SECTION INL
INTERIOR LIGHTING SYSTEM

CONTENTS

COUPE

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:0000000005568887

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

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the “SRS AIR BAG”.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

FOR USA AND CANADA : Precaution for Battery Service

INFOID:0000000005568889

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

FOR MEXICO

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

INFOID:0000000005568890

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

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the “SRS AIR BAG”.**

- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

FOR MEXICO : Precaution for Battery Service

INFOID:0000000005568892

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.

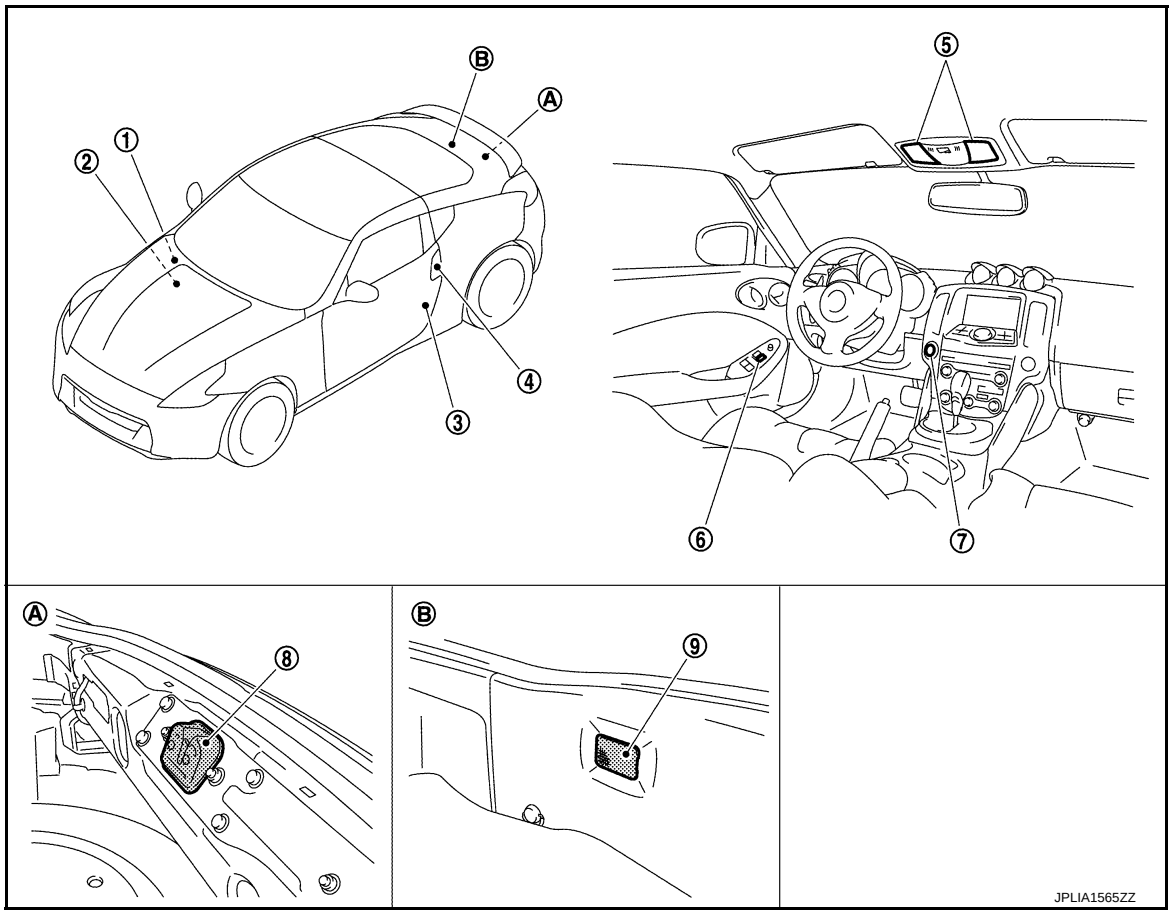
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000005233640



1. Remote keyless entry receiver
   Refer to SEC-13, "Component Parts Location".
2. BCM
   Refer to BCS-9, "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:0000000005233641

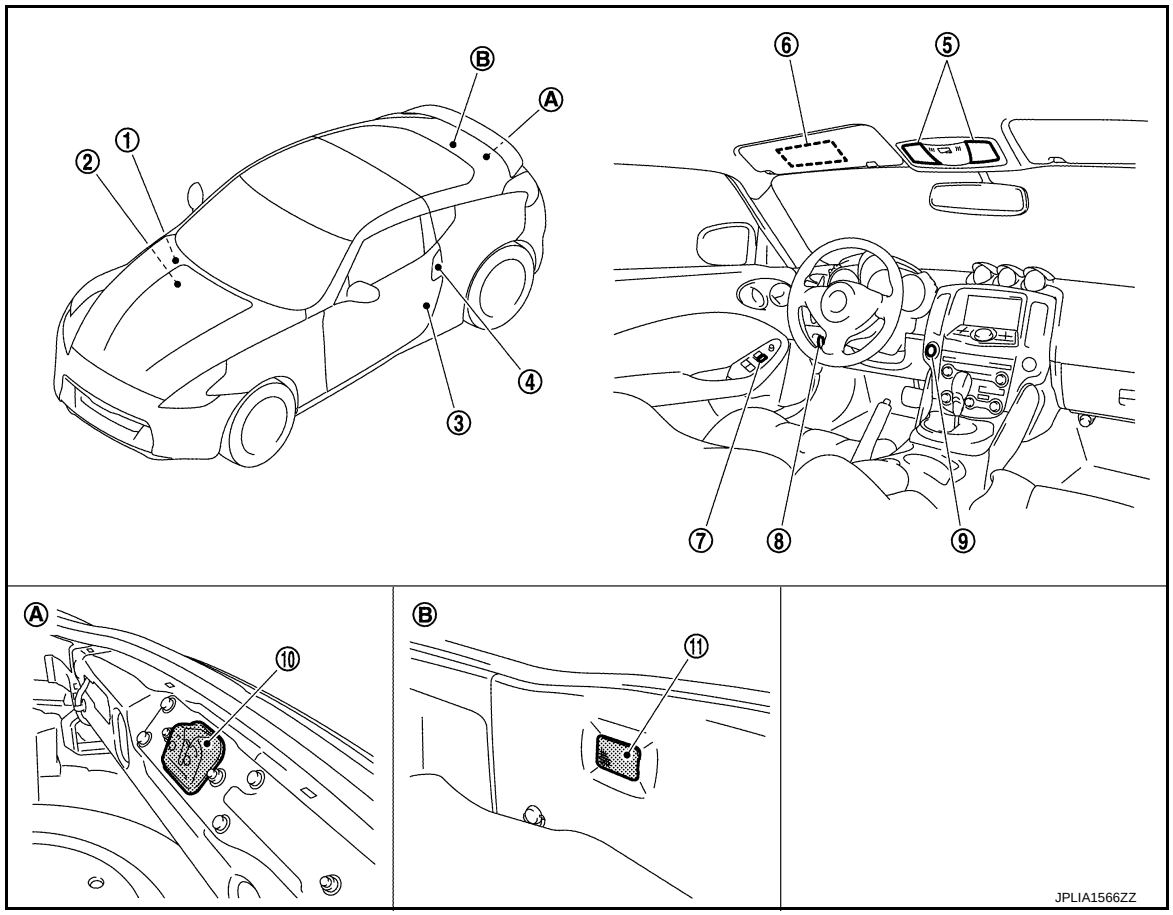
Part	Description
BCM	• Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF. • Turns the luggage room lamp ON /OFF according to the luggage room lamp switch status.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.

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

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Parts Location

INFOID:0000000005233644



1. Remote keyless entry receiver
   Refer to DLK-15, "POWER DOOR LOCK SYSTEM : Component Parts Location".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • 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:0000000005233645

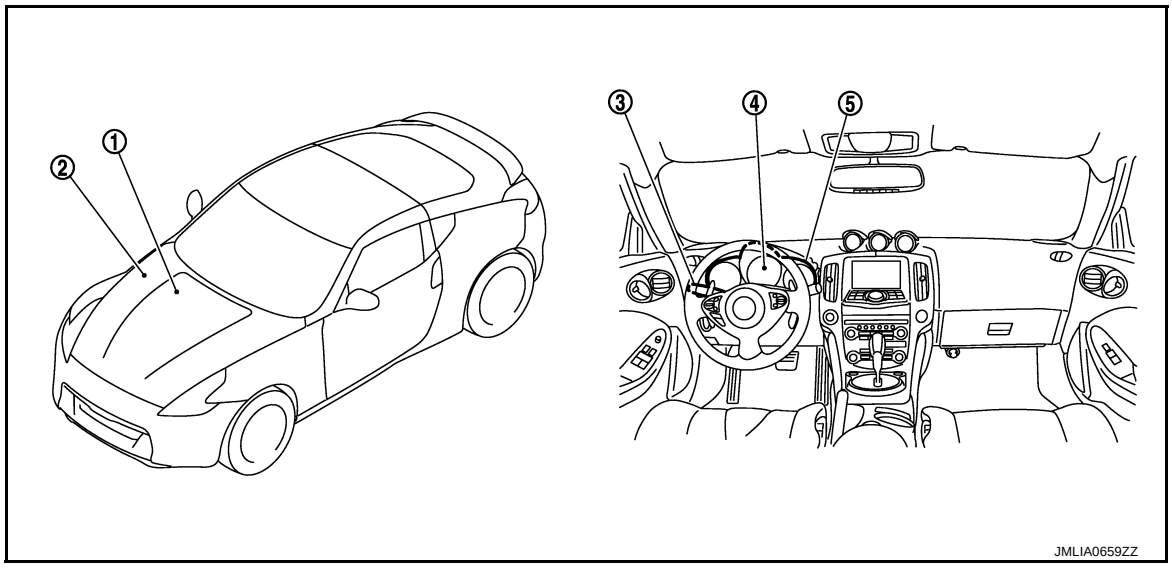
Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.

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

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:0000000005233648



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

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000005233649

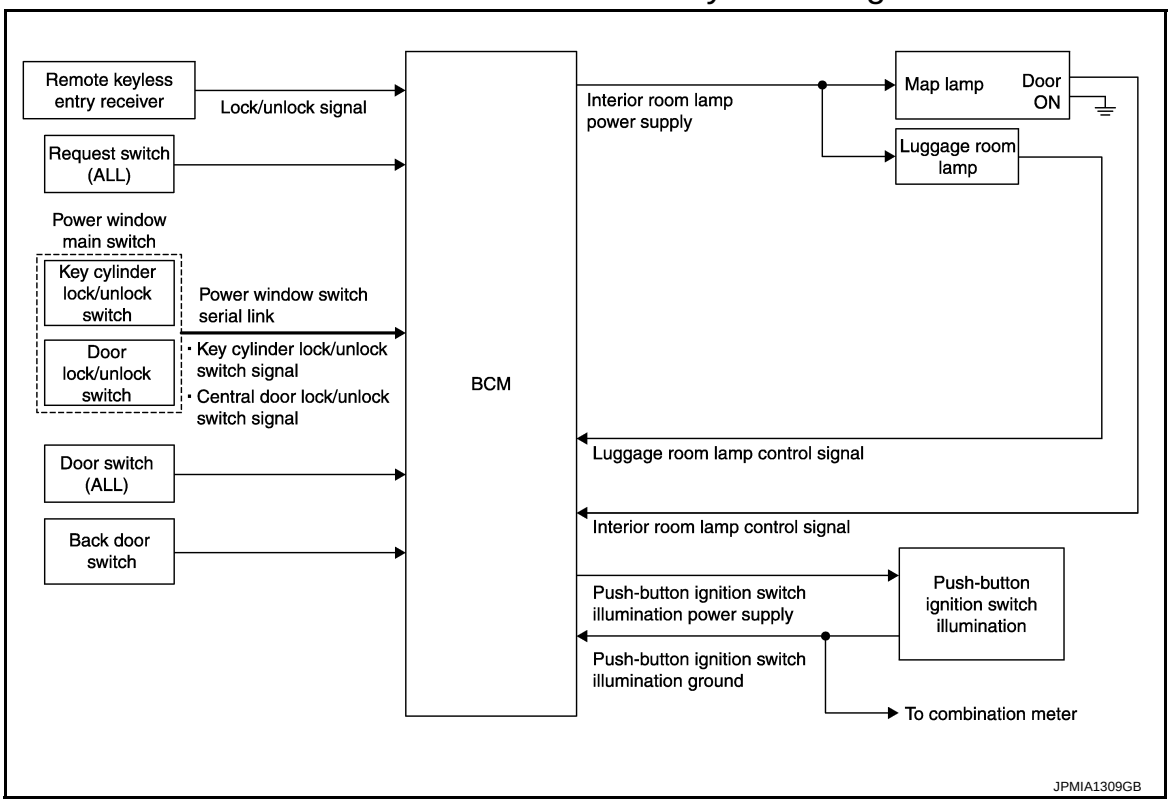
Part	Description
BCM	• Detects each switch condition by the combination switch reading function. • Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).
IPDM E/R	Controls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

SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000005233638



INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

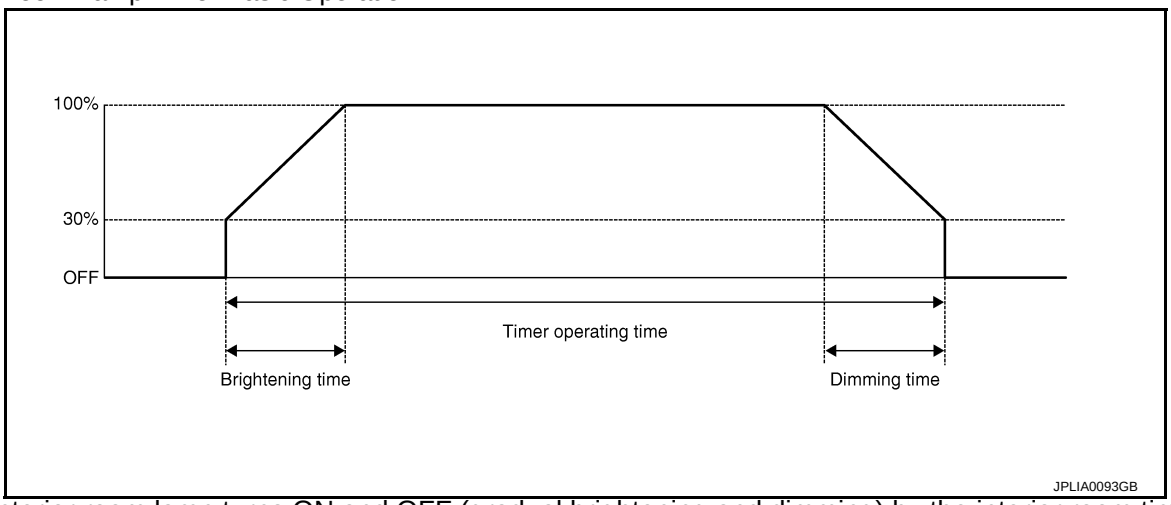
INFOID:0000000005233639

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.

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

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

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

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

Interior Room Lamp OFF Operation
BCM stops the timer in any of the following conditions to turns the interior room lamp OFF.
- The timer operating time is expired.
- Ignition switch position is other than OFF with all doors close.
- Any door lock operation is detected with all doors close.

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

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

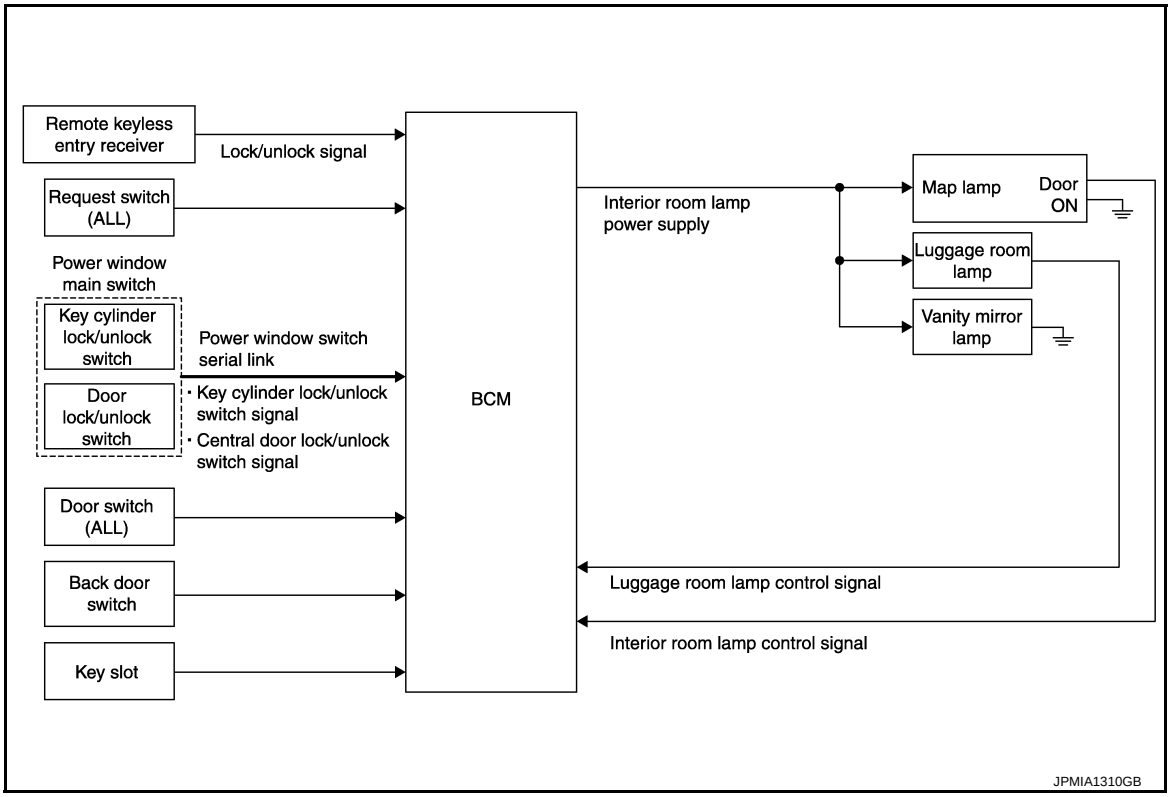
Push-button Ignition Switch Illumination ON Operation
BCM turns the push-button ignition switch illumination ON in the following conditions.
- Ignition switch ON
- Each illumination (tail lamp) ON
- Any of the following conditions with ignition switch OFF
  - Engine start permission is entered.
  - Intelligent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

Push-button Ignition Switch Illumination OFF Operation
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
  - Each illumination (tail lamp) OFF
  - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK.

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

INFOID:0000000005233642



INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000005233643

OUTLINE

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

Applicable lamps

- Map lamp
- Luggage room lamp
- Vanity mirror lamp

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

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

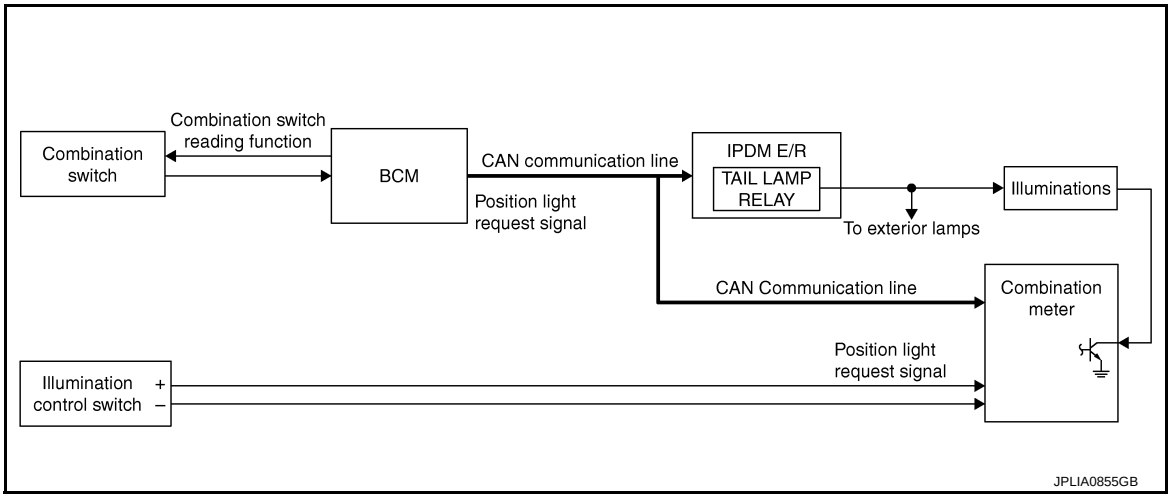
NOTE:

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to INL-16, "BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Coupe Models)".

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:0000000005233646



ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000005233647

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-6, "METER SYSTEM : System Diagram".)

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 night-time mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

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

INFOID:0000000005588104

APPLICATION ITEM

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

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

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

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

NOTE:

*: 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-III.

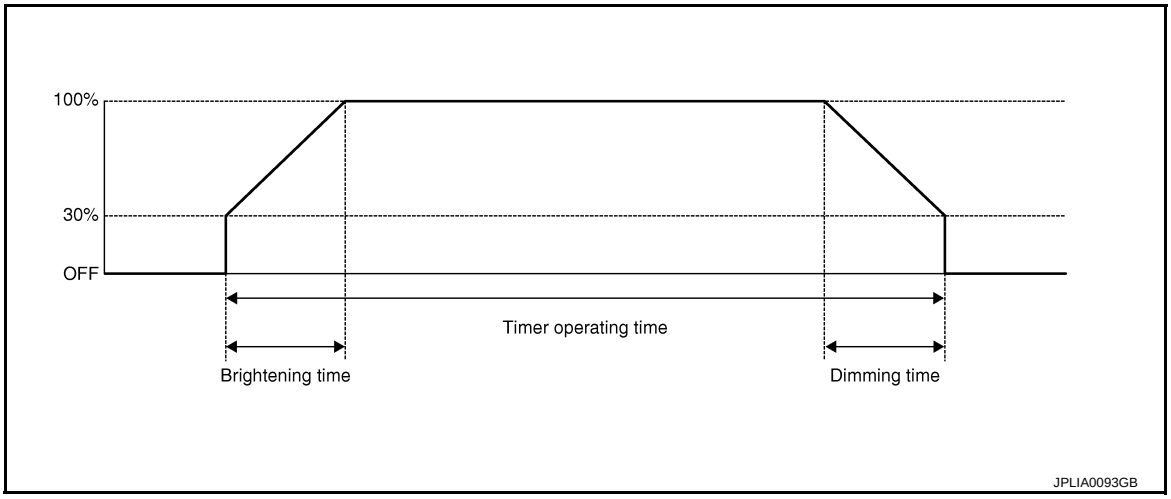
CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power position status of the moment a particular DTC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

INT LAMP

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

INFOID:0000000005233651

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

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]	

Monitor item [Unit]	Description
PUSH SW [On/Off]	The switch status input from push-button ignition switch
ACC RLY-F/B [On/Off]	**NOTE:** The item is indicated, but not monitored.
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
KEY SW-SLOT [On/Off]	Key switch status input from key slot
DOOR SW-DR [On/Off]	The switch status input from driver side door switch
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch
DOOR SW-RR [On/Off]	**NOTE:** 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

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

INFOID:0000000005233652

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.	

