

SECTION DEF

DEFOGGER

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BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000005569197

DETAILED FLOW

1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much malfunction information (conditions and environment when the malfunction occurs) as possible when the customer brings the vehicle in.

>> GO TO 2.

2.CHECK DTC

Perform self-diagnosis with CONSULT-III

Are any DTC detected?

YES >> Refer to [DEF-75. "DTC Index"](#).

NO >> GO TO 3.

3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.

Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 4.

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REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

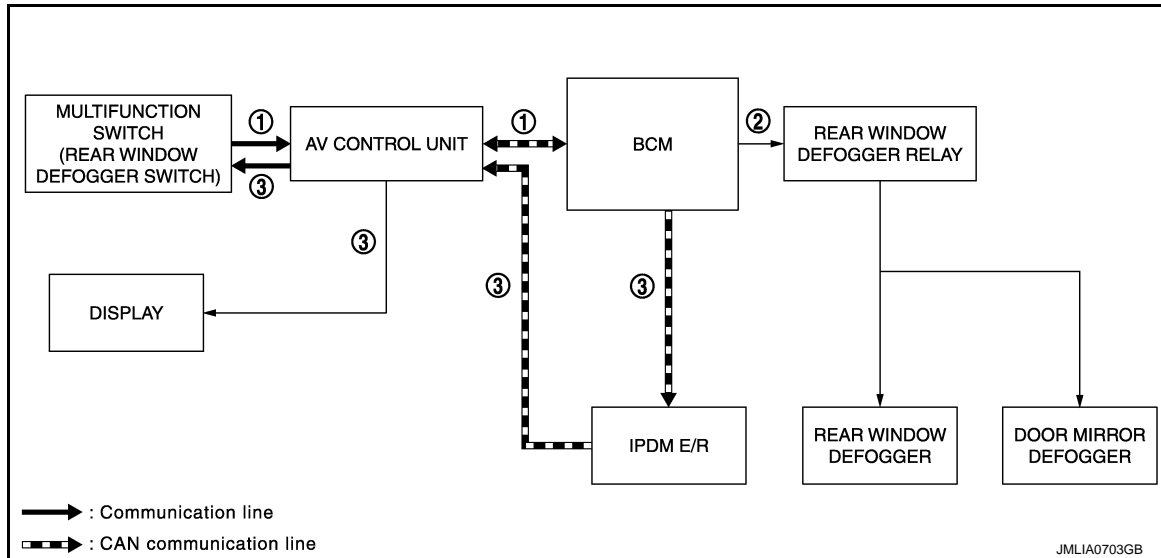
[COUPE]

SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION : System Diagram

INFOID:000000005569198



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITH NAVIGATION : System Description

INFOID:000000005569199

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then multifunction switch (rear window defogger switch) transmits rear window defogger switch signal to AV control unit via AV communication. AV control unit transmits rear window defogger switch signal to BCM via CAN communication.
- BCM turns rear window defogger relay ON and transmits rear window defogger ON signal to IPDM E/R via CAN communication when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger are supplied with power and operate when rear window defogger relay turns ON.
- IPDM E/R transmits rear window defogger ON signal to AV control unit via CAN communication.
- When receiving the signal, AV control unit indicates rear defogger ON on the display. At the same time, AV control unit transmits rear defogger ON signal to multifunction switch (rear window defogger switch) via AV communication and illuminates rear window defogger switch indicator.

TIMER FUNCTION

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same operation also occurs during timer operation, if the ignition switch is turned OFF.

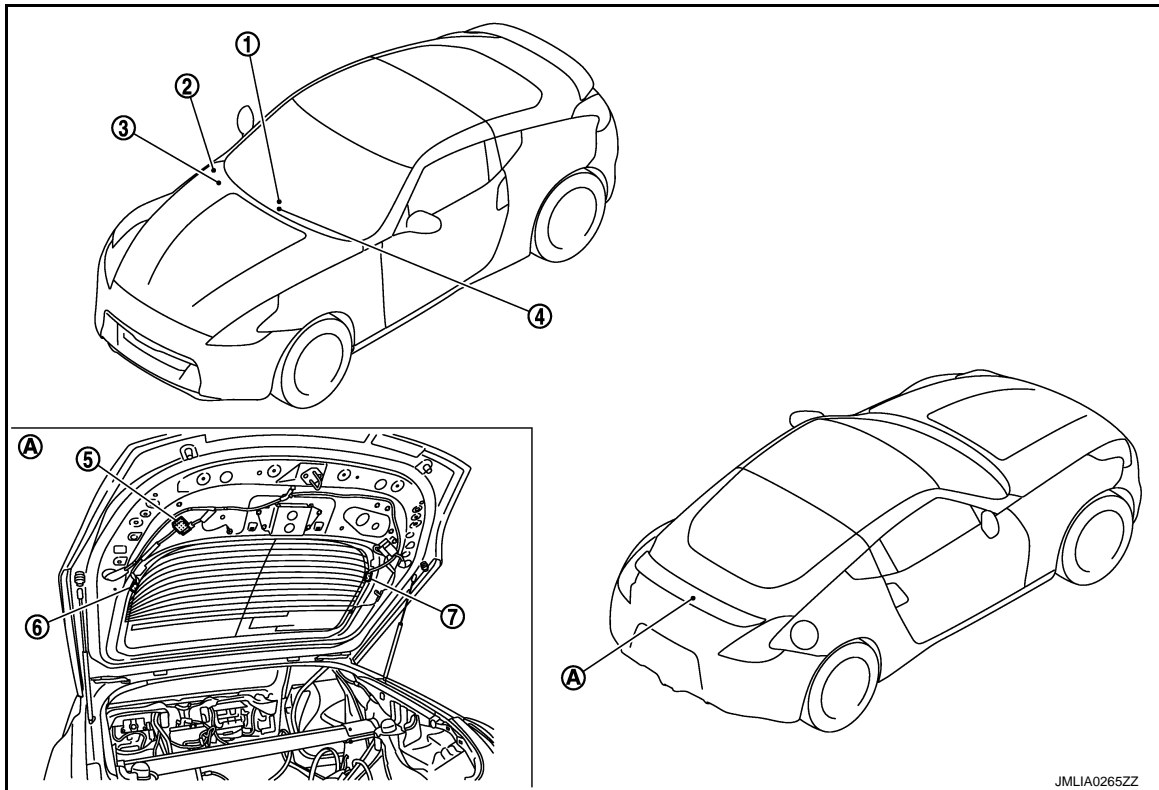
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[COUPE]

WITH NAVIGATION : Component Parts Location

INFOID:000000005569200



1. Multifunction switch (rear window defogger switch)
2. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
3. BCM
Refer to [BCS-9, "Component Parts Location"](#).
4. AV control unit
Refer to [AV-208, "Component Parts Location"](#).
5. Condenser
6. Rear window defogger connector
7. Rear window defogger connector
- A. Behind back door assembly

WITH NAVIGATION : Component Description

INFOID:000000005569201

Multifunction switch (Rear window defogger switch)	<ul style="list-style-type: none"> The rear window defogger switch is installed. Turns the indicator lamp ON when detecting the operation of rear window defogger relay.
AV control unit	Displays the rear window defogger is ON on the display when detecting the operation of rear window defogger relay.
BCM	<ul style="list-style-type: none"> Operates the rear window defogger relay when receiving rear window defogger switch signal. Performs the timer control of rear window defogger relay.
Rear window defogger relay	Operates the rear window defoggers and door mirror defogger with the control signal from BCM.
Rear window defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.
Door mirror defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.
IPDM E/R	Transmits rear window defogger ON signal to AV control unit via CAN communication.

WITHOUT NAVIGATION

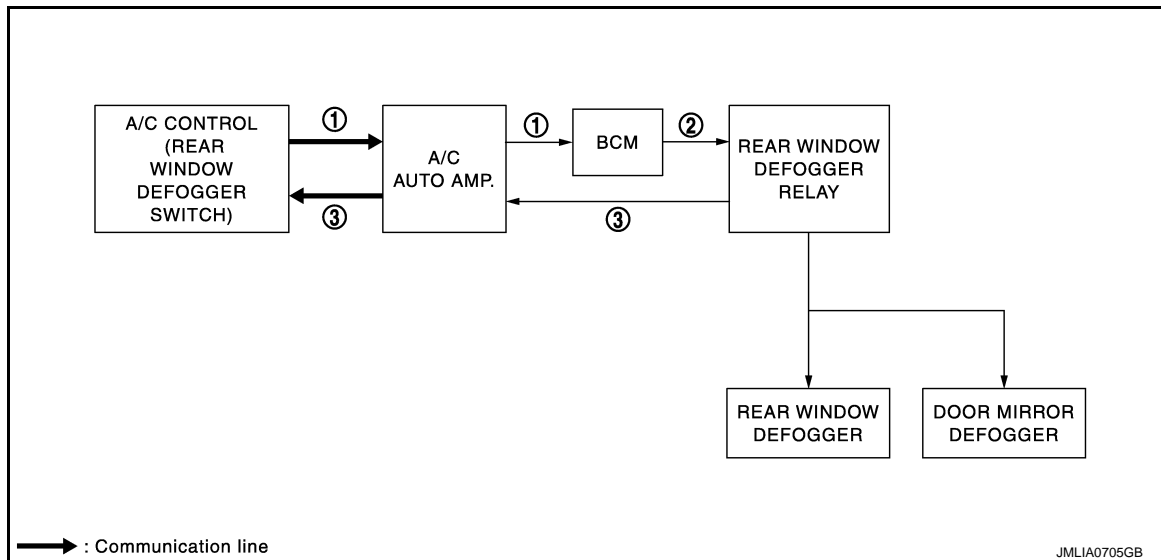
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[COUPE]

WITHOUT NAVIGATION : System Diagram

INFOID:000000005569202



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITHOUT NAVIGATION : System Description

INFOID:000000005569203

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then A/C control (rear window defogger switch) transmits rear window defogger switch signal to A/C auto amp. and BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger (with mirror defogger) are supplied with power and operates when rear window defogger relay turns ON.
- Rear window defogger relay transmits rear window defogger ON signal to A/C auto amp. when rear window defogger operates.
- At the same time, A/C auto amp. transmits rear defogger ON signal to A/C controller (rear window defogger switch) and illuminates rear window defogger switch indicator.

TIMER FUNCTION

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers (with mirror defogger) operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same operation also occurs during timer operation, if the ignition switch is turned OFF.

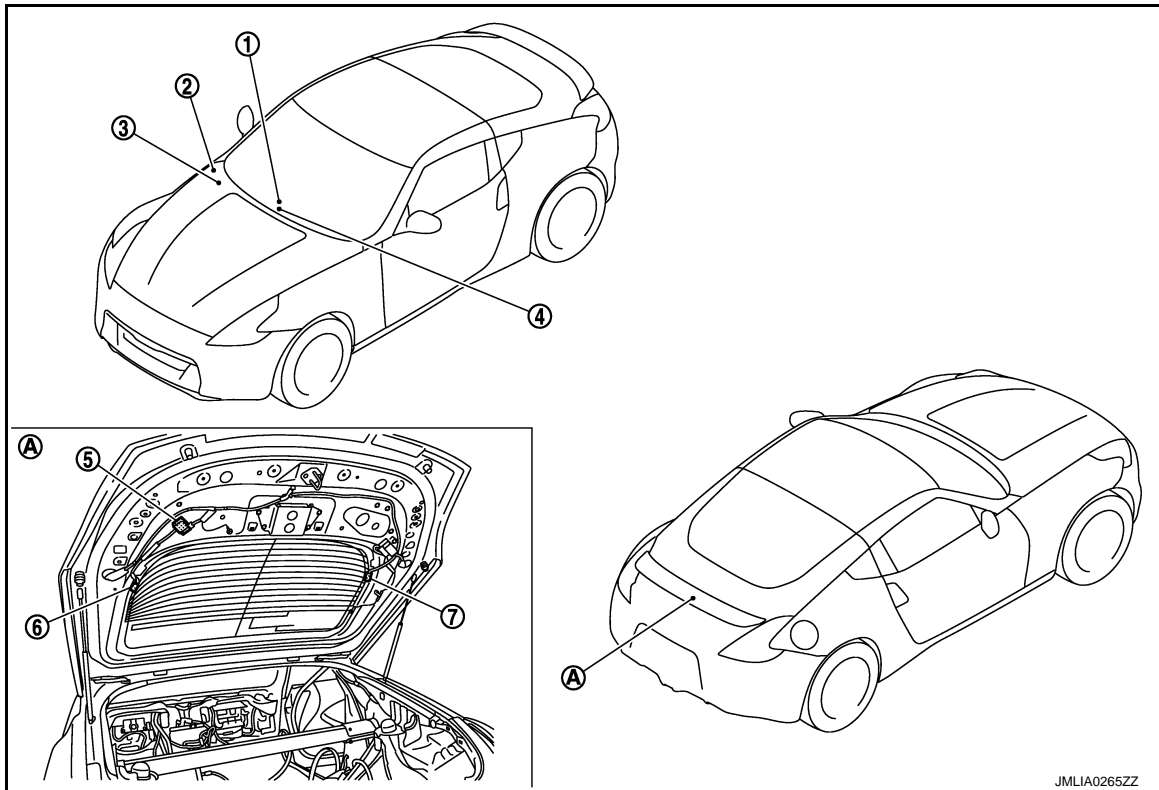
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[COUPE]

WITHOUT NAVIGATION : Component Parts Location

INFOID:000000005569204



1. A/C controller
2. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
3. BCM
Refer to [BCS-9, "Component Parts Location"](#).
4. A/C auto amp.
Refer to [HAC-22, "Component Parts Location"](#).
5. Condenser
6. Rear window defogger connector
7. Rear window defogger connector
- A. Behind back door assembly

WITHOUT NAVIGATION : Component Description

INFOID:000000005569205

A/C control (Rear window defogger switch)	<ul style="list-style-type: none">The rear window defogger switch is installed.Turns the indicator lamp ON when detecting the operation of rear window defogger relay.
A/C auto amp.	Transmit rear window defogger switch signal to BCM via CAN communication.
BCM	<ul style="list-style-type: none">Operates the rear window defogger relay with the operation of rear window defogger switch.Performs the timer control of rear window defogger relay.
Rear window defogger relay	Operates the rear window defogger and door mirror defogger (with mirror defogger) with the control signal from BCM.
Rear window defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.
Door mirror defogger (with mirror defogger)	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

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

INFOID:000000005569275

APPLICATION ITEM

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

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	<ul style="list-style-type: none"> Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
—	AIR CONDITONER*			
<ul style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
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.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		A
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")	B
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)	C
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"	
	ACC>ON		While turning power supply position from "ACC" to "IGN"	D
	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)	E
	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"	F
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"	
	OFF>ACC		While turning power supply position from "OFF" to "ACC"	G
	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	H
	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.)	I
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)	J
	ACC		Power supply position is "ACC" (Ignition switch ACC)	
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)	K
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)	
	CRANKING		Power supply position is "CRANKING" (At engine cranking)	DEF
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 		M

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER : CONSULT-III Function (BCM - REAR DEFOGGER)

INFOID:0000000005569207

Data monitor

Monitor Item	Description
REAR DEF SW	<ul style="list-style-type: none"> • Without navigation: Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch • With navigation: This is displayed even when it is not equipped
PUSH SW	Indicates [ON/OFF] condition of push switch

ACTIVE TEST

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

Test Item	Description
REAR DEFOGGER	This test is able to check rear window defogger operation. Rear window defogger operates when "ON" on CONSULT-III screen is touched

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:000000005569274

1.CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

Signal name	Fuse and fusible link No.
Battery power supply	K
	10

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connectors.
3. Check voltage between BCM harness connector and ground.

Terminals		Voltage (Approx.)
(+)	(-)	
BCM		Ground Battery voltage
Connector	Terminal	
M118	1	
M119	11	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

REAR WINDOW DEFOGGER SWITCH

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

REAR WINDOW DEFOGGER SWITCH WITH NAVIGATION

WITH NAVIGATION : Description

INFOID:000000005569209

- The rear window defogger and door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the multifunction switch illuminates when the rear window defogger and door mirror defogger (with door mirror defogger) are operating.

WITH NAVIGATION : Component Function Check

INFOID:000000005569210

1.CHECK FUNCTION

Check that the indicator lamp of rear window defogger illuminates when rear window defogger switch is ON.

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-14. "WITH NAVIGATION : Diagnosis Procedure"](#).

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000005569211

1.CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate.

Refer to [AV-220. "On Board Diagnosis Function"](#).

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair or replace the malfunctioning parts.

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Description

INFOID:000000005569212

- The rear window defogger is operated by turning the rear window defogger switch ON.
- The indicator lamp in the A/C controller illuminates when the rear window defogger is operating.

WITHOUT NAVIGATION : Component Function Check

INFOID:000000005569213

1.CHECK FUNCTION

⑧ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" or "BCM" using CONSULT-III.
3. Select "REAR DEF SW" in "DATA MONITOR" mode.
4. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
REAR DEF SW	Rear window defogger switch	ON	On
		OFF	Off

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-14. "WITHOUT NAVIGATION : Diagnosis Procedure"](#).

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000005569214

1.CHECK A/C CONTROL (REAR WINDOW DEFOGGER SWITCH)

Check A/C control system.

Refer to [HAC-5. "Work Flow"](#).

Is the inspection result normal?

- YES >> GO TO 2.

REAR WINDOW DEFOGGER SWITCH

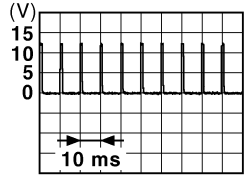
[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace the malfunctioning parts.

2.CHECK BCM OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector.
3. Turn ignition switch ON.
4. Check signal between A/C auto amp. harness connector and ground with oscilloscope.

(+)		(-)	Signal (Reference value)
A/C auto amp.			
Connector	Terminal		
M66	27	Ground	

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to [HAC-86. "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-87. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector.
3. Check continuity between BCM harness connector and A/C auto amp. connector.

BCM		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M123	130	M66	27	Existed

4. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	130		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-92. "Removal and Installation"](#).

NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER RELAY

Description

INFOID:0000000055692.15

Power is supplied to the rear window defogger with BCM control.

Component Function Check

INFOID:0000000055692.16

1.CHECK FUNCTION

 With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger relay power supply circuit function is OK.
NO >> Refer to [DEF-16. "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:0000000055692.17

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.3, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 1

1. Turn ignition switch ON.
2. Check voltage between BCM harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
BCM					
Connector	Terminal				
M123	151	Ground	Rear window de-fogger switch	ON	0
				OFF	Battery voltage

Is the inspection result normal?

- YES >> GO TO 6.
NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 2

1. Turn ignition switch OFF.
2. Disconnect BCM connector and fuse block (J/B).
3. Check continuity between BCM harness connector and fuse block (J/B) harness connector.

BCM		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M123	151	M2	4B	Existed

4. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	151		Not existed

REAR WINDOW DEFOGGER RELAY

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace harness.

4.CHECK REAR WINDOW DEFOGGER RELAY

1. Remove rear window defogger relay,
 2. Check rear window defogger relay.
- Refer to [DEF-17. "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Replace rear window defogger relay.

5.CHECK FUSE BLOCK (J/B)

1. Install the rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Voltage (V) (Approx.)
Fuse block (J/B)			
Connector	Terminal		
M2	4B	Ground	Battery voltage

Is the inspection result normal?

- YES >> GO TO 6.
NO >> Repair or replace fuse block (J/B).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.
Refer to [GI-39. "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000005569218

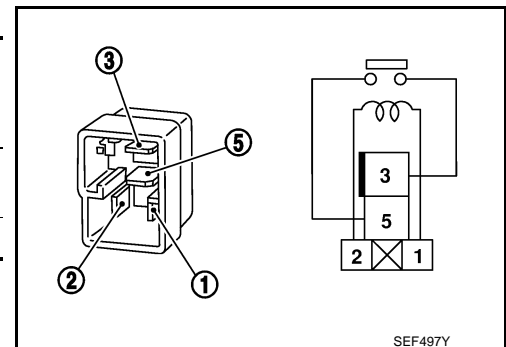
1.CHECK REAR WINDOW DEFOGGER RELAY

1. Turn ignition switch OFF.
2. Remove rear window defogger relay.
3. Check continuity between rear window defogger relay terminals.

Terminal		Condition	Continuity
Rear window defogger relay			
3	5	12 V direct current supply between terminals 1 and 2	Existed
		No current supply	Not existed

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Replace rear window defogger relay.



REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER

Description

INFOID:000000005569219

Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

Component Function Check

INFOID:000000005569220

1.CHECK REAR WINDOW DEFOGGER

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger is OK.
NO >> Refer to [DEF-18, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569221

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 20A fuse [No.14, No.15, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between rear window defogger harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Rear window defogger					
Connector	Terminal				
D201	1	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> GO TO 3.
NO >> GO TO 4.

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear window defogger connector.
3. Check continuity between rear window defogger harness connector and ground.

Rear window defogger		Ground	Continuity
Connector	Terminal		
D107	2		Existed

Is the inspection result normal?

- YES >> GO TO 7.
NO >> Repair or replace harness.

4.CHECK REAR WINDOW DEFOGGER CIRCUIT 1

REAR WINDOW DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect condenser connector and rear window defogger connector.
3. Check continuity between condenser (condenser side) connector and rear window defogger harness connector.

Condenser		Rear window defogger		Continuity
Connector	Terminal	Connector	Terminal	
D106	1	D201	1	Existed

4. Check continuity between condenser (condenser side) connector and ground.

Condenser		Ground	Continuity
Connector	Terminal		
D106	1		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace condenser. Refer to [DEF-88. "Removal and Installation"](#)

5.CHECK REAR WINDOW DEFOGGER CIRCUIT 2

1. Disconnect fuse block (J/B) connector.
2. Check continuity between fuse block (J/B) harness connector and condenser harness connector.

Fuse block (J/B)		Condenser		Continuity
Connector	Terminal	Connector	Terminal	
B6	10G	D106	1	Existed
	11G			

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
B6	10G		Not existed
	11G		

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+) Fuse block (J/B)		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
B6	10G	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0
	11G			ON	Battery voltage
				OFF	0

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace fuse block (J/B).

7.CHECK FILAMENT

Check filament.

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REAR WINDOW DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

Refer to [DEF-20, "Component Inspection"](#)

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace filament. Refer to [DEF-86, "Inspection and Repair"](#).

8.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END

Component Inspection

INFOID:000000005569222

1.CHECK FILAMENT

Check the filament for damage.

Refer to [DEF-86, "Inspection and Repair"](#)

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair filament.

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER ON SIGNAL

Description

INFOID:000000005569223

Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

Component Function Check

INFOID:000000005569224

1.CHECK FUNCTION

Check that the indicator lamps of rear window defogger switch are illuminated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger ON signal function is OK.
NO >> Refer to [DEF-21. "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000005569225

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP ON SIGNAL

1. Turn ignition switch ON.
2. Check voltage between A/C auto amp. harness connector ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
A/C auto amp.					
Connector	Terminal				
M66	26	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> Replace A/C auto amp. Refer to [HAC-86. "BASE AUDIO : Removal and Installation"](#) (base audio) or [HAC-87. "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).
NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector and A/C auto amp. connector.
3. Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

Fuse block (J/B)		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M3	9C	M66	26	Existed

4. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	9C		Not existed

Is the inspection result normal?

- YES >> Repair or replace fuse block (J/B).

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

NO >> Repair or replace harness.

DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DOOR MIRROR DEFOGGER

Description

INFOID:000000005569226

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

INFOID:000000005569227

1.CHECK DOOR MIRROR DEFOGGER

ⓘ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that both side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
NO >> Refer to [DEF-23, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569228

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK POWER SUPPLY CIRCUIT

1. Disconnect fuse block (J/B) connector.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Fuse block (J/B)					
Connector	Terminal				
M3	9C	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0
	10C		Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace fuse block (J/B).

3.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END

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DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DRIVER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000005569229

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

INFOID:000000005569230

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT-III.
2. Touch "ON".
3. Check that the driver side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Driver side door mirror defogger is OK.
NO >> Refer to [DEF-24, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569231

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (driver side) harness connector and ground.

(+)Door mirror (driver side)		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
D3	4	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

2.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

Fuse block (J/B)		Door mirror (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	10C	D3	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	10C		Not existed

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace harness.

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (driver side) harness connector and ground.

DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

Door mirror (driver side)		Ground	Continuity
Connector	Terminal		
D3	8		Existed

Is the inspection result normal?

YES >> Replace door mirror glass (driver side). Refer to [GW-20, "Removal and Installation"](#).

NO >> Repair or replace harness.

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END

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PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

PASSENGER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000005569232

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

INFOID:000000005569233

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT-III.
2. Touch "ON".
3. Check that the passenger side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Passenger side door mirror defogger is OK.
NO >> Refer to [DEF-26, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569234

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (passenger side) harness connector and ground.

(+)Door mirror (passenger side)		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
D33	4	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

2.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (passenger side) harness connector.

Fuse block (J/B)		Door mirror (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	9C	D33	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	9C		Not existed

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace harness.

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (passenger side) harness connector and ground.

PASSENGER SIDE DOOR MIRROR DEFOGGER

[COUPE]

< DTC/CIRCUIT DIAGNOSIS >

Door mirror (passenger side)		Ground	Continuity
Connector	Terminal		
D33	8		Existed

Is the inspection result normal?

- YES >> Replace door mirror glass (passenger side). Refer to [GW-20, "Removal and Installation"](#).
- NO >> Repair or replace harness.

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.
Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END

DEF

[COUPE]

REAR WINDOW DEFOGGER SYSTEM

Wiring Diagram - DEFOGGER (WITH NAVI) -

DEFOGGER (WITH NAVI)

BATTERY

IGNITION SWITCH ON or START

REAR WINDOW DEFOGGER RELAY

FUSE BLOCK (J/B)

BCM (BODY CONTROL MODULE)

SOFT TOP CONTROL UNIT

REAR WINDOW DEFOGGER

CONDENSER

REAR WINDOW DEFOGGER

DOOR MIRROR ASSEMBLY

DOOR MIRROR SIDE (DOOR MIRROR DEFOGGER)

AV CONTROL UNIT

MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

CP : Coupe models
RS : Roadster models

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

2009/07/10

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

2009/07/10

JCLWM4123GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



5G	4G	3G	2G	1G
12G	1G	1G	9G	8G
7G	6G			

Terminal No.	Color of Wire	Signal Name [Specification]
5G	LG	W
10G	P	W
11G	W	W
12G	Y	W

Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC



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

Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



57	56	55	54	53	52	51
56	63	64	63	62	61	60
59	58					

Terminal No.	Color of Wire	Signal Name [Specification]
52	P	G
53	R	B
55	V	B
56	B	W
57	B	W
58	Y	W
59	B	W
60	LG	W
61	L	W
62	L	W
63	L	W
64	B	W
65	Y	W
66	Y	W

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



51	52	53	54	55	56	57
58	59	60	61	62	63	64
65	66					

Terminal No.	Color of Wire	Signal Name [Specification]
52	R	W
53	R	W
55	V	W
56	B	W
57	B	W
58	SB	W
59	DG	W
60	DG	W
61	R	W
62	R	W
63	R	W
64	B	W
65	R	W
66	R	W

Connector No.	B304
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS12FW-CS



48	49	50	51	52
41	42	43	44	45
46	47			

Terminal No.	Color of Wire	Signal Name [Specification]
41	DG	TRUNK OPENER ACTUATOR
48	R	REAR WINDOW DEF IN 2
49	R	REAR WINDOW DEF IN 1

Connector No.	B307
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS16FW-CS



103	103	107	108	103	110	111
96	97	98	99	100	101	102
103	104					

Terminal No.	Color of Wire	Signal Name [Specification]
96	W	SWITCHING VALVE 4
97	LG	SWITCHING VALVE 3
98	L	SWITCHING VALVE 2
99	O	SWITCHING VALVE 1
100	BR	HYDRAULIC PUMP RELAY 2 +
101	SB	HYDRAULIC PUMP RELAY 1 +
102	P	SWITCHING VALVE 5
103	B	HYDRAULIC UNIT GND
104	R	REAR WINDOW DEF OUT 2
111	R	REAR WINDOW DEF OUT 1

Connector No.	B311
Connector Name	REAR WINDOW DEFOGGER
Connector Type	



1

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

Connector No.	B318
Connector Name	REAR WINDOW DEFOGGER
Connector Type	



2

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

JCLWM4124GB

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

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

HS

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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48	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
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55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	-
8	Y	-
9	G	-
10	BG	- [Coupe models]
11	O	- [Roadster models]
12	P	- [With BOSE system]
13	V	- [Without BOSE system]
14	L	-
15	B	-
16	SB	- [Coupe models]
17	Y	- [Roadster models]
18	W	-
19	G	-
20	R	-
21	L	-
22	B	-
23	SB	-
24	W	-
25	LG	-
26	R	-
27	V	-
28	BG	- [Coupe models]
29	O	- [Roadster models]
30	GR	-
31	G	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH40MW-NH

1	2	3	4	8
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H.S.

