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CONTENTS

WITH INTELLIGENT KEY SYSTEM
PRECAUTION3
PRECAUTIONS
SYSTEM DESCRIPTION5
COMPONENT PARTS5
BODY CONTROL SYSTEM5 BODY CONTROL SYSTEM : Component Parts Location
POWER CONSUMPTION CONTROL SYSTEM5 POWER CONSUMPTION CONTROL SYSTEM: Component Parts Location
SYSTEM 6
BODY CONTROL SYSTEM6 BODY CONTROL SYSTEM : System Description6 BODY CONTROL SYSTEM : Fail-safe7
COMBINATION SWITCH READING SYSTEM
SIGNAL BUFFER SYSTEM11 SIGNAL BUFFER SYSTEM : System Diagram12 SIGNAL BUFFER SYSTEM : System Description12
POWER CONSUMPTION CONTROL SYSTEM13 POWER CONSUMPTION CONTROL SYSTEM: System Diagram

DIAGNOSIS SYSTEM (BCM)1	15
COMMON ITEM1 COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)1	
DOOR LOCK : CONSULT Function (BCM - DOOR LOCK)	
REAR WINDOW DEFOGGER1 REAR WINDOW DEFOGGER : CONSULT Function (BCM - REAR DEFOGGER)1	-
BUZZER : CONSULT Function (BCM - BUZZER)1	1 8 18
INT LAMP1 INT LAMP : CONSULT Function (BCM - INT LAMP)1	
HEADLAMP	20
WIPER : CONSULT Function - WIPER2	
FLASHER	26
AIR CONDITIONER	28 29
INTELLIGENT KEY2	29

INTELLIGENT KEY: CONSULT Function (BCM -		CONFIGURATION (BCM)	80
INTELLIGENT KEY)	. 29	Description	
COMB SW	32	Work Procedure	
COMB SW: CONSULT Function (BCM - COMB	. 32	Configuration list	81
SW)	. 32	SHIPPING MODE CANCEL OPERATION	82
nou.		Description	
BCMBCM : CONSULT Function (BCM - BCM)		Work Procedure	
· · · · · ·		DTC/CIRCUIT DIAGNOSIS	02
MMU		DIC/CIRCUIT DIAGNOSIS	03
IMMU : CONSULT Function (BCM - IMMU)	. 33	U1000 CAN COMM	83
BATTERY SAVER	. 34	Description	
BATTERY SAVER : CONSULT Function (BCM -		DTC Logic	
BATTERY SAVER)	. 34	Diagnosis Procedure	83
TRUNK	. 35	U1010 CONTROL UNIT (CAN)	84
TRUNK: CONSULT Function (BCM - TRUNK)		DTC Logic	
		Diagnosis Procedure	84
THEFT ALMTHEFT ALM : CONSULT Function (BCM -	. 35	U0415 VEHICLE SPEED	25
THEFT ALM: CONSOLT FUNCTION (BCM - THEFT)	35	Description	
,		DTC Logic	
RETAIND PWR	. 36	Diagnosis Procedure	
RETAIND PWR : CONSULT Function (BCM - RE-			
TAINED PWR)	. 37	B2562 LOW VOLTAGE	
SIGNAL BUFFER	. 37	DTC Logic	
SIGNAL BUFFER : CONSULT Function (BCM -		Diagnosis Procedure	80
SIGNAL BUFFER)	. 37	POWER SUPPLY AND GROUND CIRCUIT	87
AIR PRESSURE MONITOR	27	Diagnosis Procedure	87
AIR PRESSURE MONITOR : CONSULT Function	. 31	COMBINATION SWITCH OUTPUT CIRCUIT.	00
(BCM - AIR PRESSURE MONITOR)	. 37	Diagnosis Procedure	
,		•	
ECU DIAGNOSIS INFORMATION	. 39	COMBINATION SWITCH INPUT CIRCUIT	
ВСМ	39	Diagnosis Procedure	90
Reference Value		SYMPTOM DIAGNOSIS	92
Fail-safe			0_
DTC Inspection Priority Chart		COMBINATION SWITCH SYSTEM SYMP-	
DTC Index	. 62	TOMS	
WIRING DIAGRAM	65	Symptom Table	92
	. 00	NORMAL OPERATING CONDITION	93
BCM	. 65	Description	
Wiring Diagram	. 65	DEMONAL AND INCTALL ATION	
BASIC INSPECTION	79	REMOVAL AND INSTALLATION	94
	. 13	BCM	94
ADDITIONAL SERVICE WHEN REPLACING		Removal and Installation	
CONTROL UNIT		COMPINATION CONTO	_
Description		COMBINATION SWITCH	
Work Procedure	. 79	Exploded ViewRemoval and Installation	
		nemoval and installation	95

PRECAUTION

PRECAUTIONS

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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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 or batteries, and wait at least 3 minutes before performing any service.

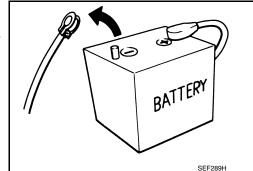
Precautions for Removing Battery Terminal

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

D4D engine : 20 minutes YS23DDT : 4 minutes HRA2DDT YS23DDTT : 12 minutes : 4 minutes ZD30DDTi K9K engine : 4 minutes : 60 seconds M9R engine : 4 minutes ZD30DDTT : 60 seconds

R9M engine : 4 minutes V9X engine : 4 minutes YD25DDTi : 2 minutes



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.

 After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.
 NOTE:

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PRECAUTIONS

< PRECAUTION >

[WITH INTELLIGENT KEY SYSTEM]

- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
- Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
- Driving for 30 minutes or more on a steep slope.
- 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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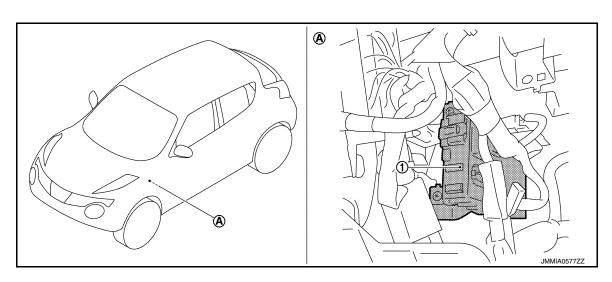
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SYSTEM DESCRIPTION

COMPONENT PARTS
BODY CONTROL SYSTEM

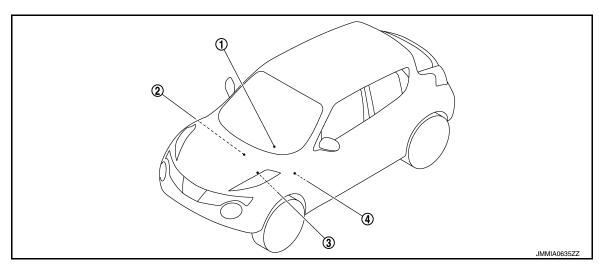
BODY CONTROL SYSTEM: Component Parts Location



- 1. BCM
- A. Behind of instrument lower panel LH (Left side)

POWER CONSUMPTION CONTROL SYSTEM

POWER CONSUMPTION CONTROL SYSTEM : Component Parts Location



- Combination meter
- Multi display unit
 Refer to DMS-4, "Component Parts Location".
- . IPDM E/R Refer to <u>PCS-5, "Component Parts</u> <u>Location"</u>.