*: Factory setting

DATA MONITOR

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	**NOTE:** 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
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:0000000005402647

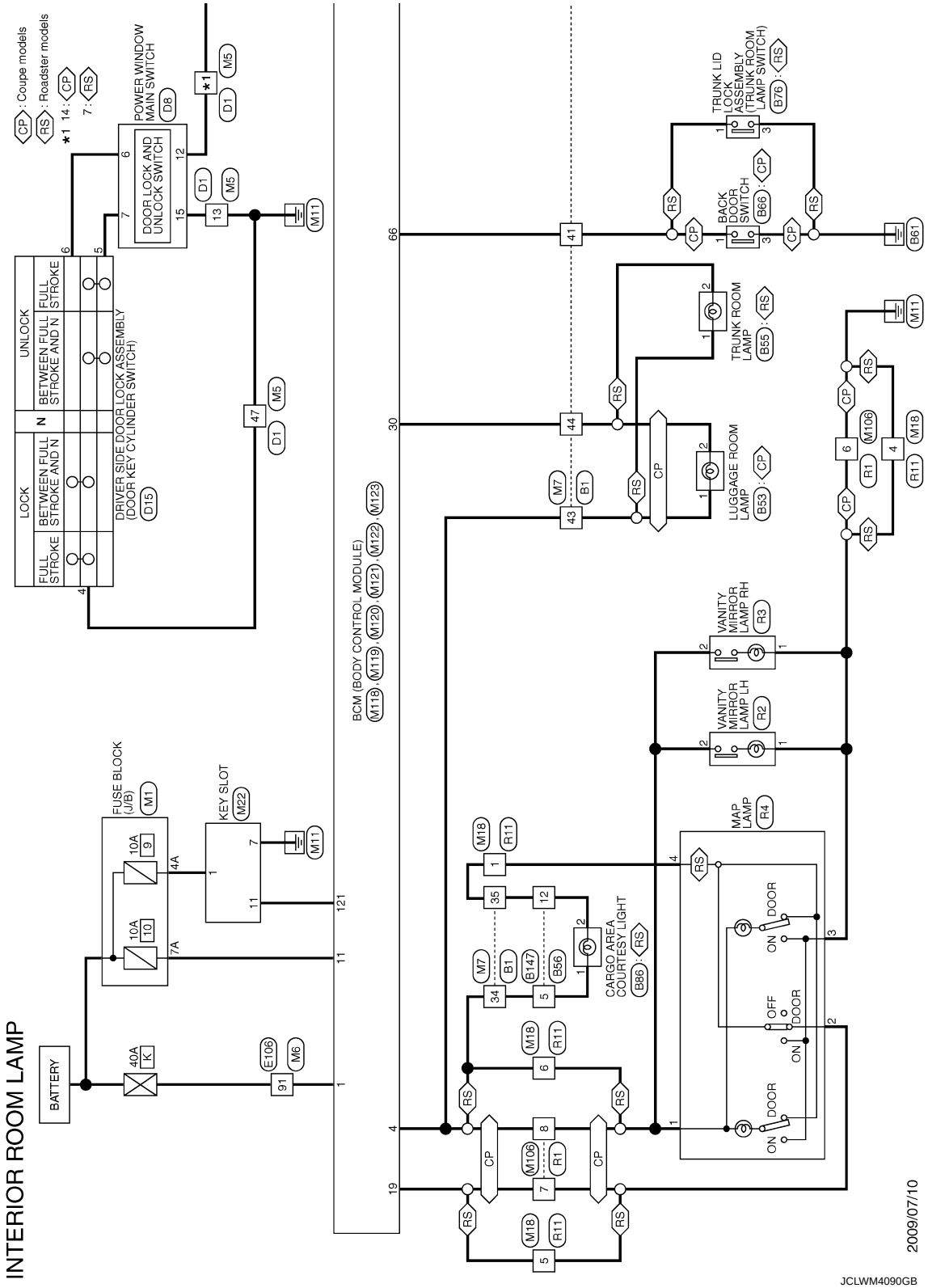
ECU	Reference
BCM	BCS-51, "Reference Value"
	BCS-82, "Fail-safe"
	BCS-85, "DTC Inspection Priority Chart"
	BCS-86, "DTC Index"
COMBINATION METER	MWI-57, "Reference Value"
	MWI-76, "Fail-Safe"
	MWI-77, "DTC Index"

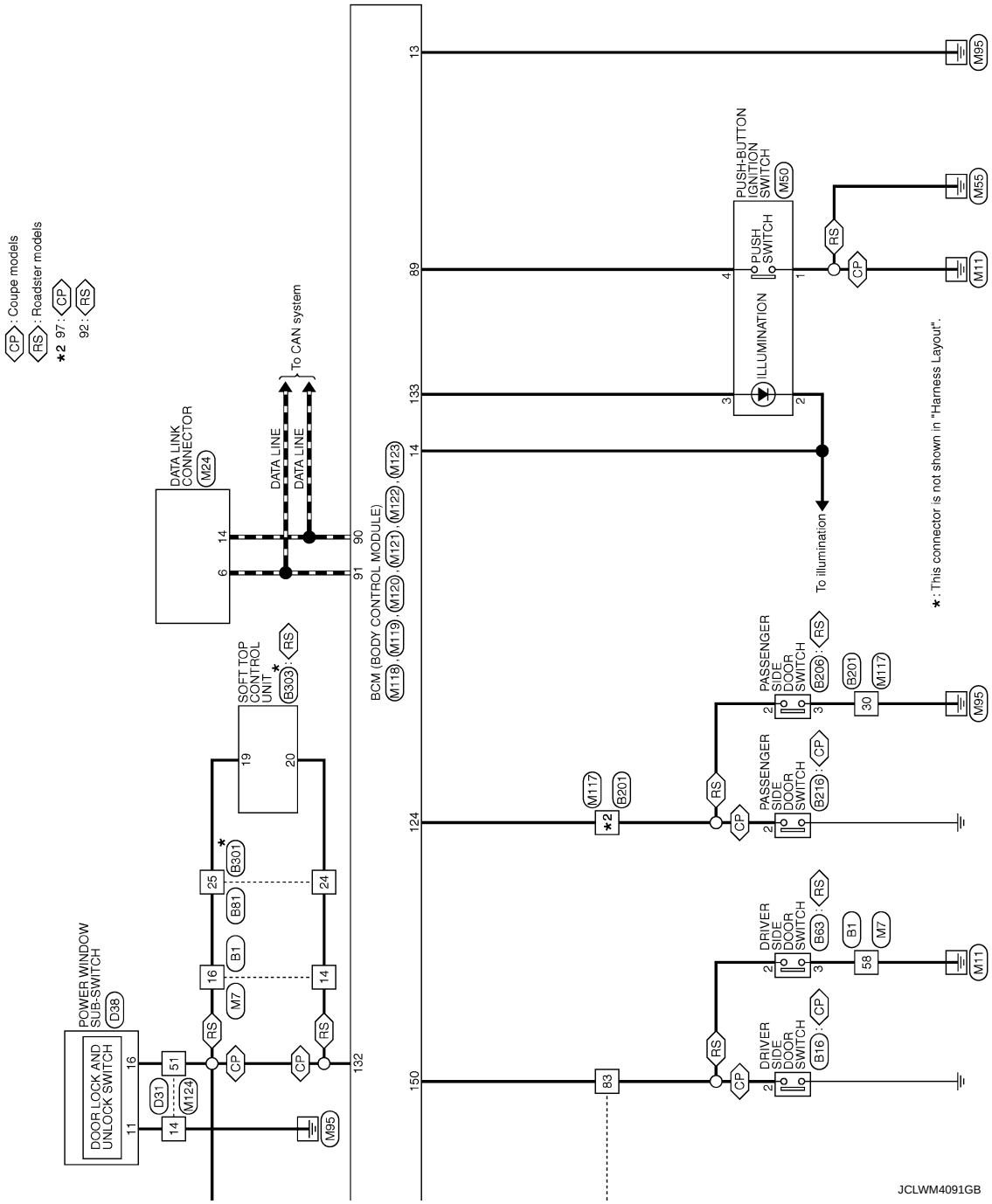
WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:0000000005233666




CP : Coupe models
RS : Roadster models
*2 97 : CP
92 : RS
DATA LINK CONNECTOR M24
DATA LINE
DATA LINE
To CAN system
BCM (BODY CONTROL MODULE)
M118 M119 M120 M121 M122 M123
SOFT TOP CONTROL UNIT *
B303
POWER WINDOW SUB-SWITCH D38
DOOR LOCK AND UNLOCK SWITCH
D31 M124
B81 B301 B1 M7
PUSH-BUTTON IGNITION SWITCH M50
PUSH SWITCH
ILLUMINATION
To illumination
* : This connector is not shown in "Harness Layout".
PASSENGER SIDE DOOR SWITCH B206
PASSENGER SIDE DOOR SWITCH B216
DRIVER SIDE DOOR SWITCH B63
DRIVER SIDE DOOR SWITCH B16
M95 M55 M11 M117 B201 B1 M7
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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	– [Coupe models]
2	O	– [Roadster models]
3	Y	–
4	W	–
6	V	–
7	LG	–
8	GR	–
9	SB	–
11	Y	–
12	W	–
13	BR	–
14	LG	–
15	B	–
16	V	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	O	–
25	L	–
26	P	–
31	W	–
32	B	–
33	P	– [Coupe models]
33	W	– [Roadster models]
34	R	–
35	B	–
40	Y	–
41	L	–
42	GR	–
43	BR	–
44	R	–
45	BG	– [Coupe models]
45	O	– [Roadster models]
46	SB	–
47	V	–
48	SHIELD	–

51	W	–
52	R	–
57	SHIELD	–
58	B	–
60	V	–
61	SB	–
62	SHIELD	–
63	BR	–
64	Y	–
65	SHIELD	–
66	P	–
67	L	–
68	SHIELD	–
69	R	–
70	G	–
71	V	–
72	P	–
73	BR	–
74	GR	–
75	O	–
80	Y	–
81	R	–
82	B	–
83	GR	–
84	G	– [Coupe models]
84	L	– [Roadster models]
85	LG	–
86	V	–
87	BR	–
88	GR	–
93	Y	–
94	L	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
96	L	–
97	Y	–
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	LG	–
100	B	–

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

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–

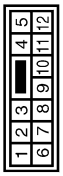
Connector No.	B53
Connector Name	LUGGAGE ROOM LAMP
Connector Type	CJ02FGY

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	NS12MW-CS



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

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

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–
3	B	–

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INTERIOR ROOM LAMP

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	O	–
14	GR	–
15	SB	–
16	V	–
17	G	–
24	LG	–
25	V	–
31	L	–
32	P	–
34	O	–
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.	B20I
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	– [Coupe models]
2	R	– [Roadster models]
3	Y	– [Coupe models]
3	B	– [Roadster models]
4	G	–
7	R	– [Coupe models]
7	Y	– [Roadster models]
8	LG	–
9	Y	–
11	R	–
20	G	–
21	R	–
30	B	–
40	W	–
41	V	–
42	G	–
43	L	–
44	SB	–
51	P	–
52	L	–
53	SHIELD	–
54	BR	–
55	Y	–
56	SHIELD	–
57	G	– [Coupe models]
57	P	– [Roadster models]
58	R	– [Coupe models]
58	L	– [Roadster models]
59	B	–
60	W	–
61	GR	–
62	B	–
63	Y	–
64	V	–

65	SB	–
66	BG	– [Coupe models]
66	O	– [Roadster models]
67	V	–
68	P	– [Coupe models]
68	GR	– [Roadster models]
69	L	– [Coupe models]
69	P	– [Roadster models]
70	G	– [Coupe models]
70	O	– [Roadster models]
80	V	–
81	SB	–
82	G	–
83	R	–
84	W	–
85	B	–
86	SHIELD	–
87	O	–
88	BR	–
89	Y	–
90	SHIELD	–
92	SB	– [Coupe models]
92	LG	– [Roadster models]
93	V	– [Coupe models]
93	W	– [Roadster models]
94	SHIELD	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	G	–
100	BR	– [Coupe models]
100	Y	– [Roadster models]

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INTERIOR ROOM LAMP

Connector No.	B206
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW

Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	–
3	B	–

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

Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	–

Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-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.	B303
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	TH40FB-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	TRUNK LID OPEN SIGNAL
11	O	ROOF STATUS SIGNAL (INDICATOR)
12	SB	ROOF STATUS SIGNAL (AUDIO)
14	L	ROOF OPEN / CLOSE SWITCH (CLOSE)
15	LG	ROOF OPEN / CLOSE SWITCH (OPEN)
16	V	TRUNK ROOM LAMP SWITCH
17	BG	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	GND
35	P	ROOF OPEN / CLOSE SWITCH (GND)

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	BG	– [Coupe models]
10	O	– [Roadster models]
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	G	–
23	R	–
44	L	–
47	B	–
48	SB	–
49	W	–
50	LG	–
51	R	–
52	V	–
53	BG	– [Coupe models]
53	O	– [Roadster models]
54	GR	–
55	G	–

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
4	Y	–
5	BG	– [Coupe models]
5	O	– [Roadster models]
6	GR	–
7	V	–
8	L	–
9	LG	–
10	Y	–
11	BR	–
12	SB	– [Coupe models]
12	Y	– [Roadster models]
13	R	–
14	G	–
15	B	–

Connector No.	D15
Connector Name	DRIVER SIDE DOOR LOCK ASSEMBLY
Connector Type	E06FGY-RS

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	– [Coupe models]
1	O	– [Roadster models]
2	G	–
3	SB	–
4	B	–
5	V	–
6	GR	–

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INTERIOR ROOM LAMP

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

Terminal No.	Color of Wire	Signal Name [Specification]
10	V	–
11	LG	–
12	P	– [With BOSE system]
12	LG	– [Without BOSE system]
13	V	– [Coupe models without BOSE system]
13	L	– [Except for coupe models without BOSE system]
14	B	–
15	W	–
19	P	–
23	L	–
44	L	–
50	Y	–
51	Y	–
52	G	–
53	BG	– [Coupe models]
53	O	– [Roadster models]
54	GR	–
55	L	–

Connector No.	D38
Connector Name	POWER WINDOW SUB-SWITCH
Connector Type	NS16FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
3	G	–
4	BG	– [Coupe models]
4	O	– [Roadster models]
8	L	–

9	BR	–
10	W	–
11	B	–
12	R	–
14	Y	–
15	LG	–
16	Y	–

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	–
3	L	–
4	L	–
7	B	–
8	P	–
9	L	– [Coupe models]
9	B	– [Roadster models]
11	V	–
12	R	–
13	L	–
14	GR	–
15	P	–
16	W	–
17	SB	–
20	LG	–
21	BR	– [Coupe models]
21	G	– [Roadster models]
31	L	–
32	Y	–
33	P	–
34	L	–
35	BR	–
36	V	–
37	Y	–
38	R	–
39	B	–
40	W	–
41	LG	–
42	SB	–

43	G	–
44	R	– [Roadster models with M/T]
44	GR	– [Except for roadster models with M/T]
45	BG	– [Coupe models]
45	O	– [Roadster models]
46	W	–
47	P	–
58	SHIELD	–
59	L	–
70	P	–
80	W	–
81	P	–
82	G	–
83	V	–
84	L	–
85	BG	– [Coupe models]
85	O	– [Roadster models]
86	LG	–
87	R	–
89	P	–
91	W	–
92	L	–
93	G	–
94	Y	–
96	Y	–
97	BR	–
98	GR	–
99	LG	– [Coupe models]
100	BG	– [Roadster models]
100	O	–

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-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	–

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

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	V	–
11	V	–
12	L	–
13	B	–
14	Y	–
15	W	–
19	Y	–
23	Y/B	–
44	L	–
47	B	–
48	SB	–
49	SB	– [Roadster models with M/T]
49	Y	– [Except for roadster models with M/T]
50	W	–
51	R	–
52	L	–
53	W	–
54	G	–
55	R	–

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INTERIOR ROOM LAMP

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	–
3	L	–
4	L	–
7	B	–
8	P	–
9	L	– [Coupe models]
9	B	– [Roadster models]
11	GR	–
12	R	–
13	L	–
14	G	–
15	P	–
16	W	–
17	BR	–
20	GR	–
21	BR	– [Coupe models]
21	R	– [Roadster models]
31	L	– [Roadster models with M/T]
31	BR	– [Except for roadster models with M/T]
32	Y	– [Roadster models with M/T]
32	V	– [Except for roadster models with M/T]
33	P	–
34	L	–
35	BR	–
36	SB	–
37	Y	–
38	LG	–
39	SB	–
40	W	–
41	LG	–
42	R	–
43	G	–
44	G	– [With A/T]
44	R	– [With M/T]
45	O	–
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	V	– [Roadster models with M/T]
87	G	– [Except for roadster models with M/T]
89	P	–
91	W	–
92	P	–
93	P	–
94	Y	–
96	P	–
97	GR	–
98	O	–
99	W	–
100	R	–

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-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	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	R	–
25	L	–
26	P	–
31	W	–
32	B	–
33	W	–
34	R	–
35	B	–
40	L	–
41	R	–
42	GR	–
43	R	– [Coupe models]
43	V	– [Roadster models]
44	R	–
45	O	– [With A/T]
46	G	– [With M/T]
47	R	– [With A/T]
47	V	– [With M/T]
48	SHIELD	–
51	V	–
52	R	–
57	SHIELD	–
58	B	–
60	L	– [Coupe models]
60	V	– [Roadster models]
61	R	– [Coupe models]
61	SB	– [Roadster models]
62	SHIELD	–
63	R	– [Coupe models]
63	BR	– [Roadster models]
64	G	– [Coupe models]
64	Y	– [Roadster models]
65	SHIELD	–
66	LG	– [Coupe models]
66	P	– [Roadster models]
67	V	– [Coupe models]
67	L	– [Roadster models]
68	SHIELD	–
69	L	– [Coupe models]
69	R	– [Roadster models]
70	P	– [Coupe models]
70	G	– [Roadster models]
71	V	–
72	P	–
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	SB	– [Coupe models]
94	L	– [Roadster models]
95	GR	– [Coupe models]
95	W	– [Roadster models]
96	L	–
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	BG	– [Coupe models]
98	Y/B	– [Roadster models]
99	W	–
100	B	–

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH

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

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INTERIOR ROOM LAMP

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT [Roadster models with M/T]
1	P	BAT [Except for roadster models with M/T]
2	GR	CLOCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GND
11	R	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

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

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	R	– [Roadster models with M/T]
3	G	– [Except for roadster models with M/T]
4	BR	–
5	GR	–
6	Y	–
7	V	–
8	P	–

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	Y	–
13	G	–
14	SHIELD	–
15	R	–
16	G	–

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	– [Coupe models]
2	LG	– [Roadster models]
3	O	– [Coupe models]
3	B	– [Roadster models]
4	W	– [Coupe models]
4	G	– [Roadster models]
7	LG	– [Coupe models]
7	Y	– [Roadster models]
8	LG	–
9	Y	–
11	R	–
20	G	–
21	R	–
30	B	–
40	O	–
41	Y	–
42	G	–
43	L	–
44	SB	–
51	R	–
52	G	–
53	SHIELD	–
54	LG	– [Coupe models]
54	BR	– [Roadster models]
55	V	– [Coupe models]
55	Y	– [Roadster models]
56	SHIELD	–
57	G	– [Coupe models]
57	P	– [Roadster models]
58	R	– [Coupe models]
58	L	– [Roadster models]
59	B	–
60	W	–
61	GR	–
62	B	–
63	Y	–
64	L	–
65	G	–
66	O	– [Coupe models]
66	G	– [Roadster models]
67	V	–
68	P	– [Coupe models]
68	GR	– [Roadster models]
69	L	– [Coupe models]
69	P	– [Roadster models]
70	L	– [Coupe models]
70	O	– [Roadster models]
80	W	– [Coupe models]
80	L	– [Roadster models]
81	Y	–
82	W	–
83	B	–
84	R	–
85	G	–
86	SHIELD	–
87	G	–
88	L	–
89	P	–
90	SHIELD	–
92	G	– [Coupe models]
92	LG	– [Roadster models]
93	R	– [Coupe models]
93	V	– [Roadster models]
94	SHIELD	– [Coupe models]
94	G	– [Roadster models]
95	SB	– [Coupe models]
95	LG	– [Roadster models]
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	V	– [Coupe models]
98	Y/B	– [Roadster models]
99	G	–
100	BR	– [Coupe models]
100	Y	– [Roadster models]

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INTERIOR ROOM LAMP

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

H.S.

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

H.S.

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

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

H.S.

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 ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	LUGGAGE ROOM ANT– [Roadster models with M/T]
34	G	LUGGAGE ROOM ANT– [Except for roadster models with M/T]
35	V	LUGGAGE ROOM ANT+ [Roadster models with M/T]
35	R	LUGGAGE ROOM ANT+ [Except for roadster models with M/T]
38	B	BACK DOOR ANT–
39	W	BACK DOOR ANT+
47	Y	IGN RELAY (FROM E/R) CONT [Roadster models with M/T]
47	V	IGN RELAY (FROM E/R) CONT [Except for roadster models with M/T]
52	SB	STARTER RELAY CONT
61	W	BACK DOOR REQUEST SW [Coupe models]
61	W	TRUNK LID REQUEST SW [Roadster models]
64	V	I-KEY WARN BUZZER (ENG ROOM) [Roadster models with M/T]
64	G	I-KEY WARN BUZZER (ENG ROOM) [Except for roadster models with M/T]
66	R	BACK DOOR SW [Coupe models]
66	R	TRUNK ROOM LAMP SW [Roadster models]
67	GR	BACK DOOR OPENER SW [Coupe models]

67	GR	TRUNK LID OPENER SW [Roadster models]

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2– [Roadster models with M/T]
72	L	ROOM ANT 2– [Except for roadster models with M/T]
73	G	ROOM ANT 2+ [Roadster models with M/T]
73	P	ROOM ANT 2+ [Except for roadster models with M/T]
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– [With A/T]
78	Y	ROOM ANT 1– [With M/T]
79	R	ROOM ANT 1+ [With A/T]
79	BR	ROOM ANT 1+ [With M/T]
80	GR	NATS ANT AMP.
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/B) CONT
83	Y	KYLS ENT RECEIVER (FRONT, COMM) [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT, COMM) [Except for roadster models with M/T]
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
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
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P [With A/T]
99	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]
99	R	CLUTCH PEDAL POS SW [Roadster models with M/T]
100	G	PASSENGER DOOR REQUEST SW [Roadster models with M/T]
100	GR	PASSENGER DOOR REQUEST SW [Except for roadster models with M/T]
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]
101	Y	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]

102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
105	GR	KYLS ENT RECEIVER (REAR) PWR SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW [Roadster models with M/T]
110	P	HAZARD SW [Except for roadster models with M/T]
111	Y	S/L UNIT COMM

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INTERIOR ROOM LAMP

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH

Terminal No.	Color of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	SHOCK SENSOR
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/B
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFOGGER SW
132	Y	POWER WINDOW SW COMM [Coupe models]
132	V	P/W SW & SOFT TOP C/U COMM [Roadster models]
133	R	PUSH BUTTON IGNITION SW (LL POWER) [Roadster models with M/T]
133	G	KEYLESS ENTRY TRANSMITTER SW (ALL POWER) [Except for roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER/SENSOR GND [Roadster models with M/T]
137	P	RECEIVER/SENSOR GND [Except for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS/KYLS ENT [REAR] RECEIV COMM
140	G	SHIFT N/P [With A/T]
140	G	P/N POSITION SW [With M/T]
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
149	W	TIRE PRESSURE WARN CHECK SW
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15

Terminal No.	Color of Wire	Signal Name [Specification]
10	G	– [Coupe models]
10	V	– [Roadster models]
11	V	– [Coupe models]
11	LG	– [Roadster models]
12	LG	–
13	V	–
14	B	–
15	W	–
19	Y	–
23	Y/B	–
44	R	– [Coupe models]
44	O	– [Roadster models]
50	Y	–
51	Y	–
52	G	– [Roadster models with M/T]
52	GR	– [Except for roadster models with M/T]
53	W	–
54	G	–
55	R	–

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	–
11	B	–
12	Y	–
13	G	–
14	SHIELD	–
15	R	–
16	G	–

Connector No.	R2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	R	–

Connector No.	R3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	R	–

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK06FGY

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	R	–
9	G	–
10	B	–
11	G	–
12	Y	–

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ILLUMINATION

Wiring Diagram

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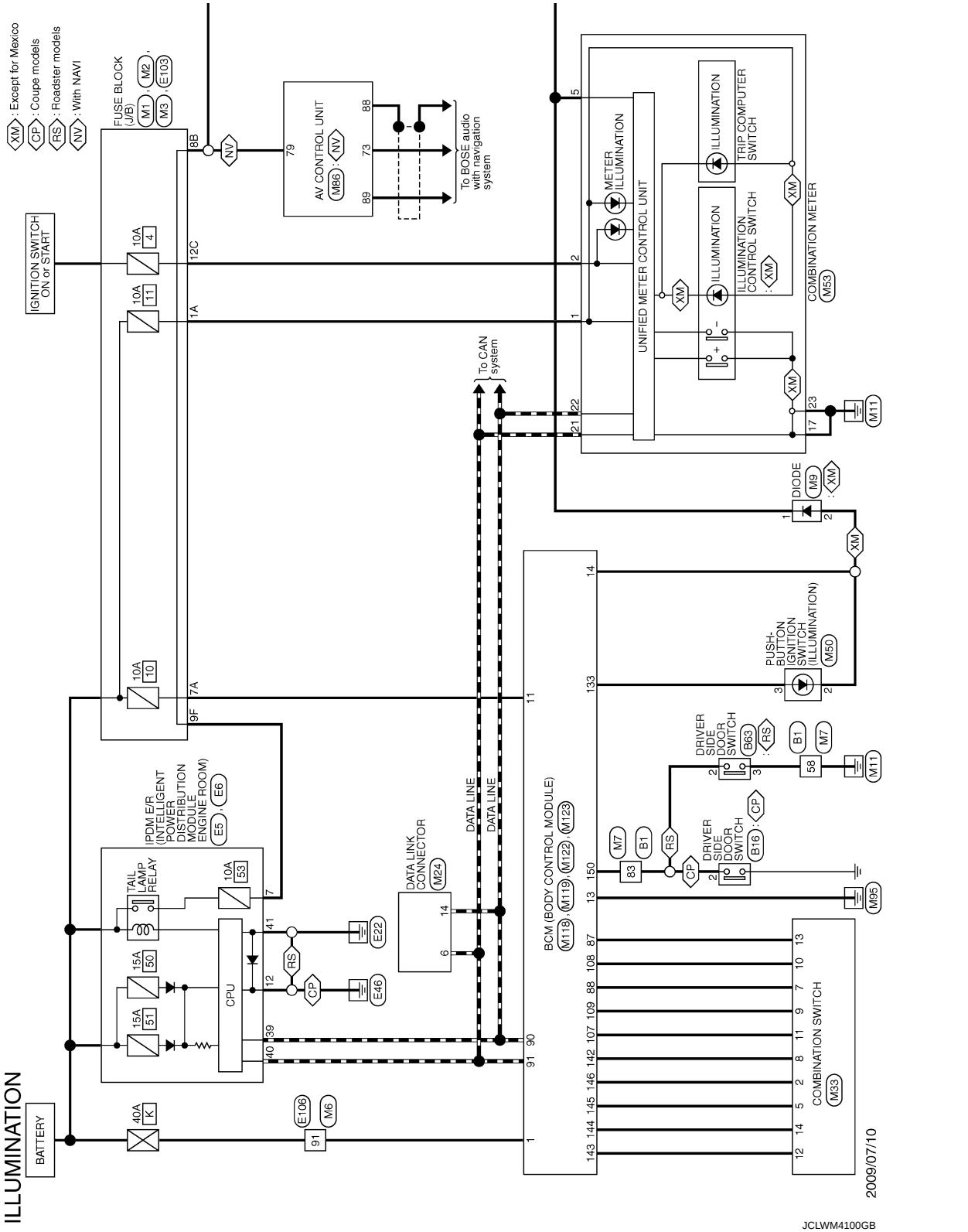