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

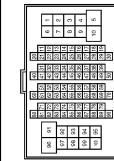
DEFOGGER (WITH NAVI)

Connector No.	E6
Connector Name	NAVIGATOR INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08PW-NH



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	-

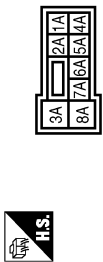
Connector No.	E106
Connector Name	WIRE TO WIPE
Connector Type	TH08PW-CS16-TM4



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	-

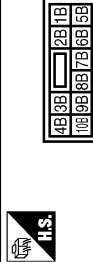
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roadster models]
31	L	-
32	Y	-
33	P	-
34	L	-
35	BR	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	R	- [Roadster models with M/T]
44	GR	- [Except for roadster models with M/T]
45	BG	-
45	O	- [Coupe models]
45	W	- [Roadster models]
46	W	-
47	P	-
58	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	-
100	BG	- [Coupe models]
100	O	- [Roadster models]

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08PW-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.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	Y	-
2B	P	-
3B	G	-
4B	O	-
5B	Y	-
6B	R	-
7B	SB	-
8B	R	-
9B	SB	-
10B	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
8C	R	- [Coupe models]
8C	O	- [Roadster models]
10C	L	-
11C	LG	-
12C	O	-

JCLWM4126GB

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITH NAVI)

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS15



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

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]
50	W	- [Except for roadster models with M/T]
51	R	-
52	L	-
53	W	-
54	G	-
55	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS18-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	V	ACC
4	R	ILL

1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	L	- [Coupe models]
11	GR	- [Roadster models]
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	Y	- [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	-
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	GR	-
97	GR	-
98	O	-
99	W	-
100	R	-

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



1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

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.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



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

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]
8	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.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



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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)

JCLWM4127GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

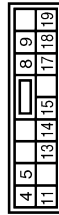
DEFOGGER (WITH NAVI)

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]
8	V	SUPER LOCK OUTPUT [Roadster models]
9	G	ALL DOOR FUEL LID LOCK OUTPUT
11	BR	DRIVER DOOR FUEL LID UNLOCK OUTPUT - 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]
79	R	ROOM ANT 1 - [With M/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 COM1 [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER FRONT COM1 [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

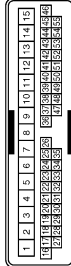
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



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	POWER WINDOW SW COMM [Roadster models]
133	G	POWER WINDOW SW COMM [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	-

JCLWM4128GB

[COUPE]

Wiring Diagram - DEFOGGER (WITHOUT NAVI) -

[illegible]

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

2009/07/10

JCLWM4117GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



5G	4G	3G	2G	1G
12G	1G	1G	9G	8G
7G	6G			

Terminal No.	Color of Wire	Signal Name [Specification]
5G	LG	W
10G	P	W
11G	W	W
12G	Y	W

Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC



1	2
3	4

Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	B
4	B	W

Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



57	56	55	54	53	52	51
86	85	84	83	82	81	80
59	58					

Terminal No.	Color of Wire	Signal Name [Specification]
52	P	G
53	R	B
54	B	W
55	V	B
56	B	W
57	B	W
58	Y	W
59	B	W
60	LG	W
61	L	W
62	L	W
63	L	W
64	B	W
65	Y	W
66	Y	W

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



51	52	53	54	55	56	57
58	59	60	61	62	63	64
65	66					

Terminal No.	Color of Wire	Signal Name [Specification]
52	R	W
53	R	W
54	V	W
55	B	W
56	B	W
57	B	W
58	SB	W
59	DG	W
60	DG	W
61	R	W
62	R	W
63	R	W
64	B	W
65	R	W
66	R	W

Connector No.	B304
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS12FW-CS



48	49	50	51	52
41	42	43	44	45
46	47			

Terminal No.	Color of Wire	Signal Name [Specification]
41	DG	TRUNK OPENER ACTUATOR
48	R	REAR WINDOW DEF IN 2
49	R	REAR WINDOW DEF IN 1

Connector No.	B307
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS16FW-CS



103	103	107	108	103	110	111
96	97	98	99	100	101	102
103	104					

Terminal No.	Color of Wire	Signal Name [Specification]
96	W	SWITCHING VALVE 4
97	LG	SWITCHING VALVE 3
98	L	SWITCHING VALVE 2
99	O	SWITCHING VALVE 1
100	BR	HYDRAULIC PUMP RELAY 2 +
101	SB	HYDRAULIC PUMP RELAY 1 +
102	P	SWITCHING VALVE 5
103	B	HYDRAULIC UNIT GND
104	R	REAR WINDOW DEF OUT 2
111	R	REAR WINDOW DEF OUT 1

Connector No.	B311
Connector Name	REAR WINDOW DEFOGGER
Connector Type	



1

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

Connector No.	B318
Connector Name	REAR WINDOW DEFOGGER
Connector Type	



2

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

JCLWM4118GB

A
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F
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H
I
J
K
DEF
M
N
O
P

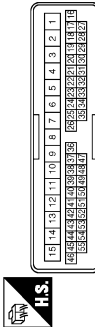
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

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



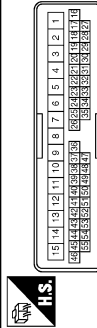
Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	-
8	Y	-
9	G	-
10	BG	- [Coupe models]
11	P	- [Roadster models]
12	V	- [With BOSE system]
13	L	- [Without BOSE system]
14	SB	-
15	W	-
16	Y	-
17	G	-
18	R	-
19	L	-
20	B	-
21	SB	-
22	W	-
23	LG	-
24	R	-
25	V	-
26	BG	-
27	O	-
28	GR	-
29	G	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH40MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	L	-
3	Y	-
4	L	-
5	L	-
6	L	-
7	L	-
8	B	-

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]
13	LG	- [Without BOSE system]
14	V	- [Coupe models without BOSE system]
15	L	- [Except for coupe models without BOSE system]
16	B	-
17	W	-
18	P	-
19	L	-
20	L	-
21	L	-
22	Y	-
23	Y	-
24	G	-
25	BG	-
26	O	-
27	GR	-

Connector No.	D106
Connector Name	CONDENSER
Connector Type	MD1FW-LC



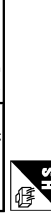
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	D107
Connector Name	REAR WINDOW DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	D201
Connector Name	REAR WINDOW DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-

JCLWM4119GB

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

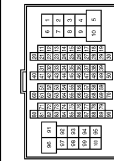
DEFOGGER (WITHOUT NAVI)

Connector No.	E6
Connector Name	REAR LAMP INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08PW-NH



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	-

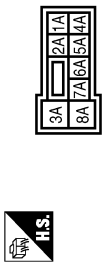
Connector No.	E106
Connector Name	WIRE TO WIPE
Connector Type	TH08PW-CS16-TM4



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	-

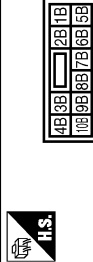
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roadster models]
31	L	-
32	Y	-
33	P	-
34	L	-
35	BR	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	R	-
44	GR	- [Roadster models with M/T]
45	BG	- [Except for roadster models with M/T]
45	O	- [Coupe models]
45	W	- [Roadster models]
46	W	-
47	P	-
58	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	-
100	BG	- [Coupe models]
100	O	- [Roadster models]

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08PW-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.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10PW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	Y	-
2B	P	-
3B	G	-
4B	O	-
5B	Y	-
6B	R	-
8B	SB	-
9B	-	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
8C	R	-
9C	O	- [Coupe models]
10C	L	- [Roadster models]
11C	LG	-
12C	O	-

JCLWM4120GB

A
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DEF
M
N
O
P

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS15



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

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-CS18-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

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	-

1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	- [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	Y	- [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.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

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.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB46FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX (AMP/CONT)

7	P	RX (CONT/AMP)
10	BR	LAN SIGNAL
11	Y	EACH DOOR MOTOR POWER SUPPLY
15	O	SUNLOAD SENSOR SIGNAL
16	R	INTAKE SENSOR SIGNAL
17	L	ACC POWER SUPPLY
19	B	GROUND
20	G	IGNITION POWER SUPPLY
24	O	ECU SIGNAL
26	R	REAR WINDOW DEFOGGER FEEDBACK SIGNAL
27	L	REAR WINDOW DEFOGGER ON SIGNAL
32	P	BLOWER MOTOR CONTROL SIGNAL
34	G	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
35	V	AMBIENT SENSOR SIGNAL
36	LG	IN-VEHICLE SENSOR SIGNAL
37	GR	SENSOR GROUND
39	B	GROUND
40	Y	BATTERY POWER SUPPLY

Connector No.	M87
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



1	2	3	4	5
6				

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

DEFOGGER (WITHOUT NAVI)

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



1	2
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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



4	5	8	9
11	13	14	15
17	18	19	

Terminal No.	Color of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	SUPER LOCK OUTPUT [Coupe models]
8	V	SUPER LOCK OUTPUT [Roadster models]
9	G	ALL DOOR FUEL LID LOCK OUTPUT
11	BR	DRIVER DOOR FUEL LID UNLOCK OUTPUT - 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



91	90	89	88	87				83	82	81	80	79	78	77	76	75	74	73	72	
111	110	109	108	107	106	105		103	102	101	100	99	98	97	96	95			93	92

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]
79	R	ROOM ANT 1 - [With M/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 COM1 [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER FRONT COM1 [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

150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201</
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000005569269

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT	Off
	Front wiper switch INT	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
	Lighting switch AUTO	On
FR FOG SW	NOTE: The item is indicated, but not monitored.	Off
RR FOG SW	Rear fog lamp switch OFF	Off
	Rear fog lamp switch ON	On
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On
DOOR SW-RR	NOTE: The item is indicated, but not monitored.	Off

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Monitor Item	Condition	Value/Status
DOOR SW-RL	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-BK	<ul style="list-style-type: none"> Back door closed (Coupe models) Trunk lid closed (Roadster models) 	Off
	<ul style="list-style-type: none"> Back door opened (Coupe models) Trunk lid opened (Roadster models) 	On
CDL LOCK SW	Other than door lock and unlock switch LOCK	Off
	Door lock and unlock switch LOCK	On
CDL UNLOCK SW	Other than door lock and unlock switch UNLOCK	Off
	Door lock and unlock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW NOTE: At models with NAVI this item is not monitored.	Rear window defogger switch OFF	Off
	Rear window defogger switch ON	On
H/L WASH SW	NOTE: The item is indicated, but not monitored.	Off
TR CANCEL SW	Trunk lid opener cancel switch OFF	Off
	Trunk lid opener cancel switch ON	On
TR/BD OPEN SW	<ul style="list-style-type: none"> Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models) 	Off
	<ul style="list-style-type: none"> While the back door opener switch is turned ON (Coupe models) While the trunk lid opener switch is turned ON (Roadster models) 	On
TRNK/HAT MNTR	NOTE: The item is indicated, but not monitored.	Off
RKE-LOCK	LOCK button of the Intelligent Key is not pressed	Off
	LOCK button of the Intelligent Key is pressed	On
RKE-UNLOCK	UNLOCK button of the Intelligent Key is not pressed	Off
	UNLOCK button of the Intelligent Key is pressed	On
RKE-TR/BD NOTE: At Coupe models this item is not monitored.	TRUNK OPEN button of the Intelligent Key is not pressed	Off
	TRUNK OPEN of the Intelligent Key is pressed	On
RKE-PANIC	PANIC button of the Intelligent Key is not pressed	Off
	PANIC button of the Intelligent Key is pressed	On
RKE-P/W OPEN	UNLOCK button of the Intelligent Key is not pressed	Off
	UNLOCK button of the Intelligent Key is pressed and held	On
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off
	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Monitor Item	Condition	Value/Status
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V
	Dark outside of the vehicle	Close to 0 V
REQ SW -DR	Driver door request switch is not pressed	Off
	Driver door request switch is pressed	On
REQ SW -AS	Passenger door request switch is not pressed	Off
	Passenger door request switch is pressed	On
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off
REQ SW -BD/TR	<ul style="list-style-type: none"> Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models) 	Off
	<ul style="list-style-type: none"> Back door request switch is pressed (Coupe models) Trunk lid door request switch is pressed (Roadster models) 	On
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off
	Push-button ignition switch (push switch) is pressed	On
IGN RLY2 -F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off
CLUCH SW NOTE: At A/T models this item is not monitored.	The clutch pedal is not depressed	Off
	The clutch pedal is depressed	On
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
BRAKE SW 2	The brake pedal is not depressed	Off
	The brake pedal is depressed	On
DETE/CANCL SW NOTE: At M/T models with SynchroRev Match mode this item is not monitored.	<ul style="list-style-type: none"> Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode) 	Off
	<ul style="list-style-type: none"> Selector lever in any position other than P (A/T models) The clutch pedal is not depressed (M/T models without SynchroRev Match mode) 	On
SFT PN/N SW NOTE: At roadster M/T models and coupe M/T models without SynchroRev Match mode this item is not monitored.	<ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) Control lever in any position other than neutral position (Coupe M/T models with SynchroRev Match mode) 	Off
	<ul style="list-style-type: none"> Selector lever in P or N position (A/T models) Control lever in neutral position (Coupe M/T models with SynchroRev Match mode) 	On
S/L -LOCK	Steering is unlocked	Off
	Steering is locked	On
S/L -UNLOCK	Steering is locked	Off
	Steering is unlocked	On
S/L RELAY-F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
UNLK SEN -DR	Driver door is unlocked	Off
	Driver door is locked	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Monitor Item	Condition	Value/Status
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off
	Push-button ignition switch (push-switch) is pressed	On
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
DETE SW -IPDM	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT PN -IPDM	<ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) 	Off
	<ul style="list-style-type: none"> Selector lever in P or N position (A/T models) The clutch pedal is depressed (M/T models) 	On
SFT P -MET	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
	Selector lever in N position	On
ENGINE STATE	Engine stopped	Stop
	While the engine stalls	Stall
	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	Steering is unlocked	Off
	Steering is locked	On
S/L UNLK-IPDM	Steering is locked	Off
	Steering is unlocked	On
S/L RELAY-REQ	Steering lock system is not the LOCK condition and the changing condition from LOCK to UNLOCK	Off
	Steering lock system are not the LOCK condition or the changing condition from LOCK to UNLOCK	On
VEH SPEED 1	While driving	Equivalent to speedometer reading
VEH SPEED 2	While driving	Equivalent to speedometer reading
DOOR STAT-DR	Driver door is locked	LOCK
	Wait with selective UNLOCK operation (60 seconds)	READY
	Driver door is unlocked	UNLOCK
DOOR STAT-AS	Passenger door is locked	LOCK
	Wait with selective UNLOCK operation (60 seconds)	READY
	Passenger door is unlocked	UNLOCK
ID OK FLAG	Steering is locked	Reset
	Steering is unlocked	Set
PRMT ENG STRT	The engine start is prohibited	Reset
	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
KEY SW -SLOT	The Intelligent Key is not inserted into key slot	Off
	The Intelligent Key is inserted into key slot	On
RKE OPE COUN1	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Monitor Item	Condition	Value/Status
RKE OPE COUN2	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key
CONFIRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by any key ID registered to BCM.	Done
CONFIRM ID4	The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the fourth key ID registered to BCM.	Done
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
	The ID of fourth Intelligent Key is registered to BCM	Done
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet
	The ID of third Intelligent Key is registered to BCM	Done
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet
	The ID of second Intelligent Key is registered to BCM	Done
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet
	The ID of first Intelligent Key is registered to BCM	Done
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire
ID REGST FL1	ID of front LH tire transmitter is registered	Done
	ID of front LH tire transmitter is not registered	Yet
ID REGST FR1	ID of front RH tire transmitter is registered	Done
	ID of front RH tire transmitter is not registered	Yet
ID REGST RR1	ID of rear RH tire transmitter is registered	Done
	ID of rear RH tire transmitter is not registered	Yet
ID REGST RL1	ID of rear LH tire transmitter is registered	Done
	ID of rear LH tire transmitter is not registered	Yet
WARNING LAMP	Tire pressure indicator OFF	Off
	Tire pressure indicator ON	On

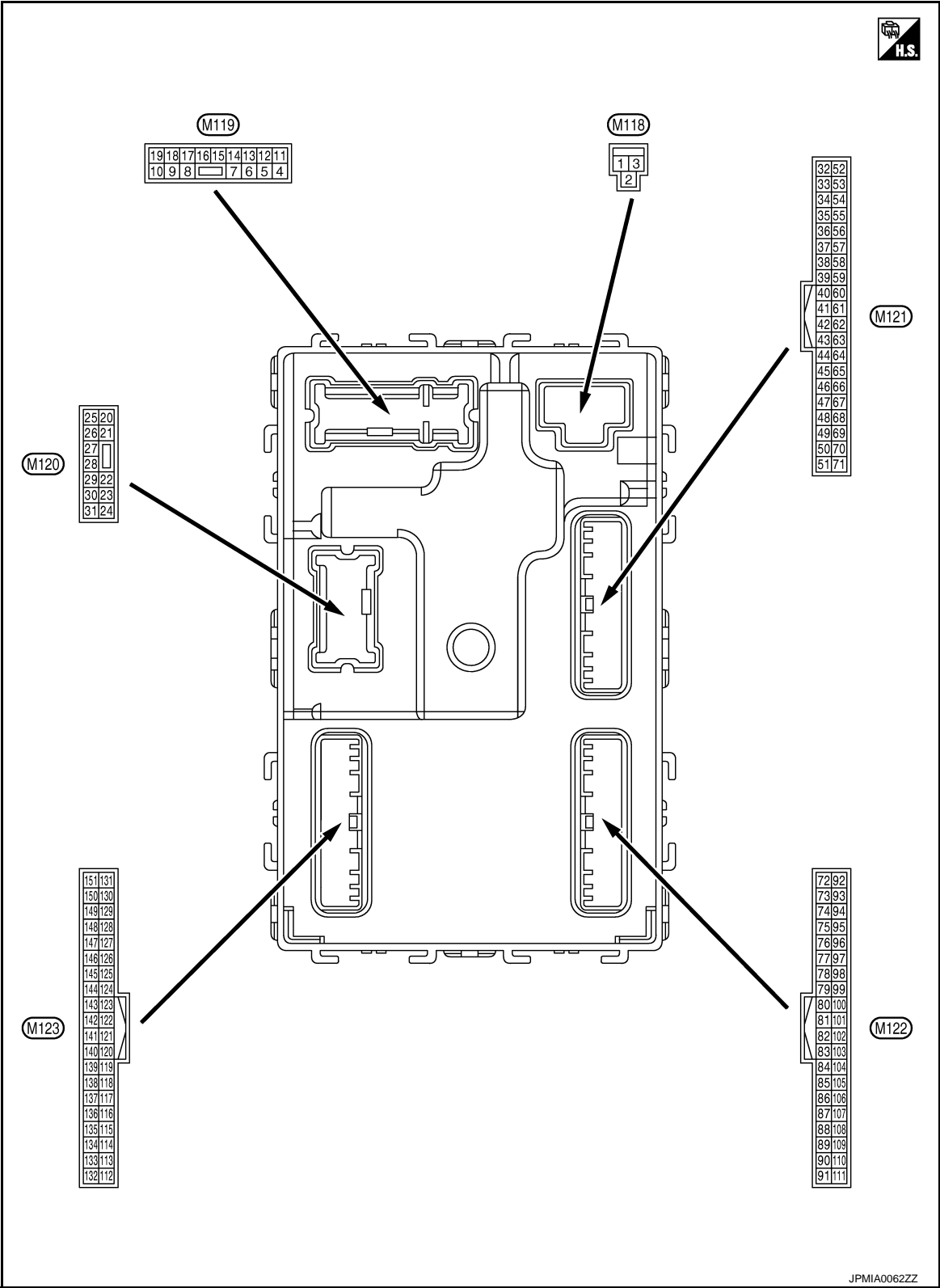
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Monitor Item	Condition	Value/Status
BUZZER	Tire pressure warning alarm is not sounding	Off
	Tire pressure warning alarm is sounding	On

TERMINAL LAYOUT

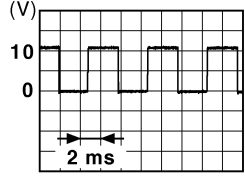


PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

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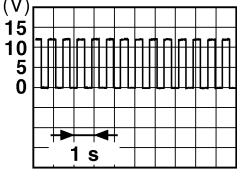
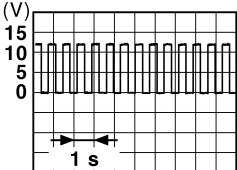
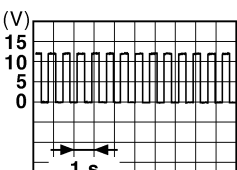
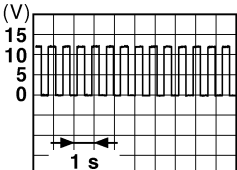
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	–	Signal name	Input/ Output			
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		12 V
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		12 V
4 (R)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		12 V
5 (G)*1 (V)*2	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors, fuel lid	LOCK (Actuator is activated)	12 V
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door, fuel lid	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
11 (BR)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (R)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p>NOTE: When the illumination brightening/dimming level is in the neutral position.</p>  <p>JSNIA0010GB</p>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ACC	0 V

BCM (BODY CONTROL MODULE)

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[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
17 (W)	Ground	Turn signal RH (Front and side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 PKID0926E 6.5 V
18 (O)	Ground	Turn signal LH (Front and side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 PKID0926E 6.5 V
19 (P)*1 (V)*2	Ground	Room lamp timer control	Output	Interior room lamp	OFF	12 V
					ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 PKID0926E 6.5 V
23 (L)*1 (Y)*2	Ground	Back door/Trunk lid open	Output	Back door/ Trunk lid	OPEN (Back door/Trunk lid open- er actuator is activated)	12 V
					Other than OPEN (Back door/Trunk lid open- er actuator is not activat- ed)	0 V
24 (O)	Ground	Rear fog lamp	Output	Rear fog lamp	OFF	0 V
					ON	12 V
25 (LG)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 PKID0926E 6.5 V

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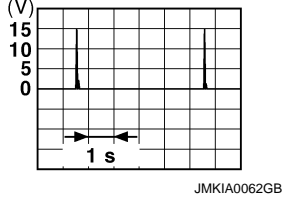
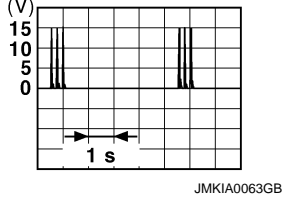
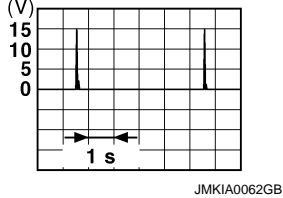
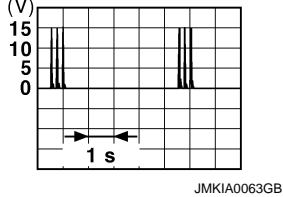
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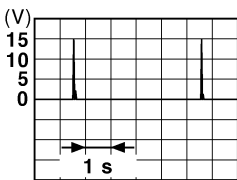
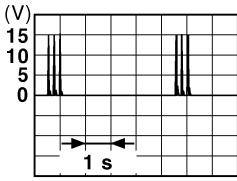
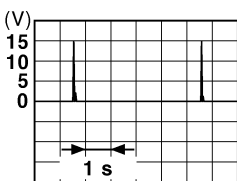
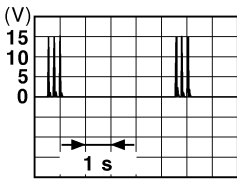
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
30 (R)	Ground	Luggage room/Trunk room lamp	Output	Luggage room/ Trunk room lamp	ON	0 V
					OFF	12 V
34 (G)*3 (SB)*4	Ground	Luggage room/Trunk room antenna (-)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	
					When Intelligent Key is not in the passenger compart- ment	
35 (R)*3 (V)*4	Ground	Luggage room/Trunk room antenna (+)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	
					When Intelligent Key is not in the passenger compart- ment	

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[COUPE]

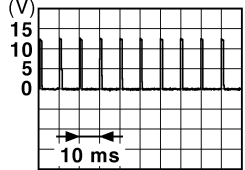
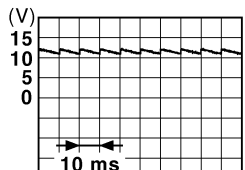
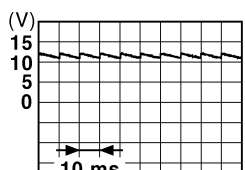
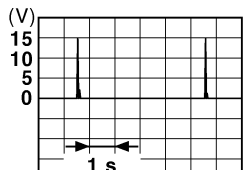
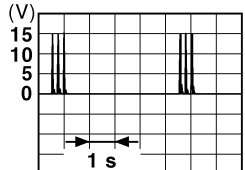
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
38 (B)	Ground	Rear bumper antenna (-)	Output	When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	 JMKIA0062GB
				When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	 JMKIA0063GB
39 (W)	Ground	Rear bumper antenna (+)	Output	When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	 JMKIA0062GB
				When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	 JMKIA0063GB
47 (V)*3 (Y)*4	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	12 V
					ON	0 V
52 (SB)	Ground	Starter relay control	Output	Ignition switch ON (A/T models)	When selector lever is in P or N position	12 V
					When selector lever is not in P or N position	0 V
				Ignition switch ON (M/T models)	When the clutch pedal is depressed	Battery voltage
					When the clutch pedal is not depressed	0 V

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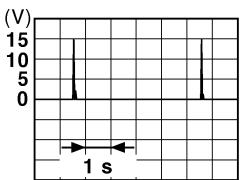
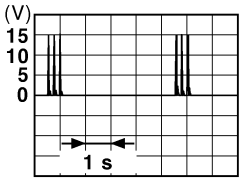
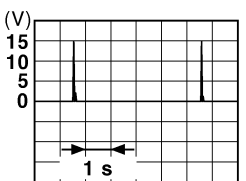
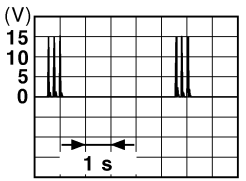
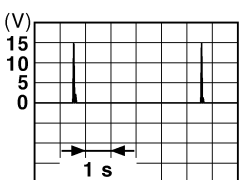
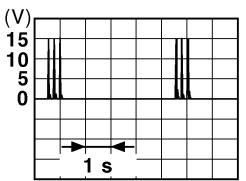
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
61 (W)	Ground	Back door/Trunk Lid door request switch	Input	Back door/ Trunk lid door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 1.0 V
64 (G)*3 (V)*4	Ground	Intelligent Key warn- ing buzzer	Output	Intelligent Key warning buzzer	Sounding	0 V
					Not sounding	12 V
66 (R)	Ground	Back door/Trunk room lamp switch	Input	Back door/ Trunk room lamp switch	OFF (Door close)	 11.8 V
					ON (Door open)	0 V
67 (GR)	Ground	Back door/Trunk lid opener switch	Input	Back door/ Trunk lid open- er switch	Pressed	0 V
					Not pressed	 11.8 V
72 (L)*3 (R)*4	Ground	Room antenna 2 (-) (Center console)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	
					When Intelligent Key is not in the passenger compart- ment	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
73 (P)*3 (G)*4	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	 <p>JMKIA0063GB</p>
74 (SB)	Ground	Passenger door an- tenna (-)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>
75 (BR)	Ground	Passenger door an- tenna (+)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>

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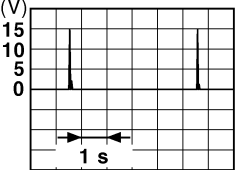
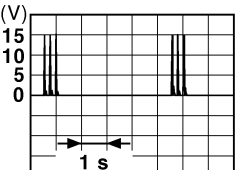
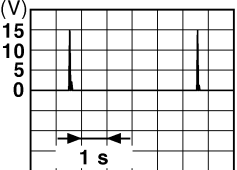
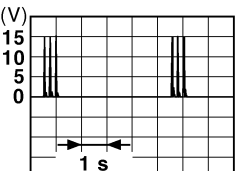
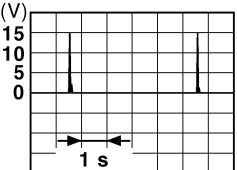
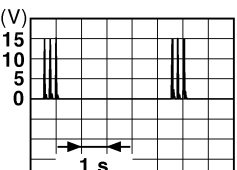
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BCM (BODY CONTROL MODULE)

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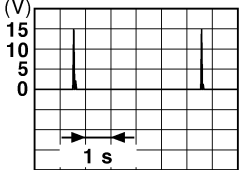
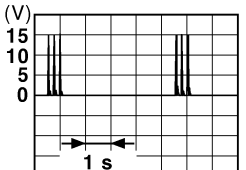
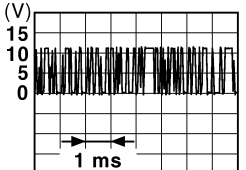
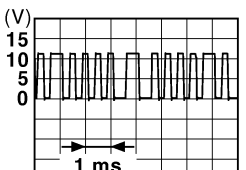
[COUPE]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	 JMKIA0062GB
				When the driver door request switch is oper- ated with igni- tion switch OFF	 JMKIA0063GB
77 (LG)	Ground	Driver door antenna (+)	Output	When Intelligent Key is in the antenna detection area	 JMKIA0062GB
				When the driver door request switch is oper- ated with igni- tion switch OFF	 JMKIA0063GB
78 (L)*5 (Y)*6	Ground	Room antenna 1 (-) (Instrument panel)	Output	When Intelligent Key is in the passenger compart- ment	 JMKIA0062GB
				When Intelligent Key is not in the passenger compart- ment	 JMKIA0063GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

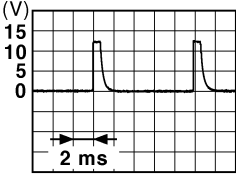
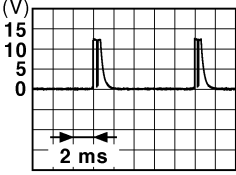
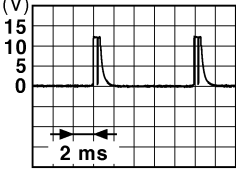
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
79 (R)* ⁵ (BR)* ⁶	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	 JMKIA0062GB
					When Intelligent Key is not in the passenger compart- ment	 JMKIA0063GB
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (W)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (R)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
83 (GR)* ³ (Y)* ⁴	Ground	Remote keyless entry receiver (front) com- munication	Input/ Output		During waiting	 JMKIA0064GB
					When operating either button on the Intelli- gent Key	 JMKIA0065GB

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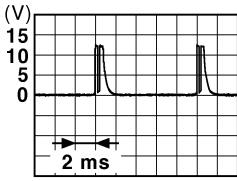
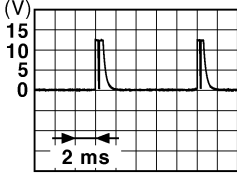
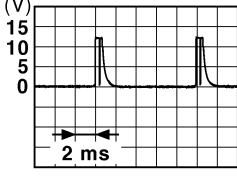
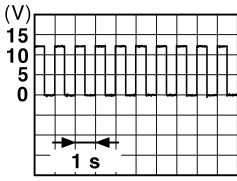
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
87 (BR)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p>1.4 V</p>
					Rear fog lamp switch ON (Wiper intermittent dial 4)	 <p>1.3 V</p>
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	 <p>1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 1.4 V
					Lighting switch HI (Wiper intermittent dial 4)	 1.3 V
					Lighting switch 2ND (Wiper intermittent dial 4)	 1.3 V
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 	 1.3 V
89 (BR)	Ground	Push-button ignition switch (Push switch)	Input	Push-button ignition switch (push switch)	Pressed	0 V
					Not pressed	Battery voltage
90 (P)	Ground	CAN-L	Input/ Output	—	—	—
91 (L)	Ground	CAN-H	Input/ Output	—	—	—
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	OFF	0 V
					Blinking	 6.5 V
					ON	12 V

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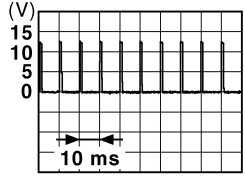
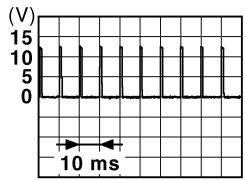
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ON	0 V
95 (O)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	12 V
96*5 (Y)	Ground	A/T shift selector (Detention switch) power supply	Output	—		12 V
97 (L)	Ground	Steering lock condition No. 1	Input	Steering lock	LOCK status	0 V
					UNLOCK status	12 V
98 (P)	Ground	Steering lock condition No. 2	Input	Steering lock	LOCK status	12 V
					UNLOCK status	0 V
99*7 (BR)*8 (R)*9	Ground	Selector lever P position switch (A/T models)	Input	Selector lever	P position	0 V
					Any position other than P	12 V
		Clutch pedal position switch (M/T models without SynchroRev Match mode)	Input	Clutch pedal position switch	OFF (Clutch pedal is depressed)	0 V
					ON (Clutch pedal is not depressed)	Battery voltage
100 (GR)*3 (G)*4	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
101 (Y)*3 (SB)*4	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
102 (O)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
103 (LG)	Ground	Remote keyless entry receiver (front) power supply	Output	Ignition switch OFF		12 V
105 (GR)	Ground	Remote keyless entry receiver (rear) power supply	Output	Ignition switch OFF		12 V
106 (W)	Ground	Steering lock unit power supply	Output	Ignition switch	OFF or ACC	12 V
					ON	0 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]



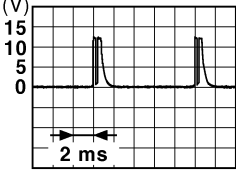
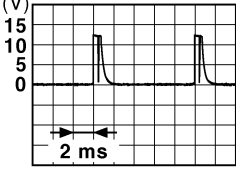
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermit- tent dial 4)	<div> <p>JPMIA0041GB</p> <p>1.4 V</p> </div>
					<div> <p>JPMIA0037GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0036GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0038GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0039GB</p> <p>1.3 V</p> </div>

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BCM (BODY CONTROL MODULE)

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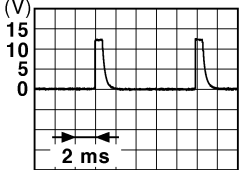

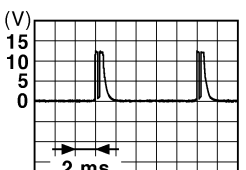


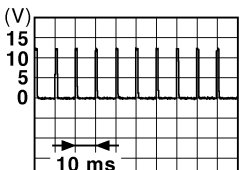
[COUPE]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	 <p>1.4 V</p>
				Lighting switch AUTO (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Lighting switch 1ST (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 	 <p>1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	All switches OFF  <small>JPMIA0041GB</small> 1.4 V
					Lighting switch PASS  <small>JPMIA0037GB</small> 1.3 V
					Lighting switch 2ND  <small>JPMIA0036GB</small> 1.3 V
					Front wiper switch INT  <small>JPMIA0038GB</small> 1.3 V
					Front wiper switch HI  <small>JPMIA0040GB</small> 1.3 V
110 (P)*3 (G)*4	Ground	Hazard switch	Input	Hazard switch	ON 0 V
				OFF	 <small>JPMIA0012GB</small> 1.1 V

