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DIAGNOSIS AND REPAIR WORK FLOW

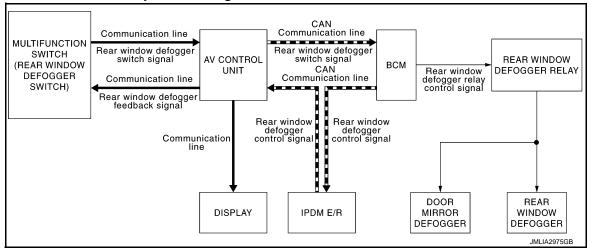
[COUPE] < BASIC INSPECTION > **BASIC INSPECTION** Α DIAGNOSIS AND REPAIR WORK FLOW Work Flow INFOID:0000000011738999 **DETAILED FLOW** 1. OBTAIN INFORMATION ABOUT SYMPTOM Interview the customer to obtain as much malfunction information (conditions and environment when the malfunction occurs) as possible when the customer brings the vehicle in. D >> GO TO 2. 2.CHECK DTC Е Perform self-diagnosis with CONSULT. Are any DTC detected? F YES >> Refer to BCS-99, "DTC Index". NO >> GO TO 3. $3.\mathsf{REPRODUCE}$ 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. Н >> GO TO 4. f 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. ${f 5}.$ IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS" Perform the diagnosis with "Component diagnosis" of the applicable system. >> GO TO 6. DEF 6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS Repair or replace the specified malfunctioning parts. M >> GO TO 7. 7. FINAL CHECK Ν 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. Р

SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION: System Diagram

INFOID:0000000011739000



WITH NAVIGATION: System Description

INFOID:0000000011739001

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.

[COUPE]

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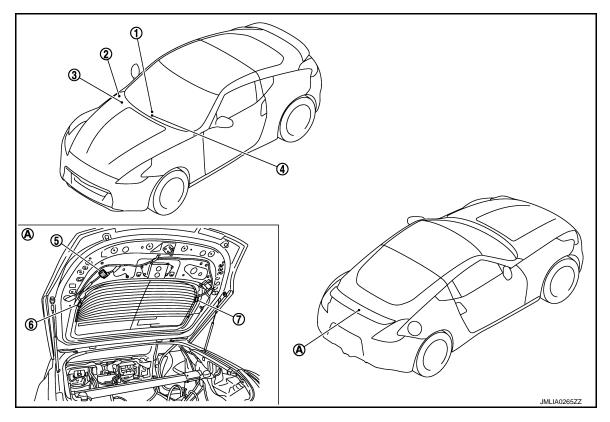
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WITH NAVIGATION: Component Parts Location

INFOID:0000000011739002



- Multifunction switch (rear window defogger switch)
- 4. AV control unit
 Refer to AV-178. "Component Parts
 Location".
- 7. Rear window defogger connector
- A. Behind back door assembly
- . IPDM E/R Refer to PCS-5, "Component Parts Location".
- 5. Condenser

- 3. BCM
 Refer to BCS-10, "Component Parts
 Location".
- 6. Rear window defogger connector

WITH NAVIGATION : Component Description

INFOID:0000000011739003

Multifunction switch (Rear window defogger switch)	 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	 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

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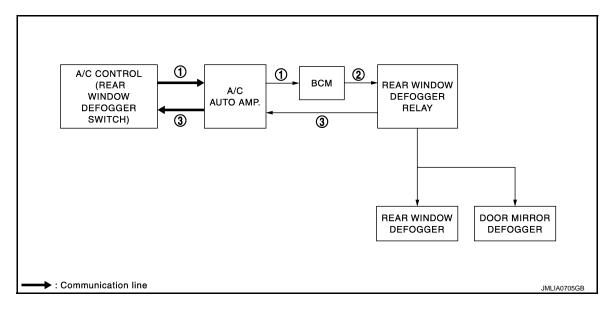
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WITHOUT NAVIGATION: System Diagram

INFOID:0000000011739004



Rear window defogger switch signal
 Rear window defogger relay ON sig- 3. Rear window defogger ON signal

WITHOUT NAVIGATION: System Description

INFOID:0000000011739005

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.

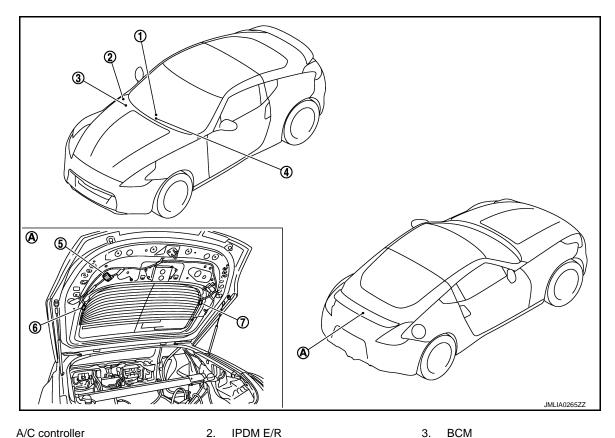
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- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defoggers (with mirror defogger) operate.
- Timer is canceled after pressing rear window 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.

[COUPE]

WITHOUT NAVIGATION: Component Parts Location

INFOID:0000000011739006



Refer to PCS-5, "Component Parts

A/C controller

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A/C auto amp.

- Location". 5.
 - Condenser

- 3. **BCM** Refer to BCS-10, "Component Parts Location".
- Rear window defogger connector

Refer to HAC-23, "Component Parts Location".

- 7. Rear window defogger connector
- A. Behind back door assembly

WITHOUT NAVIGATION : Component Description

INFOID:0000000011739007

A/C control (Rear window defogger switch)	 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	 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.

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[COUPE]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011916844

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	 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		
System	Sub system selection item	Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
_	AIR CONDITONER*			
Intelligent Key system Engine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door/Trunk lid open	TRUNK		×	×
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	TPMS (AIR PRESSURE MONITOR)	×	×	X

NOTE

FREEZE FRAME DATA (FFD)

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

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

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

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

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

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

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER: CONSULT Function (BCM - REAR DEFOGGER) (For Coupe) INFOID:0000000011739009

DATA MONITOR NOTE:

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[COUPE]

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

Monitor Item	Description
REAR DEF SW	 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

Test Item	Description
REAR DEFOGGER	Rear window defogger operates when "ON" on CONSULT screen is touched

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM: Diagnosis Procedure

INFOID:0000000011739010

1. CHECK FUSE AND FUSIBLE LINK

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

Signal name	Fuse and fusible link No.
Ratton, nower supply	К
Battery power supply	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.
- Check voltage between BCM harness connector and ground.

(Voltage		
В	СМ	Ground	(Approx.)
Connector	Terminal		
M118	1	Glound	Battery voltage
M119	11		Dattery Voltage

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.

В	CM		Continuity
Connector	Connector Terminal		Continuity
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

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REAR WINDOW DEFOGGER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER SWITCH WITH NAVIGATION

WITH NAVIGATION: Description

INFOID:0000000011739011

- 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:0000000011739012

1. CHECK FUNCTION

Check that the indicator lamp of rear window defogger illuminates when rear window defogger switch is ON. <u>Is the inspection result normal?</u>

YES >> Rear window defogger switch function is OK.

NO >> Refer to DEF-14, "WITH NAVIGATION: Diagnosis Procedure".

WITH NAVIGATION: Diagnosis Procedure

INFOID:0000000011739013

1. CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate.

Refer to AV-192, "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:0000000011739014

- 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:0000000011739015

1. CHECK FUNCTION

(II) With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" or "BCM" using CONSULT.
- 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 defoager switch	ON	On
	Rear window defogger switch	OFF	Off

Is the inspection result normal?

YES >> Rear window defogger switch function is OK.

NO >> Refer to <u>DEF-14</u>, "WITHOUT NAVIGATION: Diagnosis Procedure".

WITHOUT NAVIGATION : Diagnosis Procedure

INFOID:0000000011739016

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

< DTC/CIRCUIT DIAGNOSIS >

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NO >> Repair or replace the malfunctioning parts.

2.CHECK BCM OUTPUT SIGNAL

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

(+) A/C auto amp.		(-)	Signal (Reference value)	
Connector	Connector Terminal			
M66	27	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB	

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to HAC-86, "Removal and Installation".

NO >> GO TO 3.

3.CHECK REAR WINDOW DEFOGGER SWITCH CIRCUIT

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

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

Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector	Terminal	Ground	Continuity	
M123	130		Not existed	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-106, "Removal and Installation".

NO >> Repair or replace harness. DEF

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REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER RELAY

Description INFOID:0000000011739017

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

Component Function Check

INFOID:0000000011739018

1. CHECK FUNCTION

(P)With CONSULT

- Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- 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 <u>DEF-16</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739019

1. CHECK FUSE

- 1. Turn ignition switch OFF.
- 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.
- Check voltage between BCM harness connector and ground.

(+) BCM		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(11 -)
M123	151	Ground	Rear window de-	ON	0
IVI 123	101123	Ground	fogger switch	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).
- Check continuity between BCM harness connector and fuse block (J/B) harness connector.

BCM	1	Fuse block (J/B)		Continuity
Connector	Terminal	Connector Terminal		Continuity
M123	151	M2	4B	Existed

4. Check continuity between BCM harness connector and ground.

В	CM		Continuity	
Connector Terminal		Ground	Continuity	
M123	151		Not existed	

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

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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	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-45, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000011739020

1. CHECK REAR WINDOW DEFOGGER RELAY

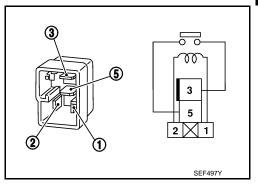
- 1. Turn ignition switch OFF.
- 2. Remove rear window defogger relay.
- 3. Check continuity between rear window defogger relay terminals.

Terr	minal		Continuity	
	window Jer relay	Condition		
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.



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< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER

Description INFOID:000000011739021

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:0000000011739022

1. CHECK REAR WINDOW DEFOGGER

(P)With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- 3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- 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 <u>DEF-18</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739023

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.

(+) Rear window defogger		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				, , , ,
D201	1 Ground	Ground	Rear window defogger	ON	Battery voltage
D201 1 Gro	Ground	switch	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.
- Check continuity between rear window defogger harness connector and ground.

Rear windo	ow defogger		Continuity
Connector	Terminal	Ground	Continuity
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

< DTC/CIRCUIT DIAGNOSIS >

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

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

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

Cond	enser		Continuity	
Connector Terminal		Ground	Continuity	
D106	1		Not existed	

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace condenser. Refer to <u>DEF-95</u>, "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 bl	Fuse block (J/B)		Condenser		
Connector	Terminal	Connector	Terminal	Continuity	
B6	10G	D106	1 Evicte	Existed	
ВО	11G	D100	ı	Existed	

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

Fuse block (J/B)			Continuity
Connector	Terminal	Ground	Continuity
В6	10G	Ground	Not existed
	11G		Not existed

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				(11 /
	10G B6	Ground	Rear window defogger switch	ON	Battery voltage
DG.				OFF	0
В0				ON	Battery voltage
				OFF	0

Is the inspection result normal?

YES >> GO TO 8.

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

.CHECK FILAMENT

Check filament.

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REAR WINDOW DEFOGGER

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[COUPE]

Refer to DEF-20, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace filament. Refer to DEF-93, "Inspection and Repair".

8. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000011739024

1. CHECK FILAMENT

Check the filament for damage.

Refer to DEF-93, "Inspection and Repair".

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair filament.

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

INFOID:0000000011739026

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REAR WINDOW DEFOGGER ON SIGNAL

Description INFOID:0000000011739025

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

Component Function Check

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.

>> Refer to DEF-21, "Diagnosis Procedure". NO

Diagnosis Procedure

1.CHECK FUSE

Turn ignition switch OFF.

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

Turn ignition switch ON.

Check voltage between A/C auto amp. harness connector ground.

	+)				
A/C auto amp.		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(Арргох.)
M66	26	26 Ground Rear window defogger	ON	Battery voltage	
1000 20	20	Ground	switch	OFF	0

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to HAC-86, "Removal and Installation" (base audio) or HAC-176, "Removal and Installation" (Bose audio with navigation).

NO >> GO TO 3.

3.check rear window defogger indicator lamp circuit

Turn ignition switch OFF.

Disconnect fuse block (J/B) connector and A/C auto amp. connector.

Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

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

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

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

Is the inspection result normal?

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

NO >> Repair or replace harness.

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[COUPE]

DOOR MIRROR DEFOGGER

Description INFOID:000000011739028

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:0000000011739029

1. CHECK DOOR MIRROR DEFOGGER

(P)With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- 3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- 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 <u>DEF-22</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739030

1.CHECK FUSE

- 1. Turn ignition switch OFF.
- 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

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

(+) Fuse block (J/B)		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(11 - /
	9C	Ground	Rear window defogger switch	ON	Battery voltage
Ma	M3 10C			OFF	0
IVI3			Rear window defogger	ON	Battery voltage
	100		switch	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-45, "Intermittent Incident".

>> INSPECTION END

DRIVER SIDE DOOR MIRROR DEFOGGER

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DRIVER SIDE DOOR MIRROR DEFOGGER

Description INFOID:0000000011739031

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:0000000011739032

1. CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

- Perform Active Test ("REAR DEFOGGER") with CONSULT.
- 2. Touch "ON".
- 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-23, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000011739033

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				(11 -)
D3	4	4 Ground Rear window defogge	Rear window defogger	ON	Battery voltage
D3	4 Grou	Giodila	switch	OFF	0

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

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2.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

- Turn ignition switch OFF.
- 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	Connector Terminal	
M3	10C	D3	4	Existed

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

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

3.CHECK GROUND CIRCUIT

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

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DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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

Is the inspection result normal?

YES >> Replace door mirror glass (driver side). Refer to <u>GW-19</u>, "Removal and Installation".

NO >> Repair or replace harness.

4. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

Is the inspection result normal?

>> INSPECTION END

PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

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PASSENGER SIDE DOOR MIRROR DEFOGGER

Description INFOID:0000000011739034

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:0000000011739035

1. CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

- 1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
- 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 <u>DEF-25</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739036

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.

	+) assenger side)	(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				,
D33	4	Ground	Rear window defogger	ON	Battery voltage
	4	Giouna	switch	OFF	0

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

K

2.check passenger side door mirror defogger circuit

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

Fuse bl	ock (J/B)	Door mirror (p	assenger side)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
M3	9C	D33	4	Existed

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

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

3. CHECK GROUND CIRCUIT

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

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PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

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

Is the inspection result normal?

YES >> Replace door mirror glass (passenger side). Refer to <u>GW-19, "Removal and Installation"</u>.

NO >> Repair or replace harness.

4. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

>> INSPECTION END

[COUPE]

REAR WINDOW DEFOGGER SYSTEM Α Wiring Diagram - DEFOGGER (WITH NAVI) -INFOID:0000000011739037 To BOSE audio with navigation system IPDM E/R
(INTELLIGENT
POWER
DISTRIBUTION
MODULE
ENGINE ROOM) В · To CAN system C AV CONTROL UNIT MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH) (M72) ⟨CP⟩: Coupe models
⟨RS⟩: Roadster models CPU D Е DATA LINE 91 Me Me DATA LINK CONNECTOR M24 404 A DATA LINE F *: This connector is not shown in "Harness Layout". FUSE BLOCK (J/B) (M1). (M2). (M3). (B6) G BCM (BODY CONTROL MODULE) (M118) (M119) (M123) Н DEFOGGER D107). (D201)* IGNITION SWITCH ON or START 5 Φ CONDENSER 0100: CP J B51 K SOFT TOP CONTROL UNIT B304, B307 8311), 8318): (RS) DEF 8302 ***** 20A SS M **DEFOGGER (WITH NAVI)** Ν P BEFOGGER RELAY - HI (98) 0 2010/09/22

DEF-27 Revision: 2015 June 2016 370Z

M 5

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101 GR HYDRAIIIC PHAD RELAY 1+		1	111 R REAR WINDOW DEF OUT 1		Connector No. B311		Connector Type 24340_65F45		ES.					le C	No. Wire			Connector No. B318	1		Connector Type 24348_51E61	E		Ž.	2			o le	No. Wire	•						
	Н	60 DG -	62 R -	63 R -	Н		Connector No. B304	Connector Name SOFT TOP CONTROL UNIT	Connector Type NS12FW-CS	d				41			Tarminal Color Of		41 DG TRUNK OPENER ACTUATOR	Я	49 R REAR WINDOW DEFIN 1		Connector No. B307	Connector Name SOFT TOP CONTROL UNIT		Connector Type NSIBFW-CS			00 00 00 00 00	201 101 100 166 166 167	Terminal Color Of Signal Name [Specification]	$^{+}$	97	98 L SWITCHING VALVE 2	0	100 BR HYDRAULIC PUMP RELAY 2 +
Connector No. 1882	l e	Т	1		57 56 55 54 1 52 51 51 51 52 510 51 52 51 52 51 52 51 52 51 52 51 52 51 52 51 52 51 52 51 52 51	[66] [65] [64] [63] [62] [61] [60] [59] [58]		Terminal Color Of Signal Name [Specification] No. Wire	H	53 6	+	+	+	4	+	51 09	7 69	63	64 B				Connector No. B302	Connector Name WIRE TO WIRE	T	ector type		51 52 53 54 55 56 57	59 60 60 64 67	00 00 00 00 00 00	Terminal Color Of Signal Name [Specification]	+	╁		S6 B -	57 B -
DEFOGGER (WITH NAVI)	Connector Name FUSE BLOCK (J/B)	Т	1		999	1/26 1/16 1/06		Terminal Color Of Signal Name [Specification] No. Wire	10G P - [Roadster models]	W	9	4	12G Y .			Connector No. 851	Τ	Connector Name WIRE TO WIRE	Connector Type M04MW-LC	á	匮	H.S.		134		Terminal Color Of	No. Wire Signal Name [Specification]	+	4 B							

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REAR WINDOW DEFOGGER SYSTEM

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Connector No. D1 Connector Name WHE TO WHE Connector Type TH40FW C515 (15) 44/31 [2] 1/10 [5] 6/5 [4] 3 [2] 1 EXERCISE STREET OF STR	Connector No. Connector Type Connector Type		100 MIRROR (DRIVER SIDE) THOSMAN-NH 1 2 3 4 8	S0 Y S1 Y S2 G S3 BG S3 BG S5 G S6 S6 S5 C Connector Name	D33 DOOR MIRROR (PASSENGER SIDE)	Connector No. D106 Connector Name CONDENSER Connector Type M01PW-LC H.S.
Terminal Color Of Signal Name (Specification) No. Wife Signal Name (Specification)	Terminal No. 1 2 2 3 3 4 4	Wire BR Y Y	Sągnal Name [Specification]	Connector Type	1 2 3 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5
+++++++	Connector No.	a	D33 WARE TO WARE [15] 44 (3) (2) (1) (6) (5) (5) [1]	Terminal Color Of No. Wire 1 BG 2 GR 3 L 4 L 4 L 8	Signal Name [Specification]	Connector Name REAR WINDOW DEFOGGER Connector Type PDIFB.A LIS.
5	Terminal No.		Separate Separate	Connector No. Connector Name Connector Type	D101 WHE TO WHE MOSFW4.C	Terminal Color Of Signal Name (Specification) No. Wire Signal Name (Specification) 2 8
50 LG	9 10 11 12 12 13	SHIELD V V LIG LIG	 . [Without BOSE system] . [With BOSE system]	ES.	2 4 5 1	Connector Name REAR WINDOW DEFOGGER Connector Type POIFB-A
-	13 15 16 17 18 18 19 19 28 28 28 28 44	V W W W Y/B SHIELD G G G	- [Without BOSE system]	Terminal Color Of No. Wire 2 V 4 B	Signal Name (Specification)	

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DEF COCKER (WITH NAVI) 12	12 BR Without active noise control
12 R	
Specification	
DEFOGGER Color Of New York	

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REAR WINDOW DEFOGGER SYSTEM

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SHIELD	t	G COMMUNICATION SIGNAL (CONT-DISP)	P CAN-L	91	LG AV COMMUNICATION SIGNAL (L)	R	9	0	Y VEHICLE SPEED SIGNAL (8-PULSE)	B SHIELD		G MICROPHONE SIGNAL	R COMMUNICATION SIGNAL (DISP-CONT)	1	Y AV COMMUNICATION SIGNAL (H)	>		Connector No. M118	Г	Connector Name BCM (BUDY CONTROL MUDULE)	Connector Type M03FB-LC			<u> </u>	13		7	1		_	Wire	3	W POWER WINDOW POWER SUPPLY (BAT)	-												
71	72	73		75	9/2	79	80	81	82	83	84	87	68	06	16 18	92	F	Conne						_						Terminal	No.		2 5	<u>'</u>				27 27 47 47 26	0 0 0 0	03203135			lion]	To local	ONLIND	
			- [Roadster models	- [Coupe models]					M72	TOTAL MOLECULOR STATE OF	MULIIFUNCIION SWIICH	TH16FW-NH				4 6 8	2 2	╣		Signal Name [Specification]	orginal redite (openine	GROUND	ACC	ILL	ILL CONT	AV COMM (H)	AV COMM (L)	SW GND	DISK EJECT SIGNAL			M86	AV CONTROL UNIT	TH32FW-NH				71 82 87 24	00 00 00	1			Signal Name [Specification]	PARKING BRAKE SIGNAL	COMPOSITE IMAGE GROUND	COMPOSITE IMAGE SIGNAL
_	>	v	97	٨	Ь	>														Color Of	Wire	8	7	В	W	91	>	BR	SB			1		Ī	1								Color Of	2	-	
9	7	œ	11	11	14	16			Connector No.	1	Connector	Connector Type	9	F	Ę					Terminal	No.	1	3	4	2	9	œ	6	14			Connector No.	Connector Name	Connector Type		ß	Ę	2					Terminal	. YG.	67	09
					- [With A/T]	- [With M/T]																						-			M24	DATA LINK CONNECTOR	Description	W lotton		11 11	1	3 4 5 6 7 8	- 0 0 +			Signal Name [Specification]	517	- (Coupe models)	[stangard moders]	
SB	≥	91	œ	9	9	~	0	9	BR	SHIELD	_	æ	91	æ	>	> -	- 8	>	g	Ь	Μ	Ь	Ь	٨	Ь	0	*	R			ır No.	Connector Name	T.	7 A			_					_	Wire	2 >	- «	
39	40	41	45	43	44	44	45	46	47	28	29	70	80	81	82	88	\$ 8	98	87	88	91	95	93	94	96	86	66	100			Connector No.	Connecto	Connector Tree	200	1		Ž					Terminal	No.	0 0	J 4	
23 Y/B																M6	WIRE TO WIRE	TH80MW-CS16-TM4			1 6 120 000 000 000 000 000 000 000 000 000	56 88 88 88 88 88 88 88 88 88 88 88 88 88	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				Signal Name (Specification)						,													
4/B	>	SHIELD	H	1	8	8S	٨	W	В	٦	Μ		H			Connector No.	Connector Name	Connector Type			ľ	5					_	Wire	>	-	-	+	۵ ۵	Ŧ	╀	1	9	Ь	Н		4	+	4	> 5	+	1
23	25	26	35	44	47	48	49	20	51	52	23	54	55		Į	Conne	Conne	Connec		E	₹	2					Terminal	No.	1	m	4		00 0	1	12	13	14	15	16	17	20	21	31	35	37	90

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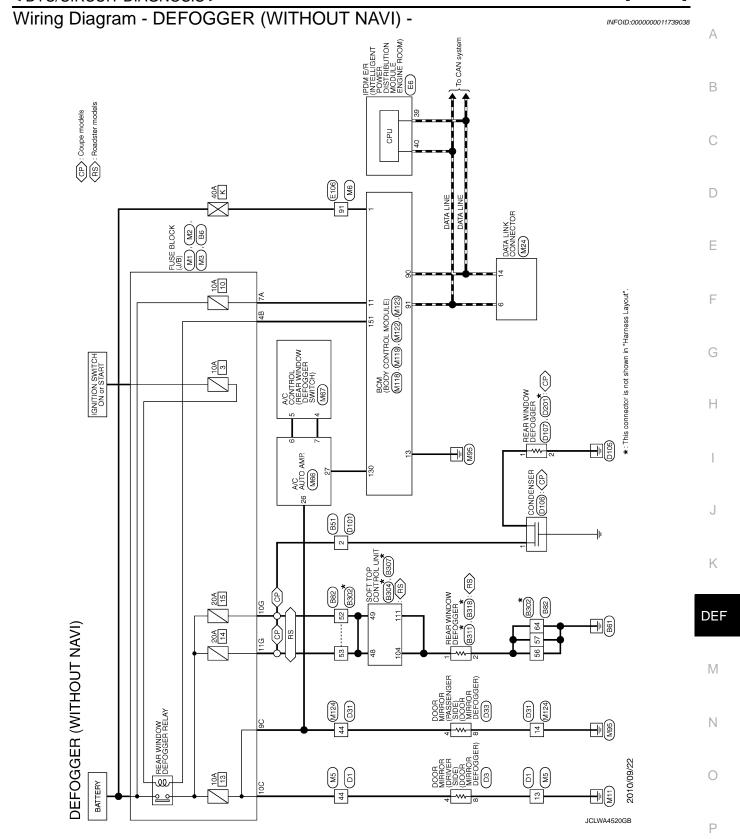
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DEFOGGER	DEFOGGER (WITH NAVI)	ā		ALANTIC ARIT ARAD		ę	SINI ADDI	_
tor No.	M119	81	>	NATS ANT AMP.	134	GR	LOCK IND	_
Connector Name	BCM (BODY CONTROL MODULE)	82	œ	IGN RELAY (F/B) CONT	137	Ь	RECEIVER & SENSOR GND	_
		83	GR	KYLS ENT RECEIVER (FRONT) COMM	138	۸	RECEIVER & SENSOR POWER SUPPLY	_
Connector Type	NS16FW-CS	87	BR	COMBI SW INPUT 5	139	L	TIRE PRESS RECEIV COMM	
		88	۸	COMBI SW INPUT 3	140	G	P/N POSITION	_
		06	d	CAN-L	141	٨	SECURITY INDICATOR	
,		91	_	CAN-H	142	0	COMBI SW OUTPUT 5	
S.	4 5 8 8	92	91	KEY SLOT ILL	143	Ь	COMBI SW OUTPUT 1	
	11 13 14 15 17 18 19	93	>	ONINO	144	9	COMBI SW OUTPUT 2	
	2	95	0	ACC RELAY CONT	145	1	COMBI SW OUTPUT 3	
		96	٠	A/T SHIFT SELECTOR POWER SUPPLY	146	SB	COMBI SW OUTPUT 4	
		66	œ	SHIFT P/CLUTCH PEDAL POS SW	150	GR	DRIVER DOOR SW	
erminal Color Of	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	100	GR	PASSENGER DOOR REQUEST SW	151	9	REAR WINDOW DEFOGGER RELAY CONT	
Wire	Signal Martie [Specification]	101	>	DRIVER DOOR REQUEST SW				
~	INTERIOR ROOM LAMP POWER SUPPLY	102	0	BLOWER FAN MOTOR RELAY CONT				
g	PASSENGER DOOR UNLOCK OUTPUT	103	91	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	Connector No.	No.	M124	
>	ALL DOOR, FUEL LID LOCK OUTPUT	107	97	COMBI SW INPUT 1			La contraction of the contractio	
g	DRIVER DOOR, FUEL LID UNLOCK OUTPUT	108	œ	COMBI SW INPUT 4	Connector	мате	WIRE IO WIRE	
11 BR	BAT (FUSE)	109	>	COMBI SW INPUT 2	Connector Type	Type	TH40MW-CS15	
13 B	GROUND	110	Ь	HAZARD SW				
14 R	PUSH-BUTTON IGNITION SWILL GND				F			
15 Y	ACCIND				ł		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	
17 W	TURN SIGNAL RH (FRONT, SIDE)	Connector No.	No.	M123	Ż			
18 0	TURN SIGNAL LH (FRONT, SIDE)	Constant Money	Money	(2 ii idosa (odtiaco ydod) saod			10 1/10 19 20 20 20 20 20 20 20 20 20 20 20 20 20	
19 P	ROOM LAMP TIMER CONTROL		indille	BUNI (BOD) CONTROL MODOLE)				
		Connector Type	Type	TH40FG-NH				
Connector No.	M122	Œ			Terminal	Color Of	Constitution (Constitution)	
Connector Name	BCM (BODY CONTROL MODILIE)	E			No.	Wire	olgital Name [opecification]	
	con (see connection)	2		Entra Enter Hot Enter Kolton	6	SHIELD		
Connector Type	TH40FB-NH			148 148 148 148 148 148 148 148 148 148	10	G		
					11	۸	•	
					12	LG	 [Without active noise control unit] 	
	K				12	٨	 [With active noise control unit] 	
8	[51 92] 83 842 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Terminal	Color Of	Signal Name (Specification)	13	BR	 [With active noise control] 	
	(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	No.	Wire	organi realis Johannanani	13	۸	 [Without active noise control] 	
	11	113	0	OPTICAL SENSOR	14	8		
		114	œ	CLUTCH INTERLOCK SW	15	W		
		115	0		19	٨		
Terminal Color Of	Circuit Monto (Conditions)	116	SB	STOP LAMP SW 1	23	4/B		
No. Wire	oignal realite [opecification]	118	d	STOP LAMP SW 2	25	W		
٦	ROOM ANT 2-	119	SB	DR DOOR UNLOCK SENSOR	56	SHIELD		
73 P	ROOM ANT 2+	121	œ	KEY SLOT SW	35	8		
74 SB	PASSENGER DOOR ANT-	123	Μ	IGN F/B	44	0		
88	PASSENGER DOOR ANT+	124	91	PASSENGER DOOR SW	20	>		
۸ 92	DRIVER DOOR ANT-	129	0	TRUNK LID OPENER CANCEL SW	51	>		
97	DRIVER DOOR ANT+	130	_	REAR DEFOGGER SW	52	GR		
1 82	ROOM ANT 1-	132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]	53	W		
79 R	ROOM ANT 1+	132		POWER WINDOW SW COMM [Coupe models]	54	9		
ŀ	NATS ANT AMP.	133	ی	PLISH BLITTON IGNITION SWILL POWER	55	œ		
ó		-	,		•	:		

