2011 370Z

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ILLUN	וַצַּ							
Connector No.	r No. M3	51	œ	II.	46	ŋ	Ĭ.	_
Connector Name	r Name FUSE BLOCK (J/B)	52	<b>-</b>   ;	Í	47	BR	í	_
T softone	Т	25	٠ د	1	80 0	SHIELD -	ı	_
Colliecto	Type Insizew cs	55 9	5 @		g 2	۵ ا	1 1	_
E		3			80	. P	i	_
Š					-8	GR	1	_
	5C/4C 13C/2C/1C	Connector No.	П	M6	82	>	1	_
	120 110 100 9C 8C 7C 6C	Connecto	Connector Name	WIRE TO WIRE	83	> .	Г	_
		Contraction Tuno	Т	THEORY OF STATE	4	7 6	Í.	_
			٦.	HOUMW-CSIG-IM4	8 8	<u>د</u> ک	1 1	_
Terminal	Color	修			87	. 5	i	_
No.	of Wire	S		3	88	Ь	1	_
99				1	91	W	-	_
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90	- 0			8 00 20 20 20 20 20 20 20 20 20 20 20 20 2	93	۵	T	_
20 5					94	> 0	1	_
2 9	- I	F			90 20	1 5	I.	_
77		No		Signal Name [Specification]	é e	5 0	1 1	_
		-	>	1	on 65	> 3	1	_
Connector No.	No.	· [e		1	001	· ~	1	_
	П	4	_	1				-
Connector Name	r Name WIRE TO WIRE	7	В	-				
Connector Type	r Type TH40MW-CS15	8	Ь	1				
q		6	В	ī				
季		Ξ	æ	I				
H.S.	34 64 64 64 64 64 66 64 6 6 6 6 6 6 6 6	12	œ	I				
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13	_	I				
	2772829303132333435 474849505155	14	ŋ	I				
		15	۵	II				
		91	Х	I				
		17	æ	1				
Terminal	Color Signal Name [Specification]	20	æ,	Í				
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, α		32	> (	1				
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2 6		g 9	3 ×	1				
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JCLWA4508GB

## **ILLUMINATION**

[ROADSTER] < WIRING DIAGRAM >

	А
Signal Name [Specification]	В
	С
Terminal   Color   No.   Color   No.   Color	D
E Eation)	Е
Mis   Signal Name [Specification]	F
MIS	G
Connector No.  Connector No.  Connector No.  Connector Name  Connector Name  Connector Name  Connector Name  Connector Name  Gonnector Name  Connector Name  Gonnector Name  Connector Name  C	Н
odels]  odels]  odels]  odels]  odels]	I
- [Roadster models] [Coupe models] [Coupe models] [Coupe models] [Coupe models] [Roadster models]	J
	K
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	K
	INL
Signal Name [Specification]  Signal Name [Specification]	M
	N
	IN
ILLUMINA TION   Connector No.   M7   Connector No.   M7   Connector No.   M7   Connector No.   M8   Color   Connector Type   The RM   The RM   Color	0

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[ROADSTER]