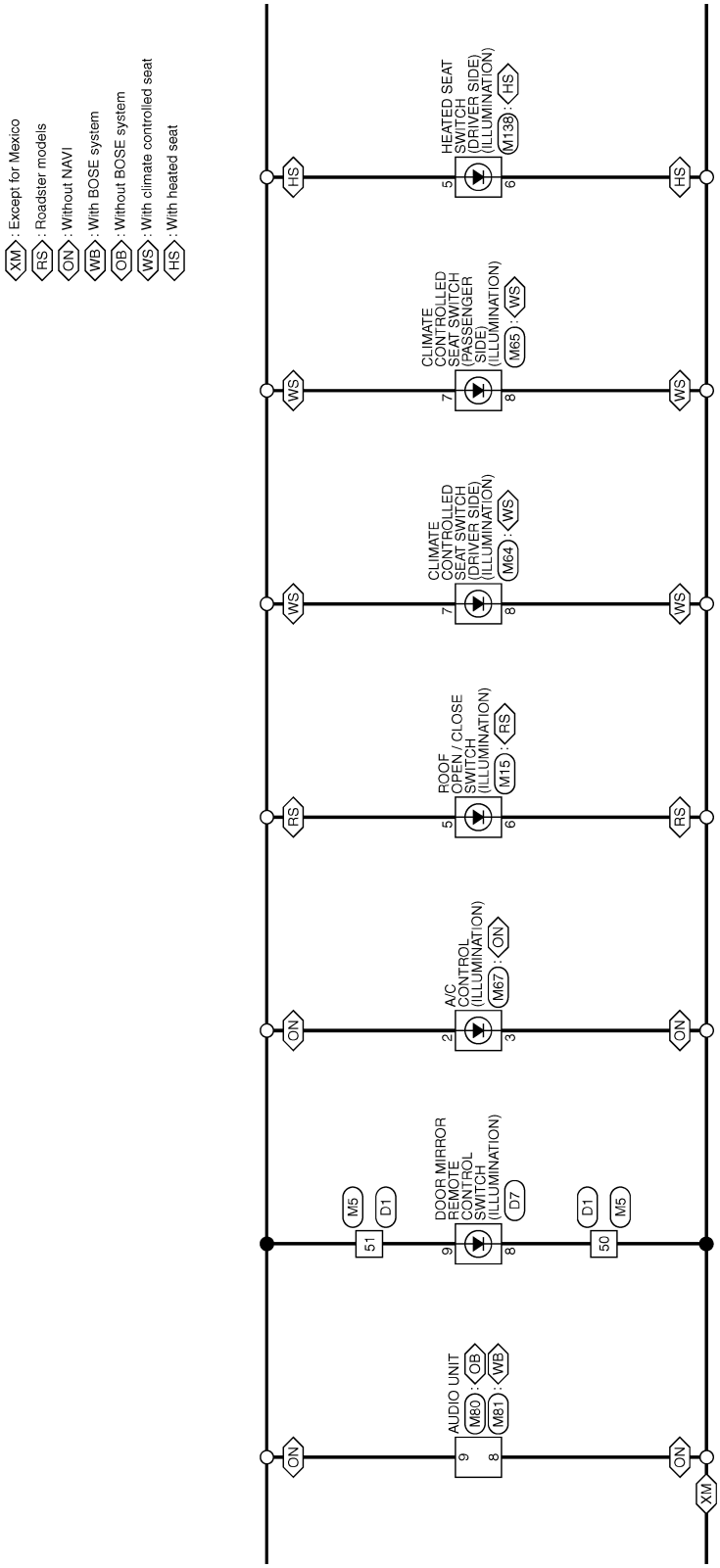

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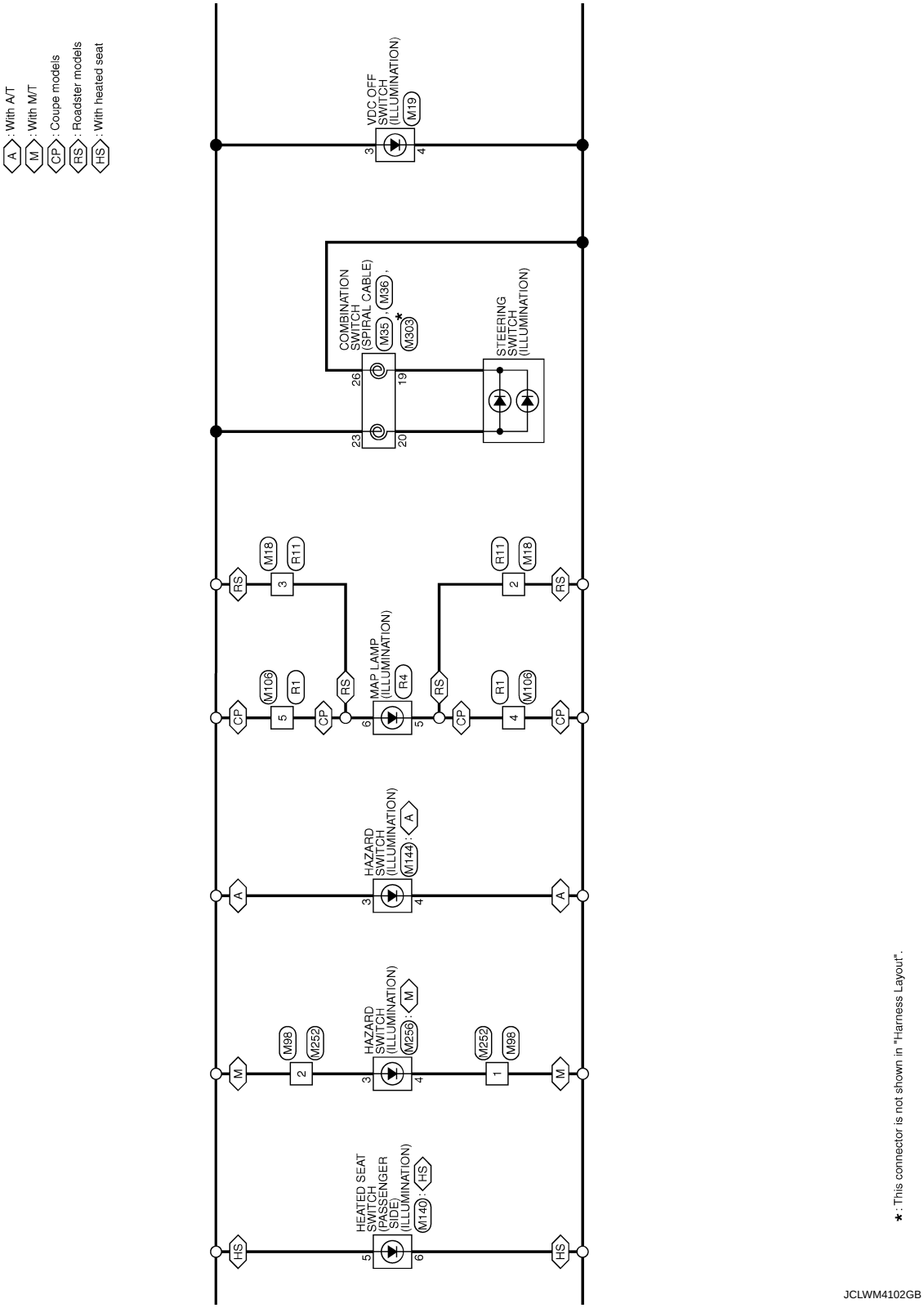
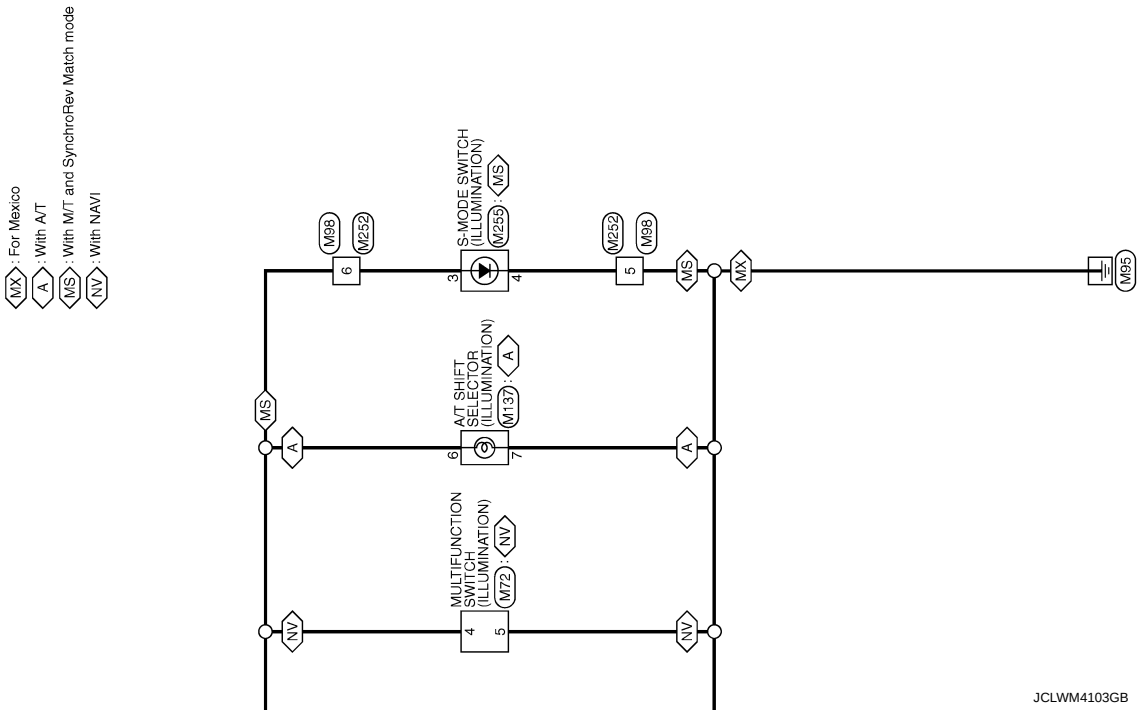


★ : This connector is not shown in "Harness Layout".


MX : For Mexico
A : With A/T
MS : With M/T and SynchroRev Match mode
NV : With NAVI
M98
M252
6
S-MODE SWITCH (ILLUMINATION)
MS
M255
3
4
M252
M98
5
MS
MX
M95
A/T SHIFT SELECTOR (ILLUMINATION)
A
M137
6
7
MULTIFUNCTION SWITCH (ILLUMINATION)
NV
M72
4
5
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ILLUMINATION

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	BG	– [Coupe models]
2	O	– [Roadster models]
3	Y	–
4	W	–
6	V	–
7	LG	–
8	GR	–
9	SB	–
11	Y	–
12	W	–
13	BR	–
14	LG	–
15	B	–
16	V	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	O	–
25	L	–
26	P	–
31	W	–
32	B	–
33	P	– [Coupe models]
33	W	– [Roadster models]
34	R	–
35	B	–
40	Y	–
41	L	–
42	GR	–
43	BR	–
44	R	–
45	BG	– [Coupe models]
45	O	– [Roadster models]
46	SB	–
47	V	–
48	SHIELD	–
51	W	–
52	R	–
57	SHIELD	–
58	B	–
60	V	–
61	SB	–
62	SHIELD	–
63	BR	–
64	Y	–
65	SHIELD	–
66	P	–
67	L	–
68	SHIELD	–
69	R	–
70	G	–
71	V	–
72	P	–
73	BR	–
74	GR	–
75	O	–
80	Y	–
81	R	–
82	B	–
83	GR	–
84	G	– [Coupe models]
84	L	– [Roadster models]
85	LG	–
86	V	–
87	BR	–
88	GR	–
93	Y	–
94	L	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
96	L	–
97	Y	–
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	LG	–
100	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–
3	B	–

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	BG	– [Coupe models]
10	O	– [Roadster models]
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	G	–
23	R	–
44	L	–
47	B	–
48	SB	–
49	W	–
50	LG	–
51	R	–
52	V	–
53	BG	– [Coupe models]
53	O	– [Roadster models]
54	GR	–
55	G	–

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
7	V	–
8	LG	–
9	R	–
10	Y	–
12	G	–
13	GR	–
14	L	–
15	BG	– [Coupe models]
15	O	– [Roadster models]
16	BR	–

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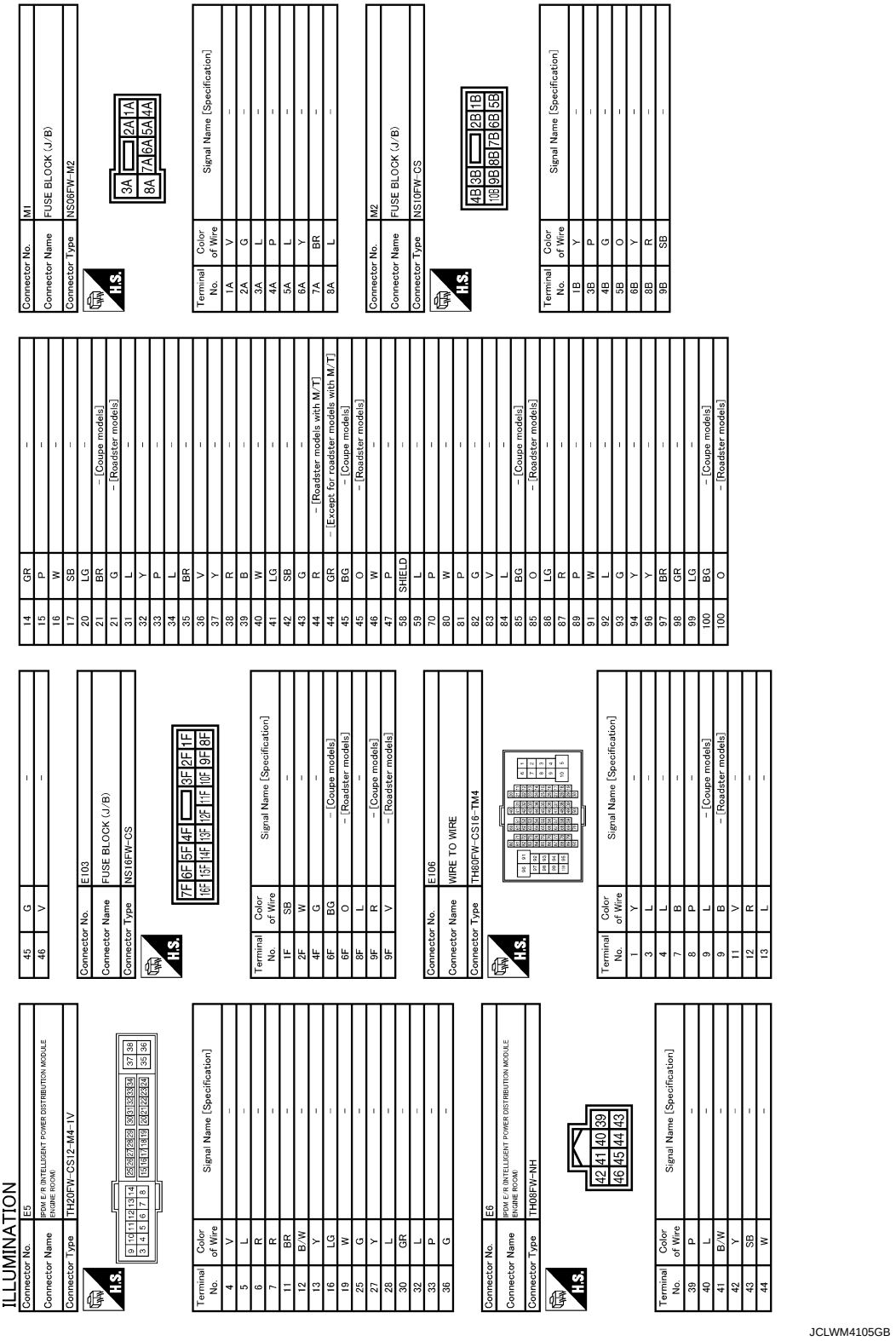

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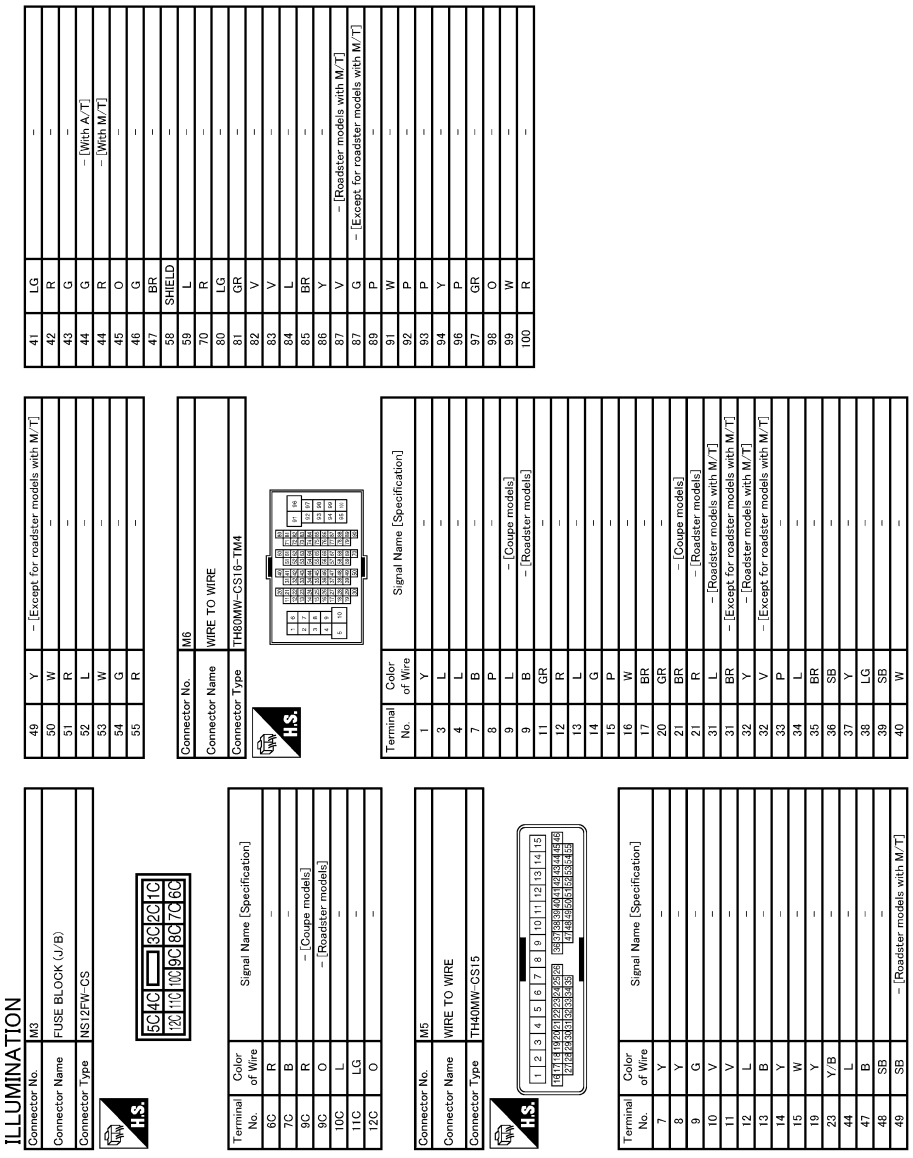

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Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

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	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	R	–
25	L	–
26	P	–
31	W	–
32	B	–
33	W	–
34	R	–
35	B	–
40	L	–
41	R	–
42	GR	–
43	R	– [Coupe models]
43	V	– [Roadster models]
44	R	–
45	O	–
46	G	– [With A/T]
46	SB	– [With M/T]
47	R	– [With A/T]
47	V	– [With M/T]
48	SHIELD	–
51	V	–
52	R	–
57	SHIELD	–
58	B	–
60	L	– [Coupe models]
60	V	– [Roadster models]
61	R	– [Coupe models]
61	SB	– [Roadster models]
62	SHIELD	–
63	R	– [Coupe models]
63	BR	– [Roadster models]
64	G	– [Coupe models]
64	Y	– [Roadster models]
65	SHIELD	–
66	LG	– [Coupe models]
66	P	– [Roadster models]
67	V	– [Coupe models]
67	L	– [Roadster models]
68	SHIELD	–
69	L	– [Coupe models]
69	R	– [Roadster models]
70	P	– [Coupe models]
70	G	– [Roadster models]
71	V	–
72	P	–
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	SB	– [Coupe models]
94	L	– [Roadster models]
95	GR	– [Coupe models]
95	W	– [Roadster models]
96	L	–
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	BG	– [Coupe models]
98	Y/B	– [Roadster models]
99	W	–
100	B	–

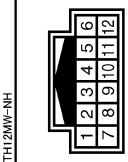
Connector No.	M9
Connector Name	DIODE
Connector Type	24335 C9900

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
2	R	–

Connector No.	M15
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	TK06FW-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	TH12MW-NH



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

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK04FW

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

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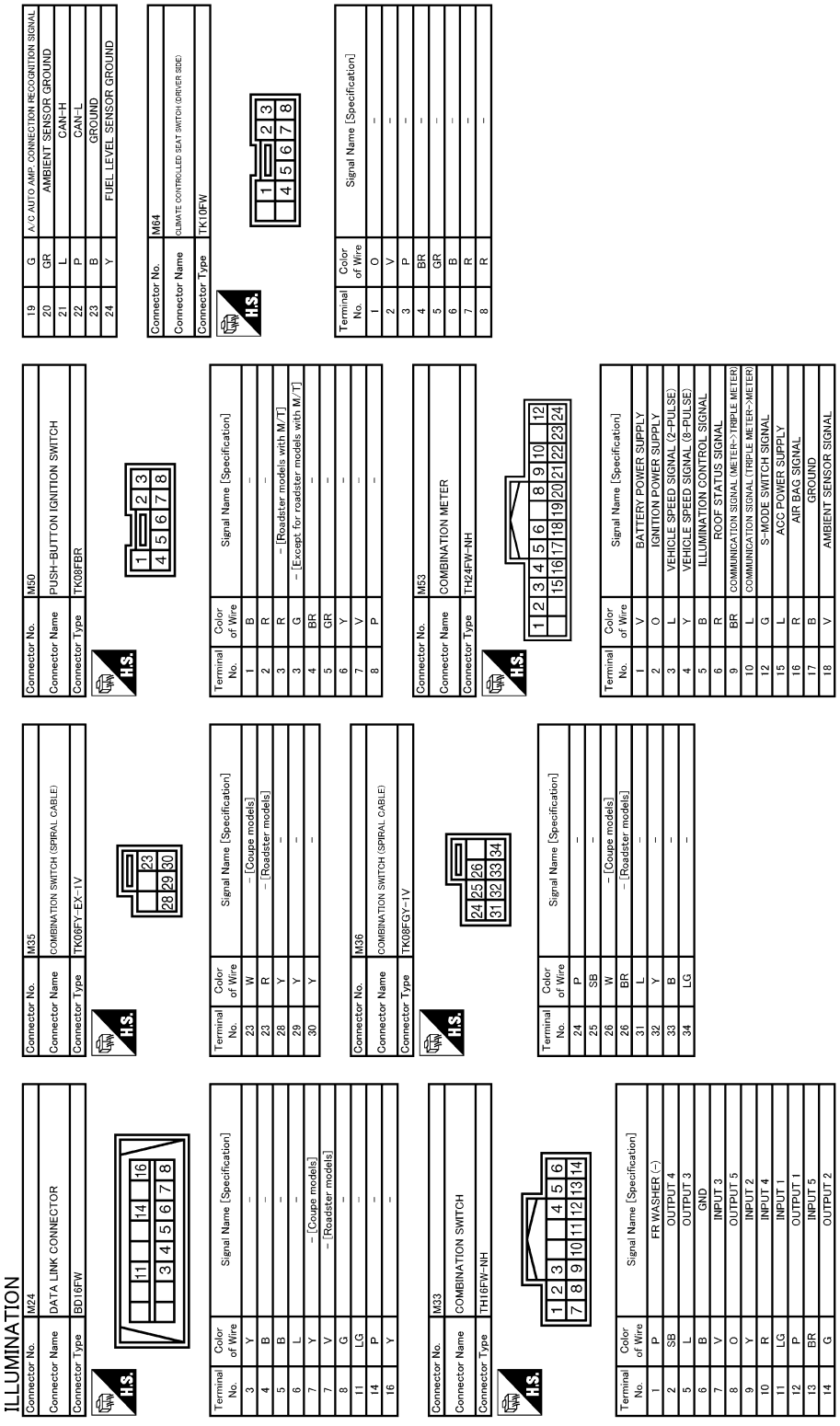

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ILLUMINATION

Connector No.	M65
Connector Name	(CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR

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	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH

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

Connector No.	M80
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2

Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT SPEAKER LH (+)
3	V	SOUND SIGNAL FRONT SPEAKER LH (–)
6	P	STRG SW A
7	L	ACC
8	W	ILL (–)
9	R	ILL (+)
11	V	SOUND SIGNAL FRONT SPEAKER RH (+)
12	LG	SOUND SIGNAL FRONT SPEAKER RH (–)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY

Connector No.	M81
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 LH (+) [Coupe models]
2	P	SOUND SIGNAL FRONT LH (+) [Roadster models]
3	V	SOUND SIGNAL FRONT LH (–) [Coupe models]
3	L	SOUND SIGNAL FRONT LH (–) [Roadster models]
4	L	SOUND SIGNAL REAR LH (+) [Coupe models]
4	V	SOUND SIGNAL REAR LH (+) [Roadster models]
5	R	SOUND SIGNAL REAR LH (–) [Coupe models]
5	SB	SOUND SIGNAL REAR LH (–) [Roadster models]
6	P	STRG SW A [For Mexico]
6	W	STRG SW A [Except for Mexico]
7	L	ACC
8	W	ILL (–) [Coupe models]
8	O	ILL (–) [Roadster models]
9	R	ILL (+)
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT RH (+) [Coupe models]
11	R	SOUND SIGNAL FRONT RH (+) [Roadster models]
12	P	SOUND SIGNAL FRONT RH (–) [Coupe models]
12	G	SOUND SIGNAL FRONT RH (–) [Roadster models]
13	R	SOUND SIGNAL REAR RH (+) [Coupe models]
13	BR	SOUND SIGNAL REAR RH (+) [Roadster models]
14	G	SOUND SIGNAL REAR RH (–) [Coupe models]
14	Y	SOUND SIGNAL REAR RH (–) [Roadster models]
15	B	STRG SW GND
16	L	STRG SW B [For Mexico]
16	GR	STRG SW B [Except for Mexico]
18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
19	Y	BATTERY
20	SHIELD	SHIELD