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DEFOGGER (WITHOUT NAVI)						
Connector No. B6	Connector No. B82		58 SB		101 SB HYDRAUL	HYDRAULIC PUMP RELAY 1 +
	Γ		29 DG			SWITCHING VALVE 5
Connector Name FUSE BLOCK (J/B)	Connector Name WIRE TO WIRE	WIRE			8	HYDRAULIC UNIT GND
Connector Type NS12FBR-CS	Connector Type NS16FW-CS	Ş	61 R		×	REAR WINDOW DEF OUT 2
			62 R		111 R REARWII	REAR WINDOW DEF OUT 1
	E		63 R			
	V.E	7 EG EG EA	64 B			
		† CC OC	\dashv		Connector No. B311	
126 116 106	98	5 65 64 63 62 61 60 59 58	99 R		Connector Name REAR WINDOW DEFOGGER	JGGER
		ï			Connector Tyne 24340 65545	
			Connector No.	B304	1	
_) let	Signal Name (Specification)	Connector Name	SOFT TOP CONTROL UNIT	修	,
No. Wire	No. Wire			00 00000	\$ *	©
4 3	+		connector type	NS12FW-LS		Œ
* (93		Œ			=]
116 W -[Coune models]	+		華			
: >	╀		ν. Υ	148 49		
91 95	H				Terminal Color Of	
1	8				Wire	Signal Name [Specification]
	ł				t	
Connector No. B51	╀					
Т	1 29		Terminal Color Of			
Connector Name WIRE TO WIRE	63			Signal Name [Specification]	Connector No. B318	
Connector Type M04MW-LC	64 B		41 DG	TRUNK OPENER ACTUATOR	Γ	44.00
	. д		H	REAR WINDOW DEF IN 2	Connector Name KEAK WINDOW DEFORGER	JGGEK
	. Д		H	REAR WINDOW DEF IN 1	Connector Type 24348_51E61	
					1	
1 2					B	
8	Connector No. B302		Connector No.	8307	V.E	©
	Connector Name WIRE TO WIRE	WIRE	Connector Name	SOFT TOP CONTROL UNIT	li 3.	I
	Ī					2
	Connector Type NS16MW-CS	V-CS	Connector Type	NS16FW-CS]
Terminal Color Of Signal Name [Specification]	Œ		€.			
+	AMIT		至力		0-10	
, A B	1.5	52 53 54 55 56 57	H.S.		No Wire Signal Na	Signal Name [Specification]
1		20 20 20 20 20 20 20 20 20 20 20 20 20 2			$^{+}$	
	9	28 pol lo 1 lo 2 lo 3		97 98 98 IW	, , ,	
	I					
	- 1-		- 1-			
	Terminal Color Of	Signal Name [Specification]	Terminal Color Of	of Signal Name [Specification]		
	t		t	CIMITCHING VALVE A		
	32 N		+	SWITCHING VALVE 4		
	╀		+	SWITCHING VALVE 2		
	+		0 66	SWITCHING VALVE 1		
	57 8		100	HVDRAIIIC PIIMP RFI AV 2 +		
	\exists		4	TIONAGE COM MESS 4		

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REAR WINDOW DEFOGGER SYSTEM

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DEFOGGER (WITHOUT NAVI)						
Connector No. D1	Conn	Connector No.	D3	20 →		Connector No. D106
Connector Name WIRE TO WIRE	Conn	Connector Name	DOOR MIRROR (DRIVER SIDE)	51 Y		Connector Name CONDENSER
Connector Type TH40FW-CS15	Conn	Connector Type	TH08MW-NH	53 BG		Connector Type M01FW-LC
				54 GR		
15 14 13 12 11 10 9 8 7	÷	S.	4			S
(<u> </u>	1	1234	Connector No.	D33	<u>-</u>
			80	Connector Name	DOOR MIRROR (PASSENGER SIDE)	
Tarminal Color Of	Tormina	JOINT OF		Connector Type	TH08MW-NH	Torminal Color Of
No. Wire Signal Name [Specification]	No.	Wire	Signal Name [Specification]	Œ		
e SHIELD -		BR		Ě		1 Y .
> > >	7	- >			1 2 3 4	
. 9	1 4				80	Connector No. D107
┝	·	ω				١,
d	 					
11 V - [Without BOSE system]	 -			е Те	Signal Name [Specification]	Connector Type P01FB-A
4	Conn	Connector No.	D31	No. Wire	,	1
a (Comp	Connector Name	WIRE TO WIRE	1 BG		THAT .
14 SB - Coupe models)	Š	Connector Type	THADEW-CS15	45 - 2 E		H.S.
- M][1		, 4		
19 γ	Œ	_		80		
23 Y/8 -			15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			
H	1	ø.	The state of the s			
Ŗ	П		56 54 53 52 51 50 49 48 47 35 53 54 53 52 51 51 52 52 52 52 52 52 52 52 52 52 52 52 52	Connector No.	D101	lal
	_			Connector Name	WIRE TO WIRE	a)
4	7					2 8 -
+	Ļ			Connector Type	M04FW-LC	
48 SB	i i	No Wire	Signal Name [Specification]	Œ		Connector No. D201
╁	T T	+		至了		Т
H	10	>		Ź	2 1	Connector Name KEAK WINDOW DEFOGGEK
52 v -	11	91				Connector Type P01FB-A
53 BG -	12	Н	- [Without BOSE system]		t t	d
4	12	۵	- [With BOSE system]			B
4	= =	_ >	- [With BOSE system]	Torminal Color Of		[] Si
	12	. a	[without Bode system]	No Wire	Signal Name [Specification]	
	15	╁		+		<u>-</u>]
	19	>-		4 B]
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	Connector No. M3	Connector Name FLISE RLOCK (1/R)	П	Connector Type NS12FW-CS	4				120 110 100 90 70 60	11			Terminal Color Of	t	110	+	+	2C B	+	o c l'oranse models]			Connector No Mas	Ī	Connector Name WIRE TO WIRE	T	Connector lype TH40MW-CS15	Q.	ŀ	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 25 35 35 35 35 440 4	यात्र य त्यात्रा व्यवस्थातः । याद्यप्रशाहात्रात्र त्यात्र			Terminal Color Of Signal Name (Specification)	No. Wire Signer value (Specification)	e SHIELD -	Α	>- 8	. 9 6	H	11 V - [Without active noise control]	11 Y - [With active noise control]	12 BR - [With active noise control]	12 L - [Without active noise control]	13 8 .	14 Y -	15 W -	٨
	Connector No. M1	Connector Name FLISE BLOCK (1/8)	П	Connector Type NS06FW-M2	4		34	5	84 7A 6A 5A 4A				Terminal Color Of	t		+	3 44		> >	7 4 80	+	7 100		Commenter No.	T	Connector Name FUSE BLOCK (J/B)	T	Connector Type NS10FW-CS	4	(本方)	H.S. 4838		Ш			Terminal Color Of Signal Name (Specification)	No. Wire Spiral value [Specimeatori]	38 P	4B G	28 0	H		- 88 86						
	12 R -	+	14 GR -	15 P -	16 W -	17 SB -	91	BR	21 G - [Roadster models]	31 L .	32 Y .	36 V	37 y	 ł	+	+	+	42 50	, 8	44 OR - [Except to 10doster Hodels With M/1]	200	+	S 0	41111	58 SHELD	+	+	+	+	82 6	883 V	. 58	H	87 R		91 W -	- · · · · · · · · · · · · · · · · · · ·	93 6	94 Y	, , , , , , , , , , , , , , , , , , ,	98 GR	H	H						
DEFOGGER (WITHOUT NAVI)	al Color Of Signal Name (Sperification)	a	1 B			Connector No. E6	Connector Name IPDM 6/4 (INTELLIGENT POWER DISTRIBUTION INCOUSE ENGINE	ROOM	Connector Type TH08FW-NH				90	 17 77			l	Color OI Signal Name [Specification]			700	**/	- 2	98 3		9:	46 V			Connector No. E106	Connector Name WIRE TO WIRE	Connector Type TH80FW-CS16-TM4				× 00	*					No. Wire Signal Name [Specimeation]		. 1 8	4	7 B .		- 8 6	11 v .

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REAR WINDOW DEFOGGER SYSTEM

Connector No. M67	Connector Name A/C CONTROL		Connector Type TH10FB-NH			<u></u>	13	<u>+</u> Λ	9			Terminal Color Of Signal Name (Specification)	No. Wire	+	×	* (TX (SW_AINP)	+	6 B GROUND		Connector No. M118	Τ	Connector Name BCM (BODY CONTROL MODULE)	Connector Type M03FB-LC								Terminal Color Of Cimpl Name (Conference)	Wire	1 W BAT (F/L)	2 W POWER WINDOW POWER SUPPLY (BAT)	3 Y POWER WINDOW POWER SUPPLY (IGN)											
			- [Roadster models]	- [Coupe models]					M66	A/C ALITO ANAB	denote with	SAB40FW				6 7 1011 15 16 17	[24] [26][21] [25] [26][28][28][21]				Signal Name [Specification]	H-NPC	CAN-L	TX (AMP CONT)	RX (CONT_AMP)	LAN SIGNAL	EACH DOOR MOTOR POWER SUPPLY	SUNLOAD SENSOR SIGNAL	INTAKE SENSOR SIGNAL	ACC POWER SUPPLY GROUND	IGNITION POWER SUPPLY	ECV SIGNAL	REAR WINDOW DEFOGGER FEEDBACK SIGNAL	REAR WINDOW DEFOGGER ON SIGNAL	BLOWER MOTOR CONTROL SIGNAL	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL	AMBIENT SENSOR SIGNAL	IN-VEHICLE SENSOR SIGNAL	SENSOR GROUND	GROUND	BATTERY POWER SUPPLY						
1 9	+	o 	11 LG	11 γ	14 P	16 Y			Connector No.	Connector Name		Connector Type :	ą	夏	¥					Turnitud Color Of		t	2 P	. 1	7 p	10 BR	\dashv	+	2 F	13 8	20 G	24 0	26 R	27 L	32 P	34 G	35 v	98	37 GR	39 B	40 Y						
95					6 - [With A/T]	R - [With M/T]	. 0	. 9		SHIELD .			. 91	GR	> :	^			· ·		- M					. 0				Connector No. M24	L	Connector Name DATA LINK CONNECTOR	Connector Type BD16FW		F	31 11		3 4 5 6 7 8	4 0 0 +			Color Of Stand Name Consideration	Wire Signal Name [Specification]	LG - [Coupe models]	Y - (Roadster models)		
33	40	41	45	43	44	44	45	46	47	28	59	70	80	81	82	8	\$ 00 00 00 00 00 00 00 00 00 00 00 00 00	68	2 8	8	8 5	6	93	94	96	86	66	100		Conne		Conne	Conne		B	Ŧ	2					Terminal	No.	3	m	4	2
DEFOGGER (WITHOUT NAVI)		01								,						Т	WIRE TO WIRE	TO MAKE A PAGE OF THE PAGE OF THE	TH80MW-CS16-TM4	8			S S	3 2	F		Of Signal Name (Specification)					,		,			,				-						
DEFOGGEI	+	26 SHIELD	35 BR	44 L	47 B	48 SB	49 Y	50 W	51 R	52 L	53 W	54 G	55 R			Connector No.	Connector Name		Connector Type	1	新	H.S.					ler	No. Wire		۶ 4 ا	7 B	89	8	11 GR	12 R	13 L	14 G	15 P	16 W	17 BR	H	21 R	Н			37 Y	38 1.6

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LOCK IND	RECEIVER & SENSOR GND	RECEIVER & SENSOR POWER SUPPLY	TIRE PRESS RECEIV COMM	NO POSITION	SECURITY INDICATOR	COMBI SW OUTPUT 5	COMBI SW OUTPUT 1	COMBI SW OUTPUT 2	COMBI SW OUTPUT 3	COMBI SW OUTPUT 4	DRIVER DOOR SW	REAR WINDOW DEFOGGER RELAY CONT			M124	WIRETOWIRE		TH40MW-CS15			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	१६१७१६ १६ १०० १० १० १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५			Control of the later of the lat	ognal Name [specimeation]			- [Without active noise control unit]	- [With active noise control unit]	- [With active noise control]	- [Without active noise control]												
GR	۵	>	_	IJ	>	0	Ь	9	_	SB	SR.	9						ype						-	Color Of	Wire	SHEED	,	> 9	>	BR	> 0	0 3	s >-	4/Β	8	SHIELD	8	0	*	٨	GR	8	
134	137	138	139	140	141	142	143	144	145	146	150	151			Connector No.	Connector Name		Connector Type	þ	厚	Š				Terminal	No.	, ot	;	17	12	13	£ ;	4 4	19	23	25	56	35	44	20	5.1	52	53	
NATS ANT AMP.	IGN RELAY (F/B) CONT	KYLS ENT RECEIVER (FRONT) COMM	COMBI SW INPUT 5	COMBI SW INPUT 3	CAN-L	CAN-H	KEY SLOT ILL	ONIND	ACC RELAY CONT	A/T SHIFT SELECTOR POWER SUPPLY	SHIFT P/CLUTCH PEDAL POS SW	PASSENGER DOOR REQUEST SW	DRIVER DOOR REQUEST SW	BLOWER FAN MOTOR RELAY CONT	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	COMBI SW INPUT 1	COMBI SW INPUT 4	COMBI SW INPUT 2	HAZARD SW		5655	M123	BCM (BODY CONTROL MODULE)	TH40FG-NH			120 122 124 125 124 126 116 116 116 116 116 116 116	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Signal Name [Specification]	000000	CHITCHINTERLOCKSIM	,	STOP LAMP SW 1	STOP LAMP SW 2	DR DOOR UNLOCK SENSOR	KEY SLOT SW	IGN F/B	PASSENGER DOOR SW	TRUNK LID OPENER CANCEL SW	REAR DEFOGGER SW	P/W SW & SOFT TOP C/U COMM [Roadster models]	
*		GR	BR	>	Ь	L	FIG	>	0	٨	æ	GR	٨	0	LG	LG	R	٨	Ь			NO.	Name	Type							Color Of	Wire	9	. 0	SB	Ь	SB	æ	W	LG	0	٦	>	I
81	82	83	87	88	06	91	92	93	92	96	66	100	101	102	103	107	108	109	110		Connection	COILLIECTOI NO.	Connector Name	Connector Type	Œ.	Y.					Terminal	No.	110	115	116	118	119	121	123	124	129	130	132	
Connector No. M119	Control Country of the Country of th	BCIM (BODY CONTROL MODULE)	NS16FW-CS				4 0 8 8	11 13 14 15 17 18 19	10 11			Signal Name (Specification)	orginal warne [obscurration]	INTERIOR ROOM LAMP POWER SUPPLY	PASSENGER DOOR UNLOCK OUTPUT	ALL DOOR, FUEL LID LOCK OUTPUT	DRIVER DOOR, FUEL LID UNLOCK OUTPUT	BAT (FUSE)	GROUND	PUSH-BUTTON IGNITION SWILL GND	TUDAL CLOSES DEL LEGISTRE	THEN SIGNAL RH (FROM), SIDE)	ROOM LAMP TIMER CONTROL		M122	BCM (BODY CONTROL MODULE)	TH40EB-NH			[51 90 88 81	110 100 100 100 100 100 100 100 100 100				Signal Name [Specification]	ROOM ANT 2-	ROOM ANT 2+	PASSENGER DOOR ANT-	PASSENGER DOOR ANT+	DRIVER DOOR ANT-	DRIVER DOOR ANT+	ROOM ANT 1-	
\$ C.	Т		Г									Color Of	Wire	ď	9	^	9	BR	80	æ :	- 3	3 0	٥				Τ	1					•		Color Of	Wire	_	_	SB	BR	^	97	_	l
Connector No.		connector	Connector Type		信	Ę	2					lec	No.	4	5	8	6	11	13	14	2 :	1 0	19		Connector No.	Connector Name	Connector Type		δE	Į	2				E		7.2	73	74	75	92	77	78	İ

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BCM (BODY CONTROL MODULE)

Reference Value INFOID:0000000011916851

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
FK WIFEK FI	Front wiper switch HI	On
ED WIDER LOW	Other than front wiper switch LO	Off
FR WIPER LOW	Front wiper switch LO	On
ED WACHED OW	Front washer switch OFF	Off
FR WASHER SW	Front washer switch ON	On
	Other than front wiper switch INT	Off
FR WIPER INT	Front wiper switch INT	On
ED WIDED OTOD	Front wiper is not in STOP position	Off
FR WIPER STOP	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
TUDNI CIONIAL D	Other than turn signal switch RH	Off
TURN SIGNAL R	Turn signal switch RH	On
TUDNI CIONIAL I	Other than turn signal switch LH	Off
TURN SIGNAL L	Turn signal switch LH	On
TAIL LAMD CW	Other than lighting switch 1ST and 2ND	Off
TAIL LAMP SW	Lighting switch 1ST or 2ND	On
II DE AM CVA	Other than lighting switch HI	Off
HI BEAM SW	Lighting switch HI	On
LIEAD LAMB CW/4	Other than lighting switch 2ND	Off
HEAD LAMP SW 1	Lighting switch 2ND	On
LIEAD LAMB CW C	Other than lighting switch 2ND	Off
HEAD LAMP SW 2	Lighting switch 2ND	On
DA CCINIO CIVI	Other than lighting switch PASS	Off
PASSING SW	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
AUTO LIGHT SW	Lighting switch AUTO	On
FR FOG SW	NOTE: The item is indicated, but not monitored.	Off
DD FOC SW	Rear fog lamp switch OFF	Off
RR FOG SW	Rear fog lamp switch ON	On
DOOD CW DD	Driver door closed	Off
DOOR SW-DR	Driver door opened	On
DOOD CW AC	Passenger door closed	Off
DOOR SW-AS	Passenger door opened	On

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Monitor Item	Condition	Value/Status
DOOR SW-RR	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-RL	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-BK	Back door closed (Coupe models) Trunk lid closed (Roadster models)	Off
DOOK SW-BK	Back door opened (Coupe models) Trunk lid opened (Roadster models)	On
CDL LOCK SW	Other than door lock and unlock switch LOCK	Off
ODE LOOK OW	Door lock and unlock switch LOCK	On
CDL UNLOCK SW	Other than door lock and unlock switch UNLOCK	Off
ODE ONEOOK OV	Door lock and unlock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
NET OTE EN-OW	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
RET OTE ON OW	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 SW	Hazard switch is ON	On
REAR DEF SW	Rear window defogger switch OFF	Off
NOTE: For models with NAVI this item is not monitored.	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
TR CANCEL SW	Trunk lid opener cancel switch ON	On
TR/BD OPEN SW	Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models)	Off
TR/BD OPEN SW	 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
RNE-LOCK	LOCK button of the Intelligent Key is pressed	On
DIVE LINI OOK	UNLOCK button of the Intelligent Key is not pressed	Off
RKE-UNLOCK	UNLOCK button of the Intelligent Key is pressed	On
RKE-TR/BD NOTE:	TRUNK OPEN button of the Intelligent Key is not pressed	Off
For Coupe models this item is not monitored.	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
TARE I / W OI LIV	UNLOCK button of the Intelligent Key is pressed and held	On
BKE WODE CHO	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On

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Monitor Item	Condition	Value/Status
ODTICAL SENSOR	Bright outside of the vehicle	Close to 5 V
OPTICAL SENSOR	Dark outside of the vehicle	Close to 0 V
DEC 0W DD	Driver door request switch is not pressed	Off
REQ SW -DR	Driver door request switch is pressed	On
	Passenger door request switch is not pressed	Off
REQ SW -AS	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	Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models)	Off
NEQ OW -DD/TK	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
OGIT GVV	Push-button ignition switch (push switch) is pressed	On
IGN RLY2 -F/B	NOTE: The item is indicated, but not monitored.	Off
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off
CLUCH SW	The clutch pedal is not depressed	Off
NOTE: For A/T models this item is not monitored.	The clutch pedal is depressed	On
	The brake pedal is depressed when No. 7 fuse is blown	Off
BRAKE SW 1	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
DDAKE OW O	The brake pedal is not depressed	Off
BRAKE SW 2	The brake pedal is depressed	On
DETE/CANCL SW NOTE:	Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode)	Off
For M/T models with Synchro- Rev Match mode this item is not monitored.	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: For roadster M/T models and	 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
coupe M/T models without SynchroRev Match mode this tem is not monitored.	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	NOTE: The item is indicated but not monitored.	Off
S/L -UNLOCK	NOTE: The item is indicated but not monitored.	Off
S/L RELAY-F/B	NOTE: The item is indicated but not monitored.	Off
UNIT CENT DD	Driver door is unlocked	Off
JNLK SEN -DR	Driver door is locked	On
DUOLLOW ISSEE	Push-button ignition switch (push-switch) is not pressed	Off
PUSH SW -IPDM	Push-button ignition switch (push-switch) is pressed	On

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Monitor Item	Condition	Value/Status
ION DIVA E/D	Ignition switch in OFF or ACC position	Off
IGN RLY1 -F/B	Ignition switch in ON position	On
DETE SW -IPDM	Selector lever in any position other than P	Off
DETE SW -IPDIVI	Selector lever in P position	On
SFT PN -IPDM	 Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) 	Off
SI I FIN-IFDIN	 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
OI I I -IVIL I	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
SI I IN -IVIL I	Selector lever in N position	On
	Engine stopped	Stop
ENGINE STATE	While the engine stalls	Stall
ENGINE STATE	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L UNLK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L RELAY-REQ	NOTE: The item is indicated but not monitored.	Off
VEH SPEED 1	While driving	Equivalent to speedom eter reading
VEH SPEED 2	While driving	Equivalent to speedom eter reading
	Driver door is locked	LOCK
DOOR STAT-DR	Wait with selective UNLOCK operation (60 seconds)	READY
	Driver door is unlocked	UNLOCK
	Passenger door is locked	LOCK
DOOR STAT-AS	Wait with selective UNLOCK operation (60 seconds)	READY
	Passenger door is unlocked	UNLOCK
ID OK FLAG	Driver side door is open after ignition switch is turned OFF (Shift position is in the P position)	Reset
	Ignition switch ON	Set
DDMT FNC CTDT	The engine start is prohibited	Reset
PRMT ENG STRT	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
VEV SW. SLOT	The Intelligent Key is not inserted into key slot	Off
KEY SW -SLOT	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
RKE OPE COUN2	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key

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Monitor Item	Condition	Value/Status
CONFRAID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
CONFRM ID ALL	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
CONFIRM ID4	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
CONFIRMIDS	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done
CONFIDM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet
CONFIRM ID2	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done
CONFIDM ID4	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
CONFIRM ID1	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TD 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
TP 4	The ID of fourth Intelligent Key is registered to BCM	Done
TD 0	The ID of third Intelligent Key is not registered to BCM	Yet
TP 3	The ID of third Intelligent Key is registered to BCM	Done
TD 0	The ID of second Intelligent Key is not registered to BCM	Yet
TP 2	The ID of second Intelligent Key is registered to BCM	Done
TD 4	The ID of first Intelligent Key is not registered to BCM	Yet
TP 1	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 LF tire
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RF 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 REGOTTET	ID of front LH tire transmitter is not registered	Yet
ID REGST FR1	ID of front RH tire transmitter is registered	Done
ID REGGITINI	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
TO ANTINO LA MAIN	Tire pressure indicator ON	On
BUZZER	Tire pressure warning alarm is not sounding	Off
DULLEN	Tire pressure warning alarm is sounding	On

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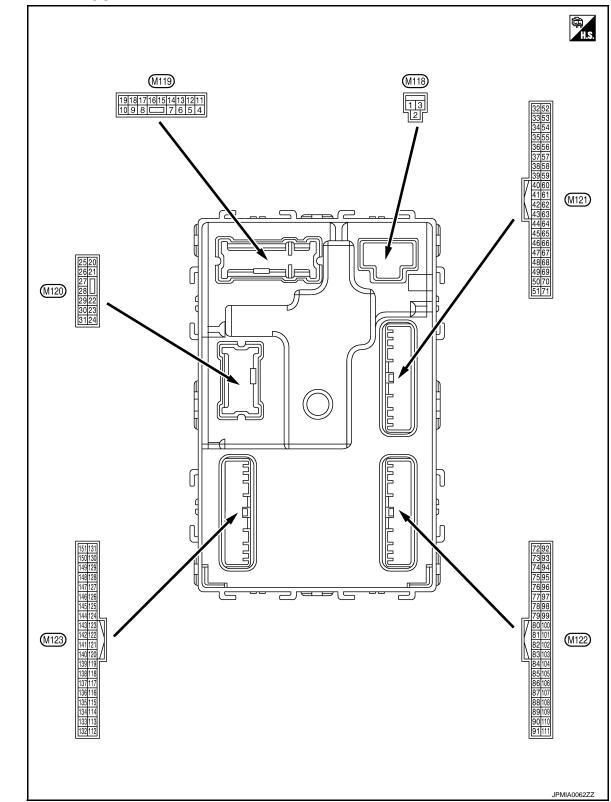
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TERMINAL LAYOUT



PHYSICAL VALUES

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	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
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 (IGN)	Output	Ignition switch (NC	12 V
					mp battery saver is activated. or room lamp power supply)	0 V
4 (R)	Ground	Interior room lamp power supply	Output	vated.	mp battery saver is not acti- erior room lamp power sup-	12 V
5	Ground	Passenger door UN-	Output	Passenger	UNLOCK (Actuator is activated)	12 V
(G)	Ground	LOCK	Output	door	Other than UNLOCK (Actuator is not activated)	0 V
8	Crownd	All doors, fuel lid	Outerut	All doors, fuel	LOCK (Actuator is activated)	12 V
(V)	Ground	LOCK	Output	lid	Other than LOCK (Actuator is not activated)	0 V
9	0	Driver door, fuel lid	Outrout	Driver door,	UNLOCK (Actuator is activated)	12 V
(G)	Ground	UNLOCK	Output	fuel lid	Other than UNLOCK (Actuator is not activated)	0 V
11 (BR)	Ground	Battery power supply	Input	Ignition switch (DFF	Battery voltage
13 (B)	Ground	Ground	_	Ignition switch (ON	0 V
					OFF	0 V
		Push-button ignition				NOTE: When the illumination brightening/dimming level is in the neutral position.
14 (R)	Ground	switch illumination ground	Output	Tail lamp	ON	10 0 2 ms
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	JSNIA0010GB Battery voltage
(1)					ACC	0 V

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(Wire co						Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
					Turn signal switch OFF	0 V
17 (W)	Ground	Turn signal RH (Front and side)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1 s
					Turn signal switch OFF	6.5 V 0 V
18 (O)	Ground	Turn signal LH (Front and side)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
19 (P)	Ground	Interior room lamp control	Output	Interior room lamp	OFF ON	12 V 0 V
				-	Turn signal switch OFF	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
23		Back door/Trunk lid		Back door/	OPEN (Back door/Trunk lid opener actuator is activated)	12 V
(L)*1 (Y)*2	Ground	open	Output	Trunk lid	Other than OPEN (Back door/Trunk lid opener actuator is not activated)	0 V
24*8	Ground	Rear fog lamp	Output	Rear fog lamp	OFF	0 V
(O)					ON Turn signal switch OFF	12 V 0 V
					Tutti Signal Switch OFF	U V
25 (LG)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s
				Luggogo room/	ON	6.5 V 0 V
30 (R)	Ground	Luggage room/Trunk room lamp	Output	Luggage room/ Trunk room lamp	OFF	12 V

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	nal No. color)	Description			Condition	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
34		Luggage room/Trunk		Ignition switch	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 1 s JMKIA0062GB
(G)	Ground	room antenna (-)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB
35		Luggage room/Trunk		Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1
(R)	Ground	room antenna (+)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB
38	Ground	Rear bumper anten-	Output	When the back door/trunk lid door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(B)	Giouria	na (–)	Output	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s

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	nal No.	Description				Value
+ (Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
39	One we de	Rear bumper anten-	0.4-4	When the back door/trunk lid door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(W)	Ground	na (+)	Output	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
47	Ground	Ignition relay (IPDM	Output	Ignition switch	OFF or ACC	12 V
(V)	0.00	E/R) control	- Carpar	.9	ON	0 V
				Ignition switch ON (A/T mod-	When selector lever is in P or N position	12 V
52	Ground	Starter relay control	Output	els)	When selector lever is not in P or N position	0 V
(SB)	Giodila	Starter relay control	Output	Ignition switch	When the clutch pedal is depressed	Battery voltage
				ON (M/T mod- els)	When the clutch pedal is not depressed	0 V
60	Cround	Push-button ignition	Innut	Push-button ig-	Pressed	0 V
(BR)	Ground	switch (Push switch)	Input	nition switch (push switch)	Not pressed	Battery voltage
					ON (Pressed)	0 V
61 (W)	Ground	Back door/Trunk Lid door request switch	Input	Back door/ Trunk lid door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB 1.0 V
64	Ground	Intelligent Key warn-	Output	Intelligent Key	Sounding	0 V
(G)	Giouna	ing buzzer	Output	warning buzzer	Not sounding	12 V
66 (R)	Ground	Back door/Trunk room lamp switch	Input	Back door/ Trunk room lamp switch	OFF (Door close)	(V) 15 10 5 0 10 ms 10 ms JPMIA0011GB
					ON (Door open)	11.8 V 0 V
					ON (DOOR OPER)	U V

< ECU DIAGNOSIS INFORMATION >

[COUPE]

	nal No. color)	Description				Value	А
+	-	Signal name	Input/ Output		Condition	(Approx.)	\wedge
					Pressed	0 V	В
67 (GR)	Ground	Back door/Trunk lid opener switch	Input	Back door/ Trunk lid open- er switch	Not pressed	(V) 15 10 5 0 10 ms JPMIA0011GB	C
						(V)	Е
		Ground Room antenna 2 (–)	2 (-) Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	15 10 5 0	F
72	Ground					JMKIA0062GB	G
(L)	Ground	(Center console)			When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0	Н
						JMKIA0063GB	.1
					When Intelligent Key is in the passenger compartment	(V) 15 10 5 0	К
						1 s JMKIA0062GB	DEF
73 (P)	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF			M
						(V) 15 10	1 V I
					When Intelligent Key is not in the passenger compartment	10 5 0 1 1 s	Ν
						JMKIA0063GB	0