BCM
 Refer to <u>BCS-5</u>, "<u>BODY CONTROL</u>
 <u>SYSTEM</u>: Component Parts Location".

Revision: November 2015 BCS-5 2016 JUKE

SYSTEM BODY CONTROL SYSTEM

BODY CONTROL SYSTEM: System Description

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OUTLINE

- BCM (Body Control Module) controls the various electrical components. It inputs the information required to the control from CAN communication and the signal received from each switch and sensor.
- BCM has combination switch reading function for reading the operation status of combination switches (light, turn signal, wiper and washer) in addition to a function for controlling the operation of various electrical components. It also has the signal transmission function as the passed point of signal and the power saving control function that reduces the power consumption with the ignition switch OFF.
- BCM is equipped with the diagnosis function that performs the diagnosis with CONSULT and various settings.

BCM CONTROL FUNCTION LIST

System	Reference
Combination switch reading system	BCS-8, "COMBINATION SWITCH READING SYSTEM: System Diagram"
Signal buffer system	BCS-12, "SIGNAL BUFFER SYSTEM : System Diagram"
Power consumption control system	BCS-13. "POWER CONSUMPTION CONTROL SYSTEM: System Diagram"
Auto light system	EXL-12, "AUTO LIGHT SYSTEM: System Diagram" (Xenon type headlamp) EXL-124, "AUTO LIGHT SYSTEM: System Diagram" (Halogen type headlamp)
Turn signal and hazard warning lamp system	EXL-15, "TURN SIGNAL AND HAZARD WARNING LAMP SYSTEM: System Diagram" (Xenon type headlamp) EXL-127, "TURN SIGNAL AND HAZARD WARNING LAMP SYSTEM: System Diagram" (Halogen type headlamp)
Headlamp system	EXL-11, "HEADLAMP SYSTEM: System Diagram" (Xenon type headlamp) EXL-123, "HEADLAMP SYSTEM: System Diagram" (Halogen type headlamp)
Parking, license plate, side maker and tail lamps system	EXL-16, "PARKING, LICENSE PLATE, SIDE MARKER AND TAIL LAMP SYSTEM: System Diagram" (Xenon type head-lamp) EXL-128, "PARKING, LICENSE PLATE, SIDE MARKER AND TAIL LAMP SYSTEM: System Diagram" (Halogen type head-lamp)
Front fog lamp system	EXL-17, "FRONT FOG LAMP SYSTEM: System Diagram" (Xenon type headlamp) EXL-129, "FRONT FOG LAMP SYSTEM: System Diagram" (Halogen type headlamp)
Exterior lamp battery saver system	EXL-18, "EXTERIOR LAMP BATTERY SAVER SYSTEM: System Diagram" (Xenon type headlamp) EXL-130, "EXTERIOR LAMP BATTERY SAVER SYSTEM: System Diagram" (Halogen type headlamp)
Daytime running light system	EXL-14, "DAYTIME RUNNING LIGHT SYSTEM: System Diagram" (Xenon type headlamp) EXL-126, "DAYTIME RUNNING LIGHT SYSTEM: System Diagram" (Halogen type headlamp)
Interior room lamp control system	INL-6, "INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram"
Interior room lamp battery saver system	INL-8, "INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Diagram"
Illumination control system	INL-9, "ILLUMINATION CONTROL SYSTEM: System Diagram"

SYSTEM

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

System		Reference	
Front wiper and washer system		WW-7, "FRONT WIPER AND WASHER SYSTEM : System Diagram"	
Rear wiper and washer system		WW-10, "REAR WIPER AND WASHER SYSTEM : System Diagram"	
Warning chime system		WCS-7, "WARNING CHIME SYSTEM : System Diagram"	
Power door lock system		DLK-11, "System Diagram"	
Nissan Vehicle Immobilizer System (NVIS) - NATS		SEC-13, "NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS : System Diagram"	
Vahiala aggustu gyatam	Theft warning alarm	CEC 46 W/ELUCI E CECUDITY CYCTEM : Cyctem Diogram!	
Vehicle security system	Panic alarm	SEC-16, "VEHICLE SECURITY SYSTEM : System Diagram"	
Rear window defogger system		DEF-7, "WITH AUTO A/C : System Diagram" (With automatic A/C) DEF-7, "WITHOUT AUTO A/C : System Diagram" (Without automatic A/C)	
Intelligent Key system/engine start system	1	DLK-13, "INTELLIGENT KEY SYSTEM : System Diagram"	
Back door opener system		DLK-24, "System Diagram"	
Air conditioning control customs	Automatic A/C	HAC-12, "System Diagram"	
Air conditioning control system	Manual A/C	HAC-108. "System Diagram"	
Power window system		PWC-9, "POWER WINDOW SYSTEM : System Diagram"	
Retained accessory power (Retain power	operation)	PWC-9, "POWER WINDOW SYSTEM : System Description"	
Tire pressure monitoring system (TPMS)		WT-8, "System Description"	

BODY CONTROL SYSTEM: Fail-safe

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FAIL-SAFE CONTROL BY DTC

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

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Display contents of CONSULT	Fail-safe	Cancellation	_
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC	17
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC	K
B2195: ANTI-SCANNING	Inhibit engine cranking	Ignition switch ON → OFF	-
B2196: DONGLE NG	Inhibit engine cranking	Erase DTC	L
B2198: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC	-
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)	BCS
B260F: ENG STATE SIG LOST	Inhibit engine cranking	When any of the following conditions are fulfilled • Power position changes to ACC • Receives engine status signal (CAN)	N
B26F1: IGN RELAY OFF	Inhibit engine cranking	When the following conditions are fulfilled Ignition switch ON signal (CAN: Transmitted from BCM): ON Ignition switch ON signal (CAN: Transmitted from IPDM E/R): ON	0
B26F2: IGN RELAY ON	Inhibit engine cranking	When the following conditions are fulfilled Ignition switch ON signal (CAN: Transmitted from BCM): OFF Ignition switch ON signal (CAN: Transmitted from IPDM E/R): OFF	Р
B26F3: START CONT RLY ON	Inhibit engine cranking	When the following conditions are fulfilled • Starter control relay signal (CAN: Transmitted from BCM): OFF • Starter control relay signal (CAN: Transmitted from IPDM E/R): OFF	-

Display contents of CONSULT	Fail-safe	Cancellation
B26F4: START CONT RLY OFF	Inhibit engine cranking	When the following conditions are fulfilled Starter control relay signal (CAN: Transmitted from BCM): ON Starter control relay signal (CAN: Transmitted from IPDM E/R): ON
B26F7: BCM	Inhibit engine cranking by Intelligent Key system	When room antenna and luggage room antenna functions normally

REAR WIPER MOTOR PROTECTION

BCM detects the rear wiper stopping position according to the rear wiper stop position signal.

When the rear wiper stop position signal does not change for more than 5 seconds while driving the rear wiper, BCM stops power supply to protect the rear wiper motor.

Condition of cancellation

- More than 1 minute is passed after the rear wiper stop.
- 2. Turn rear wiper switch OFF.
- 3. Operate the rear wiper switch or rear washer switch.

FAIL-SAFE CONTROL OF COMBINATION SWITCH READING FUNCTION CAUSED BY LOW POWER SUPPLY VOLTAGE

If voltage of battery power supply lower, BCM maintains combination switch reading to the status when input voltage is less than approximately 9 V.