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т	14 G OUIPUL2	Т	G A/CAUT
Connector Name DATA LINK CONNECTOR		Connector Name PUSH-BUTTON IGNITION SWITCH	20 GR AMBIENI SENSON GROUND 21 L CAN-H
Connector Type BD16FW	Connector No. M35	Connector Type TK08FBR	Ь
	Connector Name COMBINATION SWITCH (SPIRAL CABLE)		23 B GROUND
S.	Connector Type TK06FY-EX-1V	H.S.	
11 14 16	匮	4 5 6 7 8 3	Connector No. M64
4 0 0	SH.	2	
Terminal Color	28 29 30	Terminal Golor	Connector Type   TK10FW
of Wire			修
D ;	Ŀ	- C	SH.
3 Y = [Koadster models]	erminal Color   Signal Name [Specification]   of Wire   Signal Name [Specification]	3 C K	1 7 7 3 3 4 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
5 B -	23 W –	4 BR -	2000
	28 Y	$\dashv$	
× × × × × ×	29 Y	> > > P	Torminal
+	-	- a	_
- FG			0 1
	Connector No. M36		2 V -
16 Y -	Connector Name COMBINATION SWITCH (SPIRAL CABLE)	Connector No. M53	d :
	Connector Type TK08FGY-1V	Connector Name COMBINATION METER	4 K
Connector No. M33	1	Connector Type TH24FW-NH	H
Connector Name COMBINATION SWITCH	(Mary)		- L
Connector Type TH16FW-NH		<b>S</b>	
	24 25 26	1 2 3 4 5 6 8 9 10 11 12	
HS.		15 16 17 18 19 20 21 22 23 24	
123	Terminal Color		
7 8 9 10 11 12 13 14	_	-a	
	24 P = -	No. of Wire	
Ferminal Color	╁	2 0 IGNITION POWER SUPPLY	
	31 L –	3 L VEHICLE SPEED SIGNAL (2-PULSE)	
Ħ	+	4 Y VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico]	
2 SB OUTPUT 4	33 B	4 V VEHICLE SPEED SIGNAL (8-PULSE) [For Mexico]	
- 8	┨	+	
^		١.	
8 O OUTPUT 5		L COMMUNIC	
9 Y INPUT 2		Ö.	
¥ <u>~</u>		15 L ACC POWER SUPPLY 16 P AIR RAG SIGNAL	
2 a		£ 80	
13 BR INPUT 5		V AMBIENT	

JCLWA4510GB

[ROADSTER] < WIRING DIAGRAM >

D   AAL	А
COMPOSITE INAGE GND COMPOSITE INAGE GND MCROPHONE GND MCROPHONE GND COMMICONIT-DISP CAN-L [Couge models] CAN-L [Couge models] AV COMMI (L) [Couge models] AV COMMI (H) [Couge models] AV COUGE (H) (H) [Couge (H) [Couge (H) [Couge (H) [Couge (H) [Couge (H) [Couge (	В
	С
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14   15   16   7   8   14   15   16   7   8   14   15   16   7   8   14   15   16   7   8   14   15   16   7   8   16   16   16   16   16   16   16	F
	G
	Н
MULTIFINATION SWITCH	I
1   3   6   9   14   14   14   15   15   15   15   15	J
Connector No. Miles  Terminal Color No. Miles  1	К
	INL
TON     Was     Count connects set simple between see	M
	N
ILLUMINATION   Commetter No.   Miss   Commetter Name   Culture Commetter Name   Color   No.   Colo	0
	JCLWA4511GB