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	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
74	Ground	Passenger door an-		When the passenger door request switch is	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB
(SB)	Si Suina	tenna (–)	Output	operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
75	Ground	Passenger door antenna (+)	Output	When the passenger door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 11 1 s JMKIA0062GB
(BR)	Glound				When Intelligent Key is not in the antenna detection area	(V) 15 10 5 11 1 s JMKIA0063GB
76	Ground	Driver door antenna (-)	Output	When the driver door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB
76 (V)					When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB

< ECU DIAGNOSIS INFORMATION >

	nal No. e color)	Description			Condition	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
77	Ground	Driver door antenna	Output	When the driver door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(LG)	Glound	(+)	Сири	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
78*2		Room antenna 1 (–)		Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
78* ² (L)	Ground	(Instrument panel)	Output	ÖFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB
					When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
79* ² (R)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

< ECU DIAGNOSIS INFORMATION >

	nal No. e color)	Description			Constitues	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent 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 Intelligent 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 12 V
83 (GR) Ground	Remote keyless entry receiver (front) com-	Input/	During waiting		(V) 15 10 5 0 1 ms JMKIA0064GB	
	Glound	munication	Output	When operating gent Key	either button on the Intelli-	(V) 15 10 5 0 1 ms JMKIA0065GB
		Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB
87 (BR)	Ground				Rear fog lamp switch ON (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 2 Wiper intermittent dial 6 Wiper intermittent dial 7	(V) 15 10 5 0 2 ms JPMIA0040GB

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description			0 1111	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB
					Lighting switch HI (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms
88 (V) Ground	Ground	Combination switch INPUT 3	Input	Combination switch	Lighting switch 2ND (Wiper intermittent dial 4)	1.3 V
						10 5 0 2 ms JPMIA0037GB 1.3 V
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 2 Wiper intermittent dial 3	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V
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 Blinking ON	0 V (V) 15 10 5 0 JPMIA0015GB 6.5 V 12 V
	1				OFF (LOCK indicator is	Battery voltage
93	Ground	ON indicator lamp	Output	Ignition switch	not illuminated)	Dattery voltage

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
95	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
(O)	Oround	Noo relay control	Output	ignition switch	ACC or ON	12 V
96* ³ (Y)	Ground	A/T shift selector (Detention switch) power supply	Output		_	12 V
		Selector lever P posi-		Colootorilovor	P position	0 V
6	.6	tion switch (A/T mod- els)		Selector lever	Any position other than P	12 V
99* ⁶ (R)	Ground	Clutch pedal position switch (M/T models	Input	Clutch pedal position switch	OFF (Clutch pedal is depressed)	0 V
		without SynchroRev Match mode)			ON (Clutch pedal is not depressed)	Battery voltage
					ON (Pressed)	0 V
100 (GR)	Ground	Passenger door request switch	Input	Passenger door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB 1.0 V
					ON (Pressed)	0 V
101 (Y)	Ground	Driver door request switch	Input	Driver door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB
102	Ground	Blower fan motor re-	Output	Ignition switch	OFF or ACC	0 V
(O)	Ground	lay control	Output	ignition switch	ON	12 V
103 (LG)	Ground	Remote keyless entry receiver (front) power supply	Output	Ignition switch (DFF	12 V

< ECU DIAGNOSIS INFORMATION >

[COUPE]

(Mire color)		Description				Value	
+	lor)	Signal name	Input/ Output		Condition	(Approx.)	
					All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB	
					Turn signal switch LH	(V) 15 10 5 0 2 ms JPMIA0037GB 1.3 V	
107 (LG) Gi	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermit- tent dial 4)	Turn signal switch RH	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V	
					Front wiper switch LO	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V	
					Front washer switch ON	(V) 15 10 5 0 JPMIA0039GB	

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< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value	
+ (Wire	color)	Signal name	Input/ Output		Condition	(Approx.)	
		Combination switch	Input	Combination	All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB	
108	Ground				Lighting switch AUTO (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V	
(R)	Gloane	INPUT 4		switch	Lighting switch 1ST (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V	
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 5 Wiper intermittent dial 6	(V) 15 10 5 0 2 ms JPMIA0039GB 1.3 V	

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
(Wire +	color)	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
					Lighting switch PASS	(V) 15 10 5 0 2 ms JPMIA0037GB
109 (Y) G	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermittent dial 4)	Lighting switch 2ND	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V
					Front wiper switch INT	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V
					Front wiper switch HI	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V
					ON	0 V
110 (P)	Ground	Hazard switch	Input	Hazard switch	OFF	(V) 15 10 5 10 ms JPMIA0012GB 1.1 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)
113	Ground	Optical sensor	Input	Ignition switch	When bright outside of the vehicle	Close to 5 V
(O)	Ground		mput	ON	When dark outside of the vehicle	Close to 0 V
114*4	Ground	Clutch interlock	Input	Clutchinterlock	OFF (Clutch pedal is not depressed)	0 V
(R)	Ground	switch	mput	switch	ON (Clutch pedal is depressed)	Battery voltage
115* ⁹ (O)	_	_	_		_	_
116 (SB)	Ground	Stop lamp switch 1	Input		_	Battery voltage
118	Ground		Innut	Stop lamp	OFF (Brake pedal is not depressed)	0 V
(P)	Ground	Stop lamp switch 2	Input	switch	ON (Brake pedal is depressed)	Battery voltage
119 (SB)	Ground	Driver side door lock assembly (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	(V) 15 10 5 0 JPMIA0012GB
					UNLOCK status (Unlock switch sensor ON)	0 V
121	Crownd	Kay alat awitah	laat	When the Intellig	gent Key is inserted into key	12 V
(R)	Ground	Key slot switch	Input	When the Intelliq	gent Key is not inserted into	0 V
123	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
(W)			•		ON	Battery voltage
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	(V) 15 10 5 0 10 ms JPMIA0011GB
					ON (Door open)	0 V

< ECU DIAGNOSIS INFORMATION >

(Mire color)		Description			0185	Value
+	- COIOT)	Signal name	Input/ Output		Condition	(Approx.)
129* ² (O)	Ground	Trunk lid opener can- cel switch	Input	Trunk lid open- er cancel switch	CANCEL	(V) 15 10 5 0 10 ms JPMIA0012GB
					ON	0 V
130* ⁷ (L)	Ground	Rear window defog- ger switch	Input	Ignition switch ON	Rear window defogger switch OFF	(V) 15 10 5 0 10 ms JPMIA0012GB
				Rear window defogger switch ON	1.1 V 0 V	
132 (Y)* ¹ (V)* ²	Ground	Power window switch and soft top control unit communication	Input/ Output	Ignition switch C	DN	(V) 15 10 5 0 10 ms JPMIA0013GB
				Ignition switch C	OFF or ACC	12 V
				ig.men emien e	ON (Tail lamps OFF)	9.5 V
			Output	Push-button ig- nition switch il- lumination	(-aapo 011)	NOTE: The pulse width of this wave is varied by the illumination brightening/dimming level.
133 (G)	Ground	Push-button ignition switch illumination			ON (Tail lamps ON)	(V) 15 10 5 0
					OFF	0 V
134	Cressia	LOCK in diseases less	Outracet	LOCKindicator	OFF	Battery voltage
(GR)	Ground	LOCK indicator lamp	Output	lamp	ON	0 V
137 (P)	Ground	Receiver and sensor ground	Input	Ignition switch C	DN	0 V
138	Graves	Receiver and sensor	Outros	Ignition overteb	OFF	0 V
(V)	Ground	power supply	Output	Ignition switch	ACC or ON	5.0 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
+ (Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
		Tire pressure receiver communication	Input/ Output	Ignition switch OFF (Remote key-	During waiting	(V) 15 10 5 0 1 ms JMKIA0064GB
139 (L)	Ground			less entry re- ceiver communica- tion)	When operating either button on the Intelligent Key	(V) 15 10 5 0 1 ms JMKIA0065GB
				Ignition switch ON (Tire pressure receiver com- munication)	Standby state	(V) 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
					When receiving the signal from the transmitter	(V) 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Selector lever P/N position (A/T models)		Selector lever	P or N position	12 V
140* ⁵	Ground	Park/neutral position	Input		Except P and N positions Control lever in neutral po-	0 V
(G)	Ground	switch (Coupe M/T models with Synchro- Rev Match mode)	mput	Ignition switch ON	sition Control lever in any position other than neutral	Battery voltage 0 V
					ON	0 V
141 (Y)	Ground	Security indicator lamp	Output	Security indicator lamp	Blinking	(V) 15 10 5 0 JPMIA0014GB
				OFF	11.3 V 12 V	
					J	1

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description			Condition	Value
+	_	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF	0 V
					Lighting switch 1ST	
				Combination	Lighting switch HI	(V)
142	Ground	Combination switch	Output	switch	Lighting switch 2ND	10
(O)	Cround	OUTPUT 5	Carpar	(Wiper intermittent dial 4)	Turn signal switch RH	0 2 ms JPMIA0031GB
					All switches OFF (Wiper intermittent dial 4)	10.7 V 0 V
					Front wiper switch HI (Wiper intermittent dial 4)	(Y)
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	Any of the conditions below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7	15 10 5 0 2 ms JPMIA0032GB
					All switches OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4)	(V)
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 5 Wiper intermittent dial 6	15 10 5 0 2 ms JPMIA0033GB
					All switches OFF	0 V
					Front wiper switch INT	
				O a marketing of the co	Front wiper switch LO	(V)
145	0	Combination switch	0	Combination switch	Lighting switch AUTO	15
(L)	Ground	ОИТРИТ 3	Output	(Wiper intermittent dial 4)	Rear fog lamp switch ON	2 ms JPMIA0034GB
					All switches OFF	10.7 V 0 V
					Lighting switch 2ND	- V
					Lighting switch PASS	(V)
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	Turn signal switch LH	15 10 5 0 2 ms
						10.7 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value						
+ (Wire	color)	Signal name	Input/ Output		Condition	(Approx.)						
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	(V) 15 10 5 0 10 ms JPMIA0011GB						
					ON (Door open)	0 V						
151	Ground	Rear window defog-	Output	Rear window	Active	0 V						
(G)	Giodila	ger relay control	Output	defogger	Not activated	Battery voltage						

^{*1:} Coupe models

^{*2:} Roadster models

^{*3:} A/T models

^{*4:} M/T models

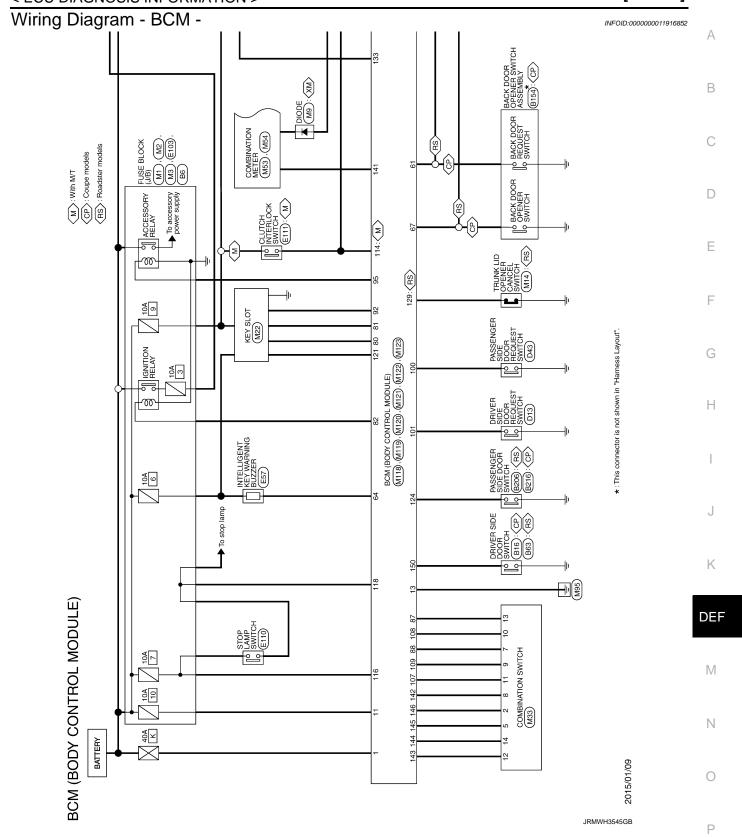
^{*5:} With A/T or coupe models with M/T and SynchroRev Match mode

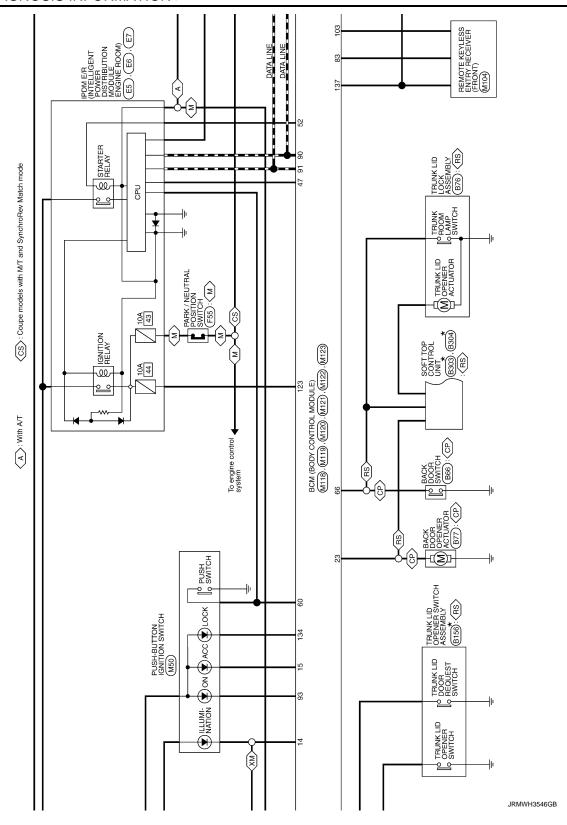
^{*6:} With A/T or with M/T without SynchroRev Match mode

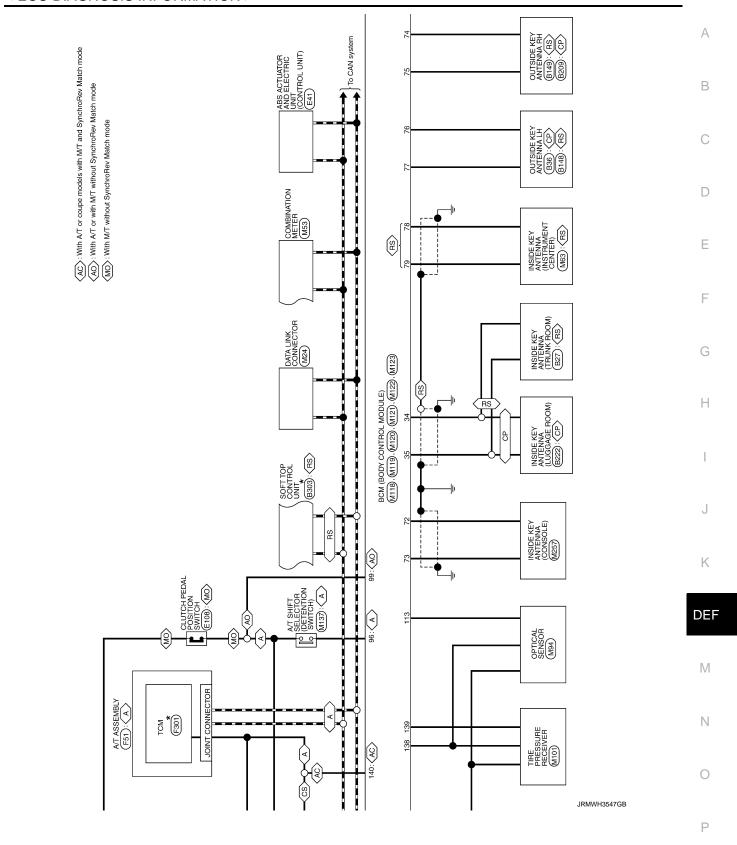
^{*7:} Without NAVI

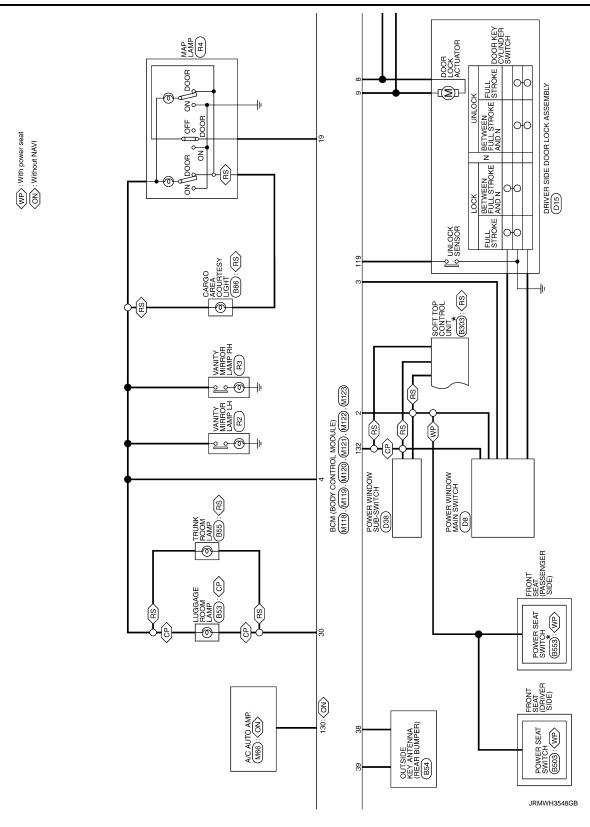
^{*8:} With rear fog lamp

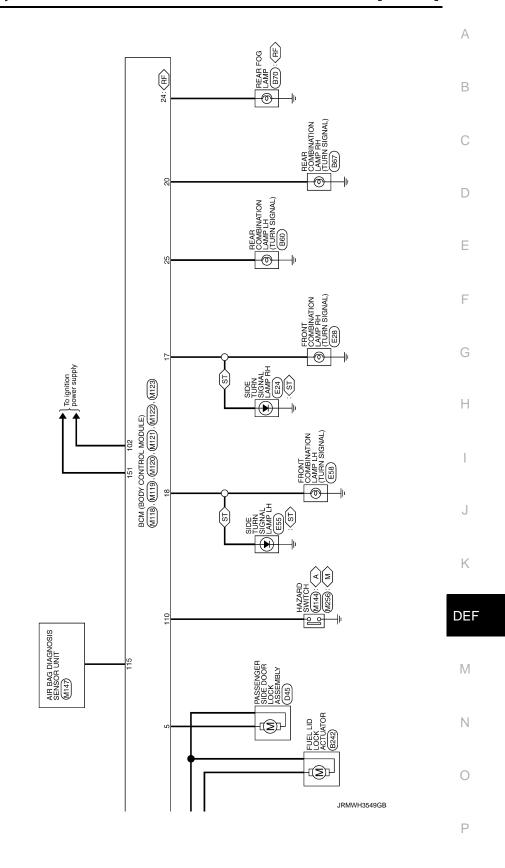
^{*9:} BCM does not use this terminal for control.











⟨RF⟩: With rear fog lamp
⟨ST⟩: With side turn signal lamp

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855	TRUNK ROOM LAMP	S02FW		Signal Name [Specification]					B60	REAR COMBINATION LAMP LH	RS06FGY-PR		Ę	(3 6 2)		Signal Name [Specification]		- [Coupe models]	- [Roadster models]			
				Color Of Wire	BR	В					Τ					Color Of Wire	ŋ	В	^		9	BG
Connector No.	Connector Name	Connector Type	H.S.	Terminal No.	11	2		Į	Connector No.	Connector Name	Connector Type	þ	厚	2		Terminal No.	1	2	2	m	4	9
B53	LUGGAGE ROOM LAMP	CJ02FGY	Œ	Signal Name [Specification]					854	OUTSIDE KEY ANTENNA (REAR BUMPER)	RK02FGY		≪	{	21)	Signal Name [Specification]						
Connector No.	Connector Name	Connector Type	E.S.	Terminal Color Of No. Wire	1 BR	2 R			Connector No.	Connector Name	Connector Type	þ	F	Ċ.		Terminal Color Of No. Wire	1 W	2 B				
Connector No. B27	Connector Name INSIDE KEY ANTENNA (TRUNK ROOM)	Connector Type RK02FGY	(18) (18)	Terminal Color Of Signal Name (Specification)	1 v	2 SB .			Connector No. B36	Connector Name OUTSIDE KEY ANTENNA LH	Connector Type RK02MGY	á				Terminal Color Of Signal Name [Specification]	1 16	2 V				
BCM (BODY CONTROL MODULE) Connector No. B6	FUSE BLOCK (J/B)	NS12FBR-CS	50, FUE 105 FU	Signal Name [Specification]	- [Roadster models]	- [Coupe models]	- [Roadster models]	- [Coupe models]				816	DRIVER SIDE DOOR SWITCH	AO3FW		2]	Signal Name [Specification]			
A (BOD) tor No.	Connector Name	Connector Type	16	al Color Of Wire	а	W	9	4	>	PP		Connector No.	Connector Name	Connector Type	رة	ı			le.	_	SR.	
BCM (B.	Connect	Connec	语.H.S.	Terminal No.	106	106	116	116	126	20		Connec	Connec	Connec	優 HS.				Termin	No	2	

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Connector No. 886 Connector Name Cukilo AREA COURTESY LIGHT Connector Type \$1927*W	Terminal Golder CPT Signal Name Specification	
Connector No. 676 Connector Name IRUNK LID LOCK ASSEMBLY Connector Type NSD3FWLCS H.S. 12 3	Terminal Color Cof Signal Name Specification 1	
Connector No. 1867 Connector Name REJAR COMBINATION LAMP RH CONNECTOR Type REGISTION PR	Terminal Color Of Signal Name Specification	
BCM (BODY CONTROL MODULE) Connector No. 863 Connector Name pitt VER SIDE DOOR SWITCH CONNECTOR AGSEW H.S.	Terrmina Color Of Signal Name Specification	

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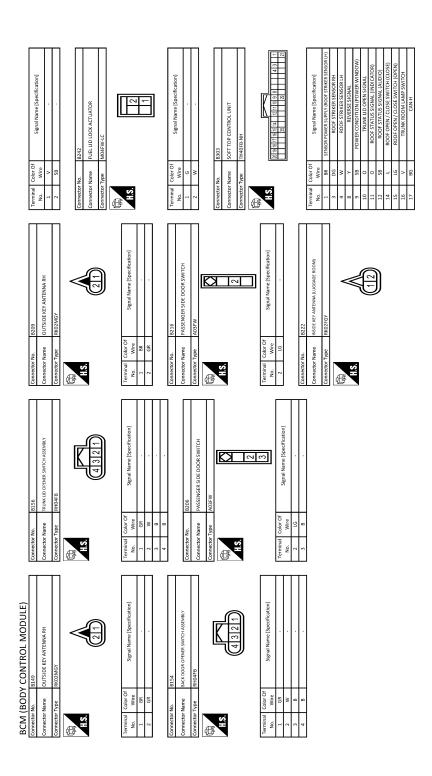
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0 -		000	!	NO N		2	9		_
	ame [Specification]	7 6	GR >	DOOR KEY CYLINDER LOCK DOOR KEY CYLINDER UNLOCK		No.		Signal Name [Specification]	<u>, .</u>
	ame [Specification]	9 7 8	GR > 1	DOOR KEY CYLINDER LOCK DOOR KEY CYLINDER UNLOCK UP		No 2	$\neg \sqcap$	signar Name [specification]	
L W/R W		111	+++	ENCODER SIG 2 IGN IGN DOWN		ı			ı
8 B		12 12	+	SERIAL LINK [Coupe models] SERIAL LINK [Roadster models]					
		13	w 9	ENCODER SIG 1 ENCODER GND					
		15	+	GND					

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Connector No. [E41	Connector Name ASS ACTUATOR AND ELECTRIC UNIT (CONTROLUNIT)	Connector Type BAA42FB-AHZ4-LH	1	H.S. (E. 1915) 1918 4 3 2 1		lal	No. Wire GROIND		æ	4 B GROUND	5 Y DSFL	6 BG DP.R.L	BR	2 B	: a	>	26 LG DP.FL	GR	9	30 SR BIS	+	1	45 B BUS-H		Connector No F55	و	,	Connector Type KKUZPGY	4	✓ Et	W. C.)			
73 GR -	Н	75 SB	77 R 80 W	Connector No. E24	٩ ,			ST.					le l	NO. WIFE	2 8			Connector No. E28	Connector Name FRONT COMBINATION LAMP RH	Connector Type RS06FGV-DR	1			(3 7 6)	(4 5 8)			Lerminal Color Of Signal Name [Specification]	$^{+}$	4 B/W		- 91 9	+	d 8			
Connector No.	Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENSINE	Connector Type THOSEW-NH	1	42 41 40 39	46 45 44 43	ler.	No. Wire	40	41 B/W	42 Y -	43 SB .	\dashv		4b V		Connector No. E7	Connector Massa (PDM F/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE	П	Connector Type TH20FW-CS12-M4	4		5.3 5-4 55 55 5 5 5 8 6 8 7 10 174 73	4849 51 80			Terminal Color Of Signal Name (Specification)	Wire	48 L	+	53 W	54 V .	Н	\dashv	57 6	+	╀	Н
BCM (BODY CONTROL MODULE) Connector No. 1045	Connector Name PASSENGER SIDE DOOR LOCK ASSEMBLY	Connector Type E06FGY-RS				- a	No. Wire	2 16	ł		Connector No. E5	Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE	Т	nnector type TH20FW-CS12-M4-1V			1	4 5 7 16 18 19 36			Terminal Color Of	No. Wire Signal Name [Specification]	4 v		7 R -[Coupe models]	B/W	13 Y	10 I/0	\downarrow	L		Н	36 G .				

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BCM (BODY CONTROL MODULE) Terminal Color of 1	Connector No.	E103	Connector No.	6110	Connector No.	F51	
Sig	Connector Name	FUSE BLOCK (J/B)	ا ا	STOP LAMP SWITCH	Connector Name	A/TASSEMBLY	
1 G - [Roadster models]		10 (1) 10 000 000	. [100000000000000000000000000000000000000	
1 GR - [Coupe models]	Connector Type	NS16FW-CS	Connector Type	M04FW-LC	Connector Type	RK10FG-DGY	
	E		E		Œ	≪	
	<u> </u>	ke hell hehe	¥	Ţ	¥		
Connector No. E57]		1 2		(5 4 3 2 1	
Connector Name INTELLIGENT KEY WARNING BUZZER		111 91 81		3 4		10 9 8 7 6	
Connector Type RK03FBR	П						
1	SO-1-0		Toronto Indiana		V-1-0		
A CAST	No Wire	Signal Name [Specification]	No Wire	Signal Name [Specification]	No Wire	Signal Name [Specification]	
	t		t	1	t	IGNITION POWER SUPPLY	
	╀		2 W		2 BR	BATTERY POWER SUPPLY (MEMORY BACK-UP)	
	╀		9		3	CAN-H	
	4F G		4 P		4	K-LINE	
	6F BG				2	GROUND	
Terminal Color Of	8F L	,			· 9	IGNITION POWER SUPPLY	
No. Wire Signal Name [Specification]	9F R	- [Coupe models]	Connector No.	E111	7 W	BACK-UP LAMP RELAY	
+BAT (VOL	> 16	- (Roadster models)	Г	TOTAL STORY OF THE PARTY OF THE	8	CAN-L	
3 R BUZZER SIGNAL			Connector Name	CEUTCH INTEREDCK SWITCH	9 GR	STARTER RELAY	
			Connector Type S	SOZFL	10 B	GROUND	
	Connector No.	E108	ą				
Connector No. E58	Connector Name	CLUTCH PEDAL POSITION SWITCH	修	[
Connector Name FRONT COMBINATION LAMP LH			٤	<u>C</u>	Connector No.	F55	
Т	Connector Type	S02FL	e l	£	Connector Name	PARK / NEUTRAL POSITION SWITCH	
Connector Type RS06FGY-PR	ą			2 1			
ģ	1	[Connector Type	RK02FB	
	S				4	•	
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		2.1	No Min	Signal Name [Specification]	SH	\leq	
(4 5 8)			+			£	
			p @				
	Terminal Color Of		1)	
Terminal Color Of Cincol Mona (Consideration)		Signal Name [Specification]					
No. Wire Specification)	1 6	- [Without SynchroRev Match mode]) lei	Signal Namo (Snorification)	
3 B	1 SB	- [With SynchroRev Match mode]			No. Wire		
4 B/W	2 B	- [With SynchroRev Match mode]			1 6		
	2 BR	- [Without SynchroRev Match mode]			2 W		
6 GR .							
7 16 -	1						
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	Connector Name KFY SLOT Connector Type TH12FW-NH	H.S. 7 2 3 5 6 6 7 111	Terminal Color Of Signal Nat No. Wire	2 GR CLOCK 3 W DATA 5 v 111 pAT	7 8	11 R KEY SWITCH SIGNAL	Connector No. M24 Connector Name DATA LINK CONNECTOR	Connector Type (80.1674)	Terminal Color Of Signal Name [Specification] No. Write No. Wire Signal Name [Specification]		$^{+}$	8 G Roadster models	> 4
	Connector Type 24335_C9900	SH SH	Terminal Color Of Signal Name [Specification] No. Wire W W W W W W W W W	2 R	Connector No. M14	Connector Type \$502FW	H.S.	Terminal Color Of Signal Name (Specification)				1	
П	Connector Name FUSE BLOCK (I/B) Connector Type NS10FW-CS	H.S. H.S. BEB BEB BEB BEB BEB BEB BEB BEB BEB BE	Terminal Color Of Signal Name [Specification] No. Wire 9	48 G	88 R 89 S		Connector No. M3 Connector Name FUSE BLOCK (J/B) Connector Type NS12FW-CS		No. Wire Signal Name [Specification] No. Wire Signal Name Signal Name	Н	$^{+}$	-	
ՃΠ	Connector Name TCM Connector Type SP10FG	H.S. (12 3 4 5)	÷	2 B BATTERY POWER SUPPLY (MEMORY BACK-UP) 3 R CAN-H	0 8	l BR	9 Y STARTER RELAY 10 W/B GROUND	Connector No. Connector Name Fust BLOCK (J/R) Connector Type Stock Type Sto	BA (Albahahum)	Terminal Color Of Signal Name [Specification] No. Wire	Н	4A P .	