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

Terminal No.	Color of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	B	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	R	MICROPHONE VCC
73	G	COMM (CONT->DISP) [Coupe models]
73	R	COMM (CONT->DISP) [Roadster models]
74	P	CAN-L [Coupe models]
74	L	CAN-L [Roadster models]
75	Y	AV COMM (L)
76	Y	AV COMM (L)
79	R	ILL+
80	G	IGNITION SIGNAL
81	O	REVERSE SIGNAL
82	Y	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
84	Y	–
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	R	COMM (DISP->CONT) [Coupe models]
89	G	COMM (DISP->CONT) [Roadster models]
90	L	CAN-H [Coupe models]
90	P	CAN-H [Roadster models]
91	LG	AV COMM (H)
92	LG	AV COMM (H)

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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	– [Coupe models]
3	B	– [Roadster models]
4	P	– [Coupe models]
4	G	– [Roadster models]
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	Y	–
13	G	–
14	SHIELD	–
15	R	–
16	G	–

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

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	SUPER LOCK OUTPUT [Coupe models]
5	V	SUPER LOCK OUTPUT [Roadster models]
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GND
14	R	PUSH-BUTTON IGNITION SW ILL POWER
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL [Coupe models]
19	V	ROOM LAMP TIMER CONTROL [Roadster models]

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2– [Roadster models with M/T]
72	L	ROOM ANT 2– [Except for roadster models with M/T]
73	G	ROOM ANT 2+ [Roadster models with M/T]
73	P	ROOM ANT 2+ [Except for roadster models with M/T]
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– [With A/T]
78	Y	ROOM ANT 1– [With M/T]
79	R	ROOM ANT 1+ [With A/T]
79	BR	ROOM ANT 1+ [With M/T]
80	GR	NATS ANT AMP.
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/B) CONT
83	Y	KYLS ENT RECEIVER (FRONT) COMM [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT) COMM [Except for roadster models with M/T]
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
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
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P [With A/T]
99	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]
99	R	CLUTCH PEDAL POS SW [Roadster models with M/T]
100	G	PASSENGER DOOR REQUEST SW [Roadster models with M/T]
100	GR	PASSENGER DOOR REQUEST SW [Except for roadster models with M/T]
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]
101	Y	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]
102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
105	GR	KYLS ENT RECEIVER (REAR) PWR SUPPLY

106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW [Roadster models with M/T]
110	P	HAZARD SW [Except for roadster models with M/T]
111	Y	S/L UNIT COMM

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ILLUMINATION

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH

Terminal No.	Color of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	SHOCK SENSOR
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/B
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFOGGER SW
132	Y	POWER WINDOW SW COMM [Coupe models]
132	V	P/W SW & SOFT TOP C/U COMM [Roadster models]
133	R	PUSH BUTTON IGNITION SW ILL POWER [Roadster models with M/T]
133	G	PUSH BUTTON IGNITION SW ILL POWER [Except for roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER/SENSOR GND [Roadster models with M/T]
137	P	RECEIVER/SENSOR GND [Except for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM
140	G	SHIFT N/P [With A/T]
140	G	P/N POSITION SW [With M/T]
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
149	W	TIRE PRESSURE WARN CHECK SW
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TK10FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
2	V	–
3	L	–
4	B	–
5	G	–
6	R	–
7	W	–
8	P	–
9	Y	–
10	R	–

Connector No.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS06FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	GR	–
3	SB	–
4	B	–
5	R	–
6	W	–

Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06FBR-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	O	–
3	GR	–
4	B	–
5	R	–
6	W	–

Connector No.	M144
Connector Name	HAZARD SWITCH
Connector Type	TK04FW

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

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-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	L	–
7	G	–
8	G	–

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TK04FGY

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

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ILLUMINATION

Connector No.	M256
Connector Name	HAZARD SWITCH
Connector Type	TK04FW

H.S.

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

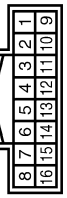
Connector No.	M303
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY

H.S.

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

H.S.



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	R	–
16	G	–

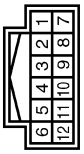
Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK06FGY

H.S.

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

H.S.



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

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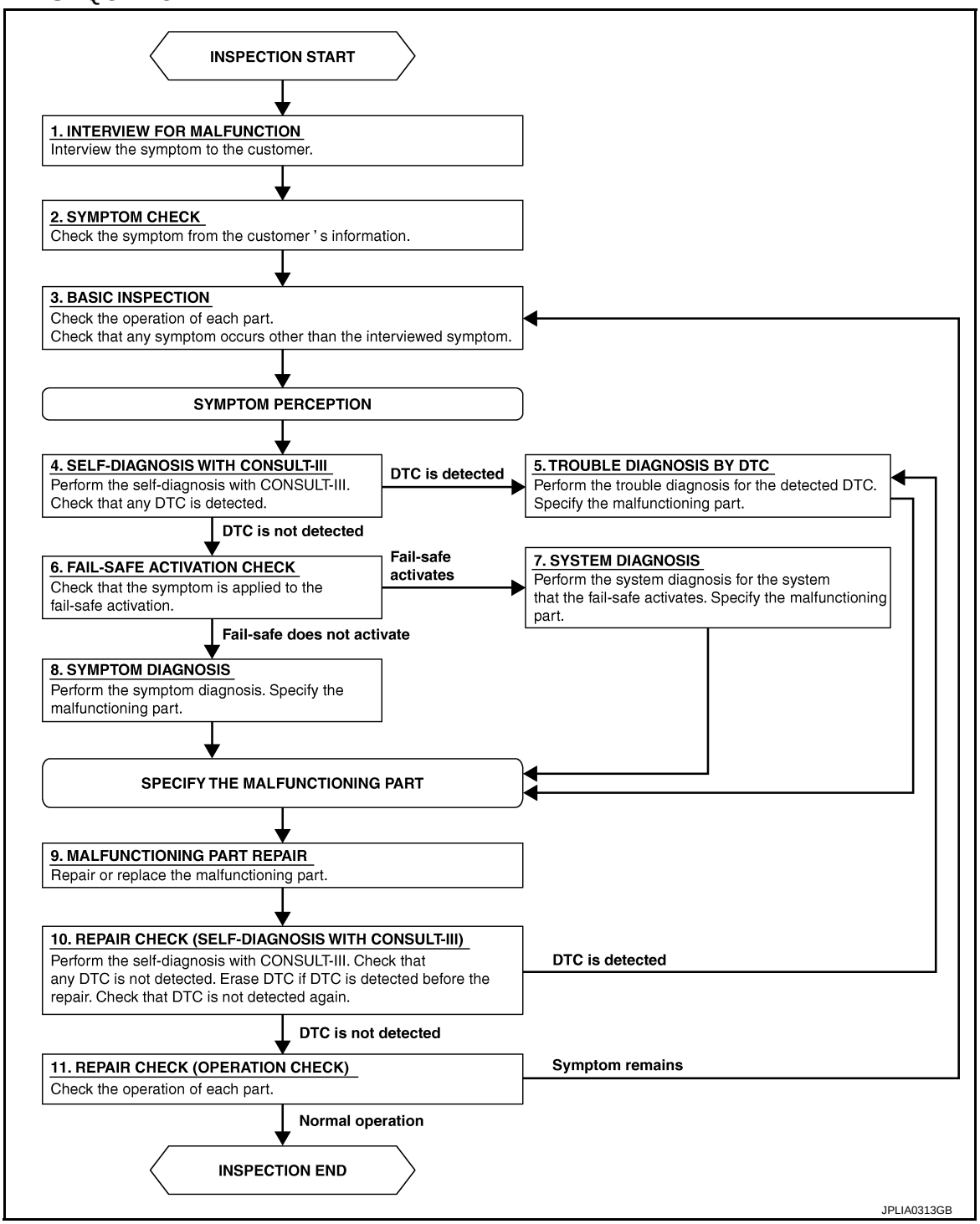
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000005233637

OVERALL SEQUENCE



DETAILED FLOW

1.INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

>> GO TO 2.

2.SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

3.BASIC INSPECTION

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

>> GO TO 4.

4.SELF-DIAGNOSIS WITH CONSULT-III

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

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 6.

5.TROUBLE DIAGNOSIS BY DTC

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

>> GO TO 9.

6.FAIL-SAFE ACTIVATION CHECK

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

Does the fail-safe activate?

YES >> GO TO 7.
NO >> GO TO 8.

7.SYSTEM DIAGNOSIS

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

>> GO TO 9.

8.SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

9.MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

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

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

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 11.

11.REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END
NO >> GO TO 3.

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000005233654

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

Component Function Check

INFOID:0000000005233655

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Luggage room lamp
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-45, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005233656

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III 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		Ground	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

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.

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

Description

INFOID:0000000005233657

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:0000000005233658

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-III 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-47, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005233659

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III 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.

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

Description

INFOID:0000000005233660

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

Component Function Check

INFOID:0000000005233661

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-III 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-49, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005233662

1.CHECK LUGGAGE ROOM LAMP OUTPUT

CONSULT-III 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.

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

Description

INFOID:0000000005233663

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

Component Function Check

INFOID:0000000005233664

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III 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-51, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005233665

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
• Ignition switch ON • Lighting switch 1ST	ON
• Ignition switch OFF • Lighting switch OFF • Driver door LOCK	OFF

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

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

2.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

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-III 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.

Terminals			Test item	Voltage (Approx.)
(+)		(–)		
BCM		Ground	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.

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000005233677

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

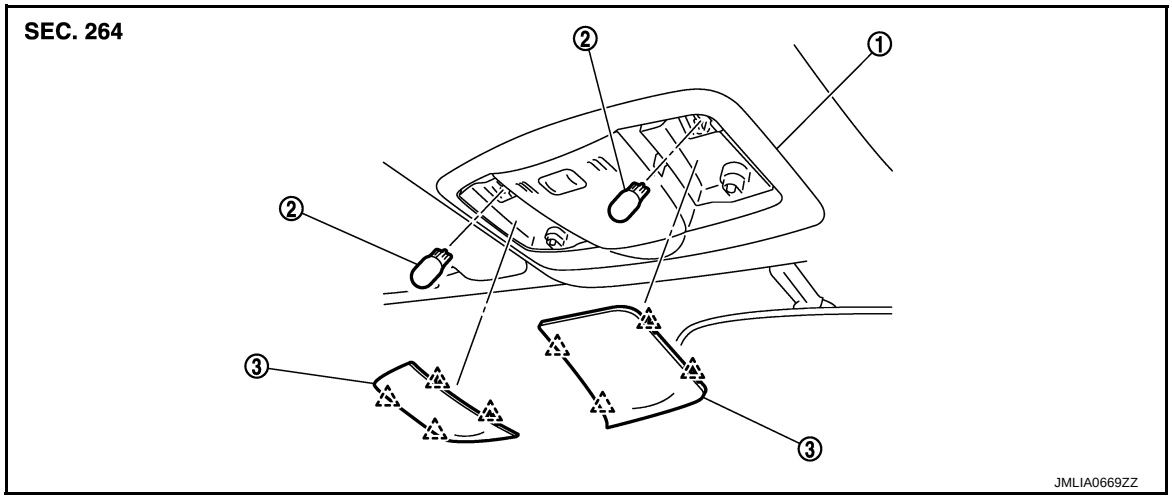
Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. • Map lamp • Luggage room lamp • Vanity mirror lamp	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-45.
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room 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-88.
		Interior room lamp control circuit Refer to INL-47.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-15.
• Luggage room lamp does not turn ON. (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-88.
		Luggage room lamp circuit Refer to INL-49.
Push-button ignition switch illumination does not illuminate.	• Harness between BCM and push-button ignition switch • BCM	Push-button ignition switch illumination circuit Refer to INL-51.
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-16.

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000005233680



1. Map lamp assembly
2. Bulb
3. Lens

: Pawl

Removal and Installation

INFOID:0000000005233681

Refer to INT-25, "Exploded View" for the map lamp assembly installation/removal.

Replacement

INFOID:0000000005233682

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

Exploded View

INFOID:0000000005233683

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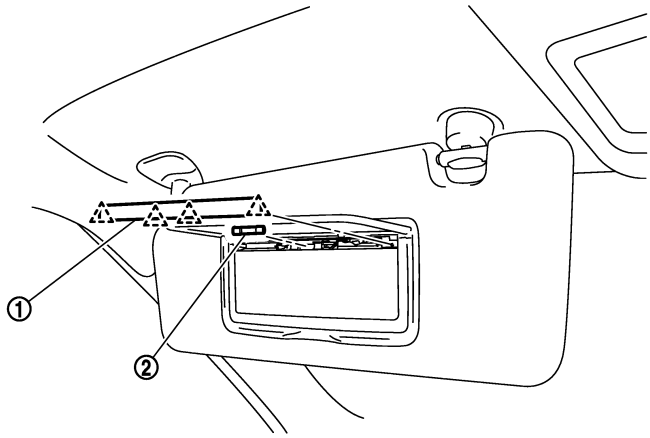

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1. Lens
2. Bulb

: Pawl

Replacement

INFOID:0000000005233684

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.**

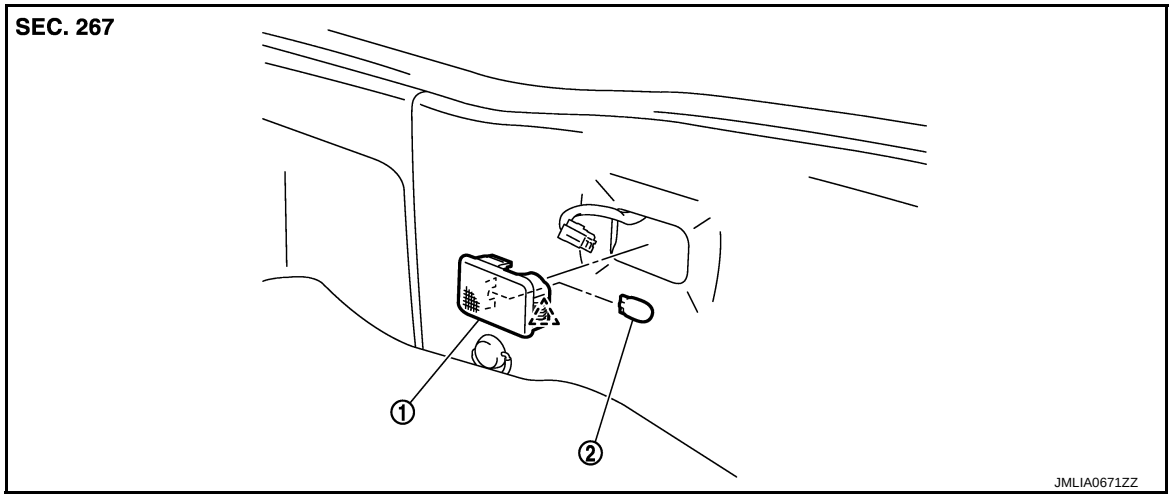
VANITY MIRROR LAMP BULB

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

LUGGAGE ROOM LAMP

Exploded View

INFOID:0000000005233685



1. Luggage room lamp assembly
2. Bulb

: Pawl

Removal and Installation

INFOID:0000000005233686

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:0000000005233687

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)

Bulb Specifications

INFOID:0000000005233688

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

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:0000000005476787

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

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the “SRS AIR BAG”.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

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

INFOID:0000000005577284

NOTE:

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

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.
If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.
   NOTE:
   Supply power using jumper cables if battery is discharged.
2. Turn the push-button ignition switch to ACC position.
   (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.

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

FOR USA AND CANADA : Precaution for Battery Service

INFOID:0000000005476788

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

FOR MEXICO

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

INFOID:0000000005664437

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

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the “SRS AIR BAG”.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

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

INFOID:0000000005577285

NOTE:

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

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

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

OPERATION PROCEDURE

1. Connect both battery cables.
   NOTE:
   Supply power using jumper cables if battery is discharged.
2. Turn the push-button ignition switch to ACC position.

(At this time, the steering lock will be released.)

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

FOR MEXICO : Precaution for Battery Service

INFOID:0000000005568595

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.

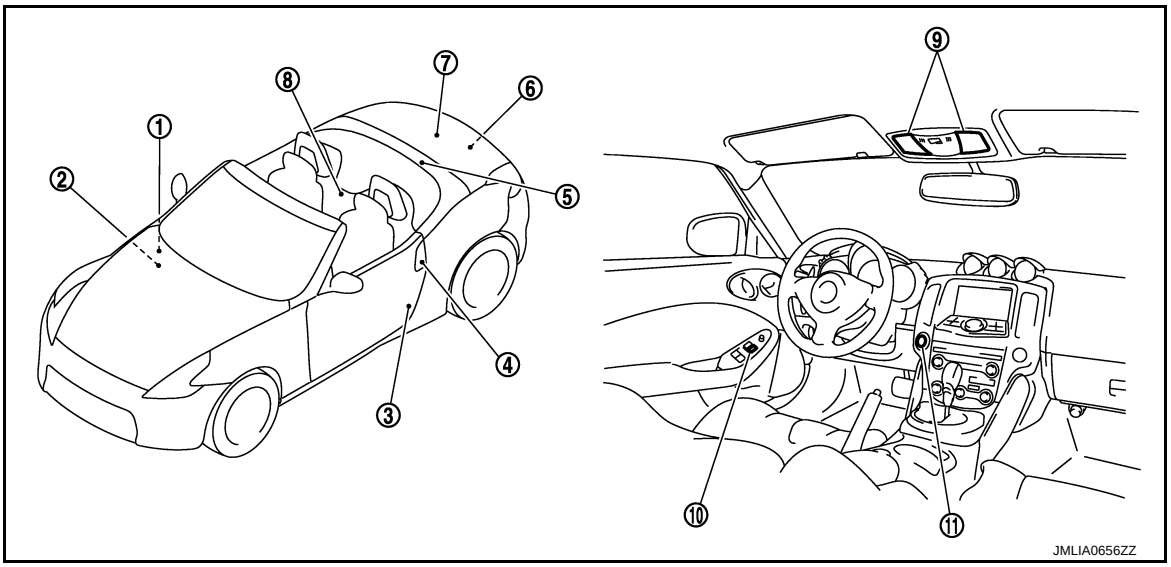
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000005476791



1. Remote keyless entry receiver
   Refer to SEC-13, "Component Parts Location".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Soft top control unit
   Refer to RF-12, "Component Parts Location"
6. Trunk room lamp switch
7. Trunk room lamp
8. Cargo area coutesy 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

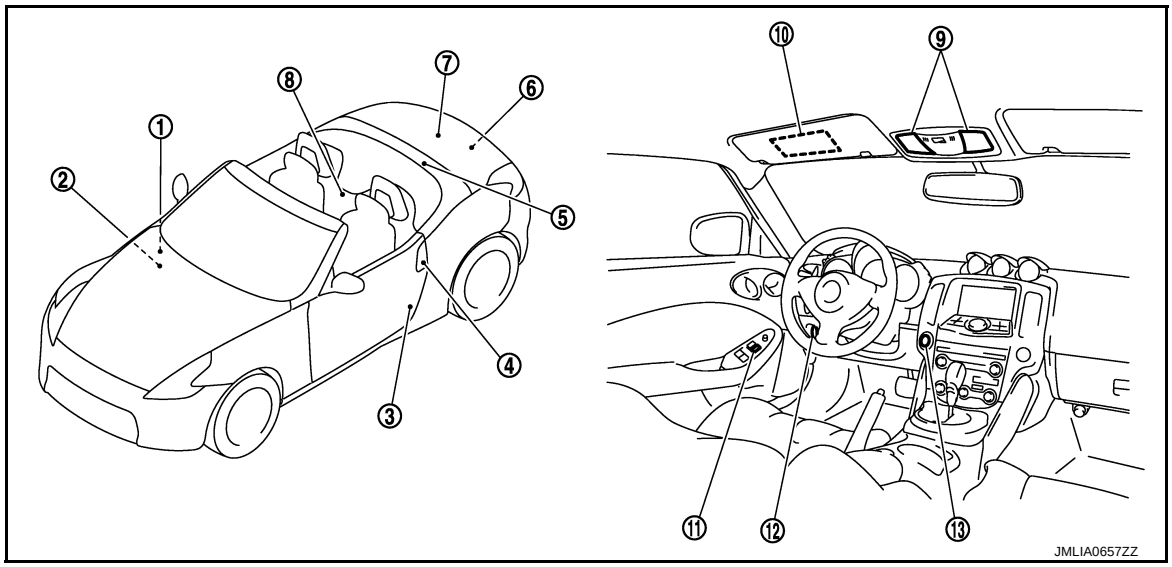
INFOID:0000000005476792

Part	Description
BCM	• 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.
• 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.
Soft top control unit	Refer to RF-17

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Parts Location

INFOID:0000000005476795



1. Remote keyless entry receiver
   Refer to DLK-210, "Remote Keyless Entry Receiver".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Soft top control unit
   Rfer to RF-12, "Component Parts Location"
6. Trunk room lamp switch
7. Trunk room lamp
8. Cargo area coutesy 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

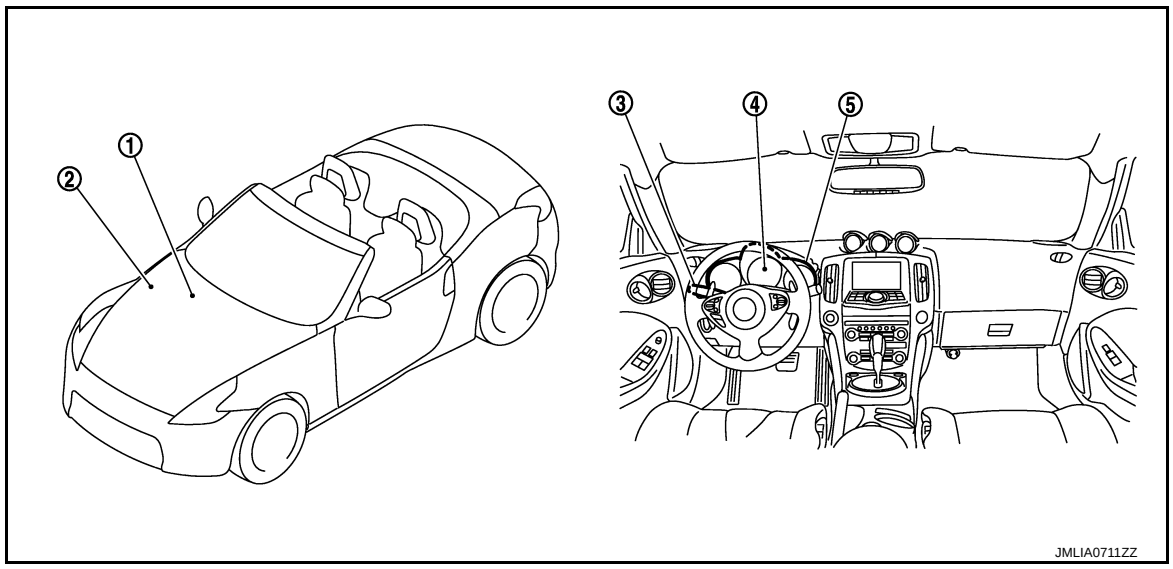
INFOID:0000000005476796

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-17

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:0000000005476799



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

ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000005476800

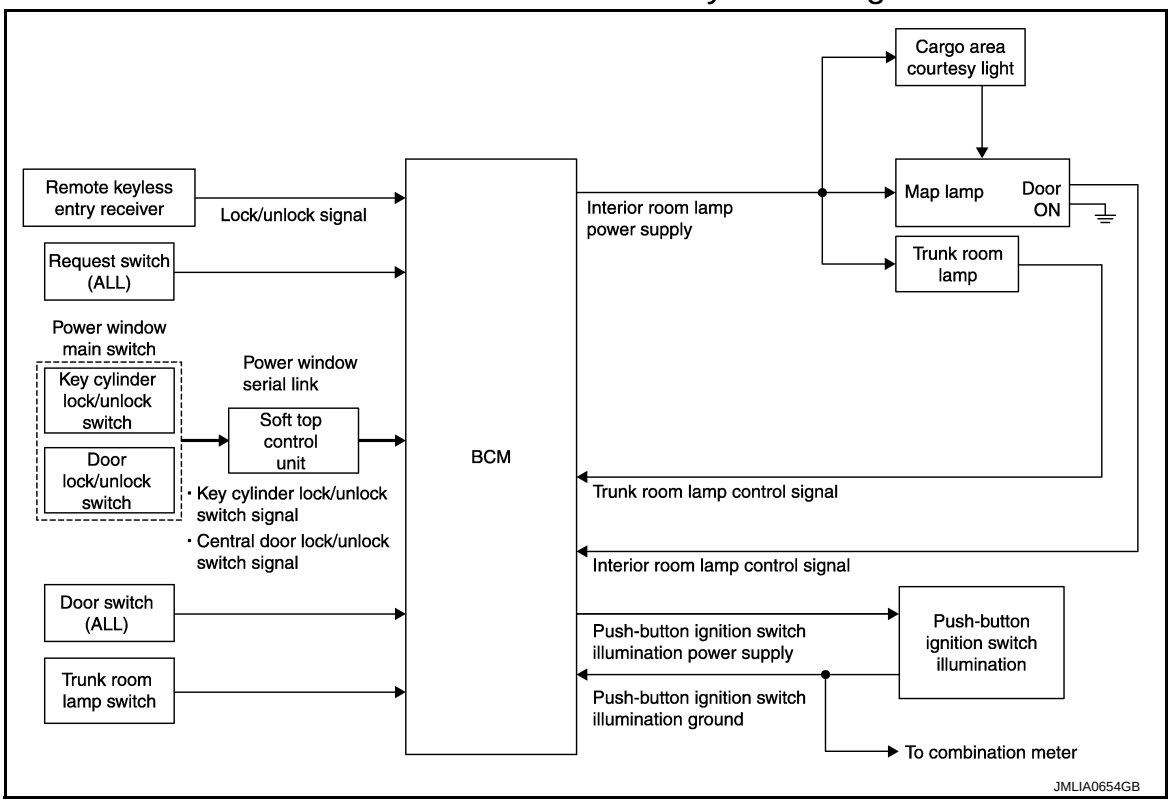
Part	Description
BCM	• Detects each switch condition by the combination switch reading function. • Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication).
IPDM E/R	Controls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

SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000005476789



INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

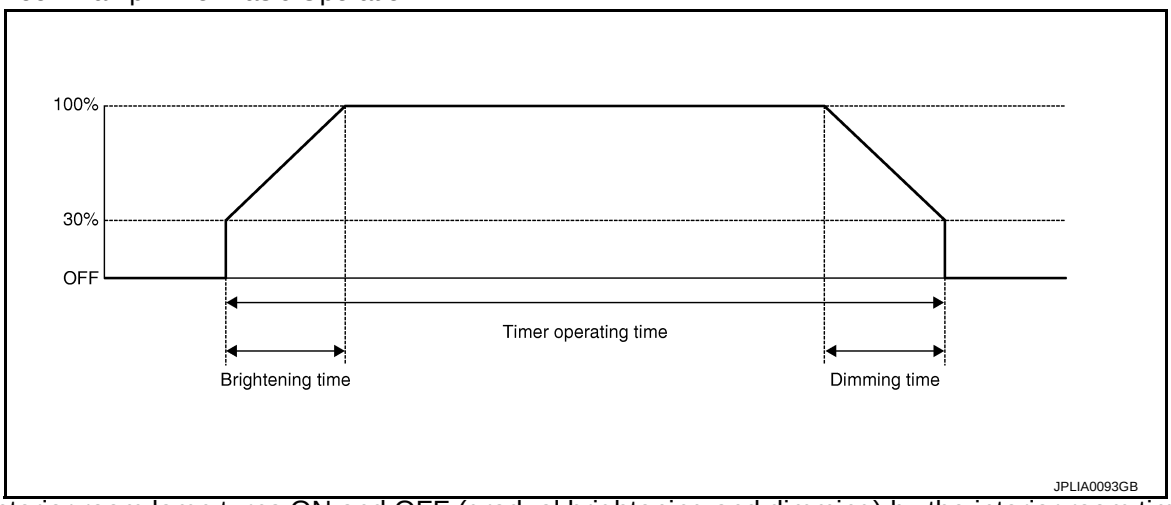
INFOID:0000000005476790

OUTLINE

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

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



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

- 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-III. Refer to INL-70, "INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Roadster Models)".