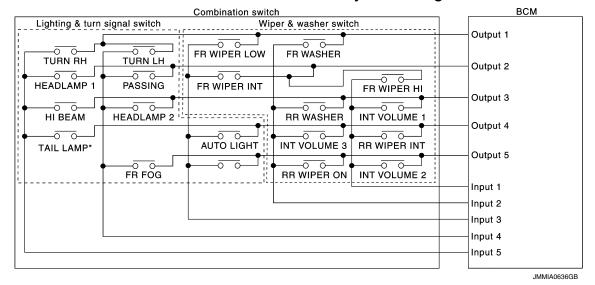
NOTE:

When voltage of battery power supply is approximately 9 V or more, combination switch reading function returns to normal operation.

COMBINATION SWITCH READING SYSTEM

COMBINATION SWITCH READING SYSTEM: System Diagram

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NOTE:

*: TAIL LAMP switch links lighting switch 1ST and 2ND positions.

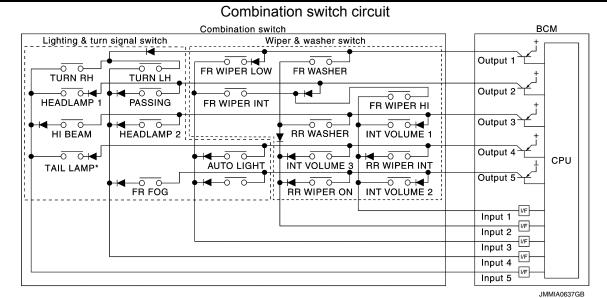
COMBINATION SWITCH READING SYSTEM: System Description

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OUTLINE

- BCM reads the status of the combination switch (light, turn signal, wiper and washer) and recognizes the status of each switch.
- BCM has a combination of 5 output terminals (OUTPUT 1 5) and 5 input terminals (INPUT 1 5). It reads a
 maximum of 20 switch status.

COMBINATION SWITCH MATRIX



NOTE:

*: TAIL LAMP switch links lighting switch 1ST and 2ND positions.

Combination switch INPUT-OUTPUT system list

System	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
OUTPUT 1	_	FR WASHER	FR WIPER LOW	TURN LH	TURN RH
OUTPUT 2	FR WIPER HI	_	FR WIPER INT	PASSING	HEADLAMP 1
OUTPUT 3	INT VOLUME 1	RR WASHER	_	HEADLAMP 2	HI BEAM
OUTPUT 4	RR WIPER INT	INT VOLUME 3	AUTO LIGHT	_	TAIL LAMP
OUTPUT 5	INT VOLUME 2	RR WIPER ON	_	FR FOG	_

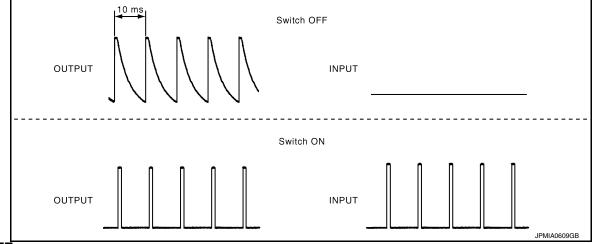
NOTE:

Headlamp has a dual system switch.

COMBINATION SWITCH READING FUNCTION

Description

• BCM reads the status of the combination switch at 10 ms interval normally.



NOTE:

BCM reads the status of the combination switch at 60 ms interval when BCM is controlled at low power consumption control mode.

- BCM operates as follows and judges the status of the combination switch.
- It operates the transistor on OUTPUT side in the following order: OUTPUT 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5, and outputs voltage waveform.

Revision: November 2015 BCS-9 2016 JUKE

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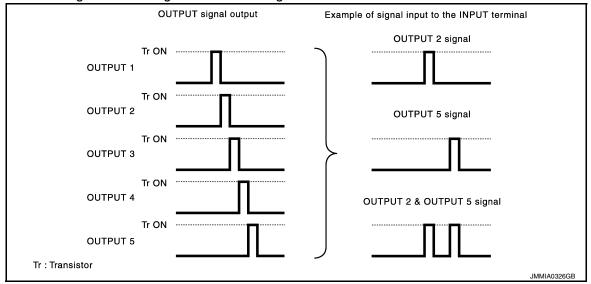
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- The voltage waveform of OUTPUT corresponding to the formed circuit is input into the interface on INPUT side if any (1 or more) switches are ON.
- It reads this change of the voltage as the status signal of the combination switch.

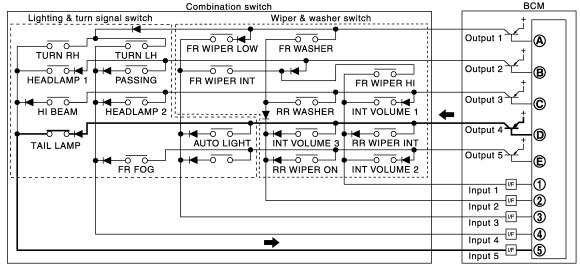


Operation Example

In the following operation example, the combination of the status signals of the combination switch is replaced as follows: INPUT 1 - 5 to "1 - 5" and OUTPUT 1 - 5 to "A - E".

Example 1: When a switch (TAIL LAMP switch) is turned ON

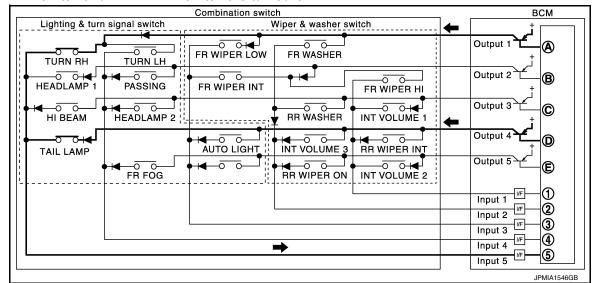
The circuit between OUTPUT 4 and INPUT 5 is formed when the TAIL LAMP switch is turned ON.



- JPMIA1545GB
- BCM detects the combination switch status signal "5D" when the signal of OUTPUT 4 is input to INPUT 5.
- BCM judges that the TAIL LAMP switch is ON when the signal "5D" is detected.

Example 2: When some switches (TURN RH switch, TAIL LAMP switch) are turned ON

• The circuits between OUTPUT 1 and INPUT 5 and between OUTPUT 4 and INPUT 5 are formed when the TURN RH switch and TAIL LAMP switch are turned ON.



- BCM detects the combination switch status signal "5AD" when the signals of OUTPUT 1 and OUTPUT 4 are input to INPUT 5.
- BCM judges that the TURN RH switch and TAIL LAMP switch are ON when the signal "5AD" is detected.

WIPER INTERMITTENT DIAL POSITION

BCM judges the wiper intermittent dial 1 - 7 by the status of INT VOLUME 1, 2 and 3 switches.

Wiper intermittent	Switch status			Switch status		
dial position	INT VOLUME 1	INT VOLUME 2	INT VOLUME 3			
1	ON	ON	ON			
2	ON	ON	OFF			
3	ON	OFF	OFF			
4	OFF	OFF	OFF			
5	OFF	OFF	ON			
6	OFF	ON	ON			
7	OFF	ON	OFF			

NOTE:

For details of wiper intermittent dial position, refer to WW-7, "FRONT WIPER AND WASHER SYSTEM: System Description".

