

SECTION **INL**

INTERIOR LIGHTING SYSTEM

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PRECAUTION

PRECAUTIONS

EXCEPT FOR MEXICO

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

INFOID:0000000011735280

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.

EXCEPT FOR MEXICO : Precaution for Battery Service

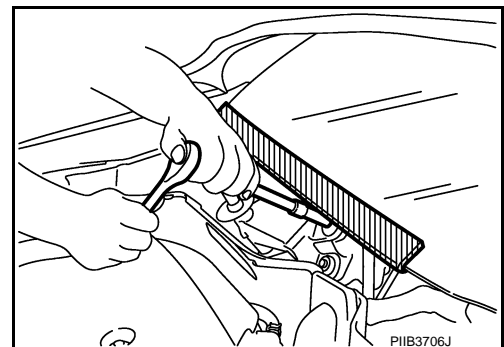
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Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers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

EXCEPT FOR MEXICO : Precaution for Procedure without Cowl Top Cover

INFOID:0000000012078940

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



PRECAUTIONS

< PRECAUTION >

[COUPE]

EXCEPT FOR MEXICO : Precautions For Xenon Headlamp Service

INFOID:000000011735282

WARNING:

Comply with the following warnings to prevent any serious accident.

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

CAUTION:

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

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

EXCEPT FOR MEXICO : Precautions for Removing Battery Terminal

INFOID:000000011735283

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

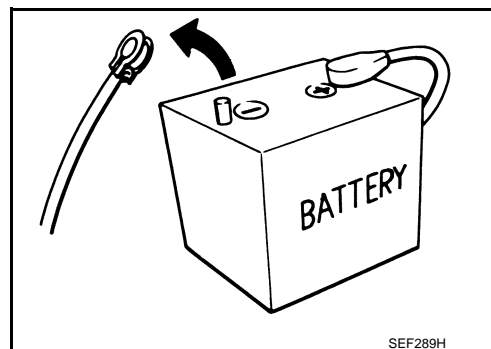
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



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FOR MEXICO

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

INFOID:000000011735284

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

PRECAUTIONS

< PRECAUTION >

[COUPE]

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 MEXICO : Precaution for Battery Service

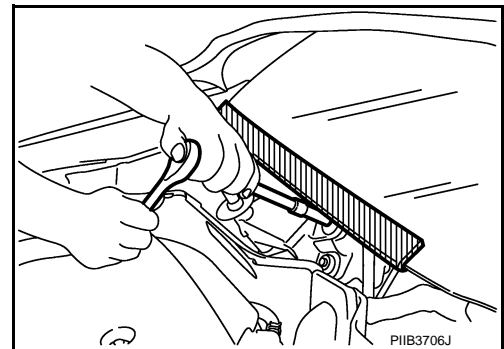
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Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers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

FOR MEXICO : Precaution for Procedure without Cowl Top Cover

INFOID:000000012078941

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



FOR MEXICO : Precautions For Xenon Headlamp Service

INFOID:000000011735286

WARNING:

Comply with the following warnings to prevent any serious accident.

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

CAUTION:

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

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

PRECAUTIONS

< PRECAUTION >

[COUPE]

FOR MEXICO : Precautions for Removing Battery Terminal

INFOID:0000000011735287

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

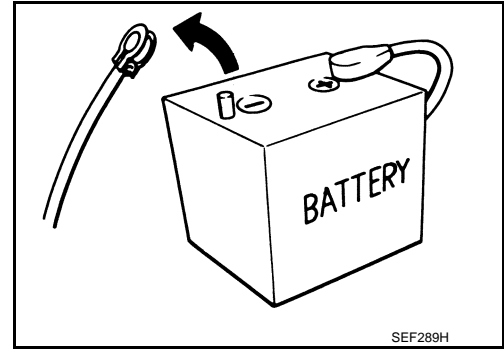
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



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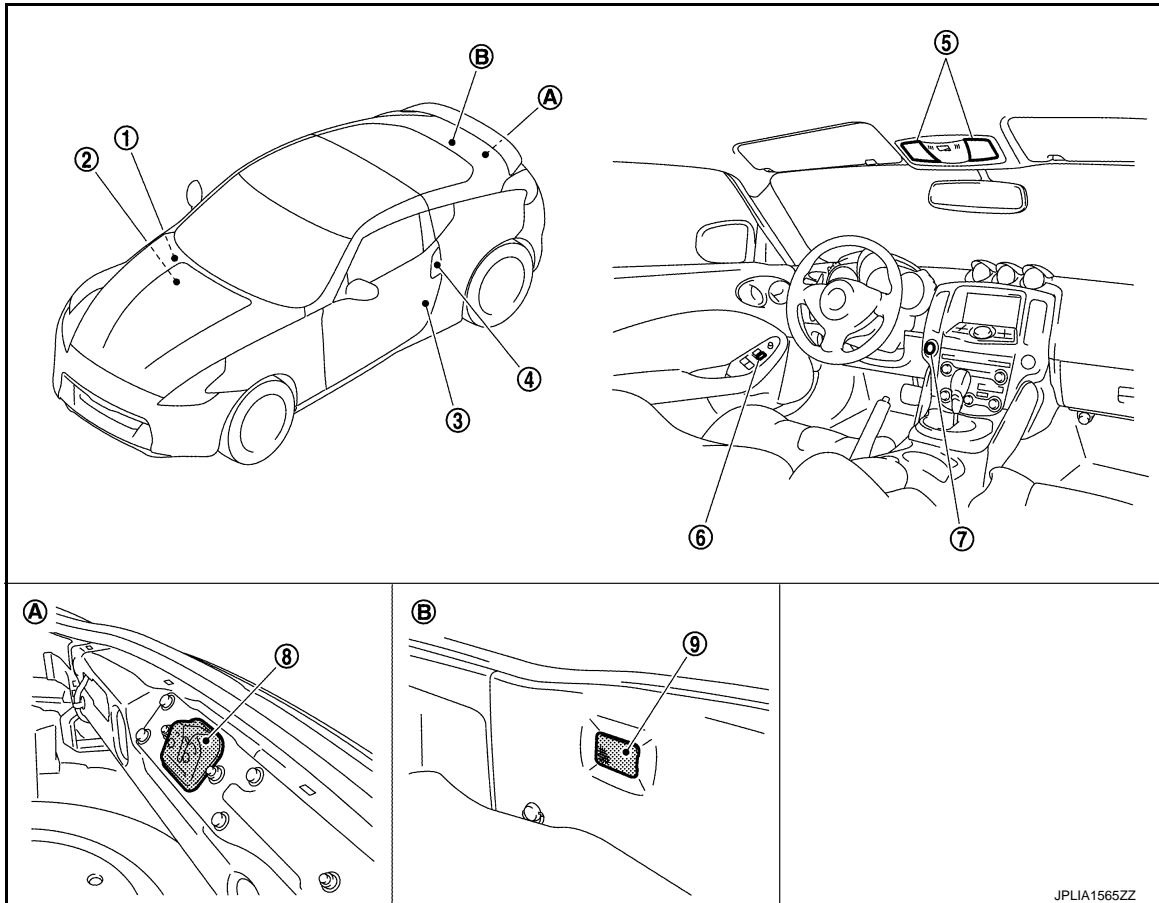
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000011735288



- | | | |
|--|---|--------------------------------|
| 1. Remote keyless entry receiver
Refer to DLK-21, "Remote Keyless Entry Receiver" . | 2. BCM
Refer to BCS-10, "Component Parts Location" . | 3. Door switch |
| 4. • Key cylinder switch
• Request switch | 5. Map lamp | 6. Door lock and unlock switch |
| 7. Push-button ignition switch
(Push-button ignition switch illumination) | 8. Back door switch | 9. Luggage room lamp |
| A. Back door lock assembly | B. Luggage room | |

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

INFOID:0000000011735289

Part	Description
BCM	<ul style="list-style-type: none"> Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF. Turns the luggage room lamp ON /OFF according to the luggage room lamp switch status.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

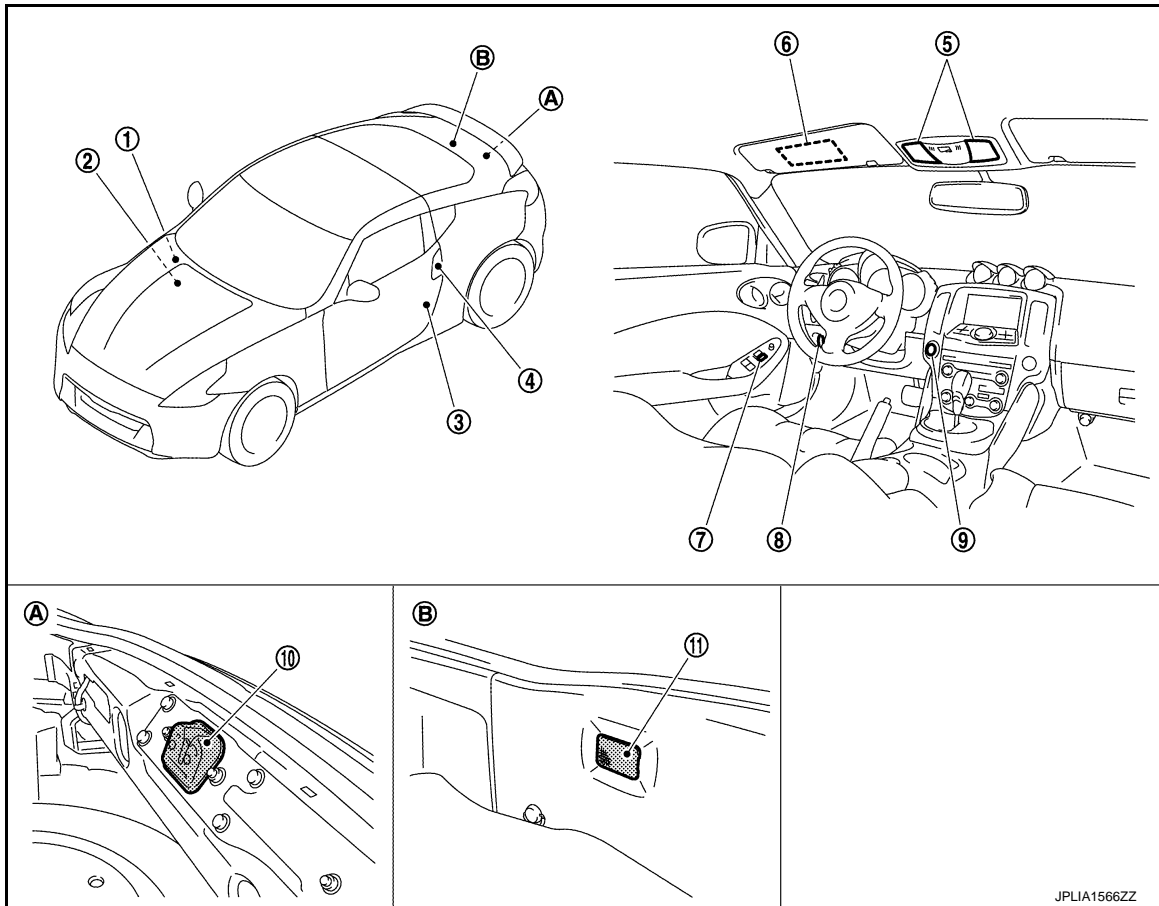
[COUPE]

Part	Description
<ul style="list-style-type: none"> Door lock and unlock switch Key cylinder switch 	Transmits a switch signal by power window switch serial link.
<ul style="list-style-type: none"> 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:000000011735290



- | | | |
|--|---|--------------------------------|
| 1. Remote keyless entry receiver
Refer to DLK-16, "POWER DOOR LOCK SYSTEM : Component Parts Location" . | 2. BCM
Refer to BCS-10, "Component Parts Location" . | 3. Door switch |
| 4. <ul style="list-style-type: none"> Key cylinder switch Request switch | 5. Map lamp | 6. Vanity mirror lamp |
| 7. Door lock and unlock switch | 8. Key slot | 9. Push-button ignition switch |
| 10. Back door switch | 11. Luggage room lamp | |
| A. Back door lock assembly | B. Luggage room | |

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

INFOID:000000011735291

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.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

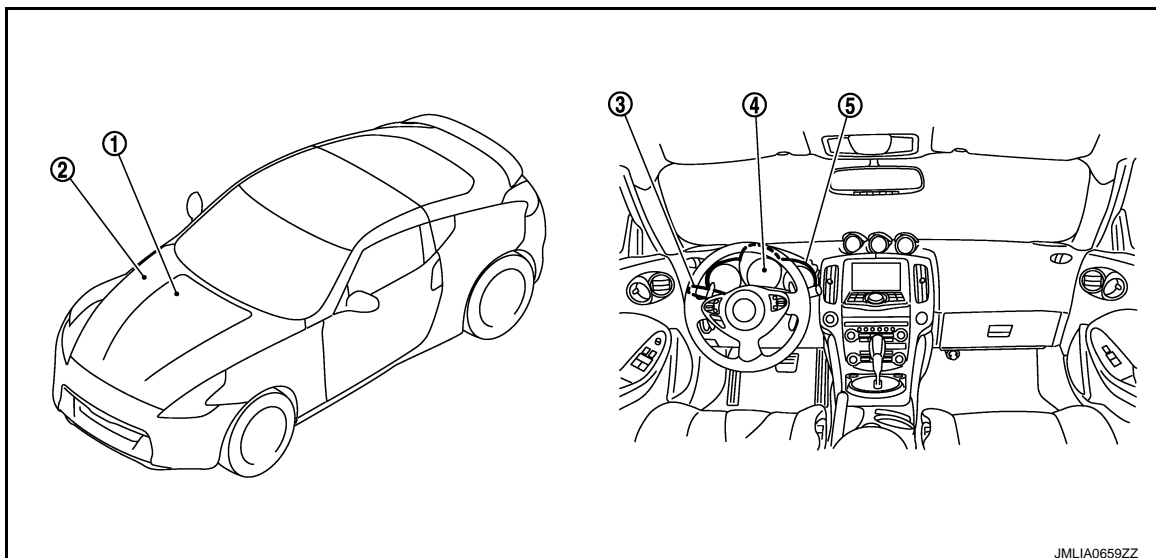
[COUPE]

Part	Description
<ul style="list-style-type: none"> Door lock and unlock switch Key cylinder switch 	Transmits a switch signal by power window switch serial link.
<ul style="list-style-type: none"> 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:0000000011735292



1. BCM
Refer to [BCS-10, "Component Parts Location"](#).
2. IPDM E/R
Refer to [PCS-5, "Component Parts Location"](#).
3. Combination switch
4. Combination meter
5. Illumination control switch

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000011735293

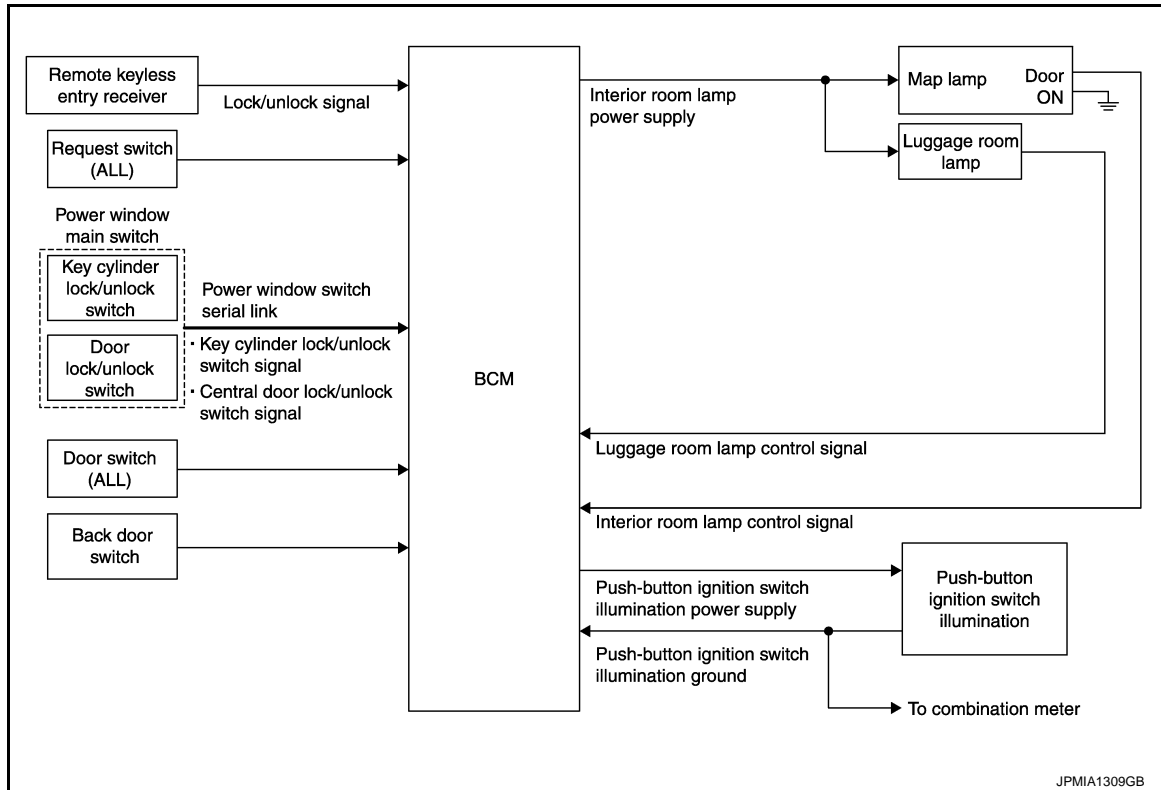
Part	Description
BCM	<ul style="list-style-type: none"> Detects each switch condition by the combination switch reading function. Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).
Combination meter	<ul style="list-style-type: none"> Enters in nighttime mode according to the request from BCM (with CAN communication). Controls the each illumination in the nighttime mode. Refer to MWI-24, "METER ILLUMINATION CONTROL : System Description" .
Combination switch (Lighting & turn signal switch)	Refer to BCS-11, "System Description" .

SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

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INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

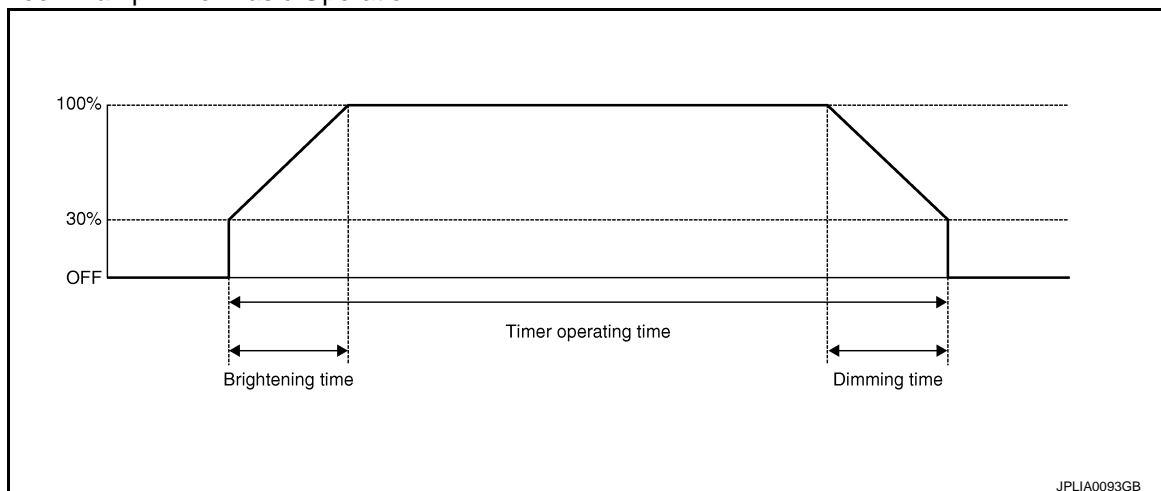
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OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
- *: Map lamp (when map lamp switch is in DOOR position).
- 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.

< SYSTEM DESCRIPTION >

- 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. Refer to [INL-17, "INT LAMP : CONSULT 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 turn 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

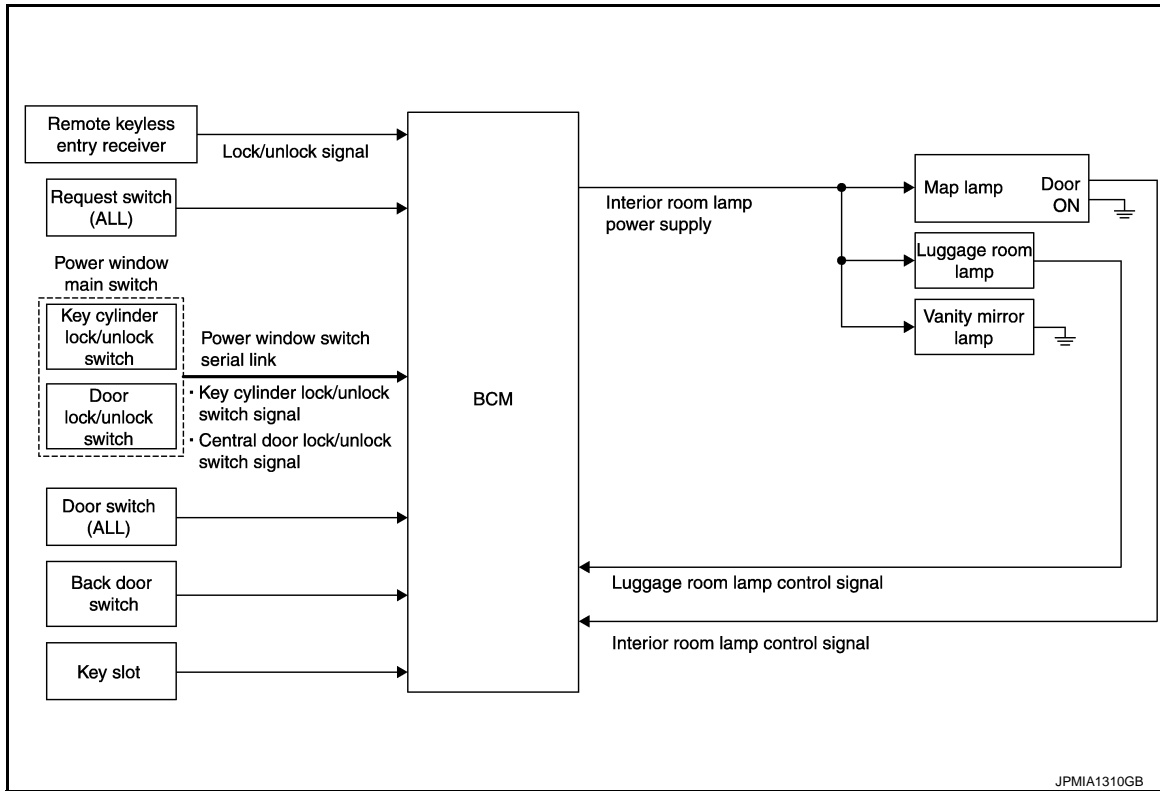
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- 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

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

INFOID:0000000011735296



INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000011735297

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. Refer to [INL-19, "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\) \(Coupe Models\)"](#).

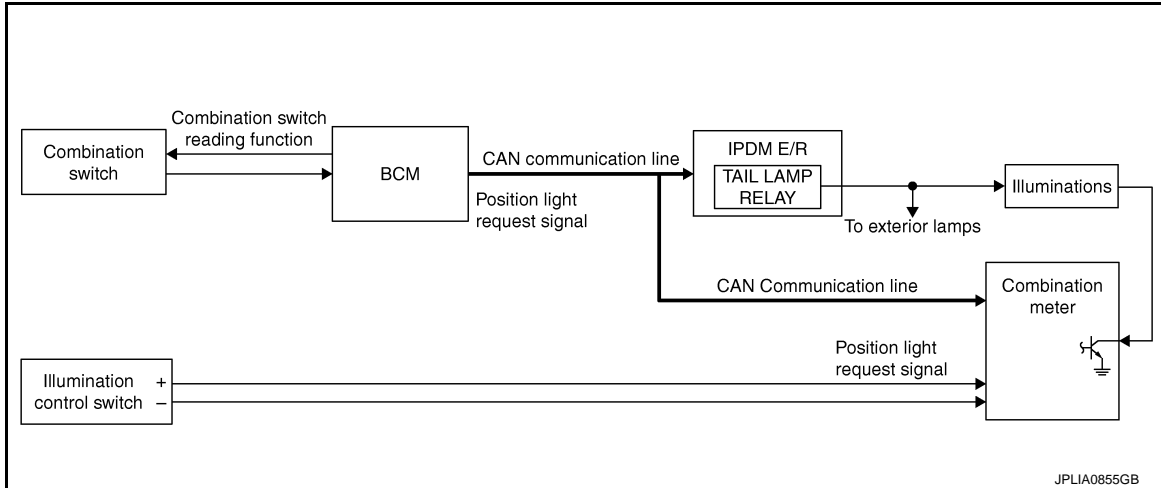
ILLUMINATION CONTROL SYSTEM

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ILLUMINATION CONTROL SYSTEM : System Diagram

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ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000011735299

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 [MWI-24, "METER ILLUMINATION CONTROL : System Description"](#).)