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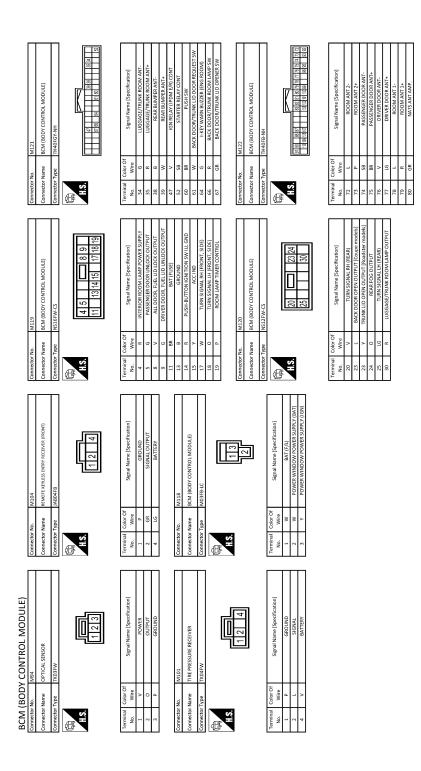
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Connector No. Miss A/C AUTO AMP.	Terminal Code	
Connector No. MIS-4 Connector Name COMBINATION NATER Connector Type THI-GEW AND THI-GEW AN	Terminal Cohe O Signal Name [specification] No. Wire ALIENDACIOS/SIGNAL 28 W ALIENDACIOS/SIGNAL 28 W ALIENDACIOS/SIGNAL 29 G State	
Connector No. Miss Connector No. CONNECTOR CONNECTOR PARTIES AND CONNECTOR TO THE AND CONNECT	Terminal Color Of Signal Name Specification No. Wire Shiften Powers Supply 1 V V Shiften Powers Supply V V V V V V V V V	
BCM (BODY CONTROL MODULE) Connector Name CONDINATION SWITCH	Terminal Color Of Signal Name (Specification) No. Wire FRINGSHER (1) 2 Signal Name (Specification) 1 2 Signal Name (Specification) 2 Signal Name (Specification) 1 Signal Name (Specif	
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JRMWH3558GB

141 6	SECONT S	IN I ROL INIODOLE) INATS ANT AMP. IGN RELAY (F/B) CONT COMBI SW INPUT 5	134 137 138 139	R	LOCK IND RECEIVER & SENSOR GND RECEIVER & SENSOR POWER SUPPLY THE PRESS RECEIV COMM	Connector No. Connector Name Connector Type	ПП	M144 HAZARD SWITCH TKO4FW	52 53 54 57	8 × 8 O	SATELLITE RH2 (-) SATELLITE LH2 (+) SATELLITE LH2 (-) DEPLOYMENT_INFORMATIOM_OUTPUT
151 G REAR WINDOW DIFOGGER RELAY COM 160 11	COMBI SW INPUT3 CAN-L CAN-L KEYSLOTILL ON IND ACCREAY CONT AT SHIFT SRECTOR POWER SHIFT PATILITY BERDAN	INPUT3 L H TILL IO TOONT FOONT	141 142 143 144 144 146 146	S S - 0 - 0	PAMPOSITION SECURITY NODICATOR COMBISSION DUTPUT 5 COMBISSION DUTPUT 1 COMBISSION DUTPUT 3 COMBISSION DUTPUT 3 COMBISSION DUTPUT 4 PRIVER PRODE SAW	H.S.		3 12 4	59 60 Connector Connector		SWITCH
1 2 3 4 5 5 7 8 9 10 5 5 6 7 8 9 10 5 5 6 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 8 9 10 5 5 7 10 5 5 5 5 5 5 5 5 5	PASSEN FORDOR DRIVER DOOR BLOWER FAN MOT KYLS ENT RECEIVER (F COMBI SW COMBI SW COMBI SW HAYAR BW	REQUEST SW REQUEST SW OTOR RELAY CONT (FRONT) PWR SUPPLY W INPUT 1 WW INPUT 2	Connecto Connecto Connecto	or No.	REAR WINDOW DEPOGER RELAY CONT M437 A/T SHIFT SELECTOR TK10FW	Terminal No. 1 2 2 3 3 4 4		Signal Name (Specification) GROUND BCM ILL+	任S.		3124
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22 SHILD GND 2 1 23 R ARRAGWIL 2 1 24 P SEN BELL 2 R 24 P SEN BELL 2 R 25 R CUPOFFTELIALE R	DR DOG	DR DOOR UNLOCK SENSOR KEY SLOT SW IGN F/B PASSENGER DOOR SW				8 6 81 18 19	> > & _	AS 2 (+) AS 2 (-) ECZS (+) ECZS (-)	Terminal No.	Color Of Wire G	Signal Name [Specification] - [Roadster models] - [Coupe models]
	TRUNK LID OPEN REAR DEFO P/W SW & SOFT TOP C/U C POWER WINDOW SW C					22 23 24 24 25	SHELD R R	GND AIRBAG W/L SEAT BELT CUTOFF TELLTALE	2 2	~	- [Coupe models] - [Roadster models]

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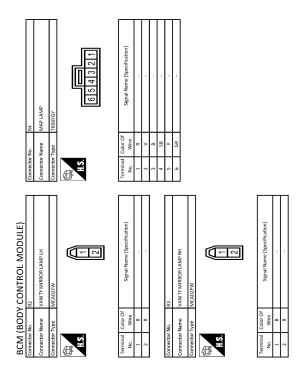
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Revision: 2015 June **DEF-77** 2016 370Z



JRMWH3560GB

INFOID:0000000011916853

FAIL-SAFE CONTROL BY DTC

Fail-safe

BCM performs fail-safe control when any DTC are detected.

< ECU DIAGNOSIS INFORMATION >

[COUPE]

Display contents of CONSULT	Fail-safe	Cancellation
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
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent Starter control relay signal Starter relay status signal
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent • Starter motor relay control signal • Starter relay status signal (CAN)
B260A: IGNITION RELAY	Inhibit engine cranking	 500 ms after the following conditions are fulfilled 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 • Power position changes to ACC • Receives engine status signal (CAN)
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
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization
B26E8: CLUTCH SW	Inhibit engine cranking	When any of the following BCM recognition conditions are fulfilled • Status 1 - Clutch switch signal (CAN from ECM): ON - Clutch interlock switch signal: OFF (0 V) • Status 2 - Clutch switch signal (CAN from ECM): OFF - Clutch interlock switch signal: ON (Battery voltage)

DTC Inspection Priority Chart

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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	U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN)	
3	B2190: NATS ANTENNA AMP B2191: DIFFERENCE OF KEY B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI SCANNING	

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< ECU DIAGNOSIS INFORMATION >

[COUPE]

Priority	DTC
4	 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 B2608: STARTER RELAY B2608: STARTER RELAY B2607: ENG STATE SIG LOST B2614: BCM B2615: BCM B2616: BCM B2617: BCM B2618: BCM B2618: BCM B2618: CLUTCH SW B2626: VEHICLE TYPE B2668: CLUTCH SW B2668: CLUTCH SW B266A: KEY REGISTRATION C1729: VHCL SPEED SIG ERR U0415: VEHICLE SPEED SIG
5	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] RR C1711: [NO DATA] RL C1716: [PRESSDATA ERR] FL C1717: [PRESSDATA ERR] FR C1718: [PRESSDATA ERR] RR C1719: [PRESSDATA ERR] RR C1719: [PRESSDATA ERR] RL C1734: CONTROL UNIT
6	B2621: INSIDE ANTENNA B2622: INSIDE ANTENNA B2623: INSIDE ANTENNA

DTC Index

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-10, "COM-MON ITEM: CONSULT 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
No DTC is detected. further testing may be required.	_	_	_	_	_
U1000: CAN COMM CIRCUIT	_	_	_	_	BCS-49
U1010: CONTROL UNIT (CAN)	_	_	_	_	BCS-50
U0415: VEHICLE SPEED SIG	_	_	_	_	BCS-51

< 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	A B
B2190: NATS ANTENNA AMP	×	_	_	_	<u>SEC-46</u>	Ь
B2191: DIFFERENCE OF KEY	×	_	_	_	<u>SEC-49</u>	
B2192: ID DISCORD BCM-ECM	×	_	_	_	<u>SEC-50</u>	С
B2193: CHAIN OF BCM-ECM	×	_	_	_	<u>SEC-52</u>	
B2195: ANTI SCANNING	×	_	_	_	<u>SEC-53</u>	
B2553: IGNITION RELAY	_	×	_	_	PCS-54	D
B2555: STOP LAMP	_	×	_	_	<u>SEC-54</u>	
B2556: PUSH-BTN IGN SW	_	×	×	_	SEC-56	Е
B2557: VEHICLE SPEED	×	×	×	_	<u>SEC-58</u>	
B2560: STARTER CONT RELAY	×	×	×	_	SEC-59	
B2562: LOW VOLTAGE	_	×	_	_	BCS-52	F
B2601: SHIFT POSITION	×	×	×	_	SEC-60	
B2602: SHIFT POSITION	×	×	×	_	SEC-63	G
B2603: SHIFT POSI STATUS	×	×	×	_	SEC-66	O
B2604: PNP SW	×	×	×	_	<u>SEC-69</u>	
B2605: PNP SW	×	×	×	_	<u>SEC-71</u>	Н
B2608: STARTER RELAY	×	×	×	_	<u>SEC-73</u>	
B260A: IGNITION RELAY	×	×	×	_	PCS-56	
B260F: ENG STATE SIG LOST	×	×	×	_	<u>SEC-75</u>	I
B2614: BCM	_	×	×	_	PCS-58	
B2615: BCM	_	×	×	_	PCS-61	J
B2616: BCM	_	×	×	_	PCS-64	
B2617: BCM	×	×	×	_	<u>SEC-79</u>	
B2618: BCM	×	×	×	_	PCS-67	K
B261A: PUSH-BTN IGN SW	_	×	×	_	PCS-68	
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	_	SEC-82	DEF
B2621: INSIDE ANTENNA	_	×	_	_	DLK-284	
B2622: INSIDE ANTENNA	_	×	_	_	• <u>DLK-86</u> (Coupe) • <u>DLK-286</u> (Road- ster)	M
B2623: INSIDE ANTENNA	_	×	_	_	• <u>DLK-88</u> (Coupe) • <u>DLK-288</u> (Road- ster)	N
B26E8: CLUTCH SW	×	×	×	_	<u>SEC-76</u>	0
B26EA: KEY REGISTRATION	_	×	× (Turn ON for 15 seconds)	_	<u>SEC-78</u>	
C1704: LOW PRESSURE FL	_	_	_	×		Р
C1705: LOW PRESSURE FR	_	_	_	×	<u>WT-24</u>	
C1706: LOW PRESSURE RR	_	_	_	×	<u>vv 1-24</u>	
C1707: LOW PRESSURE RL	_	_	_	×		

< 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
C1708: [NO DATA] FL	_	_	_	×	
C1709: [NO DATA] FR	_	_	_	×	WT-26
C1710: [NO DATA] RR	_	_	_	×	<u>W1-20</u>
C1711: [NO DATA] RL	_	_	_	×	
C1716: [PRESSDATA ERR] FL	_	_	_	×	
C1717: [PRESSDATA ERR] FR	_	_	_	×	WT-29
C1718: [PRESSDATA ERR] RR	_			×	<u> </u>
C1719: [PRESSDATA ERR] RL	_	_	_	×	
C1729: VHCL SPEED SIG ERR	_	_	_	×	<u>WT-31</u>
C1734: CONTROL UNIT	_	_	_	×	<u>WT-33</u>

REAR WINDOW DEFOGGER DOES NOT OPERATE

[COUPE] < SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS Α REAR WINDOW DEFOGGER DOES NOT OPERATE Diagnosis Procedure INFOID:0000000011739044 В ${f 1}$.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. D NO >> Repair or replace the malfunctioning parts. 2.check rear window defogger switch Е 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". F 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". Н 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. K NO >> Repair or replace the malfunctioning parts. $5.\mathsf{confirm}$ the operation Confirm the operation again. DEF Is the result normal? YES >> Check intermittent incident. Refer to GI-45, "Intermittent Incident". NO >> GO TO 1. M Ν Р

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGERS DO NOT OP-ERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGERS DO NOT OPERATE

Diagnosis Procedure

INFOID:0000000011739045

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 <u>DEF-14</u>, "WITH NAVIGATION: Component Function Check" (With Navi) or <u>DEF-14</u>, "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-45, "Intermittent Incident".

NO >> GO TO 1.

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

[COUPE] < SYMPTOM DIAGNOSIS >

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR

MIRROR DEFOGGERS OPERATE

1. CHECK REAR WINDOW DEFOGGER

Check rear window defogger. Refer to DEF-18, "Component Function Check".

Is the inspection result normal?

>> GO TO 2. YES

Diagnosis Procedure

>> Repair or replace the malfunctioning parts. NO

2.CONFIRM THE OPERATION

Confirm the operation again

Is the inspection result normal?

>> Check intermittent incident. Refer to GI-45, "Intermittent Incident". YES

NO >> GO TO 1.

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INFOID:0000000011739046

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DOOR MIRROR DEFOGGER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

[COUPE]

DOOR MIRROR DEFOGGER DOES NOT OPERATE BOTH SIDES

BOTH SIDES: Diagnosis Procedure

INFOID:0000000011739047

1. CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to DEF-22, "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-45, "Intermittent Incident".

NO >> GO TO 1.

DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:0000000011739048

1.check driver side door mirror defogger

Check driver side 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-45, "Intermittent Incident".

NO >> GO TO 1.

PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000011739049

${f 1}$.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

Refer to DEF-25, "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-45, "Intermittent Incident".

NO >> GO TO 1.

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

1. CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to AV-250, "Work Flow (Active Noise Control & Active Sound Control)".

Is the inspection result normal?

YES >> GO TO 2.

Diagnosis Procedure

>> Repair or replace the malfunctioning parts. NO

2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

>> Check intermittent incident. Refer to GI-45, "Intermittent Incident". YES

NO >> GO TO 1.

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INFOID:0000000011739050

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

[COUPE]

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE WITH NAVIGATION

WITH NAVIGATION: Diagnosis Procedure

INFOID:0000000011739051

1. CHECK REAR WINDOW DEFOGGER OPERATION

Check rear window defogger operation.

Is the inspection result normal?

YES >> Check AV control system. Refer to AV-250, "Work Flow (Active Noise Control & Active Sound Control)".

NO >> Check rear window defogger system. Refer to <u>DEF-5</u>, "Work Flow".

WITHOUT NAVIGATION

WITHOUT NAVIGATION: Diagnosis Procedure

INFOID:0000000011739052

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-21, "Component Function Check".

Is the inspection result normal?

YES >> Replace A/C control (rear window defogger switch). Refer to <u>HAC-84, "BASE AUDIO : Removal and Installation"</u>.

NO >> Repair or replace the malfunctioning parts.

[COUPE] < PRECAUTION >

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

FOR USA AND CANADA: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000011739053

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

Always observe the following items for preventing accidental activation.

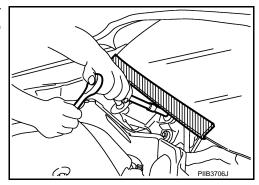
- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious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

FOR USA AND CANADA: Precaution for Battery Service

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

FOR USA AND CANADA: Precaution for Procedure without Cowl Top Cover

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



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DEF-89 Revision: 2015 June 2016 370Z

[COUPE] < PRECAUTION >

FOR USA AND CANADA: Precautions For Xenon Headlamp Service

INFOID:0000000011739056

WARNING:

Comply with the following warnings to prevent any serious accident.

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

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

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

FOR USA AND CANADA: Precautions for Removing Battery Terminal

INFOID:0000000011739057

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BATTERY

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

NOTE:

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

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

NOTE:

main battery and sub battery disconnected, then DTC may be detected.

FOR MEXICO

FOR MEXICO: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000011739058

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.

Revision: 2015 June

Always observe the following items for preventing accidental activation.

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

If the ignition switch is turned ON with any one of the terminals of SEF289H After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC. The removal of 12V battery may cause a DTC detection error.

DEF-90

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

< PRECAUTION > [COUPE]

WARNING:

Always observe the following items for preventing accidental activation.

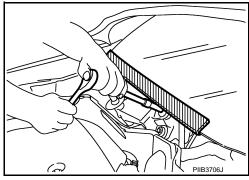
- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the
 ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with
 a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing
 serious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

FOR MEXICO: Precaution for Battery Service

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

FOR MEXICO: Precaution for Procedure without Cowl Top Cover

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



FOR MEXICO: Precautions For Xenon Headlamp Service

WARNING:

Comply with the following warnings to prevent any serious accident.

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

CAUTION:

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

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

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PRECAUTIONS

< PRECAUTION > [COUPE]

FOR MEXICO: Precautions for Removing Battery Terminal

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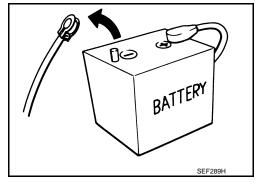
• When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

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

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

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



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

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

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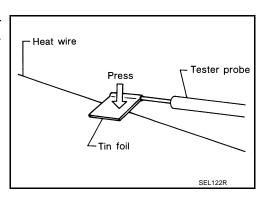
REMOVAL AND INSTALLATION

FILAMENT

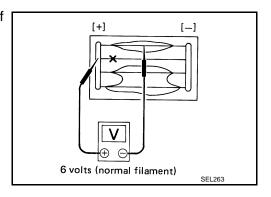
Inspection and Repair

INSPECTION

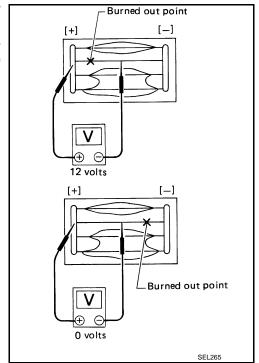
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



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.
- 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)

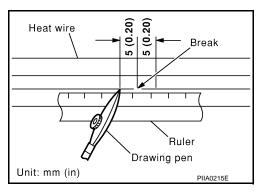
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< REMOVAL AND INSTALLATION >

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

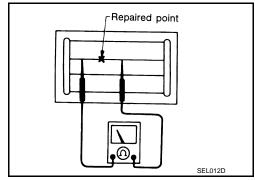
REPAIRING PROCEDURE

- 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.
- 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.



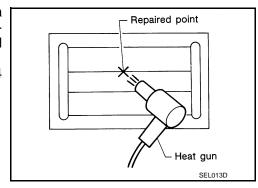
4. After repair has been complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.

Do not touch repaired area while test is being conducted.



 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.



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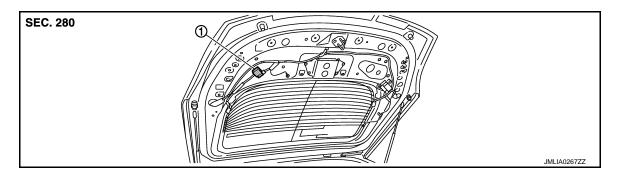
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CONDENSER

Exploded View

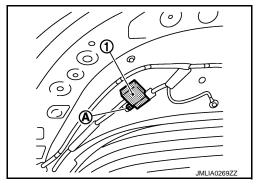


1. Condenser

Removal and Installation

REMOVAL

- 1. Remove the back door finisher lower. Refer to INT-33, "Removal and Installation".
- Remove bolt (A), and then remove condenser (1) from the vehicle body.



INSTALLATION

Install in the reverse order of removal.

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [ROADSTER]

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow (INFOID:000000011739066

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.

Are any DTC detected?

YES >> Refer to BCS-99, "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.

[ROADSTER]

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SYSTEM DESCRIPTION

REAR WINDOW DEFOGGER SYSTEM WITH NAVIGATION

WITH NAVIGATION: System Diagram

INFOID:0000000011739067 CAN Communication line Communication line Rear window defogger switch signal MULTIFUNCTION Rear window defogger SWITCH switch signal AV CONTROL **REAR WINDOW** (REAR WINDOW **BCM** CAN Communication line **DEFOGGER RELAY** UNIT Rear window DEFOGGER Communication line SWITCH) Rear window defogger feedback signal Rear window Rear window defogger control signal defogger control signal Communication DOOR REAR DISPLAY IPDM E/R MIRROR WINDOW DEFOGGER DEFOGGER JMI IA2975GB

WITH NAVIGATION: System Description

INFOID:0000000011739068

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.

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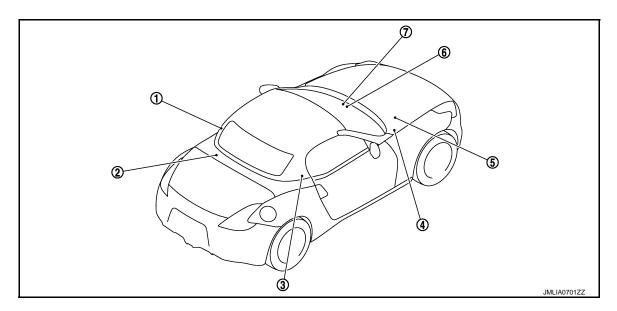
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[ROADSTER]

WITH NAVIGATION: Component Parts Location

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1. Rear window defogger connector

fogger switch)

- 2. Soft top control unit

 Refer to RF-11, "Component Parts

 Location".
- 3. Rear window defogger connector

- IPDM E/R
 Refer to PCS-5, "Component Parts Location".
- cation".
 7. Multifunction switch (rear window de-
- 5. BCM Refer to BCS-10, "Component Parts Location".
- 6. AV control unit
 Refer to AV-178, "Component Parts
 Location".

WITH NAVIGATION : Component Description

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Multifunction switch (Rear window defogger switch)	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.
ВСМ	 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 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

[ROADSTER]

WITHOUT NAVIGATION: System Diagram

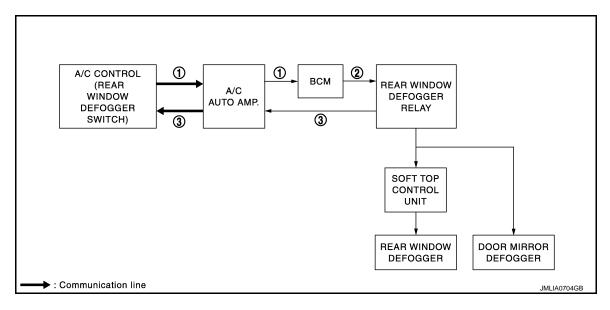
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 Rear window defogger switch signal 2. Rear window defogger relay ON sig- 3. Rear window defogger ON signal nal

WITHOUT NAVIGATION: System Description

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.

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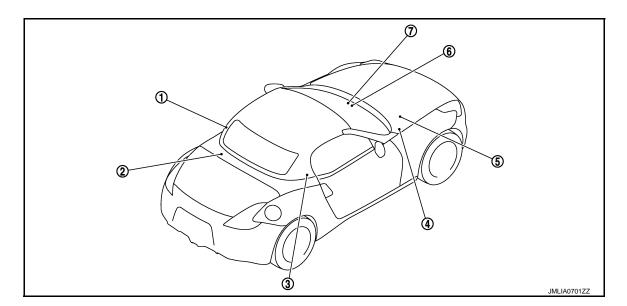
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WITHOUT NAVIGATION : Component Parts Location

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- 1. Rear window defogger connector
- Soft top control unit Refer to <u>RF-11</u>, "Component Parts <u>Location"</u>.
- 3. Rear window defogger connector

- 4. IPDM E/R
 Refer to PCS-5, "Component Parts Location".
- 5. BCM
 Refer to BCS-10, "Component Parts
 Location".
- A/C auto amp.
 Refer to <u>HAC-23</u>, "Component Parts <u>Location"</u>.

7. A/C control (rear window defogger switch)

WITHOUT NAVIGATION: Component Description

INFOID:0000000011739074

A/C control (Rear window defogger switch)	 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.
ВСМ	 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 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.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

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APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

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

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

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

NOTE

FREEZE FRAME DATA (FFD)

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

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

< SYSTEM DESCRIPTION >

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

NOTE

- *: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position (A/T models), and any of the following conditions are met.
- · Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

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

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER: CONSULT Function (BCM - REAR DEFOGGER) (For Roadster)

DATA MONITOR **NOTE**:

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[ROADSTER]

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

Monitor Item	Description
REAR DEF SW	 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

Test Item	Description
REAR DEFOGGER	Rear window defogger operates when "ON" on CONSULT screen is touched

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POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:0000000011739077

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	К
battery power suppry	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.

(+)	(-)	Voltage
всм			(Approx.)
Connector	Terminal	Ground	
M118	1	Glound	Battery voltage
M119	11		Dattery Voltage

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.

В	CM		Continuity
Connector	Connector Terminal		Continuity
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:0000000011739078

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- 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:0000000011739079

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-105, "WITH NAVIGATION: Diagnosis Procedure".

WITH NAVIGATION: Diagnosis Procedure

INFOID:0000000011739080

1. CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check multifunction switch (rear window defogger switch) operate. Refer to AV-192,

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair or replace the malfunctioning parts.

WITHOUT NAVIGATION

WITHOUT NAVIGATION: Description

INFOID:000000001173908:

- 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:0000000011739082

CHECK FUNCTION

(P)With CONSULT

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

Monitor item	Condition		Status
REAR DEF SW	Rear window defogger switch	ON	On
NEAR DET SW	ixear window delogger switch	OFF	Off

Is the inspection result normal?

YES >> Rear window defogger switch function is OK.

>> Refer to DEF-105, "WITHOUT NAVIGATION: Diagnosis Procedure". NO

WITHOUT NAVIGATION: Diagnosis Procedure

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?

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INFOID:0000000011739083

REAR WINDOW DEFOGGER SWITCH

[ROADSTER]

< DTC/CIRCUIT DIAGNOSIS >

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.

(+) A/C auto amp.		(-)	Signal (Reference value)
Connector	Terminal		(
M66	27	Ground	(V) 15 10 5 0 10 ms JPMIA0012GB

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to HAC-86, "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.

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

4. Check continuity between BCM harness connector and ground.

ВСМ			Continuity	
Connector Terminal		Ground	Continuity	
M123	130		Not existed	

Is the inspection result normal?

YES >> Replace BCM. Refer to BCS-106, "Removal and Installation".

NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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REAR WINDOW DEFOGGER RELAY

Description INFOID:0000000011739084

- 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:0000000011739085

1. CHECK FUNCTION

(P)With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- 3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- Touch "ON"
- 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 <u>DEF-107</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739086

1. CHECK FUSE

- 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

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

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

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 3.

3.check rear window defogger relay circuit 2 $\,$

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

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

Check continuity between BCM harness connector and ground.

В	CM	Ground	Continuity	
Connector	Terminal			
M123	151		Not existed	

REAR WINDOW DEFOGGER RELAY

< 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-108, "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.

(+)	I. / I/D)	()	Voltage (V)	
Fuse block (J/B) Connector Terminal		(-)	(Approx.)	
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-45, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000011739087

[ROADSTER]

1. CHECK REAR WINDOW DEFOGGER RELAY

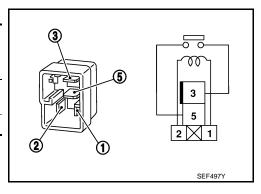
- 1. Turn ignition switch OFF.
- 2. Disconnect rear window defogger relay.
- 3. Check continuity between rear window defogger relay terminals.

Terminal			Continuity
Rear window defogger relay		Condition	
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.



SOFT TOP CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

SOFT TOP CONTROL UNIT

Description INFOID:0000000011739088

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

Component Function Check

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1. CHECK REAR WINDOW DEFOGGER

(P)With CONSULT

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

Is the inspection result normal?

YES >> Soft top control unit is OK.

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

Diagnosis Procedure

1. CHECK FUSE

Turn ignition switch OFF.

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

- Disconnect soft top control unit connector and fuse block (J/B) connector.
- 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	Continuity	
B6	10G	B304	49	Existed	
	11G	5304	48	LAISIGU	

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

Soft top control unit			Continuity	
Connector Terminal		Ground		
B304	49	Olouna	Not existed	
D304	48		NOT EXISTED	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness and ground.

3.CHECK FUSE BLOCK (J/B)

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

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SOFT TOP CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

(+) Fuse block (J/B)		(–) Conditio		n	Voltage (V) (Approx.)	
Connector	Terminal				(
	400			ON	Battery voltage	
В6	10G	Ground	Rear window defogger	OFF	0	
D0	11G	Ground	switch	ON	Battery voltage	
	116			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-45, "Intermittent Incident".

>> INSPECTION END.

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REAR WINDOW DEFOGGER

Description INFOID:000000011739091

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:0000000011739092

1. CHECK REAR WINDOW DEFOGGER

(P)With CONSULT

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

Is the inspection result normal?

YES >> Rear window defogger is OK.

NO >> Refer to <u>DEF-111</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739093

1. CHECK POWER SUPPLY CIRCUIT

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

(+) Rear window defogger		(–)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(11 - 7
B311	1	Ground	Rear window defogger switch	ON	Battery voltage
БЭП	I	Giodila		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.
- Disconnect soft top control unit connector.
- Check continuity between soft top control unit harness connector and rear window defogger harness connector.

Soft top of	control unit	ow defogger	Continuity		
Connector Terminal		Connector	Terminal	Continuity	
B307	104	B311	1	Existed	
	111	D311	, i	LAISted	

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

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

Is the inspection result normal?

YES >> Replace soft top control unit. Refer to RF-247, "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 windo	ow defogger		Continuity	
Connector	Connector Terminal		Continuity	
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-112, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace filament. Refer to DEF-196, "Inspection and Repair".

5. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

>> INSPECTION END

Component Inspection

INFOID:0000000011739094

1. CHECK FILAMENT

Check the filament for damage.

Refer to DEF-196, "Inspection and Repair".

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair filament.

REAR WINDOW DEFOGGER ON SIGNAL

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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REAR WINDOW DEFOGGER ON SIGNAL

Description INFOID:0000000011739095

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

Component Function Check

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.

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

Diagnosis Procedure

1.CHECK FUSE

Turn ignition switch OFF.

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

Turn ignition switch ON.

Check voltage between A/C auto amp. harness connector ground.