SIGNAL BUFFER SYSTEM

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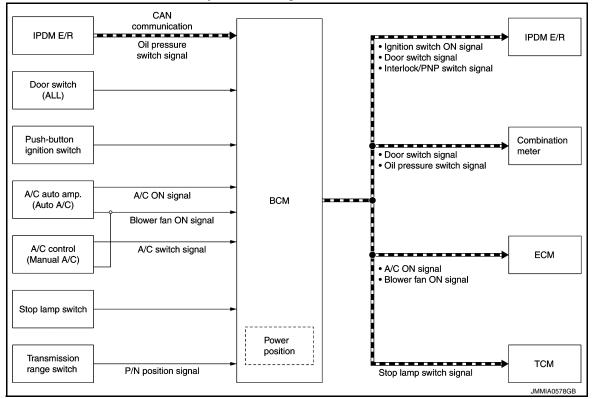
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SIGNAL BUFFER SYSTEM: System Diagram

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NOTE:

If vehicle models is gasoline engine models, oil pressure switch is not applied.

SIGNAL BUFFER SYSTEM: System Description

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OUTLINE

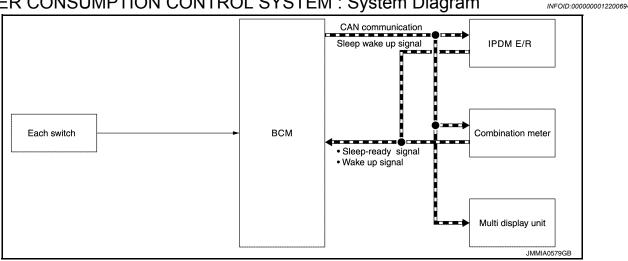
BCM has the signal transmission function that outputs/transmits each input/received signal to each unit. Signal transmission function list

Signal name	Input	Output	Description
Ignition switch ON signal	Push-button ignition switch (Push switch)	IPDM E/R (CAN)	Inputs the push-button ignition switch (push switch) signal and transmits the ignition switch status judged with BCM via CAN communication.
Door switch signal	Any door switch	Combination meter (CAN) IPDM E/R (CAN)	Inputs the door switch signal and transmits it via CAN communication.
Blower fan ON signal	A/C auto amp. (Auto A/C) A/C control (Manual A/C)	ECM (CAN)	Input blower fan switch signal, and transmit the blower fan ON signal via CAN communication.
A/C ON signal	A/C auto amp. (Auto A/C) A/C control (Manual A/C)	ECM (CAN)	Input A/C ON signal (automatic A/C) or A/C switch signal (manual A/C), and transmit the A/C ON signal via CAN communication.

Signal name	Input	Output	Description
Stop lamp switch signal	Stop lamp switch	TCM (CAN)	Inputs the stop lamp switch 1 signal and stop lamp switch 2 signal, and transmits it via CAN communication.
Interlock/PNP switch signal	Transmission range switch	IPDM E/R (CAN)	Inputs the P/N position signal, and transmits the interlock/PNP switch signal via CAN communication.

POWER CONSUMPTION CONTROL SYSTEM

POWER CONSUMPTION CONTROL SYSTEM: System Diagram



POWER CONSUMPTION CONTROL SYSTEM: System Description

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OUTLINE

- BCM incorporates a power saving control function that reduces the power consumption according to the vehicle status.
- BCM switches the status (control mode) by itself with the power saving control function. It performs the sleep request to each unit (IPDM E/R, combination meter and multi display unit) that operates with the ignition switch OFF.

Normal mode (wake-up)

- CAN communication is normally performed with other units
- Each control with BCM is operating properly

CAN communication sleep mode (CAN sleep)

- CAN transmission is stopped
- Control with BCM only is operating

Low power consumption mode (BCM sleep)

- Low power consumption control is active
- CAN transmission is stopped

LOW POWER CONSUMPTION CONTROL WITH BCM

BCM reduces the power consumption with the following operation in the low power consumption mode.

The reading interval of the each switches changes from 10 ms interval to 60 ms interval.

Sleep mode activation

- BCM receives the sleep-ready signal (ready) from IPDM E/R and combination meter via CAN communica-
- BCM transmits the sleep wake up signal (sleep) to each unit when all of the CAN sleep conditions are ful-
- Each unit stops the transmission of CAN communication with the sleep wake up signal. BCM is in CAN communication sleep mode.

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BCS-13 Revision: November 2015 2016 JUKE

• BCM is in the low power consumption mode and perform the low power consumption control when all of the BCM sleep conditions are fulfilled with CAN sleep condition.

Sleep	cond	lition
-------	------	--------

CAN sleep condition	BCM sleep condition	
Receiving the sleep-ready signal (ready) from all units 1 minute after turning ignition switch OFF Theft warning alarm and panic alarm: Not operation Warning chime: Not operation Intelligent Key system buzzer: Not operation Stop lamp switch: OFF Turn signal indicator lamp: Not operation Exterior lamp: OFF Door lock status: No change CONSULT communication status: Not communication Meter display signal: Non-transmission Door switch status: No change	 Interior room lamp battery saver: Time out* RAP system: No communication Nissan Vehicle Immobilizer System (NVIS) - NATS: Not operation Remote keyless entry receiver communication status: No communication Tire pressure monitoring system (TPMS): Stop ACC/ON indicator lamp: Not operation 	

NOTE:

*: Refer to INL-8, "INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description" for details of the interior room lamp battery saver time.

Wake-up operation

- BCM transmits sleep wake up signal (wake up) to each unit when any condition listed below is established, and then goes into normal mode from low power consumption mode.
- Each unit starts transmissions with CAN communication by receiving sleep wake up signals. Each unit transmit wake up signals to BCM with CAN communication to convey the start of CAN communication.

BCM wake-up condition	CAN wake-up condition
Back door opener switch: OFF → ON	 Receiving the sleep-ready signal (Not-ready) from any units Push-button ignition switch (push switch): OFF → ON Hazard switch: ON HI BEAM switch: OFF → ON, ON → OFF PASSING switch: OFF → ON, ON → OFF HEADLAMP 1 switch: OFF → ON, ON → OFF HEADLAMP 2 switch: OFF → ON, ON → OFF TAIL LAMP switch: OFF → ON, ON → OFF TURN RH: OFF → ON, ON → OFF TURN LH: OFF → ON, ON → OFF Driver door switch: OFF → ON, ON → OFF Passenger door switch: OFF → ON, ON → OFF Rear RH door switch: OFF → ON, ON → OFF Rear LH door switch: OFF → ON, ON → OFF Back door switch: OFF → ON, ON → OFF Driver door request switch: OFF → ON Passenger door request switch: OFF → ON Stop lamp switch: ON Door lock and unlock switch: NEUTRAL → LOCK, NEUTRAL – UNLOCK Front door lock assembly (driver side) (door key cylinder switch NEUTRAL → LOCK, NEUTRAL → UNLOCK Remote keyless entry receiver communication: Receiving Front door lock assembly (driver side) (unlock sensor): OFF – ON, ON → OFF

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

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.

x: Applicable item

System	Sub avatam adjection 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 conditioning system	AIR CONDITONER		×	×*
Intelligent Key systemEngine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS - NATS	IMMU	×	×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door open	TRUNK		×	
Theft warning alarm	THEFT ALM	×	×	×
RAP	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
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.