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 >

[COUPE]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000012103979

APPLICATION ITEM

CONSULT 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.
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 style="list-style-type: none"> Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

System	Sub system selection item	Diagnosis mode		
		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 style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS - 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:

*: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power supply position status of the moment a particular DTC is detected	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" (Except emergency stop operation)
	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"*
	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"*
	OFF		Power supply position is "OFF" (Ignition switch OFF)
	ACC		Power supply position is "ACC" (Ignition switch ACC)
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)
	CRANKING		Power supply position is "CRANKING" (At engine cranking)
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 	

NOTE:

*: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position (A/T models), and any of the following conditions are met.

- Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

INT LAMP

DIAGNOSIS SYSTEM (BCM)

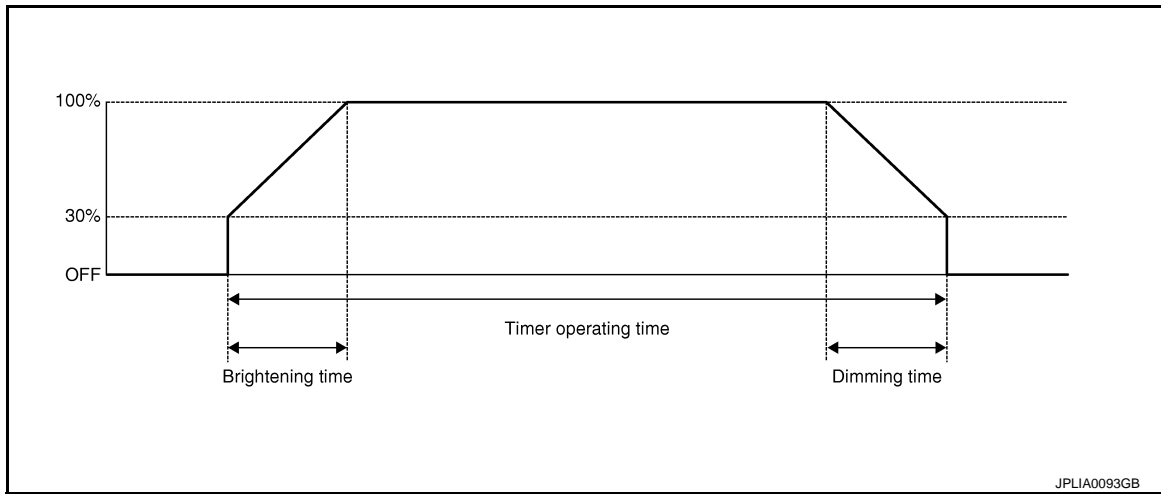
< SYSTEM DESCRIPTION >

[COUPE]

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

INFOID:0000000011735301

WORK SUPPORT



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

*: Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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)

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

Monitor item [Unit]	Description
REQ SW-RR [On/Off]	NOTE: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
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: The item is indicated, but not monitored.
DOOR SW-RL [On/Off]	
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: The item is displayed, but cannot be tested.
	Off	
LUGGAGE LAMP TEST	On	Outputs the luggage room lamp control signal to turn the luggage room lamp ON.
	Off	Stops the luggage room lamp control signal to turn the luggage room lamp OFF.

BATTERY SAVER

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

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

INFOID:0000000011735302

WORK SUPPORT

Service item	Setting item	Setting	
BATTERY SAVER SET	On*	With the exterior lamp battery saver function	
	Off	Without the exterior lamp battery saver function	
ROOM LAMP BAT SAV SET	On*	With the interior room lamp battery saver function	
	Off	Without the interior room lamp battery saver function	
ROOM LAMP TIMER SET	MODE 1	30 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 2	60 min.	
	MODE 3*	10 min.	

*: Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
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: The item is indicated, but not monitored.
DOOR SW-RL [On/Off]	
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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

Monitor item [Unit]	Description
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
BATTERY SAVER	Off	Cuts the interior room lamp power supply to turn interior room lamp OFF.
	On	Outputs the interior room lamp power supply to turn interior room lamp ON.*

*: Each lamp switch is in ON position.

ECU DIAGNOSIS INFORMATION

BCM, COMBINATION METER

List of ECU Reference

INFOID:0000000011735303

ECU	Reference
BCM	BCS-58, "Reference Value"
	BCS-97, "Fail-safe"
	BCS-98, "DTC Inspection Priority Chart"
	BCS-99, "DTC Index"
COMBINATION METER	MWI-57, "Reference Value"
	MWI-76, "Fail-Safe"
	MWI-77, "DTC Index"

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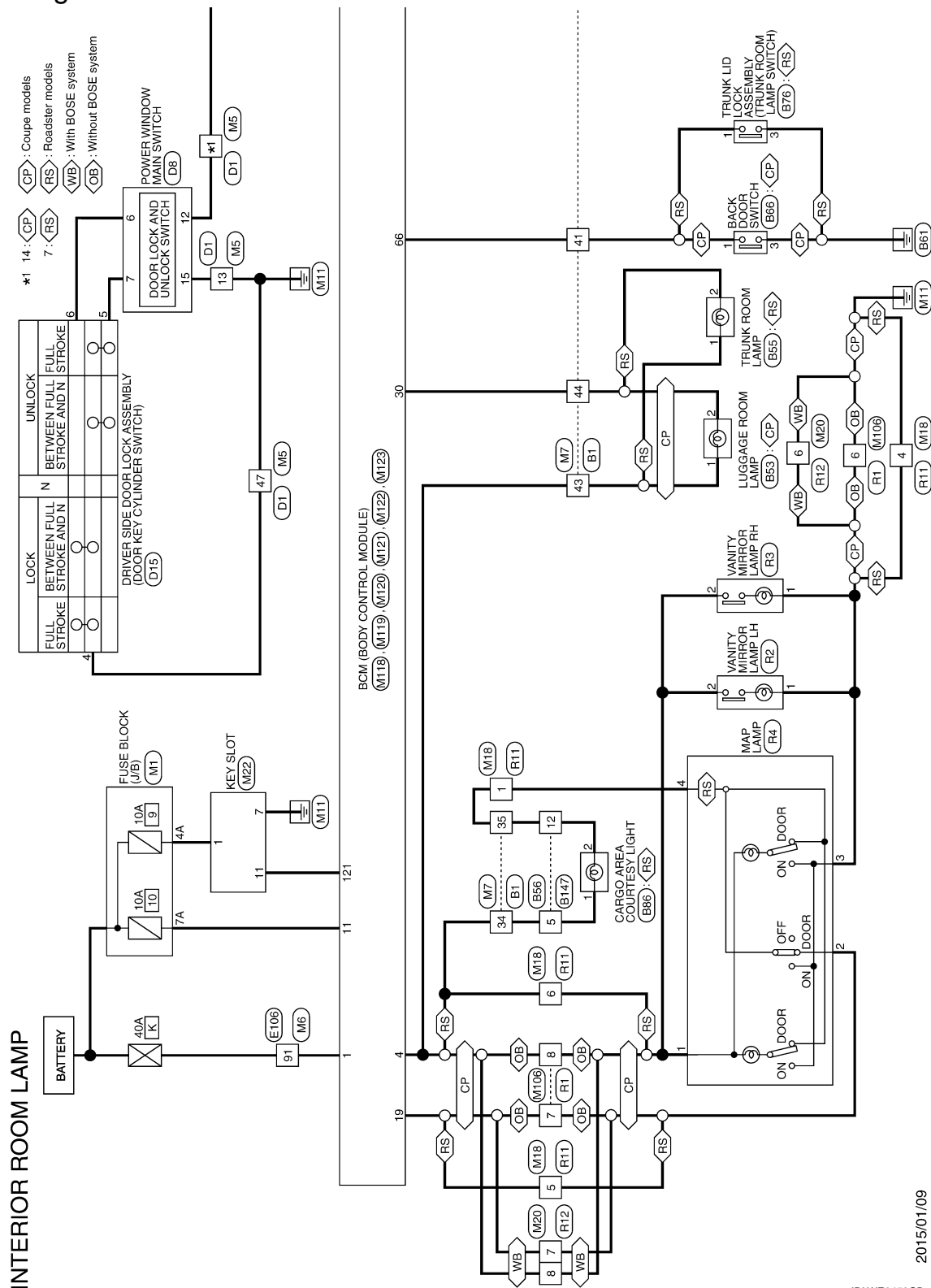
[COUPE]

WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:0000000011735304



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[COUPE]

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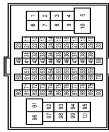
INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

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

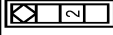


Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	Y	-
4	W	-
5	V	-
6	LG	-
7	GR	-
8	BR	-
9	SHIELD	-
10	SHIELD	-
11	V	-
12	W	-
13	BR	-
14	LG	-
15	B	-
16	V	-
17	R	-
18	B	-
19	B	-
20	SH	-
21	G	-
22	GR	-
23	V	-
24	BG	-
25	L	-
26	P	-
27	W	-
28	SHIELD	-
29	SHIELD	-
30	SHIELD	-
31	W	-
32	B	-
33	P	-
34	W	-
35	R	-
36	B	-
37	W	-
38	B	-
39	SH	-
40	SH	-

39	SH	-
40	Y	-
41	L	-
42	GR	-
43	BR	-
44	R	-
45	BG	-
46	SHIELD	-
47	V	-
48	SHIELD	-
49	V	-
50	W	-
51	L	-
52	R	-
53	P	-
54	G	-
55	R	-
56	SHIELD	-
57	SHIELD	-
58	SH	-
59	SH	-
60	SH	-
61	SH	-
62	SHIELD	-
63	BR	-
64	V	-
65	SHIELD	-
66	P	-
67	L	-
68	SHIELD	-
69	R	-
70	G	-
71	V	-
72	P	-
73	BR	-
74	GR	-
75	RG	-
76	Y	-
77	R	-
78	R	-
79	B	-
80	G	-
81	GR	-
82	B	-
83	GR	-
84	G	-
85	L	-
86	V	-
87	BR	-
88	GR	-
89	P	-
90	G	-

95	LG	-
96	L	-
97	Y	-
98	W	-
99	Y/B	-
100	B	-

Connector No.	B16
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-

Connector No.	B53
Connector Name	LUGGAGE ROOM LAMP
Connector Type	C02FGY



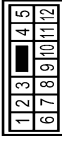
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B55
Connector Name	TRUNK ROOM LAMP
Connector Type	S02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B56
Connector Name	WIRE TO WIRE
Connector Type	HS12M4-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	-
5	R	-
9	V	-
10	LG	-
11	GR	-
12	B	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

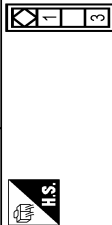
INTERIOR ROOM LAMP

Connector No.	B63
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	B	-

Connector No.	B66
Connector Name	BACK DOOR SWITCH
Connector Type	A03FW



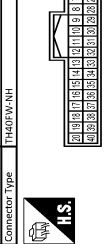
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	B	-

Connector No.	B76
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	NS03FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	LG	-
3	B	-

Connector No.	B81
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



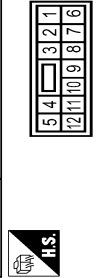
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	B	-
4	Y	-
5	GR	-
6	GR	-
7	GR	-
8	GR	-
9	GR	-
10	GR	-
11	GR	-
12	GR	-
13	GR	-
14	GR	-
15	GR	-
16	V	-
17	G	-
18	LG	-
19	V	-
20	L	-
21	P	-
22	RG	-
23	R	-

Connector No.	B86
Connector Name	CARGO AREA COURTESY LIGHT
Connector Type	S02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	B147
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-
3	V	-
4	LG	-
5	Y	-
6	GR	-
7	B	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	B	-
4	G	-
5	SHIELD	-
6	SHIELD	-
7	R	-
8	Y	-
9	BR	-
10	LG	-
11	R	-
12	G	-
13	G	-
14	R	-
15	R	-
16	R	-
17	R	-
18	R	-
19	R	-
20	R	-
21	R	-
22	R	-
23	R	-
24	R	-
25	R	-
26	R	-
27	R	-
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51	R	-
52	R	-
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54	R	-
55	R	-
56	R	-
57	R	-
58	R	-
59	R	-
60	R	-
61	R	-
62	R	-
63	R	-
64	R	-
65	R	-
66	R	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

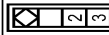
< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

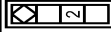
Terminal No.	Color Of Wire	Signal Name [Specification]
67	V	-
68	P	-
69	L	-
70	G	-
71	B	- [Reader models]
72	GR	- [Coupe models]
73	L	- [Reader models]
74	P	- [Coupe models]
75	P	- [Reader models]
76	B	-
77	W	-
78	LG	- [Reader models]
79	SB	- [Coupe models]
80	V	- [Reader models]
81	W	- [Reader models]
82	SHIELD	- [Coupe models]
83	LG	- [Reader models]
84	LG	- [Coupe models]
85	LG	- [Reader models]
86	W	- [Coupe models]
87	Y	- [Reader models]
88	W	- [Reader models]
89	G	- [Reader models]
90	BR	- [Reader models]
91	Y	- [Reader models]

Connector No.	Connector Name	Connector Type
B205	PASSENGER SIDE DOOR SWITCH	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	B	-

Connector No.	Connector Name	Connector Type
B216	PASSENGER SIDE DOOR SWITCH	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-

Connector No.	Connector Name	Connector Type
B301	WIRE TO WIRE	T400FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	-
5	L	-
6	P	-
8	O	-
9	Y	-
14	BR	-
15	BR	-
16	W	-
17	DG	-
24	V	-
25	LG	-
31	BG	-
32	P	-
34	O	-
35	SB	-

Connector No.	Connector Name	Connector Type
B303	SOFT TOP CONTROL UNIT	T400FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH)
3	DG	ROOF STRIKER SENSOR RH
4	W	ROOF STRIKER SENSOR LH
8	Y	REVERSE SIGNAL
9	SB	POWER CONDITION POWER WINDOW
10	O	ROOF STRIKER TO OPEN SIGNAL
11	SB	ROOF STRIKER TO CLOSE SIGNAL
12	SB	ROOF STRIKER TO OPEN SIGNAL
14	L	ROOF OPEN / CLOSE SWITCH (CLOSE)
15	LG	ROOF OPEN / CLOSE SWITCH (OPEN)
16	V	TRUNK ROOM LAMP SWITCH
17	RG	CAN-H
18	P	CAN-L
19	LG	LOCAL COMMUNICATION (POWER WINDOW)
20	V	LOCAL COMMUNICATION (BCM)
21	BR	SENSOR POWER SUPPLY (ROOF STRIKER SENSOR RH)
29	DG	GROUND
35	P	ROOF OPEN / CLOSE SWITCH (GND)

Connector No.	Connector Name	Connector Type
D1	WIRE TO WIRE	T400FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT
4	P	DOOR SWITCH (Reader models)
5	BS	EXTERIOR LOCK
6	GR	DOOR CYLINDER LOCK
7	V	DOOR KEY CYLINDER UNLOCK

Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	BG	-
11	P	- [With BOSE system]
11	V	- [Without BOSE system]
12	L	-
13	B	-
14	SB	- [Coupe models]
14	Y	- [Reader models]
15	W	-
19	Y	-
23	V/B	-
25	R	-
26	SHIELD	-
25	G	-
44	L	-
48	SB	-
49	W	-
50	LG	-
51	R	-
52	V	-
53	BG	-
54	GR	-
55	G	-

Connector No.	Connector Name	Connector Type
D8	POWER WINDOW MAIN SWITCH	NS1EFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT
4	P	DOOR SWITCH (Reader models)
5	BS	EXTERIOR LOCK
6	GR	DOOR CYLINDER LOCK
7	V	DOOR KEY CYLINDER UNLOCK

JRLWE8457GB

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

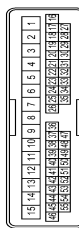
Connector No.	Color Of Wire	Signal Name [Specification]
8	L	UP
9	LG	ENCODER SIG 2
10	Y	IGN
11	BR	DOWN
12	SB	SERIAL LINK [Coupe models]
12	Y	SERIAL LINK [Roadster models]
13	R	ENCODER SIG 1
14	G	ENCODER GND
15	B	GND

Connector No.	Color Of Wire	Signal Name [Specification]
D15		
DRIVER SIDE DOOR LOCK ASSEMBLY		
50	Y	
51	Y	
52	G	
53	BG	
54	GR	
55	L	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	SB	-
4	B	-
5	V	-
6	GR	-

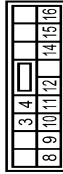
Connector No.	Color Of Wire	Signal Name [Specification]
D31		
WIRE TO WIRE		
TH40PW-CS15		



Terminal No.	Color Of Wire	Signal Name [Specification]
9	SHIELD	-
10	V	-
11	LG	-

Connector No.	Color Of Wire	Signal Name [Specification]
12	LG	- [Without BOSE system]
12	P	- [With BOSE system]
13	L	- [Without BOSE system]
13	V	- [With BOSE system]
14	B	-
15	W	-
19	Y	-
23	Y/B	-
25	R	-
26	SHIELD	-
35	G	-
44	L	-
50	Y	-
51	Y	-
52	G	-
53	BG	-
54	GR	-
55	L	-

Connector No.	Color Of Wire	Signal Name [Specification]
D38		
POWER WINDOW SUB-SWITCH		
NS16PW-CS		



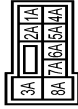
Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	ENCODER GND
4	BG	ENCODER PWR
8	L	UP
9	BR	DOWN
10	W	BAT
11	B	GND
12	R	ENCODER SIG 1
14	Y	DOOR SWITCH [Roadster models]
15	LG	ENCODER SIG 2
16	Y	SERIAL LINK

Connector No.	Color Of Wire	Signal Name [Specification]
E106		
WIRE TO WIRE		
TH80PW-CS16-TM4		



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	V	-
12	R	-
14	GR	-
15	P	-
16	W	-
17	SB	-
20	LG	-
21	G	- [Coupe models]
21	BR	- [Roadster models]
31	L	-
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	GR	- [Except for roadster models with M/T]
44	R	- [Roadster models with M/T]
45	BG	-
46	W	-
47	P	-
58	SHIELD	-
59	L	-
70	P	-
80	W	-
81	P	-

Connector No.	Color Of Wire	Signal Name [Specification]
M1		
FUSE BLOCK (J/B)		
NS05FW-M2		



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	BR	-
8A	L	-

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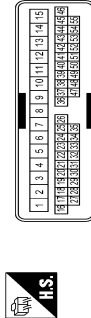
INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315



Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	V	-
11	Y	-
12	BR	- [Without active noise control]
13	BR	- [With active noise control]
14	B	- [Without active noise control]
15	B	- [With active noise control]
16	W	-
17	W	-
18	W	-
19	Y	-
20	V/B	-
21	Y	-
22	SHIELD	-
23	BR	-
24	L	-
25	B	-
26	SHIELD	-
27	Y	-
28	SHIELD	-
29	Y	-
30	W	-
31	R	-
32	L	-
33	G	-
34	SHIELD	-
35	SHIELD	-
36	SHIELD	-
37	SHIELD	-
38	SHIELD	-
39	SHIELD	-
40	SHIELD	-
41	SHIELD	-
42	SHIELD	-
43	SHIELD	-
44	SHIELD	-
45	SHIELD	-
46	SHIELD	-
47	SHIELD	-
48	SHIELD	-
49	SHIELD	-
50	SHIELD	-
51	SHIELD	-
52	SHIELD	-
53	SHIELD	-
54	SHIELD	-
55	SHIELD	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	L	-
4	L	-
5	L	-
6	L	-
7	B	-
8	P	-
9	B	-
10	GR	-
11	R	-
12	R	-
13	G	-
14	G	-
15	P	-
16	W	-
17	BR	-
18	BR	-
19	R	-
20	BR	-
21	BR	-
22	V	-
23	V	-
24	V	-
25	V	-
26	V	-
27	V	-
28	V	-
29	V	-
30	V	-
31	V	-
32	V	-
33	V	-
34	V	-
35	V	-
36	V	-
37	V	-
38	V	-
39	V	-
40	V	-
41	V	-
42	V	-
43	V	-
44	V	-
45	V	-
46	V	-
47	V	-
48	V	-
49	V	-
50	V	-
51	V	-
52	V	-
53	V	-
54	V	-
55	V	-

83	V	-	-	-
84	L	-	-	-
85	BR	-	-	-
86	Y	-	-	-
87	G	-	-	-
88	P	-	-	-
89	W	-	-	-
90	P	-	-	-
91	P	-	-	-
92	P	-	-	-
93	P	-	-	-
94	Y	-	-	-
95	P	-	-	-
96	O	-	-	-
97	W	-	-	-
98	R	-	-	-
99	R	-	-	-
100	R	-	-	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	O	-
5	V	-
6	V	-
7	LG	-
8	SR	-
9	GR	-
10	Y	-
11	Y	-
12	V	-
13	BR	-
14	V	-
15	B	-
16	V	-
17	R	-
18	L	-
19	SR	-
20	GR	-
21	GR	-
22	V	-
23	V	-

24	R	-	-	-
25	L	-	-	-
26	P	-	-	-
27	B	-	-	-
28	SHIELD	-	-	-
29	SHIELD	-	-	-
30	SHIELD	-	-	-
31	W	-	-	-
32	B	-	-	-
33	W	-	-	-
34	R	-	-	-
35	B	-	-	-
36	L	-	-	-
37	SR	-	-	-
38	SR	-	-	-
39	SR	-	-	-
40	L	-	-	-
41	R	-	-	-
42	GR	-	-	-
43	R	-	-	-
44	R	-	-	-
45	O	-	-	-
46	SHIELD	-	-	-
47	SHIELD	-	-	-
48	SHIELD	-	-	-
49	V	-	-	-
50	V	-	-	-
51	V	-	-	-
52	L	-	-	-
53	P	-	-	-
54	G	-	-	-
55	R	-	-	-
56	SHIELD	-	-	-
57	SHIELD	-	-	-
58	B	-	-	-
59	L	-	-	-
60	L	-	-	-
61	R	-	-	-
62	SHIELD	-	-	-
63	R	-	-	-
64	G	-	-	-
65	SHIELD	-	-	-
66	LG	-	-	-
67	V	-	-	-
68	SHIELD	-	-	-
69	L	-	-	-
70	P	-	-	-
71	V	-	-	-
72	V	-	-	-
73	BR	-	-	-
74	GR	-	-	-

INTERIOR ROOM LAMP CONTROL SYSTEM

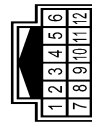
< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

Connector No.	Wire	Signal Name [Specification]
75	O	-
80	Y	-
81	W	-
82	BR	-
83	GR	-
84	L	-
85	LG	-
86	V	-
87	BR	-
88	SB	-
93	Y	-
94	L	-
95	W	-
96	L	-
97	LG	-
97	Y	- [Coupe models]
98	B5	- [Roadster models]
98	Y78	- [Coupe models]
99	W	- [Roadster models]
100	B	-

Connector No.	Wire	Signal Name [Specification]
M18	WIRE TO WIRE	-
TH12MW-NH	-	-



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	R	-
4	B	-
5	P	-
6	R	-
7	SHIELD	-
8	R	-
9	G	-
10	B	-
11	G	-
12	Y	-

Connector No.	Wire	Signal Name [Specification]
M20	WIRE TO WIRE	-
TH24MW-NH	-	-



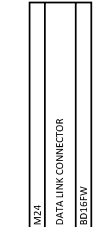
Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
10	SB	-
11	SB	-
12	SB	-
12	B	-
13	G	-
17	V	-
18	SHIELD	-
19	R	-
20	G	-
22	V	-
23	V	-
24	V	-

Connector No.	Wire	Signal Name [Specification]
M22	KEY SLOT	-
TH12FW-NH	-	-



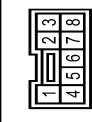
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	BAT
2	GR	CLOCK
3	W	DATA

Connector No.	Wire	Signal Name [Specification]
M24	DATA LINK CONNECTOR	-
BD16FW	-	-



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Coupe models]
3	Y	- [Roadster models]
4	Y	-
5	B	-
6	L	-
7	V	-
8	R	-
11	LG	- [Roadster models]
11	Y	- [Coupe models]
14	P	-
16	Y	-

Connector No.	Wire	Signal Name [Specification]
M50	PUSH-BUTTON IGNITION SWITCH	-
TK08-FR	-	-



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-

Connector No.	Wire	Signal Name [Specification]
M105	WIRE TO WIRE	-
TH16MW-NH	-	-



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	R	-
7	P	-
8	R	-
11	B	-
12	G	-
13	Y	-
14	SHIELD	-
15	R	-
16	G	-

Connector No.	Wire	Signal Name [Specification]
M117	WIRE TO WIRE	-
TH80MW-CS16-TM4	-	-



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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	B	-
4	W	-
6	SHIELD	-
7	LG	- [Coupe models]
7	Y	- [Roadster models]
8	BR	- [Coupe models]
8	LG	- [Roadster models]
9	Y	-
11	R	-
12	G	-
22	R	-
30	B	-
40	O	-
41	Y	-
42	G	-
43	L	-
44	SH	-
51	G	-
52	G	-
53	SHIELD	-
54	LG	-
55	V	-
56	SHIELD	-
57	G	- [Coupe models]
57	P	- [Roadster models]
58	L	- [Coupe models]
58	R	- [Roadster models]
59	B	-
60	W	-
61	GR	-
62	B	-
63	Y	-
64	L	-
65	G	-
66	O	-
67	V	-
68	P	-
69	L	-
70	L	-
71	B	-
72	B	-
73	B	-
74	B	-
75	B	-
76	B	-
77	B	-
92	G	- [Coupe models]