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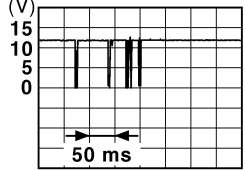
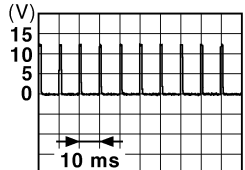
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< ECU DIAGNOSIS INFORMATION >

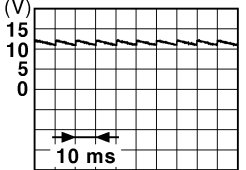
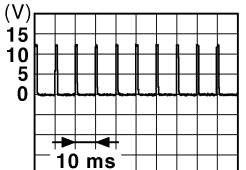
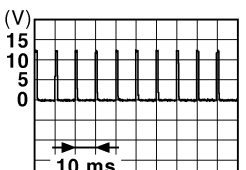
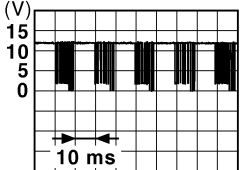
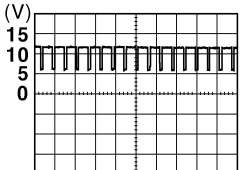
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
111 (Y)	Ground	Steering lock unit communication	Input/ Output	Steering lock	LOCK status	12 V
					LOCK or UNLOCK	 JMKIA0066GB
					For 15 seconds after UN- LOCK	12 V
					15 seconds or later after UNLOCK	0 V
113 (O)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
114*6 (R)	Ground	Clutch interlock switch	Input	Clutch interlock switch	OFF (Clutch pedal is not depressed)	0 V
					ON (Clutch pedal is de- pressed)	Battery voltage
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (P)	Ground	Stop lamp switch 2	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
119 (SB)	Ground	Driver side door lock assembly (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	 JPMIA0012GB
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (R)	Ground	Key slot switch	Input	When the Intelligent Key is inserted into key slot		12 V
				When the Intelligent Key is not inserted into key slot		0 V
123 (W)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	 JPMIA0011GB 11.8 V
					ON (Door open)	0 V
129 (O)	Ground	Trunk lid opener can- cel switch	Input	Trunk lid open- er cancel switch	CANCEL	 JPMIA0012GB 1.1 V
					ON	0 V
130*10 (L)	Ground	Rear window defog- ger switch	Input	Ignition switch ON	Rear window defogger switch OFF	 JPMIA0012GB 1.1 V
					Rear window defogger switch ON	0 V
132 (Y)*1 (V)*2	Ground	Power window switch and soft top control unit communication	Input/ Output	Ignition switch ON		 JPMIA0013GB 10.2 V
				Ignition switch OFF or ACC		12 V
133 (G)*3 (R)*4	Ground	Push-button ignition switch illumination	Output		ON (Tail lamps OFF)	9.5 V
				Push-button ig- nition switch il- lumination	ON (Tail lamps ON)	NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.  JPMIA0159GB
					OFF	0 V

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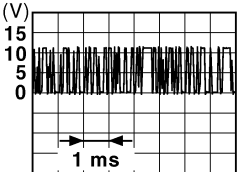
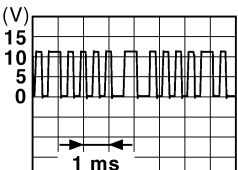
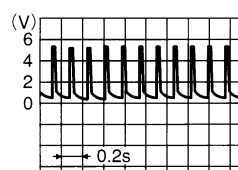
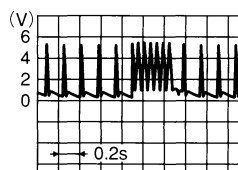
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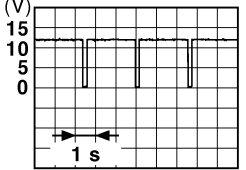



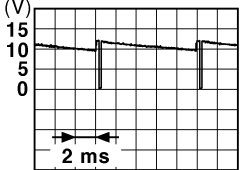
[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	–					
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF	Battery voltage
					ON	0 V
137 (P)*3 (O)*4	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF	0 V
					ACC or ON	5.0 V
139 (L)	Ground	Remote keyless entry receiver and tire pressure receiver communication	Input/ Output	Ignition switch OFF (Remote keyless entry receiver communication)	During waiting	 JMKIA0064GB
					When operating either button on the Intelligent Key	 JMKIA0065GB
				Ignition switch ON (Tire pressure receiver communication)	Standby state	 OCC3881D
					When receiving the signal from the transmitter	 OCC3880D
140*11 (G)	Ground	Selector lever P/N position (A/T models)	Input	Selector lever	P or N position	12 V
		Selector lever		Except P and N positions	0 V	
		Park/neutral position switch (Coupe M/T models with Synchro-Rev Match mode)	Ignition switch ON	Control lever in neutral position	Battery voltage	
				Control lever in any position other than neutral	0 V	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

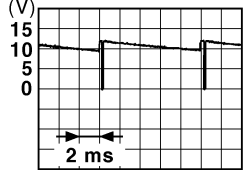
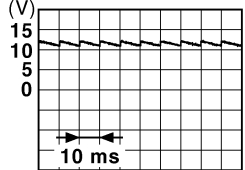
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
141 (Y)	Ground	Security indicator lamp	Output	Security indica- tor lamp	ON	0 V
				Security indica- tor lamp	Blinking	 11.3 V
				Security indica- tor lamp	OFF	12 V
142 (O)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
				Combination switch (Wiper intermit- tent dial 4)	Lighting switch 1ST	 10.7 V
				Combination switch (Wiper intermit- tent dial 4)	Lighting switch HI	
				Combination switch (Wiper intermit- tent dial 4)	Lighting switch 2ND	
				Combination switch (Wiper intermit- tent dial 4)	Turn signal switch RH	
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
				Combination switch	Front wiper switch HI (Wiper intermittent dial 4)	 10.7 V
				Combination switch	Any of the conditions be- low with all switches OFF	
				Combination switch	<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
				Combination switch	Front washer switch ON (Wiper intermittent dial 4)	 10.7 V
				Combination switch	Any of the conditions be- low with all switches OFF	
				Combination switch	<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 	
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
				Combination switch (Wiper intermit- tent dial 4)	Front wiper switch INT	 10.7 V
				Combination switch (Wiper intermit- tent dial 4)	Front wiper switch LO	
				Combination switch (Wiper intermit- tent dial 4)	Lighting switch AUTO	
				Combination switch (Wiper intermit- tent dial 4)	Rear fog lamp switch ON	

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[COUPE]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
149 (W)	Ground	Tire pressure warning check switch	Input	—		12 V
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	
					ON (Door open)	0 V
151 (G)	Ground	Rear window defog- ger relay control	Output	Rear window defogger	Active	0 V
					Not activated	Battery voltage

- *1: Coupe models
- *2: Roadster models
- *3: Except roadster M/T models
- *4: Roadster M/T models
- *5: A/T models
- *6: M/T models
- *7: Except M/T models with SynchroRev Match mode
- *8: Coupe M/T models
- *9: Except coupe models
- *10: Without NAVI
- *11: A/T models or coupe M/T models without SynchroRev Match mode

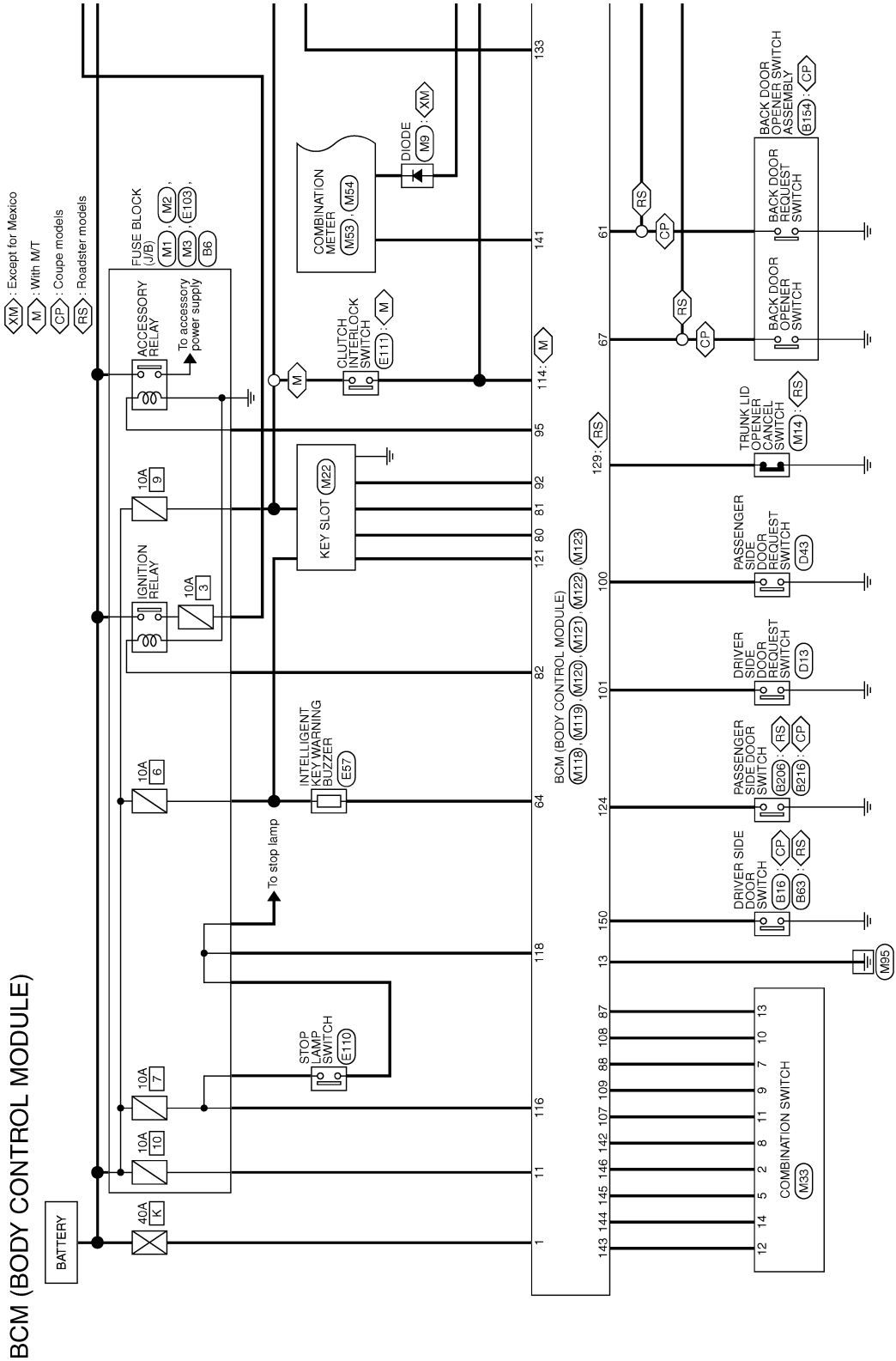
BCM (BODY CONTROL MODULE)

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< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - BCM -

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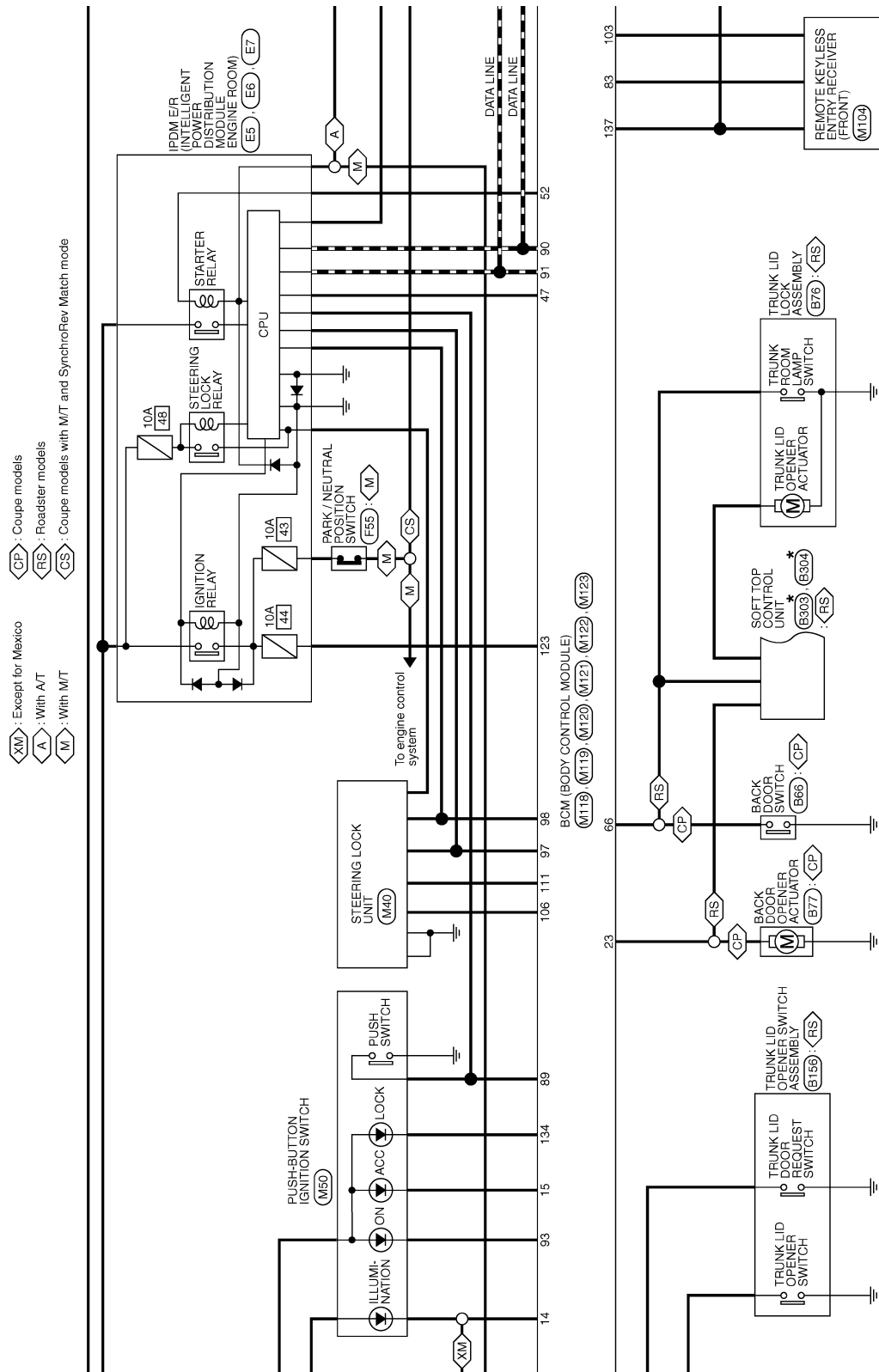
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]



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

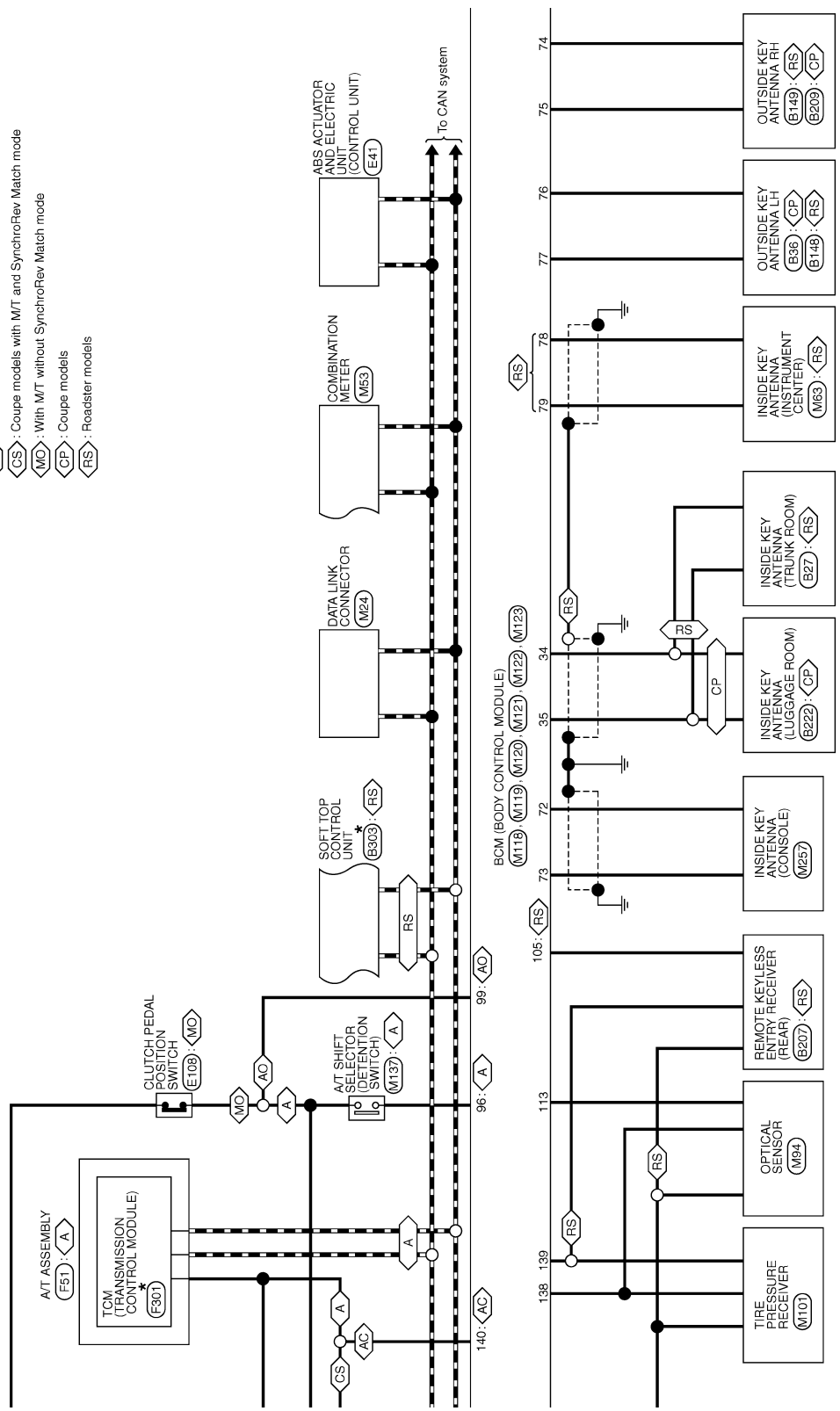
JCMWM4752GB

BCM (BODY CONTROL MODULE)

[COUPE]

< ECU DIAGNOSIS INFORMATION >

- <A> : With A/T
- <AC> : With A/T or coupe models with M/T and SynchroRev Match mode
- <AD> : With A/T or with M/T without SynchroRev Match mode
- <CS> : Coupe models with M/T and SynchroRev Match mode
- <MO> : With M/T without SynchroRev Match mode
- <CP> : Coupe models
- <RS> : Roadster models



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

JCMWM4753GB

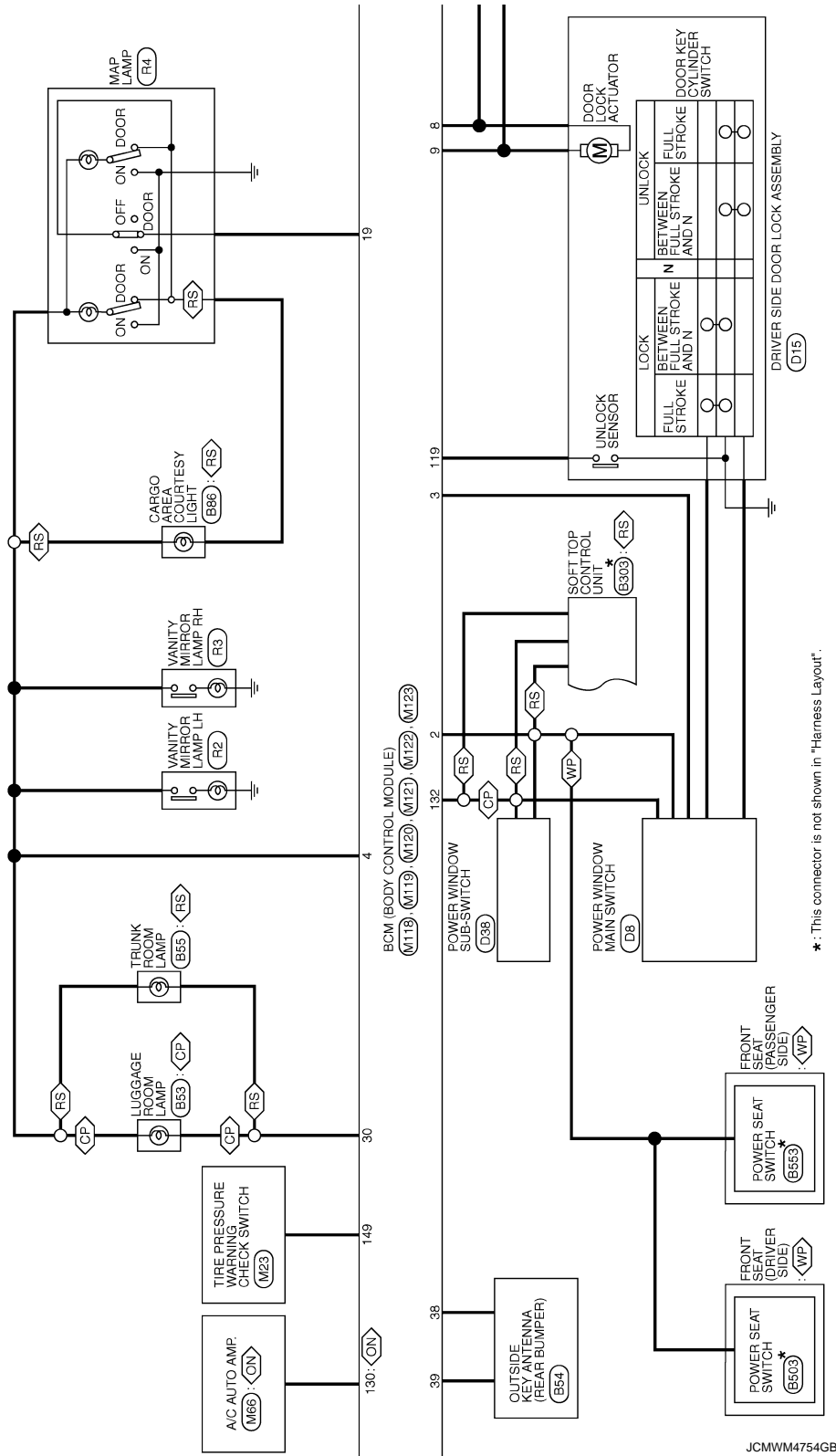
DEF

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

CP : Coupe models
 RS : Roadster models
 WP : With power seat
 ON : Without NAVI

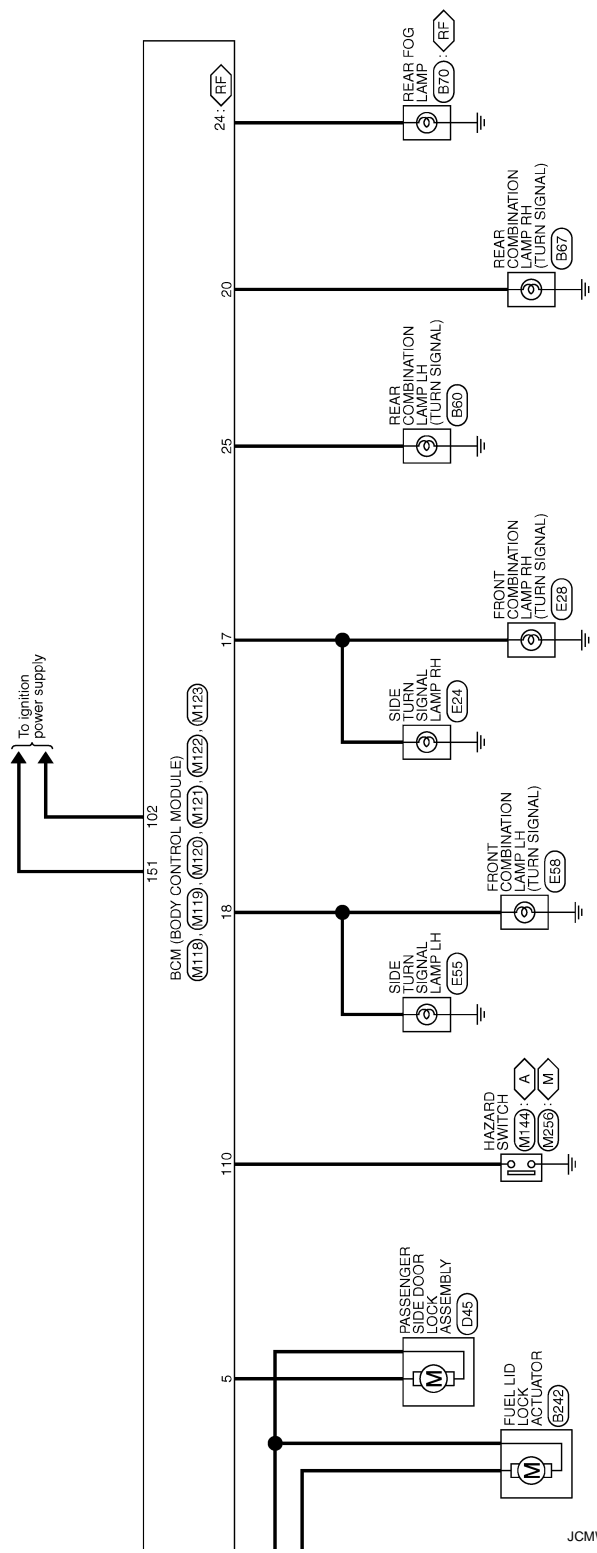


BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

- : With A/T
- : With M/T
- : With rear fog lamp



JCMWMM4755GB

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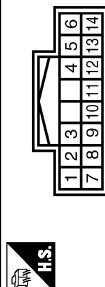
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

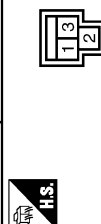
BCM (BODY CONTROL MODULE)

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



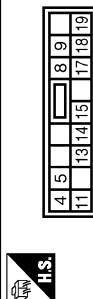
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	FR WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GND
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LG



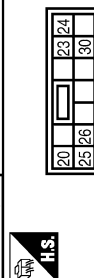
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

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



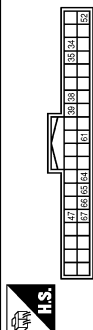
Terminal No.	Color of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	SUPER LOCK OUTPUT [Coupe models]
5	V	SUPER LOCK OUTPUT [Roadster models]
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GND
14	R	PUSH-BUTTON IGNITION SW (LL POWER)
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



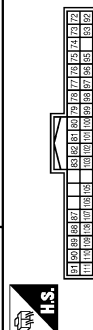
Terminal No.	Color of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	L	BACK DOOR OPEN OUTPUT [Coupe models]
23	Y	TRUNK LID OPEN OUTPUT [Roadster models]
24	O	REAR FOG OUTPUT
25	LG	TURN SIGNAL LH (REAR)
30	R	LUGGAGE ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40GY-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]
39	W	BACK DOOR ANT-
47	Y	BACK DOOR ANT+
47	V	WIN RELAY (PWR) F/R CONT [Roadster models with M/T]
47	V	WIN RELAY (PWR) F/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	HAZARD WARN BUZZER (ENG ROOM) [Roadster models with M/T]
64	G	HAZARD 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) COMB [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT) COMB [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

JCMWM4756GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

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BCM (BODY CONTROL MODULE)

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

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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 P/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	PURR BUTTON/CAUTION SW L L POWER [Roadster models with M/T]
133	G	PURR BUTTON/CAUTION SW R L POWER [Roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER SENSOR GND [Roadster models with M/T]
137	P	RECEIVER SENSOR GND [Event for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS./K/L'S 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

Fail-safe

FAIL-SAFE CONTROL BY DTC
BCM performs fail-safe control when any DTC are detected.

Revision: 2009 July

DEF-71

2010 370Z

JCMWM4757GB

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Display contents of CONSULT	Fail-safe	Cancellation
B2013: ID DISCORD BCM-S/L	Inhibit engine cranking	Erase DTC
B2014: CHAIN OF S/L-BCM	Inhibit engine cranking	Erase DTC
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC
B2195: ANTI SCANNING	Inhibit engine cranking	Ignition switch ON → OFF
B2557: VEHICLE SPEED	Inhibit steering lock	When normal vehicle speed signals are received from ABS actuator and electric unit (control unit) for 500 ms
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Starter control relay signal • Starter relay status signal
B2601: SHIFT POSITION	Inhibit steering lock	500 ms after the following signal reception status becomes consistent <ul style="list-style-type: none"> • Selector lever P position switch signal • P range signal (CAN)
B2602: SHIFT POSITION	Inhibit steering lock	5 seconds after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Vehicle speed: 4 km/h (2.5 MPH) or more
B2603: SHIFT POSI STATUS	Inhibit steering lock	500 ms after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Selector lever P/N position signal: Except P and N positions (0 V)
B2604: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P and N position (battery voltage) - P range signal or N range signal (CAN): ON • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - P range signal and N range signal (CAN): OFF
B2605: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - Interlock/PNP switch signal (CAN): OFF • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P or N position (battery voltage) - PNP switch signal (CAN): ON
B2606: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Steering lock relay signal (Request signal) • Steering lock relay signal (Condition signal)

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Display contents of CONSULT	Fail-safe	Cancellation
B2607: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status has becomes consistent <ul style="list-style-type: none"> Steering lock relay signal (Request signal) Steering lock relay signal (Condition signal)
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> Starter motor relay control signal Starter relay status signal (CAN)
B2609: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When the following steering lock conditions agree <ul style="list-style-type: none"> BCM steering lock control status Steering lock condition No. 1 signal status Steering lock condition No. 2 signal status
B260A: IGNITION RELAY	Inhibit engine cranking	500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> IGN relay (IPDM E/R) control signal: OFF (Battery voltage) Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal)
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled <ul style="list-style-type: none"> Power position changes to ACC Receives engine status signal (CAN)
B2612: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When any of the following conditions are fulfilled <ul style="list-style-type: none"> Steering lock unit status signal (CAN) is received normally The BCM steering lock control status matches the steering lock status recognized by the steering lock unit status signal (CAN from IPDM E/R)
B2617: STARTER RELAY CIRC	Inhibit engine cranking	1 second after the starter motor relay control inside BCM becomes normal
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal
B2619: BCM	Inhibit engine cranking	1 second after the steering lock unit power supply output control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization
B26E8: CLUTCH SW	Inhibit engine cranking	When any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): ON Clutch interlock switch signal: OFF (0 V) Status 2 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): OFF Clutch interlock switch signal: ON (Battery voltage)
B26E9: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When BCM transmits the LOCK request signal to steering lock unit, and receives LOCK response signal from steering lock unit, the following conditions are fulfilled <ul style="list-style-type: none"> Steering condition No. 1 signal: LOCK (0 V) Steering condition No. 2 signal: LOCK (Battery voltage)

HIGH FLASHER OPERATION

BCM detects the turn signal lamp circuit status by the current value.

BCM increases the turn signal lamp blinking speed if the bulb or harness open is detected with the turn signal lamp operating.

NOTE:

The blinking speed is normal while activating the hazard warning lamp.

FAIL-SAFE CONTROL BY RAIN SENSOR MALFUNCTION

- BCM judges the rain sensor serial link error by the rain sensor serial link condition and detects the rain sensor malfunction by rain sensor malfunction signal.
- When BCM detects the rain sensor serial link error or the rain sensor malfunction while front wiper AUTO operation, BCM operates a fail-safe control.