Interior Room Lamp ON Operation

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

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

Interior Room Lamp OFF Operation

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

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

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

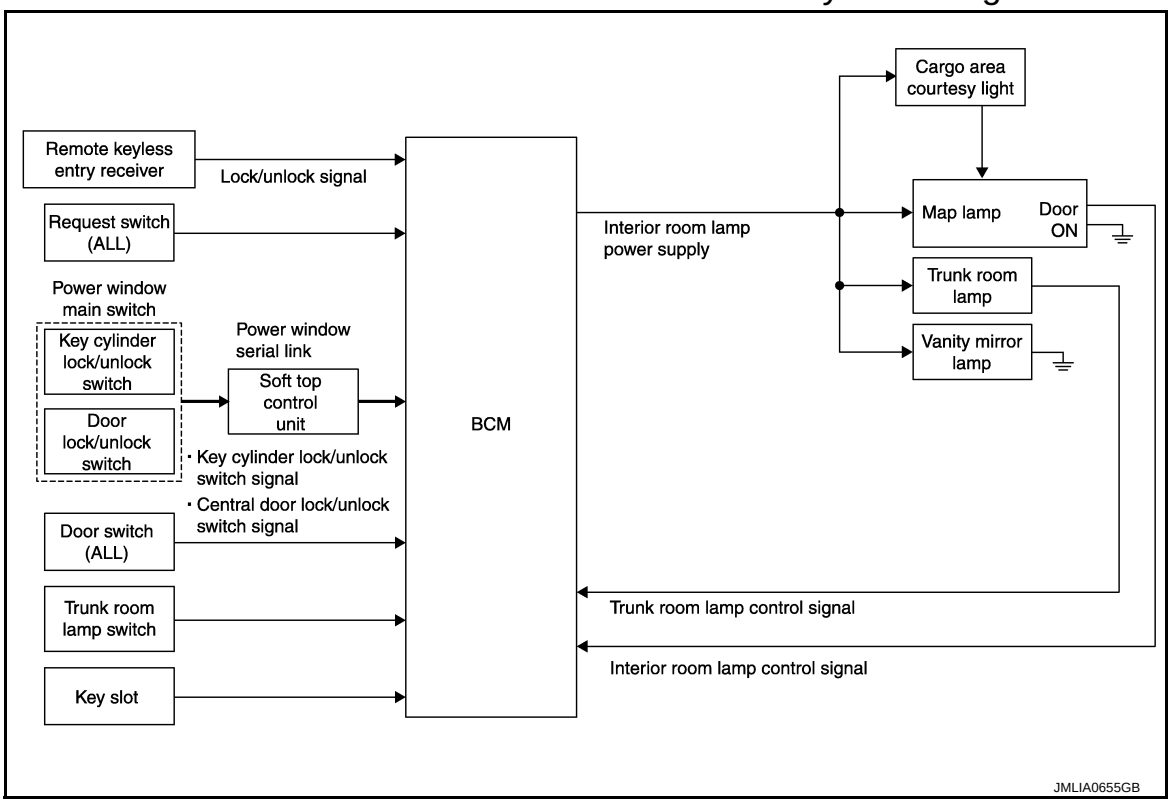
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- 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:0000000005476793



INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000005476794

OUTLINE

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

Applicable lamps

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

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

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

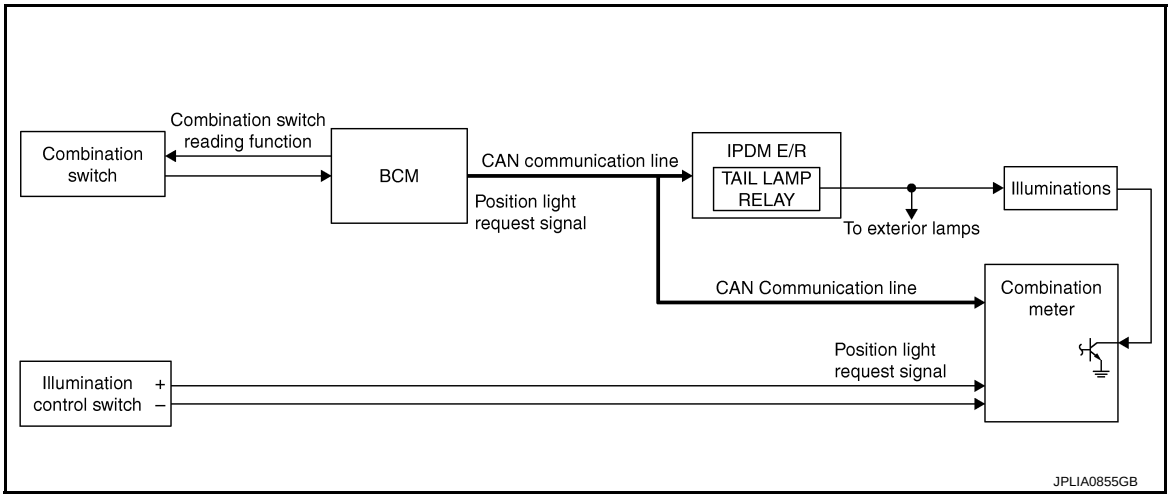
NOTE:

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to INL-71, "BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Roadster Models)".

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:0000000005476797



ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000005476798

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-6, "METER SYSTEM : System Diagram".)

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 night-time mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

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

INFOID:0000000005588105

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

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

SYSTEM APPLICATION
BCM can perform the following functions for each system.
NOTE:
It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

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

NOTE:
*: 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-III.

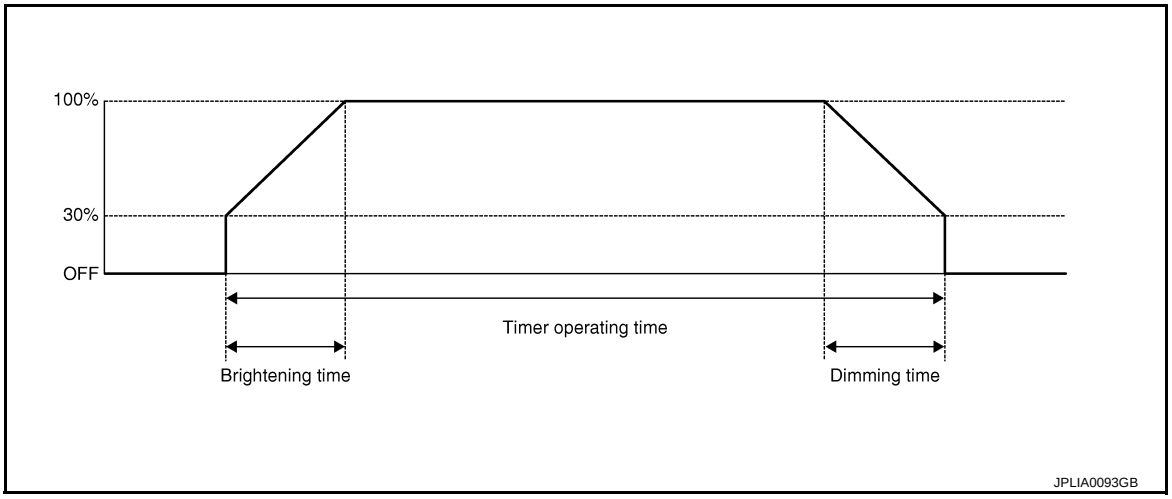
CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power position status of the moment a particular DTC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

INT LAMP

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

INFOID:0000000005476803

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

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]	

Monitor item [Unit]	Description
PUSH SW [On/Off]	The switch status input from push-button ignition switch
ACC RLY-F/B [On/Off]	**NOTE:** The item is indicated, but not monitored.
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
KEY SW-SLOT [On/Off]	Key switch status input from key slot
DOOR SW-DR [On/Off]	The switch status input from driver side door switch
DOOR SW-AS [On/Off]	The switch status input from passenger side door switch
DOOR SW-RR [On/Off]	**NOTE:** The item is indicated, but not monitored.
DOOR SW-RL [On/Off]	
DOOR SW-BK [On/Off]	
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]	The switch status input from trunk room lamp switch
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-III Function (BCM - BATTERY SAVER) (Roadster Models)

INFOID:0000000005476804

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.	

*: Factory setting

DATA MONITOR

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	**NOTE:** 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]	
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]	The switch status input from trunk room lamp switch
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)

CONSULT-III Function

INFOID:0000000005588106

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with soft top control unit.

Diagnosis mode		Function Description
ECU Identification		The soft top control unit part number is displayed.
Self Diagnostic Result		Displays the diagnosis results judged by soft top control unit.
	Freeze Frame Data	The soft top control unit records the vehicle condition at the time when the DTC is detected, and displays.
Data Monitor		The soft top control unit input/output signals are displayed.
Active Test		The signals used to activate each device are forcibly supplied from soft top control unit.
CAN Diag Support Monitor		Monitors the reception status of CAN communication viewed from soft top control unit. Refer to CONSULT-III operation manual.

SELF-DIAG RESULT

Refer to RF-41, "DTC Index".

Freeze Frame Data

The soft top control unit records the following vehicle condition at the time when the DTC is detected, and displays on CONSULT-III.

CONSULT-III display		Description
Item	Indication	
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.

CONSULT-III 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

CONSULT-III 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.
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-III 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.

DIAGNOSIS SYSTEM (METER)

Diagnosis Description

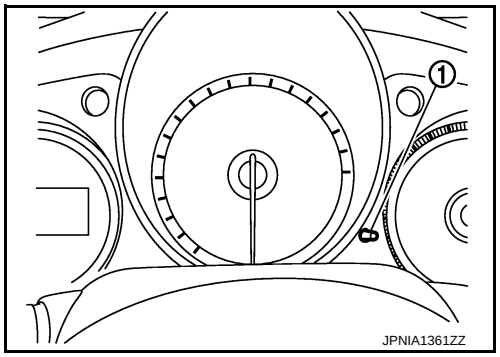
INFOID:0000000005588107

SELF-DIAGNOSIS MODE

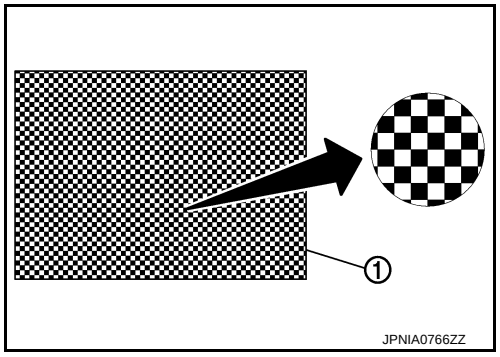
- LCD segment operation can be checked in self-diagnosis mode.
- Meters/gauges can be checked in self-diagnosis mode.

OPERATION PROCEDURE

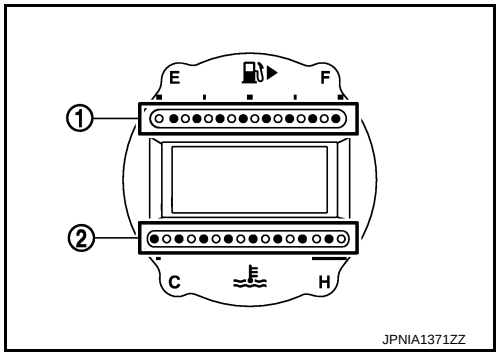
1. Turn ignition switch OFF.
2. While pressing the trip reset switch (1), turn ignition switch ON.
3. Make sure that the trip meter displays “0000.0”.
   NOTE:
   If the diagnosis function is activated with “trip A” displayed, the mileage on “trip A” is reset to “0000.0”. (The same way for “trip B”.)
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.



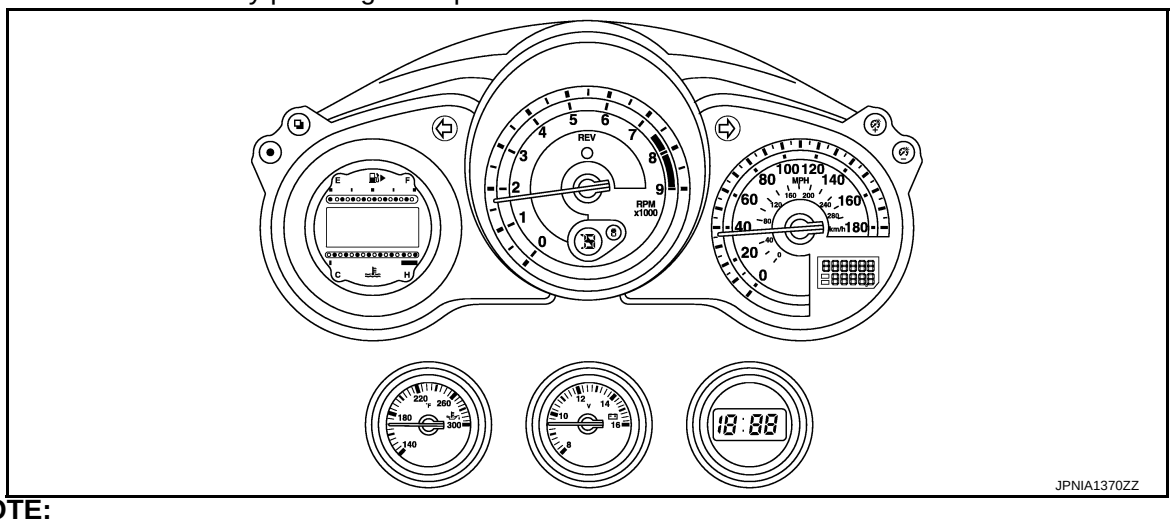
   - The fuel gauge (1) blink alternately.
   - The engine coolant temperature gauge (2) blink alternately.



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 starts, check the power supply and ground circuit of the triple meter, and the communication line circuit (METER⇔TRIPLE METER). Replace triple meter if power supply and ground circuit and the communication line circuit (METER⇔TRIPLE METER) are normal.
- If any of the segments does not illuminate, replace the combination meter or the triple meter (only when the clock of a segment that does not illuminate).

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



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

CONSULT-III Function (METER/M&A)

INFOID:0000000005588108

CONSULT-III APPLICATION ITEMS

CONSULT-III 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.
	Special function	Lighting history of the warning lamp and indicator lamp can be checked.

SELF DIAG RESULT

Refer to MWI-77, "DTC Index".

DATA MONITOR

Display Item List

X: Applicable

Display item [Unit]	MAIN SIGNALS	Description
SPEED METER [km/h]	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.
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.

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

Display item [Unit]	MAIN SIGNALS	Description
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.
SHIFT IND [P, R, N, D, L, M1, M2, M3, M4, M5, M6, M7]		• 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)
AT S MODE SW [Off]		This item is displayed, but cannot be monitored.
M RANGE SW [On/Off]		Status of manual mode switch.
NM RANGE SW [On/Off]		Status of non-manual mode switch.
AT SFT UP SW [On/Off]		Status of position select switch (up).
AT SFT DWN SW [On/Off]		Status of position select switch (down).
ST SFT UP SW [On/Off]		Status of paddle shifter up switch.
ST SFT DWN SW [On/Off]		Status of paddle shifter down switch.
PKB SW [On/Off]		Status of parking brake switch.
BUCKLE SW [On/Off]		Status of seat belt buckle switch (driver side).
BRAKE OIL SW [On/Off]		Status of brake fluid level switch.
AMB POWER [Off]		This item is displayed, but cannot be monitored.
A/C AMP CONN [On/Off]		Status of A/C auto amp. connection recognition signal.
ENTER SW [On/Off]		Status of ❑ (ENTER) switch.
SELECT SW [On/Off]		Status of ● (SELECT) switch.
MT SYNC REV SW [On/Off]		Status of S-MODE switch.
DISTANCE [km]		Value of possible driving distance calculated by combination meter.
OUTSIDE TEMP [°C or °F]		Ambient air temperature value converted from ambient sensor signal received from ambient sensor. **NOTE:** This may not match with the temperature value indicated on the information display. (Because the information display value is a corrected value from the ambient sensor input value.)
FUEL LOW SIG [On/Off]		Status of fuel level low warning signal to output to AV control unit via CAN communication.
CRANKING SIG [On/Off]		Cranking status judged by the engine status signal received from ECM via CAN communication.

Display item [Unit]	MAIN SIGNALS	Description
ST CNT SIG [On/Off]		Starter relay status judged by the starter relay status signal received from BCM via CAN communication.
BUZZER [On/Off]	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.

NOTE:

Some items are not available according to vehicle specification.

SPECIAL FUNCTION

Special menu

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

W/L ON HISTORY

- Stores histories when warning/indicator lamp is turned on.
- "W/L ON HISTORY" indicates the "TIME" when the warning/ indicator lamp is turned on.
- The "TIME" above is :

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

NOTE:

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

Display Item

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

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

ECU DIAGNOSIS INFORMATION

BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

List of ECU Reference

INFOID:0000000005476805

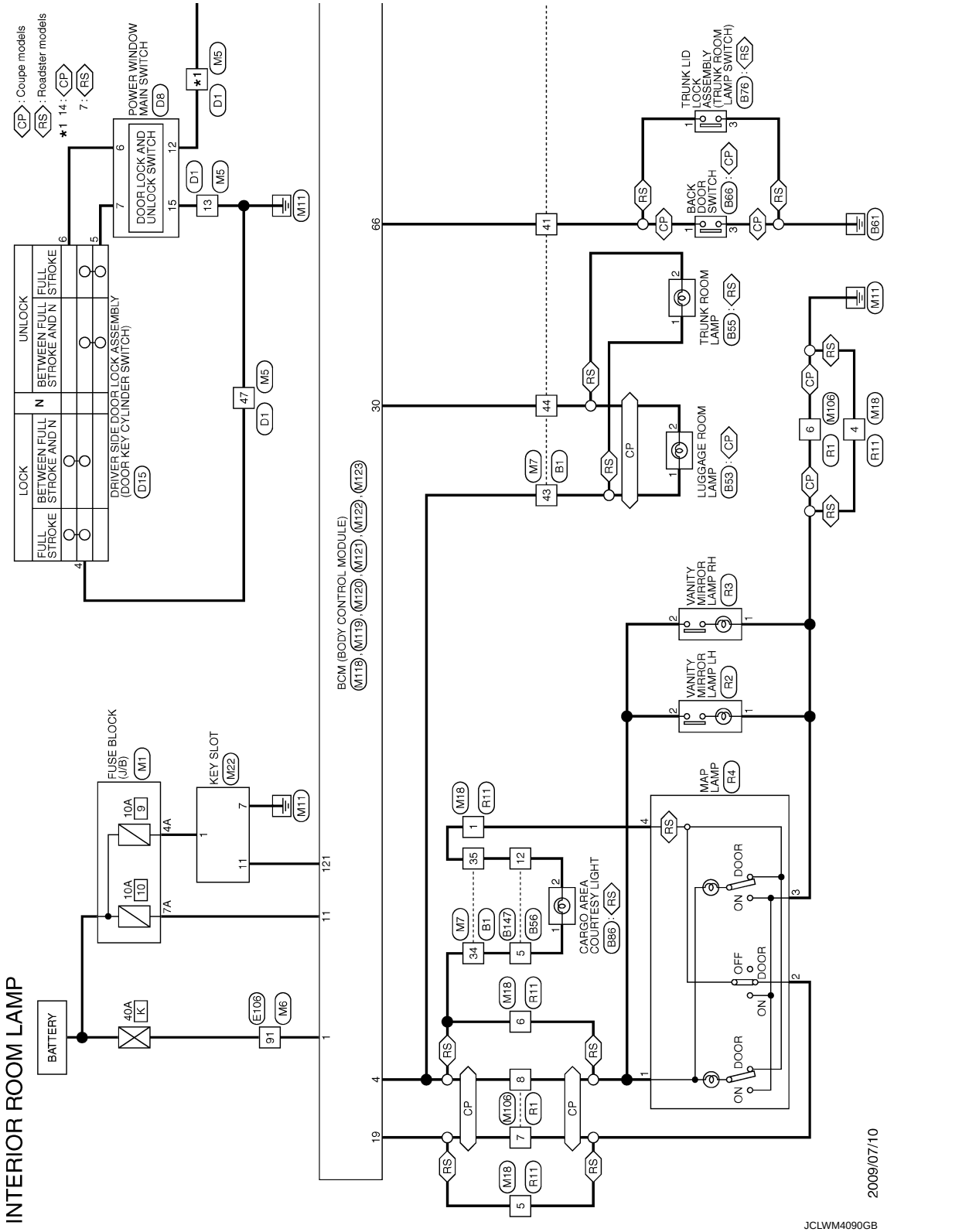
ECU	Reference
BCM	BCS-51, "Reference Value"
	BCS-82, "Fail-safe"
	BCS-85, "DTC Inspection Priority Chart"
	BCS-86, "DTC Index"
COMBINATION METER	MWI-57, "Reference Value"
	MWI-76, "Fail-Safe"
	MWI-77, "DTC Index"
SOFT TOP CONTROL UNIT	RF-32, "Reference Value"
	RF-39, "Fail-safe"
	RF-40, "DTC Inspection Priority Chart"
	RF-41, "DTC Index"