92	LG	- [Roadster models]
93	R	- [Coupe models]
93	V	- [Roadster models]
94	G	- [Roadster models]
94	SHIELD	- [Coupe models]
95	LG	- [Roadster models]
95	SH	- [Coupe models]
97	LG	- [Roadster models]
97	Y	- [Coupe models]
98	V	- [Roadster models]
98	Y/R	- [Coupe models]
99	G	-
100	BR	- [Coupe models]
100	Y	- [Roadster models]

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FPLC



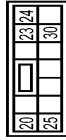
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

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



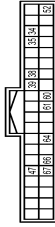
Terminal No.	Color Of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GROUND
14	R	PUSH-BUTTON IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	L	BACK DOOR OPEN OUTPUT [Coupe models]
23	Y	TRUNK LID OPEN OUTPUT [Roadster models]
24	O	REAR FOG OUTPUT
25	LG	TURN SIGNAL LH (REAR)
30	R	LUGGAGE/TRUNK ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FENH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	G	LUGGAGE/TRUNK ROOM ANT-
35	R	LUGGAGE/TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
47	V	IGN PELAT (POWER) CONT
52	SH	STARTER RELAY CONT
60	BR	BACK DOOR TRUNK LID DOOR REQUEST SW
64	G	BACK DOOR TRUNK LID DOOR REQUEST SW
64	G	BACK DOOR TRUNK LID DOOR REQUEST SW
66	R	BACK DOOR TRUNK LID DOOR REQUEST SW
67	GR	BACK DOOR TRUNK LID DOOR REQUEST SW

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FENH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	L	ROOM ANT 2-
73	P	ROOM ANT 2+
74	SH	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	L	ROOM ANT 1-
79	R	ROOM ANT 1+
80	GR	NATS ANT AMP

JRLWE8461GB

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[COUPE]

INTERIOR ROOM LAMP

Connector No.	W	NATS ANT AMP.
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/R) CONT
83	GR	KEYS ENT RECEIVER (FRONT) COMA
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	V	ON IND
95	O	ACC RELAY CONT
96	Y	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P/CLUTCH PEDAL POS SW
100	GR	PASSENGER DOOR REQUEST SW
101	Y	DRIVER DOOR REQUEST SW
102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYS ENT RECEIVER (FRONT) PWM SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	P	HAZARD SW

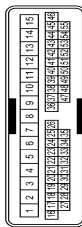
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T1H4DFG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	-
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	R	KEY SLOT SW
123	W	IGN F/R
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFROGGER SW
132	V	P/W SW & SFT TOP L/O COMA (Roadster models)
132	Y	POWER WINDOW SW COMA (Coupe models)
133	G	PUSH BUTTON IGNITION SW (LT POWER)

Terminal No.	Color Of Wire	Signal Name [Specification]
134	GR	LOCK IND
137	P	RECEIVER & SENSOR POWER SUPPLY
138	V	RECEIVER & SENSOR RECEIV COMM
139	L	THRE PRESS RECEIV COMM
140	G	P/N POSITION
141	Y	SECURITY INDICATOR
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	T1H4DMW-S315



Terminal No.	Color Of Wire	Signal Name [Specification]
9	SHIELD	-
10	G	-
11	V	-
12	LG	- [Without active noise control unit]
12	Y	- [With active noise control unit]
13	BR	- [With active noise control]
13	V	- [Without active noise control]
14	B	-
15	W	-
19	Y	-
23	Y/B	-
25	W	-
26	SHIELD	-
35	B	-
44	O	-
50	Y	-
51	Y	-
52	GR	-
53	W	-
54	G	-
55	R	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	T1H16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
11	B	-
12	Y	-
13	G	-
14	SHIELD	-
15	L	-
16	G	-

Connector No.	R2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MC402FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	R3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MC402FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	T106FSY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	V	-
3	B	-
4	SB	-
5	Y	-
6	GR	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

[COUPE]

< WIRING DIAGRAM >

INTERIOR ROOM LAMP

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



6	5	4	3	2	1
12	11	10	9	8	7

15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-

Terminal No.	Color Cf	Wire	Signal Name [Specification]
1	SB	-	-
2	B	-	-
3	R	-	-
4	B	-	-
5	Y	-	-
6	Y	-	-
7	SHIELD	-	-
8	G	-	-
9	G	-	-
10	B	-	-
11	G	-	-
12	Y	-	-

Connector No.	R12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



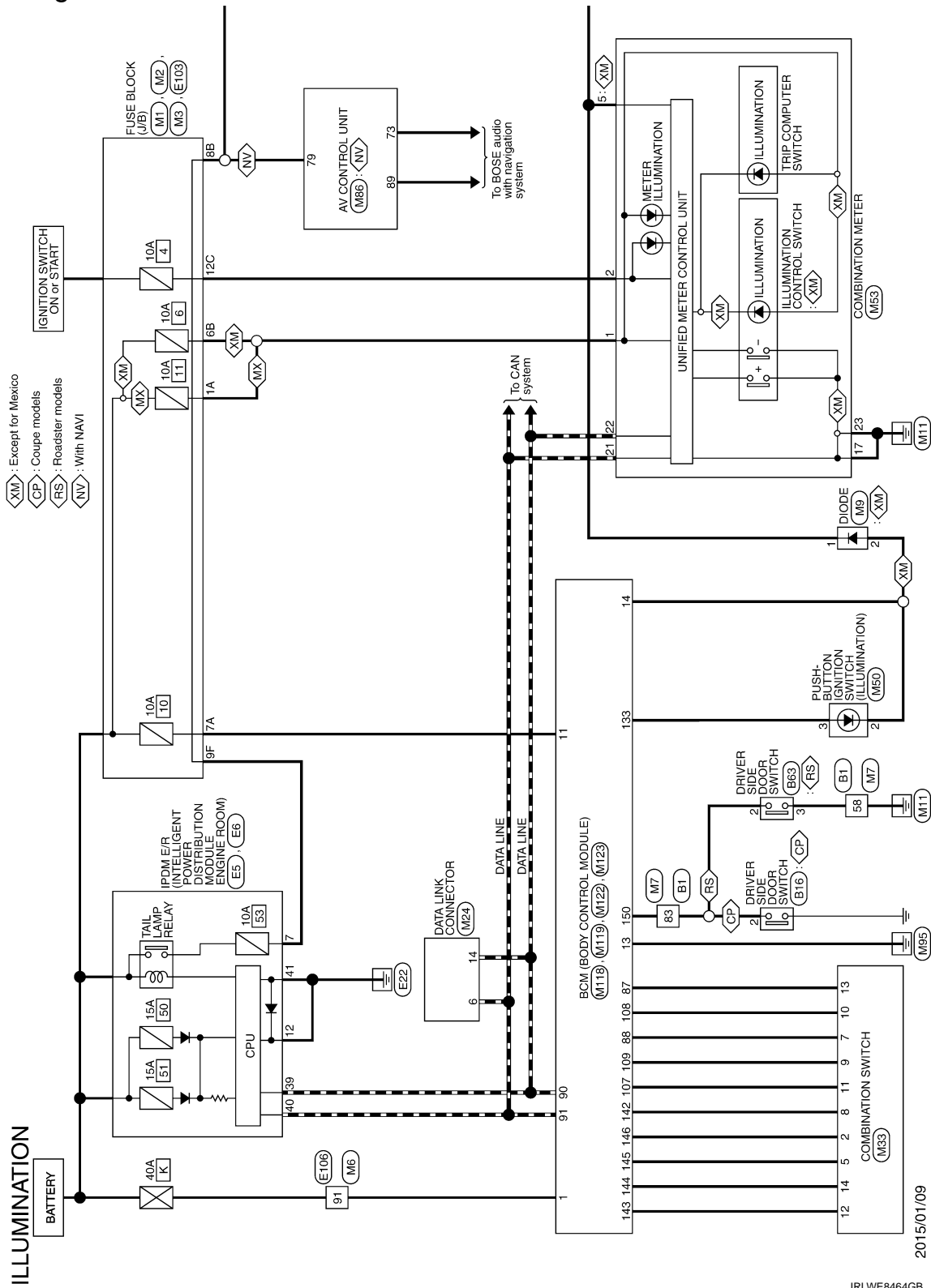
12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color Cf	Wire	Signal Name [Specification]
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-

ILLUMINATION

Wiring Diagram

INFOID:000000011735305

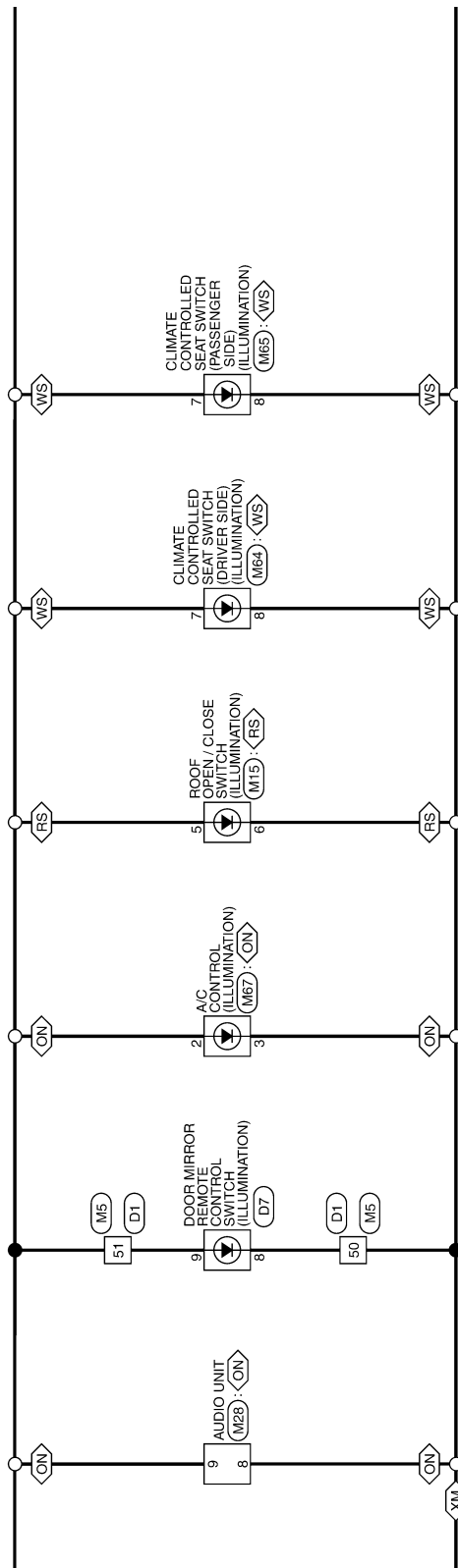


ILLUMINATION

< WIRING DIAGRAM >

[COUPE]

WB : With BOSE system
 OB : Without BOSE system
 ON : Without NAVI
 WS : With climate controlled seat



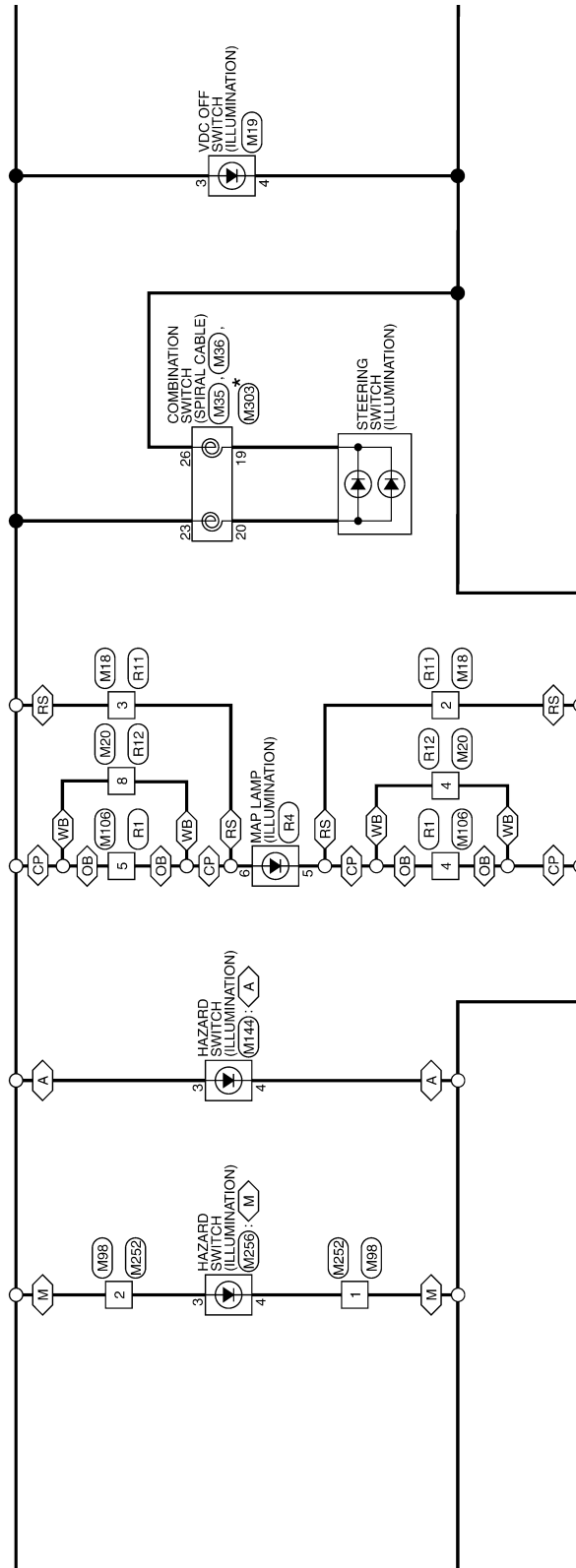
JRLWE8465GB

ILLUMINATION

< WIRING DIAGRAM >

[COUPE]

A : With A/T
M : With M/T



*: This connector is not shown in "Harness Layout".

JRLWE8466GB

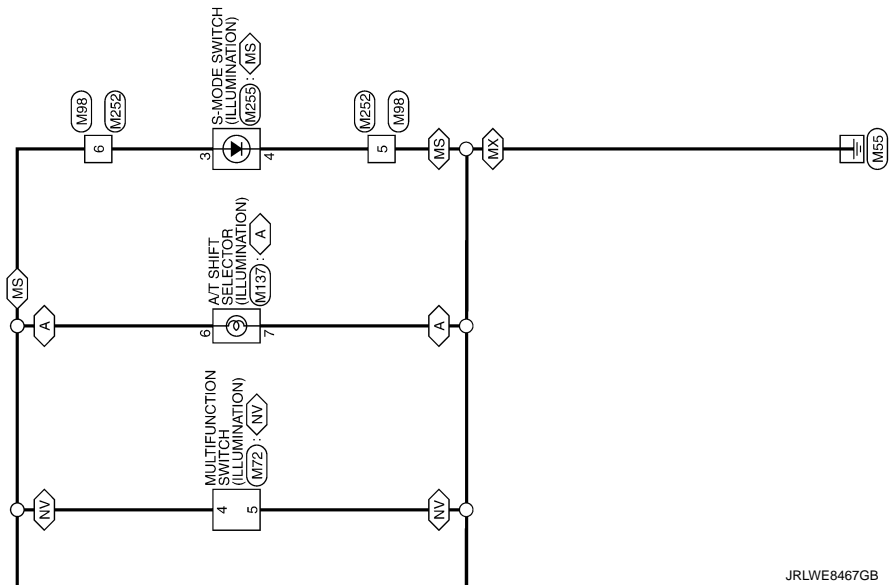
A
B
C
D
E
F
G
H
I
J
K
INL
M
N
O
P

ILLUMINATION

< WIRING DIAGRAM >

[COUPE]

<MX> : For Mexico
 <MS> : With M/T and SynchroRev Match mode



JRLWE8467GB

ILLUMINATION

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C316-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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ILLUMINATION

< WIRING DIAGRAM >

[COUPE]

ILLUMINATION

Connector No.	07
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	LG	-
9	R	-
10	Y	-
12	G	-
13	GR	-
14	BW	-
15	BG	-
16	BR	-



Connector No.	E5
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ROOM)
Connector Type	TH20FW CS12-M42-1V



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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28	L	-
30	GR	-
36	G	-



Connector No.	E5
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ROOM)
Connector Type	TH08FW-NH



42	41	40	39
46	45	44	43

Terminal No.	Color Of Wire	Signal Name [Specification]
29	P	-
40	-	-
41	BW	-
42	V	-
43	S8	-
44	W	-
45	G	-
46	V	-



Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



3F	4F	1F	2F	9F	0F
----	----	----	----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
11F	W	-
1F	S8	-
2F	W	-
4F	G	-
6F	RS	-
8F	L	-
9F	R	-

9F	V	-
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Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH8BFW-CS16-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	b	-
7	P	-
8	P	-
9	B	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	S8	-
20	LG	-
21	BR	-
21	G	-
31	L	-
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	S8	-
43	G	-
44	GR	-
44	R	-
45	BG	-
46	W	-
46	W	-
58	SHIELD	-
59	L	-

70	P	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	R	-
89	P	-
91	W	-
92	L	-
93	G	-
94	Y	-
96	Y	-
98	GR	-
99	LG	-
100	BG	-



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



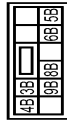
3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	BR	-
8A	L	-

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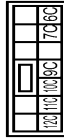
ILLUMINATION

Connector No.	M2
Connector Name	FUSE BLOCK (I/B)
Connector Type	NS10PW-CS



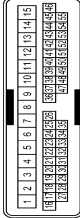
Terminal No.	Color Of Wire	Signal Name [Specification]
3B	P	-
4B	G	-
5B	O	-
6B	Y	-
8B	R	-
9B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (I/B)
Connector Type	NS12PW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	LG	-
12C	O	-
6C	R	-
7C	B	-
9C	O	- [Roadster models]
9C	R	- [Coupe models]

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	V	-
11	V	- [Without active noise control]
12	BR	- [With active noise control]
13	B	- [Without active noise control]
14	V	-
15	W	-
16	W	-
17	Y	-
19	Y	-
23	Y/O	-
25	Y	-
26	SHIELD	-
35	BR	-
44	L	-
47	B	-
48	SB	-
49	Y	-
50	W	-
51	R	-
52	L	-
53	W	-
54	G	-
55	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1F-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	GR	-
12	R	-
13	G	-
14	G	-
15	P	-
16	W	-
17	BR	-
20	GR	-
21	R	-
31	BR	-
32	V	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	W	-
41	LG	-
42	R	-
43	G	-
44	G	-
44	R	- [With A/T]
45	O	- [With M/T]
46	G	-
47	BR	-
58	SHIELD	-
59	L	-
70	R	-
80	LG	-
81	GR	-
82	V	-

83	V	-
84	L	-
85	BR	-
86	Y	-
87	G	-
89	P	-
91	W	-
92	P	-
93	P	-
94	Y	-
95	P	-
98	O	-
99	W	-
100	R	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1F-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	O	-
6	V	-
7	LG	-
8	SB	-
9	GR	-
11	Y	-
12	V	-
13	BR	-
14	V	-
15	B	-
16	V	-
17	R	-
18	L	-
20	SB	-
21	G	-
22	GR	-
23	V	-

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ILLUMINATION

24	R	-	-
25	L	-	-
26	P	-	-
27	B	-	-
28	SHIELD	-	-
31	W	-	-
32	B	-	-
33	W	-	-
34	R	-	-
35	B	-	-
36	L	-	-
37	SB	-	-
38	SB	-	-
39	SB	-	-
40	L	-	-
41	R	-	- [Coupe models] - [Roadster models]
42	GR	-	- [Coupe models] - [Roadster models]
43	R	-	-
44	R	-	-
45	R	-	-
46	G	-	- [Roadster models]
47	SHIELD	-	- [Coupe models] - [Roadster models]
48	SHIELD	-	- [Coupe models] - [Roadster models]
49	V	-	- [Coupe models]
51	V	-	-
52	L	-	- [Coupe models] - [Roadster models]
53	P	-	-
54	G	-	-
55	R	-	-
57	SHIELD	-	-
58	B	-	-
60	L	-	-
61	R	-	-
62	SHIELD	-	-
63	R	-	-
64	G	-	-
65	SHIELD	-	-
66	LG	-	-
67	V	-	-
68	SHIELD	-	-
69	L	-	-
70	P	-	-
71	V	-	-
72	Y	-	-
73	BR	-	-
74	GR	-	-

75	O	-	-
80	Y	-	-
81	W	-	-
82	BR	-	-
83	GR	-	-
84	L	-	-
85	LG	-	-
86	V	-	-
87	BR	-	-
88	SB	-	-
93	Y	-	-
94	L	-	-
95	W	-	-
96	L	-	-
97	LG	-	-
98	Y	-	- [Coupe models] - [Roadster models]
99	BR	-	- [Coupe models] - [Roadster models]
100	B	-	-

Connector No.	M9
Connector Name	DIODE
Connector Type	24335, C9900



Connector No.	M15
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	700FW-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	V	-
4	BR	-
5	R	-
6	R	-

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	7H12MM-4H



Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	700FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	R	-
4	W	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	7H2MM-4H

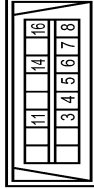


Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
10	SB	-
11	SB	-
12	SB	-
15	B	-
16	G	-
17	Y	-
18	SHIELD	-
19	R	-
20	G	-
21	V	-
23	V	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	R	-
4	B	-
5	P	-
6	R	-
7	SHIELD	-
8	R	-
9	G	-
10	B	-
11	G	-
12	Y	-

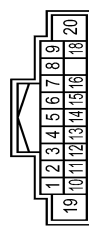
ILLUMINATION

24	V	-
Connector No.	M24	
Connector Name	DATA LINK CONNECTOR	
Connector Type	BD16FW	



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Coupe models]
4	B	- [Roadster models]
5	B	-
6	Y	-
7	Y	-
8	G	-
11	LG	- [Roadster models]
14	Y	- [Coupe models]
16	Y	-

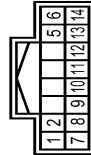
Connector No.	M28	
Connector Name	AUDIO UNIT	
Connector Type	TH18FW-CS2	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BOSE AMP. ON SIGNAL
2	LG	SOUND SIGNAL FRONT SPEAKER LH (+) [With active noise control]
3	V	SOUND SIGNAL FRONT SPEAKER LH (-)
4	L	SOUND SIGNAL REAR SPEAKER LH (+)
5	R	SOUND SIGNAL REAR SPEAKER LH (-)

6	W	STEERING SW SIGNAL A
7	L	ACC-POWER SUPPLY
8	W	ILLUMINATION SIGNAL (-)
9	R	ILLUMINATION SIGNAL (+)
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT SPEAKER RH (+) [With active noise control]
12	LG	SOUND SIGNAL FRONT SPEAKER RH (-) [Without active noise control]
13	P	SOUND SIGNAL FRONT SPEAKER RH (+) [Without active noise control]
14	R	SOUND SIGNAL REAR SPEAKER RH (+)
15	B	SOUND SIGNAL REAR SPEAKER RH (-)
16	GR	STEERING SW SIGNAL GROUND
18	Y	STEERING SW SIGNAL B
19	Y	VEHICLE SPEED SIGNAL (B-PULSE)
20	SHIELD	BATTERY SHIELD

Connector No.	M33	
Connector Name	COMBINATION SWITCH	
Connector Type	TH16FW-NH	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	FR. WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GROUND
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M35	
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)	
Connector Type	TH08FW-1V	



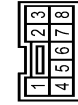
Terminal No.	Color Of Wire	Signal Name [Specification]
23	W	-
28	Y	-
29	Y	-
30	Y	-

Connector No.	M36	
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)	
Connector Type	TH08FG-1V	



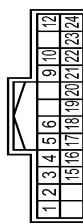
Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
26	W	-
31	L	-
32	Y	-
33	B	-
34	LG	-

Connector No.	M50	
Connector Name	PUSH-BUTTON (IGNITION SWITCH)	
Connector Type	TK08FBR	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-
4	BR	-
5	GR	-
6	Y	-
7	V	-
8	P	-

Connector No.	M53	
Connector Name	COMBINATION METER	
Connector Type	TH24FW-NH	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	L	VEHICLE SPEED SIGNAL (2-PULSE)
4	V	VEHICLE SPEED SIGNAL (8-PULSE) [For Mexico]
4	Y	VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico]
5	B	ILLUMINATION CONTROL SIGNAL
6	R	ROOF STATUS SIGNAL
9	BR	COMMUNICATION SIGNAL (METER-STRIPLE METER)
10	L	COMMUNICATION SIGNAL (TRIPLE METER-METER)
12	G	S-WOPE SWITCH SIGNAL
15	L	ACC-POWER SUPPLY
16	R	AIR BAG SIGNAL