Revision: November 2015 BCS-15 2016 JUKE

^{*:} For models with automatic A/C, this diagnosis mode is not used.

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the mo	ment 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 position is "LOCK"*.)	
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power position is "OFF".)	
	LOCK>ACC		While turning power position from "LOCK"* *to "ACC"	
	ACC>ON		While turning power position from "ACC" to "IGN"	
	RUN>ACC		While turning power position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)	
	CRANK>RUN		While turning power position from "CRANKING" to "RUN" (From cranking up the engine to run it)	
	RUN>URGENT		While turning power position from "RUN" to "ACC" (Emergency stop operation)	
	ACC>OFF	Power position status of	While turning power position from "ACC" to "OFF"	
Vehicle Condition	OFF>LOCK	the moment a particular	While turning power position from "OFF" to "LOCK"*	
	OFF>ACC	DTC is detected	While turning power position from "OFF" to "ACC"	
	ON>CRANK		While turning power position from "IGN" to "CRANKING"	
	OFF>SLEEP		While turning BCM status from normal mode (Power position is "OFF".) to low power consumption mode	
	LOCK>SLEEP		While turning BCM status from normal mode (Power position is "LOCK"*.) to low power consumption mode	
	LOCK		Power position is "LOCK"*	
	OFF		Power position is "OFF" (Ignition switch OFF)	
	ACC		Power position is "ACC" (Ignition switch ACC)	
	ON		Power position is "IGN" (Ignition switch ON with engine stopped)	
	ENGINE RUN		Power position is "RUN" (Ignition switch ON with engine running)	
	CRANKING		Power position is "CRANKING" (At engine cranking)	
IGN Counter	0 - 39	The number is 0 whenThe number increases whenever ignition swit	In tignition switch is turned ON after DTC is detected a malfunction is detected now. If the sum of the sum o	

NOTE:

- *: Power 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 CVT 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 position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

DOOR LOCK

DOOR LOCK: CONSULT Function (BCM - DOOR LOCK)

INFOID:0000000012965014

BCM CONSULT FUNCTION

CONSULT performs the following functions via CAN communication with BCM.

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Monitor item	Description
DOOR LOCK-UNLOCK SET	Anti-hijack function mode can be changed to operation with this mode On: Operate Off: Non-operation
AUTOMATIC DOOR LOCK SE- LECT	Automatic door lock function mode can be selected from the following in this mode • VH SPD: All doors are locked when vehicle speed more than 24km/h (15MPH) • P RANGE*: All doors are locked when shifting the selector lever from P position to other than the P position
AUTOMATIC DOOR UNLOCK SELECT	 Automatic door unlock function mode can be selected from the following in the mode MODE 1: All doors are unlocked when the power supply position is changed from ON to OFF MODE 2*: All doors are unlocked when shifting the selector lever from any position other than the P to P position MODE 3: Driver side door is unlocked when the power supply position is changed from ON to OFF MODE 4*: Driver side door is unlocked when shifting the selector lever from any position other than the P to P position MODE 5: This item is displayed, but cannot be monitored MODE 6: This item is displayed, but cannot be monitored
AUTOMATIC LOCK/UNLOCK SET	Automatic door lock/unlock function mode can be selected from the following in this mode Off: Non-operational Unlock Only: Door unlock operation only Lock Only: Door lock operation only Lock/Unlock: Lock and unlock operation

^{*:} P range interlock door lock can be selected for M/T models, but automatic door lock/unlock function does not operate.

DATA MONITOR

NOTE:

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

Monitor Item	Contents
REQ SW-DR	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-BD/TR	Indicated [On/Off] condition of back door request switch
DOOR SW-DR	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR	Indicated [On/Off] condition of rear door switch RH
DOOR SW-RL	Indicated [On/Off] condition of rear door switch LH
DOOR SW-BK	Indicated [On/Off] condition of back door switch
CDL LOCK SW	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW	Indicated [On/Off] condition of unlock signal from door lock unlock switch
KEY CYL LK-SW	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW	Indicated [On/Off] condition of unlock signal from door key cylinder

ACTIVE TEST

Test item	Description
DOOR LOCK	This test is able to check door lock/unlock operation The all door lock actuators are locked when "ALL LOCK" on CONSULT screen is touched The all door lock actuators are unlocked when "ALL UNLK" on CONSULT screen is touched The door lock actuator (driver side) is unlocked when "DR UNLK" on CONSULT screen is touched The door lock actuator (passenger side) is unlocked when "AS UNLK" on CONSULT screen is touched The door lock actuator (other) is unlocked when "OTR ULK" on CONSULT screen is touched

REAR WINDOW DEFOGGER

Revision: November 2015 BCS-17 2016 JUKE

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

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

INFOID:0000000012965044

DATA MONITOR

NOTE:

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

Monitor Item	Description	
REAR DEF SW	Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch.	
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.

BUZZER

BUZZER: CONSULT Function (BCM - BUZZER)

INFOID:0000000012965034

CONSULT APPLICATION ITEMS

Test item Diagnosis mode Description		Description
BUZZER	Data Monitor	Displays BCM input data in real time.
DOZZER	Active Test	Operation of electrical loads can be checked by sending driving signal to them.

DATA MONITOR

NOTE:

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

Display item [Unit]	Description
PUSH SW [On/Off]	Status of push-button ignition switch judged by BCM.
UNLK SEN-DR [On/Off]	Status of unlock sensor judged by BCM.
VEH SPEED 1 [km/h]	Value of vehicle speed signal received from combination meter with CAN communication line.
TAIL LAMP SW [On/Off]	Status of lighting switch judged by BCM using the combination switch readout function.
FR FOG SW [On/Off]	Status of front fog lamp switch judged by BCM using the combination switch readout function.
DOOR SW-DR [On/Off]	Status of driver side door switch judged by BCM.
CDL LOCK SW [On/Off]	Status of door lock unlock switch judged by BCM.

ACTIVE TEST

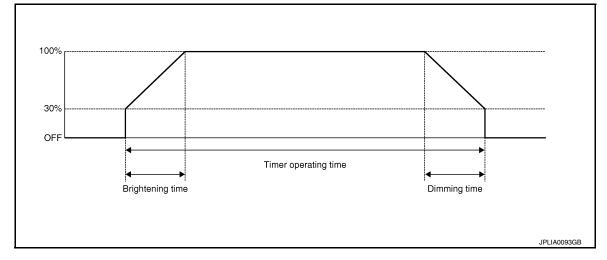
Display item [Unit]	Description
SEAT BELT WARN TEST	The seat belt warning chime operation can be checked by operating the relevant function (On/Off).
KEY REMINDER WARN	The key warning chime operation can be checked by operating the relevant function (On/Off).
LIGHT WARN ALM	The light warning chime operation can be checked by operating the relevant function (On/Off).