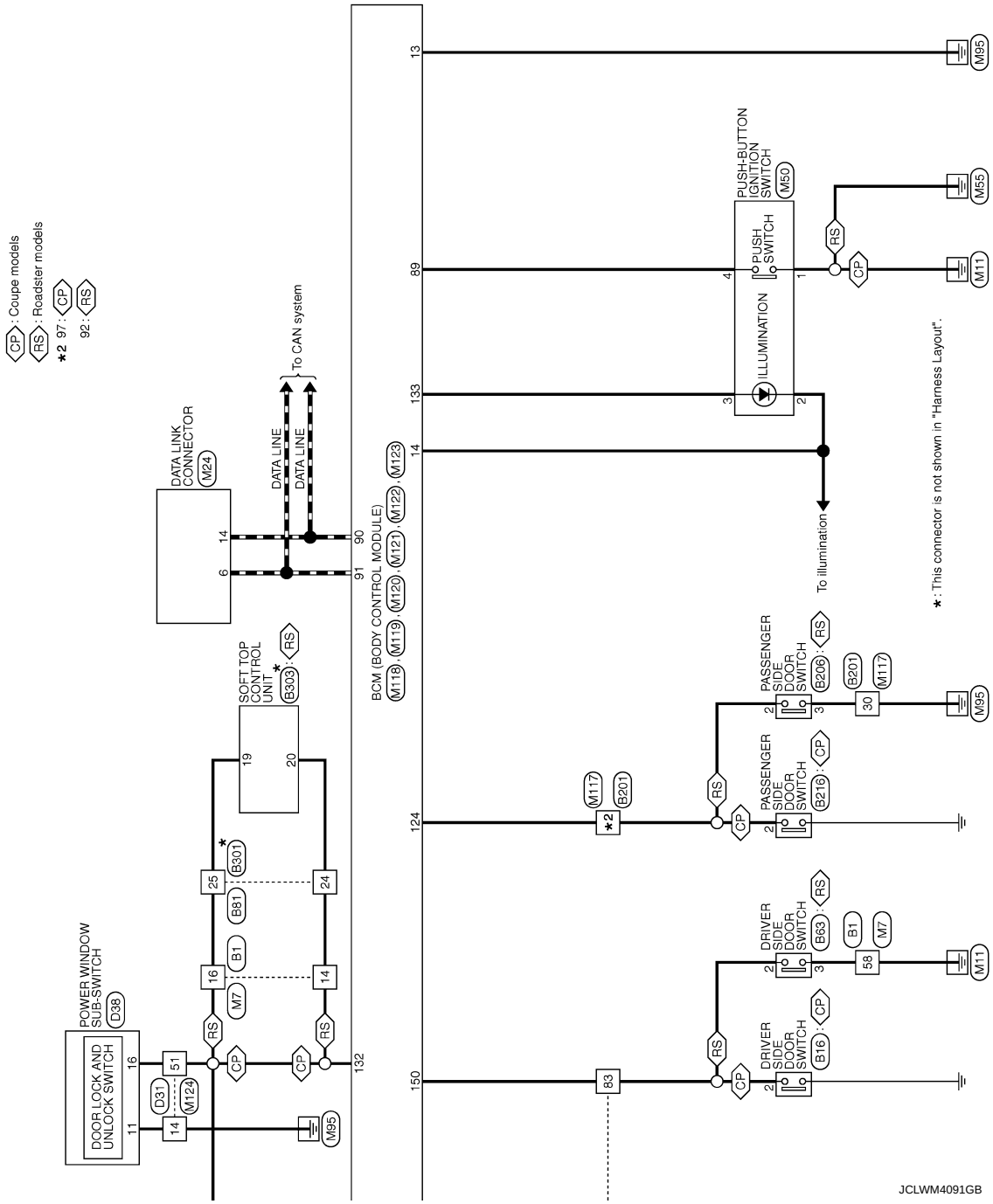
WIRING DIAGRAM

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram

INFOID:0000000005612306




CP : Coupe models
RS : Roadster models
*2 97 : CP
92 : RS
DATA LINK CONNECTOR M24
DATA LINE
DATA LINE
To CAN system
BCM (BODY CONTROL MODULE)
M118 M119 M120 M121 M122 M123
SOFT TOP CONTROL UNIT *
B303
POWER WINDOW SUB-SWITCH D38
DOOR LOCK AND UNLOCK SWITCH
PUSH-BUTTON IGNITION SWITCH M50
PUSH SWITCH
ILLUMINATION
To illumination
* : This connector is not shown in "Harness Layout".
PASSENGER SIDE DOOR SWITCH B206
PASSENGER SIDE DOOR SWITCH B216
DRIVER SIDE DOOR SWITCH B63
DRIVER SIDE DOOR SWITCH B16
JCLWM4091GB

INTERIOR ROOM LAMP

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	BG	– [Coupe models]
2	O	– [Roadster models]
3	Y	–
4	W	–
6	V	–
7	LG	–
8	GR	–
9	SB	–
11	Y	–
12	W	–
13	BR	–
14	LG	–
15	B	–
16	V	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	O	–
25	L	–
26	P	–
31	W	–
32	B	–
33	P	– [Coupe models]
33	W	– [Roadster models]
34	R	–
35	B	–
40	Y	–
41	L	–
42	GR	–
43	BR	–
44	R	–
45	BG	– [Coupe models]
45	O	– [Roadster models]
46	SB	–
47	V	–
48	SHIELD	–

51	W	–
52	R	–
57	SHIELD	–
58	B	–
60	V	–
61	SB	–
62	SHIELD	–
63	BR	–
64	Y	–
65	SHIELD	–
66	P	–
67	L	–
68	SHIELD	–
69	R	–
70	G	–
71	V	–
72	P	–
73	BR	–
74	GR	–
75	O	–
80	Y	–
81	R	–
82	B	–
83	GR	–
84	G	– [Coupe models]
84	L	– [Roadster models]
85	LG	–
86	V	–
87	BR	–
88	GR	–
93	Y	–
94	L	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
96	L	–
97	Y	–
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	LG	–
100	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–

Connector No.	B53
Connector Name	LUGGAGE ROOM LAMP
Connector Type	CJ02FGY

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	–
2	R	–

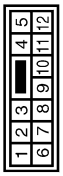
Connector No.	B55
Connector Name	TRUNK ROOM LAMP
Connector Type	S02FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	–
2	R	–

Connector No.	B56
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS

H.S.



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

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–
3	B	–

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INTERIOR ROOM LAMP

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	–

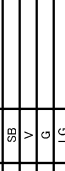
Connector No.	B81
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
4	W	–
5	BR	–
6	B	–
8	Y	–
9	O	–
14	GR	–
15	SB	–
16	V	–
17	G	–
24	LG	–
25	V	–
31	L	–
32	P	–
34	O	–
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	BR	– [Coupe models]
2	R	– [Roadster models]
3	Y	– [Coupe models]
3	B	– [Roadster models]
4	G	–
7	R	– [Coupe models]
7	Y	– [Roadster models]
8	LG	–
9	Y	–
11	R	–
20	G	–
21	R	–
30	B	–
40	W	–
41	V	–
42	G	–
43	L	–
44	SB	–
51	P	–
52	L	–
53	SHIELD	–
54	BR	–
55	Y	–
56	SHIELD	–
57	G	– [Coupe models]
57	P	– [Roadster models]
58	R	– [Coupe models]
58	L	– [Roadster models]
59	B	–
60	W	–
61	GR	–
62	B	–
63	Y	–
64	V	–
65	SB	–
66	BG	– [Coupe models]
66	O	– [Roadster models]
67	V	–
68	P	– [Coupe models]
68	GR	– [Roadster models]
69	L	– [Coupe models]
69	P	– [Roadster models]
70	G	– [Coupe models]
70	O	– [Roadster models]
80	V	–
81	SB	–
82	G	–
83	R	–
84	W	–
85	B	–
86	SHIELD	–
87	O	–
88	BR	–
89	Y	–
90	SHIELD	–
92	SB	– [Coupe models]
92	LG	– [Roadster models]
93	V	– [Coupe models]
93	W	– [Roadster models]
94	SHIELD	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	G	–
100	BR	– [Coupe models]
100	Y	– [Roadster models]

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INTERIOR ROOM LAMP

Connector No.	B206
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	–
3	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	–

Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

H.S.

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	TH40FB-NH

H.S.

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	TRUNK LID OPEN SIGNAL
11	O	ROOF STATUS SIGNAL (INDICATOR)
12	SB	ROOF STATUS SIGNAL (AUDIO)
14	L	ROOF OPEN / CLOSE SWITCH (CLOSE)
15	LG	ROOF OPEN / CLOSE SWITCH (OPEN)
16	V	TRUNK ROOM LAMP SWITCH
17	BG	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	GND
35	P	ROOF OPEN / CLOSE SWITCH (GND)

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	BG	– [Coupe models]
10	O	– [Roadster models]
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	G	–
23	R	–
44	L	–
47	B	–
48	SB	–
49	W	–
50	LG	–
51	R	–
52	V	–
53	BG	– [Coupe models]
53	O	– [Roadster models]
54	GR	–
55	G	–

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
4	Y	–
5	BG	– [Coupe models]
5	O	– [Roadster models]
6	GR	–
7	V	–
8	L	–
9	LG	–
10	Y	–
11	BR	–
12	SB	– [Coupe models]
12	Y	– [Roadster models]
13	R	–
14	G	–
15	B	–

Connector No.	D15
Connector Name	DRIVER SIDE DOOR LOCK ASSEMBLY
Connector Type	E06FGY-RS

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	– [Coupe models]
1	O	– [Roadster models]
2	G	–
3	SB	–
4	B	–
5	V	–
6	GR	–

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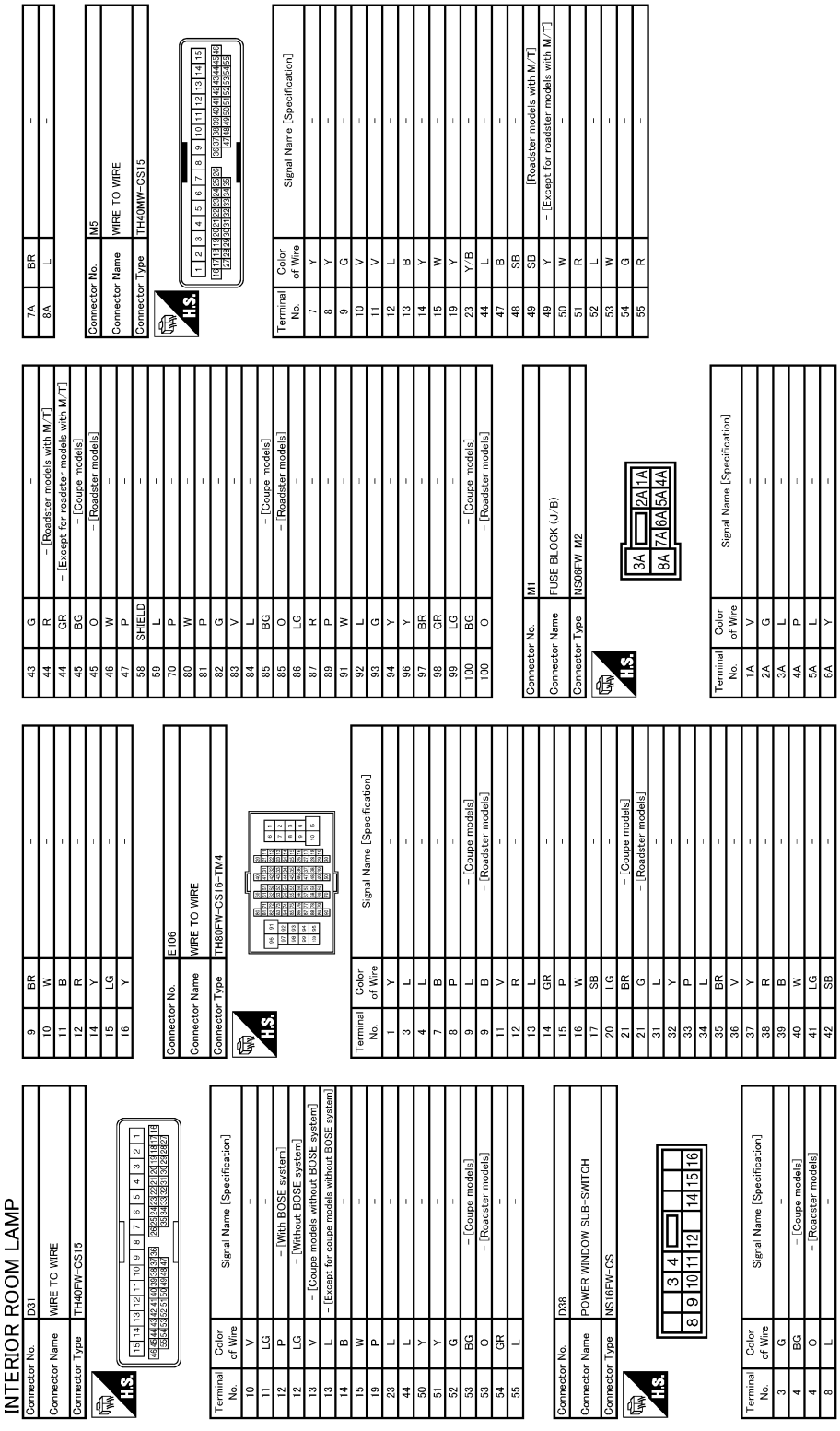

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INTERIOR ROOM LAMP

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	–
3	L	–
4	L	–
7	B	–
8	P	–
9	L	– [Coupe models]
9	B	– [Roadster models]
11	GR	–
12	R	–
13	L	–
14	G	–
15	P	–
16	W	–
17	BR	–
20	GR	–
21	BR	– [Coupe models]
21	R	– [Roadster models]
31	L	– [Roadster models with M/T]
31	BR	– [Except for roadster models with M/T]
32	Y	– [Roadster models with M/T]
32	V	– [Except for roadster models with M/T]
33	P	–
34	L	–
35	BR	–
36	SB	–
37	Y	–
38	LG	–
39	SB	–
40	W	–
41	LG	–
42	R	–
43	G	–
44	G	– [With A/T]
44	R	– [With M/T]
45	O	–
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	V	– [Roadster models with M/T]
87	G	– [Except for roadster models with M/T]
89	P	–
91	W	–
92	P	–
93	P	–
94	Y	–
96	P	–
97	GR	–
98	O	–
99	W	–
100	R	–

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

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	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	R	–
25	L	–
26	P	–
31	W	–
32	B	–
33	W	–
34	R	–
35	B	–
40	L	–
41	R	–
42	GR	–
43	R	– [Coupe models]
43	V	– [Roadster models]
44	R	–
45	O	–
46	G	– [With A/T]
46	SB	– [With M/T]
47	R	– [With A/T]
47	V	– [With M/T]
48	SHIELD	–
51	V	–
52	R	–
57	SHIELD	–
58	B	–
60	L	– [Coupe models]
60	V	– [Roadster models]
61	R	– [Coupe models]
61	SB	– [Roadster models]
62	SHIELD	–
63	R	– [Coupe models]
63	BR	– [Roadster models]
64	G	– [Coupe models]
64	Y	– [Roadster models]
65	SHIELD	–
66	LG	– [Coupe models]
66	P	– [Roadster models]
67	V	– [Coupe models]
67	L	– [Roadster models]
68	SHIELD	–
69	L	– [Coupe models]
69	R	– [Roadster models]
70	P	– [Coupe models]
70	G	– [Roadster models]
71	V	–
72	P	–
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	SB	– [Coupe models]
94	L	– [Roadster models]
95	GR	– [Coupe models]
95	W	– [Roadster models]
96	L	–
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	BG	– [Coupe models]
98	Y/B	– [Roadster models]
99	W	–
100	B	–

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH

H.S.

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

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Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT [Roadster models with M/T]
1	P	BAT [Except for roadster models with M/T]
2	GR	CLOCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GND
11	R	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

H.S.

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

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	R	–
3	R	– [Roadster models with M/T]
3	G	– [Except for roadster models with M/T]
4	BR	–
5	GR	–
6	Y	–
7	V	–
8	P	–

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

H.S.

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	R	–
16	G	–

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	– [Coupe models]
2	LG	– [Roadster models]
3	O	– [Coupe models]
3	B	– [Roadster models]
4	W	– [Coupe models]
4	G	– [Roadster models]
7	LG	– [Coupe models]
7	Y	– [Roadster models]
8	LG	–
9	Y	–
11	R	–
20	G	–
21	R	–
30	B	–
40	O	–
41	Y	–
42	G	–
43	L	–
44	SB	–
51	R	–
52	G	–
53	SHIELD	–
54	LG	– [Coupe models]
54	BR	– [Roadster models]
55	V	– [Coupe models]
55	Y	– [Roadster models]
56	SHIELD	–
57	G	– [Coupe models]
57	P	– [Roadster models]
58	R	– [Coupe models]
58	L	– [Roadster models]
59	B	–
60	W	–
61	GR	–
62	B	–
63	Y	–
64	L	–
65	G	–
66	O	– [Coupe models]
66	G	– [Roadster models]
67	V	–
68	P	– [Coupe models]
68	GR	– [Roadster models]
69	L	– [Coupe models]
69	P	– [Roadster models]
70	L	– [Coupe models]
70	O	– [Roadster models]
80	W	– [Coupe models]
80	L	– [Roadster models]
81	Y	–
82	W	–
83	B	–
84	R	–
85	G	–
86	SHIELD	–
87	G	–
88	L	–
89	P	–
90	SHIELD	–
92	G	– [Coupe models]
92	LG	– [Roadster models]
93	R	– [Coupe models]
93	V	– [Roadster models]
94	SHIELD	– [Coupe models]
94	G	– [Roadster models]
95	SB	– [Coupe models]
95	LG	– [Roadster models]
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	V	– [Coupe models]
98	Y/B	– [Roadster models]
99	G	–
100	BR	– [Coupe models]
100	Y	– [Roadster models]

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INTERIOR ROOM LAMP

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

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	SUPER LOCK OUTPUT [Coupe models]
5	V	SUPER LOCK OUTPUT [Roadster models]
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GND
14	R	PUSH-BUTTON IGNITION SW ILL POWER
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL [Coupe models]
19	V	ROOM LAMP TIMER CONTROL [Roadster models]

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 ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH

Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	LUGGAGE ROOM ANT– [Roadster models with M/T]
34	G	LUGGAGE ROOM ANT– [Except for roadster models with M/T]
35	V	LUGGAGE ROOM ANT+ [Roadster models with M/T]
35	R	LUGGAGE ROOM ANT+ [Except for roadster models with M/T]
38	B	BACK DOOR ANT–
39	W	BACK DOOR ANT+
47	Y	IGN RELAY (FROM E/R) CONT [Roadster models with M/T]
47	V	IGN RELAY (FROM E/R) CONT [Except for roadster models with M/T]
52	SB	STARTER RELAY CONT
61	W	BACK DOOR REQUEST SW [Coupe models]
61	W	TRUNK LID REQUEST SW [Roadster models]
64	V	I-KEY WARN BUZZER (ENG ROOM) [Roadster models with M/T]
64	G	I-KEY WARN BUZZER (ENG ROOM) [Except for roadster models with M/T]
66	R	BACK DOOR SW [Coupe models]
66	R	TRUNK ROOM LAMP SW [Roadster models]
67	GR	BACK DOOR OPENER SW [Coupe models]

67	GR	TRUNK LID OPENER SW [Roadster models]

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2– [Roadster models with M/T]
72	L	ROOM ANT 2– [Except for roadster models with M/T]
73	G	ROOM ANT 2+ [Roadster models with M/T]
73	P	ROOM ANT 2+ [Except for roadster models with M/T]
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– [With A/T]
78	Y	ROOM ANT 1– [With M/T]
79	R	ROOM ANT 1+ [With A/T]
79	BR	ROOM ANT 1+ [With M/T]
80	GR	NATS ANT AMP.
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/B) CONT
83	Y	KYLS ENT RECEIVER (FRONT, COMM) [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT, COMM) [Except for roadster models with M/T]
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
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
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P [With A/T]
99	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]
99	R	CLUTCH PEDAL POS SW [Roadster models with M/T]
100	G	PASSENGER DOOR REQUEST SW [Roadster models with M/T]
100	GR	PASSENGER DOOR REQUEST SW [Except for roadster models with M/T]
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]
101	Y	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]

102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
105	GR	KYLS ENT RECEIVER (REAR) PWR SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW [Roadster models with M/T]
110	P	HAZARD SW [Except for roadster models with M/T]
111	Y	S/L UNIT COMM

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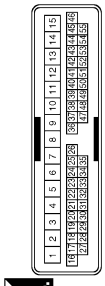
INTERIOR ROOM LAMP

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH

Terminal No.	Color of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	SHOCK SENSOR
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/B
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFOGGER SW
132	Y	POWER WINDOW SW COMM [Coupe models]
132	V	P/ W SW & SOFT TOP C/ U COMM [Roadster models]
133	R	PUSH BUTTON IGNITION SW (LH POWER) [Roadster models with M/T]
133	G	PUSH BUTTON IGNITION SW (ALL POWER) [Except for roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER/SENSOR GND [Roadster models with M/T]
137	P	RECEIVER/SENSOR GND [Except for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS/KYLS ENT [REAR] RECEIV COMM
140	G	SHIFT N/P [With A/T]
140	G	P/ N POSITION SW [With M/T]
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
149	W	TIRE PRESSURE WARN CHECK SW
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
10	G	– [Coupe models]
10	V	– [Roadster models]
11	V	– [Coupe models]
11	LG	– [Roadster models]
12	LG	–
13	V	–
14	B	–
15	W	–
19	Y	–
23	Y/B	–
44	R	– [Coupe models]
44	O	– [Roadster models]
50	Y	–
51	Y	–
52	G	– [Roadster models with M/T]
52	GR	– [Except for roadster models with M/T]
53	W	–
54	G	–
55	R	–

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	–
11	B	–
12	Y	–
13	G	–
14	SHIELD	–
15	R	–
16	G	–

Connector No.	R2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	R	–

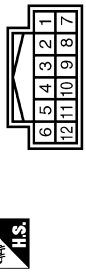
Connector No.	R3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	R	–

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK06FGY

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



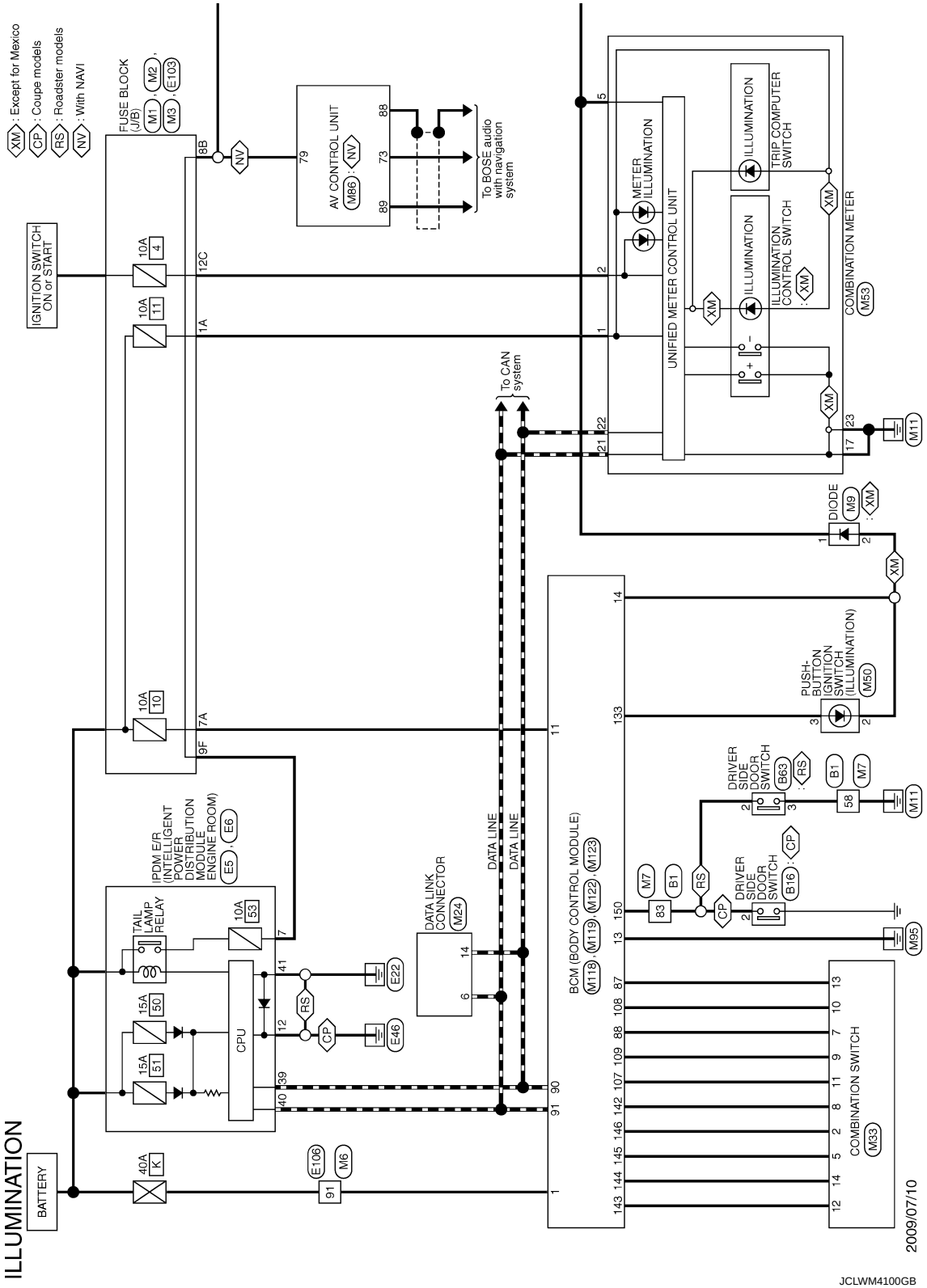
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	–
2	B	–
3	R	–
4	B	–
5	V	–
6	R	–
7	SHIELD	–
8	R	–
9	G	–
10	B	–
11	G	–
12	Y	–