ILLUMINATION

Terminal No.	Color Of Wire	Signal Name [Specification]
17 B	GROUND	
18 V	AMBIENT SENSOR SIGNAL	
19 G	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL	
20 GR	AMBIENT SENSOR GROUND	
21 L	CAN-H	
22 P	CAN-L	
23 B	GROUND	
24 Y	FUEL LEVEL SENSOR GROUND	

Connector No.	M64
Connector Name	FUEL-LEVEL CONTROLLED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



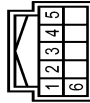
Terminal No.	Color Of Wire	Signal Name [Specification]
1 O	-	
2 V	-	
3 P	-	
4 BR	-	
5 GR	-	
6 B	-	
7 R	-	
8 R	-	

Connector No.	M65
Connector Name	FUEL-LEVEL CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FR



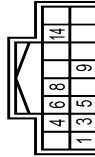
Terminal No.	Color Of Wire	Signal Name [Specification]
1 SB	-	
2 G	-	
3 L	-	
4 O	-	
5 Y	-	
6 B	-	
7 R	-	
8 R	-	

Connector No.	M67
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



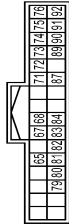
Terminal No.	Color Of Wire	Signal Name [Specification]
1 G	IGNITION POWER SUPPLY	
2 R	ILL*	
3 W	TX (SW AMP)	
4 P	RX (AMP SW)	
5 L	GROUND	
6 B	GROUND	

Connector No.	M72
Connector Name	MULTI-FUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1 B	GROUND	
3 L	ACC	
4 R	ILL	
5 W	ILL CONT	
6 LG	AV COMM (H)	
8 Y	AV COMM (L)	
9 BR	SW GND	
14 SB	DISK EJECT SIGNAL	

Connector No.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65 O	PARKING BRAKE SIGNAL	
67 L	COMPOSITE IMAGE GROUND	
68 G	COMPOSITE IMAGE SIGNAL	
71 SHIELD	SHIELD	
72 R	MICROPHONE VCC	
73 G	COMMUNICATION SIGNAL (CONT-DISP)	
74 P	CAN-L	
75 LG	AV COMMUNICATION SIGNAL (L)	
79 R	AV COMMUNICATION SIGNAL (L)	
80 G	ILLUMINATION SIGNAL	
81 O	IGNITION SIGNAL	
82 Y	REVERSE SIGNAL	
83 B	VEHICLE SPEED SIGNAL (B-PULSE)	
84 Y	SHIELD	
87 G	MICROPHONE SIGNAL	
89 R	COMMUNICATION SIGNAL (DISP-CONT)	
90 L	CAN-H	
91 Y	AV COMMUNICATION SIGNAL (H)	
92 Y	AV COMMUNICATION SIGNAL (H)	

Connector No.	M98
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1 B	-	
2 R	-	
3 GR	-	
4 P	-	
5 B	-	
6 L	-	
7 B	-	
8 G	-	

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4 W	-	
5 R	-	
6 B	-	
7 P	-	
8 R	-	
11 B	-	
12 G	-	
13 Y	-	
14 SHIELD	-	
15 R	-	
16 G	-	

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ILLUMINATION

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



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M156FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
4	R		INTERIOR ROOM LAMP POWER SUPPLY
5	G		PASSENGER DOOR UNLOCK OUTPUT
8	V		ALL DOOR FUEL LID LOCK OUTPUT
9	G		DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	BR		BAT (FUSE)
13	B		GROUND
14	R		PUSH-BUTTON IGNITION SW ILL GND
15	Y		ACC IND
17	W		TURN SIGNAL RH (FRONT, SIDE)
18	O		TURN SIGNAL LH (FRONT, SIDE)
19	P		ROOM LAMP TIMER CONTROL

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T140FB-NH



Terminal No.	Color	Wire	Signal Name [Specification]
72	L		ROOM ANT 2-
73	P		ROOM ANT 2+
74	SB		PASSENGER DOOR ANT-
75	BR		PASSENGER DOOR ANT+
76	V		DRIVER DOOR ANT-
77	LG		DRIVER DOOR ANT+
78	L		ROOM ANT 1-
79	V		ROOM ANT 1+
80	GR		NOISEY LAMP
81	W		NOISEY LAMP
82	R		IGN RELAY (F/R) CONT
83	GR		KYLS ENT RECEIVER (FRONT) COMM
87	BR		COMBI SW INPUT 5
88	V		COMBI SW INPUT 3
90	P		CAN-H
91	L		CAN-L
92	LG		KEY SLOT ILL
93	V		ON IND
95	O		ACC RELAY CONT
96	Y		A/T SHIFT SELECTOR POWER SUPPLY
99	R		SHIFT P/CLUTCH PEDAL POS SW
100	GR		PASSENGER DOOR REQUEST SW
101	Y		DRIVER DOOR REQUEST SW
102	O		BLOWER FAN MOTOR RELAY CONT
103	LG		KYLS ENT RECEIVER (FRONT) PWR SUPPLY
107	LG		COMBI SW INPUT 1
108	R		COMBI SW INPUT 4
109	Y		COMBI SW INPUT 2
110	P		HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T140FG-NH



ILLUMINATION

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH08MMV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [Coupe models]
1	O	- [Roadster models]
2	SB	-
3	B	-
4	BG	-
5	G	-
6	B	-
7	G	-
8	G	-

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TQ04EGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	L	-
4	B	-

Connector No.	M256
Connector Name	HAZARD SWITCH
Connector Type	TQ04EW



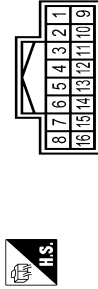
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	BCM
3	SB	ILL+
4	BG	ILL- [Coupe models]
4	O	ILL- [Roadster models]

Connector No.	M263
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TQ08EGY



Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
9	B	-
10	G	-
11	B	-
12	G	-
13	SHIELD	-
14	SHIELD	-
15	R	-
16	G	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TQ06GY



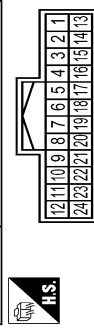
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	V	-
3	B	-
4	SB	-
5	Y	-
6	GR	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-
4	B	-
5	V	-
6	R	-
7	SHIELD	-
8	G	-
9	G	-
10	B	-
11	G	-
12	Y	-

Connector No.	R12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

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ILLUMINATION	15	-	-
	16	-	-
	17	-	-
	18	-	-
	19	-	-
	20	-	-
	22	-	-
	23	-	-
	24	-	-

JRLWE8476GB

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[COUPE]

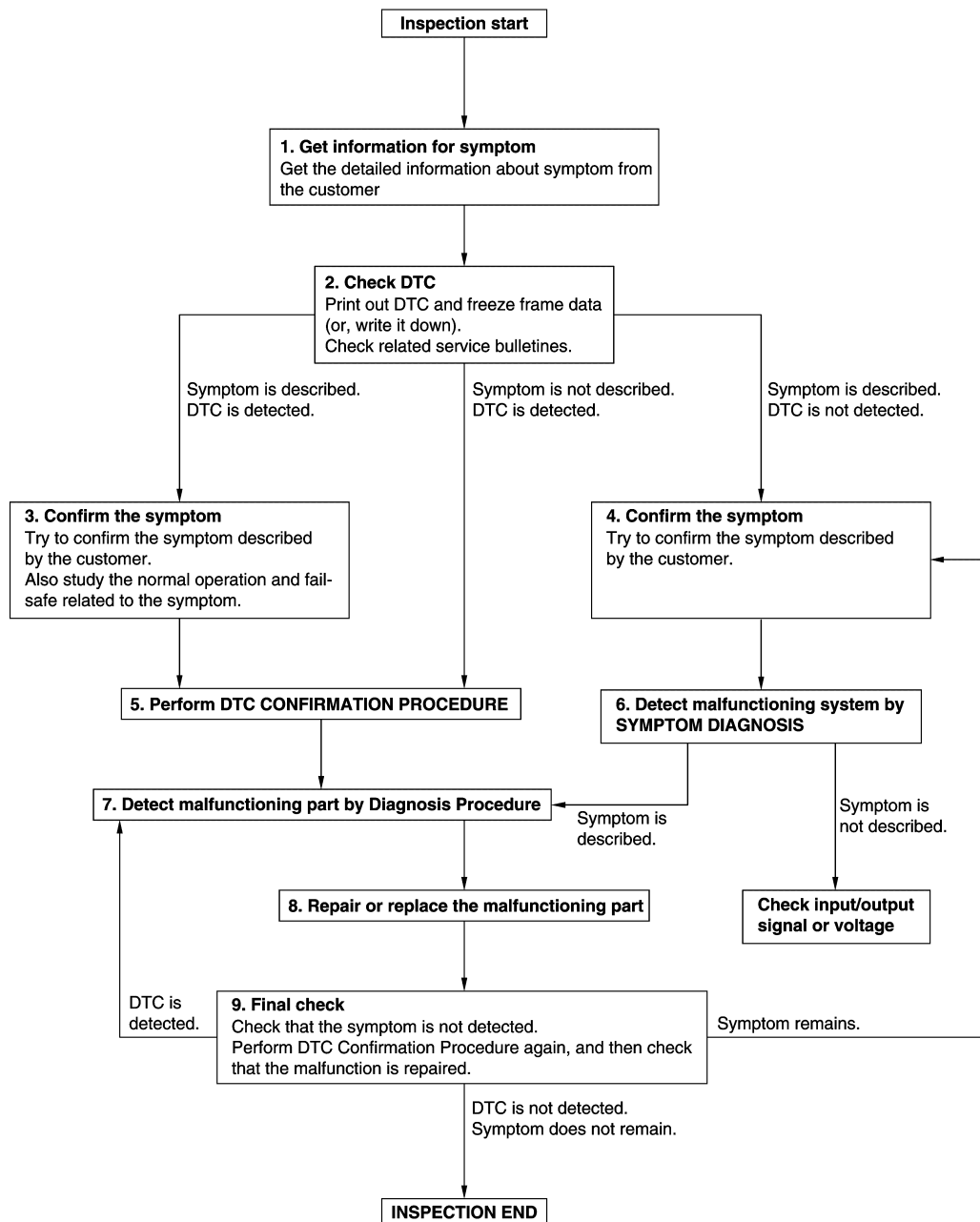
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011735306

OVERALL SEQUENCE



JMKIA8652GB

DETAILED FLOW

DIAGNOSIS AND REPAIR WORK FLOW

[COUPE]

< BASIC INSPECTION >

1.GET INFORMATION FOR SYMPTOM

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

>> GO TO 2.

2.CHECK DTC

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

Are any symptoms described and any DTC detected?

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

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

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

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.
If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-45. "Intermittent Incident"](#).

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

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

Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CONSULT.

7.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW

[COUPE]

< BASIC INSPECTION >

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to [GI-45. "Intermittent Incident"](#).

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

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

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

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

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000011735307

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

Component Function Check

INFOID:0000000011735308

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Turn each interior room lamp ON.
 - Map lamp
 - Vanity mirror lamp
 - Luggage room lamp
3. 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-49, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735309

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

1. 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	Voltage (Approx.)
(+)	(-)		
BCM		BATTERY SAVER	
Connector	Terminal	Ground	
M119	4		
		Off	0 V
		On	Battery voltage

Is the measurement value normal?

- YES >> GO TO 2.
NO >> Replace BCM.

2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. 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.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M119	4	Map lamp	R4	1	Existed
		Vanity mirror lamp (LH)	R2	2	
		Vanity mirror lamp (RH)	R3	2	
		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.

BCM		Ground	Continuity
Connector	Terminal		
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]

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:0000000011735310

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:0000000011735311

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

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. 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 dimming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to [INL-51, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735312

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		INT LAMP	
M119	19		On	Existed
			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.
3. Check continuity between BCM harness connector and map lamp harness connector.

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

BCM		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
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.

BCM		Ground	Continuity
Connector	Terminal		
M119	19		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

LUGGAGE ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

LUGGAGE ROOM LAMP CIRCUIT

Description

INFOID:0000000011735313

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

Component Function Check

INFOID:0000000011735314

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

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
3. 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?

YES >> Luggage room lamp circuit is normal.

NO >> Refer to [INL-53, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735315

1.CHECK LUGGAGE ROOM LAMP OUTPUT

CONSULT ACTIVE TEST

1. Turn the ignition switch OFF.
2. Remove luggage room lamp bulb.
3. Turn the ignition switch ON.
4. 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.

BCM		Ground	Test item	Continuity
Connector	Terminal		LUGGAGE LAMP TEST	
M120	30		On	Existed
			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.
2. Disconnect BCM connector and luggage room lamp connector.
3. Check continuity between BCM harness connector and luggage room lamp harness connector.

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

Does continuity exist?

YES >> Replace the luggage room lamp.

LUGGAGE ROOM LAMP CIRCUIT

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

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.

BCM		Ground	Continuity
Connector	Terminal		
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]

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000011735316

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

Component Function Check

INFOID:0000000011735317

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item.
3. 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-55, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735318

1.CHECK ILLUMINATION CONTROL SWITCHING OPERATION

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

Condition	Push-button ignition switch illumination
<ul style="list-style-type: none">• Ignition switch ON• Lighting switch 1ST	ON
<ul style="list-style-type: none">• 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

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		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
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

CONSULT ACTIVE TEST

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		ENGINE SW ILLUMI	
Connector	Terminal		
M123	133	ON	5 V
		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		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
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		Ground	Continuity
Connector	Terminal		
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

INFOID:0000000011735319

CAUTION:

Perform the self-diagnosis with CONSULT 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-49, "Component Function Check" .
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed.	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-90, "Component Function Check" . Interior room lamp control circuit Refer to INL-51, "Component Function Check" .
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-17, "INT LAMP : CONSULT Function (BCM - INT LAMP) (Coupe Models)" .
• Luggage room lamp does not turn ON. (The bulb is normal.) • Luggage room lamp does not turn OFF.	• Harness between BCM and back door switch • Harness between BCM and luggage room lamp • BCM	Back door switch circuit Refer to DLK-90, "Component Function Check" . Luggage room lamp circuit Refer to INL-53, "Component Function Check" .
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-55, "Component Function Check" .
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-19, "BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER) (Coupe Models)" .

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INL

MAP LAMP

< REMOVAL AND INSTALLATION >

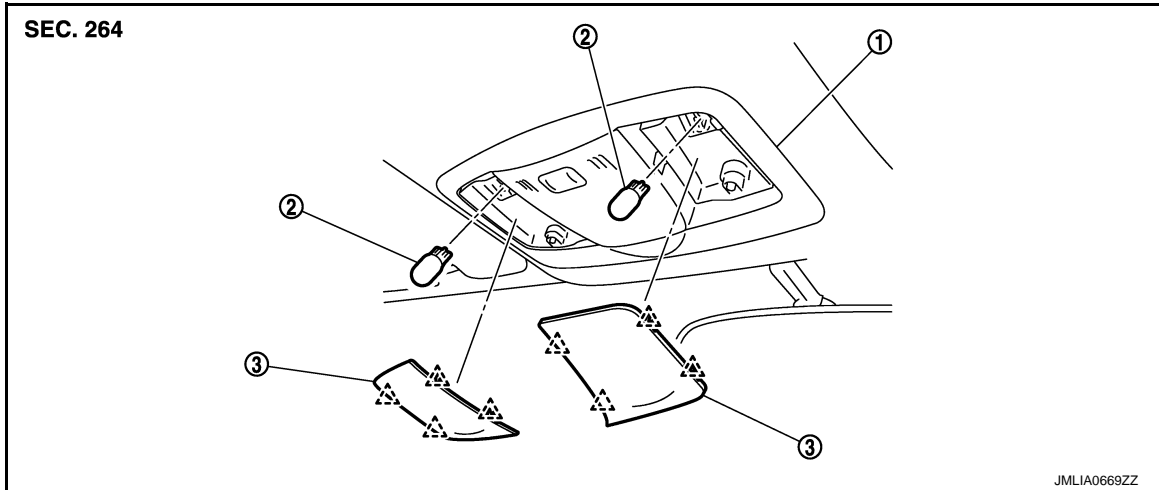
[COUPE]

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000011735320



1. Map lamp assembly

2. Bulb

3. Lens

△ : Pawl

Removal and Installation

INFOID:0000000011735321

Refer to [INT-28. "Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:0000000011735322

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.

VANITY MIRROR LAMP

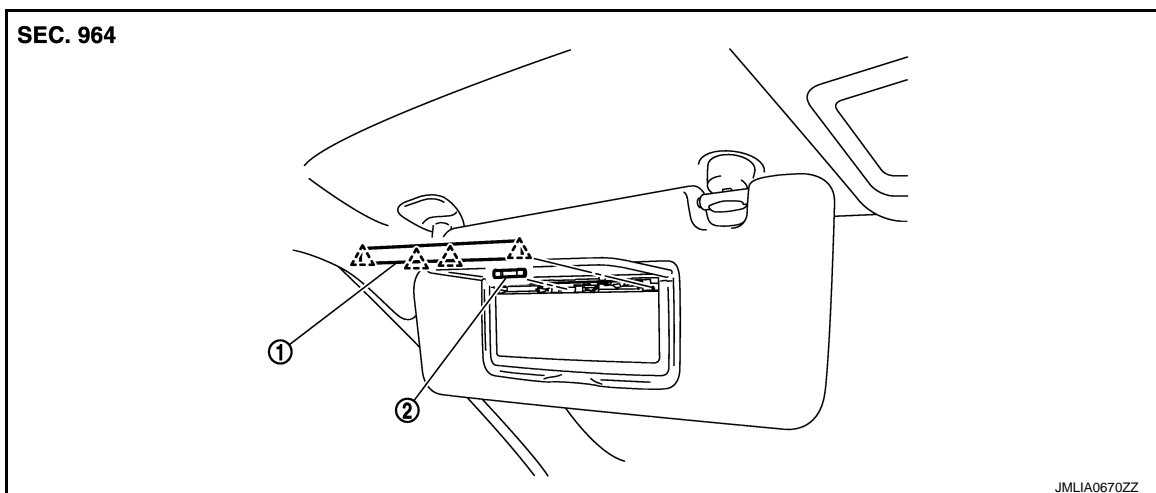
< REMOVAL AND INSTALLATION >

[COUPE]

VANITY MIRROR LAMP

Exploded View

INFOID:0000000011735323



1. Lens

2. Bulb

△ : Pawl

Replacement

INFOID:0000000011735324

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.
2. Remove the bulb.

INL

LUGGAGE ROOM LAMP

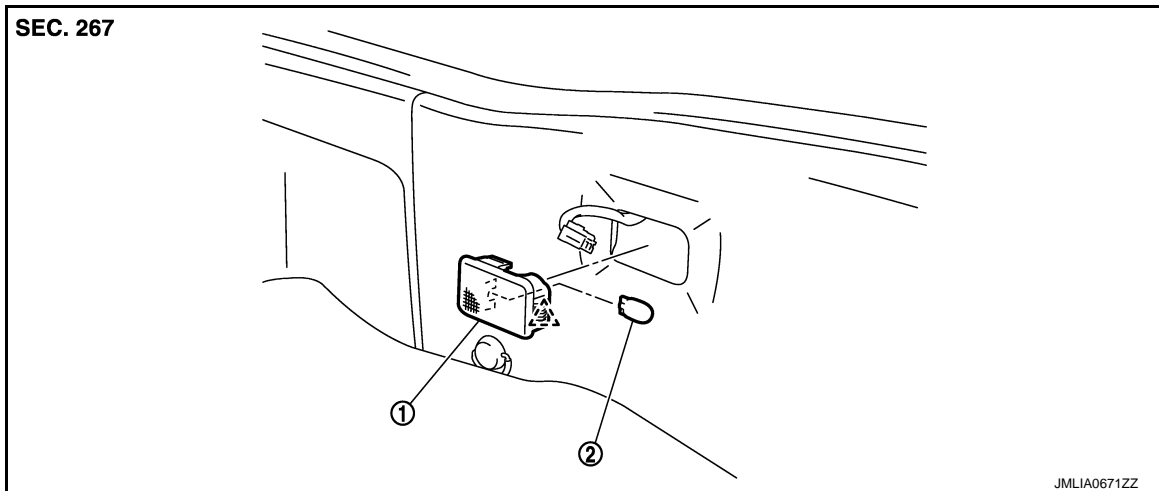
< REMOVAL AND INSTALLATION >

[COUPE]

LUGGAGE ROOM LAMP

Exploded View

INFOID:0000000011735325



1. Luggage room lamp assembly
2. Bulb

△ : Pawl

Removal and Installation

INFOID:0000000011735326

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

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

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:0000000011735327

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

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

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[COUPE]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:0000000011735328

Item	Type	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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PRECAUTION

PRECAUTIONS

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

INFOID:0000000011735329

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.

Precaution for Battery Service

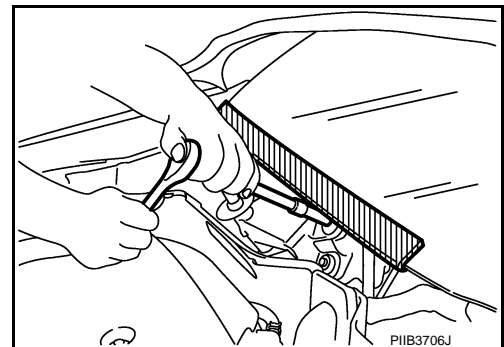
INFOID:0000000011735330

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.

Precaution for Procedure without Cowl Top Cover

INFOID:0000000012079007

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



Precautions For Xenon Headlamp Service

INFOID:0000000011735331

WARNING:

Comply with the following warnings to prevent any serious accident.