	+)				
A/C auto amp.		(–)	Condition		Voltage (V)
Connector	Terminal				(Approx.)
M66	M66 26		Rear window defogger	ON	Battery voltage
1000	20	Ground		OFF	0

Is the inspection result normal?

YES >> Replace A/C auto amp. Refer to HAC-176, "Removal and Installation" (Bose audio with navigation) or HAC-86, "Removal and Installation" (Base audio).

NO >> GO TO 3.

3.check rear window defogger indicator lamp circuit

Turn ignition switch OFF.

Disconnect fuse block (J/B) connector and A/C auto amp. connector.

Check continuity between fuse block (J/B) harness connector and A/C auto amp. harness connector.

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

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

Fuse bl	ock (J/B)		Continuity	
Connector	Connector Terminal		Continuity	
M3	9C		Not existed	

Is the inspection result normal?

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

NO >> Repair or replace harness.

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DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

DOOR MIRROR DEFOGGER

Description INFOID:000000011739098

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

Component Function Check

INFOID:0000000011739099

1. CHECK DOOR MIRROR DEFOGGER

(I) With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- 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 <u>DEF-114</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739100

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.
- Check voltage between fuse block (J/B) (fuse block side) and ground.

(+) Fuse block (J/B)		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				(11 -)
	9C			ON	Battery voltage
M3	90	Ground	Rear window de-	OFF	0
IVIS	10C	Ground	fogger switch	ON	Battery voltage
	100			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]

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DRIVER SIDE DOOR MIRROR DEFOGGER

Description INFOID:0000000011739101

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:0000000011739102

1. CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

(P)With CONSULT

- 1. Turn ignition switch ON.
- Select "REAR DEFOGGER" of "BCM" using CONSULT.
- 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 <u>DEF-115</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739103

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				
	4	Ground	Rear window de-	ON	Battery voltage
D3	4	Ground	fogger switch	OFF	0

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

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

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

(+) Fuse block (J/f	3)	(-)	Con	dition	Voltage (V) (Approx.)
Connector	Terminal				()
M3	10C	Ground	Rear window de-	ON	Battery voltage
IVIS	100	Ground	fogger switch	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.

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DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

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

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

Fuse block	ck (J/B)	Ground	Continuity
Connector	Terminal	Ground	Continuity
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	Giodila	Continuity
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 defoager.

Refer to DEF-116, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (driver side). Refer to <u>GW-19</u>, "Removal and Installation".

6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

Is the inspection result normal?

>> INSPECTION END.

Component Inspection

INFOID:0000000011739104

1. CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

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

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

Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace door mirror (driver side). Refer to <u>GW-19, "Removal and Installation"</u>.

PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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PASSENGER SIDE DOOR MIRROR DEFOGGER

Description INFOID:0000000011739105

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:0000000011739106

1. CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

(P)With CONSULT

- 1. Turn ignition switch ON.
- 2. Select "REAR DEFOGGER" of "BCM" using CONSULT.
- 3. Select "REAR DEFOGGER" in "ACTIVE TEST" mode.
- 4. Touch "ON"
- 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 <u>DEF-117</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000011739107

1. CHECK POWER SUPPLY CIRCUIT

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

(+) Door mirror (Passenge	er side)	(-)	Con	dition	Voltage (V) (Approx.)
Connector	Terminal				()
D33	4	Ground	Rear window de-	ON	Battery voltage
D33	4	Giodila	fogger switch	OFF	0

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

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

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

(+) Fuse block (J/B))	(-)	Con	dition	Voltage (V) (Approx.)
Connector	Terminal				(11 -)
M3	9C	Ground	Rear window de-	ON	Battery voltage
IVIO	90	Giouna	fogger switch	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.

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PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

Fuse block (J/B)		Door mir	ror (passenger side)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
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	Ground	Continuity
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 (passenge	er side)	Ground	Continuity
Connector	Terminal	Giouna	Continuity
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-118, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace door mirror (passenger side). Refer to <u>GW-19</u>, "<u>Removal and Installation</u>".

6. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-45, "Intermittent Incident".

>> INSPECTION END.

Component Inspection

INFOID:0000000011739108

1. CHECK PASSENGER DOOR MIRROR DEFOGGER

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

Door mirror (pa	assenger side)		Continuity
Connector	Terr	minal	Continuity
D33	4	8	Existed

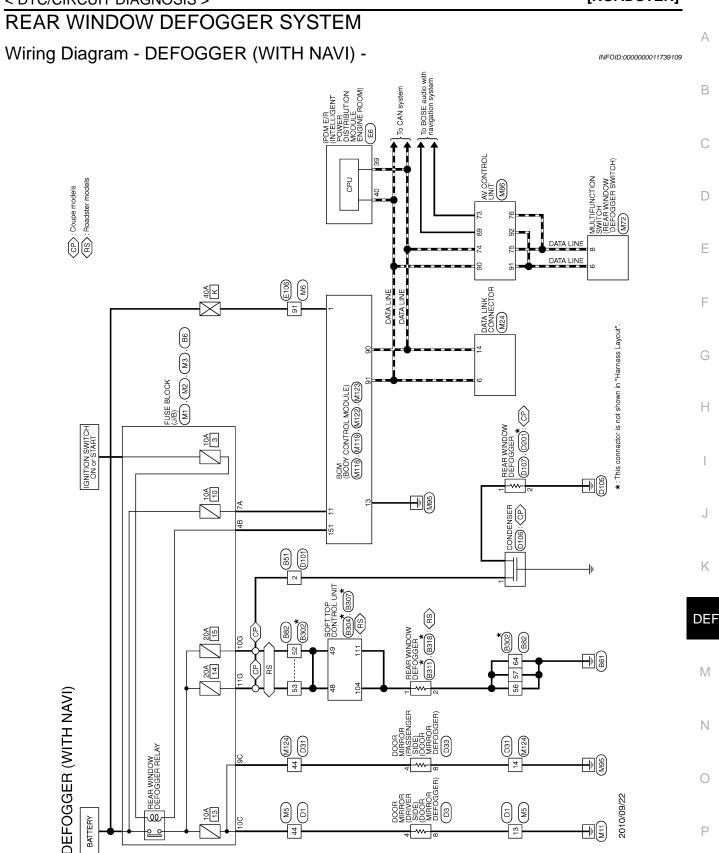
Is the inspection result normal?

YES >> INSPECTION END.

NO >> Replace door mirror (passenger side). Refer to <u>GW-19</u>, "<u>Removal and Installation</u>".

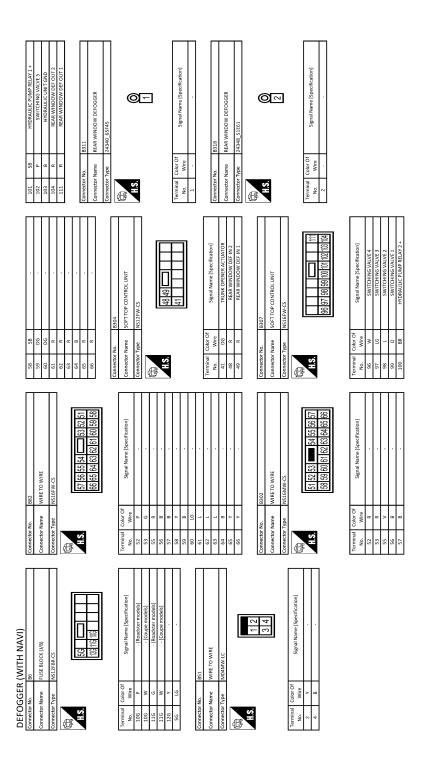
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REAR WINDOW DEFOGGER SYSTEM

[ROADSTER]

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Connector Name Conn	53 7	Connector Name Connector Type M011W-LC MS. Wire I Y Signal Name [Specification] Connector Name REAR WINDOW DEFOGER Connector Name REAR WINDOW DEFOGER Connector Type REAR WINDOW DEFOGER MAS.
Terrollad Color Of	Commetter No. 1033 Commetter Name 1000 R M RROR (PASSENGER SIDE) Commetter Type THUSHAW-AHH Terminal Color Of Signal Name [Specification] No. Wire Signal Name [Specification] 1 86 2 68 3 1 L 4 1	0107 10107 10107 10107
	Commetter No. D133 Commetter Name D00 R M RROR (PASSENGER SIDE) Commetter Type TH081AW4 AH	Of re EER WING
Terrinal Color Of Personal Color Of Personal Color Of Wire Wire	Terminal Color Of Terminal Color Of Terminal Color Of Terminal Color Of Signal Name [Specification] 1 No. Notice Signal Name [Specification] 2 GR 2 GR 4 L	Prof D107 REAR WINI PO1FB-A
SHELD	Color Of Signal Name (Specification) Signal Name (Specification)	
Y Y	1 2 3 4	
Connector Name Connector Type Conn	Color Of Signal Name (Specification) Wire Wire GR C. Signal Name (Specification)	
86 8 8 8 8 8 8 8 8 8	Color Of Signal Nume (Specification) Wire Signal Nume (Specification) GR	
P	Color Or Signal Name (Specification) 86 67 L L	
V - (Without BOSE system)	Collor Off Signal Name (Specification) Wire BG GR - L L	POIFB-A
1 Commetted Nat. V Nat. Commetted Nat. V V V V V V V V V		<u>~</u>
Connector Name V Coupe models Connector Type T V V V V V V V V V	· 1	į.
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K.B.]
	7 6 5 4 3 2 1	
		Tomainal Color Of
+	Connector Name WIRE TO WIRE	+
+	Connector Type ModEWall C	+
SB Terminal Color Of		
, M		Connector No. D201
. OS NIELD . OS		Connector Name PEAP WINDOW DECOGED
10 V		
. V		Connector Type P01FB-A
53 8G - [Without BOSE system]	6 4	
GR	E system!	Al-S
- 13		
13 V	Terminal Color Of	- E
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Revision: 2015 June **DEF-121** 2016 370Z

	Connector No. M3	Connector Name FUSE BLOCK (J/B)	On The Part of the	1				120 110 100 BC 70 BC	2000			Terminal Color Of Circuit Manager 1	Wire	10C L .	11C LG .	12C 0 -		7C B	9C 0 - [Roadster models]	~			Connector No. M5	Connector Name WIRE TO WIRE		Connector Type TH40MW-CS15	q	MAPA	01 + 01 7 11 01 8 0 7 0 0 + 0 7	16 17 18 18 20 20 12 22 23 24 25 28 28 37 28 39 40 40 44 45 45 45 45 45 45 45 45 45 45 45 45	and and and and and			lan	Wire	6 SHIELD -	7 Y		. 9 6	10 ν .	11 V - [Without active noise control]	11 Y - [With active noise control]	BR	12 L - [Without active noise control]	13 B .	+	15 W .	19 Y .
	Connector No. M1	Connector Name FUSE BLOCK (J/B)	Commenced Trump	CONTRECTOR Type NOODFW-WZ			34 L ZA 1A	84 74 64 54 44	The bolton]		Terminal Color Of Circuit Management	No. Wire Signal Name [Specification]	1A V -	2A G .	3A L	4A P		- × × × 9	7A BR .				Connector No. M2	Connector Name FLISE RLOCK (1/R)	. [Connector Type NS10FW-CS			48 38	9B 8B 6B 5B	1		- 1-	la le	Wire	38 Р -	4B G .		68 Y -	88 R	- 88 86						
F .	~		+	A W	+	╀	H	Н		λ .	۸ .	· .	В		. ·	. 91	H	┞	GR - [Except for roadster models with M/T]	R - [Roadster models with M/T]	. B8	Н	_	SHIELD -		Н	+	a &	+		Н	. 91	\dashv	+	W	+	. 9	γ .	γ .	GR -	Н	. B6						
DEFOGGER (WITH NAVI)	Signal Name [Specification]		- 14 - 14	15	Connector No. E6 17	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE	Connector Name ROOM) 21	Connector Type TH08FW-NH 21		33	<u> </u>	37		46 45 44 43	40	41		No. Wire Signal Name [Specification] 43	39 P - 44	40 L 44	B/W		SB	44 W - 58	. 9	46 V - 70	80	Connector No. F106 82	T	WIRE TO WIRE	Connector Type TH80FW-CS16-TM4 85		48 28	68		1 4	2 P	94		lai		γ 100	3 1	4 ا	\dashv	+	9 B	11 v .

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REAR WINDOW DEFOGGER SYSTEM

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	41	91	1	∞	g		73	9	COMMUNICATION SIGNAL (CONT-DISP)
	452	æ		11	97	- [Roadster models]	74	۵	CAN-L
	43	9	,	11	>	- [Coupe models]	75	9	AV COMMUNICATION SIGNAL (L)
	4 :	5 (- [with A/1]	14	,		٩	2 4	AV COMMICATION SIGNAL (L)
	;	۵ ((I/AIIIIAA):	OT .			6	٠ (ILLOWINGALION SIGNAL
	G :	2					8	,	IGNI ILON SIGNAL
	94	g					81	0	KEVEKSE SIGNAL
	7	Ä	•	Connector No.		M/2	78	,	VEHICLE SPEED SIGNAL (8-PULSE)
	┪	SHIELD		Connector Name		MULTI FUNCTION SWITCH	83	В	SHIELD
	59	_					84	Y	
	2	œ		Connector Type		TH16FW-NH	87	g	MICROPHONE SIGNAL
	80	91		ľ			68	R	COMMUNICATION SIGNAL (DISP-CONT)
	81	GR					90	1	CAN-H
	82	^		ŧ		_ 	91	٨	AV COMMUNICATION SIGNAL (H)
	83	^		ė.		0 3 1	92	Å	AV COMMUNICATION SIGNAL (H)
	84	7				5			
	85	BR				00000			
TH80MW-CS16-TM4	98	٨				1	Connector No.		M118
	87	ŋ						Γ	
	89	d		Terminal	Color Of		Connecto	Connector Name	BCM (BODY CONTROL MODULE)
14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16	×		Š	Wire	Signal Name [Specification]	Connector Type	Γ	MO3ER-IC
× × ×	65	: a		-	α	GBOIIND		1	
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	86	0		9	91	AV COMM (H)			
Cinnal Massa (Constitution)	66	>		00	>	AV COMM (L)			7
lai Name [Specification]	100	œ		6	BR	SW GND			
	1			14	as	DISK FIECT SIGNAL			
							Torminal	Color Of	
		-14					-14		Signal Name [Specification]
	COILLIECTO INC.				Ī) M	
	Connector Name		DATA LINK CONNECTOR	Connector No.		M86		×	BAT (F/L)
,						The Contract of the	2	*	POWER WINDOW POWER SUPPLY (BAT)
	Connector Type	Γ	RD16EW	Connector		AV CONTROL UNIT	~	>	POWER WINDOW POWER SUPPLY (IGN)
		1		Connector Tune	T	THEODER NIL			
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		_	3 4 5 6 7 8 1			65 67 68 7.1 7.2 7.3 7.4 7.5 7.6			
					_	82 82 84 B			
		_				ò			
	Terminal	Color Of							
		Wire	Signal Name [Specification]	Torminal	Color Of		_		
	2				000	Signal Name [Specification]			
	3	S)	- [conbe models]	NO.	wire				
	m	>	- (Roadster models)	99	0	PARKING BRAKE SIGNAL			
	4	8		29	-	COMPOSITE IMAGE GROUND			
				9	,	I NOT TO BE SEED TO SEED OF SECOND			
	5	9		200	9	COMPOSITE IMAGE SIGNAL			

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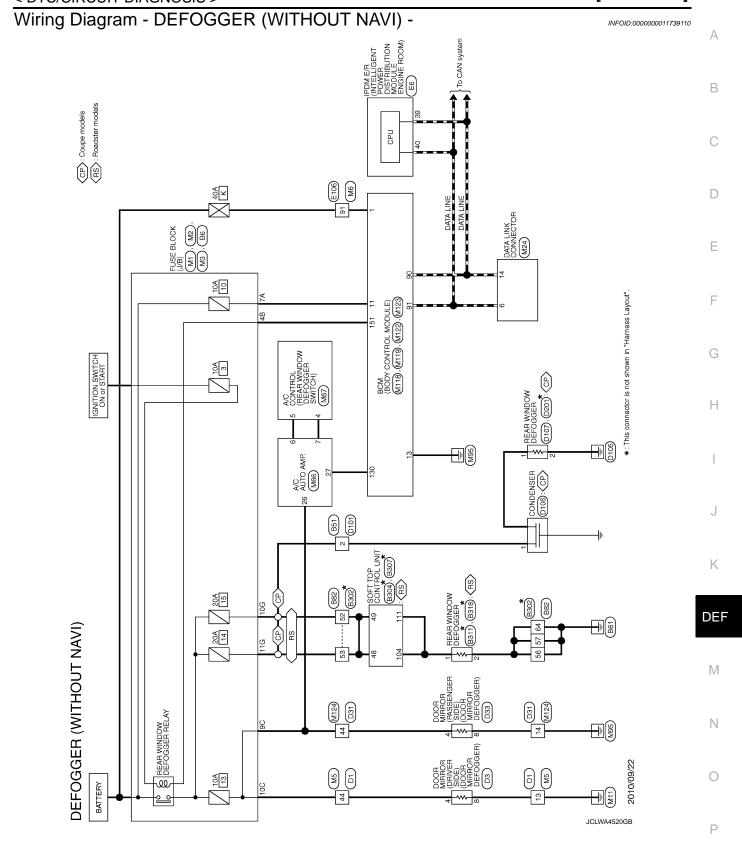
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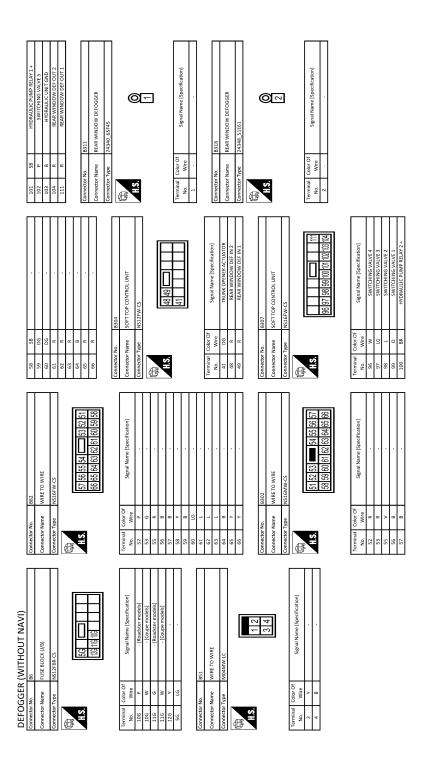
Revision: 2015 June **DEF-123** 2016 370Z

DEFOGGER (WITH NAVI) Connector No. M119	MAVI)	81	*	NATS ANT AMP.	134	GR	LOCK IND
BCM (BODY CONTROL MODULE)		82	œ	IGN RELAY (F/B) CONT	137	۵.	RECEIVER &SENSOR GND
NO 6EMCC	Τ	83	a GR	KYLS ENT RECEIVER (FRONT) COMM	138	> -	TIDE DDESS BECEIV COMM
3	1	8	<u> </u>	COMBI SWINDITS	140	ی د	P/N POSITION
		06	۵	CAN-L	141	*	SECURITY INDICATOR
		91	_	CAN-H	142	0	COMBI SW OUTPUT 5
<u>∞</u>		92	91	KEY SLOT ILL	143	Ь	COMBI SW OUTPUT 1
11 13 14 15 17 18 19		93	>	ON IND	144	9	COMBI SW OUTPUT 2
2.		95	0	ACC RELAY CONT	145	7	COMBI SW OUTPUT 3
		96	>	A/T SHIFT SELECTOR POWER SUPPLY	146	SB	COMBI SW OUTPUT 4
		66	œ	SHIFT P/CLUTCH PEDAL POS SW	150	GR	DRIVER DOOR SW
Signal Name (Specification)		100	GR	PASSENGER DOOR REQUEST SW	151	9	REAR WINDOW DEFOGGER RELAY CONT
	Т	101	>	DRIVER DOOR REQUEST SW			
INTERIOR ROOM LAMP POWER SUPPLY	Т	102	٥	BLOWER FAN MOTOR RELAY CONT			
PASSENGER DOOR UNLOCK OUTPUT	Т	103	51	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	Connector No.	No.	M124
ALL DOOR, FUEL LID LOCK OUTPUT	Т	107	97	COMBI SW INPUT 1	Connector Name	Name	WIRE TO WIRE
DRIVER DOOR, FUEL LID UNLOCK OUTPUT	П	108	œ	COMBI SW INPUT 4			
BAT (FUSE)	Т	109	>	COMBI SW INPUT 2	Connector Type	Туре	TH40MW-CS15
GROUND	Т	110	۵	HAZARD SW	þ		
PUSH-BUTTON IGNITION SWILL GND	Т				图		
ACCIND	Т				V		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
TURN SIGNAL RH (FRONT, SIDE)	Т	Connector No.	No.	M123	1		942528
TURN SIGNAL LH (FRONT, SIDE)	_	Connector Name	Name	BCM (BODY CONTROL MODULE)			ज्यस्य स्थान हो जाने स्थान स्थान स्थान स्थान स्थान
TOTAL TIMES CONTROL	_	Connector Type	Type	TH40FG-NH			
	ı	þ					
M122	\neg	B			Terminal	Color Of	Signal Name [Specification]
BCM (BODY CONTROL MODULE)		S			Š.	Wire	
TH40FB-NH	_				01	9	
	٦			10/10/1	Ξ	>	
					12	. 2	- [Without active poise control upit]
					12	>	- [With active noise control unit]
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	Terminal	Color Of		13	BR	- [With active noise control]
30 00 00 10 10 10 10 10 10 10 10 10 10 10		No.	Wire	ognal Name [opecification]	13	>	- [Without active noise control]
		113	0	OPTICAL SENSOR	14	8	
		114	æ	CLUTCH INTERLOCK SW	15	»	
		115	0		19	٨	
Control State of Contro	Г	116	SB	STOP LAMP SW 1	23	4/B	
olgnar Name [opecification]		118	Ь	STOP LAMP SW 2	25	Μ	
ROOM ANT 2-	_	119	SB	DR DOOR UNLOCK SENSOR	56	SHIELD	
ROOM ANT 2+	Г	121	œ	KEY SLOT SW	35	8	
PASSENGER DOOR ANT-	Т	123	>	IGN F/B	44	0	٠
PASSENGER DOOR ANT+	Γ	124	91	PASSENGER DOOR SW	20	>	
DRIVER DOOR ANT-	Π	129	0	TRUNK LID OPENER CANCEL SW	51	>	
DRIVER DOOR ANT+	Γ	130	٦	REAR DEFOGGER SW	52	GR	
ROOM ANT 1-	П	132	^	P/W SW & SOFT TOP C/U COMM [Roadster models]	53	Μ	
ROOM ANT 1+	٦	132	>	POWER WINDOW SW COMM [Coupe models]	54	9	
NATS ANT AMP.	Γ	133	9	PUSH BUTTON IGNITION SWILL POWER	55	œ	

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REAR WINDOW DEFOGGER SYSTEM





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REAR WINDOW DEFOGGER SYSTEM

[ROADSTER]

	Connector No. D3 50 Y Connector No.	Connector Name DOOR MIRROR (DRIVER SIDE) 2.1 7 Connector Name	Connector Type TH08MW-NH			3 Y Connector No.	Connector No. D31	Signal Name Specification Convector Name Wilk TO WIRE Convector Name Convector
DEFOGGER (WITHOUT NAVI)	D1	WIRE TO WIRE	TH40FW-CS15	[15] 144 131 121 111 110 9 8 7 6 5 4 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Signal Name [Specification]	[With BOSE system]	Without BOSE system 	
DEFOGGER	Connector No.	Connector Name	Connector Type	·····································	Terminal Color Of No. Wire 6 SHIELD 7 Y	8 Y 9 G 10 BG	111 V 12 L 13 B 14 SB 14 Y 15 W 15 W 15 W	25 SHELD A 26 SHELD A 37 G G 38 G G G 50 C G G G G G G G G G G G G G G G G G G

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DEF-127 2016 370Z Revision: 2015 June

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Ī	Т	Connector Name FUSE BLOCK (J/B)	Connector Type NS12EW-CS	1				120 110 110 100 50	11			Terminal Color Of Grand Name (Specification)	Wire	100	11C 16	L		7C B .	9C 0 -[Roadster models]	9C R - [Coupe models]			Connector No. M5	Connector Name Wille TO Wille		Connector Type TH40MW-CS15	¢		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	[16] THE				Terminal Color Of	No. Wire Signal Name (Specification)	e SHIELD	7 Y	. ~	9 6	H	11 V - [Without active noise control]	11 Y - [With active noise control]	BR	12 L - [Without active noise control]	13 B ·	14 Y	15 W	19 Y .
	Т	Connector Name FUSE BLOCK (J/B)	Connector Tuno MSOSEWAM2				PH ZH TH	84 7A 6A 5A 4A	$\ $			Terminal Color Of Circuit Mana Concrification	No. Wire Signal Marine [Specimeation]	1A v	2A G .	3A L	4A P			7A BR .	H			Connector No. M2	Connector Name (E11SE BLOCK (1/B)		Connector Type NS10FW-CS				9	OD O			Terminal Color Of	No. Wire Signal Marine [Specification]	38 Р	48 G	-	╁	- 00	- 28	ł					
ŀ	13 K	+	15 D	+	╀	┞	BR	21 G - [Roadster models]	31 L ·	32 ү	36 V	37 Y .	38 R	39 B	40 W	41 LG .	╀	┞	44 GR - [Except for roadster models with M/T]	┞	98	H	47 P	S8 SHIELD -	29 L	70 P	80 W	81 P	82 6	83 V	28 28 28	+	╀	- d 68	91 W		93 6	┞	. д		╀	H	1					
DEFOGGER (WITHOUT NAVI)	Signal Name [Specification]	+	n -		Connector No. E6	Ι,		Connector Type TH08FW-NH				1N CN	60 04	46 45 44 43			Terminal Color Of		39 P	40 1	41 B/W -	H	L	44 W	Н	46 V			Connector No. E106	Connector Name WIRE TO WIRE	Connector Tone Tuencos (CC) 6-TMA			•		7 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				Terminal Color Of	No. Wire Signal Name [Specification]	× \	3 1	4 1	7 B -		. B 6	Н

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REAR WINDOW DEFOGGER SYSTEM

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	Connector No. M67	Connector Name A/C CONTROL	Tuesday Trans				1	112 3 4 5		0			Signal Name [Specification]	wire	1 G IGNITION POWERSOPPLY		: a	╀	- 8			Connector No. M118	Committee of the Control of the Cont		Connector Type M03FB-LC	4		\[\frac{1}{2} \]]		20110		, a	2 W POWER WINDOW POWER SUPPLY (BAT)	H																			
	- 1 9	+	200	91 2	11 Y - (coupe models)	+	16 Y			Connector No. M66	Connector Name A/C AUTO AMP.		Connector Type SABAUTW	₫.	Atth		1000				Terminal Color Of	_	1 L CAN-H	2 P CAN-L	6 L TX (AMP_CONT)	Ь	BR	+	0	16 K INIAKE SENSOR SIGNAL		THE B GROUND	9 0	ALCOUNTER DATE	-	32 P BLOWER MOTOR CONTROL SIGNAL	G A/C.	>	N-N	GR SEN	+	40 Y BALIERY POWER SUPPLY														
	- · · · · · · · · · · · · · · · · · · ·	× 9		× (- [With M/1]	. 0			SHIELD		× .		, , , , , , , , , , , , , , , , , , ,	- >			, , , , , , , , , , , , , , , , , , ,	. 9	- d	w	· d	- d	γ .		. 0	4	~		Γ		Connector Name DATA LINK CONNECTOR	Connection Districtive	1	F	14 14		3 4 5 6 7 8	5						Y - [Roadster models]										
DEFOGGER (WITHOUT NAVI)	39				. 43		44	. 45	. 46	- 47			2/2		81	NAG 82		WIRE TO WIRE	TH80MW-CS16-TM4 86			1 6 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	16 00		8	883		Signal Name (Specification)				. Connector No.	Connect	to and				. ·					. lerminal	. No.			- 4									
DEFOGGER	23 Y/B	25 Y	Z6 SHIELD	+	444	+	788 SB	49 Y	+	+	+	233 W	+	SS K		Consector No		Connector Name	Connector Type		•		61				- 1	lan	No. Wire	→ .	7 .	4 1		+	Ŧ	12 R			15 P	+	+	20 SK	+	+	32 0	+	+	98 10								

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Revision: 2015 June **DEF-129** 2016 370Z