NOTE:

If rain sensor malfunction is detected when ignition switch is turned OFF ⇒ ON and front wiper switch is INT position, BCM operates a fail-safe control.

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

DTC Inspection Priority Chart

INFOID:000000005569272

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	DTC
1	B2562: LOW VOLTAGE
2	<ul style="list-style-type: none">• U1000: CAN COMM CIRCUIT• U1010: CONTROL UNIT (CAN)
3	<ul style="list-style-type: none">• B2190: NATS ANTENNA AMP• B2191: DIFFERENCE OF KEY• B2192: ID DISCORD BCM-ECM• B2193: CHAIN OF BCM-ECM• B2195: ANTI SCANNING
4	<ul style="list-style-type: none">• B2013: ID DISCORD BCM-S/L• B2014: CHAIN OF S/L-BCM• B2553: IGNITION RELAY• B2555: STOP LAMP• B2556: PUSH-BTN IGN SW• B2557: VEHICLE SPEED• B2560: STARTER CONT RELAY• B2601: SHIFT POSITION• B2602: SHIFT POSITION• B2603: SHIFT POSI STATUS• B2604: PNP SW• B2605: PNP SW• B2606: S/L RELAY• B2607: S/L RELAY• B2608: STARTER RELAY• B2609: S/L STATUS• B260A: IGNITION RELAY• B260B: STEERING LOCK UNIT• B260C: STEERING LOCK UNIT• B260D: STEERING LOCK UNIT• B260F: ENG STATE SIG LOST• B2612: S/L STATUS• B2614: ACC RELAY CIRC• B2615: BLOWER RELAY CIRC• B2616: IGN RELAY CIRC• B2617: STARTER RELAY CIRC• B2618: BCM• B2619: BCM• B261A: PUSH-BTN IGN SW• B261E: VEHICLE TYPE• B26E8: CLUTCH SW• B26E9: S/L STATUS• B26EA: KEY REGISTRATION• C1729: VHCL SPEED SIG ERR• U0415: VEHICLE SPEED SIG

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Priority	DTC
5	<ul style="list-style-type: none"> • C1704: LOW PRESSURE FL • C1705: LOW PRESSURE FR • C1706: LOW PRESSURE RR • C1707: LOW PRESSURE RL • C1708: [NO DATA] FL • C1709: [NO DATA] FR • C1710: [NO DATA] RR • C1711: [NO DATA] RL • C1716: [PRESSDATA ERR] FL • C1717: [PRESSDATA ERR] FR • C1718: [PRESSDATA ERR] RR • C1719: [PRESSDATA ERR] RL • C1734: CONTROL UNIT
6	<ul style="list-style-type: none"> • B2621: INSIDE ANTENNA • B2622: INSIDE ANTENNA • B2623: INSIDE ANTENNA

DTC Index

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NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [DEF-94. "COMMON ITEM : CONSULT-III Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	BCS-42
U1010: CONTROL UNIT (CAN)	—	—	—	—	BCS-43
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-44
B2013: ID DISCORD BCM-S/L	×	×	—	—	SEC-51
B2014: CHAIN OF S/L-BCM	×	×	—	—	SEC-52
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-43
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-46
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-47
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-49
B2195: ANTI SCANNING	×	—	—	—	SEC-50
B2553: IGNITION RELAY	—	×	—	—	PCS-48
B2555: STOP LAMP	—	×	—	—	SEC-55
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-57
B2557: VEHICLE SPEED	×	×	×	—	SEC-59
B2560: STARTER CONT RELAY	×	×	×	—	SEC-60
B2562: LOW VOLTAGE	—	×	—	—	BCS-45
B2601: SHIFT POSITION	×	×	×	—	SEC-61
B2602: SHIFT POSITION	×	×	×	—	SEC-64
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-67
B2604: PNP SW	×	×	×	—	SEC-70

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
B2605: PNP SW	×	×	×	—	SEC-72
B2606: S/L RELAY	×	×	×	—	SEC-74
B2607: S/L RELAY	×	×	×	—	SEC-75
B2608: STARTER RELAY	×	×	×	—	SEC-77
B2609: S/L STATUS	×	×	×	—	SEC-79
B260A: IGNITION RELAY	×	×	×	—	PCS-50
B260B: STEERING LOCK UNIT	—	×	×	—	SEC-83
B260C: STEERING LOCK UNIT	—	×	×	—	SEC-84
B260D: STEERING LOCK UNIT	—	×	×	—	SEC-85
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-86
B2612: S/L STATUS	×	×	×	—	SEC-91
B2614: ACC RELAY CIRC	—	×	×	—	PCS-52
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-55
B2616: IGN RELAY CIRC	—	×	×	—	PCS-58
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-95
B2618: BCM	×	×	×	—	PCS-61
B2619: BCM	×	×	×	—	SEC-97
B261A: PUSH-BTN IGN SW	—	×	×	—	PCS-62
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-98
B2621: INSIDE ANTENNA	—	×	—	—	DLK-279
B2622: INSIDE ANTENNA	—	×	—	—	• DLK-84 (Coupe) • DLK-281 (Road- ster)
B2623: INSIDE ANTENNA	—	×	—	—	• DLK-86 (Coupe) • DLK-283 (Road- ster)
B26E8: CLUTCH SW	×	×	×	—	SEC-87
B26E9: S/L STATUS	×	×	× (Turn ON for 15 seconds)	—	SEC-89
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-90
C1704: LOW PRESSURE FL	—	—	—	×	WT-26
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-28
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-31
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[COUPE]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condi- tion	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-33
C1734: CONTROL UNIT	—	—	—	×	WT-35

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REAR WINDOW DEFOGGER DOES NOT OPERATE

[COUPE]

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

REAR WINDOW DEFOGGER DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000005569422

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-13, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

- With Navigation: Refer to [DEF-14, "WITH NAVIGATION : Component Function Check"](#).

- Without Navigation: Refer to [DEF-14, "WITHOUT NAVIGATION : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-16, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-18, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

Diagnosis Procedure

INFOID:000000005569249

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-13, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

Refer to [DEF-14, "WITH NAVIGATION : Component Function Check"](#)(With Navi) or [DEF-14, "WITHOUT NAVIGATION : Component Function Check"](#)(Without Navi).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-16, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

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DEF

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR MIRROR DEFOGGERS OPERATE.

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR MIRROR DEFOGGERS OPERATE.

Diagnosis Procedure

INFOID:000000005569250

1.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-18, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

DOOR MIRROR DEFOGGER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

DOOR MIRROR DEFOGGER DOES NOT OPERATE BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:000000005569251

1.CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-23, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:000000005569252

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-24, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000005569253

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

Refer to [DEF-26, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

DEF

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

[COUPE]

< SYMPTOM DIAGNOSIS >

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

Diagnosis Procedure

INFOID:000000005569246

1.CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to [AV-268, "Work Flow"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE WITH NAVIGATION

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000005569247

1.CHECK REAR WINDOW DEFOGGER OPERATION

Check rear window defogger operation.

Is the inspection result normal?

YES >> Check AV control system. Refer to [AV-268, "Work Flow"](#).

NO >> Check rear window defogger system. Refer to [DEF-5, "Work Flow"](#).

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000005569248

1.CHECK A/C CONTROLLER FUNCTION

Check that the A/C controller is operating normally.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check A/C control system. Refer to [HAC-5, "Work Flow"](#).

2.CHECK REAR WINDOW DEFOGGER ON SIGNAL

Check rear window defogger ON signal.

Refer to [DEF-21, "Component Function Check"](#).

Is the inspection result normal?

YES >> Replace A/C controller (rear window defogger switch). Refer to [HAC-84, "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-87, "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> Repair or replace the malfunctioning parts.

DEF

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:000000005569409

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 MEXICO

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

INFOID:000000005569410

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)

PRECAUTIONS

< PRECAUTION >

[COUPE]

- 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.

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REMOVAL AND INSTALLATION

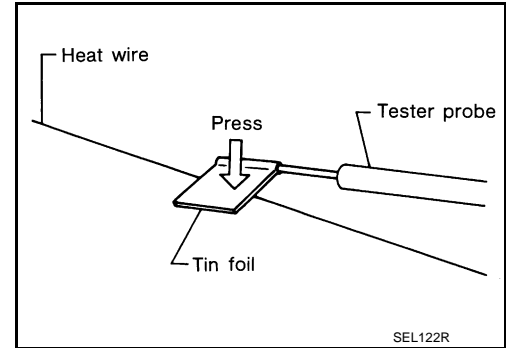
FILAMENT

Inspection and Repair

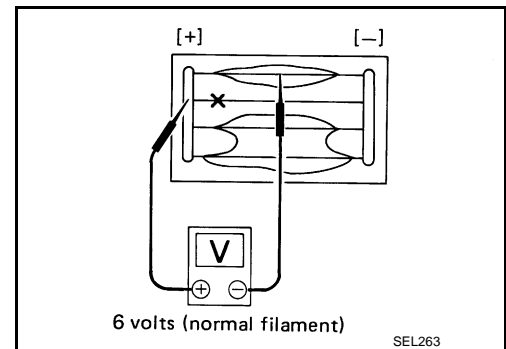
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INSPECTION

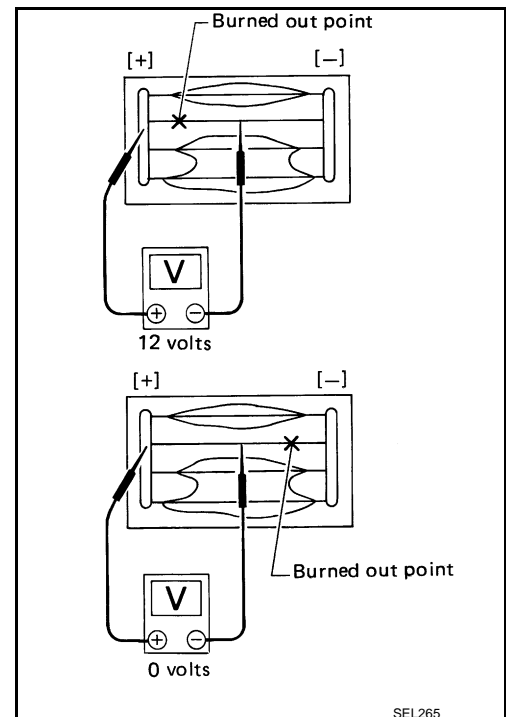
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



2. Attach probe circuit tester (in Volt range) to middle portion of each filament.



3. If a filament is burned out, circuit tester registers 0 or battery voltage.
4. To locate burned out point, move probe to left and right along filament. Test needle swings abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

- Conductive silver composition (Dupont No. 4817 or an equivalent)

FILAMENT

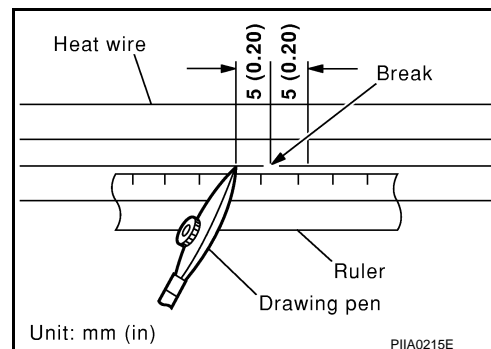
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< REMOVAL AND INSTALLATION >

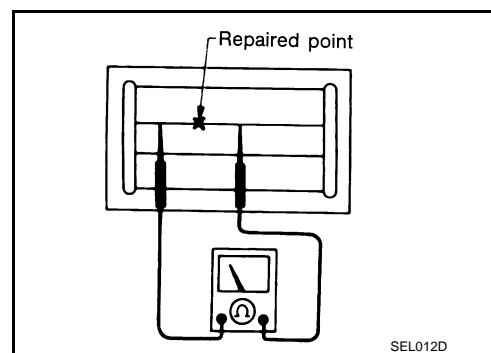
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

REPAIRING PROCEDURE

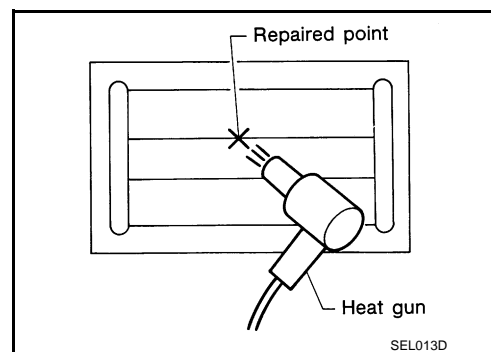
1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen. Shake silver composition container before use.
3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.



4. After repair has been complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited. Do not touch repaired area while test is being conducted.



5. Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet. If a heat gun is not available, let the repaired area dry for 24 hours.



CONDENSER

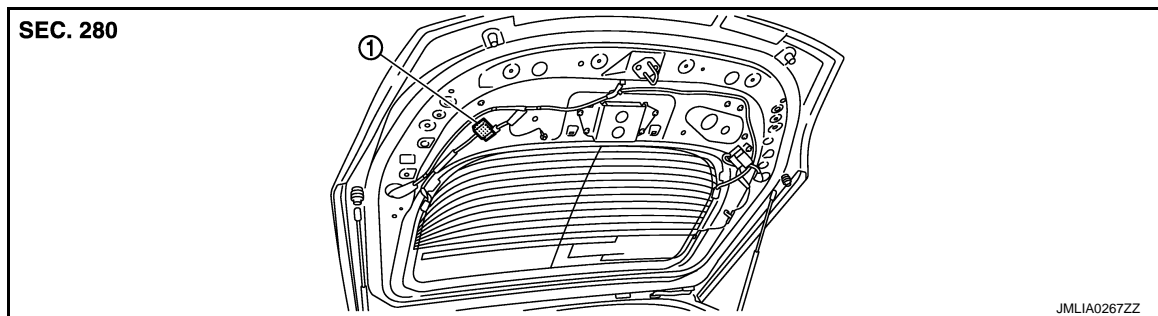
< REMOVAL AND INSTALLATION >

[COUPE]

CONDENSER

Exploded View

INFOID:000000005569256



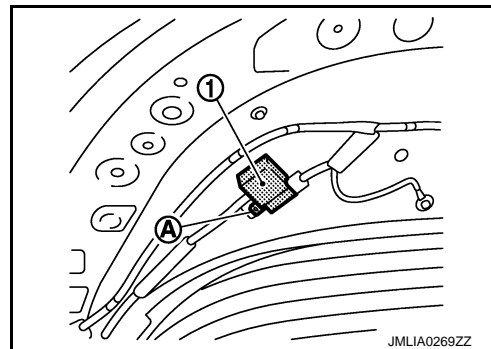
1. Condenser

Removal and Installation

INFOID:000000005569257

REMOVAL

1. Remove the back door finisher lower.
Refer to [INT-30, "Removal and Installation"](#).
2. Remove bolt (A), and then remove condenser (1) from the vehicle body.



INSTALLATION

Install in the reverse order of removal.

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000005238123

DETAILED FLOW

1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much malfunction information (conditions and environment when the malfunction occurs) as possible when the customer brings the vehicle in.

>> GO TO 2.

2.CHECK DTC

Perform self-diagnosis with CONSULT-III

Are any DTC detected?

YES >> Refer to [BCS-86, "DTC Index"](#)

NO >> GO TO 3.

3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.

Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 4.

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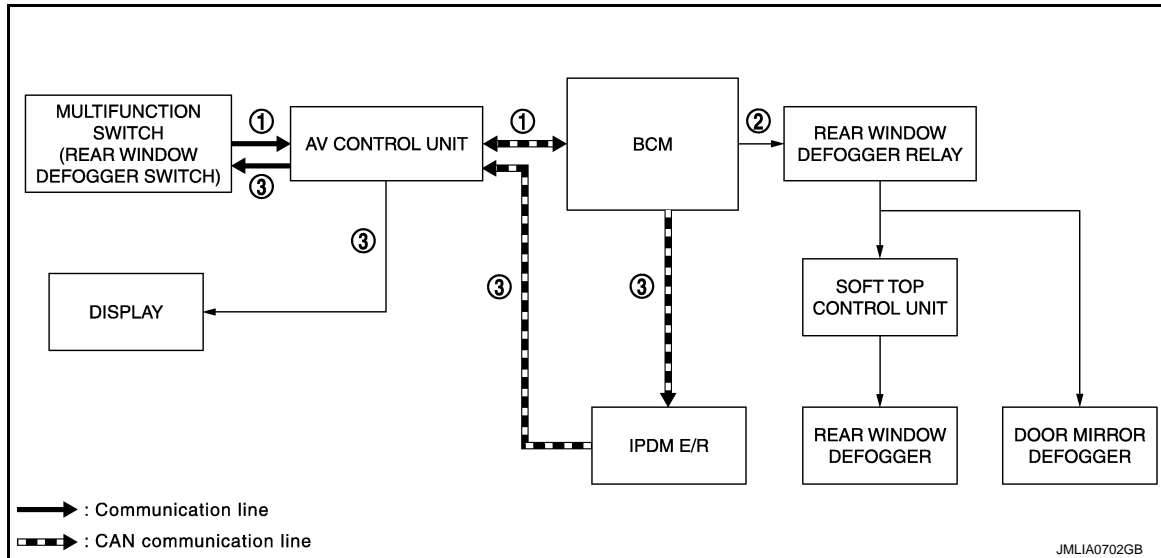
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SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION : System Diagram

INFOID:000000005238124



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITH NAVIGATION : System Description

INFOID:000000005238125

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then multifunction switch (rear window defogger switch) transmits rear window defogger switch signal to AV control unit via AV communication. AV control unit transmits rear window defogger switch signal to BCM via CAN communication.
- BCM turns rear window defogger relay ON and transmits rear window defogger ON signal to IPDM E/R via CAN communication when rear window defogger switch signal is received.
- Door mirror defoggers are supplied with power and operate when rear window defogger relay turns ON.
- Rear window defogger relay sends power supply to soft top control unit.
- Soft top control unit detects roof state and controls rear window defogger operation.
- IPDM E/R transmits rear window defogger ON signal to AV control unit via CAN communication.
- When receiving the signal, AV control unit indicates rear defogger ON on the display. At the same time, AV control unit transmits rear defogger ON signal to multifunction switch (rear window defogger switch) via AV communication and illuminates rear window defogger switch indicator.

TIMER FUNCTION

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same operation also occurs during timer operation, if the ignition switch is turned OFF.

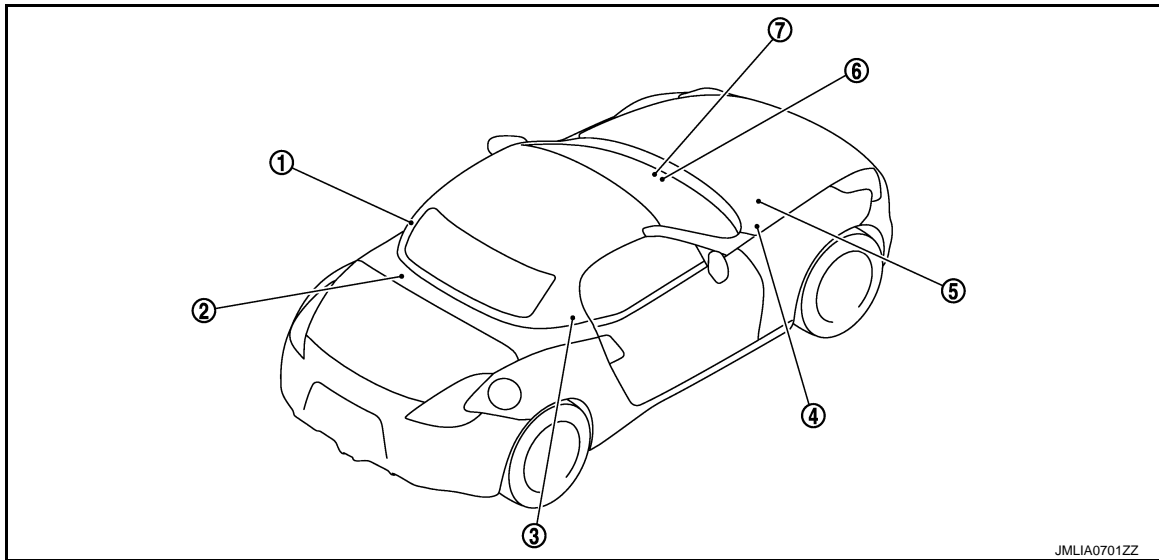
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITH NAVIGATION : Component Parts Location

INFOID:000000005238126



1. Rear window defogger connector
2. Soft top control unit
Refer to [RF-12, "Component Parts Location"](#).
3. Rear window defogger connector
4. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
5. BCM
Refer to [BCS-9, "Component Parts Location"](#).
6. AV control unit
Refer to [AV-208, "Component Parts Location"](#).
7. Multifunction switch (rear window defogger switch)

WITH NAVIGATION : Component Description

INFOID:000000005238127

Multifunction switch (Rear window defogger switch)	<ul style="list-style-type: none">• The rear window defogger switch is installed.• Turns the indicator lamp ON when detecting the operation of rear window defogger relay.
AV control unit	Displays the rear window defogger is ON on the display when detecting the operation of rear window defogger relay.
BCM	<ul style="list-style-type: none">• Operates the rear window defogger relay when receiving rear window defogger switch signal.• Performs the timer control of rear window defogger relay.
Rear window defogger relay	<ul style="list-style-type: none">• Operates the door mirror defoggers with the control signal from BCM.• Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM.
Door mirror defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.
Soft top control unit	Soft top control unit detects roof state and controls rear window defogger operation.
Rear window defogger	Heats the heating wire with the power supply from the soft top control unit to prevent the rear window from fogging up.
IPDM E/R	Transmits rear window defogger ON signal to AV control unit via CAN communication.

WITHOUT NAVIGATION

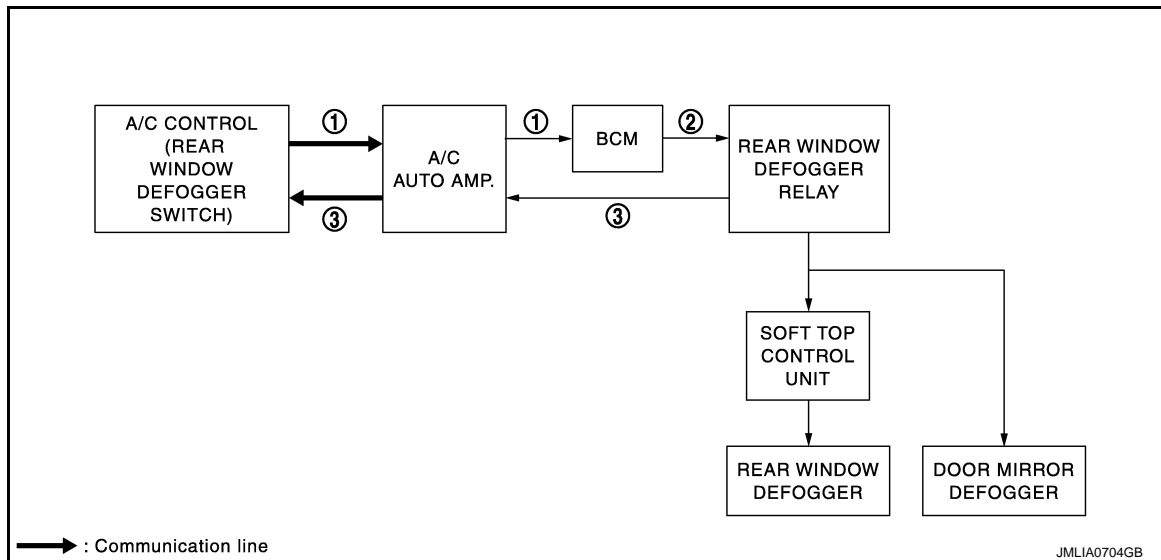
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITHOUT NAVIGATION : System Diagram

INFOID:000000005238128



1. Rear window defogger switch signal 2. Rear window defogger relay ON signal 3. Rear window defogger ON signal

WITHOUT NAVIGATION : System Description

INFOID:000000005238129

OPERATION DESCRIPTION

- Turn rear window defogger switch ON when the ignition switch is ON. Then A/C control (rear window defogger switch) transmits rear window defogger switch signal to A/C auto amp. and BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Door mirror defoggers are supplied with power and operate when rear window defogger relay turns ON.
- Rear window defogger relay sends power supply to soft top control unit.
- Soft top control unit detects roof state and controls rear window defogger operation.
- Rear window defogger relay transmits rear window defogger ON signal to A/C auto amp. when rear window defogger operates.
- At the same time, A/C auto amp. transmits rear defogger ON signal to A/C controller (rear window defogger switch) and illuminates rear window defogger switch indicator.

TIMER FUNCTION

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same operation also occurs during timer operation, if the ignition switch is turned OFF.

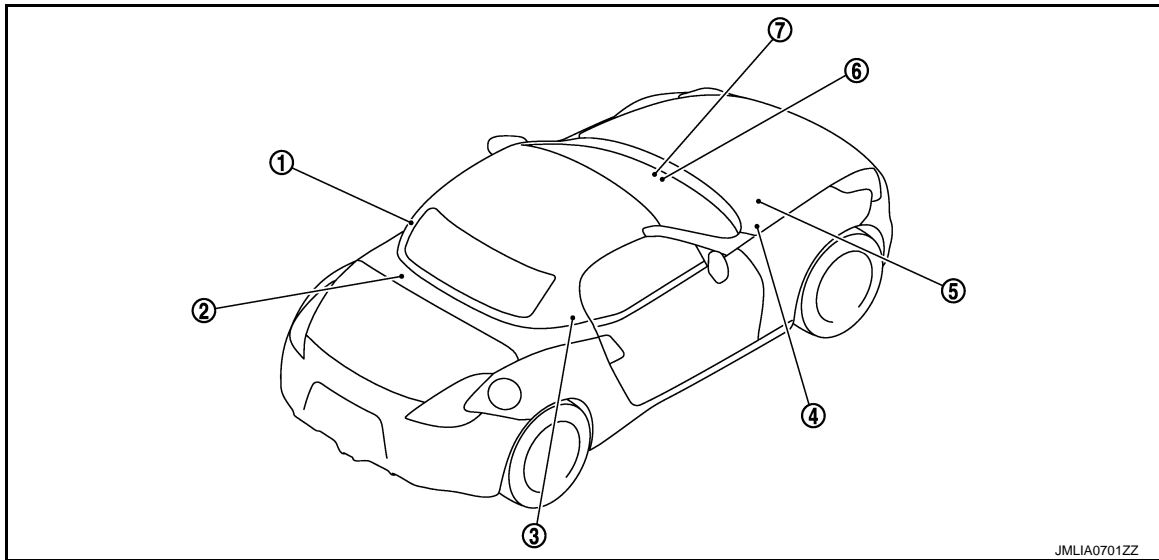
REAR WINDOW DEFOGGER SYSTEM

< SYSTEM DESCRIPTION >

[ROADSTER]

WITHOUT NAVIGATION : Component Parts Location

INFOID:0000000005238130



1. Rear window defogger connector
2. Soft top control unit
Refer to [RF-12, "Component Parts Location"](#).
3. Rear window defogger connector
4. IPDM E/R
Refer to [PCS-6, "Component Parts Location"](#).
5. BCM
Refer to [BCS-9, "Component Parts Location"](#).
6. A/C auto amp.
Refer to [HAC-22, "Component Parts Location"](#).
7. A/C control (rear window defogger switch)

WITHOUT NAVIGATION : Component Description

INFOID:0000000005238131

A/C control (Rear window defogger switch)	<ul style="list-style-type: none">• The rear window defogger switch is installed.• Turns the indicator lamp ON when detecting the operation of rear window defogger relay.
A/C auto amp.	Transmit rear window defogger switch signal to BCM via CAN communication.
BCM	<ul style="list-style-type: none">• Operates the rear window defogger relay with the operation of rear window defogger switch.• Performs the timer control of rear window defogger relay.
Rear window defogger relay	<ul style="list-style-type: none">• Operates the door mirror defogger with the control signal from BCM.• Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM.
Door mirror defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.
Soft top control unit	Soft top control unit detects roof state and controls rear window defogger operation.
Rear window defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

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

INFOID:000000005569354

APPLICATION ITEM

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

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	<ul style="list-style-type: none"> Read and save the vehicle specification. Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

x: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	x	x	x
Rear window defogger	REAR DEFOGGER		x	x
Warning chime	BUZZER		x	x
Interior room lamp timer	INT LAMP	x	x	x
Exterior lamp	HEAD LAMP	x	x	x
Wiper and washer	WIPER	x	x	x
Turn signal and hazard warning lamps	FLASHER	x	x	x
—	AIR CONDITONER*			
<ul style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	x	x	x
Combination switch	COMB SW		x	
Body control system	BCM	x		
IVIS - NATS	IMMU		x	x
Interior room lamp battery saver	BATTERY SAVER	x	x	x
Back door/Trunk lid open	TRUNK		x	x
Vehicle security system	THEFT ALM	x	x	x
RAP system	RETAINED PWR		x	
Signal buffer system	SIGNAL BUFFER		x	x
TPMS	TPMS (AIR PRESSURE MONITOR)	x	x	x

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.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		A
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")	B
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)	C
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"	
	ACC>ON		While turning power supply position from "ACC" to "IGN"	D
	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)	E
	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"	F
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"	
	OFF>ACC		While turning power supply position from "OFF" to "ACC"	G
	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	H
	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.)	I
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)	J
	ACC		Power supply position is "ACC" (Ignition switch ACC)	
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)	K
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)	
	CRANKING		Power supply position is "CRANKING" (At engine cranking)	DEF
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 		M

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER : CONSULT-III Function (BCM - REAR DEFOGGER)

INFOID:0000000005589230

Data monitor

Monitor Item	Description
REAR DEF SW	<ul style="list-style-type: none"> • Without navigation: Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch • With navigation: This is displayed even when it is not equipped
PUSH SW	Indicates [ON/OFF] condition of push switch

ACTIVE TEST

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

Test Item	Description
REAR DEFOGGER	This test is able to check rear window defogger operation. Rear window defogger operates when "ON" on CONSULT-III screen is touched

DTC/CIRCUIT DIAGNOSIS**POWER SUPPLY AND GROUND CIRCUIT****BCM****BCM : Diagnosis Procedure**

INFOID:000000005569355

1.CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

Signal name	Fuse and fusible link No.
Battery power supply	K
	10

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connectors.
3. Check voltage between BCM harness connector and ground.

Terminals		Voltage (Approx.)
(+)	(-)	
BCM		Ground Battery voltage
Connector	Terminal	
M118	1	
M119	11	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

REAR WINDOW DEFOGGER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER SWITCH WITH NAVIGATION

WITH NAVIGATION : Description

INFOID:000000005238135

- The rear window defogger or door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the rear window defogger illuminates when the rear window defogger or door mirror defogger (with mirror defogger) are operating.

WITH NAVIGATION : Component Function Check

INFOID:000000005238136

1.CHECK FUNCTION

Check that the indicator lamp of rear window defogger illuminates when rear window defogger switch is ON.

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-98, "WITH NAVIGATION : Diagnosis Procedure"](#)

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000005238137

1.CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate. Refer to [AV-13, "Diagnosis Description"](#) (Base audio) or [AV-220, "Description"](#) (Bose audio).

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair or replace the malfunctioning parts.

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Description

INFOID:000000005238138

- The rear window defogger or door mirror defogger (with mirror defogger) are operated by turning the rear window defogger switch ON.
- The indicator lamp in the rear window defogger illuminates when the rear window defogger or door mirror defogger (with mirror defogger) are operating.

WITHOUT NAVIGATION : Component Function Check

INFOID:000000005238139

1.CHECK FUNCTION

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" or "BCM" using CONSULT-III.
3. Select "REAR DEF SW" in "DATA MONITOR" mode.
4. Check that the function operates normally according to the following conditions.

Monitor item	Condition		Status
REAR DEF SW	Rear window defogger switch	ON	On
		OFF	Off

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
NO >> Refer to [DEF-98, "WITHOUT NAVIGATION : Diagnosis Procedure"](#)

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000005238140

1.CHECK A/C CONTROL (REAR WINDOW DEFOGGER SWITCH)

Check A/C control system.