PRECAUTIONS

< PRECAUTION >

[ROADSTER]

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

CAUTION:

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

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

Precautions for Removing Battery Terminal

INFOID:0000000011735332

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

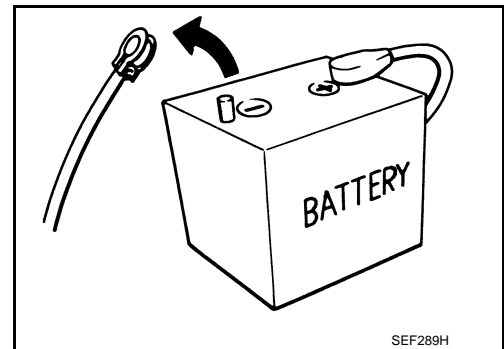
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



INL

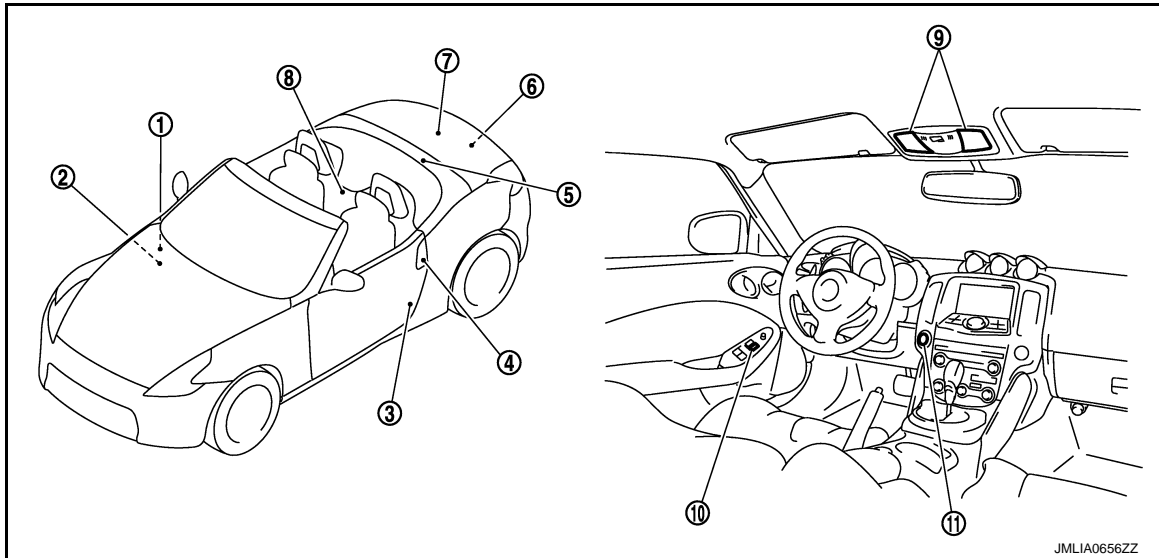
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000011735333



- | | | |
|---|--|---------------------------|
| 1. Remote keyless entry receiver
Refer to DLK-214, "Remote Keyless Entry Receiver" . | 2. BCM
Refer to BCS-10, "Component Parts Location" . | 3. Door switch |
| 4. • Key cylinder switch
• Request switch | 5. Soft top control unit
Refer to RF-11, "Component Parts Location" | 6. Trunk room lamp switch |
| 7. Trunk room lamp | 8. Cargo area courtesy light | 9. Map lamp |
| 10. Door lock and unlock switch | 11. Push-button ignition switch
(Push-button ignition switch illumination) | |

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

INFOID:0000000011735334

Part	Description
BCM	<ul style="list-style-type: none"> Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF. Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.
<ul style="list-style-type: none"> Door lock and unlock switch Key cylinder switch 	Transmits a switch signal by power window switch serial link.
<ul style="list-style-type: none"> Request switch Door switch Trunk room lamp switch 	Inputs a switch signal to BCM.
Soft top control unit	Refer to RF-16

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

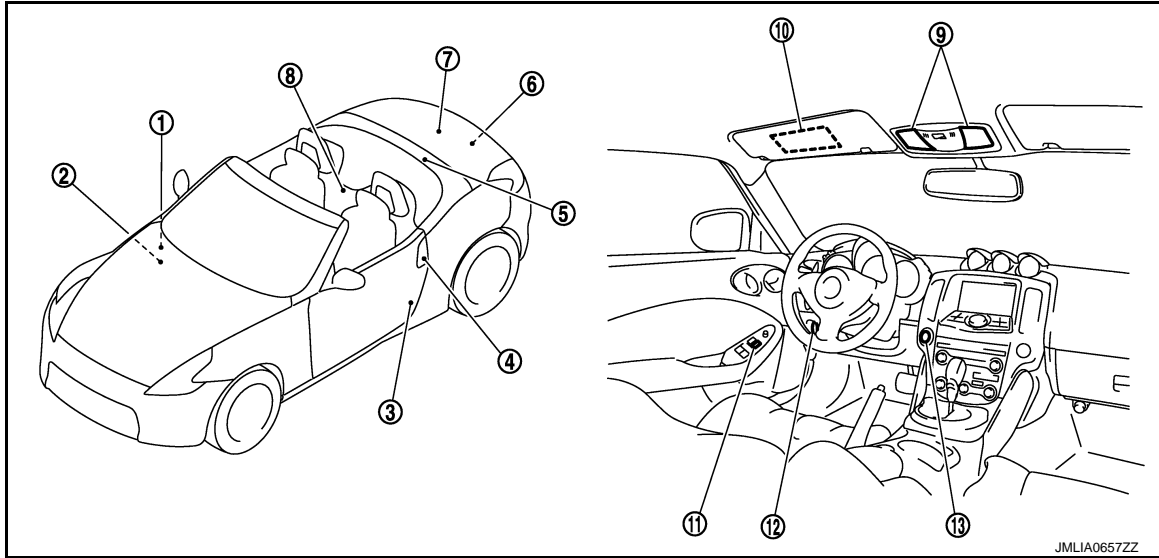
COMPONENT PARTS

< SYSTEM DESCRIPTION >

[ROADSTER]

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Parts Location

INFOID:0000000011735335



- | | | |
|---|--|---------------------------|
| 1. Remote keyless entry receiver
Refer to DLK-214, "Remote Keyless Entry Receiver" . | 2. BCM
Refer to BCS-10, "Component Parts Location" . | 3. Door switch |
| 4. • Key cylinder switch
• Request switch | 5. Soft top control unit
Refer to RF-11, "Component Parts Location" | 6. Trunk room lamp switch |
| 7. Trunk room lamp | 8. Cargo area courtesy light | 9. Map lamp |
| 10. Vanity mirror lamp | 11. Door lock and unlock switch | 12. Key slot |
| 13. Push-button ignition switch | | |

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

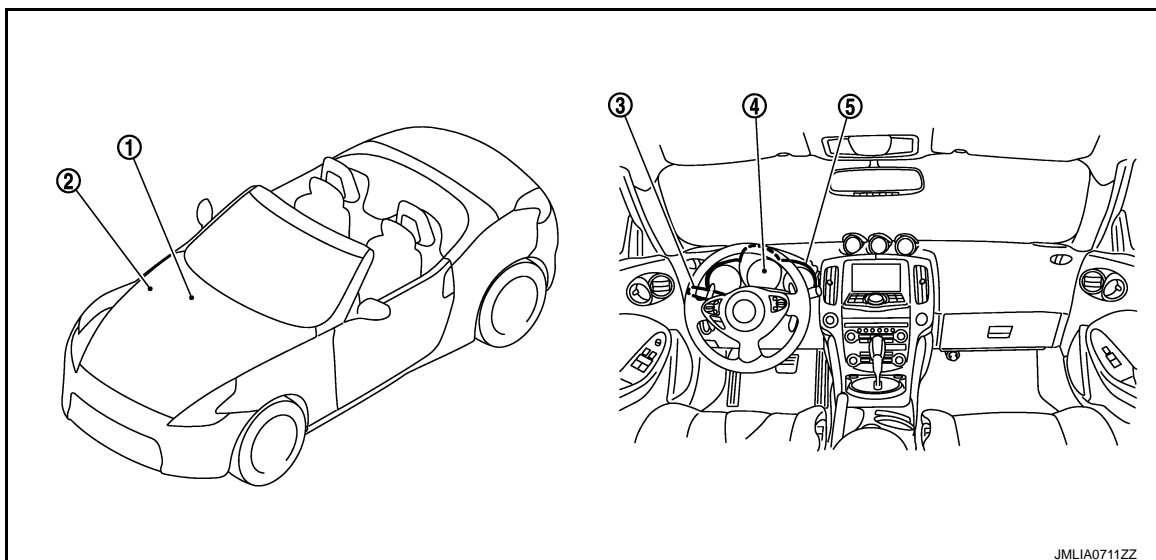
INFOID:0000000011735336

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.
• Door lock and unlock switch • Key cylinder switch	Transmits a switch signal by power window switch serial link.
• Request switch • Door switch • Trunk room lamp switch	Inputs a switch signal to BCM.
Key slot	Inputs the key switch status to BCM.
Soft top control unit	Refer to RF-16

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:000000011735337



1. BCM
Refer to [BCS-10, "Component Parts Location"](#).
2. IPDM E/R
Refer to [PCS-5, "Component Parts Location"](#).
3. Combination switch
4. Combination meter
5. Illumination control switch

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:000000011735338

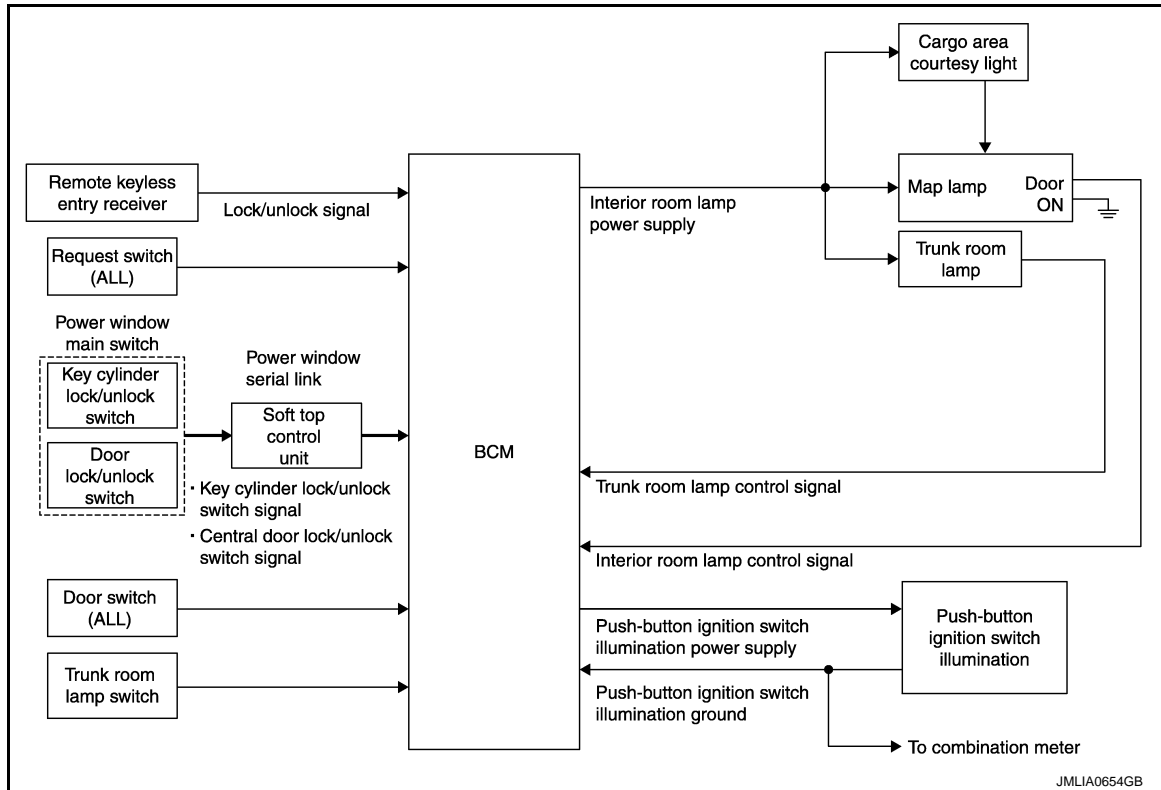
Part	Description
BCM	<ul style="list-style-type: none"> • Detects each switch condition by the combination switch reading function. • Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).
Combination meter	<ul style="list-style-type: none"> • Enters in nighttime mode according to the request from BCM (with CAN communication). • Controls the each illumination in the nighttime mode. Refer to MWI-6, "METER SYSTEM : System Description".
Combination switch (Lighting & turn signal switch)	Refer to BCS-11, "System Description" .

SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000011735339



INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

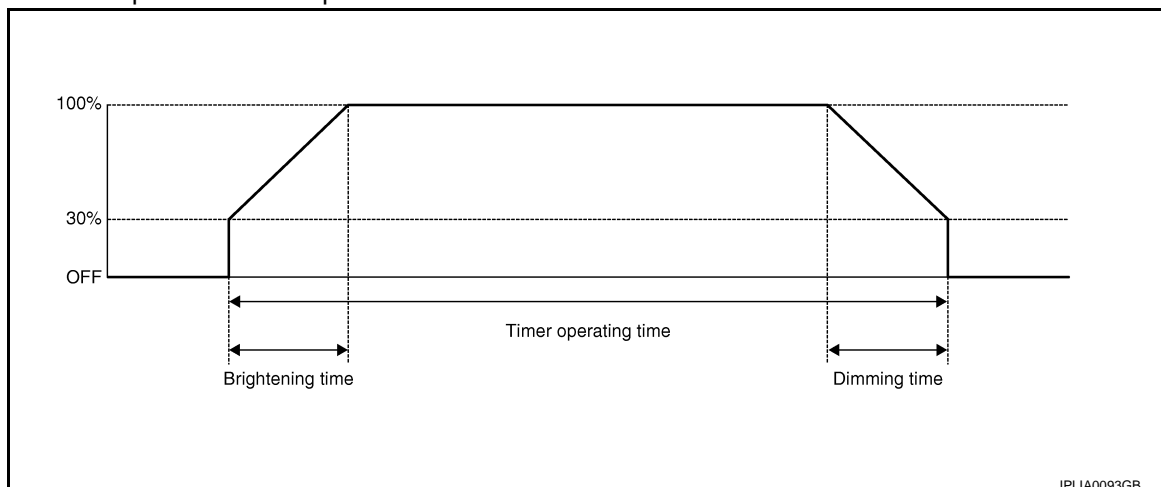
INFOID:0000000011735340

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 courtesy 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 DESCRIPTION >

- BCM judges the vehicle condition with the following items. It activates the interior room timer.
 - Ignition switch status
 - Door switch signal (ALL)
 - Door lock/unlock signal (Remote keyless entry receiver, each door request switch, key cylinder switch, door lock and unlock switch)

NOTE:

Each function of interior room lamp timer can be set by CONSULT. Refer to [INL-73. "INT LAMP : CONSULT 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 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 turn 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.

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

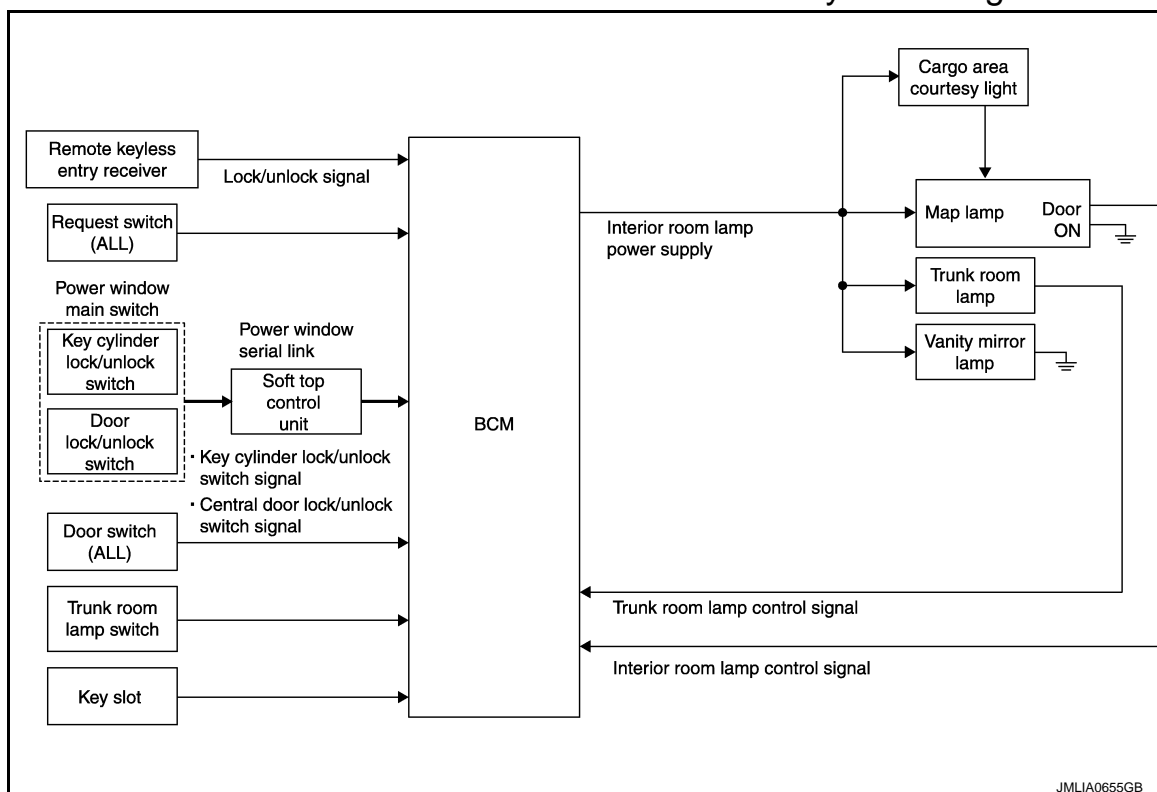
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- 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

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

INFOID:000000011735341



INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:000000011735342

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.

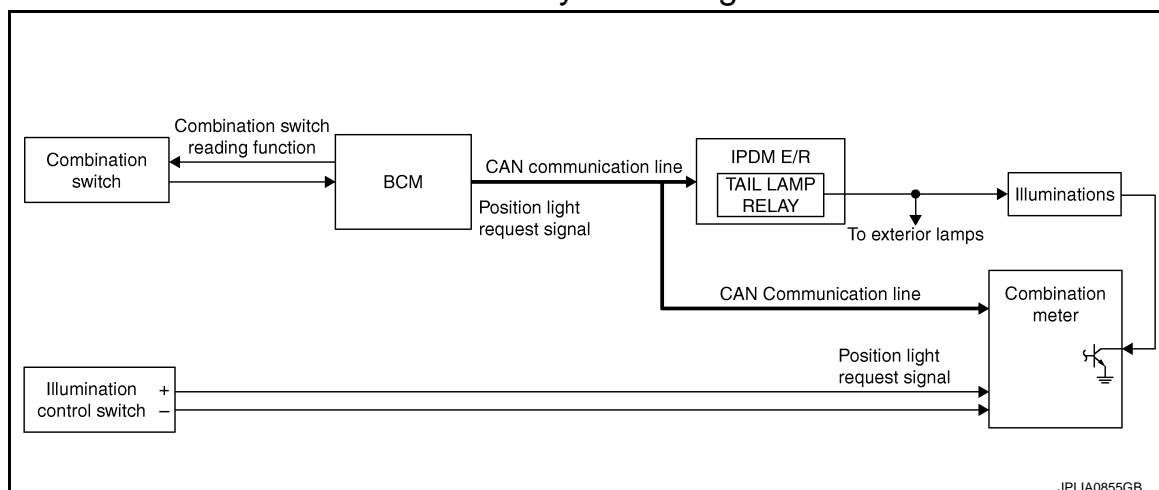
NOTE:

Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-74, "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\) \(Roadster Models\)"](#).

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:000000011735343



ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000011735344

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 [MWI-24, "METER ILLUMINATION CONTROL : System Description"](#).)

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)

[ROADSTER]

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000012103980

APPLICATION ITEM

CONSULT 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.
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 style="list-style-type: none"> Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

System	Sub system selection item	Diagnosis mode		
		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 style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS - 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:

*: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

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

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	
Vehicle Condition	SLEEP>LOCK	Power supply position status of the moment a particular DTC is detected	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" (Except emergency stop operation)
	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"*
	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"*
	OFF		Power supply position is "OFF" (Ignition switch OFF)
	ACC		Power supply position is "ACC" (Ignition switch ACC)
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)
	CRANKING		Power supply position is "CRANKING" (At engine cranking)
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 	

NOTE:

*: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position (A/T models), and any of the following conditions are met.

- Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

INT LAMP

DIAGNOSIS SYSTEM (BCM)

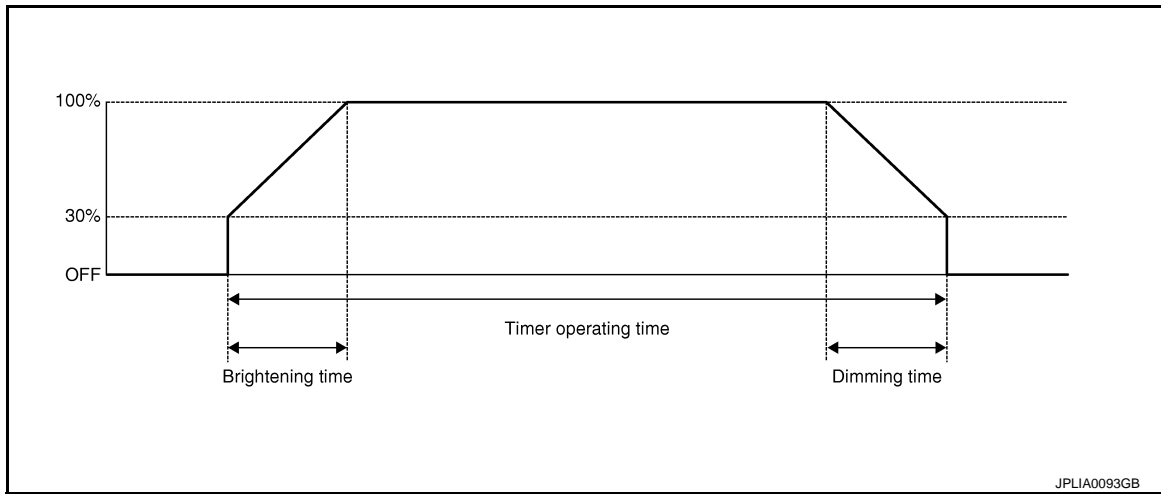
< SYSTEM DESCRIPTION >

[ROADSTER]

INT LAMP : CONSULT Function (BCM - INT LAMP) (Roadster Models)

INFOID:0000000011735346

WORK SUPPORT



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

*: Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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)

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

Monitor item [Unit]	Description
REQ SW-RR [On/Off]	NOTE: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
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: The item is indicated, but not monitored.
DOOR SW-RL [On/Off]	
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).
	Off	Stops the interior room lamp control signal to turn map lamp and cargo area courtesy light OFF.
STEP LAMP TEST	On	NOTE: The item is displayed, but cannot be tested.
	Off	
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 Function (BCM - BATTERY SAVER) (Roadster Mod-

DIAGNOSIS SYSTEM (BCM)

[ROADSTER]

< SYSTEM DESCRIPTION >

els)

INFOID:000000011735347

WORK SUPPORT

Service item	Setting item	Setting	
BATTERY SAVER SET	On*	With the exterior lamp battery saver function	
	Off	Without the exterior lamp battery saver function	
ROOM LAMP BAT SAV SET	On*	With the interior room lamp battery saver function	
	Off	Without the interior room lamp battery saver function	
ROOM LAMP TIMER SET	MODE 1	30 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 2	60 min.	
	MODE 3*	10 min.	

*: Factory setting

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
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: The item is indicated, but not monitored.
DOOR SW-RL [On/Off]	
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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

Monitor item [Unit]	Description
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
BATTERY SAVER	Off	Cuts the interior room lamp power supply to turn interior room lamp OFF.
	On	Outputs the interior room lamp power supply to turn interior room lamp ON.*

*: Each lamp switch is in ON position.

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

< SYSTEM DESCRIPTION >

[ROADSTER]

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

CONSULT Function

INFOID:0000000011735348

APPLICATION ITEM

CONSULT 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 operation manual.

SELF-DIAG RESULT

Refer to [RF-40. "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.

CONSULT display		Description
Item	Indication	
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)

[ROADSTER]

< SYSTEM DESCRIPTION >

CONSULT display		Description
Item	Indication	
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

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

CONSULT display		Description
Item	Indication/Unit	
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.

DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

[ROADSTER]

< SYSTEM DESCRIPTION >

CONSULT display		Description
Item	Indication/Unit	
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

CONSULT display		Description
Item	Indication	
ROOF LATCHED LH/RH	LOCK	Roof lock assembly performs lock operation.
	UNLOCK	Roof lock assembly performs unlock operation.
STORAGE LID	OPEN	Storage lid performs open operation.
	CLOSE	Storage lid performs close operation.
SOFT TOP SYSTEM	UP	Soft top performs close operation.
	DOWN	Soft top performs open operation.
ROOF SYSTEM	OPEN	Soft top system performs open operation.
	CLOSE	Soft top system performs close operation.
5TH BOW SYSTEM	OPEN	1st bow and 5th bow performs fold operation.
	CLOSE	1st bow and 5th bow performs spread operation.
HYDRAULIC PRESSURE RELEASE	ON	Switching valve performs OFF operation.
TRUNK OPENER	ON	Trunk lid opener actuator performs unlock operation.
ROOF STATE OUTPUT (AUDIO)	ON	Full open position signal of roof is transmitted to audio unit.
	OFF	Full close position signal of roof is transmitted to audio unit.
POWER WINDOW (LH/RH)	UP	Power window (LH/RH) performs close operation.
	DOWN	Power window (LH/RH) performs open operation.
REAR WINDOW DEFOGGER	ON	Rear window defogger performs ON operation.
	OFF	Rear window defogger performs OFF operation.

INL

DIAGNOSIS SYSTEM (METER)

Diagnosis Description

INFOID:000000012103981

SELF-DIAGNOSIS MODE

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

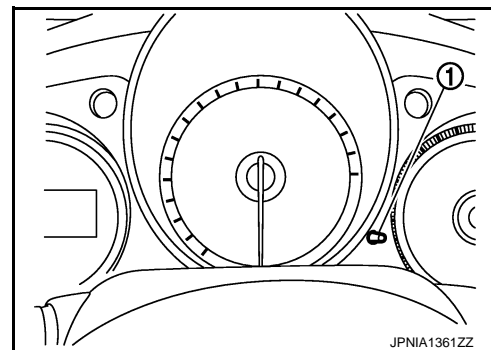
OPERATION PROCEDURE

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

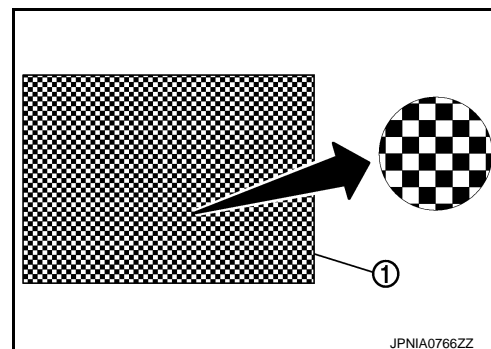
NOTE:

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 B".)

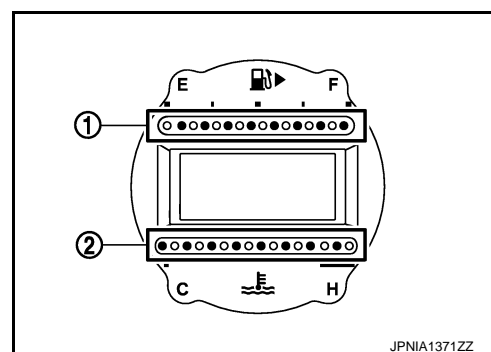
4. Press the trip reset switch at least 3 times. (Within 7 seconds after the ignition switch is turned ON.)