**INL-103** Revision: 2011 October 2011 370Z

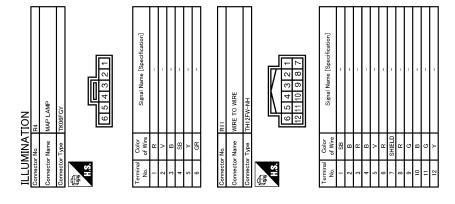
ا≥							
Connector No. M106	Connector No.	M119	83	GR	KYLS ENT RECEIVER (FRONT) COMM	_	ш
Connector Name WIRE TO WIRE	Connector Name	BCM (BODY CONTROL MODULE)	88	# >	COMBI SW INPUT 5	133	G PUSH BUTTON IGNITION SWILL POWER
Connector Type TH16MW-NH	Connector Type	NS16FW-CS	88	- H	PUSH SW	╁	RECEIV
1		1	06	۵	CAN	ŀ	RECE
修	F		16	_	CAN-H	139	L TIRE PRESS/KYLS ENT (REAR) RECEIV COMM
<u> </u>	Š		95	FG	KEY SLOT ILL	140	G P/N POSITION SW [With M/T]
		4 5 6 7 6 9 10	93	>	ON IND	140	G SHIFT N/P [With A/T]
2 3 4 5		11 12 13 14 15 16 17 18 19	92	0	ACC RELAY CONT	141	Y SECURITY INDICATOR
9 10 11 12 13 14 15 16		2	96	Υ	A/T SHIFT SELECTOR POWER SUPPLY	142	O COMBI SW OUTPUT 5
			97	٦	S/L CONDITION 1	143	P COMBI SW OUTPUT 1
			86	Ь	S/L CONDITION 2	144	G COMBI SW OUTPUT 2
la	lal	Cinnal Name [Consideration]	66	œ	CLUTCH PEDAL POS SW [With M/T]	145	COMBI SW OUTPUT 3
No. of Wire	No. of Wire	4	66	~	SHIFT P [With A/T]	Н	0
	4 R	INTERIOR ROOM LAMP POWER SUPPLY	100	GR	PASSENGER DOOR REQUEST SW	150 G	GR DRIVER DOOR SW
5 R	5 G	SUPER LOCK OUTPUT	101	<b>\</b>	DRIVER DOOR REQUEST SW	151	G REAR WINDOW DEFOGGER RELAY CONT
- B	8	ALL DOOR, FUEL LID LOCK OUTPUT	102	0	BLOWER FAN MOTOR RELAY CONT		
7 p –	9 6	DRIVER DOOR,	103	LG K	KYLS ENT RECEIVER (FRONT) PWR SUPPLY		
- A	11 BR	BAT (FUSE)	106	Μ	S/L UNIT POWER SUPPLY	Connector No.	M137
	13 B	GND	107	PC	COMBI SW INPUT 1		GOTOS ISS TIMES TO A
	14 R	PUSH-BUTTON IGNITION SW ILL POWER	108	œ	COMBI SW INPUT 4	Connector Nar	
<b>&gt;</b>	15 Y	ACC IND	109	>-	COMBI SW INPUT 2	Connector Type	TK10FW
14 SHIELD -	W 71	TURN SIGNAL RH (FRONT, SIDE)	110	Ь	HAZARD SW	4	
15 R -	18 0	TURN SIGNAL LH (FRONT, SIDE)	111	>	S/L UNIT COMM	厚	
E	19 P	ROOM LAMP TIMER CONTROL				ES	
							1 2 3 4
			Connector No.	П	M123		5 6 7 8 9 10
Connector No. M118	Connector No.	M122	Connector Name		BCM (BODY CONTROL MODULE)		
Connector Name BCM (BODY CONTROL MODULE)	Connector Name	BCM (BODY CONTROL MODULE)	Connector Time	Т	DIA COCCUE		
Т	T. T. Constant	Т	000	1	#OLG LIKE	⊢	
Connector Type Mu3rB-LC	Connector Type	I H40FB-INH	13			No. of	Color Signal Name [Specification]
	(F		\ \			t	
	E		2				
			\$1	51 130 139 138 127	126 125 124 125 125 120 130 118 118 117 116 115 115 114 113 112	1 65	
	91 90	9 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72	91	51 150 149 148 143	146 145 144 143 142 141 140 139 139 137 135 135 135 133 133	H	-
2	1111110	08 108 100 109 109 100 100 100 101 100 89 88 97 96 95 94 98 92 92 97 96 97 98 97 98 98 98 98 98 98 98 98 98 98				9	- 5
]						9	
			Terminal	Color	O Simon Name (O sections)	7	- M
Terminal Color	Terminal Color	[	No.	of Wire	olgridi Marire Lopecii catiorij	8	
of Wire	No. of Wire		113	0	OPTICAL SENSOR	6	-
1 W BAT (F/L)	72 L	ROOM ANT 2-	114	Я	CLUTCH INTERLOCK SW	10	
2 W POWER WINDOW POWER SUPPLY (BAT)	73 P	ROOM ANT 2+	115	0	SHOCK SENSOR		
3 Y POWER WINDOW POWER SUPPLY (IGN)	74 SB	PASSENGER DOOR ANT-	116	SB	STOP LAMP SW 1		
	75 BR	PASSENGER DOOR ANT+	118	Ь	STOP LAMP SW 2		
	76 V	DRIVER DOOR ANT-	119	SB	DR DOOR UNLOCK SENSOR		
	77 LG	DR	121	œ	KEY SLOT SW		
	+	ROOM ANT 1-	123	>	IGN F/B		
	+		124	<u>5</u>	PASSENGER DOOR SW		
	+		129	٥.	TRUNK LID OPENER CANCEL SW		
	+	NATS ANT AMP.	130	†	REAR DEFOGGER SW		
	82 R	IGN RELAY (F/B) CONT	132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]		