Refer to [HAC-5, "Work Flow"](#).

REAR WINDOW DEFOGGER SWITCH

[ROADSTER]

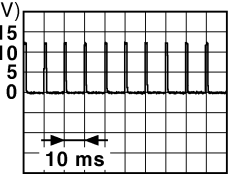
< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace the malfunctioning parts.

2.CHECK BCM OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect A/C auto amp. connector.
3. Turn ignition switch ON.
4. Check signal between A/C auto amp. harness connector and ground with oscilloscope.

(+)		(-)	Signal (Reference value)
A/C auto amp.			
Connector	Terminal		
M66	27	Ground	<div><div>(V)</div><div></div><div>10 ms</div></div> <div>JPMIA0012GB</div>

Is the inspection result normal?

- YES >> Replace A/C auto amp. Refer to [HAC-87, "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#).
NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector.
3. Check continuity between BCM harness connector and A/C auto amp. connector.

BCM		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M123	130	M66	27	Existed

4. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	130		Not existed

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-92, "Removal and Installation"](#).
NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER RELAY

Description

INFOID:000000005238141

- Operates the door mirror defogger (with door mirror defogger) with the control signal from BCM.
- Power is supplied to the soft top control unit (rear window defogger) with the control signal from BCM.

Component Function Check

INFOID:000000005238142

1.CHECK FUNCTION

④ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

YES >> Rear window defogger relay power supply circuit function is OK.

NO >> Refer to [DEF-100, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005238143

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.3, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

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

2.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 1

1. Turn ignition switch ON.
2. Check voltage between BCM harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
BCM					
Connector	Terminal				
M123	151	Ground	Rear window de-fogger switch	ON	0
				OFF	Battery voltage

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER RELAY CIRCUIT 2

1. Turn ignition switch OFF.
2. Disconnect BCM connector and fuse block (J/B).
3. Check continuity between BCM harness connector and fuse block (J/B) harness connector.

BCM		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M123	151	M2	4B	Existed

4. Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	151		Not existed

REAR WINDOW DEFOGGER RELAY

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace harness.

4.CHECK REAR WINDOW DEFOGGER RELAY

1. Disconnect rear window defogger relay,
2. Check rear window defogger relay.

Refer to [DEF-101. "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Replace rear window defogger relay.

5.CHECK FUSE BLOCK (J/B)

1. Install the rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Voltage (V) (Approx.)
Fuse block (J/B)			
Connector	Terminal		
M2	4B	Ground	Battery voltage

Is the inspection result normal?

- YES >> GO TO 6.
NO >> Repair or replace fuse block (J/B).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39. "Intermittent Incident"](#)

>> INSPECTION END

Component Inspection

INFOID:000000005238144

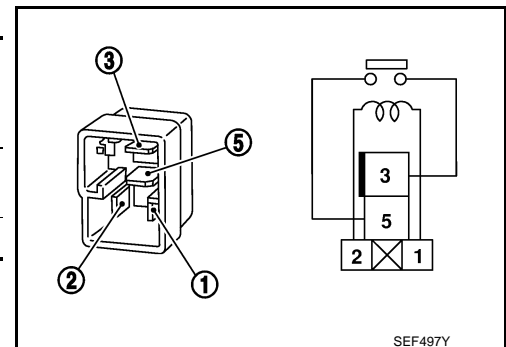
1.CHECK REAR WINDOW DEFOGGER RELAY

1. Turn ignition switch OFF.
2. Disconnect rear window defogger relay.
3. Check continuity between rear window defogger relay terminals.

Terminal		Condition	Continuity
Rear window defogger relay			
3	5	12 V direct current supply between terminals 1 and 2	Existed
		No current supply	Not existed

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Replace rear window defogger relay.



SEF497Y

SOFT TOP CONTROL UNIT

Description

INFOID:000000005569183

Soft top control unit detects roof state and controls rear defogger.

Component Function Check

INFOID:000000005569184

1.CHECK REAR WINDOW DEFOGGER

 With CONSULT-III

1. Turn ignition switch ON and soft top fully close.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

YES >> Soft top control unit is OK.

NO >> Refer to [DEF-102, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569185

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check the following.
 - 20A fuse [No.14, located in fuse block (J/B)]
 - 20A fuse [No.15, located in fuse block (J/B)]

Is the inspection result normal?

YES >> GO TO 2.

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

2.CHECK SOFT TOP CONTROL UNIT CIRCUIT

1. Disconnect soft top control unit connector and fuse block (J/B) connector.
2. Check continuity between soft top control unit and fuse block (J/B) harness connector.

Fuse block (J/B)		Soft top control unit		Continuity
Connector	Terminal	Connector	Terminal	
B6	10G	B304	49	Existed
	11G		48	

3. Check continuity between soft top control unit and ground.

Soft top control unit		Ground	Continuity
Connector	Terminal		
B304	49		Not existed
	48		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness and ground.

3.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

SOFT TOP CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

(+)Fuse block (J/B)		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
B6	10G	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0
	11G			ON	Battery voltage
				OFF	0

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace fuse block (J/B).

4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39. "Intermittent Incident"](#).

>> INSPECTION END.

DEF

REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER

Description

INFOID:000000005238145

Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

Component Function Check

INFOID:000000005238146

1.CHECK REAR WINDOW DEFOGGER

Ⓔ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger is OK.
NO >> Refer to [DEF-104, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005238147

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON and soft top fully close.
2. Check voltage between rear window defogger harness connector and ground.

(+) Rear window defogger		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
B311	1	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

2.CHECK REAR WINDOW DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect soft top control unit connector.
3. Check continuity between soft top control unit harness connector and rear window defogger harness connector.

Soft top control unit		Rear window defogger		Continuity
Connector	Terminal	Connector	Terminal	
B307	104	B311	1	Existed
	111			

4. Check continuity between soft top control unit harness connector and ground.

Soft top control unit		Ground	Continuity
Connector	Terminal		
B307	104		Not existed
	111		

Is the inspection result normal?

- YES >> Replace soft top control unit. Refer to [RF-238, "Removal and Installation"](#).
NO >> Repair or replace harness.

REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear window defogger connector.
3. Check continuity between rear window defogger harness connector and ground.

Rear window defogger		Ground	Continuity
Connector	Terminal		
B318	2		Existed

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace harness.

4.CHECK FILAMENT

Check filament.

Refer to [DEF-105, "Component Inspection"](#)

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Repair or replace filament. Refer to [DEF-181, "Inspection and Repair"](#).

5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#)

>> INSPECTION END

Component Inspection

INFOID:0000000005238148

1.CHECK FILAMENT

Check the filament for damage.

Refer to [DEF-181, "Inspection and Repair"](#)

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair filament.

DEF

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER ON SIGNAL

Description

INFOID:000000005238149

Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

Component Function Check

INFOID:000000005238150

1.CHECK FUNCTION

Check that the indicator lamps of rear window defogger switch are illuminated when turning the rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger ON signal function is OK.
NO >> Refer to [DEF-106, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000005238151

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP ON SIGNAL

1. Turn ignition switch ON.
2. Check voltage between A/C auto amp. harness connector ground.

(+) A/C auto amp.		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
M66	26	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> Replace A/C auto amp. Refer to [HAC-87, "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#).
NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER INDICATOR LAMP CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector and A/C auto amp. connector.
3. Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

Fuse block (J/B)		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M3	9C	M66	26	Existed

4. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	9C		Not existed

Is the inspection result normal?

- YES >> Repair or replace fuse block (J/B).
NO >> Repair or replace harness.

DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DOOR MIRROR DEFOGGER

Description

INFOID:0000000005569168

Power is supplied to the door mirror defogger with BCM control.

Component Function Check

INFOID:0000000005569169

1.CHECK DOOR MIRROR DEFOGGER

ⓘ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that both side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.
NO >> Refer to [DEF-107. "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:0000000005569170

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check the following.
 - 10A fuse (No.13, located in fuse block (J/B))

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

2.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Fuse block (J/B)					
Connector	Terminal				
M3	9C	Ground	Rear window de-fogger switch	ON	Battery voltage
				OFF	0
	10C			ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> INSPECTION END.
NO >> Replace fuse block (J/B).

DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DRIVER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000005569171

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

INFOID:000000005569172

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Ⓔ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the driver side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Driver side door mirror defogger is OK.
NO >> Refer to [DEF-108, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569173

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (driver side) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Door mirror (driver side)					
Connector	Terminal				
D3	4	Ground	Rear window de-fogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

2.CHECK FUSE BLOCK (J/B) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Turn ignition switch ON.
4. Check voltage between fuse block (J/B) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Fuse block (J/B)					
Connector	Terminal				
M3	10C	Ground	Rear window de-fogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace fuse block (J/B).

3.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.

DRIVER SIDE DOOR MIRROR DEFOGGER

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

Fuse block (J/B)		Door mirror (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	10C	D3	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	10C	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (driver side) harness connector and ground.

Door mirror (driver side)		Ground	Continuity
Connector	Terminal		
D3	8	Ground	Existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-109, "Component Inspection"](#)

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (driver side). Refer to [GW-20, "Removal and Installation"](#).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END.

Component Inspection

INFOID:000000005569174

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Check continuity between door mirror terminals.

Door mirror (driver side)			Continuity
Connector	Terminal		
D3	4	8	Existed

Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace door mirror (driver side). Refer to [GW-20, "Removal and Installation"](#).

PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

PASSENGER SIDE DOOR MIRROR DEFOGGER

Description

INFOID:000000005569175

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

INFOID:000000005569176

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

Ⓔ With CONSULT-III

1. Turn ignition switch ON.
2. Select "REAR DEFOGGER" of "BCM" using CONSULT-III.
3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
4. Touch "ON".
5. Check that the passenger side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Passenger side door mirror defogger is OK.
NO >> Refer to [DEF-110, "Diagnosis Procedure"](#)

Diagnosis Procedure

INFOID:000000005569177

1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (passenger side) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Door mirror (Passenger side)					
Connector	Terminal				
D33	4	Ground	Rear window de-fogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

2.CHECK FUSE BLOCK (J/B) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Turn ignition switch ON.
4. Check voltage between fuse block (J/B) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Fuse block (J/B)					
Connector	Terminal				
M3	9C	Ground	Rear window de-fogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace fuse block (J/B).

3.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.

PASSENGER SIDE DOOR MIRROR DEFOGGER

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between fuse block (J/B) harness connector and door mirror (passenger side) harness connector.

Fuse block (J/B)		Door mirror (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	9C	D33	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	9C	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (passenger side) harness connector and ground.

Door mirror (passenger side)		Ground	Continuity
Connector	Terminal		
D33	8	Ground	Existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

Check passenger side door mirror defogger.

Refer to [DEF-111, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (passenger side). Refer to [GW-20, "Removal and Installation"](#).

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END.

Component Inspection

INFOID:000000005569178

1.CHECK PASSENGER DOOR MIRROR DEFOGGER

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Check continuity between door mirror terminals.

Door mirror (passenger side)			Continuity
Connector	Terminal		
D33	4	8	Existed

Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace door mirror (passenger side). Refer to [GW-20, "Removal and Installation"](#).

REAR WINDOW DEFOGGER SYSTEM

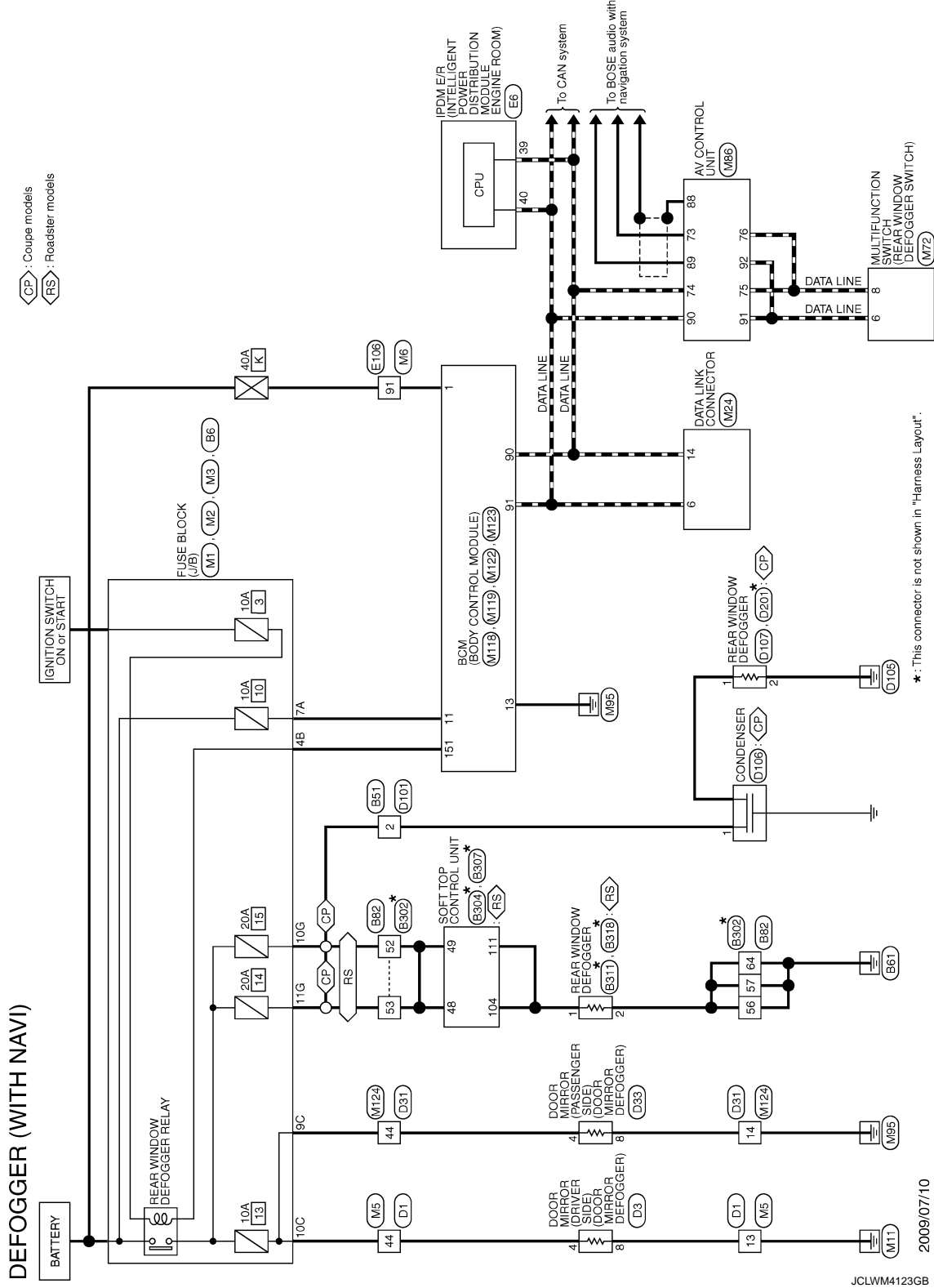
< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER SYSTEM

Wiring Diagram - DEFOGGER (WITH NAVI) -

INFOID:000000005238152



REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



5G	4G	3G	2G	1G
12G	1G	1G	9G	8G
7G	6G			

Terminal No.	Color of Wire	Signal Name [Specification]
5G	LG	—
10G	W	— [Course models]
10G	P	— [Roadster models]
11G	W	— [Course models]
11G	G	— [Roadster models]
12G	Y	—



Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC

1	2
3	4

Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	—
4	B	—



Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

57	56	55	54	53	52	51
86	85	84	83	82	81	80
59	58					

Terminal No.	Color of Wire	Signal Name [Specification]
52	P	—
53	G	—
55	R	—
56	B	—
57	B	—
58	Y	—
59	B	—
60	LG	—
61	L	—
62	L	—
63	L	—
64	B	—
65	Y	—
66	Y	—

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



51	52	53	54	55	56	57
58	59	60	61	62	63	64
65	66					

Terminal No.	Color of Wire	Signal Name [Specification]
52	R	—
53	R	—
55	V	—
56	B	—
57	B	—
58	SB	—
59	DG	—
60	DG	—
61	R	—
62	R	—
63	R	—
64	B	—
65	R	—
66	R	—

Connector No.	B304
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS12FW-CS



48	49	50	51	52
41	42	43	44	45
46	47			

Terminal No.	Color of Wire	Signal Name [Specification]
41	DG	TRUNK OPENER ACTUATOR
48	R	REAR WINDOW DEF IN 2
48	R	REAR WINDOW DEF IN 1

Connector No.	B307
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS16FW-CS



103	103	107	108	103	110	111
96	97	98	99	100	101	102
103	104					

Terminal No.	Color of Wire	Signal Name [Specification]
96	W	SWITCHING VALVE 4
97	LG	SWITCHING VALVE 3
98	L	SWITCHING VALVE 2
99	O	SWITCHING VALVE 1
100	BR	HYDRAULIC PUMP RELAY 2 +
101	SB	HYDRAULIC PUMP RELAY 1 +
102	P	SWITCHING VALVE 5
103	B	HYDRAULIC UNIT GND
104	R	REAR WINDOW DEF OUT 2
111	R	REAR WINDOW DEF OUT 1

Connector No.	B311
Connector Name	REAR WINDOW DEFOGGER
Connector Type	—



1

Terminal No.	Color of Wire	Signal Name [Specification]
1	—	—

Connector No.	B318
Connector Name	REAR WINDOW DEFOGGER
Connector Type	—



2

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

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

HS

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



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	-
8	Y	-
9	G	-
10	BG	- [Coupe models]
11	O	- [Roadster models]
12	P	- [With BOSE system]
13	V	- [Without BOSE system]
14	L	-
15	B	-
16	SB	- [Coupe models]
17	W	- [Roadster models]
18	Y	-
19	G	-
20	R	-
21	L	-
22	B	-
23	SB	-
24	W	-
25	LG	-
26	R	-
27	V	-
28	BG	- [Coupe models]
29	O	- [Roadster models]
30	GR	-
31	G	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH40MW-NH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425
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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

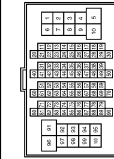
DEFOGGER (WITH NAVI)

Connector No.	E6
Connector Name	NAVIGATOR INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08PW-NH



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	-

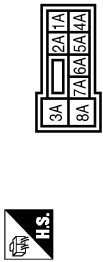
Connector No.	E106
Connector Name	WIRE TO WIPE
Connector Type	TH08PW-CS16-TM4



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	-

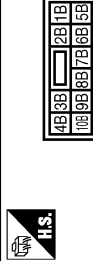
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roadster models]
31	L	-
32	Y	-
33	P	-
34	L	-
35	BR	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	R	- [Roadster models with M/T]
44	GR	- [Except for roadster models with M/T]
45	BG	-
45	O	- [Coupe models]
45	W	- [Roadster models]
46	W	-
47	P	-
58	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	-
100	BG	- [Coupe models]
100	O	- [Roadster models]

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08PW-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.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	Y	-
2B	P	-
3B	G	-
4B	O	-
5B	Y	-
6B	R	-
7B	SB	-
8B	R	-
9B	SB	-
10B	SB	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
8C	R	- [Coupe models]
8C	O	- [Roadster models]
10C	L	-
11C	LG	-
12C	O	-

JCLWM4126GB

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS15



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

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]
50	W	- [Except for roadster models with M/T]
51	R	-
52	L	-
53	W	-
54	G	-
55	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS18-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
3	V	-
91	W	-
92	P	-

1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	L	- [Coupe models]
11	GR	- [Roadster models]
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	Y	- [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	-
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	GR	-
97	GR	-
98	O	-
99	W	-
100	R	-

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



1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

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.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



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

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]
8	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.	M86
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



		64	65		67	68		71	72	73	74	75	76	
		79	80	81	82	83	84		87	88	89	90	91	92

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 (P-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)

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITH NAVI)

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



1	2
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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



4	5	8	9
11	13	14	15
17	18	19	

Terminal No.	Color of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	SUPER LOCK OUTPUT [Coupe models]
8	V	SUPER LOCK OUTPUT [Roadster models]
9	G	ALL DOOR FUEL LID LOCK OUTPUT
11	BR	DRIVER DOOR FUEL LID UNLOCK OUTPUT - 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



91	90	89	88	87				83	82	81	80	79	78	77	76	75	74	73	72	
111	110	109	108	107	106	105		103	102	101	100	99	98	97	96	95			93	92

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 COM1 [Roadster models with M/T]
83	Y	KYLS ENT RECEIVER FRONT COM1 [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

150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197</
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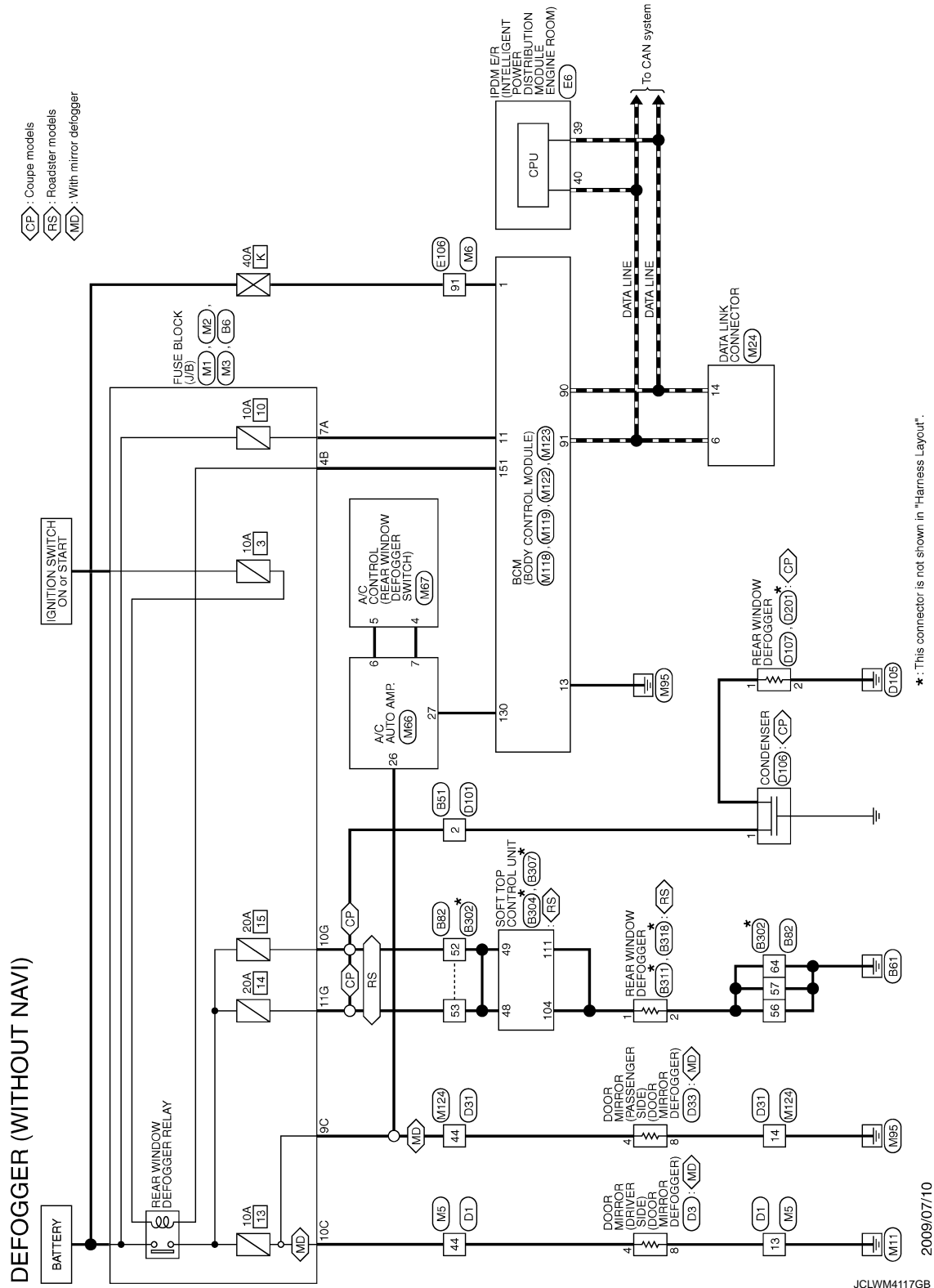
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

Wiring Diagram - DEFOGGER (WITHOUT NAVI) -

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REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



5G	4G	3G	2G	1G
12G	1G	1G	9G	8G
7G	6G			

Terminal No.	Color of Wire	Signal Name [Specification]
5G	LG	—
10G	W	— [Course models]
10G	P	— [Roadster models]
11G	W	— [Course models]
11G	G	— [Roadster models]
12G	Y	—

Connector No.	B51
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC



1	2
3	4

Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	—
4	B	—

Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



57	56	55	54	53	52	51
56	63	64	63	62	61	60
59	58					

Terminal No.	Color of Wire	Signal Name [Specification]
52	P	—
53	G	—
55	R	—
56	B	—
57	B	—
58	Y	—
59	B	—
60	LG	—
61	L	—
62	L	—
63	L	—
64	B	—
65	Y	—
66	Y	—

Connector No.	B302
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



51	52	53	54	55	56	57
58	59	60	61	62	63	64
65	66					

Terminal No.	Color of Wire	Signal Name [Specification]
52	R	—
53	R	—
55	V	—
56	B	—
57	B	—
58	SB	—
59	DG	—
60	DG	—
61	R	—
62	R	—
63	R	—
64	B	—
65	R	—
66	R	—

Connector No.	B304
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS12FW-CS



48	49	50	51	52
41	42	43	44	45
46	47			

Terminal No.	Color of Wire	Signal Name [Specification]
41	DG	TRUNK OPENER ACTUATOR
48	R	REAR WINDOW DEF IN 2
48	R	REAR WINDOW DEF IN 1

Connector No.	B307
Connector Name	SOFT TOP CONTROL UNIT
Connector Type	NS16FW-CS



103	103	107	108	103	110	111
96	97	98	99	100	101	102
103	104					

Terminal No.	Color of Wire	Signal Name [Specification]
96	W	SWITCHING VALVE 4
97	LG	SWITCHING VALVE 3
98	L	SWITCHING VALVE 2
99	O	SWITCHING VALVE 1
100	BR	HYDRAULIC PUMP RELAY 2 +
101	SB	HYDRAULIC PUMP RELAY 1 +
102	P	SWITCHING VALVE 5
103	B	HYDRAULIC UNIT GND
104	R	REAR WINDOW DEF OUT 2
111	R	REAR WINDOW DEF OUT 1

Connector No.	B311
Connector Name	REAR WINDOW DEFOGGER
Connector Type	—



1

Terminal No.	Color of Wire	Signal Name [Specification]
1	—	—

Connector No.	B318
Connector Name	REAR WINDOW DEFOGGER
Connector Type	—



2

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

JCLWM4118GB

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

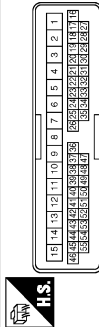
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

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



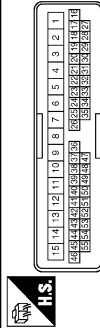
Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	-
8	Y	-
9	G	-
10	BG	- [Coupe models]
11	O	- [Roadster models]
12	P	- [With BOSE system]
13	V	- [Without BOSE system]
14	L	-
15	B	-
16	SB	- [Coupe models]
17	Y	- [Roadster models]
18	W	-
19	G	-
20	R	-
21	L	-
22	B	-
23	SB	-
24	W	-
25	LG	-
26	R	-
27	V	-
28	BG	- [Coupe models]
29	O	- [Roadster models]
30	GR	-
31	G	-

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH40MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	L	-
3	Y	-
4	L	-
8	B	-

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]
13	V	- [Without BOSE system]
14	B	-
15	W	-
16	P	-
17	L	-
18	L	-
19	L	-
20	Y	-
21	Y	-
22	G	-
23	BG	- [Coupe models]
24	O	- [Roadster models]
25	GR	-

55	L	-
----	---	---

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH40MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	- [Coupe models]
2	O	- [Roadster models]
3	GR	-
4	L	-
8	B	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	MD4FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-
4	B	-

Connector No.	D106
Connector Name	CONDENSER
Connector Type	MD1FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	D107
Connector Name	REAR WINDOW DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	D201
Connector Name	REAR WINDOW DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-

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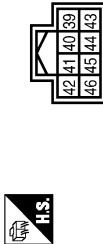
REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

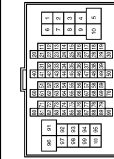
DEFOGGER (WITHOUT NAVI)

Connector No.	E6
Connector Name	SWAY & INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-NH



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	-

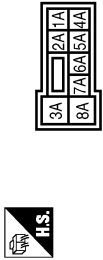
Connector No.	E106
Connector Name	WIRE TO WIPE
Connector Type	TH08FW-CS16-TM4



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	-

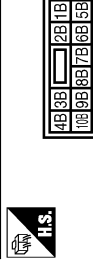
20	LG	-
21	BR	- [Coupe models]
21	G	- [Roadster models]
31	L	-
32	Y	-
33	P	-
34	L	-
35	BR	-
36	V	-
37	Y	-
38	R	-
39	B	-
40	W	-
41	LG	-
42	SB	-
43	G	-
44	R	- [Roadster models with M/T]
44	GR	- [Except for roadster models with M/T]
45	BG	-
45	O	- [Coupe models]
45	W	- [Roadster models]
46	W	-
47	P	-
58	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	-
100	BG	- [Coupe models]
100	O	- [Roadster models]

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.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	Y	-
3B	P	-
4B	G	-
5B	O	-
8B	Y	-
8B	R	-
9B	SB	-

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



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	-

JCLWM4120GB

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS15



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

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/B	-
23	L	-
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



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

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/B	-
23	L	-
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	-

1	Y	-
3	L	-
4	L	-
7	B	-
8	P	-
9	B	- [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	Y	- [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	-
87	G	- [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.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

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.	M66
Connector Name	A/C AUTO AMP.
Connector Type	SAB46FW



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX (AMP/CONT)

7	P	RX (CONT/AMP)
10	BR	LAN SIGNAL
11	Y	EACH DOOR MOTOR POWER SUPPLY
15	O	SUNLOAD SENSOR SIGNAL
16	R	INTAKE SENSOR SIGNAL
17	L	ACC POWER SUPPLY
19	B	GROUND
20	G	IGNITION POWER SUPPLY
24	O	ECU SIGNAL
26	R	REAR WINDOW DEFOGGER FEEDBACK SIGNAL
27	L	REAR WINDOW DEFOGGER ON SIGNAL
32	P	BLOWER MOTOR CONTROL SIGNAL
34	G	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
35	V	AMBIENT SENSOR SIGNAL
36	LG	IN-VEHICLE SENSOR SIGNAL
37	GR	SENSOR GROUND
39	B	GROUND
40	Y	BATTERY POWER SUPPLY

Connector No.	M87
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH



1	2	3	4	5
6				

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

REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DEFOGGER (WITHOUT NAVI)

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]
6	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]
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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 COM1 [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER FRONT COM2 [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

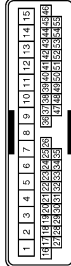
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



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	POWER WINDOW SW ILL POWER [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	-

JCLWM4122GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000005569356

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT	Off
	Front wiper switch INT	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
	Lighting switch AUTO	On
FR FOG SW	NOTE: The item is indicated, but not monitored.	Off
RR FOG SW	Rear fog lamp switch OFF	Off
	Rear fog lamp switch ON	On
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On
DOOR SW-RR	NOTE: The item is indicated, but not monitored.	Off