5. 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:

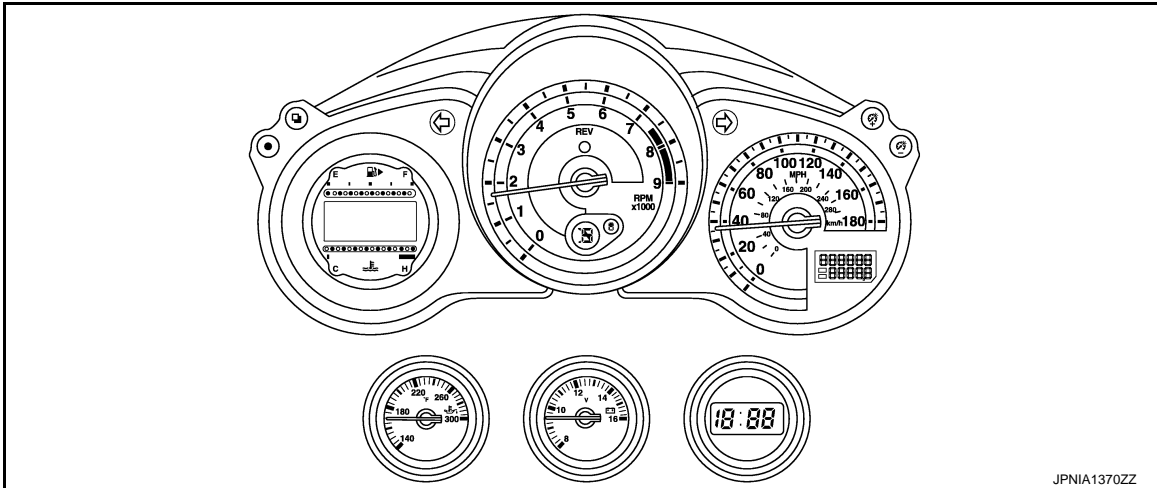
- Check combination meter power supply and ground circuit when the self-diagnosis mode of the combination meter does not start. Replace combination meter if power supply and ground circuit are normal.
- When turning the ignition switch ON, if the triple meter has a malfunction and the self-diagnosis mode for triple meter does not start, 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).

DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

[ROADSTER]

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 Function (METER/M&A)

INFOID:000000012103982

CONSULT APPLICATION ITEMS

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

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

SELF DIAG RESULT

Refer to [MWI-77, "DTC Index"](#).

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Display Item List

X: Applicable

Display item [Unit]	MAIN SIGNALS	Description
SPEED METER [km/h]	X	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]	X	Vehicle speed signal value transmitted to other units via CAN communication. NOTE: 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]	X	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]	X	Fuel level indicated on combination meter.

DIAGNOSIS SYSTEM (METER)

[ROADSTER]



< SYSTEM DESCRIPTION >

Display item [Unit]	MAIN SIGNALS	Description
W TEMP METER [°C]	X	Value of engine coolant temperature signal is received from ECM via CAN communication. NOTE: 215 is displayed when the malfunction signal is input.
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 VDC warning lamp detected from VDC warning 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.
SET IND [Off]		This item is displayed, but cannot be monitored.
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.
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.
MT SYNC REV IND [On/Off]		Status of S-MODE indicator judged from S-MODE indicator signal received from ECM with CAN communication line.
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 signal is received from BCM via CAN communication.

DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

[ROADSTER]

Display item [Unit]	MAIN SIGNALS	Description	
SHIFT IND [P, R, N, D, L, M1, M2, M3, M4, M5, M6, M7]		<ul style="list-style-type: none"> Status of shift position indicator detected from shift position signal and manual mode indicator signal is received from TCM via CAN communication. (A/T models) Status of shift position indicator detected from shift position signal is received from ECM via CAN communication. (with SynchroRev Match mode models) 	A B
AT S MODE SW [Off]		This item is displayed, but cannot be monitored.	C
M RANGE SW [On/Off]		Status of manual mode switch.	D
NM RANGE SW [On/Off]		Status of non-manual mode switch.	E
AT SFT UP SW [On/Off]		Status of position select switch (up).	F
AT SFT DWN SW [On/Off]		Status of position select switch (down).	G
ST SFT UP SW [On/Off]		Status of paddle shifter up switch.	H
ST SFT DWN SW [On/Off]		Status of paddle shifter down switch.	I
SYNC MODE [On/Off]		This item is displayed, but cannot be monitored.	J
PKB SW [On/Off]		Status of parking brake switch.	K
BUCKLE SW [On/Off]		Status of seat belt buckle switch (driver side).	
BRAKE OIL SW [On/Off]		Status of brake fluid level switch.	
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.	INL
DISTANCE [km]		Value of possible driving distance calculated by combination meter.	M
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.)	N
FUEL LOW SIG [On/Off]		Status of fuel level low warning signal to output to AV control unit via CAN communication.	O
BUZZER [On/Off]	X	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.	P

NOTE:

Some items are not available according to vehicle specification.

WARNING HISTORY

- Stores histories when warning/indicator lamp is turned on.
- “Warning History” indicates the “TIME” when the warning/ indicator lamp is turned on.

DIAGNOSIS SYSTEM (METER)

[ROADSTER]

< SYSTEM DESCRIPTION >

- 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 Warning History: Stores NO (0) turning on history of warning/indicator lamp.

NOTE:

- Warning 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 VDC warning lamp.
BRAKE W/L	Lighting history of brake warning lamp.
DOOR W/L	Lighting history of door warning.
OIL W/L	Lighting history of oil pressure warning lamp.
C-ENG W/L	Lighting history of malfunction indicator lamp.
CRUISE IND	Lighting history of CRUISE indicator lamp.
ATC/T-AMT W/L	Lighting history of A/T CHECK indicator lamp.
FUEL W/L	Lighting history of low fuel level warning.
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).

NOTE:

In items displayed on the CONSULT screen, only those listed in the above table are used.

BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

ECU DIAGNOSIS INFORMATION

BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

List of ECU Reference

INFOID:0000000011735351

ECU	Reference
BCM	BCS-58, "Reference Value"
	BCS-97, "Fail-safe"
	BCS-98, "DTC Inspection Priority Chart"
	BCS-99, "DTC Index"
COMBINATION METER	MWI-57, "Reference Value"
	MWI-76, "Fail-Safe"
	MWI-77, "DTC Index"
SOFT TOP CONTROL UNIT	RF-31, "Reference Value"
	RF-38, "Fail-safe"
	RF-39, "DTC Inspection Priority Chart"
	RF-40, "DTC Index"

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

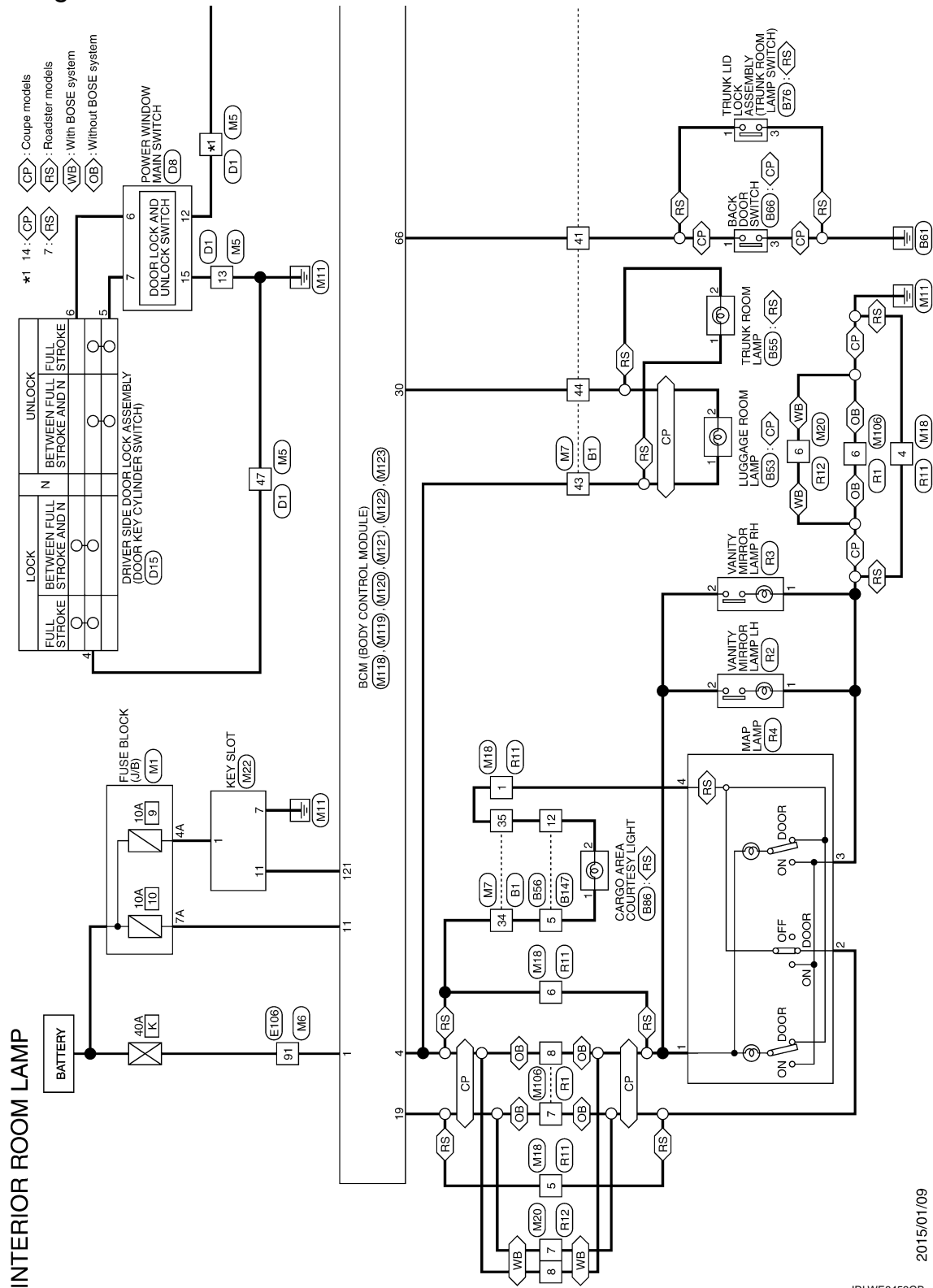
[ROADSTER]

WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:000000011735352

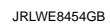


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[ROADSTER]

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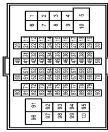
INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

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

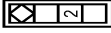


Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	BG	-
3	Y	-
4	W	-
5	V	-
6	LG	-
7	GR	-
8	BR	-
9	SHIELD	-
10	SHIELD	-
11	V	-
12	W	-
13	BR	-
14	LG	-
15	B	-
16	V	-
17	R	-
18	B	-
19	B	-
20	SH	-
21	G	-
22	GR	-
23	V	-
24	BG	-
25	L	-
26	P	-
27	W	-
28	SHIELD	-
29	SHIELD	-
30	SHIELD	-
31	W	-
32	B	-
33	P	-
34	W	-
35	R	-
36	B	-
37	W	-
38	B	-
39	SH	-
40	SH	-

39	SH	-
40	Y	-
41	L	-
42	GR	-
43	BR	-
44	R	-
45	BG	-
46	SHIELD	-
47	V	-
48	SHIELD	-
49	V	-
50	W	-
51	W	-
52	L	-
53	P	-
54	G	-
55	R	-
56	SHIELD	-
57	SHIELD	-
58	SH	-
59	SH	-
60	SH	-
61	SH	-
62	SHIELD	-
63	BR	-
64	V	-
65	SHIELD	-
66	P	-
67	L	-
68	SHIELD	-
69	R	-
70	G	-
71	V	-
72	P	-
73	BR	-
74	GR	-
75	RG	-
76	Y	-
77	Y	-
78	R	-
79	B	-
80	GR	-
81	G	-
82	B	-
83	GR	-
84	G	-
85	L	-
86	V	-
87	BR	-
88	GR	-
89	P	-
90	G	-

95	LG	-
96	L	-
97	Y	-
98	W	-
99	Y/B	-
100	LG	-
101	B	-

Connector No.	B16
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-

Connector No.	B53
Connector Name	LUGGAGE ROOM LAMP
Connector Type	C02FGY



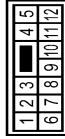
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B55
Connector Name	TRUNK ROOM LAMP
Connector Type	S02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B56
Connector Name	WIRE TO WIRE
Connector Type	HS12M4-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	-
5	R	-
9	V	-
10	LG	-
11	GR	-
12	B	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

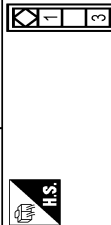
INTERIOR ROOM LAMP

Connector No.	B63
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	B	-

Connector No.	B66
Connector Name	BACK DOOR SWITCH
Connector Type	A03FW



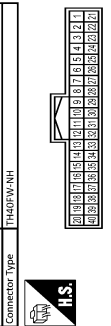
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	B	-

Connector No.	B76
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	NS03FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	LG	-
3	B	-

Connector No.	B81
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



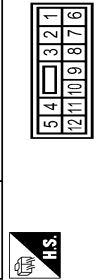
Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	BR	-
6	B	-
8	Y	-
9	BG	-
14	GR	-
15	S8	-
16	V	-
17	G	-
24	LG	-
25	V	-
31	L	-
32	P	-
34	BG	-
35	R	-

Connector No.	B86
Connector Name	CARGO AREA COURTESY LIGHT
Connector Type	S02FW



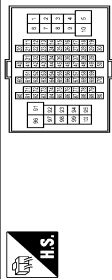
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	B147
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	-
5	R	-
9	V	-
10	LG	-
11	GR	-
12	B	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	-
3	B	-
4	G	-
6	SHIELD	-
7	R	- [Coupe models]
8	Y	- [Roadster models]
9	BR	- [Coupe models]
10	LG	- [Roadster models]
11	R	-
12	G	-
22	R	-
30	B	-
40	W	-
41	V	-
42	G	-
43	L	-
44	S8	-
51	P	-
52	L	-
53	SHIELD	-
54	BR	-
55	Y	-
56	SHIELD	-
57	G	- [Coupe models]
58	P	- [Roadster models]
59	L	- [Roadster models]
60	R	- [Coupe models]
61	B	-
62	W	-
63	GR	-
64	B	-
65	Y	-
66	V	-
67	S8	-
68	BG	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

67	V	-	-
68	P	-	-
69	L	-	-
70	G	-	-
71	B	-	- [Roadster models]
72	GR	-	- [Coupe models]
73	L	-	- [Roadster models]
74	P	-	- [Coupe models]
75	B	-	- [Roadster models]
76	B	-	- [Coupe models]
77	W	-	- [Roadster models]
78	LG	-	- [Roadster models]
79	SB	-	- [Coupe models]
80	V	-	- [Roadster models]
81	W	-	- [Roadster models]
82	SHIELD	-	- [Coupe models]
83	LG	-	- [Roadster models]
84	LG	-	- [Coupe models]
85	LG	-	- [Roadster models]
86	Y	-	- [Coupe models]
87	Y	-	- [Roadster models]
88	W	-	- [Roadster models]
89	Y/B	-	- [Roadster models]
90	G	-	- [Roadster models]
91	BR	-	- [Roadster models]
92	Y	-	- [Roadster models]

Connector No.	B205
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B216
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	LG	-

Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Type	T440NWH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	-
5	L	-
6	P	-
8	O	-
9	Y	-
14	BR	-
15	BR	-
16	W	-
17	DG	-
24	V	-
25	LG	-
31	BG	-
32	P	-
34	O	-
35	SB	-

Connector No.	B303
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	T440F8NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH)
3	DG	ROOF STRIKER SENSOR RH
4	W	ROOF STRIKER SENSOR LH
8	Y	REVERSE SIGNAL
9	SB	POWER CONDITION POWER WINDOW
10	O	ROOF STRIKER TO OPEN SIGNAL
11	SB	ROOF STRIKER TO OPEN SIGNAL
12	SB	ROOF STRIKER TO OPEN SIGNAL
14	L	ROOF OPEN / CLOSE SWITCH (CLOSE)
15	LG	ROOF OPEN / CLOSE SWITCH (CLOSE)
16	V	TRUNK ROOM LAMP SWITCH
17	RG	CAN-H
18	P	CAN-L
19	LG	LOCAL COMMUNICATION (POWER WINDOW)
20	V	LOCAL COMMUNICATION (ROOF STRIKER SENSOR RH)
21	BR	SENSOR POWER SUPPLY (ROOF STRIKER SENSOR RH)
29	DG	GROUND
35	P	ROOF OPEN / CLOSE SWITCH (GND)

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	T440FW CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT
4	P	DOOR SWITCH (Roadster models)
5	BS	DOOR LOCK
6	GR	DOOR LOCK
7	V	DOOR KEY CYLINDER UNLOCK

Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	BG	-
11	P	- [With BOSE system]
11	V	- [Without BOSE system]
12	L	-
13	B	-
14	SB	- [Coupe models]
14	Y	- [Roadster models]
15	W	-
19	Y	-
23	V/B	-
25	R	-
26	SHIELD	-
25	G	-
44	L	-
48	SB	-
49	W	-
50	LG	-
51	R	-
52	V	-
53	BG	-
54	GR	-
55	G	-

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS1EFW-CS



1		4	<div></div>	5	6	7	
8	9	10	11	12	13	14	15

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

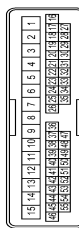
Connector No.	Color Of Wire	Signal Name [Specification]
8	L	UP
9	LG	ENCODER SIG 2
10	Y	IGN
11	BR	DOWN
12	SB	SERIAL LINK [Coupe models]
12	Y	SERIAL LINK [Roadster models]
13	R	ENCODER SIG 1
14	G	ENCODER GND
15	B	GND

Connector No.	Color Of Wire	Signal Name [Specification]
D15		
DRIVER SIDE DOOR LOCK ASSEMBLY		
50	Y	
51	Y	
52	G	
53	BG	
54	GR	
55	L	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	SB	-
4	B	-
5	V	-
6	GR	-

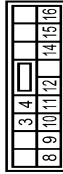
Connector No.	Color Of Wire	Signal Name [Specification]
D31		
WIRE TO WIRE		
TH40PW-CS15		



Terminal No.	Color Of Wire	Signal Name [Specification]
9	SHIELD	-
10	V	-
11	LG	-

Connector No.	Color Of Wire	Signal Name [Specification]
12	LG	- [Without BOSE system]
12	P	- [With BOSE system]
13	L	- [Without BOSE system]
13	V	- [With BOSE system]
14	B	-
15	W	-
19	Y	-
23	Y/B	-
25	R	-
26	SHIELD	-
35	G	-
44	L	-
50	Y	-
51	Y	-
52	G	-
53	BG	-
54	GR	-
55	L	-

Connector No.	Color Of Wire	Signal Name [Specification]
D38		
POWER WINDOW SUB-SWITCH		
NS16PW-CS		



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	ENCODER GND
4	BG	ENCODER PWR
8	L	UP
9	BR	DOWN
10	W	BAT
11	B	GND
12	R	ENCODER SIG 1
14	Y	DOOR SWITCH [Roadster models]
15	LG	ENCODER SIG 2
16	Y	SERIAL LINK

Connector No.	Color Of Wire	Signal Name [Specification]
E106		
WIRE TO WIRE		
TH80PW-CS16-TM4		



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	V	-
12	R	-
14	GR	-
15	P	-
16	W	-
17	SB	-
20	LG	-
21	G	- [Coupe models]
21	BR	- [Roadster models]
31	L	-
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	GR	- [Except for roadster models with M/T]
44	R	- [Roadster models with M/T]
45	BG	-
46	W	-
47	P	-
58	SHIELD	-
59	L	-
70	P	-
80	W	-
81	P	-



Connector No.	Color Of Wire	Signal Name [Specification]
M1		
FUSE BLOCK (J/B)		
NS05FW-M2		



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	BR	-
8A	L	-

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A
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P

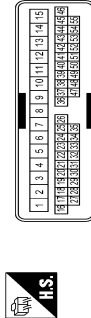
INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-C315



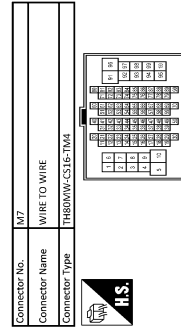
Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	V	-
11	Y	-
12	BR	- [Without active noise control]
13	BR	- [With active noise control]
14	B	- [Without active noise control]
15	B	- [With active noise control]
16	W	-
17	W	-
18	Y	-
19	Y	-
20	Y/B	-
21	Y	-
22	SHIELD	-
23	BR	-
24	L	-
25	L	-
26	L	-
27	B	-
28	B	-
29	W	-
30	R	-
31	R	-
32	G	-
33	G	-
34	G	-
35	G	-
36	G	-
37	B	-
38	B	-
39	Y	-
40	W	-
41	R	-
42	L	-
43	W	-
44	G	-
45	R	-
46	R	-
47	R	-
48	R	-
49	R	-
50	R	-
51	R	-
52	R	-
53	R	-
54	R	-
55	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315-TM4



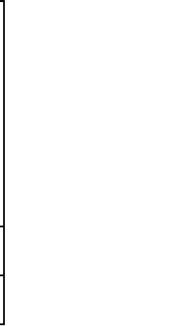
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	L	-
4	L	-
5	B	-
6	P	-
7	P	-
8	P	-
9	P	-
10	GR	-
11	R	-
12	R	-
13	G	-
14	G	-
15	P	-
16	W	-
17	BR	-
18	GR	-
19	R	-
20	BR	-
21	BR	-
22	V	-
23	V	-
24	V	-
25	V	-
26	V	-
27	V	-
28	V	-
29	V	-
30	V	-
31	V	-
32	V	-
33	V	-
34	V	-
35	V	-
36	V	-
37	V	-
38	V	-
39	V	-
40	V	-
41	V	-
42	V	-
43	V	-
44	V	-
45	V	-
46	V	-
47	V	-
48	V	-
49	V	-
50	V	-
51	V	-
52	V	-
53	V	-
54	V	-
55	V	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	O	-
5	V	-
6	V	-
7	LG	-
8	SR	-
9	GR	-
10	Y	-
11	Y	-
12	V	-
13	BR	-
14	V	-
15	B	-
16	V	-
17	R	-
18	L	-
19	SR	-
20	G	-
21	GR	-
22	V	-
23	V	-

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-C315-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	O	-
3	LG	-
4	O	-
5	V	-
6	V	-
7	LG	-
8	SR	-
9	GR	-
10	Y	-
11	Y	-
12	V	-
13	BR	-
14	V	-
15	B	-
16	V	-
17	R	-
18	L	-
19	SR	-
20	G	-
21	GR	-
22	V	-
23	V	-

INTERIOR ROOM LAMP CONTROL SYSTEM

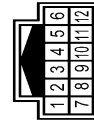
< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

Terminal No.	Color Of Wire	Signal Name [Specification]
75	O	-
80	Y	-
81	W	-
82	BR	-
83	GR	-
84	L	-
85	LG	-
86	V	-
87	BR	-
88	SB	-
93	Y	-
94	L	-
95	W	-
96	L	-
97	LG	-
97	Y	- [Coupe models]
98	B	- [Roadster models]
98	Y	- [Coupe models]
98	W	- [Roadster models]
99	W	-
100	B	-

Connector No.	Connector Name	Connector Type
M18	WIRE TO WIRE	
M18	WIRE TO WIRE	



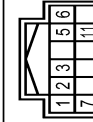
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	R	-
4	B	-
5	P	-
6	R	-
7	SHIELD	-
8	R	-
9	G	-
10	B	-
11	G	-
12	Y	-

Connector No.	Connector Name	Connector Type
M20	WIRE TO WIRE	
M20	WIRE TO WIRE	



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
10	SB	-
11	SB	-
12	SB	-
12	B	-
13	G	-
17	V	-
18	SHIELD	-
19	R	-
20	G	-
22	V	-
23	V	-
24	V	-

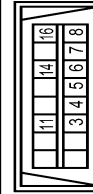
Connector No.	Connector Name	Connector Type
M22	KEY SLOT	
M22	KEY SLOT	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	BAT
2	GR	CLOCK
3	W	DATA

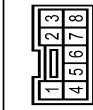
Terminal No.	Color Of Wire	Signal Name [Specification]
5	Y	ILL BATT
6	LG	ILL
7	B	GROUND
11	R	KEY SWITCH SIGNAL

Connector No.	Connector Name	Connector Type
M24	DATA LINK CONNECTOR	
M24	DATA LINK CONNECTOR	



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Coupe models]
3	Y	- [Roadster models]
4	Y	-
5	B	-
6	L	-
7	V	-
8	R	-
11	LG	-
11	Y	- [Roadster models]
14	P	-
16	Y	-

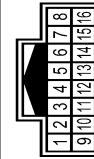
Connector No.	Connector Name	Connector Type
M50	PUSH-BUTTON IGNITION SWITCH	
M50	PUSH-BUTTON IGNITION SWITCH	



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-

Terminal No.	Color Of Wire	Signal Name [Specification]
4	BR	-
5	GR	-
6	Y	-
7	V	-
8	P	-

Connector No.	Connector Name	Connector Type
M105	WIRE TO WIRE	
M105	WIRE TO WIRE	



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
11	B	-
12	G	-
13	Y	-
14	SHIELD	-
15	R	-
16	G	-