JCLWA4512GB

< WIRING DIAGRAM > [ROADSTER]

Vac M303  Varie COMBINATION SWITCH (SPIRAL CARLE)  Vac TKOBFGY  20 19 18 17 16 15 14 13	Color   Signal Name [Specification]   Color	A B
Connector No. Connector Name Connector Type H.S.	Connector No.   Color No.   Connector No.	D
	Signal Name [Specification]	Е
M255 S-MODE SWITCH TKG4FGY		F
		G
Connector No Connector Type MA	Terminal   Color	Н
мтон 124	Signal Name [Specification]  GND  GND  GND  GND  I.L.+  I.L  - [Coupe models]  - [Roadster models]  - [Roadster models]	I
Connector No. M144 Connector Name HAZARD SWITCH Connector Type TR04FW  H.S.	Calor   Calor   Signa	К
		INL
TON MI38 NEATED SEAT SWITCH (DRIVER SIDE) NESDEPW-CS  1	Signal Name (Specification)	M
5 <del>11 11</del>	MA140 HEATED SE  WAS GREEN  WAS G	Ν
ILLUMINATION Connector No M138 Connector Name HEATES Connector Type NISOBEW	Terminal Color No. of Wire No.	0
	JCLWA4513GB	Р

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JCLWA4514GB

< BASIC INSPECTION > [ROADSTER]

## **BASIC INSPECTION**

## DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

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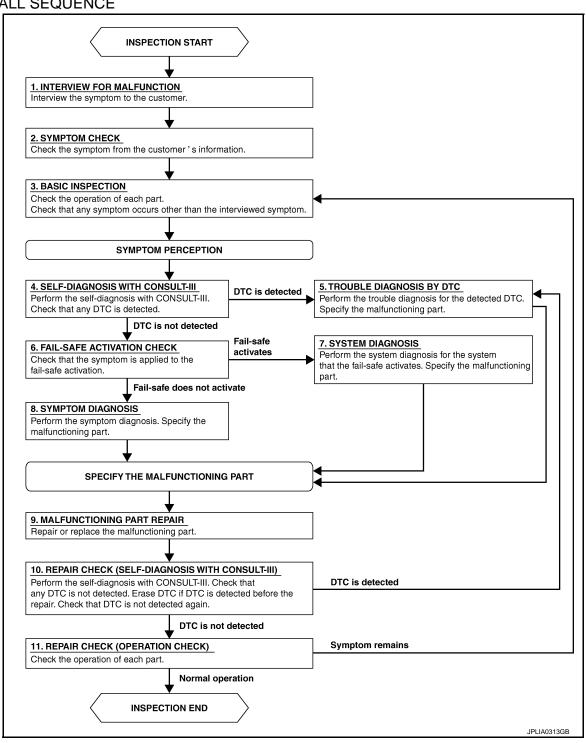
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### **OVERALL SEQUENCE**



### **DETAILED FLOW**

## 1.INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

### **DIAGNOSIS AND REPAIR WORKFLOW**

< BASIC INSPECTION > [ROADSTER]

>> GO TO 2.

## 2.SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

## 3.BASIC INSPECTION

Check the operation of each part. Check that any symptom occurs other than the interviewed symptom.

>> GO TO 4.

### 4. SELF-DIAGNOSIS WITH CONSULT-III

Perform the self-diagnosis with CONSULT-III. Check that any DTC is detected.

### Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 6.