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition	Value/Status
DOOR SW-RL	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-BK	<ul style="list-style-type: none"> Back door closed (Coupe models) Trunk lid closed (Roadster models) 	Off
	<ul style="list-style-type: none"> Back door opened (Coupe models) Trunk lid opened (Roadster models) 	On
CDL LOCK SW	Other than door lock and unlock switch LOCK	Off
	Door lock and unlock switch LOCK	On
CDL UNLOCK SW	Other than door lock and unlock switch UNLOCK	Off
	Door lock and unlock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW NOTE: At models with NAVI this item is not monitored.	Rear window defogger switch OFF	Off
	Rear window defogger switch ON	On
H/L WASH SW	NOTE: The item is indicated, but not monitored.	Off
TR CANCEL SW	Trunk lid opener cancel switch OFF	Off
	Trunk lid opener cancel switch ON	On
TR/BD OPEN SW	<ul style="list-style-type: none"> Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models) 	Off
	<ul style="list-style-type: none"> While the back door opener switch is turned ON (Coupe models) While the trunk lid opener switch is turned ON (Roadster models) 	On
TRNK/HAT MNTR	NOTE: The item is indicated, but not monitored.	Off
RKE-LOCK	LOCK button of the Intelligent Key is not pressed	Off
	LOCK button of the Intelligent Key is pressed	On
RKE-UNLOCK	UNLOCK button of the Intelligent Key is not pressed	Off
	UNLOCK button of the Intelligent Key is pressed	On
RKE-TR/BD NOTE: At Coupe models this item is not monitored.	TRUNK OPEN button of the Intelligent Key is not pressed	Off
	TRUNK OPEN of the Intelligent Key is pressed	On
RKE-PANIC	PANIC button of the Intelligent Key is not pressed	Off
	PANIC button of the Intelligent Key is pressed	On
RKE-P/W OPEN	UNLOCK button of the Intelligent Key is not pressed	Off
	UNLOCK button of the Intelligent Key is pressed and held	On
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off
	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition	Value/Status
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V
	Dark outside of the vehicle	Close to 0 V
REQ SW -DR	Driver door request switch is not pressed	Off
	Driver door request switch is pressed	On
REQ SW -AS	Passenger door request switch is not pressed	Off
	Passenger door request switch is pressed	On
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off
REQ SW -BD/TR	<ul style="list-style-type: none"> Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models) 	Off
	<ul style="list-style-type: none"> Back door request switch is pressed (Coupe models) Trunk lid door request switch is pressed (Roadster models) 	On
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off
	Push-button ignition switch (push switch) is pressed	On
IGN RLY2 -F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off
CLUCH SW NOTE: At A/T models this item is not monitored.	The clutch pedal is not depressed	Off
	The clutch pedal is depressed	On
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
BRAKE SW 2	The brake pedal is not depressed	Off
	The brake pedal is depressed	On
DETE/CANCL SW NOTE: At M/T models with SynchroRev Match mode this item is not monitored.	<ul style="list-style-type: none"> Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode) 	Off
	<ul style="list-style-type: none"> Selector lever in any position other than P (A/T models) The clutch pedal is not depressed (M/T models without SynchroRev Match mode) 	On
SFT PN/N SW NOTE: At roadster M/T models and coupe M/T models without SynchroRev Match mode this item is not monitored.	<ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) Control lever in any position other than neutral position (Coupe M/T models with SynchroRev Match mode) 	Off
	<ul style="list-style-type: none"> Selector lever in P or N position (A/T models) Control lever in neutral position (Coupe M/T models with SynchroRev Match mode) 	On
S/L -LOCK	Steering is unlocked	Off
	Steering is locked	On
S/L -UNLOCK	Steering is locked	Off
	Steering is unlocked	On
S/L RELAY-F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
UNLK SEN -DR	Driver door is unlocked	Off
	Driver door is locked	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition	Value/Status	
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	A
	Push-button ignition switch (push-switch) is pressed	On	
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off	B
	Ignition switch in ON position	On	
DETE SW -IPDM	Selector lever in any position other than P	Off	C
	Selector lever in P position	On	
SFT PN -IPDM	<ul style="list-style-type: none"> Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) 	Off	D
	<ul style="list-style-type: none"> Selector lever in P or N position (A/T models) The clutch pedal is depressed (M/T models) 	On	
SFT P -MET	Selector lever in any position other than P	Off	E
	Selector lever in P position	On	
SFT N -MET	Selector lever in any position other than N	Off	F
	Selector lever in N position	On	
ENGINE STATE	Engine stopped	Stop	G
	While the engine stalls	Stall	
	At engine cranking	Crank	
	Engine running	Run	
S/L LOCK-IPDM	Steering is unlocked	Off	H
	Steering is locked	On	
S/L UNLK-IPDM	Steering is locked	Off	I
	Steering is unlocked	On	
S/L RELAY-REQ	Steering lock system is not the LOCK condition and the changing condition from LOCK to UNLOCK	Off	J
	Steering lock system are not the LOCK condition or the changing condition from LOCK to UNLOCK	On	
VEH SPEED 1	While driving	Equivalent to speedometer reading	K
VEH SPEED 2	While driving	Equivalent to speedometer reading	
DOOR STAT-DR	Driver door is locked	LOCK	DEF
	Wait with selective UNLOCK operation (60 seconds)	READY	
	Driver door is unlocked	UNLOCK	
DOOR STAT-AS	Passenger door is locked	LOCK	M
	Wait with selective UNLOCK operation (60 seconds)	READY	
	Passenger door is unlocked	UNLOCK	
ID OK FLAG	Steering is locked	Reset	N
	Steering is unlocked	Set	
PRMT ENG STRT	The engine start is prohibited	Reset	O
	The engine start is permitted	Set	
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset	P
KEY SW -SLOT	The Intelligent Key is not inserted into key slot	Off	
	The Intelligent Key is inserted into key slot	On	
RKE OPE COUN1	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition	Value/Status
RKE OPE COUN2	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key
CONFIRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by any key ID registered to BCM.	Done
CONFIRM ID4	The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the fourth key ID registered to BCM.	Done
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
	The ID of fourth Intelligent Key is registered to BCM	Done
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet
	The ID of third Intelligent Key is registered to BCM	Done
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet
	The ID of second Intelligent Key is registered to BCM	Done
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet
	The ID of first Intelligent Key is registered to BCM	Done
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire
ID REGST FL1	ID of front LH tire transmitter is registered	Done
	ID of front LH tire transmitter is not registered	Yet
ID REGST FR1	ID of front RH tire transmitter is registered	Done
	ID of front RH tire transmitter is not registered	Yet
ID REGST RR1	ID of rear RH tire transmitter is registered	Done
	ID of rear RH tire transmitter is not registered	Yet
ID REGST RL1	ID of rear LH tire transmitter is registered	Done
	ID of rear LH tire transmitter is not registered	Yet
WARNING LAMP	Tire pressure indicator OFF	Off
	Tire pressure indicator ON	On

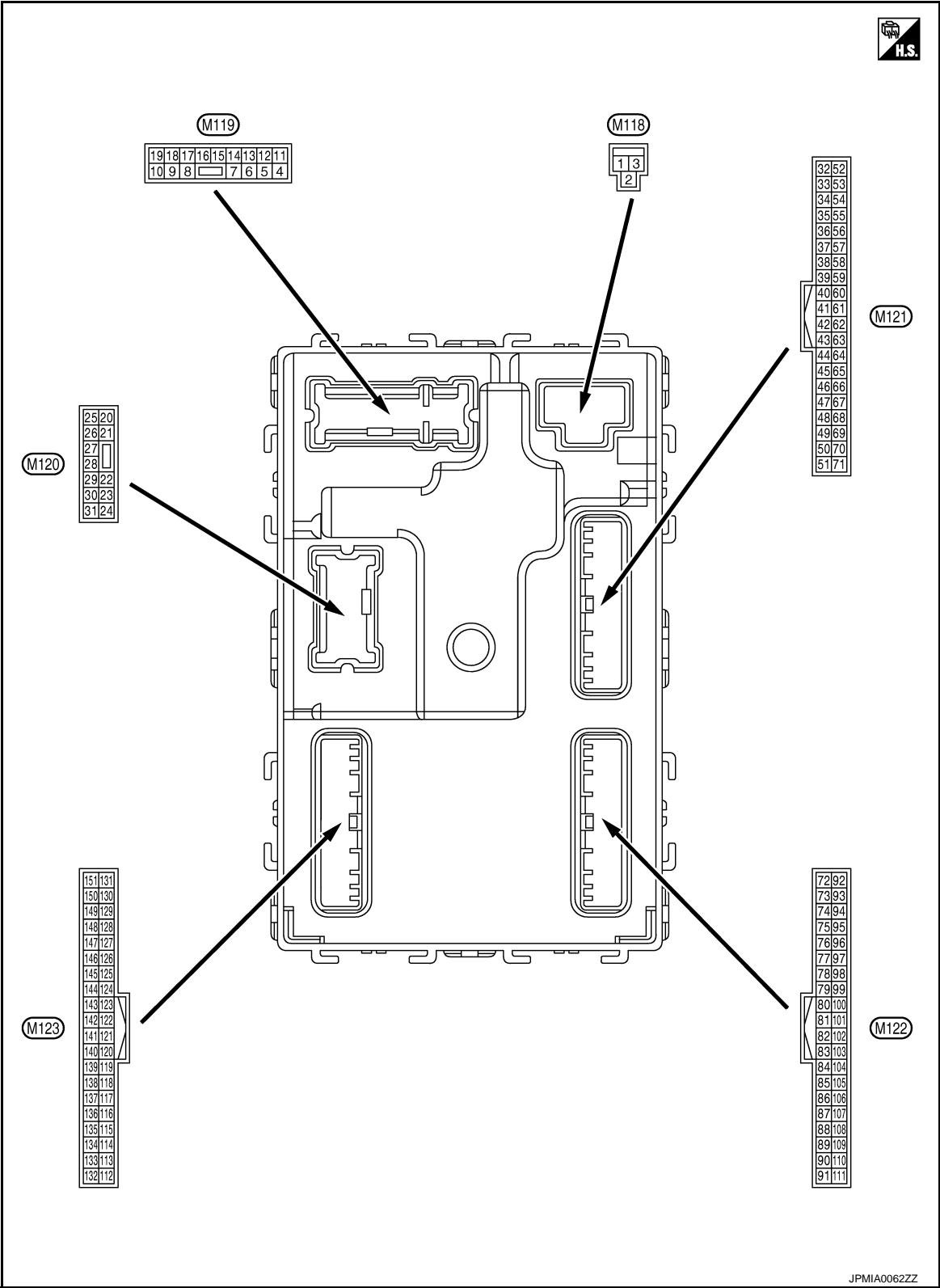
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition	Value/Status
BUZZER	Tire pressure warning alarm is not sounding	Off
	Tire pressure warning alarm is sounding	On

TERMINAL LAYOUT

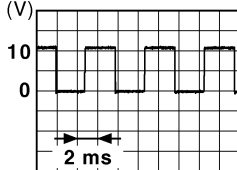


PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

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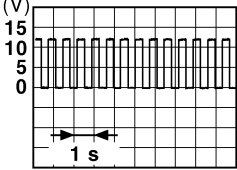
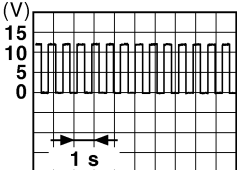
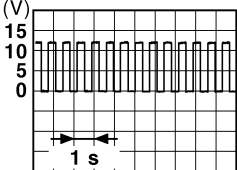
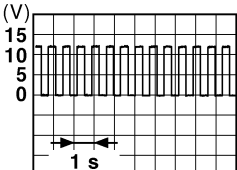
[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		12 V
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		12 V
4 (R)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		12 V
5 (G)*1 (V)*2	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors, fuel lid	LOCK (Actuator is activated)	12 V
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door, fuel lid	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
11 (BR)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (R)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p>NOTE: When the illumination brightening/dimming level is in the neutral position.</p>  <p>JSNIA0010GB</p>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ACC	0 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
17 (W)	Ground	Turn signal RH (Front and side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 PKID0926E 6.5 V
18 (O)	Ground	Turn signal LH (Front and side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 PKID0926E 6.5 V
19 (P)*1 (V)*2	Ground	Room lamp timer control	Output	Interior room lamp	OFF	12 V
					ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 PKID0926E 6.5 V
23 (L)*1 (Y)*2	Ground	Back door/Trunk lid open	Output	Back door/ Trunk lid	OPEN (Back door/Trunk lid open- er actuator is activated)	12 V
					Other than OPEN (Back door/Trunk lid open- er actuator is not activat- ed)	0 V
24 (O)	Ground	Rear fog lamp	Output	Rear fog lamp	OFF	0 V
					ON	12 V
25 (LG)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 PKID0926E 6.5 V

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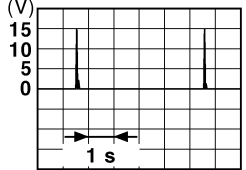
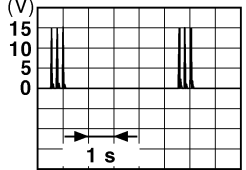
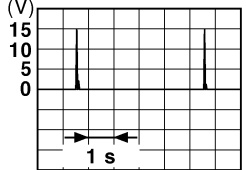
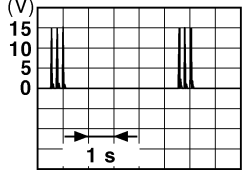
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BCM (BODY CONTROL MODULE)

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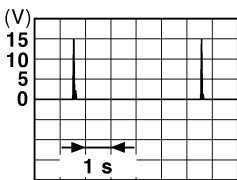
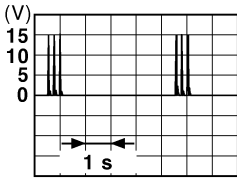
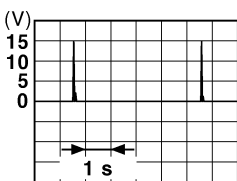
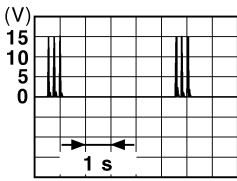
[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
30 (R)	Ground	Luggage room/Trunk room lamp	Output	Luggage room/ Trunk room lamp	ON	0 V
					OFF	12 V
34 (G)*3 (SB)*4	Ground	Luggage room/Trunk room antenna (-)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	 JMKIA0062GB
					When Intelligent Key is not in the passenger compart- ment	 JMKIA0063GB
35 (R)*3 (V)*4	Ground	Luggage room/Trunk room antenna (+)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	 JMKIA0062GB
					When Intelligent Key is not in the passenger compart- ment	 JMKIA0063GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

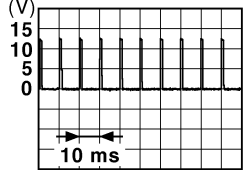
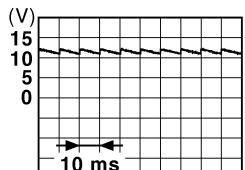
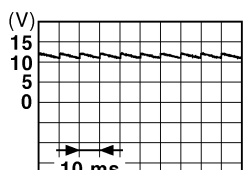
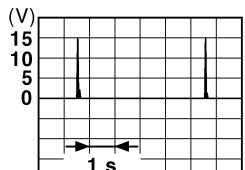
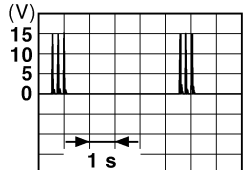
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
38 (B)	Ground	Rear bumper antenna (-)	Output	When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	
				When Intelligent Key is not in the antenna detection area	When Intelligent Key is not in the antenna detection area	
39 (W)	Ground	Rear bumper antenna (+)	Output	When the back door/trunk lid door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	
				When Intelligent Key is not in the antenna detection area	When Intelligent Key is not in the antenna detection area	
47 (V)*3 (Y)*4	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	12 V
					ON	0 V
52 (SB)	Ground	Starter relay control	Output	Ignition switch ON (A/T models)	When selector lever is in P or N position	12 V
					When selector lever is not in P or N position	0 V
				Ignition switch ON (M/T models)	When the clutch pedal is depressed	Battery voltage
					When the clutch pedal is not depressed	0 V

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BCM (BODY CONTROL MODULE)

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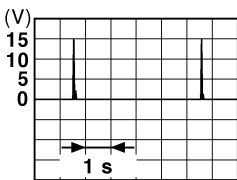
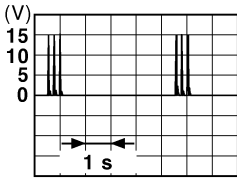
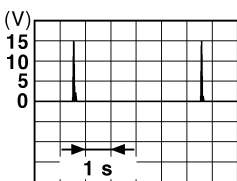
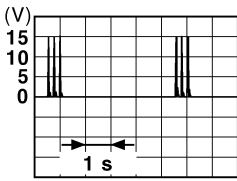
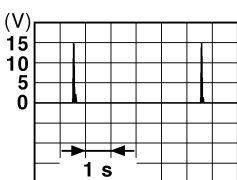
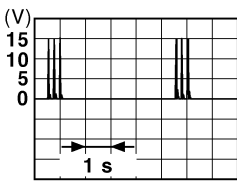
[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
61 (W)	Ground	Back door/Trunk Lid door request switch	Input	Back door/ Trunk lid door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 1.0 V
64 (G)*3 (V)*4	Ground	Intelligent Key warn- ing buzzer	Output	Intelligent Key warning buzzer	Sounding	0 V
					Not sounding	12 V
66 (R)	Ground	Back door/Trunk room lamp switch	Input	Back door/ Trunk room lamp switch	OFF (Door close)	 11.8 V
					ON (Door open)	0 V
67 (GR)	Ground	Back door/Trunk lid opener switch	Input	Back door/ Trunk lid open- er switch	Pressed	0 V
					Not pressed	 11.8 V
72 (L)*3 (R)*4	Ground	Room antenna 2 (-) (Center console)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	
					When Intelligent Key is not in the passenger compart- ment	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
73 (P)*3 (G)*4	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF	 <p>JMKIA0062GB</p>
					 <p>JMKIA0063GB</p>
74 (SB)	Ground	Passenger door an- tenna (-)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
					 <p>JMKIA0063GB</p>
75 (BR)	Ground	Passenger door an- tenna (+)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
					 <p>JMKIA0063GB</p>

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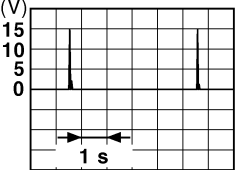
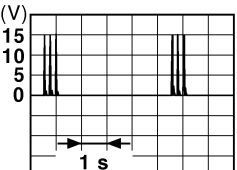
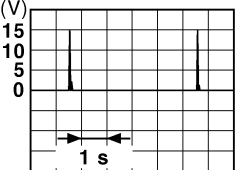
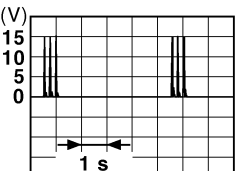
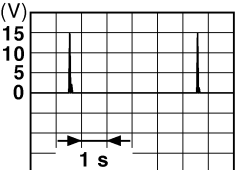
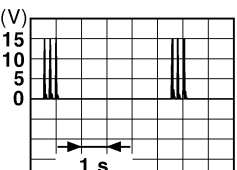
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>
77 (LG)	Ground	Driver door antenna (+)	Output	When Intelligent Key is in the antenna detection area	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>
78 (L)*5 (Y)*6	Ground	Room antenna 1 (-) (Instrument panel)	Output	When Intelligent Key is in the passenger compart- ment	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	 <p>JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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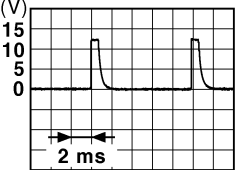


Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
79 (R)* ⁵ (BR)* ⁶	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	<p>JMKIA0062GB</p>
					When Intelligent Key is not in the passenger compart- ment	<p>JMKIA0063GB</p>
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (W)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (R)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
83 (GR)* ³ (Y)* ⁴	Ground	Remote keyless entry receiver (front) com- munication	Input/ Output		During waiting	<p>JMKIA0064GB</p>
					When operating either button on the Intelli- gent Key	<p>JMKIA0065GB</p>

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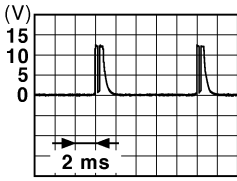
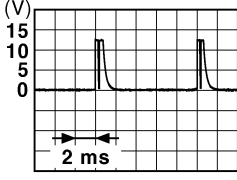
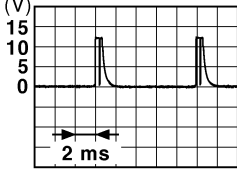
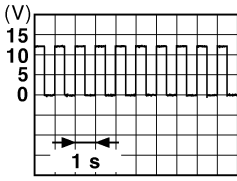
[ROADSTER]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
87 (BR)	Ground	Combination switch INPUT 5	Input	Combination switch	 <p>1.4 V</p>
				Rear fog lamp switch ON (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	 <p>1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 1.4 V
					Lighting switch HI (Wiper intermittent dial 4)	 1.3 V
					Lighting switch 2ND (Wiper intermittent dial 4)	 1.3 V
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 	 1.3 V
89 (BR)	Ground	Push-button ignition switch (Push switch)	Input	Push-button ignition switch (push switch)	Pressed	0 V
					Not pressed	Battery voltage
90 (P)	Ground	CAN-L	Input/ Output	—	—	—
91 (L)	Ground	CAN-H	Input/ Output	—	—	—
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	OFF	0 V
					Blinking	 6.5 V
					ON	12 V

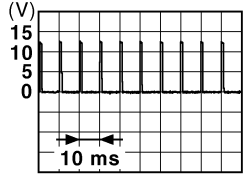
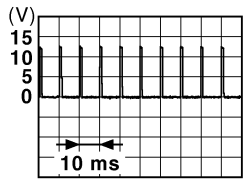
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[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ON	0 V
95 (O)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	12 V
96*5 (Y)	Ground	A/T shift selector (Detention switch) power supply	Output	—		12 V
97 (L)	Ground	Steering lock condition No. 1	Input	Steering lock	LOCK status	0 V
					UNLOCK status	12 V
98 (P)	Ground	Steering lock condition No. 2	Input	Steering lock	LOCK status	12 V
					UNLOCK status	0 V
99*7 (BR)*8 (R)*9	Ground	Selector lever P position switch (A/T models)	Input	Selector lever	P position	0 V
					Any position other than P	12 V
		Clutch pedal position switch (M/T models without SynchroRev Match mode)	Input	Clutch pedal position switch	OFF (Clutch pedal is depressed)	0 V
					ON (Clutch pedal is not depressed)	Battery voltage
100 (GR)*3 (G)*4	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
101 (Y)*3 (SB)*4	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
102 (O)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
103 (LG)	Ground	Remote keyless entry receiver (front) power supply	Output	Ignition switch OFF		12 V
105 (GR)	Ground	Remote keyless entry receiver (rear) power supply	Output	Ignition switch OFF		12 V
106 (W)	Ground	Steering lock unit power supply	Output	Ignition switch	OFF or ACC	12 V
					ON	0 V

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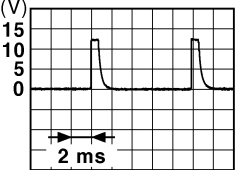

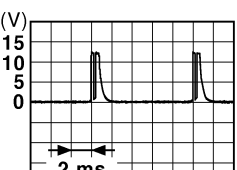
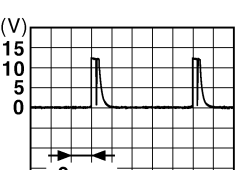
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermit- tent dial 4)	<div> <p>JPMIA0041GB</p> <p>1.4 V</p> </div>
					<div> <p>JPMIA0037GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0036GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0038GB</p> <p>1.3 V</p> </div>
					<div> <p>JPMIA0039GB</p> <p>1.3 V</p> </div>

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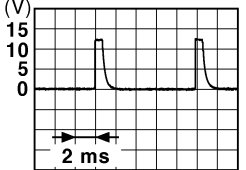

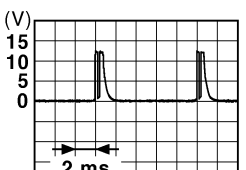


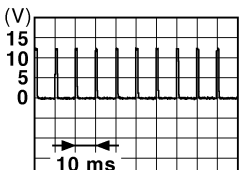
[ROADSTER]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	 <p>1.4 V</p>
				Lighting switch AUTO (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Lighting switch 1ST (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 	 <p>1.3 V</p>

BCM (BODY CONTROL MODULE)

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[ROADSTER]

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	All switches OFF  <small>JPMIA0041GB</small> 1.4 V
					Lighting switch PASS  <small>JPMIA0037GB</small> 1.3 V
					Lighting switch 2ND  <small>JPMIA0036GB</small> 1.3 V
					Front wiper switch INT  <small>JPMIA0038GB</small> 1.3 V
					Front wiper switch HI  <small>JPMIA0040GB</small> 1.3 V
					ON 0 V
110 (P)*3 (G)*4	Ground	Hazard switch	Input	Hazard switch	OFF  <small>JPMIA0012GB</small> 1.1 V

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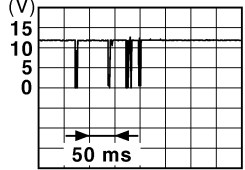
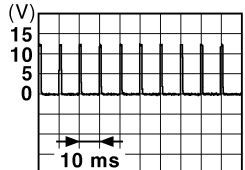
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BCM (BODY CONTROL MODULE)

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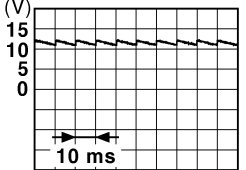
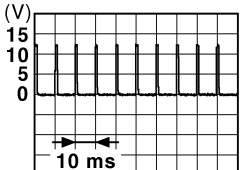
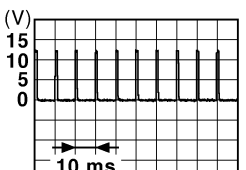
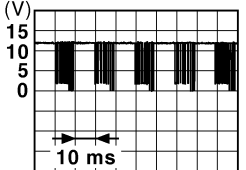
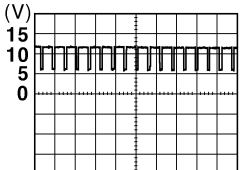
[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
111 (Y)	Ground	Steering lock unit communication	Input/ Output	Steering lock	LOCK status	12 V
					LOCK or UNLOCK	 <p>JMKIA0066GB</p>
					For 15 seconds after UN- LOCK	12 V
					15 seconds or later after UNLOCK	0 V
113 (O)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
114*6 (R)	Ground	Clutch interlock switch	Input	Clutch interlock switch	OFF (Clutch pedal is not depressed)	0 V
					ON (Clutch pedal is de- pressed)	Battery voltage
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (P)	Ground	Stop lamp switch 2	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
119 (SB)	Ground	Driver side door lock assembly (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	 <p>JPMIA0012GB</p>
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (R)	Ground	Key slot switch	Input	When the Intelligent Key is inserted into key slot		12 V
				When the Intelligent Key is not inserted into key slot		0 V
123 (W)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage

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[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	 <p>JPMIA0011GB</p> <p>11.8 V</p>
					ON (Door open)	0 V
129 (O)	Ground	Trunk lid opener can- cel switch	Input	Trunk lid open- er cancel switch	CANCEL	 <p>JPMIA0012GB</p> <p>1.1 V</p>
					ON	0 V
130*10 (L)	Ground	Rear window defog- ger switch	Input	Ignition switch ON	Rear window defogger switch OFF	 <p>JPMIA0012GB</p> <p>1.1 V</p>
					Rear window defogger switch ON	0 V
132 (Y)*1 (V)*2	Ground	Power window switch and soft top control unit communication	Input/ Output	Ignition switch ON		 <p>JPMIA0013GB</p> <p>10.2 V</p>
				Ignition switch OFF or ACC		12 V
133 (G)*3 (R)*4	Ground	Push-button ignition switch illumination	Output		ON (Tail lamps OFF)	9.5 V
				Push-button ig- nition switch il- lumination	ON (Tail lamps ON)	<p>NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.</p>  <p>JPMIA0159GB</p>
					OFF	0 V

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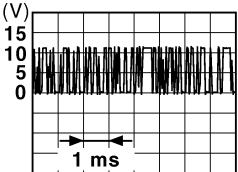
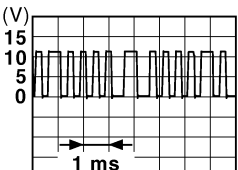
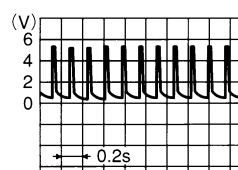
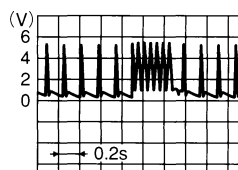
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

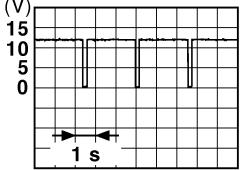



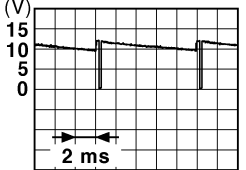
[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	–					
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF	Battery voltage
					ON	0 V
137 (P)*3 (O)*4	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF	0 V
					ACC or ON	5.0 V
139 (L)	Ground	Remote keyless entry receiver and tire pressure receiver communication	Input/ Output	Ignition switch OFF (Remote key-less entry receiver communication)	During waiting	 JMKIA0064GB
					When operating either button on the Intelligent Key	 JMKIA0065GB
				Ignition switch ON (Tire pressure receiver communication)	Standby state	 OCC3881D
					When receiving the signal from the transmitter	 OCC3880D
140*11 (G)	Ground	Selector lever P/N position (A/T models)	Input	Selector lever	P or N position	12 V
		Selector lever		Except P and N positions	0 V	
		Park/neutral position switch (Coupe M/T models with Synchro-Rev Match mode)	Ignition switch ON	Control lever in neutral position	Battery voltage	
				Control lever in any position other than neutral	0 V	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
141 (Y)	Ground	Security indicator lamp	Output	Security indica- tor lamp	ON	0 V
				Blinking		 11.3 V
				OFF		12 V
142 (O)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Lighting switch 1ST	 10.7 V
					Lighting switch HI	
					Lighting switch 2ND	
					Turn signal switch RH	
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
					Front wiper switch HI (Wiper intermittent dial 4)	 10.7 V
					Any of the conditions be- low with all switches OFF	
					<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4)	 10.7 V
					Any of the conditions be- low with all switches OFF	
					<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 	
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front wiper switch INT	 10.7 V
					Front wiper switch LO	
					Lighting switch AUTO	
					Rear fog lamp switch ON	

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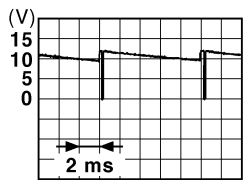
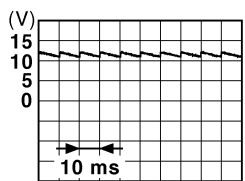
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
						10.7 V
149 (W)	Ground	Tire pressure warning check switch	Input	—		12 V
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	
					ON (Door open)	11.8 V
151 (G)	Ground	Rear window defog- ger relay control	Output	Rear window defogger	Active	0 V
					Not activated	Battery voltage

- *1: Coupe models
- *2: Roadster models
- *3: Except roadster M/T models
- *4: Roadster M/T models
- *5: A/T models
- *6: M/T models
- *7: Except M/T models with SynchroRev Match mode
- *8: Coupe M/T models
- *9: Except coupe models
- *10: Without NAVI
- *11: A/T models or coupe M/T models without SynchroRev Match mode