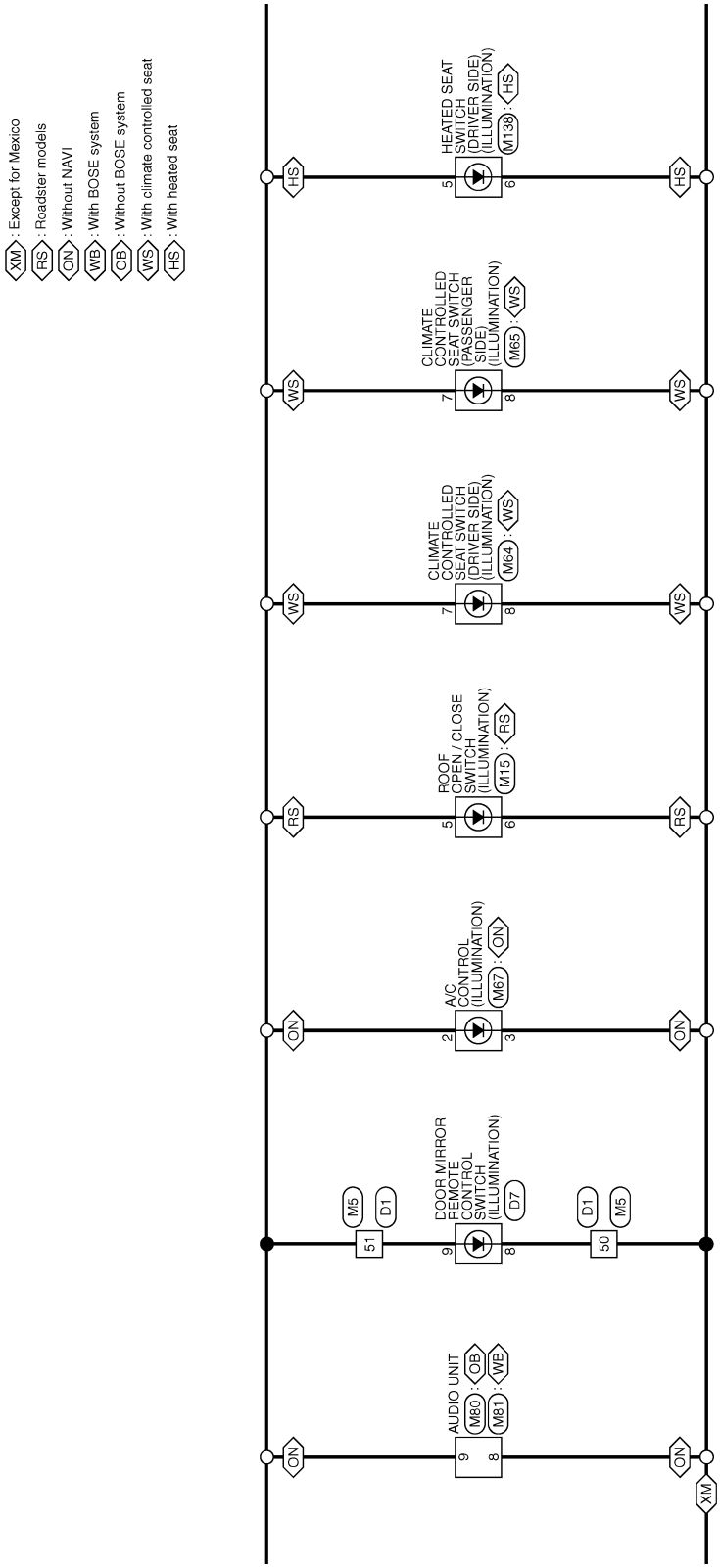
JCLWM4099GB

ILLUMINATION

Wiring Diagram

INFOID:0000000005612307





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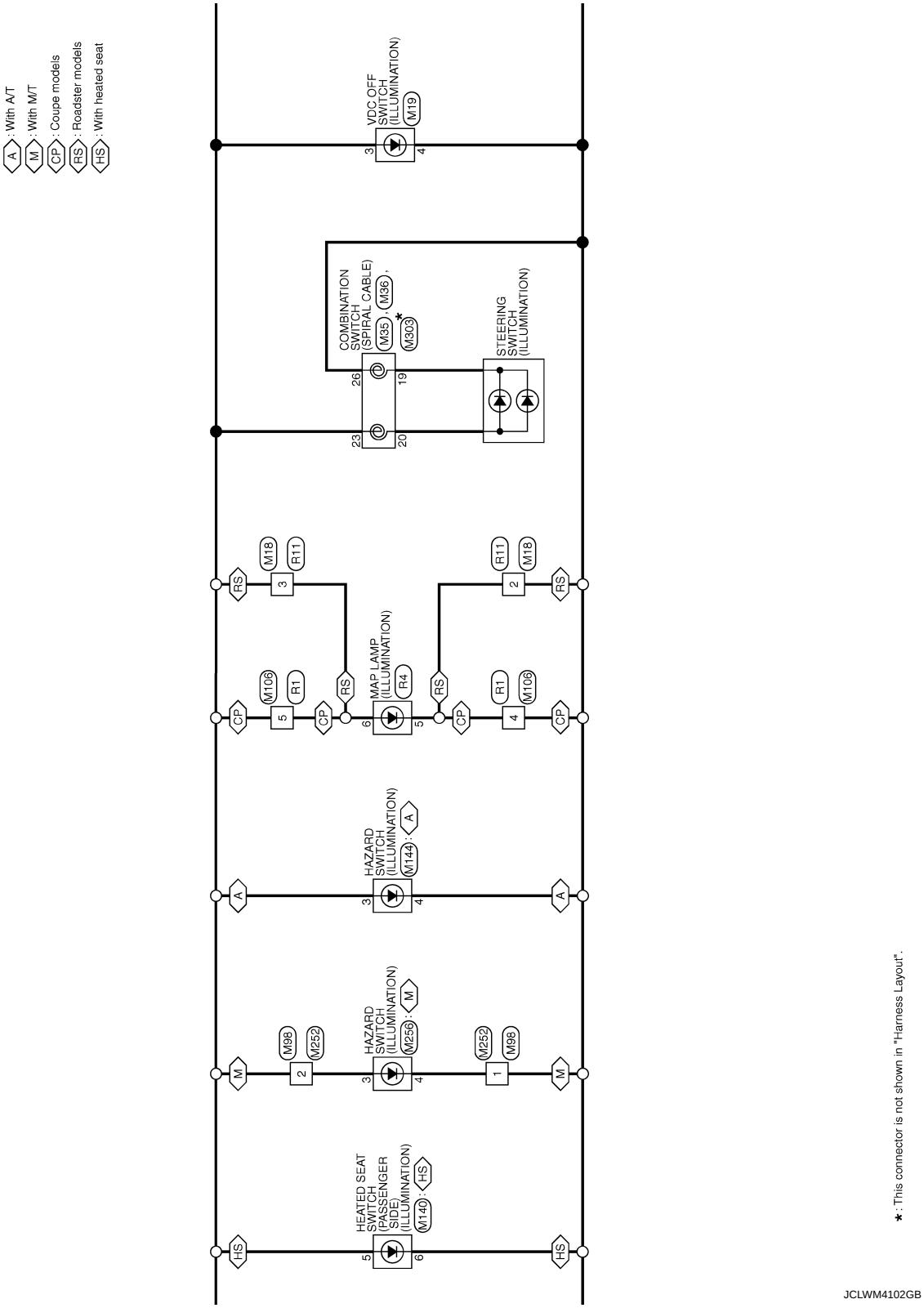
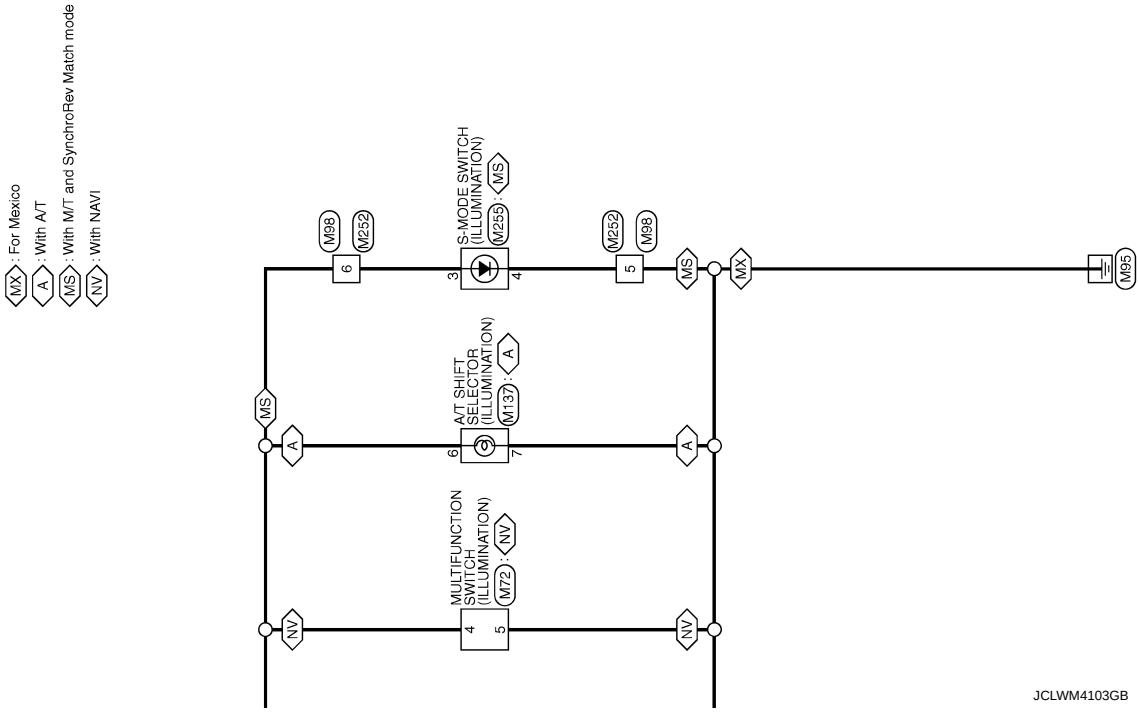


★ : This connector is not shown in "Harness Layout".


MX : For Mexico
A : With A/T
MS : With M/T and SynchroRev Match mode
NV : With NAVI
M98
M252
6
S-MODE SWITCH (ILLUMINATION)
MS
M255
3
4
M252
M98
5
MS
MX
M95
A/T SHIFT SELECTOR (ILLUMINATION)
A
M137
6
7
MULTIFUNCTION SWITCH (ILLUMINATION)
NV
M72
4
5
JCLWM4103GB

ILLUMINATION

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	BG	– [Coupe models]
2	O	– [Roadster models]
3	Y	–
4	W	–
6	V	–
7	LG	–
8	GR	–
9	SB	–
11	Y	–
12	W	–
13	BR	–
14	LG	–
15	B	–
16	V	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	O	–
25	L	–
26	P	–
31	W	–
32	B	–
33	P	– [Coupe models]
33	W	– [Roadster models]
34	R	–
35	B	–
40	Y	–
41	L	–
42	GR	–
43	BR	–
44	R	–
45	BG	– [Coupe models]
45	O	– [Roadster models]
46	SB	–
47	V	–
48	SHIELD	–
51	W	–
52	R	–
57	SHIELD	–
58	B	–
60	V	–
61	SB	–
62	SHIELD	–
63	BR	–
64	Y	–
65	SHIELD	–
66	P	–
67	L	–
68	SHIELD	–
69	R	–
70	G	–
71	V	–
72	P	–
73	BR	–
74	GR	–
75	O	–
80	Y	–
81	R	–
82	B	–
83	GR	–
84	G	– [Coupe models]
84	L	– [Roadster models]
85	LG	–
86	V	–
87	BR	–
88	GR	–
93	Y	–
94	L	– [Coupe models]
94	G	– [Roadster models]
95	GR	– [Coupe models]
95	LG	– [Roadster models]
96	L	–
97	Y	–
98	W	– [Coupe models]
98	Y/B	– [Roadster models]
99	LG	–
100	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–

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

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–
3	B	–

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	BG	– [Coupe models]
10	O	– [Roadster models]
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	G	–
23	R	–
44	L	–
47	B	–
48	SB	–
49	W	–
50	LG	–
51	R	–
52	V	–
53	BG	– [Coupe models]
53	O	– [Roadster models]
54	GR	–
55	G	–

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
7	V	–
8	LG	–
9	R	–
10	Y	–
12	G	–
13	GR	–
14	L	–
15	BG	– [Coupe models]
15	O	– [Roadster models]
16	BR	–

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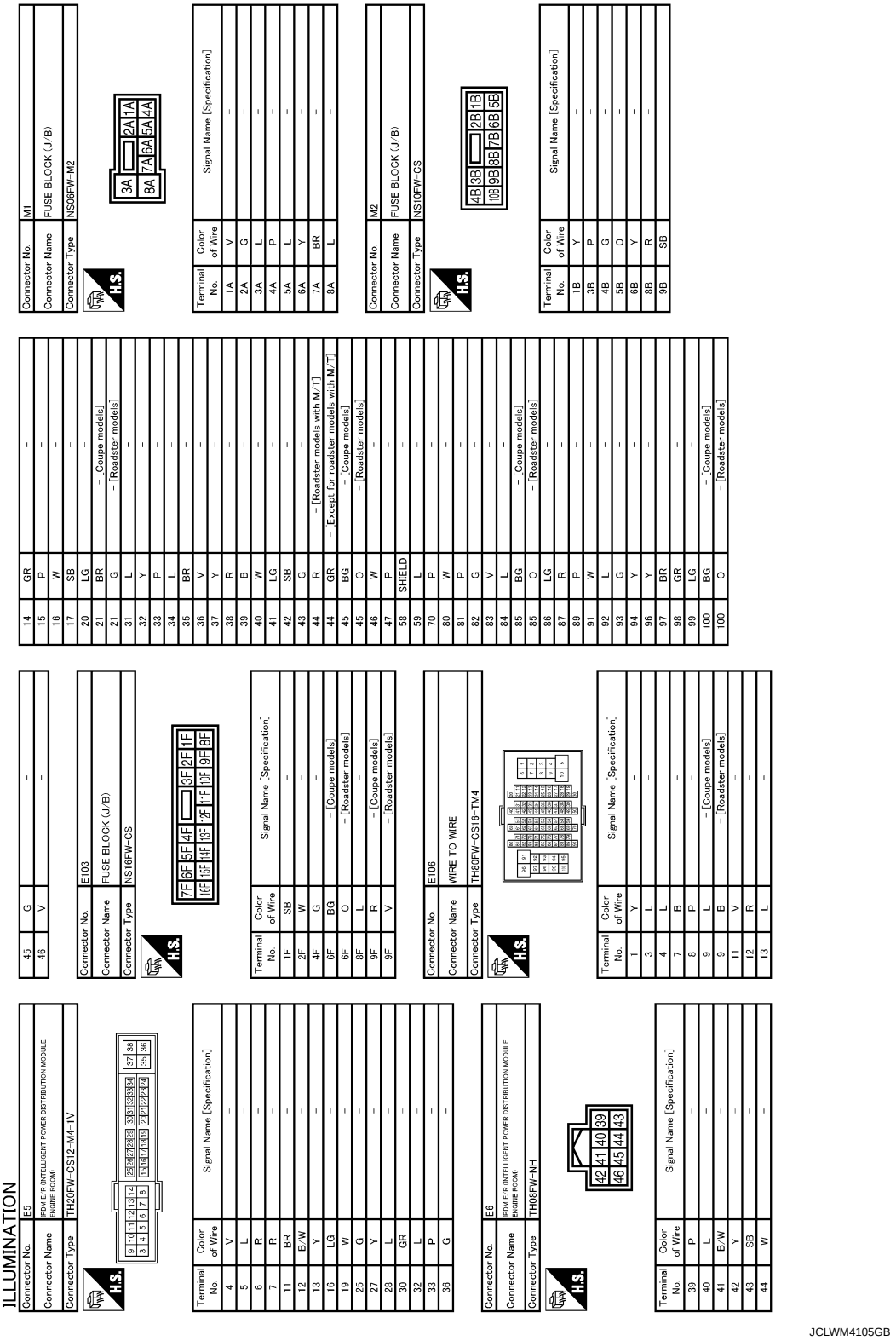
ILLUMINATION
Connector No. E5
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type TH20FW-CS12-M4-1Y
H.S.
9 10 11 12 13 14
3 4 5 6 7 8
65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35
Terminal No. Color of Wire Signal Name [Specification]
4 V –
5 L –
6 R –
7 R –
11 BR –
12 B/W –
13 Y –
16 LG –
19 W –
25 G –
27 Y –
28 L –
30 GR –
32 L –
33 P –
36 G –
Connector No. E6
Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type TH08FW-NH
H.S.
42 41 40 39
46 45 44 43
Terminal No. Color of Wire Signal Name [Specification]
39 P –
40 L –
41 B/W –
42 Y –
43 SB –
44 W –
45 G –
46 V –
Connector No. E103
Connector Name FUSE BLOCK (J/B)
Connector Type NS16FW-CS
H.S.
7F 6F 5F 4F 3F 2F 1F
16F 15F 14F 13F 12F 11F 10F 9F 8F
Terminal No. Color of Wire Signal Name [Specification]
1F SB –
2F W –
4F G –
6F BG – [Coupe models]
6F O – [Roadster models]
8F L –
9F R – [Coupe models]
9F V – [Roadster models]
Connector No. E106
Connector Name WIRE TO WIRE
Connector Type TH80FW-CS16-TM4
H.S.
Terminal No. Color of Wire Signal Name [Specification]
1 Y –
3 L –
4 L –
7 B –
8 P –
9 L – [Coupe models]
9 B – [Roadster models]
11 V –
12 R –
13 L –
14 GR –
15 P –
16 W –
17 SB –
20 LG –
21 BR – [Coupe models]
21 G – [Roadster models]
31 L –
32 Y –
33 P –
34 L –
35 BR –
36 V –
37 Y –
38 R –
39 B –
40 W –
41 LG –
42 SB –
43 G –
44 R – [Roadster models with M/T]
44 GR – [Except for roadster models with M/T]
45 BG – [Coupe models]
45 O – [Roadster models]
46 W –
47 P –
58 SHIELD –
59 L –
70 P –
80 W –
81 P –
82 G –
83 V –
84 L –
85 BG – [Coupe models]
85 O – [Roadster models]
86 LG –
87 R –
89 P –
91 W –
92 L –
93 G –
94 Y –
96 BR –
97 GR –
98 LG –
99 L – [Coupe models]
100 BG – [Roadster models]
100 O – [Roadster models]
Connector No. M1
Connector Name FUSE BLOCK (J/B)
Connector Type NS06FW-M2
H.S.
3A 2A 1A
8A 7A 6A 5A 4A
Terminal No. Color of Wire Signal Name [Specification]
1A V –
2A G –
3A L –
4A P –
5A L –
6A Y –
7A BR –
8A L –
Connector No. M2
Connector Name FUSE BLOCK (J/B)
Connector Type NS10FW-CS
H.S.
4B 3B 2B 1B
10B 9B 8B 7B 6B 5B
Terminal No. Color of Wire Signal Name [Specification]
1B Y –
3B P –
4B G –
5B O –
6B Y –
8B R –
9B SB –
JCLWM4105GB

ILLUMINATION

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS

H.S.

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

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

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

H.S.

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

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	–
8	Y	–
9	G	–
10	V	–
11	V	–
12	L	–
13	B	–
14	Y	–
15	W	–
19	Y	–
23	Y/B	–
44	L	–
47	B	–
48	SB	–
49	SB	– [Roadster models with M/T]
49	Y	– [Except for roadster models with M/T]
50	W	–
51	R	–
52	L	–
53	W	–
54	G	–
55	R	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	–
3	L	–
4	L	–
7	B	–
8	P	–
9	L	– [Coupe models]
9	B	– [Roadster models]
11	GR	–
12	R	–
13	L	–
14	G	–
15	P	–
16	W	–
17	BR	–
20	GR	– [Coupe models]
21	BR	– [Roadster models]
21	R	– [Roadster models with M/T]
31	L	– [Except for roadster models with M/T]
31	BR	– [Roadster models with M/T]
32	Y	– [Except for roadster models with M/T]
32	V	– [Roadster models with M/T]
33	P	–
34	L	–
35	BR	–
36	SB	–
37	Y	–
38	LG	–
39	SB	–
40	W	–
41	LG	–
42	R	–
43	G	–
44	G	– [With A/T]
44	R	– [With M/T]
45	O	–
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	V	– [Roadster models with M/T]
87	G	– [Except for roadster models with M/T]
89	P	–
91	W	–
92	P	–
93	P	–
94	Y	–
96	P	–
97	GR	–
98	O	–
99	W	–
100	R	–

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ILLUMINATION

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

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	–
20	SB	–
21	G	–
22	GR	–
23	V	–
24	R	–
25	L	–
26	P	–
31	W	–
32	B	–
33	W	–
34	R	–
35	B	–
40	L	–
41	R	–
42	GR	–
43	R	– [Coupe models]
43	V	– [Roadster models]
44	R	–
45	O	–
46	G	– [With A/T]
46	SB	– [With M/T]
47	R	– [With A/T]
47	V	– [With M/T]
48	SHIELD	–

51	V	–
52	R	–
57	SHIELD	–
58	B	–
60	L	– [Coupe models]
60	V	– [Roadster models]
61	R	– [Coupe models]
61	SB	– [Roadster models]
62	SHIELD	–
63	R	– [Coupe models]
63	BR	– [Roadster models]
64	G	– [Coupe models]
64	Y	– [Roadster models]
65	SHIELD	–
66	LG	– [Coupe models]
66	P	– [Roadster models]
67	V	– [Coupe models]
67	L	– [Roadster models]
68	SHIELD	–
69	L	– [Coupe models]
69	R	– [Roadster models]
70	P	– [Coupe models]
70	G	– [Roadster models]
71	V	–
72	P	–
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	SB	– [Coupe models]
94	L	– [Roadster models]
95	GR	– [Coupe models]
95	W	– [Roadster models]
96	L	–
97	LG	– [Coupe models]
97	Y	– [Roadster models]
98	BG	– [Coupe models]
98	Y/B	– [Roadster models]
99	W	–
100	B	–

Connector No.	M9
Connector Name	DIODE
Connector Type	24335 C9900

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
2	R	–

Connector No.	M15
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	TK06FW-1V

H.S.

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	TH12MW-NH

H.S.

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

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK04FW

H.S.

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

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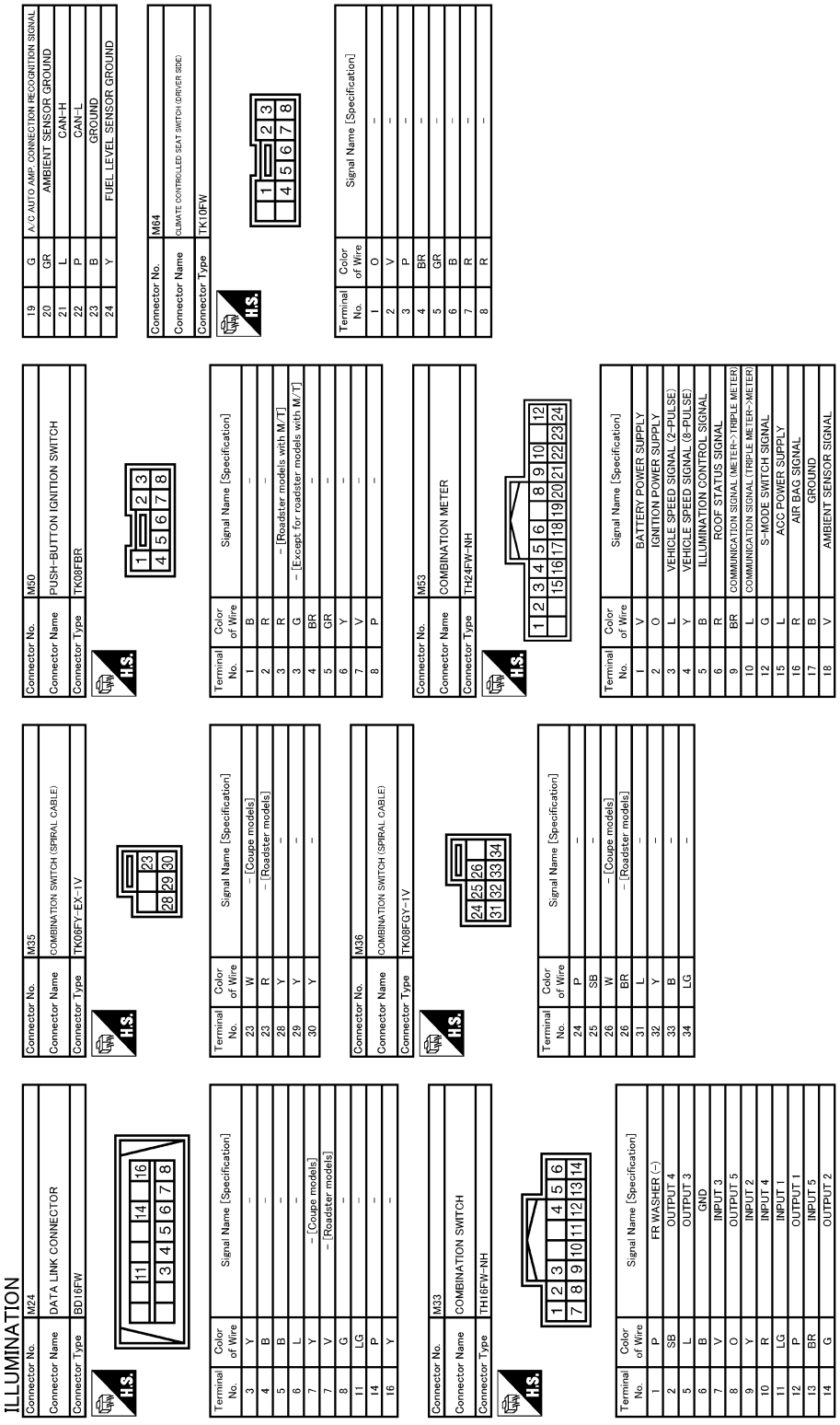


JCLWM4108GB

ILLUMINATION

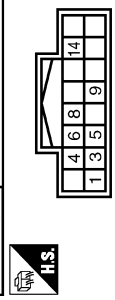
Connector No.	M65
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR

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

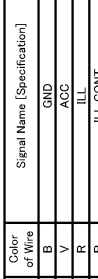
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	IGNITION POWER SUPPLY
2	R	ILL+
3	W	ILL–
4	P	TX (SW>AMP)
5	L	RX (AMP>SW)
6	B	GROUND