### 5. TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9.

### 6. FAIL-SAFE ACTIVATION CHECK

Check that the symptom is applied to the fail-safe activation.

### Does the fail-safe activate?

YES >> GO TO 7.

NO >> GO TO 8.

### 7. SYSTEM DIAGNOSIS

Perform the system diagnosis for the system that the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9.

## 8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

## 9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

# 10. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

Perform the self-diagnosis with CONSULT-III. Check that any DTC is not detected. Erase DTC if DTC is detected before the repair. Check that DTC is not detected again.

#### Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 11.

## 11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

### Does it operate normally?

YES >> INSPECTION END

NO >> GO TO 3.

### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INFOID:0000000006349930

INFOID:0000000006349931

INFOID:0000000006349932

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# DTC/CIRCUIT DIAGNOSIS

# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver activating.

# Component Function Check

# 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

#### CONSULT-III ACTIVE TEST

- 1. Turn the ignition switch ON.
- 2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Trunk room lamp
- Cargo area courtesy light
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 4. With operating the test items, check that each interior room lamp turns ON/OFF.

Off : Interior room lamp OFF
On : Interior room lamp ON

#### Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.

NO >> Refer to INL-109, "Diagnosis Procedure".

# Diagnosis Procedure

# 1 -CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

# ©CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 3. With operating the test item, check voltage between BCM harness connector and the ground.

Terminals			Test item		
(+)		(-)	1631 16111	Voltage	
В	CM		BATTERY	(Approx.)	
Connector	Terminal		SAVER		
		Ground	Off	0 V	
M119	4		On	Battery voltage	

#### Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

- Turn the ignition switch OFF.
- 2. Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Trunk room lamp
- Cargo area courtesy light
- 3. Check continuity between BCM harness connector and each interior room lamp harness connector.

**INL-109** 

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### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

BCM		Each interio	Continu-		
Connec- tor	Terminal	Connector Terminal			ity
		Map lamp	R4	1	
		Vanity mirror lamp (LH)	R2	2	
M119	4	Vanity mirror lamp (RH)	R3	2	Existed
	Trunk room lamp	B55	1		
	Cargo area coute- sy light	B86	1		

### Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

# 3.CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

В	CM		Continuity
Connector	Terminal	Ground	Continuity
M119	4		Not existed

### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Check that each interior room lamp has no internal short circuit.

### INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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## INTERIOR ROOM LAMP CONTROL CIRCUIT

Description INFOID:0000000006349933

Controls each interior room lamp (ground side) by PWM signal.

PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

## Component Function Check

#### INFOID:0000000006349934

#### **CAUTION:**

Before performing the diagnosis, check that the following is normal.

- Interior room lamp power supply
- Map lamp bulb

# ${f 1}$ .CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

### CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Switch the map lamp switch to DOOR.
- Select "INT LAMP" of BCM (INT LAMP) active test item.
- With operating the test items, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

: Interior room lamp gradual On

brightening

Off : Interior room lamp gradual dim-

#### Does the interior room lamp turns ON/OFF (gradual brightening/dimming)?

>> Interior room lamp control circuit is normal.

>> Refer to INL-111, "Diagnosis Procedure". NO

# Diagnosis Procedure

## INFOID:0000000006349935

# 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

## (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch OFF.
- 2. Remove all the bulbs of map lamp.
- Turn the ignition switch ON. 3.
- Select "INT LAMP" of BCM (INT LAMP) active test item. 4.
- With operating the test item, check continuity between BCM harness connector and the ground. 5.

ВСМ			Test item	Continuity
Connector	Terminal	Ground	INT LAMP	Continuity
M119	10	19	On	Existed
IVITIS	19		Off	Not existed

#### Is the measurement value normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and map lamp connector.
- Check continuity between BCM harness connector and map lamp harness connector.

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### INTERIOR ROOM LAMP CONTROL CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

ВСМ		Map lamp		Continuity
Connector	Terminal	Connector Terminal		Continuity
M119	19	R4	2	Existed

### Does continuity exist?

YES >> Replace the map lamp.