INT LAMP

INT LAMP: CONSULT Function (BCM - INT LAMP)

INFOID:0000000012965031

WORK SUPPORT



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

^{*:} Factory setting

DATA MONITOR

NOTE:

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

Revision: November 2015 BCS-19 2016 JUKE

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Monitor item [Unit]	Description
REQ SW-DR [On/Off]	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS [On/Off]	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-RR [On/Off]	NOTE: This item is displayed, but cannot be monitored
REQ SW-RL [On/Off]	NOTE: This item is displayed, but cannot be monitored
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
UNLK SEN -DR [On/Off]	Indicates [On/Off] condition of driver door UNLOCK status
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
DOOR SW- BK [On/Off]	Indicated [On/Off] condition of back door switch
CDL LOCK SW [On/Off]	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW [On/Off]	Indicated [On/Off] condition of unlock signal from door lock unlock switch
TRNK/HAT MNTR [On/Off]	NOTE: This item is displayed, but cannot be monitored
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key

ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal.
INT LAWIP	Off	Stops the interior room lamp control signal.
STEP LAMP TEST	On	NOTE:
	Off	This item is indicated, but can not tested

HEADLAMP

HEADLAMP: CONSULT Function (BCM - HEAD LAMP) (XENON TYPE) INFOID.000000012965020

WORK SUPPORT

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

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Service item	Setting item		Setting		
	MODE1*2	Normal			
CUSTOM A/LIGHT SETTING*1	MODE2	More sensitive setting	More sensitive setting than normal setting (Turns ON earlier than normal operation)		
COSTOW A/LIGHT SETTING	MODE3	More sensitive setting than MODE2 (Turns ON earlier than MODE2)			
	MODE4	Less sensitive setting than normal setting (Turns ON later than normal operation)			
BATTERY SAVER SET	On* ²	With the exterior lam	With the exterior lamp battery saver function		
DATTERT SAVEROLT	Off	Without the exterior la	amp battery saver function		
	MODE1*2	45 sec.			
	MODE2	Without the function			
	MODE3	30 sec.			
ILL DELAY SET*1	MODE4	60 sec.	Sets delay timer function timer operation time.		
ILL DELAT SET	MODE5	90 sec.	(All doors closed)		
	MODE6	120 sec.			
	MODE7	150 sec.			
	MODE8	180 sec.			
HEAD LIGHT TIMER	MODE1	10 sec.	Cata fallow me hame function activating time		
HEAD LIGHT TIMER	MODE2*2	30 sec.	Sets follow me home function activating time		
	MODE1*2	With twilight ON custom & with wiper INT, LO and HI			
AUTO LIGHT LOGIC SET*1	MODE2	With twilight ON custom & with wiper LO and HI			
	MODE3	With twilight ON custom & without			
	MODE4	Without twilight ON custom & with wiper INT, LO and HI			
	MODE5	Without twilight ON custom & with wiper LO and HI			
	MODE6	Without twilight ON custom & without			

^{*1:} For models without auto light system, this item cannot be used.

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
ENGINE STATE [STOP/STALL/CRANK/RUN]	Indicates [STOP/STALL/CRANK/RUN] condition of engine states
VEH SPEED 1 [km/h]	Display the vehicle speed signal received from combination meter by numerical value [km/h]

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^{*2:} Factory setting

Monitor item [Unit]	Description
TURN SIGNAL R [On/Off]	
TURN SIGNAL L [On/Off]	
TAIL LAMP SW [On/Off]	
HI BEAM SW [On/Off]	
HEAD LAMP SW 1 [On/Off]	Each switch status that BCM judges from the combination switch reading function
HEAD LAMP SW 2 [On/Off]	
PASSING SW [On/Off]	
AUTO LIGHT SW* ¹ [On/Off]	
FR FOG SW* ² [On/Off]	
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW-RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
DOOR SW-BK [On/Off]	Indicated [On/Off] condition of back door switch
OPTI SEN (DTCT) [V]	The value of outside brightness voltage input from the optical sensor
OPTI SEN (FILT) [V]	The value of outside brightness voltage filtered by BCM
OPTICAL SENSOR [On/Off/NG]	NOTE: This item cannot be monitored

^{*1:} For models without auto light system, this item cannot be monitored.

ACTIVE TEST

Test item	Operation	Description
TAIL LAMP	On	Transmits the position light request signal to IPDM E/R via CAN communication to turn the parking, license plate and tail lamps ON Transmits the position light request signal to combination meter via CAN communication to turn the position lamp indicator lamp ON
	Off	Stops the position light request signal transmission
HEAD LAMP	н	Transmits the high beam request signal to IPDM E/R via CAN communication to turn the headlamp (HI) ON Transmits the high beam request signal to combination meter via CAN communication to turn the high beam indicator lamp ON
	Low	Transmits the low beam request signal to IPDM E/R via CAN communication to turn the headlamp (LO) ON
	Off	Stops the high beam request signal and low beam request signal transmission

^{*2:} For models without front fog lamp, this item cannot be monitored.

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

Test item	Operation	Description		
FR FOG LAMP* ¹	On	 Transmits the front fog light request signal to IPDM E/R via CAN communication to turn the front fog lamp ON (With front fog lamp) Transmits the daytime running light request signal to IPDM E/R via CAN communication to turn the daytime running light ON (NISMO models with daytime running light system) 		
	Off	Stops the front fog light request signal transmission (With front fog lamp) Stops the front fog light request signal transmission (NISMO models with daytime running light system)		
DAYTIME RUNNING LIGHT*2	On	Transmits the daytime running light request signal to IPDM E/R via CAN communication to turn the headlamp (HI) ON [Headlamp (HI) at approximately half illumination]		
	Off	Stops the daytime running light request signal transmission		
ILL DIM SIGNAL	On	NOTE:		
	Off	This item cannot be tested		

^{*1:} For models without front fog lamp and except for NISMO models with daytime running light system, this item cannot be tested.

HEADLAMP: CONSULT Function (BCM - HEAD LAMP) (HALOGEN TYPE)

INFOID:0000000012965021

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WORK SUPPORT

Service item	Setting item		Setting		
	MODE1*2	Normal			
CUSTOM A/LIGHT SETTING*1	MODE2	More sensitive setting	g than normal setting (Turns ON earlier than normal operation)		
COSTOM A/LIGHT SETTING	MODE3	More sensitive setting	More sensitive setting than MODE2 (Turns ON earlier than MODE2)		
	MODE4	Less sensitive setting	Less sensitive setting than normal setting (Turns ON later than normal operation)		
BATTERY SAVER SET	On* ²	With the exterior lam	With the exterior lamp battery saver function		
BATTERT SAVER SET	Off	Without the exterior la	amp battery saver function		
	MODE1*2	45 sec.			
	MODE2	Without the function			
	MODE3	30 sec.			
ILL DELAY SET*1	MODE4	60 sec.	Sets delay timer function timer operation time.		
ILL DELAT SET	MODE5	90 sec.	(All doors closed)		
	MODE6	120 sec.			
	MODE7	150 sec.			
	MODE8	180 sec.			
HEAD LIGHT TIMER	MODE1	10 sec.	Cata fallow me home function activating time		
HEAD LIGHT TIMER	MODE2*2	30 sec.	Sets follow me home function activating time		
	MODE1*2	With twilight ON custom & with wiper INT, LO and HI			
AUTO LIGHT LOGIC SET*1	MODE2	With twilight ON custom & with wiper LO and HI			
	MODE3	With twilight ON custom & without			
	MODE4	Without twilight ON custom & with wiper INT, LO and HI			
	MODE5	Without twilight ON custom & with wiper LO and HI			
	MODE6	Without twilight ON custom & without			

^{*1:} For models without auto light system, this item cannot be used.

Revision: November 2015 BCS-23 2016 JUKE

^{*2:} For models without daytime running light system and NISMO models with daytime running light system, this item cannot be tested.