Connector No.	Connector Name	Connector Type
M117	WIRE TO WIRE	
M117	WIRE TO WIRE	



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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	B	-
4	W	-
6	SHIELD	-
7	LG	- [Coupe models]
7	Y	- [Roadster models]
8	BR	- [Coupe models]
8	LG	- [Roadster models]
9	Y	-
11	R	-
12	G	-
22	R	-
30	B	-
40	O	-
41	Y	-
42	G	-
43	L	-
44	SH	-
52	G	-
53	SHIELD	-
54	LG	-
55	V	-
56	SHIELD	-
57	G	- [Coupe models]
57	P	- [Roadster models]
58	L	- [Roadster models]
58	R	- [Coupe models]
59	B	-
60	W	-
61	GR	-
62	B	-
63	Y	-
64	L	-
65	G	-
66	O	-
67	V	-
68	P	-
69	L	-
70	L	-
71	B	-
72	B	-
73	B	-
74	B	-
75	B	-
76	B	-
77	B	-
92	G	- [Coupe models]

92	LG	- [Roadster models]
93	R	- [Coupe models]
93	V	- [Roadster models]
94	G	- [Roadster models]
94	SHIELD	- [Coupe models]
95	LG	- [Roadster models]
95	SH	- [Coupe models]
97	LG	- [Roadster models]
97	Y	- [Coupe models]
98	V	- [Roadster models]
98	Y/R	- [Coupe models]
99	G	-
100	BR	-
100	Y	- [Roadster models]

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FPLC



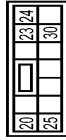
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

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



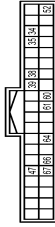
Terminal No.	Color Of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GROUND
14	R	PUSH-BUTTON IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	L	BACK DOOR OPEN OUTPUT [Coupe models]
23	Y	TRUNK LID OPEN OUTPUT [Roadster models]
24	O	REAR FOG OUTPUT
25	LG	TURN SIGNAL LH (REAR)
30	R	LUGGAGE/TRUNK ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FENH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	G	LUGGAGE/TRUNK ROOM ANT-
35	R	LUGGAGE/TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
47	V	IGN PELAT (POWER) CONT
52	SH	STARTER RELAY CONT
60	BR	IGN RELAY
60	V	BACK DOOR/TRUNK LID DOOR REQUEST SW
64	G	BACK DOOR/TRUNK LID DOOR REQUEST SW
64	G	BACK DOOR/TRUNK ROOM LAMP SW
66	R	BACK DOOR/TRUNK ROOM LAMP SW
67	GR	BACK DOOR/TRUNK LID OPENER SW

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FENH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	L	ROOM ANT 2-
73	P	ROOM ANT 2+
74	SH	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
75	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	L	ROOM ANT 1-
79	R	ROOM ANT 1+
80	GR	NATS ANT AMP

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

Connector No.	Wire	Signal Name (Specification)
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/R) CONT
83	GR	KEYS ENT RECEIVER (FRONT) COMA
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL
93	V	ON IND
95	O	ACC RELAY CONT
96	Y	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P/CLUTCH PEDAL POS SW
100	GR	PASSENGER DOOR REQUEST SW
101	Y	DRIVER DOOR REQUEST SW
102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYS ENT RECEIVER (FRONT) PWR SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	P	HAZARD SW

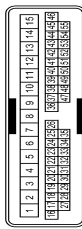
Connector No.	Wire	Signal Name (Specification)
M123		BCM (BODY CONTROL MODULE)
TH40FC-NH		



Terminal No.	Color Of Wire	Signal Name (Specification)
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	-
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	R	KEY SLOT SW
123	W	IGN F/R
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFROGGER SW
132	V	P/W SW & SFT TOP L/O COMA (Roadster models)
132	Y	POWER WINDOW SW COMA (couple models)
133	G	PUSH BUTTON IGNITION SW (L POWER)

Terminal No.	Color Of Wire	Signal Name (Specification)
134	GR	LOCK IND
137	P	RECEIVER & SENSOR POWER SUPPLY
138	V	RECEIVER & SENSOR RECEIV COMM
139	L	THRE PRESS RECEIV COMM
140	G	P/N POSITION
141	Y	SECURITY INDICATOR
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	Wire	Signal Name (Specification)
M124		WIRE TO WIRE
TH40MM-CS15		



Terminal No.	Color Of Wire	Signal Name (Specification)
9	SHIELD	-
10	G	-
11	V	-
12	LG	- [Without active noise control unit]
12	Y	- [With active noise control unit]
13	BR	- [With active noise control]
13	V	- [Without active noise control]
14	B	-
15	W	-
19	Y	-
23	Y/B	-
25	W	-
26	SHIELD	-
35	B	-
44	O	-
50	Y	-
51	Y	-
52	GR	-
53	W	-
54	G	-
55	R	-

Connector No.	Wire	Signal Name (Specification)
R1		WIRE TO WIRE
TH16FW-NH		



Terminal No.	Color Of Wire	Signal Name (Specification)
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
11	B	-
12	Y	-
13	G	-
15	SHIELD	-
16	G	-

Connector No.	Wire	Signal Name (Specification)
R2		VANITY MIRROR LAMP LH
MC40ZFW		



Terminal No.	Color Of Wire	Signal Name (Specification)
1	B	-
2	R	-

Connector No.	Wire	Signal Name (Specification)
R3		VANITY MIRROR LAMP RH
MC40ZFW		



Terminal No.	Color Of Wire	Signal Name (Specification)
1	B	-
2	R	-

Connector No.	Wire	Signal Name (Specification)
R4		MAP LAMP
Y06FSY		



Terminal No.	Color Of Wire	Signal Name (Specification)
1	R	-
2	V	-
3	B	-
4	SB	-
5	Y	-
6	GR	-

JRLWE8462GB

A
B
C
D
E
F
G
H
I
J
K
M
N
O
P

INL

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

[ROADSTER]

INTERIOR ROOM LAMP

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



6	5	4	3	2	1
12	11	10	9	8	7

15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-
4	B	-
5	Y	-
6	Y	-
7	SHIELD	-
8	SHIELD	-
9	G	-
10	B	-
11	G	-
12	Y	-

Connector No.	R12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

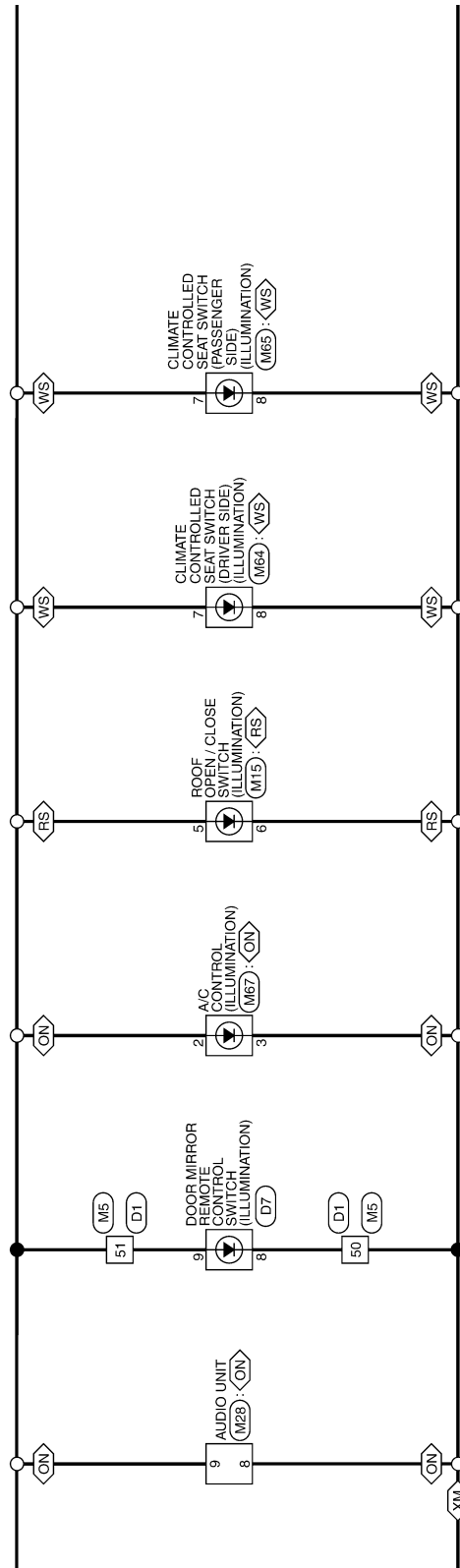
Terminal No.	Color Of Wire	Signal Name [Specification]
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
10	-	-
11	-	-
12	-	-

ILLUMINATION

< WIRING DIAGRAM >

[ROADSTER]

WB : With BOSE system
 OB : Without BOSE system
 ON : Without NAVI
 WS : With climate controlled seat



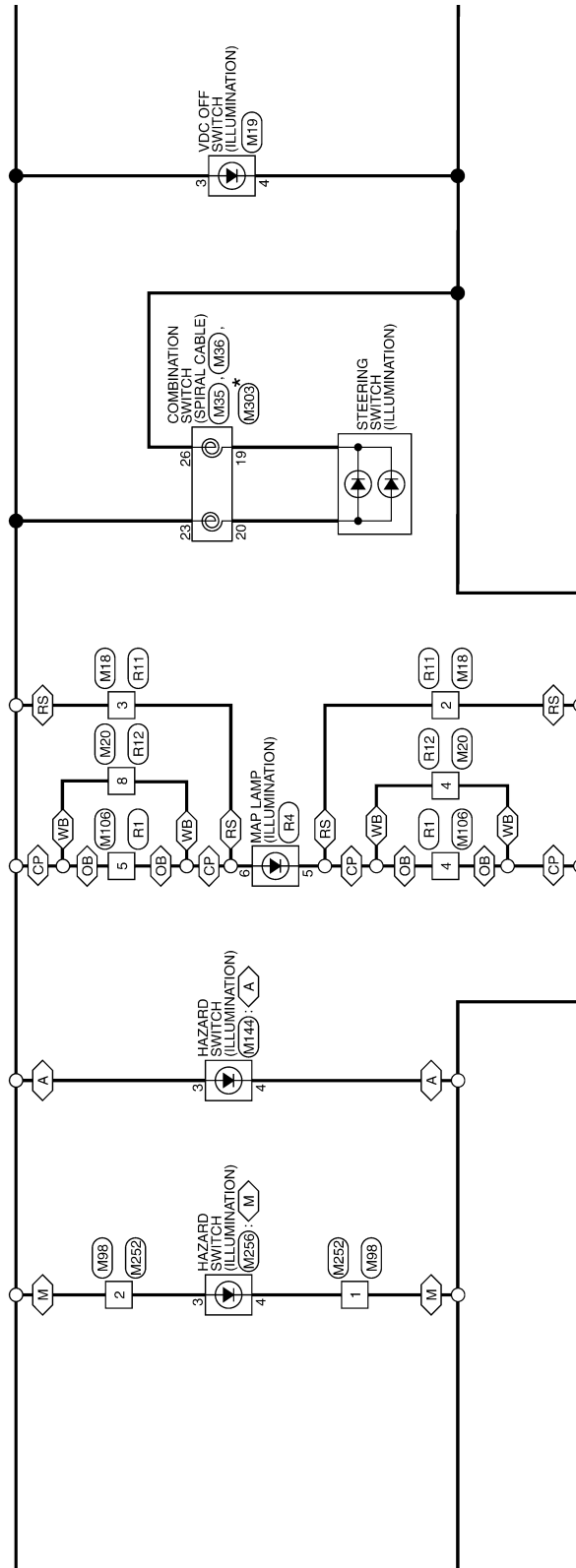
JRLWE8465GB

ILLUMINATION

< WIRING DIAGRAM >

[ROADSTER]

A : With A/T
M : With M/T



*: This connector is not shown in "Harness Layout".

JRLWE8466GB

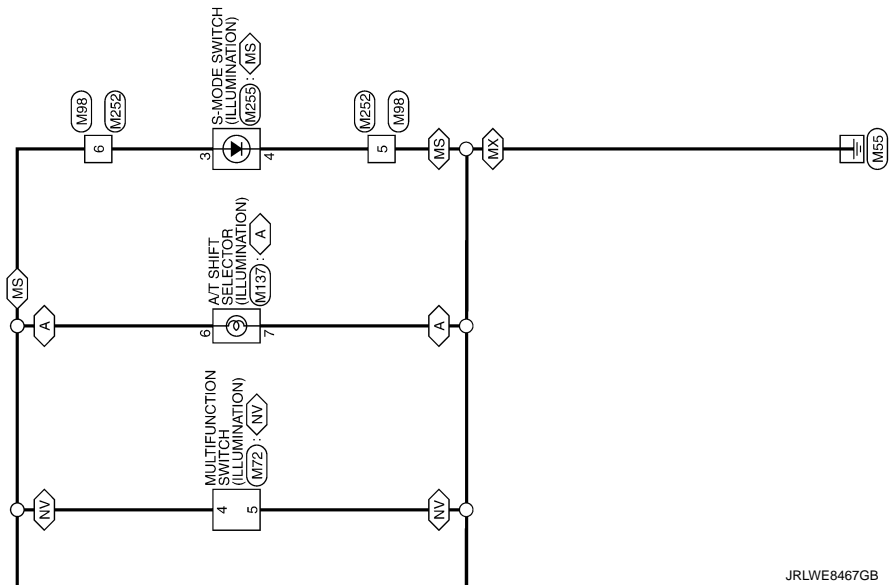
A
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ILLUMINATION

< WIRING DIAGRAM >

[ROADSTER]

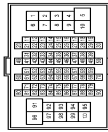
MX : For Mexico
MS : With M/T and SynchroRev Match mode



JRLWE8467GB

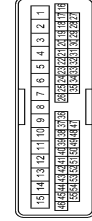
ILLUMINATION

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C316-TM4

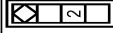


39	SB	-	-
40	Y	-	-
41	L	-	-
42	GR	-	- [Coupe models]
43	BR	-	- [Roadster models]
44	R	-	-
45	BG	-	- [Roadster models]
46	SB	-	-
47	SHIELD	-	- [Coupe models]
48	V	-	-
49	SHIELD	-	- [Roadster models]
50	V	-	- [Roadster models]
51	W	-	-
52	L	-	- [Coupe models]
53	R	-	- [Roadster models]
54	P	-	-
55	G	-	-
56	R	-	-
57	SHIELD	-	-
58	B	-	-
59	SB	-	-
60	SHIELD	-	-
61	GR	-	-
62	SHIELD	-	-
63	BR	-	-
64	V	-	-
65	SHIELD	-	-
66	P	-	-
67	L	-	-
68	SHIELD	-	-
69	R	-	-
70	G	-	-
71	V	-	-
72	P	-	-
73	BR	-	-
74	GR	-	-
75	BG	-	-
80	Y	-	-
81	R	-	-
82	B	-	-
83	GR	-	-
84	G	-	- [Coupe models]
85	L	-	- [Roadster models]
86	V	-	-
87	BR	-	-
88	GR	-	-
89	Y	-	-
94	G	-	-

95	LG	-	-
96	L	-	-
97	Y	-	-
98	W	-	- [Coupe models]
99	Y/B	-	- [Roadster models]
100	B	-	-

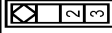


Connector No.	B16
Connector Name	DRIVER SIDE DOORS SWITCH
Connector Type	A03FW



Terminal No.	2	GR	Signal Name [Specification]
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Connector No.	B63
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	2	GR	Signal Name [Specification]
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Terminal No.	Color Of Wire	Signal Name [Specification]
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	BG	-
11	P	- [With BSC system]
12	V	- [Without BSC system]
13	B	-
14	SB	- [Coupe models]
15	V	- [Roadster models]
16	W	-
19	Y	-
23	Y/B	-
25	R	-
26	SHIELD	-
35	G	-
44	L	-
47	B	-
48	SB	-
49	W	-
50	LG	-
51	R	-
52	V	-
53	BG	-
54	GR	-
55	G	-

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ILLUMINATION

Connector No.	07
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	LG	-
9	R	-
10	Y	-
12	G	-
13	GR	-
14	BW	-
15	BG	-
16	BR	-

Connector No. E5

Connector Name POWER/INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ECU)

Connector Type TH20FW-CSI2-M42-1V



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
12	BW	- [Coupe models]
13	Y	- [Roadster models]
16	LG	-
19	W	-
23	G	-
27	Y	-

28	L	-
30	GR	-
36	G	-

Connector No. E5
Connector Name POWER/INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ECU)
Connector Type TH08FW-NH



42	41	40	39
46	45	44	43

Terminal No.	Color Of Wire	Signal Name [Specification]
29	P	-
40	-	-
41	BW	-
42	V	-
43	S8	-
44	W	-
45	G	-
46	V	-

Connector No. E103

Connector Name FUSE BLOCK (J/B)

Connector Type NS16FW-CS



3F	4F	5F	6F	7F	8F	9F	0F
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Terminal No.	Color Of Wire	Signal Name [Specification]
11F	W	-
1F	S8	-
2F	W	-
4F	G	-
6F	BS	-
8F	L	-
9F	R	- [Coupe models]

9F	V	- [Roadster models]
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Connector No. E106
Connector Name WIRE TO WIRE
Connector Type TH8BFW-CS16-TM4



4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	L	-
4	b	-
7	P	-
8	P	-
9	B	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	S8	-
20	LG	-
21	BR	-
21	G	- [Coupe models]
31	L	- [Roadster models]
32	Y	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	S8	-
43	G	-
44	GR	-
44	R	- [Except for roadster models with W/T]
45	BS	- [Roadster models with W/T]
46	W	-
46	W	-
58	SHIELD	-
59	L	-

70	P	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	R	-
89	P	-
91	W	-
92	L	-
93	G	-
94	Y	-
96	Y	-
98	GR	-
99	LG	-
100	BG	-

Connector No. M1

Connector Name FUSE BLOCK (J/B)

Connector Type NS06FW-M2

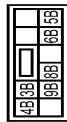


3A	2A	1A
8A	7A	6A
5A	4A	3A

Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	BR	-
8A	L	-

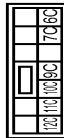
ILLUMINATION

Connector No.	M2
Connector Name	FUSE BLOCK (1/8)
Connector Type	NS10PW-CS



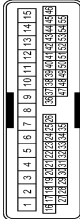
Terminal No.	Color Of Wire	Signal Name (Specification)
3B	P	-
4B	G	-
5B	O	-
6B	Y	-
8B	R	-
9B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (1/8)
Connector Type	NS12PW-CS



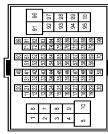
Terminal No.	Color Of Wire	Signal Name (Specification)
10C	L	-
11C	LG	-
12C	O	-
6C	R	-
7C	B	-
9C	O	- [Roadster models]
9C	R	- [Coupe models]

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name (Specification)
6	SHIELD	-
7	Y	-
8	Y	-
9	G	-
10	V	-
11	V	- [Without active noise control]
12	BR	- [With active noise control]
13	B	- [Without active noise control]
14	V	-
15	W	-
16	W	-
17	Y	-
19	Y	-
23	Y/O	-
25	Y	-
26	SHIELD	-
35	BR	-
44	L	-
47	B	-
48	SB	-
49	Y	-
50	W	-
51	R	-
52	L	-
53	W	-
54	G	-
55	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1F-TM4



Terminal No.	Color Of Wire	Signal Name (Specification)
1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	-
11	GR	-
12	R	-
13	G	-
14	G	-
15	P	-
16	W	-
17	BR	-
20	GR	-
21	R	-
31	BR	-
32	V	-
36	SB	-
37	Y	-
38	LG	-
39	SB	-
40	W	-
41	LG	-
42	R	-
43	G	-
44	G	-
44	R	- [With A/T]
45	O	- [With M/T]
46	G	-
47	BR	-
58	SHIELD	-
59	L	-
70	R	-
80	LG	-
81	GR	-
82	V	-

83	V	-
84	L	-
85	BR	-
86	Y	-
87	G	-
89	P	-
91	W	-
92	P	-
93	P	-
94	Y	-
95	P	-
98	O	-
99	W	-
100	R	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1F-TM4



Terminal No.	Color Of Wire	Signal Name (Specification)
1	BR	-
2	O	-
3	LG	-
4	O	-
6	V	-
7	LG	-
8	SB	-
9	GR	-
11	Y	-
12	V	-
13	BR	-
14	V	-
15	B	-
16	V	-
17	R	-
18	L	-
20	SB	-
21	G	-
22	GR	-
23	V	-

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ILLUMINATION

24	R	-	-	-	-
25	L	-	-	-	-
26	P	-	-	-	-
27	B	-	-	-	-
28	SHIELD	-	-	-	-
31	W	-	-	-	-
32	B	-	-	-	-
33	W	-	-	-	-
34	R	-	-	-	-
35	B	-	-	-	-
36	L	-	-	-	-
37	SH	-	-	-	-
38	SH	-	-	-	-
39	SH	-	-	-	-
40	L	-	-	-	-
41	R	-	-	-	-
42	GR	-	-	-	-
43	R	-	-	-	-
44	R	-	-	-	-
45	R	-	-	-	-
46	G	-	-	-	-
47	SHIELD	-	-	-	-
48	R	-	-	-	-
49	V	-	-	-	-
51	V	-	-	-	-
52	L	-	-	-	-
53	P	-	-	-	-
54	G	-	-	-	-
55	R	-	-	-	-
57	SHIELD	-	-	-	-
58	B	-	-	-	-
60	L	-	-	-	-
61	R	-	-	-	-
62	SHIELD	-	-	-	-
63	R	-	-	-	-
64	G	-	-	-	-
65	SHIELD	-	-	-	-
66	LG	-	-	-	-
67	V	-	-	-	-
68	SHIELD	-	-	-	-
69	L	-	-	-	-
70	P	-	-	-	-
71	V	-	-	-	-
72	Y	-	-	-	-
73	BR	-	-	-	-
74	GR	-	-	-	-

75	O	-	-	-	-
80	Y	-	-	-	-
81	W	-	-	-	-
82	BR	-	-	-	-
83	GR	-	-	-	-
84	L	-	-	-	-
85	LG	-	-	-	-
86	V	-	-	-	-
87	BR	-	-	-	-
88	SH	-	-	-	-
93	Y	-	-	-	-
94	L	-	-	-	-
95	W	-	-	-	-
96	L	-	-	-	-
97	LG	-	-	-	-
98	Y	-	-	-	-
99	BR	-	-	-	-
100	B	-	-	-	-

Connector No.	M9
Connector Name	DIODE
Connector Type	24335, C9900



Connector No.	M15
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	1006FW-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
3	V	-
4	BR	-
5	R	-
6	R	-

Connector No.	M15B
Connector Name	WIRE TO WIRE
Connector Type	TH12MM-MH



Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	1006FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	R	-
4	W	-

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH2MM-MH

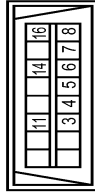


Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
10	SH	-
11	SH	-
12	SH	-
15	B	-
16	G	-
17	Y	-
18	SHIELD	-
19	R	-
20	G	-
21	V	-
23	V	-

ILLUMINATION

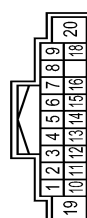
24	V	-
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Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	- [Coupe models]
4	B	- [Roadster models]
5	B	-
6	Y	-
7	Y	-
8	G	-
11	LG	- [Roadster models]
14	Y	- [Coupe models]
16	Y	-

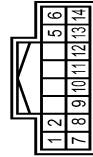
Connector No.	M28
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BOSE AMP. ON SIGNAL
2	LG	SOUND SIGNAL FRONT SPEAKER LH (+) [Without active noise control]
3	V	SOUND SIGNAL FRONT SPEAKER LH (-)
4	L	SOUND SIGNAL REAR SPEAKER LH (+)
5	R	SOUND SIGNAL REAR SPEAKER LH (-)

6	W	STEERING SW SIGNAL A
7	L	ACC. POWER SUPPLY
8	W	ILLUMINATION SIGNAL (-)
9	R	ILLUMINATION SIGNAL (+)
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT SPEAKER RH (+) [With active noise control]
12	LG	SOUND SIGNAL FRONT SPEAKER RH (-) [Without active noise control]
13	P	SOUND SIGNAL FRONT SPEAKER RH (+) [Without active noise control]
14	R	SOUND SIGNAL REAR SPEAKER RH (+)
15	B	SOUND SIGNAL REAR SPEAKER RH (-)
16	GR	STEERING SW SIGNAL GROUND
18	Y	STEERING SW SIGNAL B
19	Y	VEHICLE SPEED SIGNAL (B-PULSE)
20	SHIELD	BATTERY SHIELD

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	FR. WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GROUND
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH08FW-1V



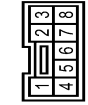
Terminal No.	Color Of Wire	Signal Name [Specification]
23	W	-
28	Y	-
29	Y	-
30	Y	-

Connector No.	M36
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH08FW-1V



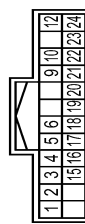
Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
26	W	-
31	L	-
32	Y	-
33	B	-
34	LG	-

Connector No.	M50
Connector Name	PUSH-BUTTON (IGNITION SWITCH)
Connector Type	TK08FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	G	-
4	BR	-
5	GR	-
6	Y	-
7	V	-
8	P	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	O	IGNITION SIGNAL
3	L	VEHICLE SPEED SIGNAL (2-PULSE)
4	V	VEHICLE SPEED SIGNAL (8-PULSE) [For Mexico]
5	B	VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico]
6	R	ILLUMINATION CONTROL SIGNAL
9	BR	ROOF STATUS SIGNAL
10	L	COMMUNICATION SIGNAL (METER-STRIPLE METER)
12	G	COMMUNICATION SIGNAL (METER-METER)
15	L	S-WOPE SWITCH SIGNAL
16	R	ACC. POWER SUPPLY
18	R	AIR BAG SIGNAL