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



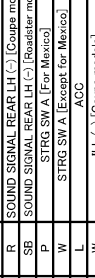
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	V	ACC
4	R	ILL
5	R	ILL CONT
6	LG	AV COMM (H) [Coupe models]
6	L	AV COMM (H) [Roadster models]
8	Y	AV COMM (L) [Coupe models]
8	P	AV COMM (L) [Roadster models]
9	BR	SW GND
14	SB	DISK EJECT SIGNAL

Connector No.	M80
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



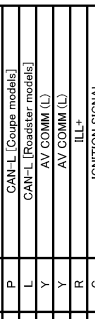
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT SPEAKER LH (+)
3	V	SOUND SIGNAL FRONT SPEAKER LH (–)
6	P	STRG SW A
7	L	ACC
8	W	ILL (–)
9	R	ILL (+)
11	V	SOUND SIGNAL FRONT SPEAKER RH (+)
12	LG	SOUND SIGNAL FRONT SPEAKER RH (–)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY

Connector No.	M81
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 LH (+) [Coupe models]
2	P	SOUND SIGNAL FRONT LH (+) [Roadster models]
3	V	SOUND SIGNAL FRONT LH (–) [Coupe models]
3	L	SOUND SIGNAL FRONT LH (–) [Roadster models]
4	L	SOUND SIGNAL REAR LH (+) [Coupe models]
4	V	SOUND SIGNAL REAR LH (+) [Roadster models]
5	R	SOUND SIGNAL REAR LH (–) [Coupe models]
5	SB	SOUND SIGNAL REAR LH (–) [Roadster models]
6	P	STRG SW A [For Mexico]
6	W	STRG SW A [Except for Mexico]
7	L	ACC
8	W	ILL (–) [Coupe models]
8	O	ILL (–) [Roadster models]
9	R	ILL (+)
10	SHIELD	SHIELD
11	L	SOUND SIGNAL FRONT RH (+) [Coupe models]
11	R	SOUND SIGNAL FRONT RH (+) [Roadster models]
12	P	SOUND SIGNAL FRONT RH (–) [Coupe models]
12	G	SOUND SIGNAL FRONT RH (–) [Roadster models]
13	R	SOUND SIGNAL REAR RH (+) [Coupe models]
13	BR	SOUND SIGNAL REAR RH (+) [Roadster models]
14	G	SOUND SIGNAL REAR RH (–) [Coupe models]
14	Y	SOUND SIGNAL REAR RH (–) [Roadster models]
15	B	STRG SW GND
16	L	STRG SW B [For Mexico]
16	GR	STRG SW B [Except for Mexico]
18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
19	Y	BATTERY
20	SHIELD	SHIELD

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



Terminal No.	Color of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	B	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	R	MICROPHONE VCC
73	G	COMM (CONT->DISP) [Coupe models]
73	R	COMM (CONT->DISP) [Roadster models]
74	P	CAN-L [Coupe models]
74	L	CAN-L [Roadster models]
75	Y	AV COMM (L)
76	Y	AV COMM (L)
79	R	ILL+
80	G	IGNITION SIGNAL
81	O	REVERSE SIGNAL
82	Y	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
84	Y	–
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	R	COMM (DISP->CONT) [Coupe models]
89	G	COMM (DISP->CONT) [Roadster models]
90	L	CAN-H [Coupe models]
90	P	CAN-H [Roadster models]
91	LG	AV COMM (H)
92	LG	AV COMM (H)

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ILLUMINATION

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	– [Coupe models]
3	B	– [Roadster models]
4	P	– [Coupe models]
4	G	– [Roadster models]
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	Y	–
12	G	–
13	SHIELD	–
14	R	–
15	G	–
16	G	–

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

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	SUPER LOCK OUTPUT [Coupe models]
5	V	SUPER LOCK OUTPUT [Roadster models]
8	V	ALL DOOR, FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GND
14	R	PUSH-BUTTON IGNITION SW ILL POWER
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT, SIDE)
18	O	TURN SIGNAL LH (FRONT, SIDE)
19	P	ROOM LAMP TIMER CONTROL [Coupe models]
19	V	ROOM LAMP TIMER CONTROL [Roadster models]

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2– [Roadster models with M/T]
72	L	ROOM ANT 2– [Except for roadster models with M/T]
73	G	ROOM ANT 2+ [Roadster models with M/T]
73	P	ROOM ANT 2+ [Except for roadster models with M/T]
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– [With A/T]
78	Y	ROOM ANT 1– [With M/T]
79	R	ROOM ANT 1+ [With A/T]
79	BR	ROOM ANT 1+ [With M/T]
80	GR	NATS ANT AMP.
81	W	NATS ANT AMP.
82	R	IGN RELAY (F/B) CONT
83	Y	KYLS ENT RECEIVER (FRONT) COMM [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT) COMM [Except for roadster models with M/T]
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	PUSH SW
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
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P [With A/T]
99	BR	CLUTCH PEDAL POS SW [Coupe models with M/T]
99	R	CLUTCH PEDAL POS SW [Roadster models with M/T]
100	G	PASSENGER DOOR REQUEST SW [Roadster models with M/T]
100	GR	PASSENGER DOOR REQUEST SW [Except for roadster models with M/T]
101	SB	DRIVER DOOR REQUEST SW [Roadster models with M/T]
101	Y	DRIVER DOOR REQUEST SW [Except for roadster models with M/T]
102	O	BLOWER FAN MOTOR RELAY CONT
103	LG	KYLS ENT RECEIVER (FRONT) PWR SUPPLY
105	GR	KYLS ENT RECEIVER (REAR) PWR SUPPLY
106	W	S/L UNIT POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW [Roadster models with M/T]
110	P	HAZARD SW [Except for roadster models with M/T]
111	Y	S/L UNIT COMM

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ILLUMINATION

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH

Terminal No.	Color of Wire	Signal Name [Specification]
113	O	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
115	O	SHOCK SENSOR
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/B
124	LG	PASSENGER DOOR SW
129	O	TRUNK LID OPENER CANCEL SW
130	L	REAR DEFOGGER SW
132	Y	POWER WINDOW SW COMM [Coupe models]
132	V	P/W SW & SOFT TOP C/U COMM [Roadster models]
133	R	PUSH BUTTON IGNITION SW (LH. POWER [Roadster models with M/T]
133	G	PUSH BUTTON IGNITION SW (ALL POWER [Except for roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER/SENSOR GND [Roadster models with M/T]
137	P	RECEIVER/SENSOR GND [Except for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS/KYLS ENT (REAR) RECEIV COMM
140	G	SHIFT N/P [With A/T]
140	G	P/N POSITION SW [With M/T]
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
149	W	TIRE PRESSURE WARN CHECK SW
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TK10FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	–
2	V	–
3	L	–
4	B	–
5	G	–
6	R	–
7	W	–
8	P	–
9	Y	–
10	R	–

Connector No.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS06FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	O	–
3	GR	–
4	B	–
5	R	–
6	W	–

Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06FBR-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	O	–
3	GR	–
4	B	–
5	R	–
6	W	–

Connector No.	M144
Connector Name	HAZARD SWITCH
Connector Type	TK04FW

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

Connector No.	M252
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-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	L	–
7	G	–
8	G	–

Connector No.	M255
Connector Name	S-MODE SWITCH
Connector Type	TK04FGY

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

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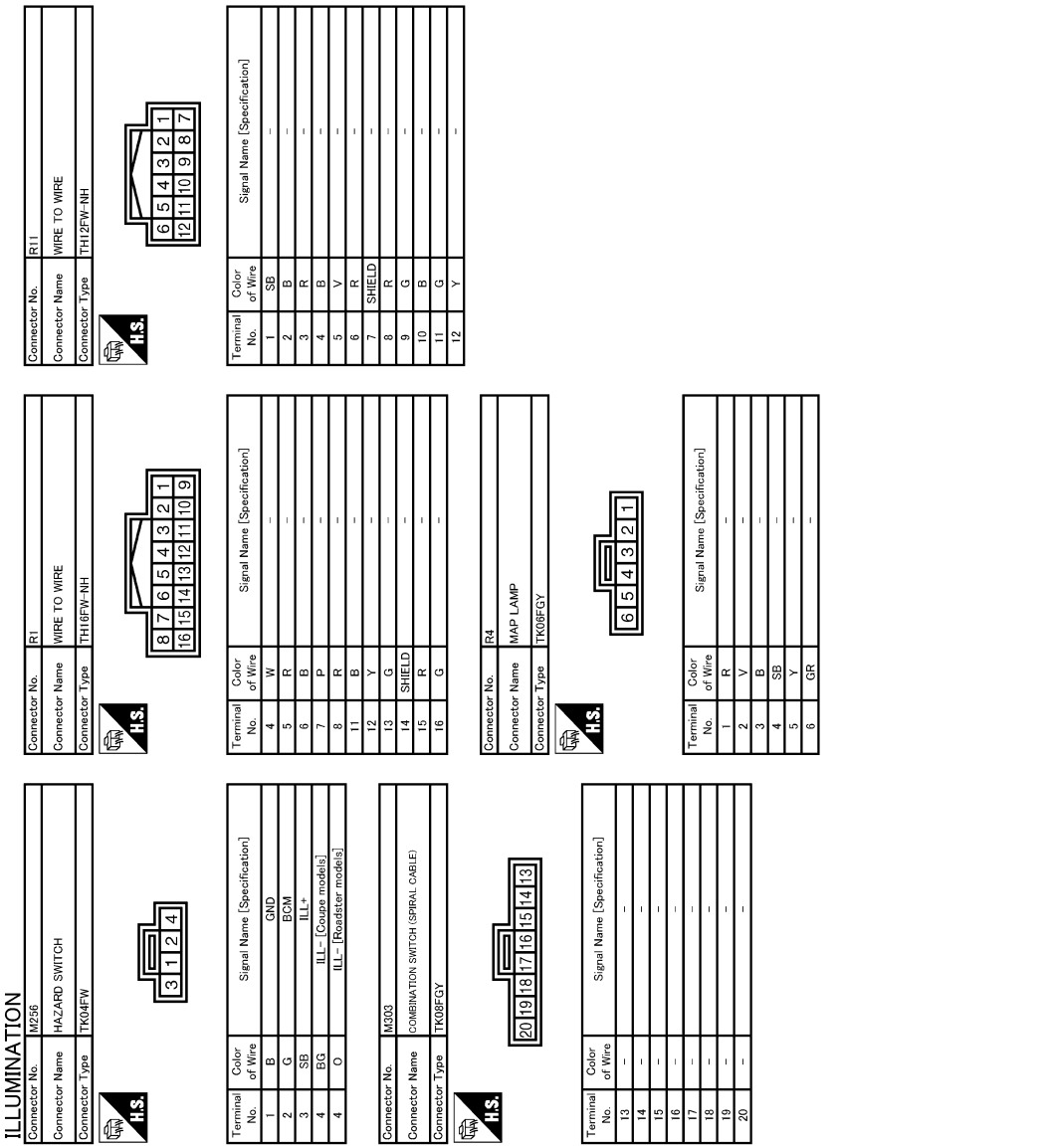

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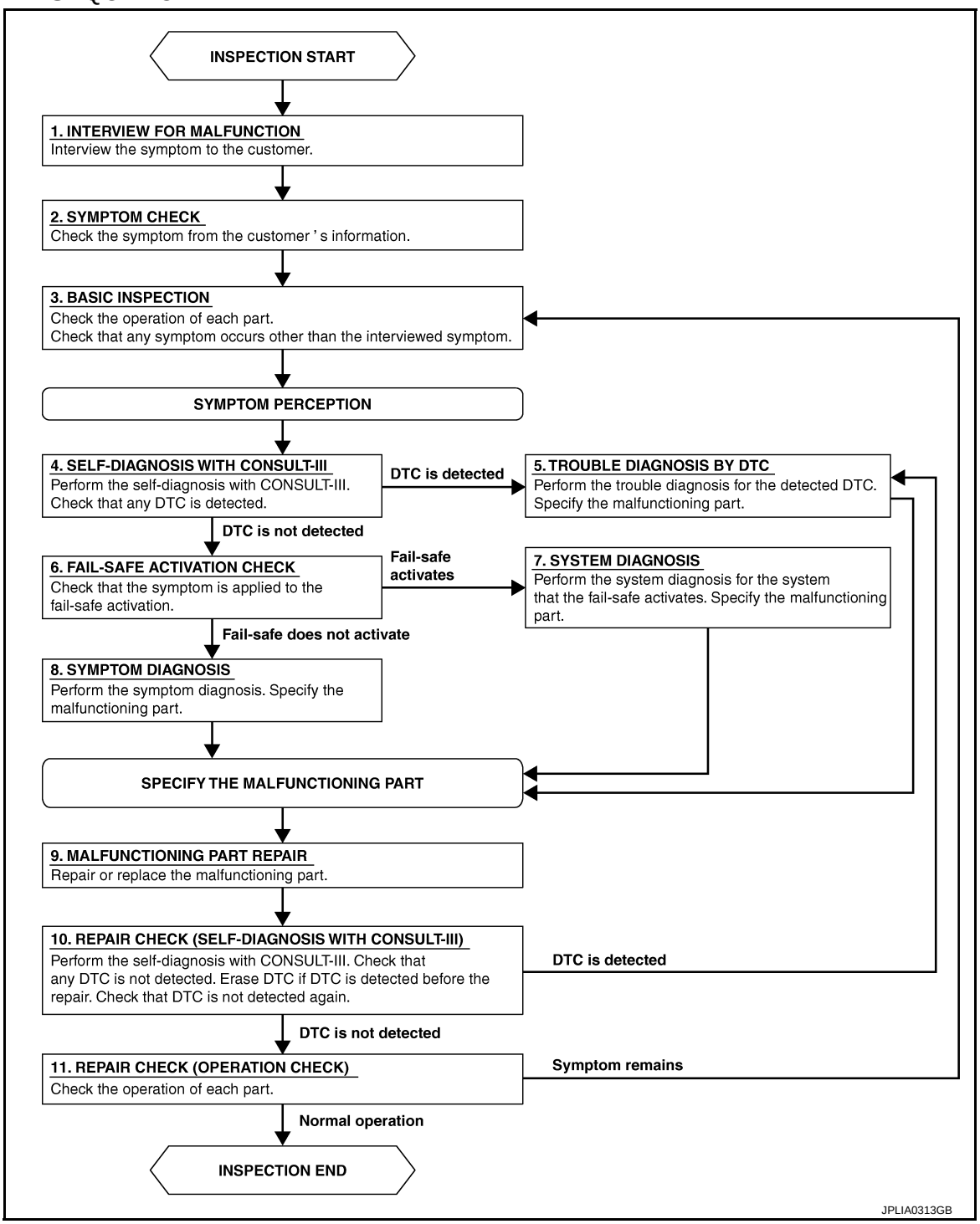
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000005476817

OVERALL SEQUENCE



DETAILED FLOW

1.INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

>> GO TO 2.

2.SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

3.BASIC INSPECTION

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

>> GO TO 4.

4.SELF-DIAGNOSIS WITH CONSULT-III

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

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 6.

5.TROUBLE DIAGNOSIS BY DTC

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

>> GO TO 9.

6.FAIL-SAFE ACTIVATION CHECK

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

Does the fail-safe activate?

YES >> GO TO 7.
NO >> GO TO 8.

7.SYSTEM DIAGNOSIS

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

>> GO TO 9.

8.SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

9.MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

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

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

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 11.

11.REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END
NO >> GO TO 3.

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:0000000005476819

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

Component Function Check

INFOID:0000000005476820

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Trunk room lamp
- Cargo area courtesy light
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-109, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005476821

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III 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		Ground	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

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

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 coutesy 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

Description

INFOID:0000000005476822

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:0000000005476823

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-III 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-111, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005476824

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III 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.

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

Description

INFOID:0000000005476825

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

Component Function Check

INFOID:0000000005476826

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-III 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-113, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005476827

1.CHECK TRUNK ROOM LAMP OUTPUT

CONSULT-III 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.

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

Description

INFOID:0000000005476828

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

Component Function Check

INFOID:0000000005476829

1.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III 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-115, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000005476830

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
• Ignition switch ON • Lighting switch 1ST	ON
• Ignition switch OFF • Lighting switch OFF • Driver door LOCK	OFF

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

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

2.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

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-92, "Exploded View"
NO >> Repair the harness or the connector.

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

CONSULT-III 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.

Terminals			Test item	Voltage (Approx.)
(+)		(–)		
BCM		Ground	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-92, "Exploded View"

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000005476831

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

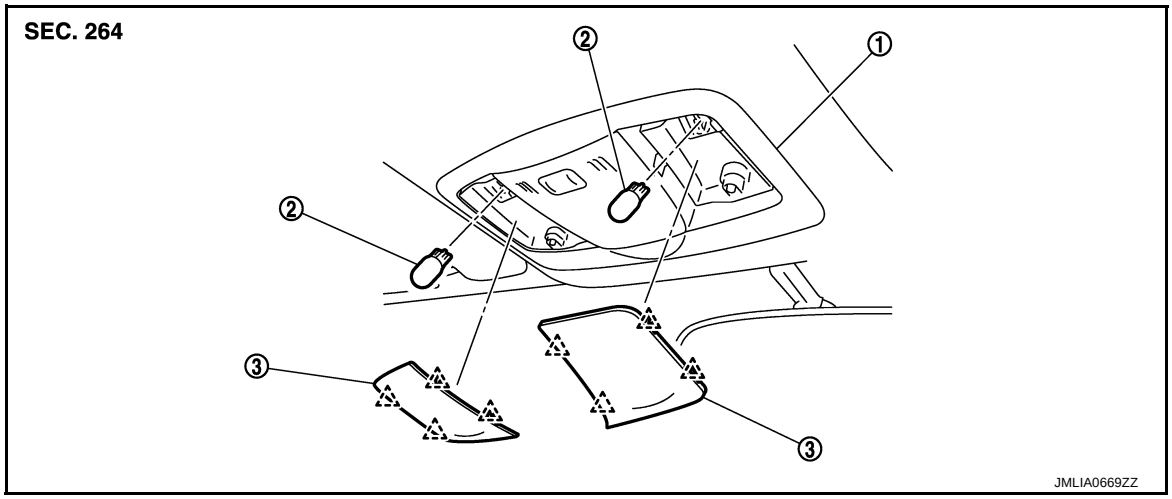
Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. • Map lamp • Cargo area courtesy light • Trunk room lamp • Vanity mirror lamp	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-109.
• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room 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-285.
		Interior room lamp control circuit Refer to INL-111.
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-70.
• Trunk room lamp does not turn ON. (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-298.
		Trunk room lamp circuit Refer to INL-113.
Push-button ignition switch illumination does not illuminate.	• Harness between BCM and push-button ignition switch • BCM	Push-button ignition switch illumination circuit Refer to INL-115.
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-71.

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000005476832



1. Map lamp assembly
2. Bulb
3. Lens

: Pawl

Removal and Installation

INFOID:0000000005476833

Refer to INT-25, "Exploded View" for the map lamp assembly installation/removal.

Replacement

INFOID:0000000005476834

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.**

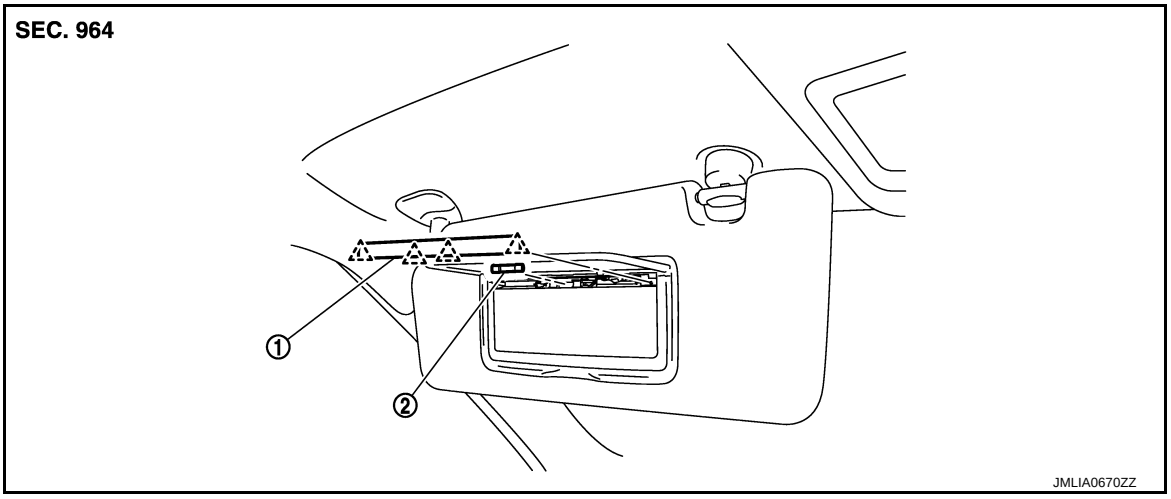
MAP LAMP BULB

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

VANITY MIRROR LAMP

Exploded View

INFOID:0000000005476835



1. Lens
2. Bulb

: Pawl

Replacement

INFOID:0000000005476836

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.**

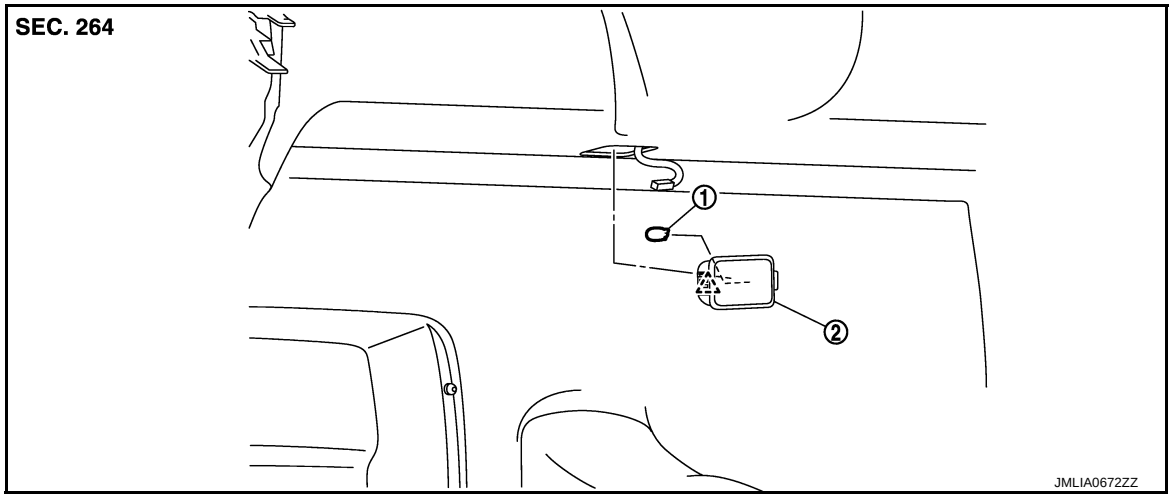
VANITY MIRROR LAMP BULB

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

CARGO AREA COURTESY LIGHT

Exploded View

INFOID:0000000005524218



1. Bulb
2. Cargo area courtesy light

: Pawl

Removal and Installation

INFOID:0000000005524219

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:0000000005524220

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.**

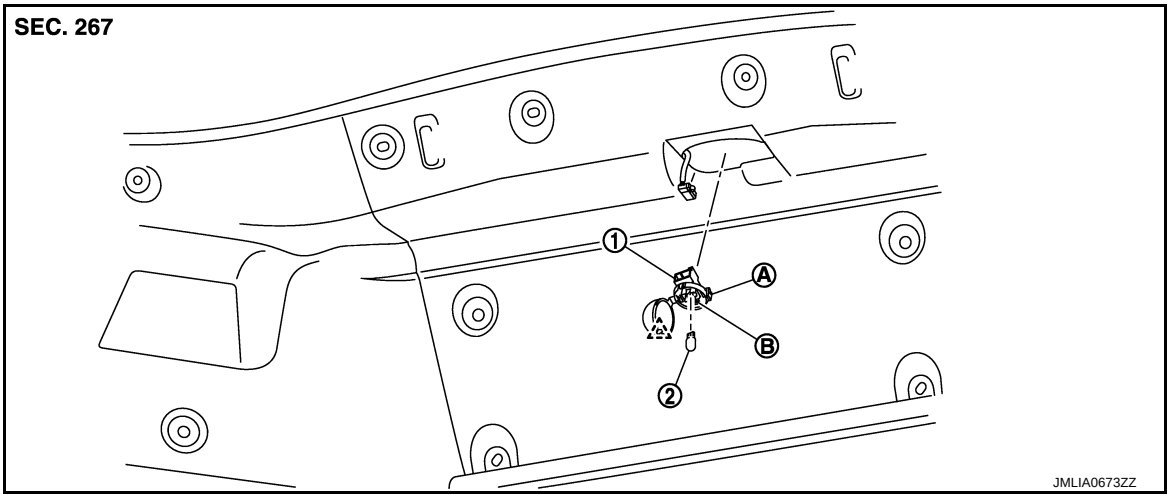
CARGO AREA COURTESY LIGHT BULB

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

TRUNK ROOM LAMP

Exploded View

INFOID:0000000005476837



1. Trunk room lamp
2. Bulb

A : Lens fixing pawl
B : Trunk room lamp fixing pawl
: Pawl

Removal and Installation

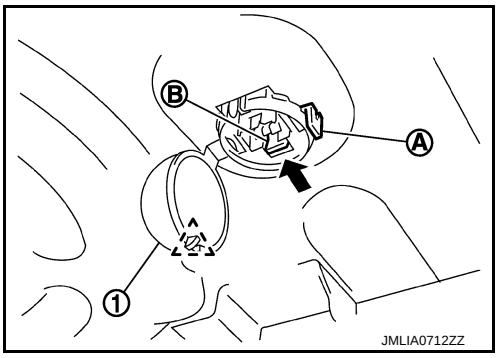
INFOID:0000000005476838

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:0000000005476839

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)

Bulb Specifications

INFOID:0000000005476840

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