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description			
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch			
ENGINE STATE [STOP/STALL/CRANK/RUN]	Indicates [STOP/STALL/CRANK/RUN] condition of engine states			
VEH SPEED 1 [km/h]	Display the vehicle speed signal received from combination meter by numerical value [km/h]			
TURN SIGNAL R [On/Off]				
TURN SIGNAL L [On/Off]				
TAIL LAMP SW [On/Off]				
HI BEAM SW [On/Off]				
HEAD LAMP SW 1 [On/Off]	Each switch status that BCM judges from the combination switch reading function			
HEAD LAMP SW 2 [On/Off]				
PASSING SW [On/Off]				
AUTO LIGHT SW* ¹ [On/Off]				
FR FOG SW* ² [On/Off]				
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)			
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)			
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH			
DOOR SW-RL [On/Off]	Indicated [On/Off] condition of rear door switch LH			
DOOR SW-BK [On/Off]	Indicated [On/Off] condition of back door switch			
OPTI SEN (DTCT) [V]	The value of outside brightness voltage input from the optical sensor			
OPTI SEN (FILT) [V]	The value of outside brightness voltage filtered by BCM			
OPTICAL SENSOR [On/Off/NG]	NOTE: This item cannot be monitored			

^{*1:} For models without auto light system, this item cannot be monitored.

ACTIVE TEST

Revision: November 2015 BCS-24 2016 JUKE

^{*2:} Factory setting

^{*2:} For models without front fog lamp, this item cannot be monitored.

Test item	Operation	Description
TAIL LAMP	On	Transmits the position light request signal to IPDM E/R via CAN communication to turn the parking, license plate and tail lamps ON Transmits the position light request signal to combination meter via CAN communication to turn the position lamp indicator lamp ON
	Off	Stops the position light request signal transmission
HEAD LAMP	н	Transmits the high beam request signal to IPDM E/R via CAN communication to turn the headlamp (HI) ON Transmits the high beam request signal to combination meter via CAN communication to turn the high beam indicator lamp ON
	Low	Transmits the low beam request signal to IPDM E/R via CAN communication to turn the headlamp (LO) ON
	Off	Stops the high beam request signal and low beam request signal transmission
FR FOG LAMP* ¹	On	 Transmits the front fog light request signal to IPDM E/R via CAN communication to turn the front fog lamp ON (With front fog lamp) Transmits the daytime running light request signal to IPDM E/R via CAN communication to turn the daytime running light ON (NISMO models with daytime running light system)
	Off	Stops the front fog light request signal transmission (With front fog lamp) Stops the front fog light request signal transmission (NISMO models with daytime running light system)
DAYTIME RUNNING LIGHT*2	On	Transmits the daytime running light request signal to IPDM E/R via CAN communication to turn the headlamp (HI) ON [Headlamp (HI) at approximately half illumination]
	Off	Stops the daytime running light request signal transmission
ILL DIM SIGNAL	On	NOTE:
ILL DIW SIGNAL	Off	This item cannot be tested

^{*1:} For models without front fog lamp and except for NISMO models with daytime running light system, this item cannot be tested.

WIPER

WIPER: CONSULT Function - WIPER

WORK SUPPORT

Service item	Setting item	Description
WIPERSPEED SETTING	On	With vehicle speed (Front wiper intermittent time linked with the vehicle speed and wiper intermittent dial position)
JETTING.	Off*	Without vehicle speed (Front wiper intermittent time linked with the wiper intermittent dial position)

^{*:} Factory setting

DATA MONITOR

NOTE:

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

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^{*2:} For models without daytime running light system and NISMO models with daytime running light system, this item cannot be tested.

Monitor Item [Unit]	Description	
PUSH SW [Off/On]	The switch status input from push-button ignition switch	
VEH SPEED 1 [km/h]	Displays the value of the vehicle speed signal received from combination meter via CAN communication	
FR WIPER HI [Off/On]		
FR WIPER LOW [Off/On]	Ctative of each quitability and by DCM using the combination quitab reading function	
FR WASHER SW [Off/On]	Status of each switch judged by BCM using the combination switch reading function	
FR WIPER INT [Off/On]		
FR WIPER STOP [Off/On]	Displays the status of the front wiper stop position signal received from IPDM E/R via CAN communication.	
INT VOLUME [1 – 7]	Status of each switch judged by BCM using the combination switch reading function	
RR WIPER ON [Off/On]		
RR WIPER INT [Off/On]	Status of each switch judged by BCM using the combination switch reading function	
RR WASHER SW [Off/On]		
RR WIPER STOP [Off/On]	Rear wiper motor (stop position) status input from the rear wiper motor	
RAIN SENSOR [Off/LOW/HIGH/SPLASH/NG]	NOTE: This item is displayed, but cannot be monitored.	

ACTIVE TEST

Test item	Operation	Description
	Hi	Transmits the front wiper request signal (HI) to IPDM E/R via CAN communication to operate the front wiper HI operation.
FR WIPER	Lo	Transmits the front wiper request signal (LO) to IPDM E/R via CAN communication to operate the front wiper LO operation.
	INT	Transmits the front wiper request signal (INT) to IPDM E/R via CAN communication to operate the front wiper INT operation.
	Off	Stops transmitting the front wiper request signal to stop the front wiper operation.
RR WIPFR	On	Output the voltage to operate the rear wiper motor.
IXIX VVII LIX	Off	Stops the voltage to stop the rear wiper motor.

FLASHER

FLASHER: CONSULT Function (BCM - FLASHER) (XENON TYPE)

INFOID:000000012965029

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Service item	Setting item		Setting
	Lock Only	With locking only	
HAZARD ANSWER BACK	Unlock Only	With unlocking only	Sets the hazard warning lamp answer back function whe the door is lock/unlock with the door request switch and I telligent Key
	Lock/ Unlock*	With locking/unlocking	
	Off	Without the function	

^{*:} Factory setting

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
REQ SW -DR [On/Off]	Indicates [On/Off] condition of door request switch (driver side)
REQ SW -AS [On/Off]	Indicates [On/Off] condition of door request switch (passenger side)
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
TURN SIGNAL R [On/Off]	Each quitch status that DCM detects from the combination quitch reading function
TURN SIGNAL L [On/Off]	Each switch status that BCM detects from the combination switch reading function
HAZARD SW [On/Off]	The switch status input from the hazard switch
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key
RKE-PANIC* [On/Off]	Indicates [On/Off] condition of PANIC button of Intelligent Key

^{*:} For models without panic alarm function, this item cannot be used.