NO >> Repair the harnesses or connectors.

# 3.check interior room lamp control short circuit

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and map lamp connector.
- 3. Check continuity between BCM harness connector and the ground.

В	CM		Continuity
Connector Terminal		Ground	Continuity
M119	19		Not existed

### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

### TRUNK ROOM LAMP CIRCUIT

#### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

INFOID:0000000006349937

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### TRUNK ROOM LAMP CIRCUIT

Description INFOID:0000000006349936

Controls the trunk room lamp (ground side) to turn the luggage room lamp ON and OFF.

Component Function Check

CAUTION:

- Before performing the diagnosis, check that the following is normal.

   Interior room lamp power supply
- Trunk room lamp bulb

# 1. CHECK TRUNK ROOM LAMP OPERATION

### (P)CONSULT-III ACTIVE TEST

- 1. Turn the ignition switch ON.
- 2. Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
- With operating the test items, check that trunk room lamp turns ON/OFF.

On : Trunk room lamp ON
Off : Trunk room lamp OFF

### Does the Trunk room lamp turn ON/OFF?

YES >> Trunk room lamp circuit is normal.

NO >> Refer to INL-113, "Diagnosis Procedure".

# Diagnosis Procedure

# 1. CHECK TRUNK ROOM LAMP OUTPUT

### ©CONSULT-III ACTIVE TEST

- Turn the ignition switch OFF.
- Remove trunk room lamp bulb.
- 3. Turn the ignition switch ON.
- Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
- 5. With operating the test item, check continuity between BCM harness connector and the ground.

В	CM		Test item	
Connector	Terminal	Ground	LUGGAGE LAMP TEST	Continuity
M120	M120 30	30	On	Existed
WIIZO			Off	Not existed

#### Is the measurement value normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM.

# 2.CHECK TRUNK ROOM LAMP OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and trunk room lamp connector.
- Check continuity between BCM harness connector and trunk room lamp harness connector.

ВСМ		Trunk room lamp		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M120	30	B55	2	Existed

#### Does continuity exist?

YES >> Replace the trunk room lamp.

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## TRUNK ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

NO >> Repair the harnesses or connectors.

# 3.CHECK TRUNK ROOM LAMP SHORT CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and trunk room lamp connector.
- 3. Check continuity between BCM harness connector and the ground.

В	CM		Continuity	
Connector	Connector Terminal		Continuity	
M120	30		Not existed	

# Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

#### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description INFOID:0000000006349939

Provides the power supply and the ground to control the push-button ignition switch illumination.

# Component Function Check

INFOID:0000000006349940

# ${f 1}$ .CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

## (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item.
- With operating the test items, check that the push-button ignition switch illumination turns ON/OFF.

On : Push-button ignition switch illumination ON

Off : Push-button ignition switch illumination OFF

### Does the push-button ignition switch illumination turn ON/OFF?

YES >> Push-button ignition switch illumination circuit is normal.

NO >> Refer to INL-115, "Diagnosis Procedure".

# Diagnosis Procedure

INFOID:000000000634994

# ${f 1}$ .CHECK ILLUMINATION CONTROL SWITCHING OPERATION

Turn the ignition switch ON.

With operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF. 2.

Condition	Push-button ignition switch illumination
<ul><li>Ignition switch ON</li><li>Lighting switch 1ST</li></ul>	ON
<ul><li>Ignition switch OFF</li><li>Lighting switch OFF</li><li>Driver door LOCK</li></ul>	OFF

## Does the push-button ignition switch illumination turn ON/OFF?

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

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# 2.check push-button ignition switch illumination ground circuit

- Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- Check continuity between BCM harness connector and the push-button ignition switch harness connector.

В	BCM		ignition switch	Continuity
Connector	Terminal	Connector Terminal		Continuity
M119	14	M50	2	Existed

#### Does the continuity exist?

YES >> Replace BCM. Refer to BCS-92, "Exploded View"

NO >> Repair the harness or the connector.