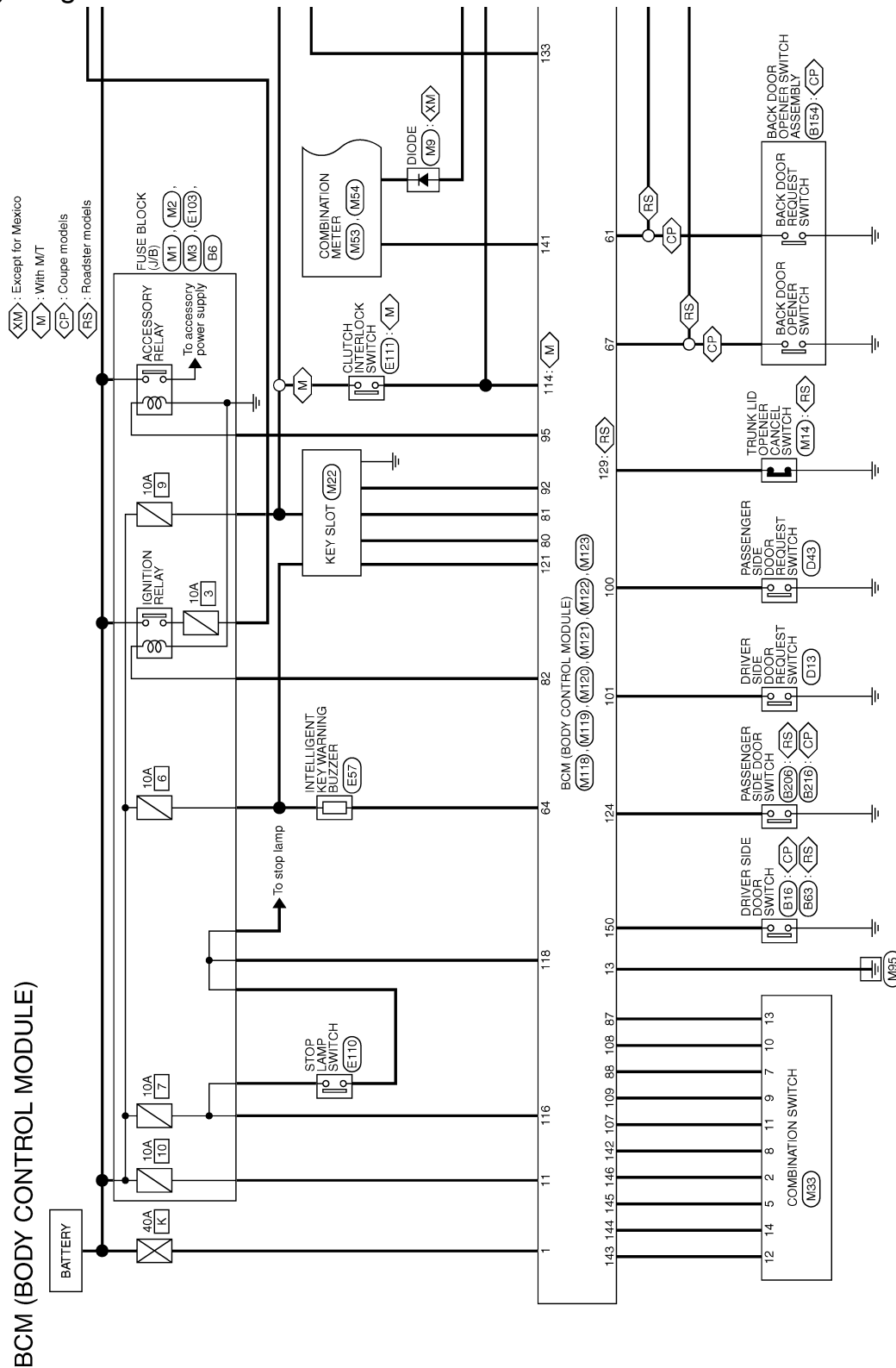
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Wiring Diagram - BCM -

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JCMWM4751GB

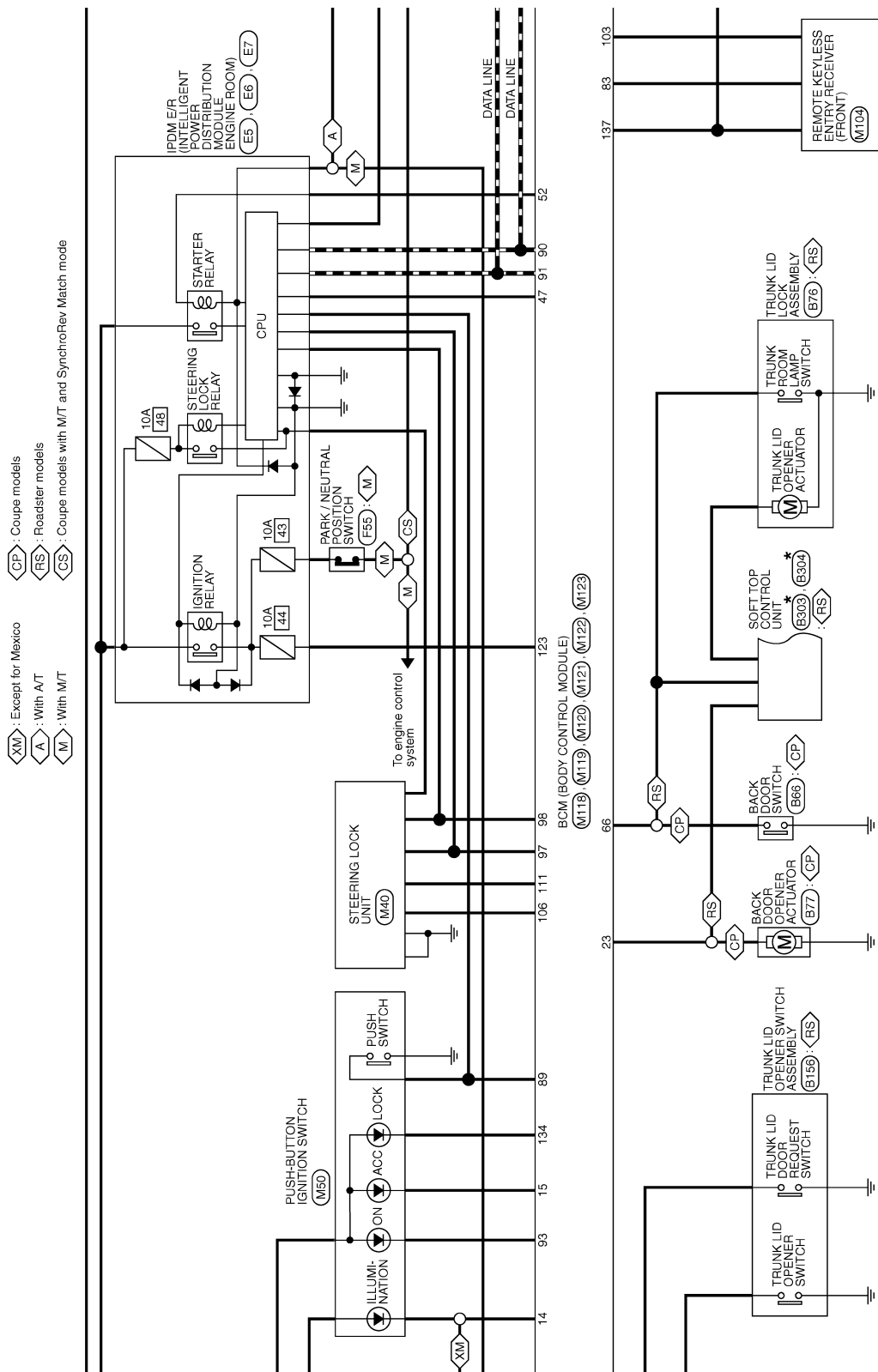
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BCM (BODY CONTROL MODULE)

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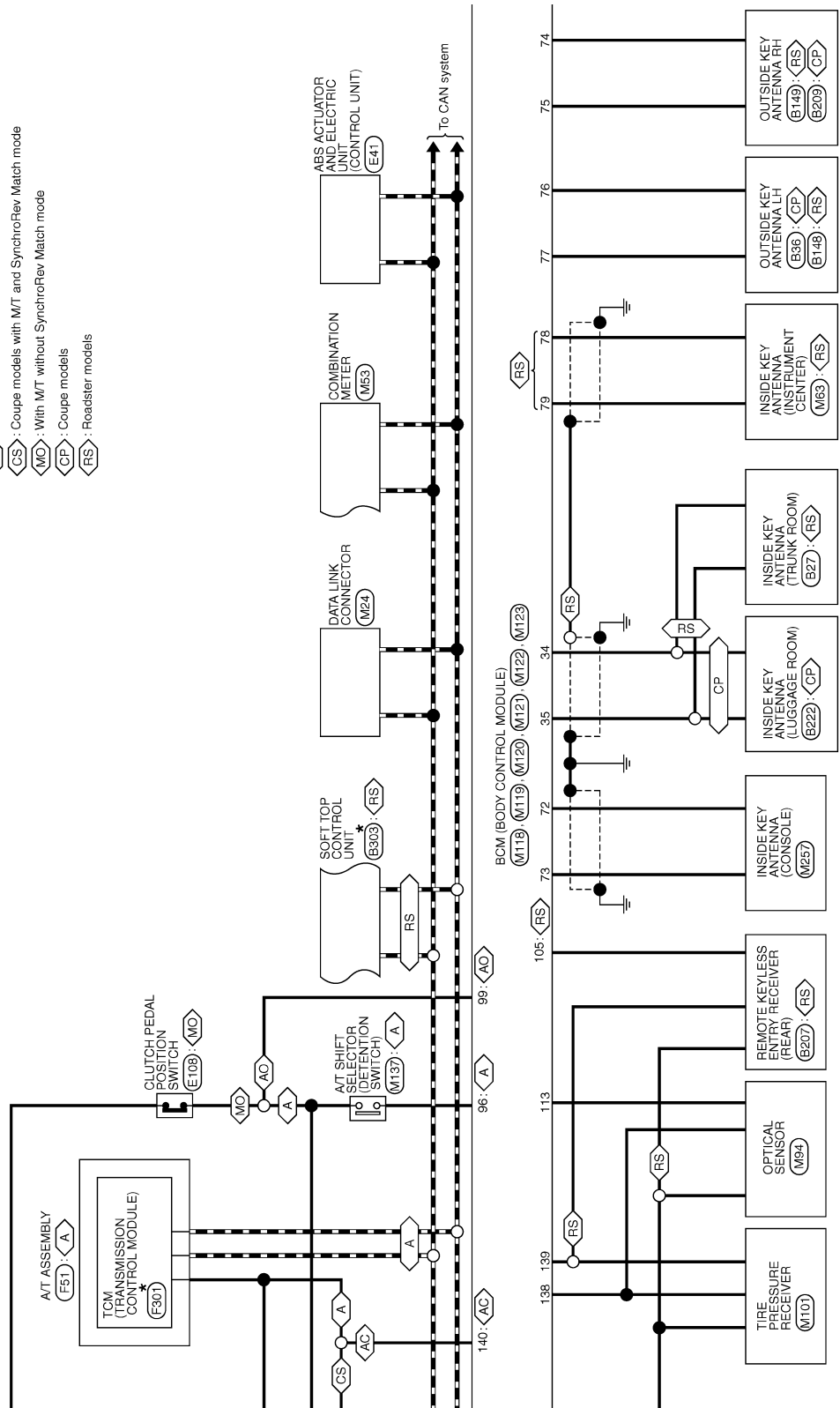
[ROADSTER]



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

JCMWM4752GB

- : With A/T
- : With A/T or coupe models with M/T and SynchroRev Match mode
- : With A/T or with M/T without SynchroRev Match mode
- : Coupe models with M/T and SynchroRev Match mode
- : With M/T without SynchroRev Match mode
- : Coupe models
- : Roadster models



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

JCMWM4753GB

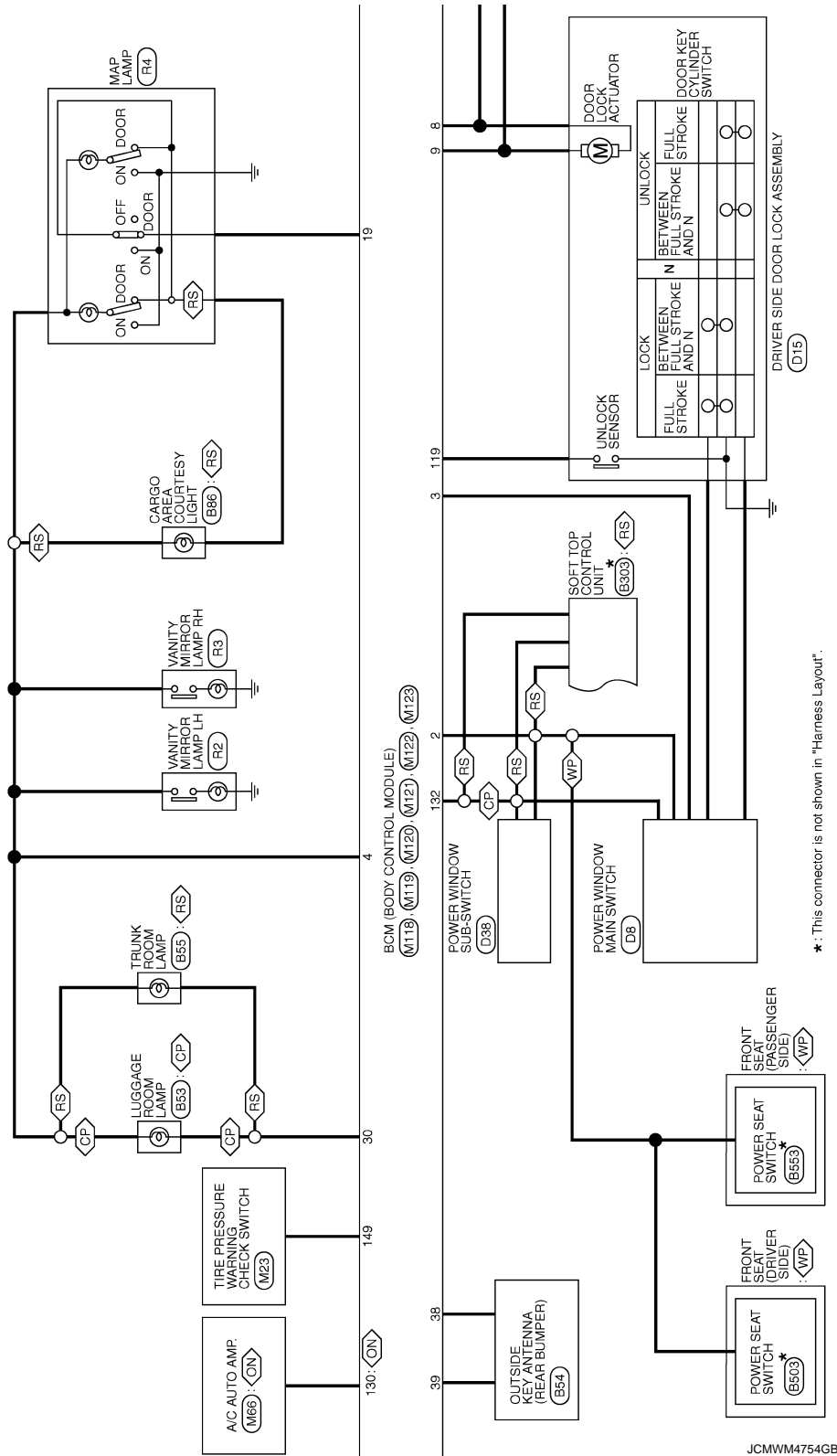
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BCM (BODY CONTROL MODULE)

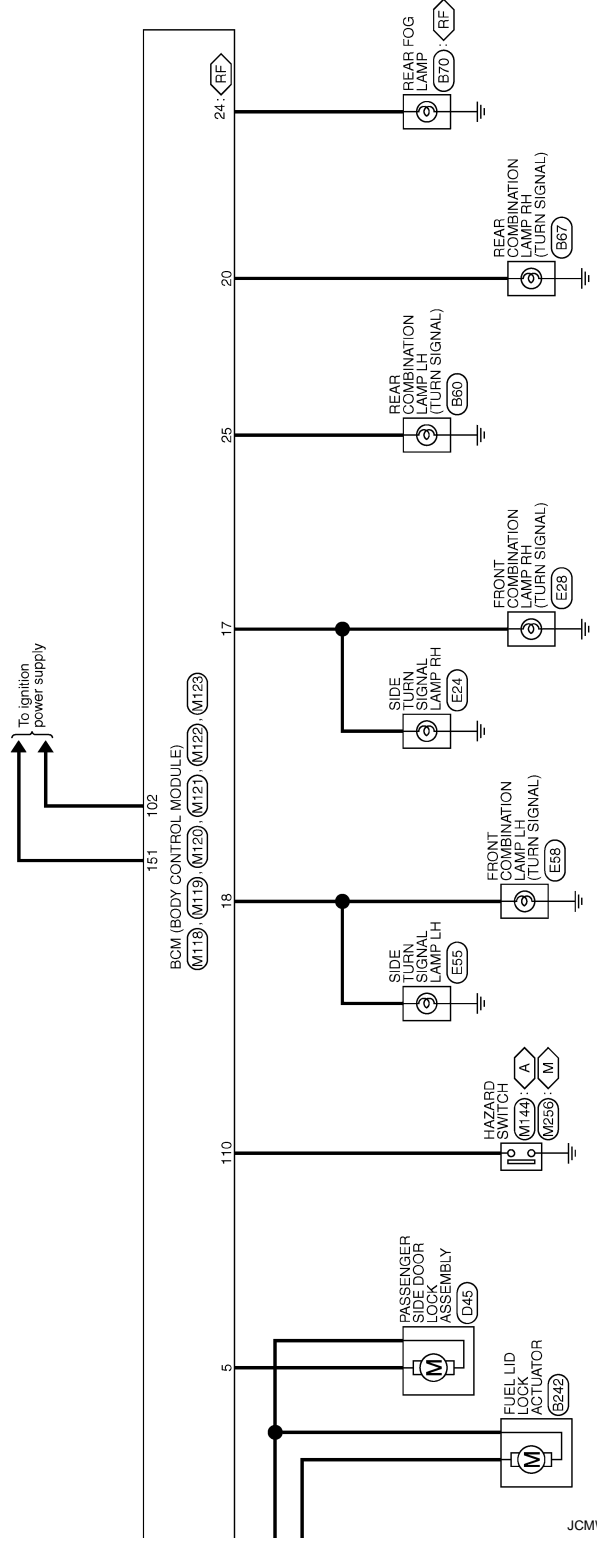
< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

CP : Coupe models
 RS : Roadster models
 WP : With power seat
 ON : Without NAVI



A : With A/T
M : With M/T
RF : With rear fog lamp



JCMWMM4755GB

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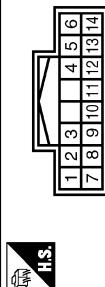
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

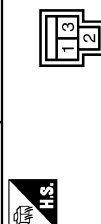
BCM (BODY CONTROL MODULE)

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



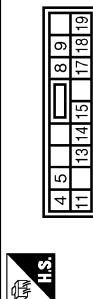
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	FR WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GND
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LG



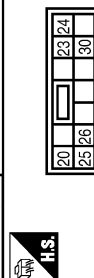
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY (BAT)
3	Y	POWER WINDOW POWER SUPPLY (IGN)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



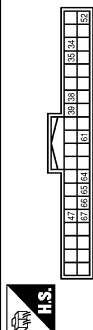
Terminal No.	Color of Wire	Signal Name [Specification]
4	R	INTERIOR ROOM LAMP POWER SUPPLY
5	G	SUPER LOCK OUTPUT [Coupe models]
5	V	SUPER LOCK OUTPUT [Roadster models]
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	BR	BAT (FUSE)
13	B	GND
14	R	PUSH-BUTTON IGNITION SW (LL POWER)
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



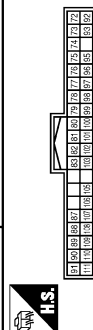
Terminal No.	Color of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	L	BACK DOOR OPEN OUTPUT [Coupe models]
23	Y	TRUNK LID OPEN OUTPUT [Roadster models]
24	O	REAR FOG OUTPUT
25	LG	TURN SIGNAL LH (REAR)
30	R	LUGGAGE ROOM LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40GY-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]
39	W	BACK DOOR ANT-
47	Y	BACK DOOR ANT+
47	V	WIN RELAY (BLOWER FAN) CONT [Roadster models with M/T]
47	V	WIN RELAY (BLOWER FAN) 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	HAZARD WARN BUZZER (ENG ROOM) [Roadster models with M/T]
64	G	HAZARD 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) COMB [Roadster models with M/T]
83	GR	KYLS ENT RECEIVER (FRONT) COMB [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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BCM (BODY CONTROL MODULE)

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 P/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	PURR BUTTON/CAUTION SW L L POWER [Roadster models with M/T]
133	G	PURR BUTTON/CAUTION SW R L POWER [Roadster models with M/T]
134	GR	LOCK IND
137	O	RECEIVER/SENSOR GND [Roadster models with M/T]
137	P	RECEIVER/SENSOR GND [Event for roadster models with M/T]
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESS./K/L'S 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 DEFROGGER RELAY CONT

Fail-safe

FAIL-SAFE CONTROL BY DTC
BCM performs fail-safe control when any DTC are detected.

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Display contents of CONSULT	Fail-safe	Cancellation
B2013: ID DISCORD BCM-S/L	Inhibit engine cranking	Erase DTC
B2014: CHAIN OF S/L-BCM	Inhibit engine cranking	Erase DTC
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC
B2195: ANTI SCANNING	Inhibit engine cranking	Ignition switch ON → OFF
B2557: VEHICLE SPEED	Inhibit steering lock	When normal vehicle speed signals are received from ABS actuator and electric unit (control unit) for 500 ms
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Starter control relay signal • Starter relay status signal
B2601: SHIFT POSITION	Inhibit steering lock	500 ms after the following signal reception status becomes consistent <ul style="list-style-type: none"> • Selector lever P position switch signal • P range signal (CAN)
B2602: SHIFT POSITION	Inhibit steering lock	5 seconds after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Vehicle speed: 4 km/h (2.5 MPH) or more
B2603: SHIFT POSI STATUS	Inhibit steering lock	500 ms after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Selector lever P/N position signal: Except P and N positions (0 V)
B2604: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P and N position (battery voltage) - P range signal or N range signal (CAN): ON • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - P range signal and N range signal (CAN): OFF
B2605: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - Interlock/PNP switch signal (CAN): OFF • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P or N position (battery voltage) - PNP switch signal (CAN): ON
B2606: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Steering lock relay signal (Request signal) • Steering lock relay signal (Condition signal)

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Display contents of CONSULT	Fail-safe	Cancellation
B2607: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status has becomes consistent <ul style="list-style-type: none"> Steering lock relay signal (Request signal) Steering lock relay signal (Condition signal)
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> Starter motor relay control signal Starter relay status signal (CAN)
B2609: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When the following steering lock conditions agree <ul style="list-style-type: none"> BCM steering lock control status Steering lock condition No. 1 signal status Steering lock condition No. 2 signal status
B260A: IGNITION RELAY	Inhibit engine cranking	500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> IGN relay (IPDM E/R) control signal: OFF (Battery voltage) Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal)
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled <ul style="list-style-type: none"> Power position changes to ACC Receives engine status signal (CAN)
B2612: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When any of the following conditions are fulfilled <ul style="list-style-type: none"> Steering lock unit status signal (CAN) is received normally The BCM steering lock control status matches the steering lock status recognized by the steering lock unit status signal (CAN from IPDM E/R)
B2617: STARTER RELAY CIRC	Inhibit engine cranking	1 second after the starter motor relay control inside BCM becomes normal
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal
B2619: BCM	Inhibit engine cranking	1 second after the steering lock unit power supply output control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization
B26E8: CLUTCH SW	Inhibit engine cranking	When any of the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> Status 1 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): ON Clutch interlock switch signal: OFF (0 V) Status 2 <ul style="list-style-type: none"> Clutch switch signal (CAN from ECM): OFF Clutch interlock switch signal: ON (Battery voltage)
B26E9: S/L STATUS	<ul style="list-style-type: none"> Inhibit engine cranking Inhibit steering lock 	When BCM transmits the LOCK request signal to steering lock unit, and receives LOCK response signal from steering lock unit, the following conditions are fulfilled <ul style="list-style-type: none"> Steering condition No. 1 signal: LOCK (0 V) Steering condition No. 2 signal: LOCK (Battery voltage)

HIGH FLASHER OPERATION

BCM detects the turn signal lamp circuit status by the current value.

BCM increases the turn signal lamp blinking speed if the bulb or harness open is detected with the turn signal lamp operating.

NOTE:

The blinking speed is normal while activating the hazard warning lamp.

FAIL-SAFE CONTROL BY RAIN SENSOR MALFUNCTION

- BCM judges the rain sensor serial link error by the rain sensor serial link condition and detects the rain sensor malfunction by rain sensor malfunction signal.
- When BCM detects the rain sensor serial link error or the rain sensor malfunction while front wiper AUTO operation, BCM operates a fail-safe control.

NOTE:

If rain sensor malfunction is detected when ignition switch is turned OFF ⇒ ON and front wiper switch is INT position, BCM operates a fail-safe control.

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

DTC Inspection Priority Chart

INFOID:000000005569359

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	DTC
1	B2562: LOW VOLTAGE
2	<ul style="list-style-type: none">• U1000: CAN COMM CIRCUIT• U1010: CONTROL UNIT (CAN)
3	<ul style="list-style-type: none">• B2190: NATS ANTENNA AMP• B2191: DIFFERENCE OF KEY• B2192: ID DISCORD BCM-ECM• B2193: CHAIN OF BCM-ECM• B2195: ANTI SCANNING
4	<ul style="list-style-type: none">• B2013: ID DISCORD BCM-S/L• B2014: CHAIN OF S/L-BCM• B2553: IGNITION RELAY• B2555: STOP LAMP• B2556: PUSH-BTN IGN SW• B2557: VEHICLE SPEED• B2560: STARTER CONT RELAY• B2601: SHIFT POSITION• B2602: SHIFT POSITION• B2603: SHIFT POSI STATUS• B2604: PNP SW• B2605: PNP SW• B2606: S/L RELAY• B2607: S/L RELAY• B2608: STARTER RELAY• B2609: S/L STATUS• B260A: IGNITION RELAY• B260B: STEERING LOCK UNIT• B260C: STEERING LOCK UNIT• B260D: STEERING LOCK UNIT• B260F: ENG STATE SIG LOST• B2612: S/L STATUS• B2614: ACC RELAY CIRC• B2615: BLOWER RELAY CIRC• B2616: IGN RELAY CIRC• B2617: STARTER RELAY CIRC• B2618: BCM• B2619: BCM• B261A: PUSH-BTN IGN SW• B261E: VEHICLE TYPE• B26E8: CLUTCH SW• B26E9: S/L STATUS• B26EA: KEY REGISTRATION• C1729: VHCL SPEED SIG ERR• U0415: VEHICLE SPEED SIG

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Priority	DTC
5	<ul style="list-style-type: none"> • C1704: LOW PRESSURE FL • C1705: LOW PRESSURE FR • C1706: LOW PRESSURE RR • C1707: LOW PRESSURE RL • C1708: [NO DATA] FL • C1709: [NO DATA] FR • C1710: [NO DATA] RR • C1711: [NO DATA] RL • C1716: [PRESSDATA ERR] FL • C1717: [PRESSDATA ERR] FR • C1718: [PRESSDATA ERR] RR • C1719: [PRESSDATA ERR] RL • C1734: CONTROL UNIT
6	<ul style="list-style-type: none"> • B2621: INSIDE ANTENNA • B2622: INSIDE ANTENNA • B2623: INSIDE ANTENNA

DTC Index

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NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [DEF-94. "COMMON ITEM : CONSULT-III Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	BCS-42
U1010: CONTROL UNIT (CAN)	—	—	—	—	BCS-43
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-44
B2013: ID DISCORD BCM-S/L	×	×	—	—	SEC-51
B2014: CHAIN OF S/L-BCM	×	×	—	—	SEC-52
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-43
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-46
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-47
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-49
B2195: ANTI SCANNING	×	—	—	—	SEC-50
B2553: IGNITION RELAY	—	×	—	—	PCS-48
B2555: STOP LAMP	—	×	—	—	SEC-55
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-57
B2557: VEHICLE SPEED	×	×	×	—	SEC-59
B2560: STARTER CONT RELAY	×	×	×	—	SEC-60
B2562: LOW VOLTAGE	—	×	—	—	BCS-45
B2601: SHIFT POSITION	×	×	×	—	SEC-61
B2602: SHIFT POSITION	×	×	×	—	SEC-64
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-67
B2604: PNP SW	×	×	×	—	SEC-70

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
B2605: PNP SW	×	×	×	—	SEC-72
B2606: S/L RELAY	×	×	×	—	SEC-74
B2607: S/L RELAY	×	×	×	—	SEC-75
B2608: STARTER RELAY	×	×	×	—	SEC-77
B2609: S/L STATUS	×	×	×	—	SEC-79
B260A: IGNITION RELAY	×	×	×	—	PCS-50
B260B: STEERING LOCK UNIT	—	×	×	—	SEC-83
B260C: STEERING LOCK UNIT	—	×	×	—	SEC-84
B260D: STEERING LOCK UNIT	—	×	×	—	SEC-85
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-86
B2612: S/L STATUS	×	×	×	—	SEC-91
B2614: ACC RELAY CIRC	—	×	×	—	PCS-52
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-55
B2616: IGN RELAY CIRC	—	×	×	—	PCS-58
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-95
B2618: BCM	×	×	×	—	PCS-61
B2619: BCM	×	×	×	—	SEC-97
B261A: PUSH-BTN IGN SW	—	×	×	—	PCS-62
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-98
B2621: INSIDE ANTENNA	—	×	—	—	DLK-279
B2622: INSIDE ANTENNA	—	×	—	—	• DLK-84 (Coupe) • DLK-281 (Road- ster)
B2623: INSIDE ANTENNA	—	×	—	—	• DLK-86 (Coupe) • DLK-283 (Road- ster)
B26E8: CLUTCH SW	×	×	×	—	SEC-87
B26E9: S/L STATUS	×	×	× (Turn ON for 15 seconds)	—	SEC-89
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-90
C1704: LOW PRESSURE FL	—	—	—	×	WT-26
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-28
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-31
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condi- tion	Intelligent Key warning lamp ON	Tire pressure monitor warn- ing lamp ON	Reference page
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-33
C1734: CONTROL UNIT	—	—	—	×	WT-35

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

SOFT TOP CONTROL UNIT

Reference Value

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VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

Monitor Item	Condition	Status/Value
ROOF LATCHED RH	Lock position	ON
	Other than above	OFF
	Roof striker sensor RH circuit is open or short	NG
ROOF LATCHED LH	Lock position	ON
	Other than above	OFF
	Roof striker sensor LH circuit is open or short	NG
F/CENTER LOCK	Lock	ON
	Other than above	OFF
	Roof latch lock sensor circuit is open or short	NG
R/RAIL RAISED LH	Soft top is close	ON
	Other than above	OFF
	Roof status sensor LH circuit is open or short	NG
R/RAIL RAISED RH	Soft top is close	ON
	Other than above	OFF
	Roof status sensor RH circuit is open or short	NG
R/RAIL LOWERED	Soft top is open	ON
	Other than above	OFF
	Roof status sensor LH circuit is open or short	NG
5TH BOW LOWERED	5th bow is close	ON
	Other than above	OFF
	5th bow status sensor LH circuit is open or short	NG
5TH BOW RAISED	5th bow is open	ON
	Other than above	OFF
	5th bow status sensor RH circuit is open or short	NG
S/LID OPEN LH	Storage lid is open	ON
	Other than above	OFF
	Storage lid status sensor LH circuit is open or short	NG
S/LID OPEN RH	Storage lid is open	ON
	Other than above	OFF
	Storage lid status sensor RH circuit is open or short	NG