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ILLUMINATION

Terminal No.	Color Of Wire	Signal Name [Specification]
17	B	GROUND
18	V	AMBIENT SENSOR SIGNAL
19	G	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
20	GR	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	Y	FUEL LEVEL SENSOR GROUND

Connector No.	M64
Connector Name	FUEL-LEVEL CONTROLLED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



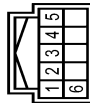
Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	V	-
3	P	-
4	GR	-
5	GR	-
6	B	-
7	R	-
8	R	-

Connector No.	M65
Connector Name	FUEL-LEVEL CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FR



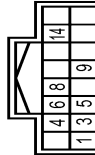
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	L	-
4	O	-
5	Y	-
6	B	-
7	R	-
8	R	-

Connector No.	M67
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



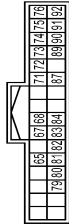
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	IGNITION POWER SUPPLY
2	R	ILL*
3	W	ILL*
4	P	TX (SW AMP)
5	L	RX (AMP SW)
6	B	GROUND

Connector No.	M72
Connector Name	MULTI-FUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
3	L	ACC
4	R	ILL
5	W	ILL CONT
6	LG	AV COMM (H)
8	Y	AV COMM (L)
9	BR	SW GND
14	SB	DISK EJECT SIGNAL

Connector No.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	O	PARKING BRAKE SIGNAL
67	L	COMPOSITE IMAGE GROUND
68	G	COMPOSITE IMAGE SIGNAL
71	SHIELD	SHIELD
72	R	MICROPHONE VCC
73	G	COMMUNICATION SIGNAL (CONT-DISP)
74	P	CAN-L
75	LG	AV COMMUNICATION SIGNAL (L)
76	LG	AV COMMUNICATION SIGNAL (L)
79	R	ILLUMINATION SIGNAL
80	G	IGNITION SIGNAL
81	O	REVERSE SIGNAL
82	Y	VEHICLE SPEED SIGNAL (B-PULSE)
83	B	SHIELD
84	Y	SHIELD
87	G	MICROPHONE SIGNAL
89	R	COMMUNICATION SIGNAL (DISP-CONT)
90	L	CAN-H
91	Y	AV COMMUNICATION SIGNAL (H)
92	Y	AV COMMUNICATION SIGNAL (H)

Connector No.	M98
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	GR	-
4	P	-
5	B	-
6	L	-
7	B	-
8	G	-

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
11	B	-
12	G	-
13	Y	-
14	SHIELD	-
15	R	-
16	G	-

ILLUMINATION

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



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

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M156FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
4	R		INTERIOR ROOM LAMP POWER SUPPLY
5	G		PASSENGER DOOR UNLOCK OUTPUT
8	V		ALL DOOR FUEL LID LOCK OUTPUT
9	G		DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	BR		BAT (FUSE)
13	B		GROUND
14	R		PUSH-BUTTON IGNITION SW ILL GND
15	Y		ACC IND
17	W		TURN SIGNAL RH (FRONT, SIDE)
18	O		TURN SIGNAL LH (FRONT, SIDE)
19	P		ROOM LAMP TIMER CONTROL

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T140FB-NH



Terminal No.	Color	Wire	Signal Name [Specification]
72	L		ROOM ANT 2-
73	P		ROOM ANT 2+
74	SB		PASSENGER DOOR ANT-
75	BR		PASSENGER DOOR ANT+
76	V		DRIVER DOOR ANT-
77	LG		DRIVER DOOR ANT+
78	L		ROOM ANT 1-
79	V		ROOM ANT 1+
80	GR		NOISEY LAMP
81	W		NOISEY LAMP
82	R		IGN RELAY (F/R) CONT
83	GR		KYLS ENT RECEIVER (FRONT) COMM
87	BR		COMBI SW INPUT 5
88	V		COMBI SW INPUT 3
90	P		CAN-L
91	L		CAN-H
92	LG		KEY SLOT ILL
93	V		ON IND
95	O		ACC RELAY CONT
96	Y		A/T SHIFT SELECTOR POWER SUPPLY
99	R		SHIFT P/CLUTCH PEDAL POS SW
100	GR		PASSENGER DOOR REQUEST SW
101	Y		DRIVER DOOR REQUEST SW
102	O		BLOWER FAN MOTOR RELAY CONT
103	LG		KYLS ENT RECEIVER (FRONT) PWR SUPPLY
107	LG		COMBI SW INPUT 1
108	R		COMBI SW INPUT 4
109	Y		COMBI SW INPUT 2
110	P		HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T140FG-NH



Terminal No.	Color	Wire	Signal Name [Specification]
113	O		OPTICAL SENSOR
114	R		CLUTCH INTERLOCK SW
115	O		-
116	SB		STOP LAMP SW 1
118	P		STOP LAMP SW 2
119	SB		DR DOOR UNLOCK SENSOR
121	R		KEY SLOT SW
123	W		KEY FOR ON SW
124	LG		PASSENGER CANCEL SW
125	LG		TRUNK LID OPENER CANCEL SW
129	O		REAR DEFROGGER SW
130	L		P/W SW & SOFT TOP C/L COMM (Roadster models)
132	V		POWER WINDOW SW COMM (Coupe models)
133	G		PUSH BUTTON IGNITION SW ILL POWER
134	GR		LOCK IND
137	P		RECEIVER & SENSOR POWER SUPPLY
138	V		TIRE PRESS RECEV COMM
139	L		P/N POSITION
140	G		SECURITY INDICATOR
141	Y		COMBI SW OUTPUT 5
142	O		COMBI SW OUTPUT 1
143	P		COMBI SW OUTPUT 2
144	G		COMBI SW OUTPUT 3
145	L		COMBI SW OUTPUT 4
146	SB		COMBI SW OUTPUT 1
150	GR		DRIVER DOOR SW
151	G		REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M144
Connector Name	HAZARD SWITCH
Connector Type	T104FW



Terminal No.	Color	Wire	Signal Name [Specification]
1	GR		GROUND
2	P		BCM
3	R		ILL+
4	B		ILL-

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ILLUMINATION

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH08BMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [Coupe models]
1	O	- [Roadster models]
2	SB	-
3	B	-
4	G	-
5	B	-
6	G	-
7	G	-
8	G	-

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TQ04EGY



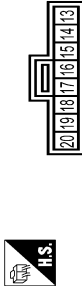
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	L	-
4	B	-

Connector No.	M256
Connector Name	HAZARD SWITCH
Connector Type	TQ04FW



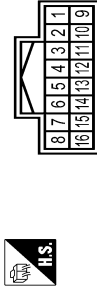
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	BCM
3	SB	ILL+
4	BG	ILL- [Coupe models]
4	O	ILL- [Roadster models]

Connector No.	M263
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TQ08EGY



Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	R	-
6	B	-
7	P	-
8	R	-
9	B	-
10	G	-
11	B	-
12	G	-
13	SHIELD	-
14	SHIELD	-
15	R	-
16	G	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TQ06GY



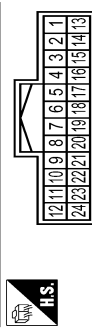
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	V	-
3	B	-
4	SB	-
5	Y	-
6	GR	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH13FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-
4	B	-
5	V	-
6	R	-
7	SHIELD	-
8	G	-
9	G	-
10	B	-
11	G	-
12	Y	-

Connector No.	R12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

A
B
C
D
E
F
G
H
I
J
K
INL
M
N
O
P

ILLUMINATION	15	-	-
	16	-	-
	17	-	-
	18	-	-
	19	-	-
	20	-	-
	22	-	-
	23	-	-
	24	-	-

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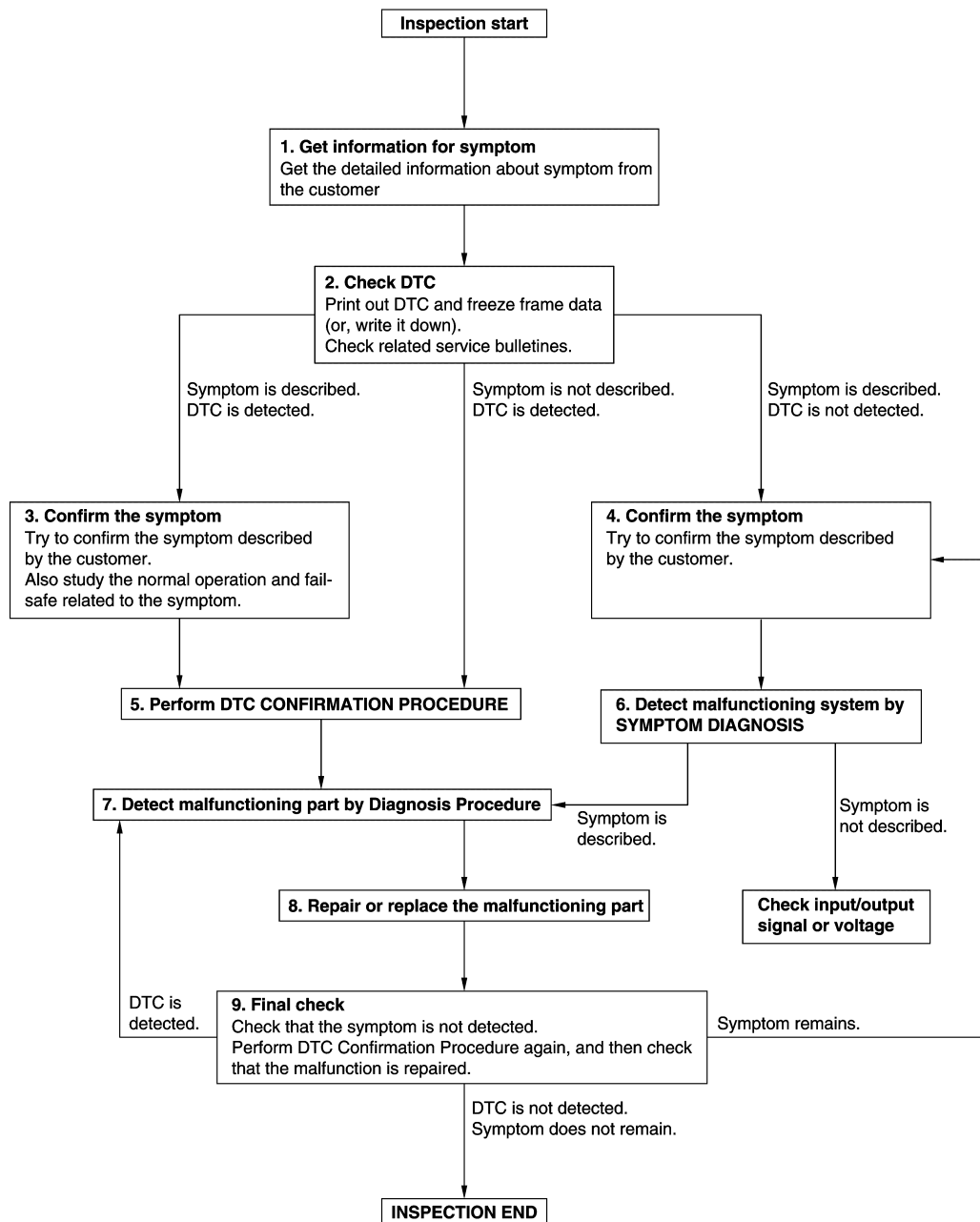
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011735354

OVERALL SEQUENCE



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DETAILED FLOW

DIAGNOSIS AND REPAIR WORK FLOW

[ROADSTER]

< BASIC INSPECTION >

1.GET INFORMATION FOR SYMPTOM

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

>> GO TO 2.

2.CHECK DTC

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

Are any symptoms described and any DTC detected?

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

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

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

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.
If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-45. "Intermittent Incident"](#).

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

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

Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CONSULT.

7.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW

[ROADSTER]

< BASIC INSPECTION >

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to [GI-45. "Intermittent Incident"](#).

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

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

>> GO TO 9.

9. FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.

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

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000011735355

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

Component Function Check

INFOID:0000000011735356

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

- Turn the ignition switch ON.
- 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.
- 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-113, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735357

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

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

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		BATTERY SAVER	
Connector	Terminal		
M119	4	Off	0 V
		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)
 - Trunk room lamp
 - Cargo area courtesy light
- Check continuity between BCM harness connector and each interior room lamp harness connector.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector		Terminal	
M119	4	Map lamp	R4	1	Existed
		Vanity mirror lamp (LH)	R2	2	
		Vanity mirror lamp (RH)	R3	2	
		Trunk room lamp	B55	1	
		Cargo area courtesy 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.

BCM		Ground	Continuity
Connector	Terminal		
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]

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:0000000011735358

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:0000000011735359

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

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. 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 dimming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to [INL-115, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735360

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		INT LAMP	
M119	19		On	Existed
			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.
3. Check continuity between BCM harness connector and map lamp harness connector.

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

BCM		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
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.

BCM		Ground	Continuity
Connector	Terminal		
M119	19		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

TRUNK ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

TRUNK ROOM LAMP CIRCUIT

Description

INFOID:0000000011735361

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

Component Function Check

INFOID:0000000011735362

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

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "LUGGAGE LAMP TEST" of BCM (INT LAMP) active test item.
3. 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-117, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735363

1.CHECK TRUNK ROOM LAMP OUTPUT

CONSULT ACTIVE TEST

1. Turn the ignition switch OFF.
2. Remove trunk room lamp bulb.
3. Turn the ignition switch ON.
4. 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.

BCM		Ground	Test item	Continuity
Connector	Terminal		LUGGAGE LAMP TEST	
M120	30		On	Existed
			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.
3. Check continuity between BCM harness connector and trunk room lamp harness connector.

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

Does continuity exist?

- YES >> Replace the trunk room lamp.

TRUNK ROOM LAMP CIRCUIT

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

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.

BCM		Ground	Continuity
Connector	Terminal		
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]

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000011735364

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

Component Function Check

INFOID:0000000011735365

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item.
3. 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-119, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000011735366

1.CHECK ILLUMINATION CONTROL SWITCHING OPERATION

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

Condition	Push-button ignition switch illumination
<ul style="list-style-type: none">• Ignition switch ON• Lighting switch 1ST	ON
<ul style="list-style-type: none">• 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

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

Does the continuity exist?

YES >> Replace BCM. Refer to [BCS-106, "Removal and Installation"](#)

NO >> Repair the harness or the connector.

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

CONSULT ACTIVE TEST

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		ENGINE SW ILLUMI	
Connector	Terminal		
M123	133	ON	5 V
		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		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
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		Ground	Continuity
Connector	Terminal		
M123	133		Not existed

Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM. Refer to [BCS-106. "Removal and Installation"](#)

INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

[ROADSTER]

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000011735367

CAUTION:

Perform the self-diagnosis with CONSULT 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-113, "Component Function Check" .
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed.	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-290, "Component Function Check" . Interior room lamp control circuit Refer to INL-115, "Component Function Check" .
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-73, "INT LAMP : CONSULT Function (BCM - INT LAMP) (Roadster Models)" .
• Trunk room lamp does not turn ON. (The bulb is normal.) • Trunk room lamp does not turn OFF.	• Harness between BCM and trunk room lamp switch • Harness between BCM and trunk room lamp • BCM	Trunk room lamp switch circuit Refer to DLK-303, "Component Function Check" . Trunk room lamp circuit Refer to INL-117, "Component Function Check" .
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-119, "Component Function Check" .
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-74, "BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER) (Roadster Models)" .

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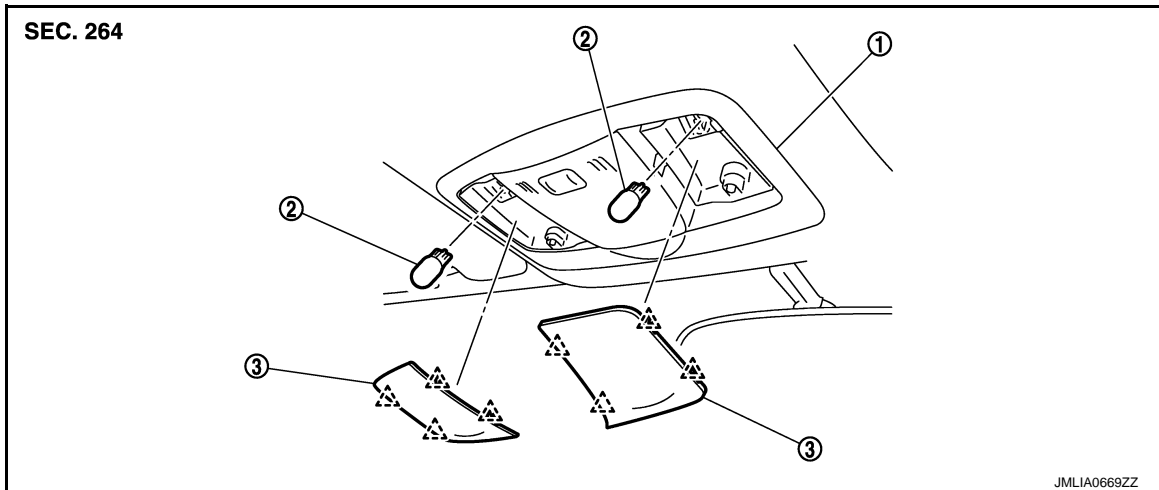
INL

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000011735368



1. Map lamp assembly

2. Bulb

3. Lens

△ : Pawl

Removal and Installation

INFOID:0000000011735369

Refer to [INT-28. "Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:0000000011735370

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.

VANITY MIRROR LAMP

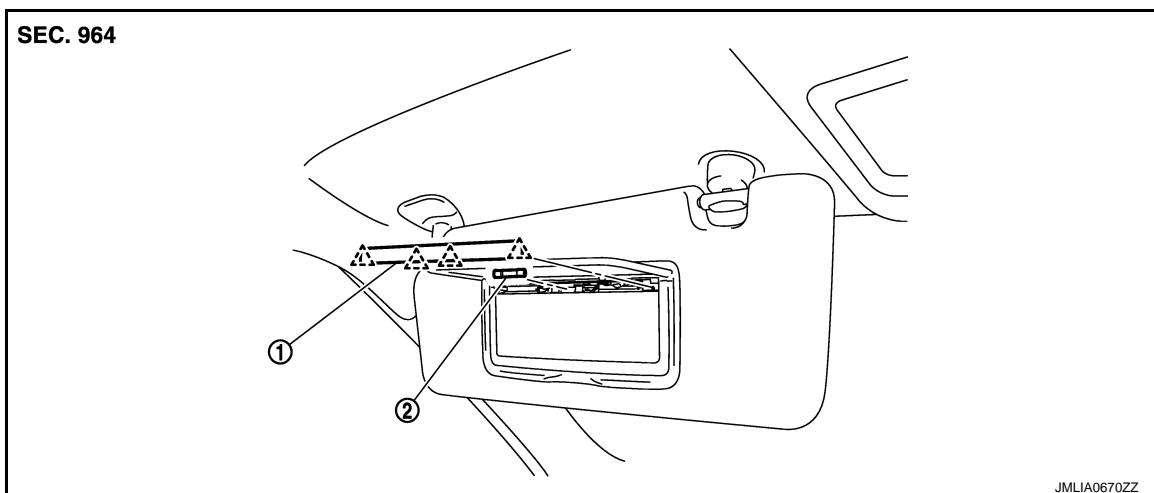
< REMOVAL AND INSTALLATION >

[ROADSTER]

VANITY MIRROR LAMP

Exploded View

INFOID:0000000011735371



1. Lens

2. Bulb

△ : Pawl

Replacement

INFOID:0000000011735372

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.
2. Remove the bulb.

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CARGO AREA COURTESY LIGHT

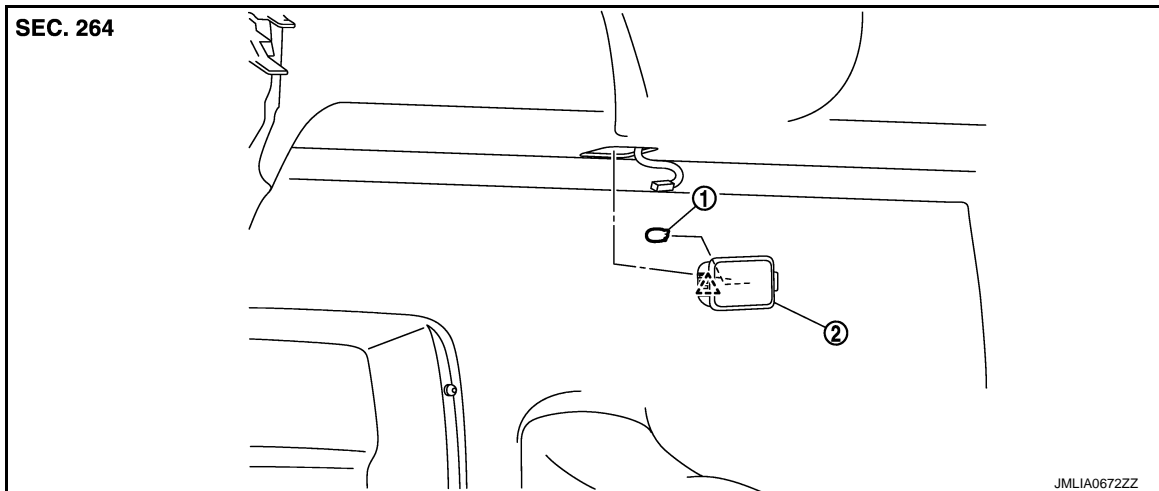
< REMOVAL AND INSTALLATION >

[ROADSTER]

CARGO AREA COURTESY LIGHT

Exploded View

INFOID:0000000011735373



1. Bulb
2. Cargo area courtesy light

△ : Pawl

Removal and Installation

INFOID:0000000011735374

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. 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:0000000011735375

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

1. Remove cargo area courtesy light. Refer to [INL-124, "Removal and Installation"](#).
2. Remove the bulb.

TRUNK ROOM LAMP

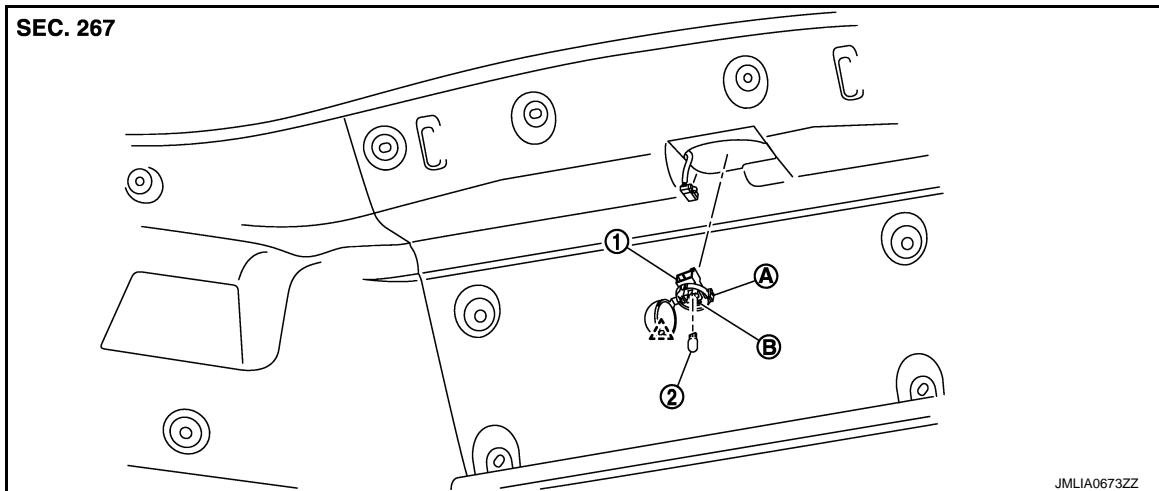
< REMOVAL AND INSTALLATION >

[ROADSTER]

TRUNK ROOM LAMP

Exploded View

INFOID:0000000011735376



1. Trunk room lamp 2. Bulb

A : Lens fixing pawl

B : Trunk room lamp fixing pawl

△ : Pawl

Removal and Installation

INFOID:0000000011735377

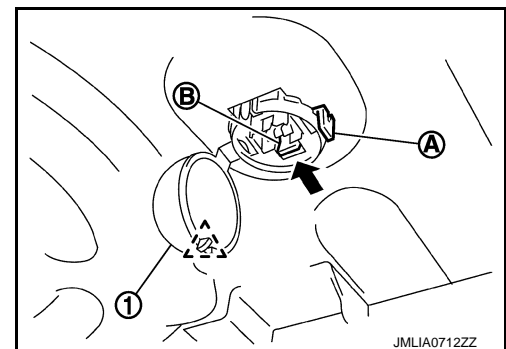
CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Disengage lens (1) fixing pawl (A) and open the lens.
2. Remove the bulb.
3. 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.
4. Disconnect the connector and remove trunk room lamp.

△ : Pawl



INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:0000000011735378

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.
2. 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:0000000011735379

Item	Type	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