3.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

## (P)CONSULT-III ACTIVE TEST

- Turn the ignition switch ON.
- Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item. 2.
- With operating the test item, check voltage between BCM harness connector and the ground.

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**INL-115** Revision: 2011 October 2011 370Z

### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminals			Test item		
(+)		(–)	iest item	Voltage	
В	ВСМ		ENGINE SW	(Approx.)	
Connector	Terminal	Ground	ILLUMI		
M123	133	Giouna	ON	5 V	
101123	133		OFF	0 V	

#### Is the measurement value normal?

YES >> GO TO 4. NO >> GO TO 5.

# 4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- 3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

BCM P		Push-button ignition switch		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M123	133	M50	3	Existed	

#### Does the continuity exist?

YES >> Replace the push-button ignition switch.

NO >> Repair the harness or the connector.

# 5.check push-button ignition switch illumination power supply short circuit

- 1. Turn the ignition switch OFF.
- 2. Disconnect BCM connector and the push-button ignition switch connector.
- 3. Check continuity between BCM harness connector and the ground.

BCM			Continuity
Connector	Terminal	Ground	Continuity
M123	133		Not existed

#### Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM. Refer to BCS-92, "Exploded View"

## INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

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# SYMPTOM DIAGNOSIS

# INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

#### **CAUTION:**

Perform the self-diagnosis with CONSULT-III before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON.  Map lamp Cargo area courtesy light Trunk room lamp Vanity mirror lamp	Harness between BCM and each interior room lamp     BCM	Interior room lamp power supply circuit Refer to INL-109.
Interior room lamp does not turn ON even though the door is open.  (It turns ON when turning the interior room	Harness between BCM and each door switch	Door switch circuit Refer to DLK-284.
lamp ON.)  Interior room lamp does not turn OFF even though the door is closed.	<ul> <li>Harness between BCM and each interior room lamp</li> <li>BCM</li> </ul>	Interior room lamp control circuit Refer to INL-111.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	_	Check the interior room lamp setting. Refer to INL-70.
Trunk room lamp does not turn ON.	Harness between BCM and trunk room lamp switch	Trunk room lamp switch circuit Refer to <u>DLK-297</u> .
<ul><li>(The bulb is normal.)</li><li>Trunk room lamp does not turn OFF.</li></ul>	<ul><li>Harness between BCM and trunk room lamp</li><li>BCM</li></ul>	Trunk room lamp circuit Refer to INL-113.
Push-button ignition switch illumination does not illuminate.	Harness between BCM and push- button ignition switch     BCM	Push-button ignition switch illumination circuit Refer to INL-115.
Interior room lamp battery saver does not activate.	_	Check the interior room lamp battery saver setting. Refer to INL-71.

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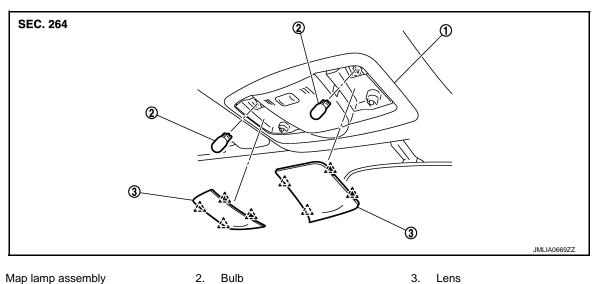
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# REMOVAL AND INSTALLATION

## MAP LAMP

Exploded View



^ : Pawl

Removal and Installation

INFOID:0000000006349944

Refer to INT-28, "Exploded View" for the map lamp assembly installation/removal.