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LOCK IND	RECEIVER & SENSOR GND	RECEIVER & SENSOR POWER SUPPLY	TIRE PRESS RECEIV COMM	NO POSITION	SECURITY INDICATOR	COMBI SW OUTPUT 5	COMBI SW OUTPUT 1	COMBI SW OUTPUT 2	COMBI SW OUTPUT 3	COMBI SW OUTPUT 4	DRIVER DOOR SW	REAR WINDOW DEFOGGER RELAY CONT			M124	WIRETOWIRE		TH40MW-CS15			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	१६ ११ १६ १६ १६ १६ १६ १६ १६ १६ १६ १६ १६ १			Control of the later of the lat	ognal Name [specimeation]			- [Without active noise control unit]	- [With active noise control unit]	- [With active noise control]	- [Without active noise control]												
GR	۵	>	_	IJ	>	0	Ь	9	_	SB	SR.	9						ype						-	Color Of	Wire	SHED	,	> 9	>	BR	> 0	0 3	s >-	4/Β	8	SHIELD	8	0	*	٨	GR	8	
134	137	138	139	140	141	142	143	144	145	146	150	151			Connector No.	Connector Name		Connector Type	þ	厚	Ę				Terminal	No.	, ot	;	17	12	13	£ ;	4 4	19	23	25	56	35	44	20	5.1	52	53	
NATS ANT AMP.	IGN RELAY (F/B) CONT	KYLS ENT RECEIVER (FRONT) COMM	COMBI SW INPUT 5	COMBI SW INPUT 3	CAN-L	CAN-H	KEY SLOT ILL	ONIND	ACC RELAY CONT	A/T SHIFT SELECTOR POWER SUPPLY	SHIFT P/CLUTCH PEDAL POS SW	PASSENGER DOOR REQUEST SW	DRIVER DOOR REQUEST SW	BLOWER FAN MOTOR RELAY CONT	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	COMBI SW INPUT 1	COMBI SW INPUT 4	COMBI SW INPUT 2	HAZARD SW		5655	M123	BCM (BODY CONTROL MODULE)	TH40FG-NH			120 122 124 125 124 126 116 116 116 116 116 116 116	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Signal Name [Specification]	000000	CHITCHINTERLOCKSIM	,	STOP LAMP SW 1	STOP LAMP SW 2	DR DOOR UNLOCK SENSOR	KEY SLOT SW	IGN F/B	PASSENGER DOOR SW	TRUNK LID OPENER CANCEL SW	REAR DEFOGGER SW	P/W SW & SOFT TOP C/U COMM [Roadster models]	
*		GR	BR	>	Ь	L	FIG	>	0	٨	æ	GR	٨	0	LG	LG	R	γ	Ь			NO.	Name	Type							Color Of	Wire	9	. 0	SB	Ь	SB	æ	W	LG	0	٦	>	I
81	82	83	87	88	06	91	92	93	92	96	66	100	101	102	103	107	108	109	110		Connection	COILINECTOI NO.	Connector Name	Connector Type	Œ.	Y.					Terminal	No.	110	115	116	118	119	121	123	124	129	130	132	
Connector No. M119	Control Country of the Country of th	BCIM (BODY CONTROL MODULE)	NS16FW-CS				4 0 8 8	11 13 14 15 17 18 19	10 11			Signal Name (Specification)	orginal warne [obscurration]	INTERIOR ROOM LAMP POWER SUPPLY	PASSENGER DOOR UNLOCK OUTPUT	ALL DOOR, FUEL LID LOCK OUTPUT	DRIVER DOOR, FUEL LID UNLOCK OUTPUT	BAT (FUSE)	GROUND	PUSH-BUTTON IGNITION SWILL GND	TUDAL CLOSES DEL LEGISTRE	THEN SIGNAL RH (FROM), SIDE)	ROOM LAMP TIMER CONTROL		M122	BCM (BODY CONTROL MODULE)	TH40EB-NH			[51 90 88 81	110 TOB 100 TOB 100 TOB 110 TOB 100 TO				Signal Name [Specification]	ROOM ANT 2-	ROOM ANT 2+	PASSENGER DOOR ANT-	PASSENGER DOOR ANT+	DRIVER DOOR ANT-	DRIVER DOOR ANT+	ROOM ANT 1-	
\$ C.	Т		Г									Color Of	Wire	ď	9	^	9	BR	80	æ :	- 3	3 0	۵.				Τ	1					•		Color Of	Wire	_	_	SB	BR	^	97	_	İ
Connector No.		connector	Connector Type		信	Ę	2					lec	No.	4	5	8	6	11	13	14	2 :	1 0	19		Connector No.	Connector Name	Connector Type		δE	Į	2				E		7.2	73	74	75	92	77	78	İ

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ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

CONSULT MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
FR WIFER FI	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
FR WIPER LOW	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
FR WASHER SW	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT	Off
FR WIPER INT	Front wiper switch INT	On
FR WIPER STOP	Front wiper is not in STOP position	Off
FR WIPER STOP	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 R	Turn signal switch RH	On
TUDNI CIONIAL I	Other than turn signal switch LH	Off
TURN SIGNAL L	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
TAIL LAWP 5W	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
UI PEAINI 200	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
HEAD LAIMP SW T	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
HEAD LAIMP SW 2	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
PASSING SW	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
AUTO LIGHT SW	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
IXIX I OG OVV	Rear fog lamp switch ON	On
DOOR SW-DR	Driver door closed	Off
DOOK GVV-DK	Driver door opened	On
DOOD SW AS	Passenger door closed	Off
DOOR SW-AS	Passenger door opened	On

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Monitor Item	Condition	Value/Status
DOOR SW-RR	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-RL	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-BK	Back door closed (Coupe models) Trunk lid closed (Roadster models)	Off
BOOK SW-BK	Back door opened (Coupe models) Trunk lid opened (Roadster models)	On
CDL LOCK SW	Other than door lock and unlock switch LOCK	Off
CDL LOCK SW	Door lock and unlock switch LOCK	On
CDL UNLOCK SW	Other than door lock and unlock switch UNLOCK	Off
CDL UNLOCK SW	Door lock and unlock switch UNLOCK	On
KEN ONLIN OM	Other than driver door key cylinder LOCK position	Off
KEY CYL LK-SW	Driver door key cylinder LOCK position	On
1/5/ 0// 11/1 0//	Other than driver door key cylinder UNLOCK position	Off
KEY CYL UN-SW	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
	Hazard switch is OFF	Off
HAZARD SW	Hazard switch is ON	On
REAR DEF SW NOTE:	Rear window defogger switch OFF	Off
For models with NAVI this item is not monitored.	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
TR CANCLE SW	Trunk lid opener cancel switch ON	On
TR/BD OPEN SW	Back door opener switch OFF (Coupe models) Trunk lid opener switch OFF (Roadster models)	Off
TIVED OF ENGW	 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
DKE LOCK	LOCK button of the Intelligent Key is not pressed	Off
RKE-LOCK	LOCK button of the Intelligent Key is pressed	On
DIVE LINI OOK	UNLOCK button of the Intelligent Key is not pressed	Off
RKE-UNLOCK	UNLOCK button of the Intelligent Key is pressed	On
RKE-TR/BD NOTE:	TRUNK OPEN button of the Intelligent Key is not pressed	Off
For Coupe models this item is not monitored.	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
NNL-F/W OFEN	UNLOCK button of the Intelligent Key is pressed and held	On
DIE MODE OLIO	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On

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Monitor Item	Condition	Value/Status
ODTICAL SENSOD	Bright outside of the vehicle	Close to 5 V
OPTICAL SENSOR	Dark outside of the vehicle	Close to 0 V
DEO OW DD	Driver door request switch is not pressed	Off
REQ SW -DR	Driver door request switch is pressed	On
	Passenger door request switch is not pressed	Off
REQ SW -AS	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	Back door request switch is not pressed (Coupe models) Trunk lid door request switch is not pressed (Roadster models)	Off
NEQ OW -DD/TK	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
GN RLY2 -F/B	NOTE: The item is indicated, but not monitored.	Off
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off
CLUCH SW	The clutch pedal is not depressed	Off
NOTE: For A/T models this item is not monitored.	The clutch pedal is depressed	On
	The brake pedal is depressed when No. 7 fuse is blown	Off
BRAKE SW 1	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
	The brake pedal is not depressed	Off
BRAKE SW 2	The brake pedal is depressed	On
DETE/CANCL SW NOTE:	Selector lever in P position (A/T models) The clutch pedal is depressed (M/T models without SynchroRev Match mode)	Off
For M/T models with Synchro- Rev Match mode this item is not monitored.	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: For roadster M/T models and	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
coupe M/T models without SynchroRev Match mode this tem is not monitored.	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	NOTE: The item is indicated but not monitored.	Off
S/L -UNLOCK	NOTE: The item is indicated but not monitored.	Off
S/L RELAY-F/B	NOTE: The item is indicated but not monitored.	Off
INIK SEN DD	Driver door is unlocked	Off
UNLK SEN -DR	Driver door is locked	On
	Push-button ignition switch (push-switch) is not pressed	Off
PUSH SW -IPDM	Push-button ignition switch (push-switch) is pressed	On

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Monitor Item	Condition	Value/Status
ION DIVA E/D	Ignition switch in OFF or ACC position	Off
IGN RLY1 -F/B	Ignition switch in ON position	On
DETE CW IDDM	Selector lever in any position other than P	Off
DETE SW -IPDM	Selector lever in P position	On
SFT PN -IPDM	 Selector lever in any position other than P and N (A/T models) The clutch pedal is not depressed (M/T models) 	Off
SI I FIN -IF DIVI	 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
OI II -WLI	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
SI I IN -IVIL I	Selector lever in N position	On
	Engine stopped	Stop
ENGINE STATE	While the engine stalls	Stall
ENGINE STATE	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L UNLK-IPDM	NOTE: The item is indicated but not monitored.	Off
S/L RELAY-REQ	NOTE: The item is indicated but not monitored.	Off
VEH SPEED 1	While driving	Equivalent to speedom- eter reading
VEH SPEED 2	While driving	Equivalent to speedom- eter reading
	Driver door is locked	LOCK
DOOR STAT-DR	Wait with selective UNLOCK operation (60 seconds)	READY
	Driver door is unlocked	UNLOCK
	Passenger door is locked	LOCK
DOOR STAT-AS	Wait with selective UNLOCK operation (60 seconds)	READY
	Passenger door is unlocked	UNLOCK
ID OK FLAG	Driver side door is open after ignition switch is turned OFF (Shift position is in the P position)	Reset
	Ignition switch ON	Set
PRMT ENG STRT	The engine start is prohibited	Reset
PRIVIT ENG STRT	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
VEV SW SLOT	The Intelligent Key is not inserted into key slot	Off
KEY SW -SLOT	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
RKE OPE COUN2	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key

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Monitor Item	Condition	Value/Status
CONFINAID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
CONFRM ID ALL	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
CONFIRM ID4	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
CONFINITIOS	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
CONFIRM ID2	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
CONFIRM IDT	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
	The ID of fourth Intelligent Key is not registered to BCM	Yet
TP 4	The ID of fourth Intelligent Key is registered to BCM	Done
TD 0	The ID of third Intelligent Key is not registered to BCM	Yet
TP 3	The ID of third Intelligent Key is registered to BCM	Done
	The ID of second Intelligent Key is not registered to BCM	Yet
TP 2	The ID of second Intelligent Key is registered to BCM	Done
	The ID of first Intelligent Key is not registered to BCM	Yet
TP 1	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 REGOTTET	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 REGOT KET	ID of rear LH tire transmitter is not registered	Yet
WARNING LAMP	Tire pressure indicator OFF	Off
VVAINING LAWIF	Tire pressure indicator ON	On
DI 177ED	Tire pressure warning alarm is not sounding	Off
BUZZER	Tire pressure warning alarm is sounding	On

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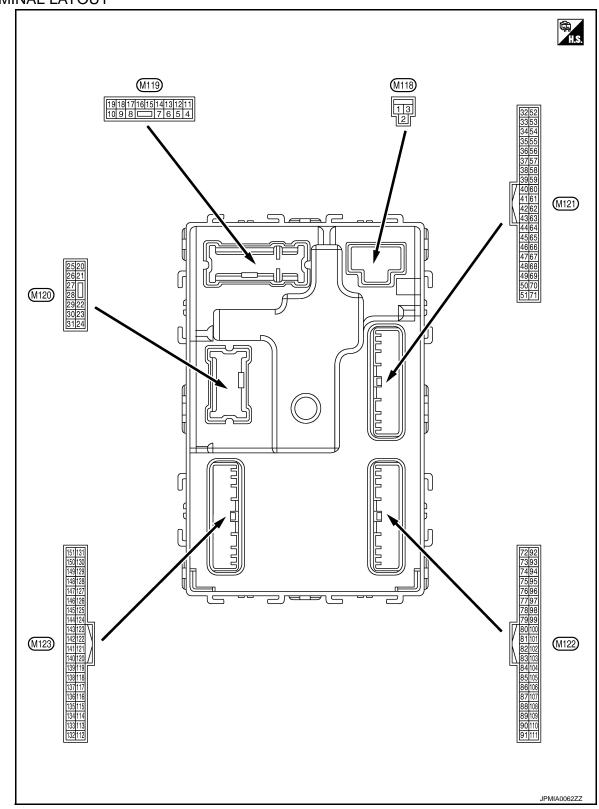
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TERMINAL LAYOUT



PHYSICAL VALUES

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color)		Description	*			Value			
+	- color)	Signal name	Input/ Output		Condition	(Approx.)			
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 (IGN)	Output	Ignition switch (ON	12 V			
					mp battery saver is activated. or room lamp power supply)	0 V			
4 (R)	Ground	Interior room lamp power supply	Output	vated.	mp battery saver is not acti- erior room lamp power sup-	12 V			
5	Crownd	Passenger door UN-	Outrout	Passenger	UNLOCK (Actuator is activated)	12 V			
(G)	Ground	LOCK	Output	door	Other than UNLOCK (Actuator is not activated)	0 V			
8	Crownsi	All doors, fuel lid	Output	All doors, fuel	LOCK (Actuator is activated)	12 V			
(V)	(V) Ground LOCK	Output	lid	Other than LOCK (Actuator is not activated)	0 V				
9	0	Driver door, fuel lid	Outrout	Driver door,	UNLOCK (Actuator is activated)	12 V			
(G)	Ground	UNLOCK	Output	fuel lid	Other than UNLOCK (Actuator is not activated)	0 V			
11 (BR)	Ground	Battery power supply	Input	Ignition switch (DFF	Battery voltage			
13 (B)	Ground	Ground	_	Ignition switch (ON	0 V			
					OFF	0 V			
1.4		Push-button ignition				NOTE: When the illumination brightening/dimming level is in the neutral position.			
14 (R)	Ground	switch illumination ground	Output	Output	Output	Tail lamp	Tail lamp	ON	(V) 10 0 2 ms
15	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	JSNIA0010GB Battery voltage			
(Y)	Ground	7.00 indicator lamp	Output	ignition switch	ACC	0 V			

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	nal No.	Description				.,,
(Wire	color)	Signal name	Input/ Output		Condition	Value (Approx.)
					Turn signal switch OFF	0 V
17 (W)	Ground	Turn signal RH (Front and side)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1 s PKID0926E
					Turn signal switch OFF	6.5 V 0 V
18 (O)	Ground	Turn signal LH (Front and side)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
19 (P)	Ground	Interior room lamp control	Output	Interior room lamp	OFF ON	12 V 0 V
					Turn signal switch OFF	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
23		Back door/Trunk lid		Back door/	OPEN (Back door/Trunk lid opener actuator is activated)	12 V
(L)* ¹ (Y)* ²	Ground	open	Output	Trunk lid	Other than OPEN (Back door/Trunk lid opener actuator is not activated)	0 V
24* ⁸	Ground	Rear fog lamp	Output	Rear fog lamp	OFF	0 V
(O)					ON Turn signal switch OFF	12 V 0 V
					Tam digital dwitter Of F	
25 (LG)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
				Luggage room/	ON	0.5 V
30 (R)	Ground	Luggage room/Trunk room lamp	Output	Trunk room lamp	OFF	12 V

< ECU DIAGNOSIS INFORMATION >

Terminal No. Description (Wire color)				Condition	Value	
+	- COIOT)	Signal name	Input/ Output		Condition	(Approx.)
34		Luggage room/Trunk		Ignition switch	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 1 s JMKIA0062GB
(G)	Ground	room antenna (-)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB
35		Luggage room/Trunk		Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB
(R)	Ground	room antenna (+)	Output	ŎFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB
38	Ground	Rear bumper anten-	Output	When the back door/trunk lid door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(B)	Glound	na (–)	Output	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s

< ECU DIAGNOSIS INFORMATION >

	nal No. color)	Description	1		0	Value	
+	–	Signal name	Input/ Output		Condition	(Approx.)	
39	Occupation	Rear bumper anten-	0.4-4	When the back door/trunk lid door request switch is oper- ated with igni- tion switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB	
(W)	Ground	na (+)	Output		When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB	
47	Cround	Ignition relay (IPDM	Outnut	lanition quitab	OFF or ACC	12 V	
(V)	Ground	E/R) control	Output	Ignition switch	ON	0 V	
		ound Starter relay control	Output	Ignition switch ON (A/T mod- els)	When selector lever is in P or N position	12 V	
52	Ground				When selector lever is not in P or N position	0 V	
(SB)	Ground			Ignition switch ON (M/T mod- els)	When the clutch pedal is depressed	Battery voltage	
					When the clutch pedal is not depressed	0 V	
60	Ground	Push-button ignition	Innut	Input	Push-button ig- nition switch	Pressed	0 V
(BR)	0.00	switch (Push switch)		(push switch)	Not pressed	Battery voltage	
61 (W)	Ground	Back door/Trunk Lid door request switch	Input	Back door/ Trunk lid door request switch	ON (Pressed) OFF (Not pressed)	0 V (V) 15 10 5 10 ms JPMIA0016GB 1.0 V	
64	Ground	Intelligent Key warn-	Output	Intelligent Key	Sounding	0 V	
(G)	Cround	ing buzzer	Carput	warning buzzer	Not sounding	12 V	
66 (R)	Ground	Back door/Trunk room lamp switch	Input	Back door/ Trunk room lamp switch	OFF (Door close)	(V) 15 10 5 0 10 ms JPMIA0011GB	
					ON (Door open)	0 V	
					- \(\ \- \- \- \)		

< ECU DIAGNOSIS INFORMATION >

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	Terminal No. Description (Wire color)				Value	А	
+	-	Signal name	Input/ Output		Condition	(Approx.)	\wedge
					Pressed	0 V	В
67 (GR)	Ground	Back door/Trunk lid opener switch	Input	Back door/ Trunk lid open- er switch	Not pressed	(V) 15 10 5 0 10 ms JPMIA0011GB	C
						(V)	Е
					When Intelligent Key is in the passenger compart- ment	15 10 5 0	F
72	Ground	Room antenna 2 (-)	0.1.1	Ignition switch		JMKIA0062GB	G
(L)		Output	ŌFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0	Н	
						JMKIA0063GB	.1
					When Intelligent Key is in the passenger compartment	(V) 15 10 5 0	К
						1 s JMKIA0062GB	DEF
73 (P)	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF		00	M
					When Intelligent Key is not	(V) 15 10 0	
					in the passenger compart- ment	1 s	N
						JMKIA0063GB	0

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< ECU DIAGNOSIS INFORMATION >

	nal No.	Description		Condition		Value	
+ (vvire	color)	Signal name	Input/ Output			(Approx.)	
74	Ground	Passenger door an-		When the passenger door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB	
(SB)	Clound	tenna (–)	Output		When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB	
75	Ground	Passenger door antenna (+)	Output	When the passenger door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 S S S S S S S S S	
(BR)	Ground				When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB	
76	Cround	Driver door antenna	Output	When the driver door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB	
(V)	Ground	(-)	Curput	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB	

< ECU DIAGNOSIS INFORMATION >

Terminal No. Description (Wire color)			0	Value		
+	- COIOF)	Signal name	Input/ Output		Condition	(Approx.)
77		Driver door antenna		When the driver door request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(LG)	Ground	(+)	Output	switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB
78* ²	Crowd	Room antenna 1 (–)	Outout	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
(L)		Output	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB	
79* ²	Ground	Room antenna 1 (+)	Output	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
(R) O	Cround	(Instrument panel)	Сири	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB

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	nal No. color)	Description			Condition	Value
+	_	Signal name	Input/ Output		Condition	(Approx.)
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent 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 Intelligent 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 12 V
83	Ground	Remote keyless entry		During waiting		(V) 15 10 5 0 1 ms JMKIA0064GB
(GR)	Glound	receiver (front) com- munication	Output	When operating either button on the Intelligent Key		(V) 15 10 5 0 1 ms JMKIA0065GB
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 JPMIA0041GB 1.4 V
87 (BR) Grour	Ground	Ground Combination switch INPUT 5	Input	Combination switch	Rear fog lamp switch ON (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 2 Wiper intermittent dial 6 Wiper intermittent dial 7	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V

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(Mira color)		Description	T		One distan	Value
+	-	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
					Lighting switch HI (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	Lighting switch 2ND (Wiper intermittent dial 4)	1.3 V (V) 15 10 2 ms JPMIA0037GB 1.3 V
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 2 Wiper intermittent dial 3	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V
90 (P)	Ground	CAN-L	Input/ Output		_	_
91 (L)	Ground	CAN-H	Input/ Output		— OFF	- 0 V
92 (LG)	Ground	Key slot illumination	Output	Key slot illumi- nation	Blinking	(V) 15 10 5 0 1 s JPMIA0015GB 6.5 V
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
. ,					ON	0 V

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	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
95	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
(O)	Oround	Noo relay control	Output	ignition switch	ACC or ON	12 V
96* ³ (Y)	Ground	A/T shift selector (Detention switch) power supply	Output		_	12 V
		Selector lever P posi-		Colootorilovor	P position	0 V
6		tion switch (A/T models)		Selector lever	Any position other than P	12 V
99* ⁶ (R)	Ground	Clutch pedal position switch (M/T models	Input	Clutch pedal	OFF (Clutch pedal is depressed)	0 V
		without SynchroRev Match mode)			ON (Clutch pedal is not depressed)	Battery voltage
					ON (Pressed)	0 V
100 (GR)	Ground	Passenger door request switch	Input	Passenger door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB 1.0 V
					ON (Pressed)	0 V
101 (Y)	Ground	Driver door request switch	Input	Driver door request switch	OFF (Not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB
102	Ground	Blower fan motor re-	Output	Ignition switch	OFF or ACC	0 V
(O)	Ground	lay control	Output	ignition switch	ON	12 V
103 (LG)	Ground	Remote keyless entry receiver (front) power supply	Output	Ignition switch (DFF	12 V

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. Description				Value	
(Wire color)	Signal name	Input/ Output		Condition	(Approx.)
				All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
				Turn signal switch LH	(V) 15 10 5 0 2 ms JPMIA0037GB
107 (LG) Grour	Combination switch INPUT 1	Input	Combination switch (Wiper intermit- tent dial 4)	Turn signal switch RH	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V
				Front wiper switch LO	(V) 15 10 5 0 2 ms JPMIA0038GB
				Front washer switch ON	(V) 15 10 5 0 2 ms JPMIA0039GB

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< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
(Wire	Signal name Input/ Output		Condition	(Approx.)		
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB 1.4 V
108	Ground	Combination switch	Input	Combination	Lighting switch AUTO (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0038GB
(R)	Giodilia	INPUT 4	mpat	switch	Lighting switch 1ST (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB
					Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 5 Wiper intermittent dial 6	(V) 15 10 5 0 2 ms JPMIA0039GB 1.3 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF	(V) 15 10 5 0 2 ms JPMIA0041GB
					Lighting switch PASS	(V) 15 10 5 0 2 ms JPMIA0037GB
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	Lighting switch 2ND	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3 V
					Front wiper switch INT	(V) 15 10 5 0 2 ms JPMIA0038GB 1.3 V
					Front wiper switch HI	(V) 15 10 5 0 2 ms JPMIA0040GB 1.3 V
					ON	0 V
110 (P)	Ground	Hazard switch	Input	Hazard switch	OFF	(V) 15 10 5 10 ms JPMIA0012GB 1.1 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)
113	Cround	Ontical concer	lanut	Ignition switch	When bright outside of the vehicle	Close to 5 V
(O)	Ground	Optical sensor	Input	ON	When dark outside of the vehicle	Close to 0 V
114* ⁴	Ground	Clutch interlock	Innut	Clutchinterlock	OFF (Clutch pedal is not depressed)	0 V
(R)	Ground	switch	Input	switch	ON (Clutch pedal is depressed)	Battery voltage
115* ⁹ (O)	_	_	_		_	_
116 (SB)	Ground	Stop lamp switch 1	Input		_	Battery voltage
118	Constitution	Oten Jamesitale C	المتحديد	Stop lamp	OFF (Brake pedal is not depressed)	0 V
(P)	Ground	Stop lamp switch 2	Input	switch	ON (Brake pedal is depressed)	Battery voltage
119 (SB)	(SB) Ground a	Driver side door lock assembly (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	(V) 15 10 10 ms JPMIA0012GB 1.1 V
					UNLOCK status (Unlock switch sensor ON)	0 V
121				When the Intelliq	gent Key is inserted into key	12 V
(R)	Ground	Key slot switch	Input	When the Intellig	gent Key is not inserted into	0 V
123	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
(W)	Ground	IGIN leedback	mput	ignition switch	ON	Battery voltage
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	(V) 15 10 5 0 10 ms JPMIA0011GB
					ON (Door open)	0 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
(Wire +	color)	Signal name	Input/ Output		Condition	(Approx.)
129* ² (O)	Ground	Trunk lid opener cancel switch	Input	Trunk lid open- er cancel switch	CANCEL	(V) 15 10 5 0 10 ms JPMIA0012GB 1.1 V
					ON	0 V
130* ⁷ (L)	Ground	Rear window defog- ger switch	Input	Ignition switch ON	Rear window defogger switch OFF	(V) 15 10 5 0 10 ms JPMIA0012GB
					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 C	ON	(V) 15 10 5 0 10 ms JPMIA0013GB
				Ignition switch C	OFF or ACC	12 V
					ON (Tail lamps OFF)	9.5 V
133 (G)	Ground	Push-button ignition switch illumination	Output	Push-button ig- nition switch il- lumination	ON (Tail lamps ON)	NOTE: The pulse width of this wave is varied by the illumination brightening/dimming level. (V) 15 10 5 0
					OFF	JPMIA0159GB
134	Graves	LOCK indicator law-	Outros	LOCKindicator	OFF	Battery voltage
(GR)	Ground	LOCK indicator lamp	Output	lamp	ON	0 V
137 (P)	Ground	Receiver and sensor ground	Input	Ignition switch C	DN	0 V
138	Ground	Receiver and sensor	Output	Ignition switch	OFF	0 V
(V)	2.3414	power supply	- Carput	.3	ACC or ON	5.0 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
				Ignition switch OFF (Remote key- less entry re-	During waiting	(V) 15 10 5 0 1 ms JMKIA0064GB
139 (L)	Ground	Tire pressure receiver communication	Input/ Output	ceiver communica- tion)	When operating either button on the Intelligent Key	(V) 15 10 5 0 1 ms JMKIA0065GB
				Ignition switch ON (Tire pressure	Standby state	(V) 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
				receiver com- munication)	When receiving the signal from the transmitter	(V) 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Selector lever P/N		Selector lever	P or N position	12 V
140* ⁵		position (A/T models)			Except P and N positions	0 V
140 ²⁰ (G)	Ground	Park/neutral position switch (Coupe M/T	Input	Ignition switch	Control lever in neutral position	Battery voltage
		models with Synchro- Rev Match mode)		ON	Control lever in any position other than neutral	0 V
					ON	0 V
141 (Y)	Ground	Security indicator lamp	Output	Security indicator lamp	Blinking	(V) 15 10 5 0 1 s JPMIA0014GB
					OFF	11.3 V 12 V
					OFF	IZ V

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description			Condition	Value
+	_	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF	0 V
					Lighting switch 1ST	
				Combination	Lighting switch HI	(V)
142	Ground	Combination switch	Output	switch	Lighting switch 2ND	10
(O)	Cround	OUTPUT 5	Carpar	(Wiper intermittent dial 4)	Turn signal switch RH	0 2 ms JPMIA0031GB
					All switches OFF (Wiper intermittent dial 4)	10.7 V 0 V
					Front wiper switch HI (Wiper intermittent dial 4)	(Y)
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	Any of the conditions below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7	15 10 5 0 2 ms JPMIA0032GB
					All switches OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4)	(V)
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	Any of the conditions below with all switches OFF Wiper intermittent dial 1 Wiper intermittent dial 5 Wiper intermittent dial 6	15 10 5 0 2 ms JPMIA0033GB
					All switches OFF	0 V
					Front wiper switch INT	-
				0	Front wiper switch LO	(V)
145	0	Combination switch	0	Combination switch	Lighting switch AUTO	15
(L)	Ground	ОИТРИТ 3	Output	(Wiper intermit- tent dial 4)	Rear fog lamp switch ON	2 ms
					All switches OFF	10.7 V 0 V
					Lighting switch 2ND	
					Lighting switch PASS	(V)
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	Turn signal switch LH	15 10 5 0 2 ms
						10.7 V

< ECU DIAGNOSIS INFORMATION >

	nal No.	Description				Value
+ (Wire	color)	Signal name	Input/ Output	Condition		(Approx.)
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	(V) 15 10 10 10 ms JPMIA0011GB
					ON (Door open)	0 V
151	Ground	Rear window defog-	Output	Rear window	Active	0 V
(G)	Giodila	ger relay control	Output	defogger	Not activated	Battery voltage

^{*1:} Coupe models

^{*2:} Roadster models

^{*3:} A/T models

^{*4:} M/T models

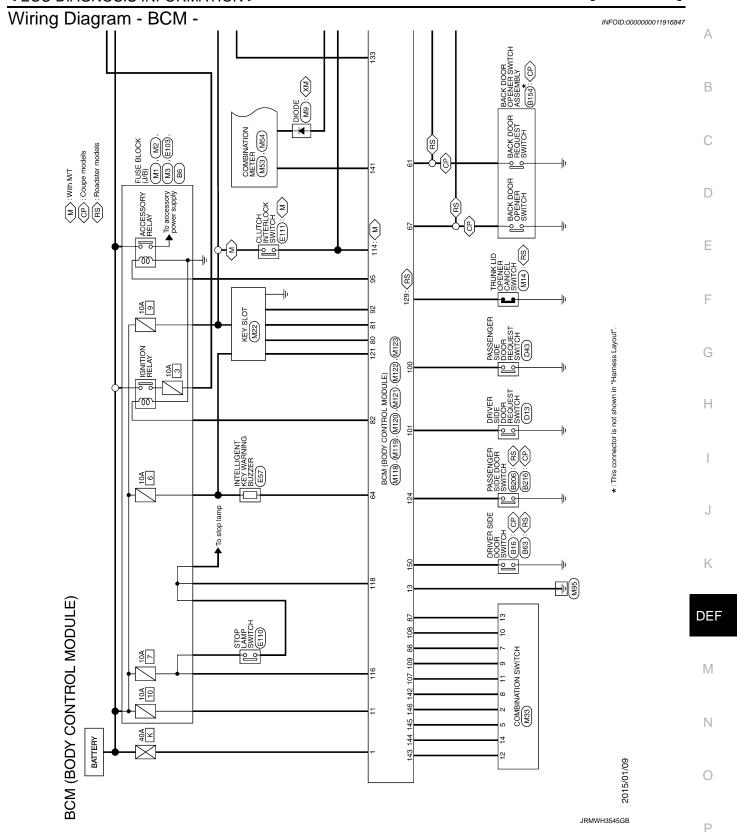
^{*5:} With A/T or coupe models with M/T and SynchroRev Match mode