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item	Condition		Status/Value
S/LID CLOSE RH	State of storage lid drive cylinder RH	Storage lid is close	ON
		Other than above	OFF
		Storage lid status sensor RH circuit is open or short	NG
5TH BOW LATCH OP	State of 5th bow latch cylinder	Unlock	ON
		Other than above	OFF
		5th bow latch open sensor circuit is open or short	NG
SWITCH VALVE 1	Operation of switching valve 1	Operate	ON
		Stop	OFF
		Switching valve 1 circuit is short	NG
SWITCH VALVE 2	Operation of switching valve 2	Operate	ON
		Stop	OFF
		Switching valve 2 circuit is short	NG
SWITCH VALVE 3	Operation of switching valve 3	Operate	ON
		Stop	OFF
		Switching valve 3 circuit is short	NG
SWITCH VALVE 4	Operation of switching valve 4	Operate	ON
		Stop	OFF
		Switching valve 4 circuit is short	NG
SWITCH VALVE 5	Operation of switching valve 5	Operate	ON
		Stop	OFF
		Switching valve 5 circuit is short	NG
PUMP OUT (RH)	Operation of hydraulic pump motor	Turning clockwise	ON
		Other than above	OFF
		Hydraulic pump motor (RH) circuit is short	NG
PUMP OUT (LH)	Operation of hydraulic pump motor	Turning counterclockwise	ON
		Other than above	OFF
		Hydraulic pump motor (LH) circuit is short	NG
5TH BOW LATCH CL	State of 5th bow latch cylinder	Lock	ON
		Other than above	OFF
		5th bow latch close sensor circuit is open or short	NG
ROOF SW (OPEN)	State of roof open/close switch	OPEN operation is in operation	ON
		Other than above	OFF
ROOF SW (CLOSE)	State of roof open/close switch	CLOSE operation is in operation	ON
		Other than above	OFF
SHIFT R SIGNAL	Shift position	R position	ON
		Other than R position	OFF
TRUNK OPEN OUT	Operation of trunk lid opener actuator	OPEN operation is in operation	ON
		Other than above	OFF
THER PROTEC PUMP	Thermo protection hydraulic pump	In non-operation	OK
		In operation	NG
THER PROTEC RCU	Thermo protection soft top control unit	In non-operation	OK
		In operation	NG

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

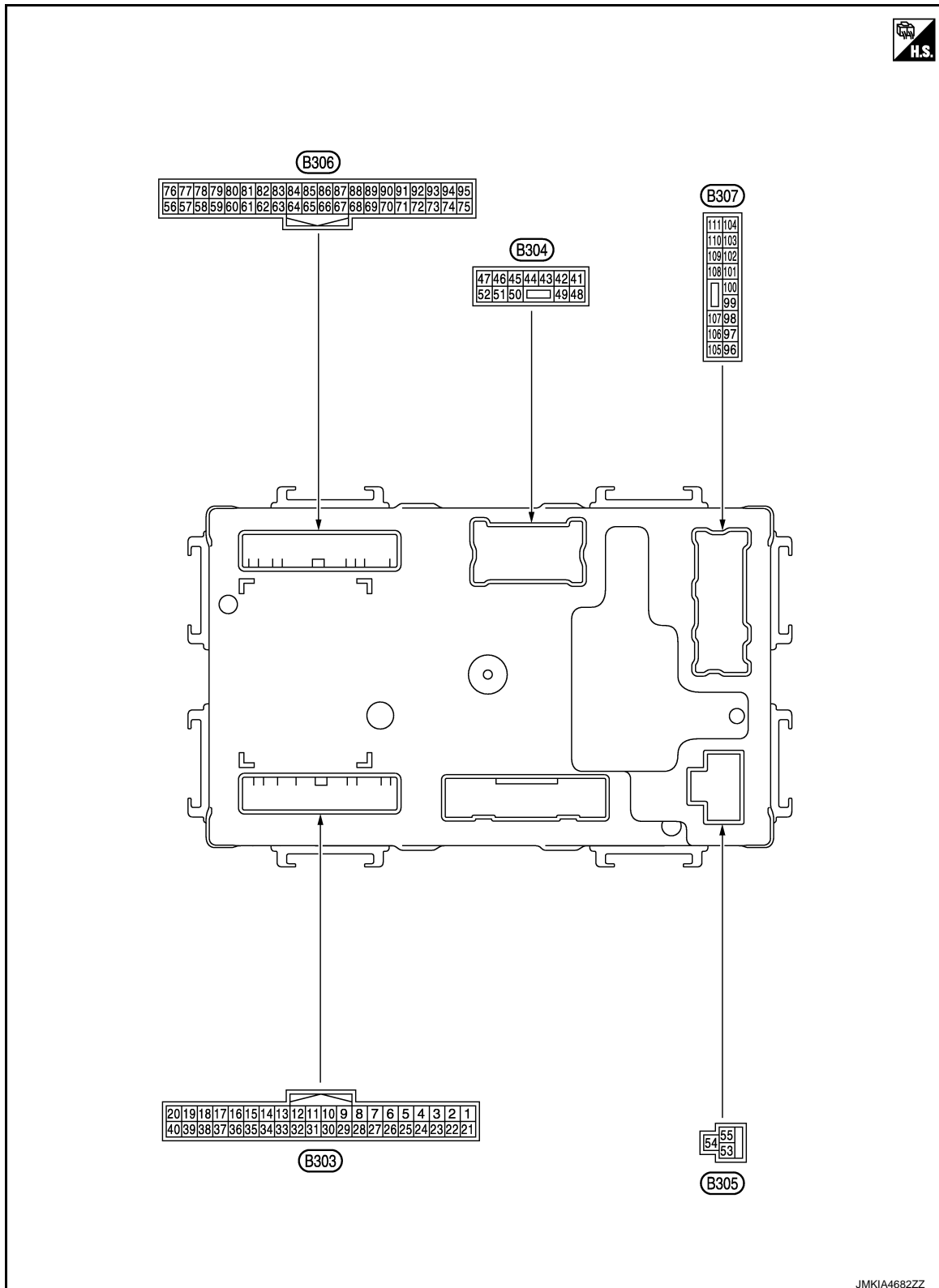
Monitor Item	Condition		Status/Value
PWR COND RCU	Power supply voltage state of soft top control unit	Normal	OK
		Malfunction	NG
PWR COND P/W	Power supply voltage state of power window	Normal	OK
		Malfunction	NG
LOCAL COMM 1	State of local communication 1	Normal	OK
		It is in sleep mode	SLEEP
		Communication error	NG
LOCAL COMM 2	State of local communication 2	Normal	OK
		It is in sleep mode	SLEEP
		Communication error	NG
REAR DEF OUT	Operation of rear window defogger	Roof position is full close	OK
		Other than above	NG
5BOW STRIK LATCH	State of 5th bow latch	5th bow striker is in 5th bow latch	ON
		Other than above	OFF
		5th bow striker sensor circuit is open or short	NG
P/W OP REQ SW SIG	State of request switch signal	OPEN operation is in operation	ON
		Stop	OFF
PROHIBIT P/W UP	Prohibit of power window up	In operation	ON
		In non-operation	OFF
IGN ON SIG(BCM)	Power position signal	Ignition switch ON	ON
		Other than above	OFF
RF OP REQ SW SIG	State of request switch signal	OPEN operation is in operation	ON
		Stop	OFF

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

TERMINAL LAYOUT

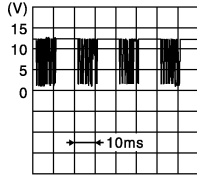
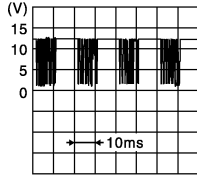


PHYSICAL VALUES

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
1 (BR)	Ground	Sensor power supply (Roof striker sensor LH)	Output	[Engine is running]		12 V
3 (DG)	Ground	Roof striker sensor RH	Input	[Engine is running] • Roof lock assembly	Hooked	0.8 V
					Released	3.0 V
4 (W)	Ground	Roof striker sensor LH	Input	[Engine is running] • Roof lock assembly	Hooked	0.8 V
					Released	3.0 V
8 (Y)	Ground	Back up lamp signal	Input	[Ignition switch: ON] • Shift position	R position	Battery voltage
					Other than above	0 V
9 (SB)	Ground	Power source (Power window)	Input	[Ignition switch: OFF]		Battery voltage
10 (O)	Ground	Trunk lid open re- quest signal (BCM)	Input	[Ignition switch: ON] • Trunk opener	Operate	0 V → Battery voltage → 0 V
					Other than above	0 V
11 (O)	Ground	Roof status signal (Indicator lamp)	Output	[Engine is running] • Soft top indicator lamp	Illuminate	0 V
					Not illuminate	Battery voltage
12 (SB)	Ground	Roof status signal (Audio)	Output	[Engine is running] • Soft top system	Fully open	9.5 V
					Other than above	0 V
14 (L)	Ground	Roof open/close switch (Close)	Input	[Engine is running] • Close switch	Pressed	0 V
					Released	Battery voltage
15 (LG)	Ground	Roof open/close switch (Open)	Input	[Engine is running] • Open switch	Pressed	0 V
					Released	Battery voltage
16 (V)	Ground	Trunk room lamp switch	Input	[Ignition switch: ON] • Trunk lid	Open	0 V
					Other than above	Battery voltage
17 (BG)	Ground	CAN-H	Input/ Output	—		—
18 (P)	Ground	CAN-L	Input/ Output	—		—
19 (LG)	Ground	Local communication (Power window)	Input/ Output	—		 <p>JMKIA4024GB</p>
20 (V)	Ground	Local communication (BCM)	Input/ Output	—		 <p>JMKIA4024GB</p>

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
21 (BR)	Ground	Sensor power supply (Roof striker sensor RH)	Output	[Engine is running]		12 V
29 (DG)	Ground	Ground	—	—		—
35 (P)	Ground	Ground (Roof open/close switch)	—	—		—
41 (DG)	Ground	Trunk lid opener ac- tuator	Output	Trunk lid opener	Operate	0 V → Battery voltage → 0 V
					Stop	0 V
48 (R)	Ground	Power source (Rear window defog- ger)	Input	[Engine is running] • Rear window defogger	Active	Battery voltage
					Not active	0 V
49 (R)	Ground	Power source (Rear window defog- ger)	Input	[Engine is running] • Rear window defogger	Active	Battery voltage
					Not active	0 V
53 (R)	Ground	Power source (Roof)	Input	[Engine is running]		Battery voltage
54 (B)	Ground	Ground (Roof)	—	—		—
56 (W)	Ground	5th bow latch close sensor	Input	[Engine is running] • 5th bow latch	Lock	0.8 V
					Other than above	3.0 V
57 (G)	Ground	5th bow latch open sensor	Input	[Engine is running] • 5th bow latch	Unlock	0.8 V
					Other than above	3.0 V
58 (LG)	Ground	Storage lid status sensor RH (Open)	Input	[Engine is running] • Storage lid	Full open	0.8 V
					Other than above	3.0 V
59 (W)	Ground	Storage lid status sensor RH (Close)	Input	[Engine is running] • Storage lid	Full close	0.8 V
					Other than above	3.0 V
60 (DG)	Ground	Storage lid status sensor LH (Open)	Input	[Engine is running] • Storage lid	Full open	0.8 V
					Other than above	3.0 V
61 (Y)	Ground	Roof status sensor RH (Close)	Input	[Engine is running] • Soft top	Raised	0.8 V
					Other than above	3.0 V
66 (L)	Ground	Roof status sensor LH (Open)	Input	[Engine is running] • Soft top	Lowered	0.8 V
					Other than above	3.0 V
68 (P)	Ground	5th bow status sen- sor RH	Input	[Engine is running] • 5th bow	Raised	0.8 V
					Other than above	3.0 V
69 (V)	Ground	Roof status sensor LH (Close)	Input	[Engine is running] • Soft top	Raised	0.8 V
					Other than above	3.0 V

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SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
70 (O)	Ground	5th bow status sensor LH	Input	[Engine is running] • 5th bow	Lowered	0.8 V
					Other than above	3.0 V
71 (SB)	Ground	Roof latch lock sensor	Input	[Engine is running] • Roof lock assembly	Lock	0.8 V
					Other than above	3.0 V
72 (W/R)	Ground	Hydraulic pump temperature sensor	Input	[Engine is running]		0 - 4.8 V Output voltage varies with hydraulic pump temperature.
73 (R)	Ground	Hydraulic pump relay 2 ON signal	Input	[Engine is running] • Hydraulic pump motor (Right rotation)	Active	12 V
					Inactive	0 V
74 (R/B)	Ground	Hydraulic pump relay 1 ON signal	Input	[Engine is running] • Hydraulic pump motor (Left rotation)	Active	12 V
					Inactive	0 V
75 (BR)	Ground	Sensor power supply (Roof status sensor LH/5th bow latch open sensor/5th bow latch close sensor/5th bow striker sensor)	Output	[Engine is running]		12 V
76 (L)	Ground	5th bow striker sensor	Input	[Engine is running] • 5th bow striker	Hooked	0.8 V
					Released	3.0 V
92 (BG)	Ground	Sensor ground (Hydraulic pump temperature sensor)	—	—		—
93 (BR)	Ground	Sensor power supply (Roof status sensor RH/Storage lid status sensor RH)	Output	[Engine is running]		12 V
94 (BR)	Ground	Sensor power supply (Roof latch lock sensor/5th bow status sensor LH)	Output	[Engine is running]		12 V
95 (BR)	Ground	Sensor power supply (Storage lid status sensor/5th bow status sensor RH)	Output	[Engine is running]		12 V
96 (W)	Ground	Switching valve 4	Output	[Engine is running] • Switching valve 4	Active	12 V
					Inactive	0 V
97 (LG)	Ground	Switching valve 3	Output	[Engine is running] • Switching valve 3	Active	12 V
					Inactive	0 V
98 (L)	Ground	Switching valve 2	Output	[Engine is running] • Switching valve 2	Active	12 V
					Inactive	0 V
99 (O)	Ground	Switching valve 1	Output	[Engine is running] • Switching valve 1	Active	12 V
					Inactive	0 V
100 (BR)	Ground	Hydraulic pump relay 2	Output	[Engine is running] • Hydraulic pump motor (Right rotation)	Active	12 V
					Inactive	0 V

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
101 (SB)	Ground	Hydraulic pump relay 1	Output	[Engine is running] • Hydraulic pump motor (Left rotation)	Active	12 V
					Inactive	0 V
102 (P)	Ground	Switching valve 5	Output	[Engine is running] • Switching valve 5	Active	12 V
					Inactive	0 V
103 (B)	Ground	Hydraulic unit ground	—	—		—
104 (R)	Ground	Rear window defog- ger power supply	Output	[Engine is running] • Rear window defogger NOTE: Roof is fully closed.	Active	Battery voltage
					Not active	0 V
111 (R)	Ground	Rear window defog- ger power supply	Output	[Engine is running] • Rear window defogger NOTE: Roof is fully closed.	Active	Battery voltage
					Not active	0 V

Fail-safe

INFOID:0000000005569362

FAIL-SAFE CONTROL BY DTC

Soft top control unit performs fail-safe control when any of the following DTCs is detected.

Display contents of CONSULT-III		Fail-safe	Cancellation
U1000	CAN COMM CIRCUIT	Inhibit soft top operation.	Communication is normal.
U1010	CONTROL UNIT (CAN)	Inhibit soft top operation.	Communication is normal.
U0140	LOCAL COMM-1	Inhibit soft top operation.	Communication is normal.
U0215	LOCAL COMM-2	Inhibit soft top operation.	Communication is normal.
B1701	ROOF CONTROL UNIT	Inhibit soft top operation.	Replace soft top control unit.
B1702	ROOF CONTROL UNIT	Inhibit soft top operation.	Replace soft top control unit.
B1709	ROOF SWITCH(OPEN)	Inhibit soft top operation.	Detects roof open/close switch (OPEN) is OFF.
B170A	ROOF SWITCH(CLOSE)	Inhibit soft top operation.	Detects roof open/close switch (CLOSE) is OFF.
B170F	SENSOR POWER SUPPLY	Inhibit soft top operation.	Detects normal value.
B171A	HYDRAULIC PMP(LH)	Inhibit soft top operation.	Detects normal value.
B171B	HYDRAULIC PMP(RH)	Inhibit soft top operation.	Detects normal value.
B171C	SWITCHING VALVE 1	Inhibit soft top operation.	Detects normal value.
B171D	SWITCHING VALVE 2	Inhibit soft top operation.	Detects normal value.
B172C	ROOF STATE SIG(TRUNK)*	Inhibit soft top operation.	Detects normal value.
B1731	HYDRAULIC STATE 1	Inhibit soft top operation.	Turn ignition switch OFF.
B1758	THERMO PROTECTION	Inhibit soft top operation.	Turn ignition switch OFF and wait at least 5 minutes.
B175C	PWR SOURCE(ROOF)	Inhibit soft top operation.	Power source is 11.4 (V) or more for 0.5 second.
B175D	PWR SOURCE(ROOF)	Inhibit soft top operation.	Power source is 14.5 (V) or more for 4 seconds.
B175E	PWR SOURCE(WINDOW)	Inhibit soft top operation and rear power window operation.	Power source (power window) is 9.5 (V) or more.
B175F	PWR SOURCE(WINDOW)	Inhibit soft top operation and rear power window operation.	Power source (power window) is 15.5 (V) or more.
B1766	SWITCHING VALVE 3	Inhibit soft top operation.	Detects normal value.
B1767	SWITCHING VALVE 4	Inhibit soft top operation.	Detects normal value.

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Display contents of CONSULT-III		Fail-safe	Cancellation
B1768	SWITCHING VALVE 5	Inhibit soft top operation.	Detects normal value.
B176A	THERMO PROTECTION	Inhibit soft top operation.	Turn ignition switch OFF and wait at least 5 minutes.
B176B	ROOF WARNING LAMP	Inhibit soft top operation.	Detects normal value.
B176C	STRIKER SENSOR RH	Inhibit soft top operation.	Detects normal value.
B176D	STRIKER SENSOR LH	Inhibit soft top operation.	Detects normal value.
B176E	ROOF LATCH LOCK SENSOR	Inhibit soft top operation.	Detects normal value.
B176F	ROOF STATUS SEN LH	Inhibit soft top operation.	Detects normal value.
B1770	ROOF STATUS SEN RH	Inhibit soft top operation.	Detects normal value.
B1771	ROOF STATUS SEN LH	Inhibit soft top operation.	Detects normal value.
B1772	5BOW STATUS SEN LH	Inhibit soft top operation.	Detects normal value.
B1773	5BOW STATUS SEN RH	Inhibit soft top operation.	Detects normal value.
B1774	S/LID STATUS SEN LH	Inhibit soft top operation.	Detects normal value.
B1775	S/LID STATUS SEN RH	Inhibit soft top operation.	Detects normal value.
B1776	S/LID STATUS SEN RH	Inhibit soft top operation.	Detects normal value.
B1777	REAR DEF OUT SIG	Inhibit soft top and rear window defogger operation.	Detects normal value.
B1778	TRUNK OPEN OUT SIG	Inhibit soft top and trunk lid opener actuator operation.	Detects normal value.
B1779	THERMO PROTECTION	Inhibit soft top operation.	Detects normal value.
B177A	ROOF STATE INCORRECT	Inhibit soft top operation.	Detects normal value.
B177B	ROOF STATE INCORRECT	Inhibit soft top operation.	Detects normal value.
B177C	THERMO PROTECTION	Inhibit soft top operation.	Detects normal value.
B177D	5BOW LATCH OPEN SEN	Inhibit soft top operation.	Detects normal value.
B177E	5BOW LATCH CLOSE SEN	Inhibit soft top operation.	Detects normal value.
B177F	5BOW STRIKER SENSOR	Inhibit soft top operation.	Detects normal value.

*: This item indicates the roof status signal (Audio).

DTC Inspection Priority Chart

INFOID:000000005569363

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	Display contents of CONSULT-III	
1	U1000	CAN COMM CIRCUIT
	U1010	CONTROL UNIT (CAN)
	B170F	SENSOR POWER SUPPLY
	B175C	PWR SOURCE(ROOF)
	B175D	PWR SOURCE(ROOF)
	B175E	PWR SOURCE(WINDOW)
	B175F	PWR SOURCE(WINDOW)
	B1701	ROOF CONTROL UNIT
	B1702	ROOF CONTROL UNIT

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Priority	Display contents of CONSULT-III		
2	B1709	ROOF SWITCH(OPEN)	A
	B170A	ROOF SWITCH(CLOSE)	
	B176B	ROOF WARNING LAMP	B
	B176C	STRIKER SENSOR RH	
	B176D	STRIKER SENSOR LH	
	B176E	ROOF LATCH LOCK SEN	C
	B176F	ROOF STATUS SEN LH	
	B1770	ROOF STATUS SEN RH	
	B1771	ROOF STATUS SEN LH	D
	B1772	5BOW STATUS SEN LH	
	B1773	5BOW STATUS SEN RH	E
	B1774	S/LID STATUS SEN LH	
	B1775	S/LID STATUS SEN RH	F
	B1776	S/LID STATUS SEN RH	
	B177D	5BOW LATCH OPEN SEN	
	B177E	5BOW LATCH CLOSE SEN	G
	B177F	5BOW STRIKER SENSOR	
3	U0140	LOCAL COMM-1	H
	U0215	LOCAL COMM-2	
	B171A	HYDRAULIC PMP(LH)	
	B171B	HYDRAULIC PMP(RH)	I
	B171C	SWITCHING VALVE 1	
	B171D	SWITCHING VALVE 2	
	B172C	ROOF STATE SIG(TRUNK)*	J
	B1731	HYDRAULIC STATE 1	
	B1758	THERMO PROTECTION	K
	B1766	SWITCHING VALVE 3	
	B1767	SWITCHING VALVE 4	
	B1768	SWITCHING VALVE 5	
	B176A	THERMO PROTECTION	
	B1777	REAR DEF OUT SIG	M
	B1778	TRUNK OPEN OUT SIG	
	B1779	THERMO PROTECTION	
	B177A	ROOF STATE INCORRECT	N
	B177B	ROOF STATE INCORRECT	
	B177C	THERMO PROTECTION	O

*: This item indicates the roof status signal (Audio).

DTC Index

INFOID:000000005569364

NOTE:

For details of Freeze Frame Data, refer to [RF-29, "CONSULT-III Function"](#).

Display contents of CONSULT-III		Fail-safe	Freeze Frame Data	Reference page
No DTC is detected. Further testing may be required.		—	—	—
U1000	CAN COMM CIRCUIT	×	×	RF-70

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Display contents of CONSULT-III		Fail-safe	Freeze Frame Data	Reference page
U1010	CONTROL UNIT (CAN)	×	×	RF-71
U0140	LOCAL COMM-1	×	×	RF-72
U0215	LOCAL COMM-2	×	×	RF-73
B1701	ROOF CONTROL UNIT	×	×	RF-75
B1702	ROOF CONTROL UNIT	×	×	RF-76
B1709	ROOF SWITCH-OPEN	×	×	RF-77
B170A	ROOF SWITCH-CLOSE	×	×	RF-79
B170F	SENSOR POWER SUPPLY	×	×	RF-81
B171A	HYDRAULIC PMP(LH)	×	×	RF-84
B171B	HYDRAULIC PMP(RH)	×	×	RF-87
B171C	SWITCHING VALVE 1	×	×	RF-90
B171D	SWITCHING VALVE 2	×	×	RF-92
B172C	ROOF STATE SIG(TRUNK)*	×	×	RF-94
B1731	HYDRAULIC STATE 1	×	×	RF-96
B1758	THERMO PROTECTION	×	×	RF-97
B175C	PWR SOURCE(ROOF)	×	×	RF-98
B175D	PWR SOURCE(ROOF)	×	×	RF-99
B175E	PWR SOURCE(WINDOW)	×	×	RF-100
B175F	PWR SOURCE(WINDOW)	×	×	RF-102
B1766	SWITCHING VALVE 3	×	×	RF-104
B1767	SWITCHING VALVE 4	×	×	RF-106
B1768	SWITCHING VALVE 5	×	×	RF-108
B176A	THERMO PROTECTION	×	×	RF-110
B176B	ROOF WARNING LAMP	×	×	RF-111
B176C	STRIKER SENSOR RH	×	×	RF-113
B176D	STRIKER SENSOR LH	×	×	RF-115
B176E	ROOF LATCH LOCK SEN	×	×	RF-117
B176F	ROOF STATUS SEN LH	×	×	RF-119
B1770	ROOF STATUS SEN RH	×	×	RF-121
B1771	ROOF STATUS SEN LH	×	×	RF-123
B1772	5BOW STATUS SEN LH	×	×	RF-125
B1773	5BOW STATUS SEN RH	×	×	RF-127
B1774	S/LID STATUS SEN LH	×	×	RF-129
B1775	S/LID STATUS SEN RH	×	×	RF-131
B1776	S/LID STATUS SEN RH	×	×	RF-133
B1777	REAR DEF OUT SIG	×	×	RF-135
B1778	TRUNK OPEN OUT SIG	×	×	RF-136
B1779	THERMO PROTECTION	×	×	RF-138
B177A	ROOF STATE INCORRECT	×	×	RF-140
B177B	ROOF STATE INCORRECT	×	×	RF-141
B177C	THERMO PROTECTION	×	×	RF-142
B177D	5BOW LATCH OPEN SEN	×	×	RF-143
B177E	5BOW LATCH CLOSE SEN	×	×	RF-145
B177F	5BOW STRIKER SENSOR	×	×	RF-147

SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

*: This item indicates the roof status signal (Audio).

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REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

[ROADSTER]

SYMPTOM DIAGNOSIS

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

Diagnosis Procedure

INFOID:000000005569189

1.CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [DEF-97, "BCM : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

• With Navigation: Refer to [DEF-98, "WITH NAVIGATION : Component Function Check"](#).

• Without Navigation: Refer to [DEF-98, "WITHOUT NAVIGATION : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-100, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR MIRROR
DEFOGGERS OPERATE.

< SYMPTOM DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR
MIRROR DEFOGGERS OPERATE.

Diagnosis Procedure

INFOID:0000000005569190

1.CHECK SOFT TOP CONTROL UNIT CIRCUIT

Check soft top control unit circuit.

Refer to [DEF-102, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK REAR WINDOW DEFOGGER

Check rear window defogger.

Refer to [DEF-104, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CONFIRM THE OPERATION

Confirm the operation again

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

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DOOR MIRROR DEFOGGER DOES NOT OPERATE BUT REAR WINDOW DEFOGGER OPERATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

DOOR MIRROR DEFOGGER DOES NOT OPERATE BUT REAR WINDOW DEFOGGER OPERATE BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:000000005569191

1.CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-107, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:000000005569192

1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-108, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000005569193

1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

Refer to [DEF-110, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

< SYMPTOM DIAGNOSIS >

[ROADSTER]

ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT OPERATES

Diagnosis Procedure

INFOID:0000000005238160

1.CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to [AV-268, "Work Flow"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> GO TO 1.

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REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[ROADSTER]

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE WITH NAVIGATION

WITH NAVIGATION : Diagnosis Procedure

INFOID:000000005238161

1.CHECK REAR WINDOW DEFOGGER OPERATION

Check rear window defogger operation.

Is the inspection result normal?

YES >> Check AV control system. Refer to [AV-268, "Work Flow"](#).

NO >> Check rear window defogger system. Refer to [DEF-89, "Work Flow"](#).

WITHOUT NAVIGATION

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:000000005238162

1.CHECK A/C CONTROL FUNCTION

Check that the A/C control is operating normally.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check A/C control system. Refer to [HAC-5, "Work Flow"](#).

2.CHECK REAR WINDOW DEFOGGER ON SIGNAL

Check rear window defogger ON signal.

Refer to [DEF-106, "Component Function Check"](#).

Is the inspection result normal?

YES >> Replace A/C control (rear window defogger switch). Refer to [HAC-84, "BASE AUDIO : Removal and Installation"](#) (Base audio) or [HAC-85, "BOSE AUDIO WITHOUT NAVIGATION : Removal and Installation"](#) (Bose audio without navigation).

NO >> Repair or replace the malfunctioning parts.

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:000000005569417

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 MEXICO

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

INFOID:000000005569418

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)

PRECAUTIONS

< PRECAUTION >

[ROADSTER]

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.

REMOVAL AND INSTALLATION

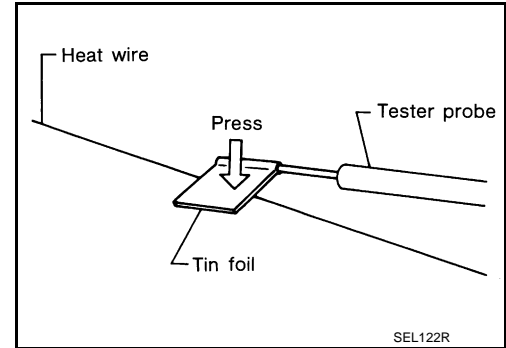
FILAMENT

Inspection and Repair

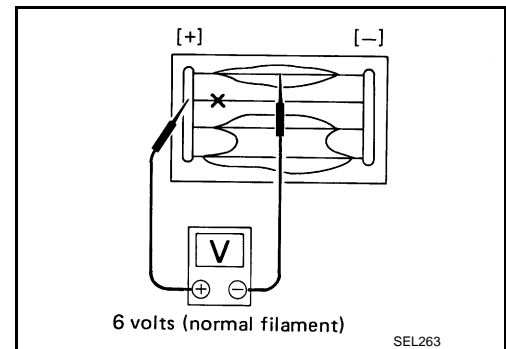
INFOID:000000005238164

INSPECTION

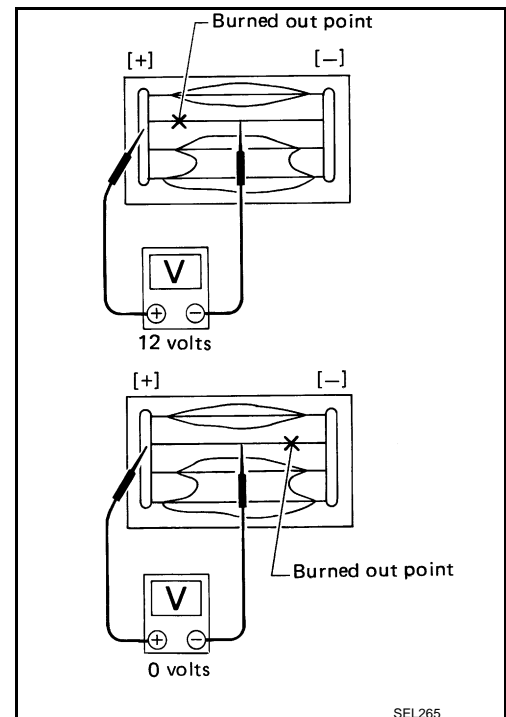
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



2. Attach probe circuit tester (in Volt range) to middle portion of each filament.



3. If a filament is burned out, circuit tester registers 0 or battery voltage.
4. To locate burned out point, move probe to left and right along filament. Test needle swings abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

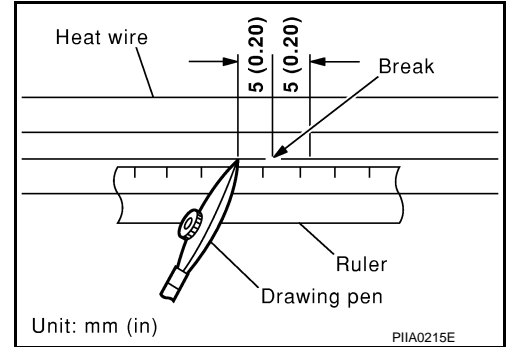
- Conductive silver composition (Dupont No. 4817 or an equivalent)

< REMOVAL AND INSTALLATION >

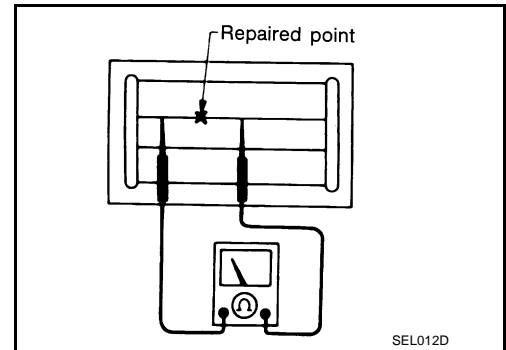
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

REPAIRING PROCEDURE

1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen. Shake silver composition container before use.
3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.



4. After repair has been complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.
Do not touch repaired area while test is being conducted.



5. Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet.
If a heat gun is not available, let the repaired area dry for 24 hours.