Replacement

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- · Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

### MAP LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- 2. Remove the bulb.

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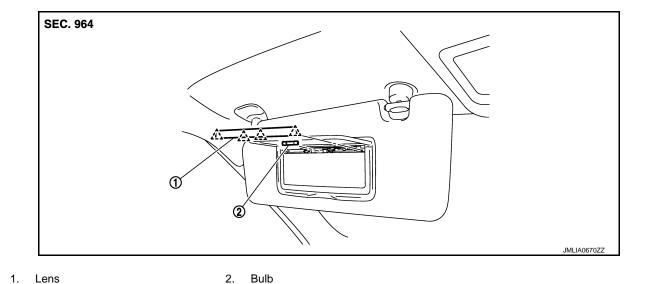
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# VANITY MIRROR LAMP

Exploded View



^ : Pawl

Replacement

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### VANITY MIRROR LAMP BULB

- 1. Insert any appropriate tool into the gap between the lens. Remove the lens.
- Remove the bulb.

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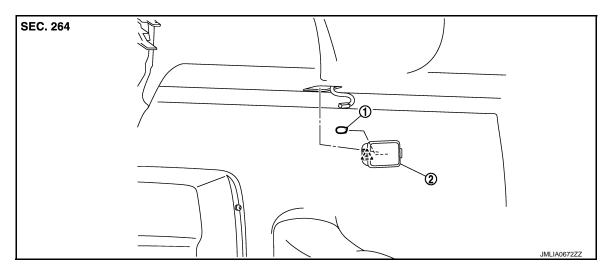
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INFOID:0000000006349949

# CARGO AREA COURTESY LIGHT

Exploded View





2. Cargo area courtesy light

#### Removal and Installation

# CAUTION:

Disconnect the battery negative terminal or remove the fuse.

#### **REMOVAL**

- Insert any appropriate tool into the gap between cargo area courtesy light and rear parcel shelf assembly. Remove cargo area courtesy light.
- 2. Disconnect the connector.

#### **INSTALLATION**

Install in the reverse order of removal.

Replacement INFOID.0000000006349950

### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- · Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### CARGO AREA COURTESY LIGHT BULB

- Remove cargo area courtesy light. Refer to INL-120, "Removal and Installation".
- 2. Remove the bulb.

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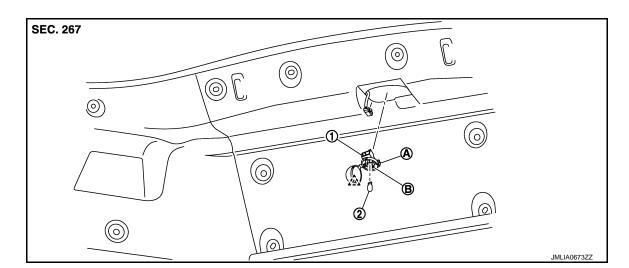
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# TRUNK ROOM LAMP

**Exploded View** 



Trunk room lamp

A : Lens fixing pawl

B : Trunk room lamp fixing pawl

^ : Pawl

Removal and Installation

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#### **CAUTION:**

Disconnect the battery negative terminal or remove the fuse.

Bulb

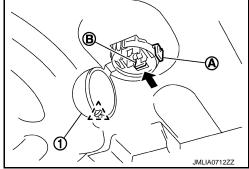
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#### REMOVAL

1. Disengage lens (1) fixing pawl (A) and open the lens.

- 2. Remove the bulb.
- Press trunk room lamp fixing pawl (B) toward the direction of the arrow and pull trunk room lamp down to remove it from the panel.
- Disconnect the connector and remove trunk room lamp.





### **INSTALLATION**

Install in the reverse order of removal.

Replacement

#### **CAUTION:**

- Disconnect the battery negative terminal or remove the fuse.
- Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.
- Never touch bulb by hand while it is lit or right after being turned off.
- Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.

#### TRUNK ROOM LAMP BULB

- 1. Disengage trunk room lamp lens fixing pawl with a remover tool and open the lens.
- Remove the bulb.

# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[ROADSTER]

# SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

# **Bulb Specifications**

INFOID:0000000006349954

Item	Туре	Wattage (W)
Push-button ignition switch illumination	LED	_
Map lamp	Wedge	8
Vanity mirror lamp	_	2
Trunk room lamp	Wedge	5
Cargo area courtesy light	Wedge	5