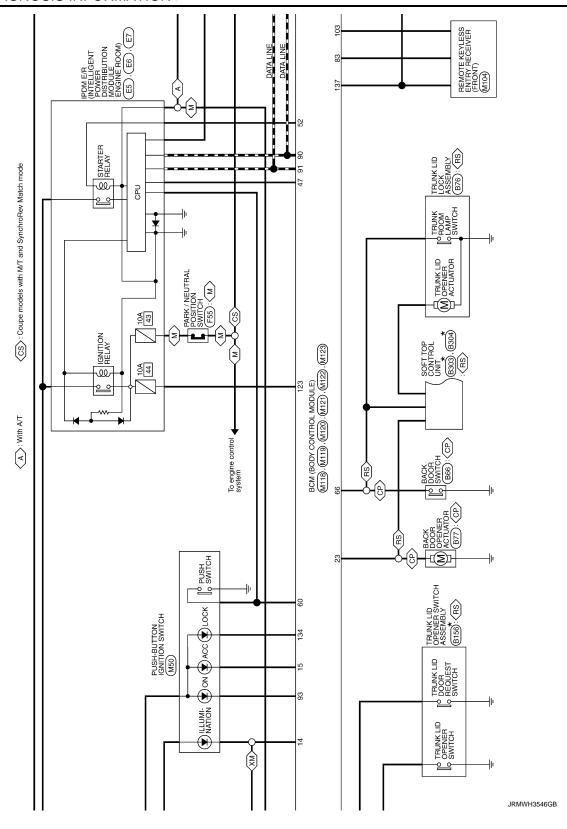
^{*6:} With A/T or with M/T without SynchroRev Match mode

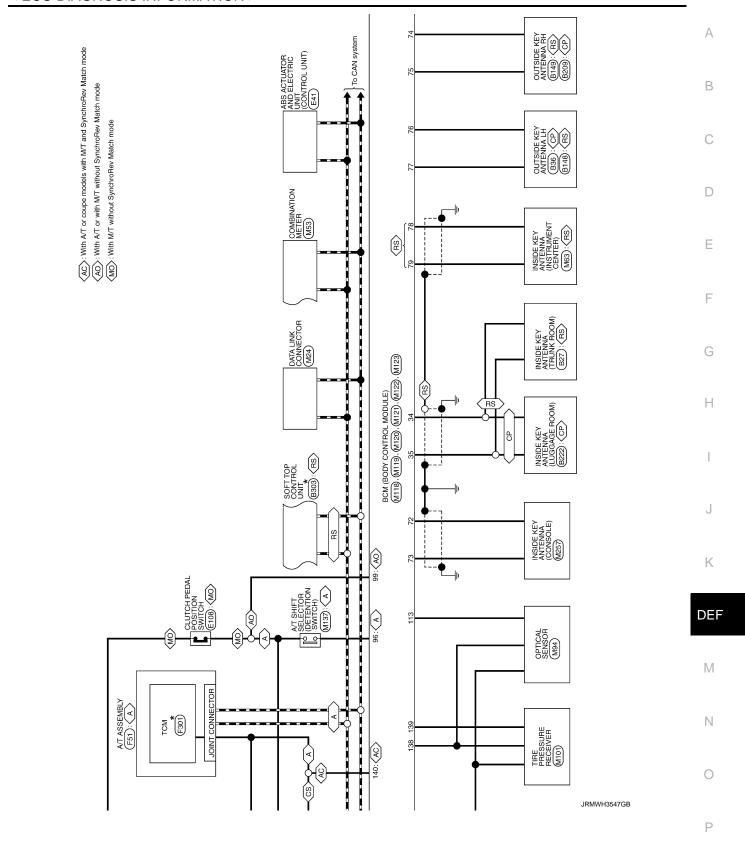
^{*7:} Without NAVI

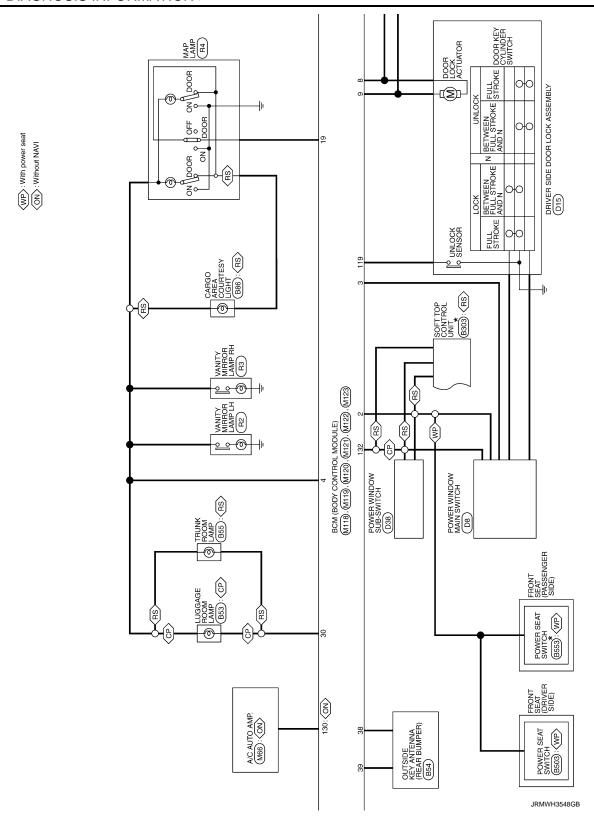
^{*8:} With rear fog lamp

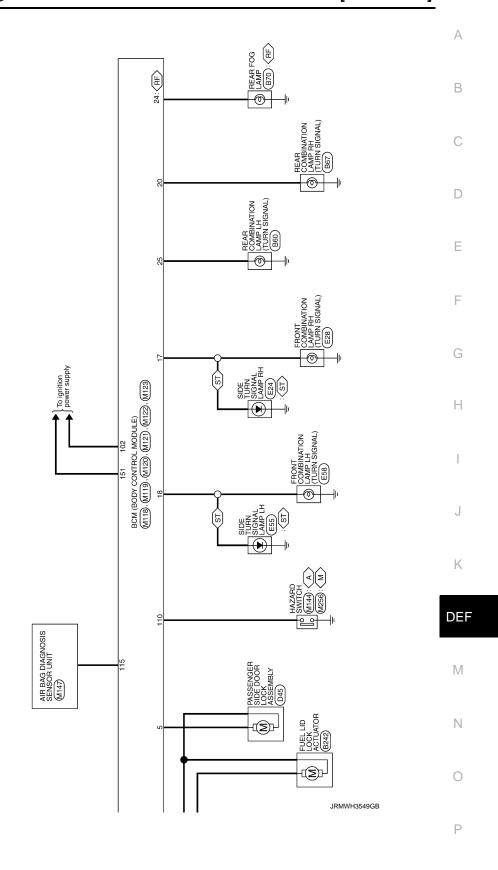
^{*9:} BCM does not use this terminal for control.









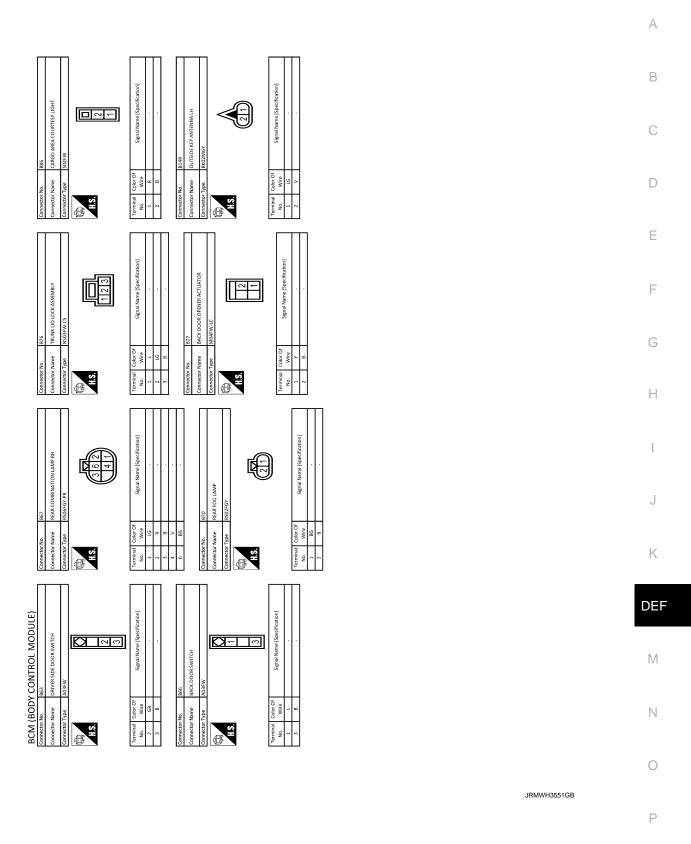


⟨RE⟩: With rear fog lamp
⟨ST⟩: With side turn signal lamp

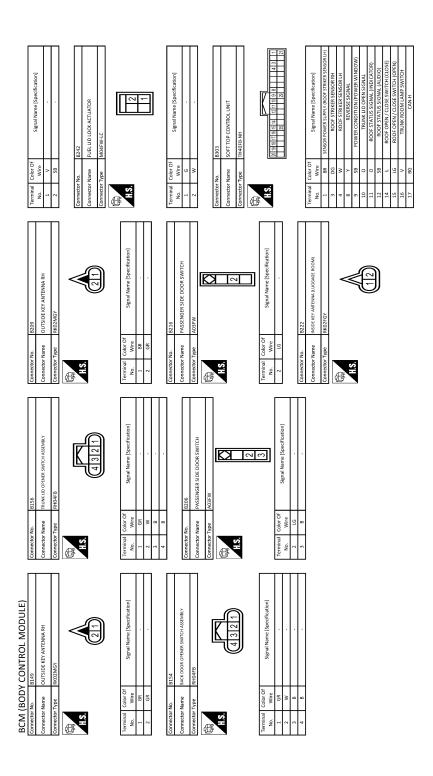
SSS STRUK BOOM LANP SS2PW	Signal Name (Specification)	Signal Name (Specification) [Coupe moddle] [Houdster models]
Connector No. Connector Name Connector Type H.S.	Terminal Color Of No. Wire No. Wire 1 BR 1 BR Connector No. Connector Name Connector Type	Mire G G G G G V V V V V V V V V V V V V V
Connector No.	Connector No Conne	Terminal No. 1 2 2 2 2 4 4 6 6
1853 Сизсасе коом име Сизсас	Signal Name (Specification)	Signal Name [Specification]
Connector No. Connector Name Connector Type	Terminal Color Of No. Wire No. Table Color Of Connector No. Connector No. Connector Type	Terminal Color Of No. Wire Wire W
Connector No. B27 Connector Name INSI DE KEY ANTENNA, (TRUNK ROOM) CONNECTOR Type INICOTECT MAS.	Terminal Color Of Signal Name [Specification] No. Whee Signal Name [Specification] 1 V - Signal Name [Specification] Connector No. Bibs Connector Name OUTSDE KEY ANTENNA LH Connector Type RIGGMGY	Terminal Color Of Signal Name (Specification) No. Wire 1 1/G
BCM (BODY CONTROL MODULE) Connector Name FLIS BLOCK (I/B) Connector Type MS1278IR-CS TALS Note of Signal Name [Specification]	Odor Of Signal Name [Specification] When GR	
BCM (BOI Connector No.	* 	Terminal Color Of No. Wire 2 GR
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[ROADSTER]



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INDOW SUB-SWITCH		12 R PRODRES PRODES PR	++-
Connector No. 013 Connector Name Divive SIDE DOOR REQUEST SWITCH Connector Type RK02FL	Terminal Color Of Signal Name [Specification] No. Whee Signal Name [Specification]		
	5 4 3	Connector No. DB	388
BCM BODY CONTROL MODULE	e .		Ferminal Ordor U1 Signal Name [Specification] No. Wire

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Connectorallo	Je e	Connector Type BAA42FB-AHZ4-LH	色	H.S. (13) (13) (14) (15) (15) (15) (15) (15) (15) (15) (15	2	lar	No. Wire			4 B GROUND		BG	***	B S	× 0	. >	91	GR	9	a :	SB	31 R VDCOFFSW	_	45 B BUS:H		Connector No. E55	۾	П	Collector type KNOZPOT		₩ EFF	W. C. H. C.)			
32 60	ξ o 5	+	30 W -	Connector No. E24	Connector Name SIDE TURN SIGNAL LAMP RH Connector Type RKD2FGY		Children Children		(211)				le L	No. Wire	> a	-		Connector No. E28	Connector Name FRONT COMBINATION LAMP RH		Connector Type RS06FGY-PR	₫.	THE STATE OF THE S		ส	(4 5 8))	-	No Wire Signal Name (Specification)	t	4 B/W	S R .	91 9		8 b			
Connector No	9	Connector Type TH08FW-NH		H.S. 42 41 40 39	46 45 44 43	lar	No. Wire	40 L	41 B/W	+	Н	+	+	46 V		Connector No. E7	T,		Connector Type TH20FW-CS12-M4	q		1. S. 1. S.	200000000000000000000000000000000000000				ler	Wire	40 PG	33 ×	53 W	S4 v	Н		+	2 88 89	ł	H
BCM (BODY CONTROL MODULE)	Je Je	Connector Type E06FGY-RS				E .	No. Wire	┝	ł		Connector No. E5	Connector Name IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE	Т	Connector Type TH20FW-CS1Z-M4-1V	€.			4 5 7 16 19 36				e	Wire	> .	7 B - Course modelel	ľ	B/W	+	10 LG	+	27 Y	7 82	Н	36 6 .				

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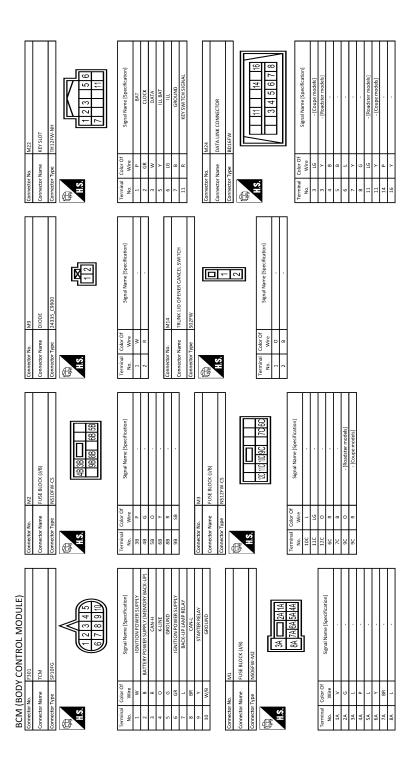
Convented No. 1774	Connector No.	STOP LAMP SWITCH Connector Name A/T ASSEMBLY	.C Connector Type RK10FG-DGY		112	6		Signal Name [Specification] Terminal Color Of Signal Name (Specification)	t	- BR BATTERY POWER SUPPLY (MEMORY BACK-UP)	3 L CAN-H	4 V K-LINE	S B GROUND	01	7 W BACK-UP LAMP RELAY	Ь	9 GR ST	10 B GROUND		Connector No. F55	Connector Name PARK / NEUTRAL POSITION SWITCH	[2 1] Connector Type RK02FB		Signal Name [Specification]				Terminal Color Of Signal Name (Specification) Wire Signal Name (Specification)	1 6		2 W ·
Connected in [5410	Connector No.	Connector Name	CS Connector Type M04FW-LC		2F1F	11/5 9F/8F		Signal Name (Specification) Terminal Color Of Name	t	- 2 W	. 3 6	- 4 p			- [Coupe models] Connector No. E111	- [Roadster models] Connector Name CLUTCH I	П	Connector Type S02FL	100000000000000000000000000000000000000	CLUTCH PEDAL PUSHION SWITCH	ieu V			2 1 Terminal Color Of	Ħ	2 GR	Signal Name [Specification]	[Without SynchroRev Match mode]	- [With SynchroRev Match mode]		- [Without SynchroRev Match mode]
Connector No	Т	Connector Name FUSE BLOCK (J/B)	Connector Type NS16FW-CS	1	H.S.			Terminal Color Of	+	H	2F W	4F G	6F BG	8F L	9F R	9F V			Т	6	Connector Type S02FL		H.S.			Terminal Color Of	Wire	1 6 -I		aa	
BCM (BODY CONTROL MODULE)	Signal Name [Specification]	- [Roadster models]	- [Coupe models]	,	7	INTELLIGENT KEY WARNING BUZZER	RKO3FBR	«		(1 3)				Signal Name (Specification)		+BAT (VOL SMALL)	BUZZER SIGNAL		8	HIGHWINOTONI	TOTAL CONTRIBUTION	UBrut-PR			4 5 8		Signal Name [Specification]				
M (BODY (Terminal Color Of	t	1 GR	2 B	Connector No. E57		actor lype	Œ	E.S.) lei	No. Wire	_	3 R		Connector No. E58	9	T	1	匮	2			- a	3 Wire	4 B/W		

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< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

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	EEDBACK SIGNAL COGNITION SIGNAL COGNITION SIGNAL SIGNAL ND UPPLY	В
1	REAR WINDOW DEFOGGER TO SIGNAL REAR WINDOW DEFOGGER OF WISHOAL REAR WINDOW DEFOGGER OF WINDOW DEFO	С
Connector No. h Connector Name A Connector Type S Terminal Color Of No. Wire 2 1 P 7 P 7 P 11 B 12 B 13 P 14 S 15 C 16 C 17 C 18 C 18 C 19 C 10 C 10 C 10 C 10 C 10 C 11 C 10 C 11 C 11 C 12 C 13 C 14 C 15 C 16 C 17 C 18 C 18 C 19 C 10		D
8 23 32 33 34 34 35 34 35 34 35 34 35 34 35 34 35 35	TI CENTEN TO STORM ST	Е
	MANUAL MODE SHIT DOUNS GIGNAL MANUAL MODE SHIT DOUNS GIGNAL MANUAL MODE SIGNAL MANUAL MODE SIGNAL MANUAL MODE SIGNAL MASS MSGE KEY ANTENNA (INSTRUMENT CENTER) SIGNAl Name [Specification]	F
Connector No. Misc Connector Name CON Connector Type IHIS IN. Wire Color Of No. Wire Con 25 W W Color Of Color	31	G H
	GROUND SERVAL	
Signation n start and star	AMBING SIGNAL GROUND AMBINT SIENCE GROUND AMBINT SIENCE GROUND AMBINT SIENCE GROUND THE LEVEL SENSOR G	J
	16 17 17 18 18 19 19 19 19 19 19	K
	2 3	DE
CONTROL MODULE) M33 COMBINATION SWITCH THISTWANH TRY NASHER! OUTPUT 4 OUTPUT 5 OUTPUT 7 INPUT 7 INPUT 7 INPUT 1	Signal Name (Sp.	M
Connector Name	100 Mine Color Of Wire B B B B B B B B B	N
		0
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BCM (BODY CONTROL MODULE)				
Connector No. M94	Connector No. M104	Connector No. M119	Connector No. M121	
Connector Name OPTICAL SENSOR	Connector Name REMOTE KEYLESS ENTRY RECEIVER (FRONT)	Connector Name BCM (BODY CONTROL MODULE)	Connector Name BCM (BODY CONTROL MODULE)	
Connector Type TK03FW	Connector Type JAB04FB	Connector Type NS16FW-CS	Connector Type TH40FGY-NH	
Œ				
SH		[S	
123	12 4	11 13 14 15 17	47 93 38 98 84 61 90 98	88 34
Terminal Color Of	Terminal Color Of	Terminal Color Of	Terminal Color Of	
Wire	No. Wire Signal Name [Specification]	No. Wire Signal Name [Specification]	No. Wire Specification	[uoi:
+	d	~ ·	g	I ANT-
2 0 OUTPUT	GR	5 G PASSENGER DOOR UNLOCK OUTPUT	+	ANT+
	4 LG BALLENY	9 V ALL DOOR, FUEL LID LOCK OUTPUT	38 B NEAR BUIMPER ANI:	
		88	NSI >	TNO
Connector No. M101	Connector No. M118	89	88	E
TIDE DECCINED	12 II JOAN (OGTNOO) MADE	14 R PUSH-BUTTON IGNITION SWILL GND	60 BR PUSHSW	
		15 Y ACCIND	61 W BACK DOOR/TRUNK LID DOOR REQUEST SW	REQUEST SW
Connector Type TK04FW	Connector Type M03FB-LC	W	9	ROOM)
Ŕ	ģ	0	œ	LAMP SW
		19 P ROOM LAMP TIMER CONTROL	67 GR BACK DOOR/TRUNK LID OPENER SW	ENER SW
	H.S.			
1 2 4		Connector No. M120	Connector No. M122	
11	7	Connector Name BCM (BODY CONTROL MODULE)	Connector Name BCM (BODY CONTROL MODULE)	
		1	Т	
		Connector Type NS12FW-CS	Connector Type TH40FB-NH	
Terminal Color Of Signal Name [Specification] No Wire Signal Name Specification Signal Name Specification No North Signal Name Specification Signal Name Specification North Signal Name Specification Specification North Signal Name Specification North Specification Specifica	Terminal Color Of Signal Name [Specification] No Wire Signal Name [Specification]		1	
	t			
2 L SIGNAL	Н	H.S. 20 23 24		77 78 75 74 73 77
4 V BATTERY	3 Y POWER WINDOW POWER SUPPLY (IGN)	[25] [30]	95 (AV 197 SET) (AV 197 SET) (AV 197 SET)	88 88
		Terminal Color Of Signal Name [Specification]	Terminal Color Of Signal Name [Specification]	[ion]
		20 V TURN SIGNAL RH (REAR)	72 L ROOMANT 2-	
		23 L BACK DOOR OPEN OUTPUT [Coupe models]	۵	
		23 Y TRUNK LID OPEN OUTPUT [Roadster models]	74 SB PASSENGER DOOR ANT	-1-
		24 O REAR FOG OUTPUT	75 BR PASSENGER DOOR ANT+	11+
		97	۸	
		30 R LUGGAGE/TRUNK ROOM LAMP OUTPUT	97	-
			+	
			79 R ROOMANT 1+	

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BCM	(BOD)	BCM (BODY CONTROL MODULE)								
81	W	NATS ANT AMP.	134	GR	LOCK IND	Connector No.	M144	52 B	SATELLITE RH2 (-)	
82	ď	IGN RELAY (F/B) CONT	137	а	RECEIVER & SENSOR GND	Connector Name	HAZARD SWITCH		SATELLITE LH2 (+)	
83	g	KYLS ENT RECEIVER (FRONT) COMM	138	>	RECEIVER & SENSOR POWER SUPPLY			+	SATELLITE LH2 (-)	
87	BR	COMBI SW INPUT 5	139	٦	TIRE PRESS RECEIV COMM	Connector Type	TK04FW	57 0	DEPLOYMENT_INFORMATIOM_OUTPUT	
88	>	COMBI SW INPUT 3	140	9	P/N POSITION	4		29 r	CAN-H	
90	Ь	CAN-L	141	٨	SECURITY INDICATOR			d 09	CAN-L	
91	_	CAN-H	142	0	COMBI SW OUTPUT 5					
95	97	KEY SLOT ILL	143	۵	COMBI SW OUTPUT 1	2				
93	>	DNINO	144	g	COMBI SW OUTPUT 2		3 1 2 4	Connector No.	M256	
95	٥	ACC RELAY CONT	145	-	COMBI SW OUTPUT 3					
96	>	A/T SHIFT SELECTOR POWER SUPPLY	146	SB	COMBI SW OUTPUT 4			Connector Name	HAZARD SWITCH	
66	~	SHIFT P/CLUTCH PEDAL POS SW	150	╀	DRIVER DOOR SW			Connector Type	TK04FW	
100	GR	PASSENGER DOOR REQUEST SW	151	H	REAR WINDOW DEFOGGER RELAY CONT	Terminal Color Of				
101	>	DRIVER DOOR REQUEST SW		\cdot			Signal Name [Specification]	1		
102	0	BLOWER FAN MOTOR RELAY CONT				1 GR	GROUND			
103	97	KYLS ENT RECEIVER (FRONT) PWR SUPPLY	Connec	Connector No.	M137	2 P	BCM	Ż		
107	97	COMBI SW INPUT 1		4	Control of the Contro	3	ILL+		3 1 2 4	
108	ď	COMBI SW INPUT 4	Conne	tor Name	A/I SHIFT SELECTOR	4 8	III			
109	>	COMBI SW INPUT 2	Connec	Connector Type	TK10FW					
110	Ь	HAZARD SW	٥							
			F		[Connector No.	M147	lal	Signal Name [Specification]	
ļ			1	2	10	Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT	No. Wire		
Connector No.	I	M123		7	7			1 8	GROUND	
Connector Name	r Name	BCM (BODY CONTROL MODULE)			5 6 7 8 9 10	Connector Type	NH28FY-EX	+	BCM	
,	Ţ					ąĮ.	[[+	+111	
Connector Type	r Iype	TH40FG:NH				李		4 BG	ILL-[Coupe models]	
₫.	_		Tormina	Tolor Of		HS.	8976 2543	4	ILL- [Koadster models]	
Ŧ			No.		Signal Name [Specification]		Į			
Ź			-	*			54.23	Connector No.	M257	
	_	1 1 1 1 1 1 1 1 1 1	2	>			18 51 53 60 59 25 57 1		An account of a second or a se	
	_		m	_				Connector Name	INSIDE RETAIN ENNA (CONSOLE)	
			4	8		Terminal Color Of	fine of Masses (Consellational	Connector Type	RKOZFGY	
			S	9	•	No. Wire				
Terminal	Color Of	[acjacojjosacji jacoj	9	ч		1 16	NSI	ß	<	
No.	Wire	office in a marine for the marine in a mar	7	٨		2 B	GND	ŧ	«	
113	0	OPTICAL SENSOR	00	d		3	DR 1 (+)	ė.	{	
114	R	CLUTCH INTERLOCK SW	6	٨		4	DR1(+)DR2(+)		((1 2))	
115	0		10	~		>	DR2(+)			
116	SB	STOP LAMP SW 1				9	AS 1 (+)			
118	۵	STOP LAMP SW 2				7 Y	AS 1 (-)			
119	SB	DR DOOR UNLOCK SENSOR				>- 80	AS 2 (+)	Terminal Color Of	2	
121	ď	KEY SLOT SW				6	AS 2 (+)	No. Wire	olgnal Name [opecification]	
123	W	IGN F/B				18 R	ECZS (+)	1 6	- [Roadster models]	
124	97	PASSENGER DOOR SW				19 1	ECZS (-)	1	- (Coupe models)	
129	0	TRUNK LID OPENER CANCEL SW				22 SHIELD	QND C	2 r	- [Coupe models]	
130	٦	REAR DEFOGGER SW				23 R	AIRBAG W/L	2 R	- [Roadster models]	
132	>	P/W SW & SOFT TOP C/U COMM [Roadster models]				24 P	SEAT BELT			
132	٨	POWER WINDOW SW COMM [Coupe models]				25 R	CUTOFF TELLTALE			
133	9	PUSH BUTTON IGNITION SW ILL POWER				51 W	SATELLITE RH2 (+)			

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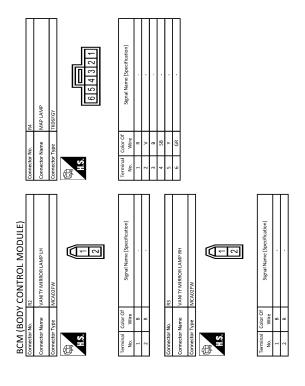
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INFOID:0000000011916848

Fail-safe

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

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Display contents of CONSULT	Fail-safe	Cancellation
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
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent Starter control relay signal Starter relay status signal
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent • Starter motor relay control signal • Starter relay status signal (CAN)
B260A: IGNITION RELAY	Inhibit engine cranking	 500 ms after the following conditions are fulfilled 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 • Power position changes to ACC • Receives engine status signal (CAN)
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
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization
B26E8: CLUTCH SW	Inhibit engine cranking	When any of the following BCM recognition conditions are fulfilled • Status 1 - Clutch switch signal (CAN from ECM): ON - Clutch interlock switch signal: OFF (0 V) • Status 2 - Clutch switch signal (CAN from ECM): OFF - Clutch interlock switch signal: ON (Battery voltage)

DTC Inspection Priority Chart

INFOID:0000000011916849

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	U1000: CAN COMM CIRCUIT U1010: CONTROL UNIT (CAN)	
3	B2190: NATS ANTENNA AMP B2191: DIFFERENCE OF KEY B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI SCANNING	

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< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Priority	DTC
4	 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: STARTER RELAY B2608: STARTER RELAY B2609: ENG STATE SIG LOST B2614: BCM B2615: BCM B2616: BCM B2617: BCM B2618: BCM B2618: BCM B2618: DCM B2618: WHICLE TYPE B26E8: CLUTCH SW B26E8: CLUTCH SW B26EA: KEY REGISTRATION C1729: VHCL SPEED SIG ERR U0415: VEHICLE SPEED SIG
5	 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	B2621: INSIDE ANTENNA B2622: INSIDE ANTENNA B2623: INSIDE ANTENNA

DTC Index

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-101, "COM-MON ITEM: CONSULT 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
No DTC is detected. further testing may be required.	_	_	_	_	_
U1000: CAN COMM CIRCUIT	_	_	_	_	BCS-49
U1010: CONTROL UNIT (CAN)	_	_	_	_	BCS-50
U0415: VEHICLE SPEED SIG	_	_	_	_	BCS-51

< 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	A
B2190: NATS ANTENNA AMP	×	_	_	_	<u>SEC-46</u>	
B2191: DIFFERENCE OF KEY	×	_	_	_	<u>SEC-49</u>	-
B2192: ID DISCORD BCM-ECM	×	_		_	<u>SEC-50</u>	(
B2193: CHAIN OF BCM-ECM	×	_	_	_	<u>SEC-52</u>	=
B2195: ANTI SCANNING	×	_		_	<u>SEC-53</u>	-
B2553: IGNITION RELAY	_	×	_	_	PCS-54	
B2555: STOP LAMP	_	×	_	_	<u>SEC-54</u>	-
B2556: PUSH-BTN IGN SW	_	×	×	_	<u>SEC-56</u>	Е
B2557: VEHICLE SPEED	×	×	×	_	<u>SEC-58</u>	-
B2560: STARTER CONT RELAY	×	×	×	_	<u>SEC-59</u>	-
B2562: LOW VOLTAGE	_	×	_	_	BCS-52	F
B2601: SHIFT POSITION	×	×	×	_	<u>SEC-60</u>	=
B2602: SHIFT POSITION	×	×	×	_	SEC-63	(-
B2603: SHIFT POSI STATUS	×	×	×	_	SEC-66	
B2604: PNP SW	×	×	×	_	SEC-69	-
B2605: PNP SW	×	×	×	_	<u>SEC-71</u>	H
B2608: STARTER RELAY	×	×	×	_	<u>SEC-73</u>	-
B260A: IGNITION RELAY	×	×	×	_	PCS-56	
B260F: ENG STATE SIG LOST	×	×	×	_	<u>SEC-75</u>	. 1
B2614: BCM	_	×	×	_	PCS-58	-
B2615: BCM	_	×	×	_	PCS-61	J
B2616: BCM	_	×	×	_	PCS-64	-
B2617: BCM	×	×	×	_	<u>SEC-79</u>	
B2618: BCM	×	×	×	_	PCS-67	- k
B261A: PUSH-BTN IGN SW	_	×	×	_	PCS-68	
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	_	SEC-82	DE
B2621: INSIDE ANTENNA	_	×	_	_	DLK-284	=
B2622: INSIDE ANTENNA	_	×	_	_	• <u>DLK-86</u> (Coupe) • <u>DLK-286</u> (Road- ster)	N
B2623: INSIDE ANTENNA	_	×	_	_	• <u>DLK-88</u> (Coupe) • <u>DLK-288</u> (Road- ster)	١
B26E8: CLUTCH SW	×	×	×	_	<u>SEC-76</u>	C
B26EA: KEY REGISTRATION	_	×	× (Turn ON for 15 seconds)	_	SEC-78	
C1704: LOW PRESSURE FL	_	_	_	×		F
C1705: LOW PRESSURE FR	_	_	_	×	\A/T 2.4	1
C1706: LOW PRESSURE RR	_	_	_	×	<u>WT-24</u>	
C1707: LOW PRESSURE RL	_	_	_	×		

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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
C1708: [NO DATA] FL	_	_	_	×	
C1709: [NO DATA] FR	_	_	_	×	WT-26
C1710: [NO DATA] RR	_	_	_	×	<u>W1-20</u>
C1711: [NO DATA] RL	_	_	_	×	
C1716: [PRESSDATA ERR] FL	_	_	_	×	
C1717: [PRESSDATA ERR] FR	_	_	_	×	WT-29
C1718: [PRESSDATA ERR] RR	_	_	_	×	<u> </u>
C1719: [PRESSDATA ERR] RL	_	_	_	×	
C1729: VHCL SPEED SIG ERR	_	_	_	×	<u>WT-31</u>
C1734: CONTROL UNIT	_	_	_	×	<u>WT-33</u>

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

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SOFT TOP CONTROL UNIT

Reference Value

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

CONSULT MONITOR ITEM

Monitor Item		Condition	Status/Value
		Lock position	ON
ROOF LATCHED RH	State of roof lock is in roof	Other than above	OFF
	latch RH	Roof striker sensor RH circuit is open or short	NG
		Lock position	ON
ROOF LATCHED LH	State of roof lock is in roof	Other than above	OFF
	latch LH	Roof striker sensor LH circuit is open or short	NG
		Lock	ON
F/CENTER LOCK	State of roof latch cylinder	Other than above	OFF
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Roof latch lock sensor circuit is open or short	NG
		Soft top is close	ON
R/RAIL RAISED LH	State of roof drive cylinder	Other than above	OFF
K/KAIL KAISED LII	LH	Roof status sensor LH circuit is open or short	NG
		Soft top is close	ON
R/RAIL RAISED RH	State of roof drive cylinder	Other than above	OFF
KRAIL RAISED KII	RH	Roof status sensor RH circuit is open or short	NG
R/RAIL LOWERED		Soft top is open	ON
	State of roof drive cylinder	Other than above	OFF
	LH	Roof status sensor LH circuit is open or short	NG
		5th bow is close	ON
5TH BOW LOWERED	State of 5th bow drive cylin-	Other than above	OFF
	der LH 5th bow status senso short		NG
		5th bow is open	ON
5TH BOW RAISED	State of 5th bow drive cylin-	Other than above	OFF
	der RH	5th bow status sensor RH circuit is open or short	NG
S/LID OPEN LH		Storage lid is open	ON
	State of storage lid drive cyl-	Other than above	OFF
	inder LH	Storage lid status sensor LH circuit is open or short	NG
		Storage lid is open	ON
S/LID OPEN RH	State of storage lid drive cyl-	Other than above	OFF
	inder RH	Storage lid status sensor RH circuit is open or short	NG

< ECU DIAGNOSIS INFORMATION >

Monitor Item		Status/Value	
		Storage lid is close	ON
S/LID CLOSE RH	State of storage lid drive cyl-	Other than above	OFF
O/LID GLOGE IVIT	inder RH	Storage lid status sensor RH circuit is open or short	NG
		Storage lid is close Other than above Storage lid status sensor RH circuit is open or short Unlock Other than above Sth bow latch open sensor circuit is open or short Operate Stop Switching valve 1 circuit is short Operate Stop Switching valve 2 circuit is short Operate Stop Switching valve 3 circuit is short Operate Stop Switching valve 4 circuit is short Operate Stop Switching valve 5 circuit is short Turning clockwise Other than above Hydraulic pump motor (RH) circuit is short Turning counterclockwise Other than above Hydraulic pump motor (LH) circuit is short Coke Other than above Sth bow latch close sensor circuit is open or short OPEN operation is in operation Other than above R position Other than pove In operation Other than above R position Other than above In non-operation Other than above	ON
5TH BOW LATCH OP	State of 5th bow latch cylin-	Other than above	OFF
	der	Storage lid status sensor RH circuit is open or short Unlock Other than above 5th bow latch open sensor circuit is open or short Operate Stop Switching valve 1 circuit is short Operate Stop Switching valve 2 circuit is short Operate Stop Switching valve 3 circuit is short Operate Stop Switching valve 4 circuit is short Operate Stop Switching valve 5 circuit is short Turning clockwise Other than above Hydraulic pump motor (RH) circuit is short Turning counterclockwise Other than above Hydraulic pump motor (LH) circuit is short Copen Suitching valve 5 circuit is short Turning counterclockwise Other than above Hydraulic pump motor (LH) circuit is short Copen Stop Copen Suitching valve 5 circuit is short Turning clockwise Other than above Hydraulic pump motor (LH) circuit is short Copen Stop Cope	NG
	Operation of quitables	Storage lid is close Other than above Storage lid status sensor RH circuit is open or short Unlock Other than above 5th bow latch open sensor circuit is open or short Operate Stop Switching valve 1 circuit is short Operate Stop Switching valve 2 circuit is short Operate Stop Switching valve 3 circuit is short Operate Stop Switching valve 4 circuit is short Operate Stop Switching valve 5 circuit is short Turning clockwise Other than above Hydraulic pump motor (RH) circuit is short Turning counterclockwise Other than above Hydraulic pump motor (LH) circuit is short Lock Other than above Sth bow latch close sensor circuit is open or short OPEN operation is in operation Other than above R position Other than R position Other than R position OPEN operation is in operation Other than above	ON
SWITCHING VALVE 1	Operation of switching valve 1		OFF
		Switching valve 1 circuit is short	NG
	On a matical of accitable a	Operate	ON
SWITCHING VALVE 2	Operation of switching valve 2	Stop	OFF
		Switching valve 2 circuit is short	NG
		Operate	ON
SWITCHING VALVE 3	Operation of switching valve 3	Stop	OFF
		short Operate Stop Switching valve 1 circuit is short Operate Stop Switching valve 2 circuit is short Operate Stop Switching valve 3 circuit is short Operate Stop Switching valve 4 circuit is short Operate Stop Switching valve 5 circuit is short Turning clockwise Other than above Hydraulic pump motor (RH) circuit is short Turning counterclockwise Other than above Hydraulic pump motor (LH) circuit is short Lock Other than above Sth bow latch close sensor circuit is open or short	NG
		Operate	ON
SWITCHING VALVE 4	Operation of switching valve 4	Stop	OFF
		Switching valve 4 circuit is short	NG
SWITCHING VALVE 5	0 " (")	Operate	ON
	Operation of switching valve 5	Stop	OFF
		Switching valve 5 circuit is short	NG
PUMP OUT (RH)	0 " (1 1	Turning clockwise	ON
	Operation of hydraulic pump motor	Other than above	OFF
		Hydraulic pump motor (RH) circuit is short	NG
	O confirmation in	Turning counterclockwise	ON
PUMP OUT (LH)	Operation of hydraulic pump motor	Other than above	OFF
		Hydraulic pump motor (LH) circuit is short	NG
		Lock	ON
5TH BOW LATCH CL	State of 5th bow latch cylin-	Other than above	OFF
	der		NG
ROOF SW (OPEN)	State of roof open/close	OPEN operation is in operation	ON
	switch	Other than above	OFF
ROOF SW (CLOSE)	State of roof open/close	CLOSE operation is in operation	ON
(OLOGE)	switch	Other than above	OFF
SHIFT R SIGNAL	Shift position	R position	ON
	Offic position	Other than R position	OFF
TRUNK OPEN OUT	Operation of trunk lid open-	OPEN operation is in operation	ON
	er actuator	Other than above	OFF
THER PROTEC PUMP	Thermo protection hydraulic	In non-operation	ОК
THEN I NOTEO POWE	pump	In operation	NG
THER PROTEC RCU	Thermo protection soft top	In non-operation	OK
HILN FINOTEG ROU	control unit	In operation	NG

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Monitor Item		Condition	Status/Value
PWR COND RCU	Power supply voltage state	Normal	OK
PWR COIND RCU	of soft top control unit	Malfunction	NG
PWR COND P/W	Power supply voltage state	Normal	OK
FWK COND F/W	of power window	Malfunction	NG
		Normal	ОК
LOCAL COMM 1	State of local communica-	It is in sleep mode	SLEEP
		Communication error	NG
	2	Normal	OK
LOCAL COMM 2	State of local communication 2	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
	State of 5th bow latch	5th bow striker is in 5th bow latch	ON
5BOW STRIK LATCH		Other than above	OFF
Show STAIR EXTOR		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 of nower windows	In operation	ON
PROHIBIT P/W UP	Prohibit of power window up	In non-operation	OFF
IGN ON SIG(BCM)	Dower position signal	Ignition switch ON	ON
	Power position signal	Other than above	OFF
DE OD DEO CW CIC	State of request switch sig-	OPEN operation is in operation	ON
RF OP REQ SW SIG	nal	Stop	OFF

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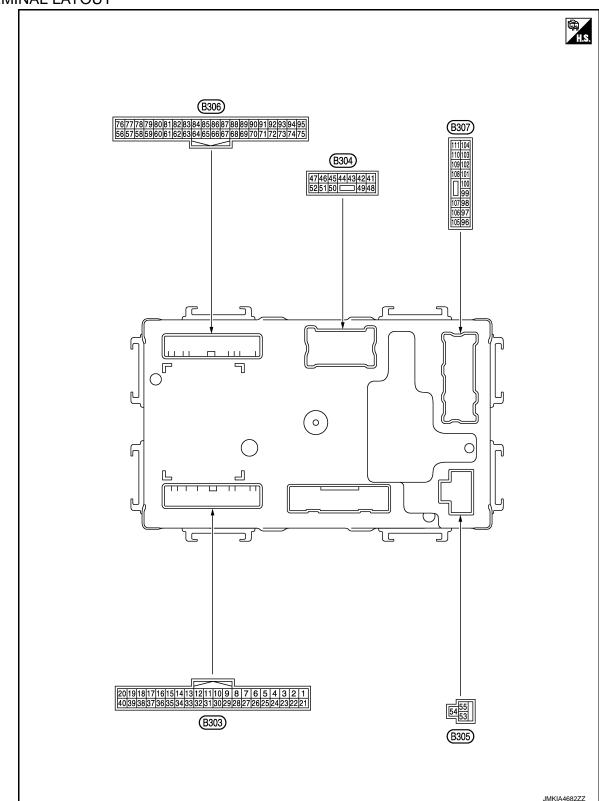
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TERMINAL LAYOUT



PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition		Value	
+	_	Signal name	Input/ Output	Condition		(Approx.)	Е
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 Released	0.8 V 3.0 V	
4 (W)	Ground	Roof striker sensor LH	Input	[Engine is running] Roof lock assembly	Hooked Released	0.8 V 3.0 V	
8 (Y)	Ground	Back up lamp signal	Input	[Ignition switch: ON] • Shift position	R position Other than above	Battery voltage	Е
9 (SB)	Ground	Power source (Power window)	Input	[Ignition switch: OFF]	above	Battery voltage	F
10	Ground	Trunk lid open request signal	Input	[Ignition switch: ON]	Operate	0 V → Battery voltage → 0 V	
(O)	Ground	(BCM)	прис	Trunk opener	Other than above	0 V	G
11	Ground	Roof status signal	Output	[Engine is running]	Illuminate	0 V	
(O)		(Indicator lamp)		Soft top indicator lamp	Not illuminate	Battery voltage	-
12		Roof status signal	_	[Engine is running]	Fully open	9.5 V	
(SB)	Ground	(Audio)	Output	Soft top system	Other than above	0 V	I
14	0	Roof open/close		[Engine is running]	Pressed	0 V	
(L)	Ground	switch (Close)	Input	Close switch	Released	Battery voltage	J
15 (LG)	Ground	Roof open/close switch (Open)	Input	[Engine is running] Open switch	Pressed Released	0 V Battery voltage	
		(Ореп)			Open	0 V	K
16 (V)	Ground	Trunk room lamp switch	Input	[Ignition switch: ON] • Trunk lid	Open Other than above	Battery voltage	DE
17 (BG)	Ground	CAN-H	Input/ Output	_		_	DE
18 (P)	Ground	CAN-L	Input/ Output	_		_	N
19 (LG)	Ground	Local communication (Power window)	Input/ Output	_		(V) 15 10 5 0 JMKIA4024GB	N
20 (V)	Ground	Local communication (BCM)	Input/ Output	_		(V) 15 10 5 0 → 10ms JMKIA4024GB	F

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value
+	-	Signal name	Input/ Output	Condition		(Approx.)
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 actuator	Output	Trunk lid opener	Operate Stop	$\begin{array}{c} \text{0 V} \rightarrow \text{Battery voltage} \rightarrow \text{0 V} \\ \\ \text{0 V} \end{array}$
48 (R)	Ground	Power source (Rear window defog- ger)	Input	[Engine is running] • Rear window defogger	Active Not active	Battery voltage 0 V
49 (R)	Ground	Power source (Rear window defog- ger)	Input	[Engine is running] Rear window defogger	Active Not active	Battery voltage 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 Other than above	0.8 V 3.0 V
57 (G)	Ground	5th bow latch open sensor	Input	[Engine is running] • 5th bow latch	Unlock Other than above	0.8 V 3.0 V
58 (LG)	Ground	Storage lid status sensor RH (Open)	Input	[Engine is running] • Storage lid	Full open Other than above	0.8 V 3.0 V
59 (W)	Ground	Storage lid status sensor RH (Close)	Input	[Engine is running] • Storage lid	Full close Other than above	0.8 V 3.0 V
60 (DG)	Ground	Storage lid status sensor LH (Open)	Input	[Engine is running] • Storage lid	Full open Other than above	0.8 V 3.0 V
61 (Y)	Ground	Roof status sensor RH (Close)	Input	[Engine is running] • Soft top	Raised Other than above	0.8 V 3.0 V
66 (L)	Ground	Roof status sensor LH (Open)	Input	[Engine is running] • Soft top	Lowered Other than above	0.8 V 3.0 V
68 (P)	Ground	5th bow status sensor RH	Input	[Engine is running] • 5th bow	Raised Other than above	0.8 V 3.0 V
69 (V)	Ground	Roof status sensor LH (Close)	Input	[Engine is running] • Soft top	Raised Other than above	0.8 V 3.0 V

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

Terminal No. (Wire color) Description			- Condition		Value		
+	_	Signal name	Input/ Output	Condition		(Approx.)	
70 (O)	Ground	5th bow status sensor LH	Input	[Engine is running] • 5th bow	Lowered Other than above	0.8 V 3.0 V	
					Lock	0.8 V	
71 (SB)	Ground	Roof latch lock sensor	Input	[Engine is running]Roof lock assembly	Other than above	3.0 V	
72 (W/R)	Ground	Hydraulic pump tem- perature sensor	Input	[Engine is running]		0 - 4.8 V Output voltage varies with hy- draulic pump temperature.	
73 (R)	Ground	Hydraulic pump relay 2 ON signal	Input	[Engine is running] • Hydraulic pump motor (Right rotation)	Active Inactive	12 V	
. ,				(Right rotation) [Engine is running]	Active	12 V	
74 (R/B)	Ground	Hydraulic pump relay 1 ON signal	Input	Hydraulic pump motor (Left rotation)	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 sen- sor)	Output	[Engine is running]	1	12 V	
76 (L)	Ground	5th bow striker sen- sor	Input	[Engine is running] • 5th bow striker	Hooked Released	0.8 V 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 sen- sor/5th bow status sensor LH)	Output	[Engine is running]		12 V	
95 (BR)	Ground	Sensor power supply (Storage lid status sensor/5th bow sta- tus sensor RH)	Output	[Engine is running]		12 V	
96 (W)	Ground	Switching valve 4	Output	[Engine is running] • Switching valve 4	Active Inactive	12 V 0 V	
97 (LG)	Ground	Switching valve 3	Output	[Engine is running] • Switching valve 3	Active Inactive	12 V	
98	Ground	Switching valve 2	Output	[Engine is running]	Active	12 V	
(L)		-	-	Switching valve 2	Inactive	0 V	
99 (O)	Ground	Switching valve 1	Output	[Engine is running]Switching valve 1	Active	12 V	
(0)				[Engine is running]	Inactive Active	0 V	
100	Ground	Hydraulic pump relay	Output	Hydraulic pump motor	∆011∧€	1	

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

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

Fail-safe

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	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 is14.5 (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.

< ECU DIAGNOSIS INFORMATION >

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	Display contents of CONSULT	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 SEN- SOR	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:0000000011739118

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		
	U1000	CAN COMM CIRCUIT	
	U1010	CONTROL UNIT (CAN)	
	B170F	SENSOR POWER SUPPLY	
	B175C	PWR SOURCE(ROOF)	
1	B175D	PWR SOURCE(ROOF)	
	B175E	PWR SOURCE(WINDOW)	
	B175F	PWR SOURCE(WINDOW)	
	B1701	ROOF CONTROL UNIT	
	B1702	ROOF CONTROL UNIT	

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

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

DTC Index

NOTE:

For details of Freeze Frame Data, refer to RF-28, "CONSULT Function".

	Display contents of CONSULT	Fail-safe	Freeze Frame Data	Reference page
No DTC is o	detected. Further testing may be required.	_	_	_
U1000	CAN COMM CIRCUIT	×	×	<u>RF-71</u>

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

	Display contents of CONSULT	Fail-safe	Freeze Frame Data	Reference page
U1010	CONTROL UNIT (CAN)	×	×	RF-72
U0140	LOCAL COMM-1	×	×	<u>RF-73</u>
U0215	LOCAL COMM-2	×	×	RF-74
B1701	ROOF CONTROL UNIT	×	×	<u>RF-76</u>
B1702	ROOF CONTROL UNIT	×	×	<u>RF-77</u>
B1709	ROOF SWITCH-OPEN	×	×	<u>RF-78</u>
B170A	ROOF SWITCH-CLOSE	×	×	<u>RF-80</u>
B170F	SENSOR POWER SUPPLY	×	×	RF-82
B171A	HYDRAULIC PMP(LH)	×	×	<u>RF-85</u>
B171B	HYDRAULIC PMP(RH)	×	×	<u>RF-88</u>
B171C	SWITCHING VALVE 1	×	×	<u>RF-91</u>
B171D	SWITCHING VALVE 2	×	×	<u>RF-93</u>
B172C	ROOF STATE SIG(TRUNK)*	×	×	<u>RF-95</u>
B1731	HYDRAULIC STATE 1	×	×	<u>RF-97</u>
B1758	THERMO PROTECTION	×	×	<u>RF-98</u>
B175C	PWR SOURCE(ROOF)	×	×	<u>RF-99</u>
B175D	PWR SOURCE(ROOF)	×	×	RF-100
B175E	PWR SOURCE(WINDOW)	×	×	RF-101
B175F	PWR SOURCE(WINDOW)	×	×	RF-103
B1766	SWITCHING VALVE 3	×	×	<u>RF-105</u>
B1767	SWITCHING VALVE 4	×	×	RF-107
B1768	SWITCHING VALVE 5	×	×	RF-109
B176A	THERMO PROTECTION	×	×	<u>RF-111</u>
B176B	ROOF WARNING LAMP	×	×	<u>RF-112</u>
B176C	STRIKER SENSOR RH	×	×	<u>RF-114</u>
B176D	STRIKER SENSOR LH	×	×	<u>RF-116</u>
B176E	ROOF LATCH LOCK SEN	×	×	<u>RF-118</u>
B176F	ROOF STATUS SEN LH	×	×	<u>RF-120</u>
B1770	ROOF STATUS SEN RH	×	×	<u>RF-122</u>
B1771	ROOF STATUS SEN LH	×	×	<u>RF-124</u>
B1772	5BOW STATUS SEN LH	×	×	<u>RF-126</u>
B1773	5BOW STATUS SEN RH	×	×	<u>RF-128</u>
B1774	S/LID STATUS SEN LH	×	×	<u>RF-130</u>
B1775	S/LID STATUS SEN RH	×	×	RF-132
B1776	S/LID STATUS SEN RH	×	×	<u>RF-134</u>
B1777	REAR DEF OUT SIG	×	×	RF-136
B1778	TRUNK OPEN OUT SIG	×	×	<u>RF-137</u>
B1779	THERMO PROTECTION	×	×	RF-139
B177A	ROOF STATE INCORRECT	×	×	<u>RF-141</u>
B177B	ROOF STATE INCORRECT	×	×	<u>RF-142</u>
B177C	THERMO PROTECTION	×	×	<u>RF-143</u>
B177D	5BOW LATCH OPEN SEN	×	×	<u>RF-144</u>
B177E	5BOW LATCH CLOSE SEN	×	×	<u>RF-146</u>
B177F	5BOW STRIKER SENSOR	×	×	<u>RF-148</u>

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< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

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

REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGERS DO NOT OP-**ERATE**

[ROADSTER]

< SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS Α REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGERS DO NOT **OPERATE** В **Diagnosis Procedure** INFOID:0000000011739120 ${f 1}$.CHECK POWER SUPPLY AND GROUND CIRCUIT Check power supply and ground circuit. Refer to DEF-104, "BCM: Diagnosis Procedure". D Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. Е 2.check rear window defogger switch Check rear window defogger switch. With Navigation: Refer to <u>DEF-105</u>, "WITH NAVIGATION: Component Function Check". F • Without Navigation: Refer to DEF-105, "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-107, "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-45, "Intermittent Incident".

NO >> GO TO 1.

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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:0000000011739121

1. CHECK SOFT TOP CONTROL UNIT CIRCUIT

Check soft top control unit circuit.

Refer to DEF-109, "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-111, "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-45, "Intermittent Incident".

NO >> GO TO 1.

DOOR MIRROR DEFOGGER DOES NOT OPERATE

DOOR MIRROR DEFOGGER DOES NOT OPERATE		
< SYMPTOM DIAGNOSIS >	[ROADSTER]	
DOOR MIRROR DEFOGGER DOES NOT OPERATE		
BOTH SIDES		Α
BOTH SIDES : Diagnosis Procedure	INFOID:0000000011739122	В
1. CHECK DOOR MIRROR DEFOGGER		
Check door mirror defogger. Refer to DEF-114, "Component Function Check".		С
Is the inspection result normal?		
YES >> GO TO 2.		D
NO >> Repair or replace the malfunctioning parts.		D
2.CONFIRM THE OPERATION		
Confirm the operation again.		Е
Is the inspection result normal?		
YES >> Check intermittent incident. Refer to GI-45, "Intermittent Incident". NO >> GO TO 1.		F
DRIVER SIDE		
DRIVER SIDE : Diagnosis Procedure	INFOID:0000000011739123	G
1. CHECK DRIVER SIDE DOOR MIRROR DEFOGGER		
Check driver side door mirror defogger. Refer to DEF-115, "Component Function Check".		Н
Is the inspection result normal?		
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.		
NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION		
		J
Confirm the operation again. <u>Is the inspection result normal?</u>		
YES >> Check intermittent incident. Refer to GI-45, "Intermittent Incident".		K
NO >> GO TO 1.		
PASSENGER SIDE		
PASSENGER SIDE : Diagnosis Procedure	INFOID:0000000011739124	DEF
1. CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.		M
Check passenger side door mirror defogger. Refer to DEF-117 , "Component Function Check".		
Is the inspection result normal?		Ν
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.		
2.CONFIRM THE OPERATION		0
Confirm the operation again.		_
Is the inspection result normal?		
YES >> Check intermittent incident. Refer to GI-45, "Intermittent Incident". NO >> GO TO 1.		Р

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:0000000011739125

1. CHECK AV CONTROL FUNCTION

Check that the AV control unit is operating normally. Refer to AV-250, "Work Flow (Active Noise Control & Active Sound Control)".

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-45, "Intermittent Incident".

NO >> GO TO 1.

REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE [ROADSTER] < SYMPTOM DIAGNOSIS > REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE Α WITH NAVIGATION WITH NAVIGATION: Diagnosis Procedure INFOID:0000000011739126 В 1. CHECK REAR WINDOW DEFOGGER OPERATION Check rear window defogger operation. C Is the inspection result normal? YES >> Check AV control system. Refer to AV-250, "Work Flow (Active Noise Control & Active Sound Control)". D NO >> Check rear window defogger system. Refer to <u>DEF-96, "Work Flow"</u>. WITHOUT NAVIGATION Е WITHOUT NAVIGATION: Diagnosis Procedure INFOID:0000000011739127 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 Н Check rear window defogger ON signal. Refer to DEF-113, "Component Function Check". Is the inspection result normal? >> Replace A/C control (rear window defogger switch). Refer to HAC-84, "BASE AUDIO: Removal YES

and Installation" (Base audio) or HAC-85, "BOSE AUDIO WITHOUT NAVIGATION: Removal and

Installation" (BOSE audio without navigation).

>> Repair or replace the malfunctioning parts.

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< PRECAUTION > [ROADSTER]

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

FOR USA AND CANADA: Precaution for Battery Service

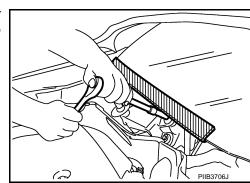
INFOID:0000000011739129

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

FOR USA AND CANADA: Precaution for Procedure without Cowl Top Cover

INFOID:0000000011739130

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



[ROADSTER] < PRECAUTION >

FOR USA AND CANADA: Precautions For Xenon Headlamp Service

INFOID:0000000011739131

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WARNING:

Comply with the following warnings to prevent any serious accident.

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

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

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

FOR USA AND CANADA: Precautions for Removing Battery Terminal

INFOID:0000000011739132

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

NOTE:

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

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

NOTE:

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

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

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

FOR MEXICO

FOR MEXICO: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000011739133

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

Always observe the following items for preventing accidental activation.

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

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

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DEF-193 Revision: 2015 June 2016 370Z < PRECAUTION > [ROADSTER]

WARNING:

Always observe the following items for preventing accidental activation.

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

FOR MEXICO: Precaution for Battery Service

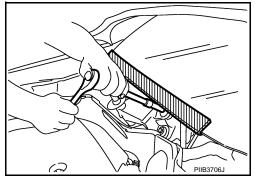
INFOID:0000000011739134

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

FOR MEXICO: Precaution for Procedure without Cowl Top Cover

INFOID:0000000011739135

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



FOR MEXICO: Precautions For Xenon Headlamp Service

INFOID:0000000011739136

WARNING:

Comply with the following warnings to prevent any serious accident.

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

CAUTION:

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

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

PRECAUTIONS

< PRECAUTION > [ROADSTER]

FOR MEXICO: Precautions for Removing Battery Terminal

INFOID:0000000011739137

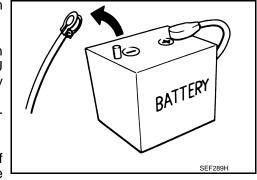
• When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

NOTE:

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

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

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



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

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

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Revision: 2015 June **DEF-195** 2016 370Z

REMOVAL AND INSTALLATION

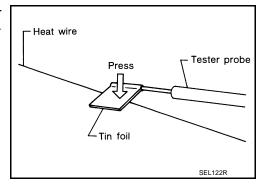
FILAMENT

Inspection and Repair

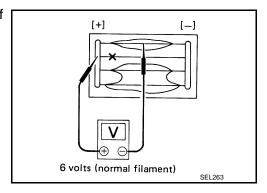
INFOID:0000000011739138

INSPECTION

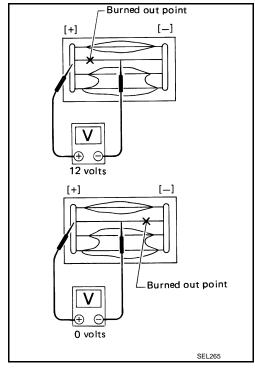
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



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.
- 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)

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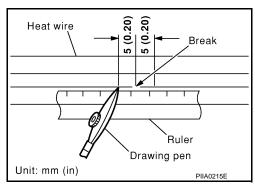
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< REMOVAL AND INSTALLATION >

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

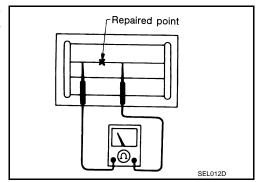
REPAIRING PROCEDURE

- 1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
- Apply a small amount of conductive silver composition to tip of drawing pen.
 - Shake silver composition container before use.
- 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.



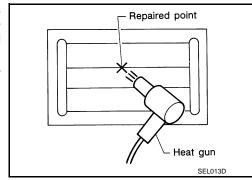
4. After repair has been complete, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.

Do not touch repaired area while test is being conducted.



 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.



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