ACTIVE TEST

Test item	Operation	Description
	RH	Outputs voltage to turn the right side turn signal lamps ON Transmits the turn indicator signal to combination meter via CAN communication to turn the turn signal indicator lamp (RH) ON
FLASHER	LH	Outputs voltage to turn the left side turn signal lamps ON Transmits the turn indicator signal to combination meter via CAN communication to turn the turn signal indicator lamp (LH) ON
	Off	Stops the voltage to turn the turn signal lamps OFF Stops the turn indicator signal transmission

FLASHER: CONSULT Function (BCM - FLASHER) (HALOGEN TYPE)

INFOID:0000000012965030

WORK SUPPORT

Revision: November 2015 BCS-27 2016 JUKE

< SYSTEM DESCRIPTION >

Service item	Setting item		Setting
	Lock Only	With locking only	Sets the hazard warning lamp answer back function when the door is lock/unlock with the door request switch and In
HAZARD ANSWER BACK	Unlock Only	With unlocking only	
	Lock/ Unlock*	With locking/unlocking	telligent Key
	Off	Without the function	

^{*:} Factory setting

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
REQ SW -DR [On/Off]	Indicates [On/Off] condition of door request switch (driver side)
REQ SW -AS [On/Off]	Indicates [On/Off] condition of door request switch (passenger side)
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
TURN SIGNAL R [On/Off]	Each switch status that BCM detects from the combination switch reading function
TURN SIGNAL L [On/Off]	Lacif switch status that belief detects from the combination switch reading function
HAZARD SW [On/Off]	The switch status input from the hazard switch
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key
RKE-PANIC* [On/Off]	Indicates [On/Off] condition of PANIC button of Intelligent Key

^{*:} For models without panic alarm function, this item cannot be used.

ACTIVE TEST

Test item	Operation	Description
	RH	Outputs voltage to turn the right side turn signal lamps ON Transmits the turn indicator signal to combination meter via CAN communication to turn the turn signal indicator lamp (RH) ON
FLASHER	LH	Outputs voltage to turn the left side turn signal lamps ON Transmits the turn indicator signal to combination meter via CAN communication to turn the turn signal indicator lamp (LH) ON
	Off	Stops the voltage to turn the turn signal lamps OFF Stops the turn indicator signal transmission

AIR CONDITIONER

AIR CONDITIONER : CONSULT Function (BCM - AIR CONDITIONER) (Automatic A/C)

DATA MONITOR

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

Display Item List

NOTE:

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

Monitor Item [Unit]		Contents
FAN ON SIG	[On/Off]	Displays the blower fan status as jugged from the A/C auto amp.
AIR COND SW	[On/Off]	Displays [COMP (On)/COMP (Off)] status as judged from the A/C auto amp.

AIR CONDITIONER: CONSULT Function (BCM - AIR CONDITIONER) (Manual A/C)

INFOID:000000001296503

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DATA MONITOR

NOTE:

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

Display item list

Monitor Item [Unit]		Contents
FAN ON SIG	[On/Off]	Displays blower motor status as judged from blower fan ON signal.
AIR COND SW	[On/Off]	Displays A/C switch status as judged from A/C switch signal.
THERMO AMP	[On/Off]	Displays thermo control amp. status as judged from thermo control amp. signal.
IGN SW	[On/Off]	Displays ignition switch position status as judged form ignition switch signal.
FR DEF SW	[On/Off]	Displays the D/F or DEF status as judged from defroster position signal.

ACTIVE TEST

Test item	Operation	Description
A/C INDICATOR	On	A/C indicator is turned ON.
	Off	A/C indicator is turned OFF.

INTELLIGENT KEY

INTELLIGENT KEY: CONSULT Function (BCM - INTELLIGENT KEY)

INFOID:0000000012965015

WORK SUPPORT

Monitor item	Description
INSIDE ANT DIAGNOSIS	This function allows inside key antenna self-diagnosis
LOCK/UNLOCK BY I-KEY	Door lock/unlock function by door request switch mode can be changed to operation in this mode On: Operate Off: Non-operation
ENGINE START BY I-KEY	Engine start function mode can be changed to operation with this mode On: Operate Off: Non-operation
TRUNK/GLASS HATCH OPEN	NOTE: This item is displayed, but cannot be monitored
HORN WITH KEYLESS LOCK	Horn reminder function mode by Intelligent Key button can be changed to operate (ON) or not operate (OFF) with this mode On: Operate Off: Non-operation
PANIC ALARM SET	Panic alarm button pressing time on Intelligent Key remote control button can be selected from the following with this mode • MODE 1: 0.5 sec • MODE 2: Non-operation • MODE 3: 1.5 sec

Revision: November 2015 BCS-29 2016 JUKE

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[WITH INTELLIGENT KEY SYSTEM]

Monitor item	Description
TRUNK OPEN DELAY	NOTE: This item is displayed, but cannot be monitored
LO- BATT OF KEY FOB WARN	Intelligent Key low battery warning mode can be changed to operation with this mode On: Operate Off: Non-operation
ANTI KEY LOCK IN FUNCTI	Key reminder function mode can be changed to operation with this mode On: Operate Off: Non-operation
HAZARD ANSWER BACK	Hazard reminder function mode by door request switch and Intelligent Key button can be selected from the following with this mode Lock Only: Door lock operation only Unlock Only: Door unlock operation only Lock/Unlock: Lock and unlock operation Off: Non-operation
ANS BACK I-KEY LOCK	Buzzer reminder function (lock operation) mode by door request switch can be selected from the following with this mode Horn Chirp: Sound horn Buzzer: Sound Intelligent Key warning buzzer Off: Non-operation
ANS BACK I-KEY UNLOCK	Buzzer reminder function (unlock operation) mode by door request switch can be changed to operation with this mode On: Operate Off: Non-operation
SHORT CRANKING OUTPUT	Starter motor can operate during the times below
CONFIRM KEY FOB ID	It can be checked whether Intelligent Key ID code is registered or not in this mode
AUTO LOCK SET	Auto door lock operation time can be changed in this mode • MODE 1: OFF • MODE 2: 30 sec • MODE 3: 1 minute • MODE 4: 2 minutes • MODE 5: 3 minutes • MODE 6: 4 minutes • MODE 7: 5 minutes

SELF-DIAG RESULT

Refer to BCS-62, "DTC Index".

DATA MONITOR

NOTE:

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

Monitor Item	Condition
REQ SW -DR	Indicates [On/Off] condition of door request switch (driver side)
REQ SW -AS	Indicates [On/Off] condition of door request switch (passenger side)
REQ SW -BD/TR	Indicates [On/Off] condition of back door request switch
PUSH SW	Indicates [On/Off] condition of push-button ignition switch
CLUTCH SW*1	Indicates [On/Off] condition of clutch interlock switch
BRAKE SW 1	Indicates [On/Off]*2 condition of stop lamp switch power supply
BRAKE SW 2	Indicates [On/Off] condition of stop lamp switch
DETE/CANCL SW	Indicates [On/Off] condition of P position
SFT PN/N SW	Indicates [On/Off] condition of P or N position

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

Monitor Item	Condition
UNLK SEN -DR	Indicates [On/Off] condition of driver door UNLOCK status
PUSH SW -IPDM	Indicates [On/Off] condition of push-button ignition switch
IGN RLY1 -F/B	Indicates [On/Off] condition of ignition relay 1
DETE SW -IPDM	Indicates [On/Off] condition of P position
SFT PN -IPDM	Indicates [On/Off] condition of P or N position
SFT P -MET	Indicates [On/Off] condition of P position
SFT N -MET	Indicates [On/Off] condition of N position
ENGINE STATE	Indicates [Stop/Stall/Crank/Run] condition of engine states
S/L LOCK-IPDM	NOTE: This item is displayed, but cannot be monitored
S/L UNLK-IPDM	NOTE: This item is displayed, but cannot be monitored
S/L RELAY-REQ	NOTE: This item is displayed, but cannot be monitored
VEH SPEED 1	Display the vehicle speed signal received from combination meter by numerical value [Km/h]
VEH SPEED 2	Display the vehicle speed signal received from ABS or VDC or TCM by numerical value [Km/h]
DOOR STAT-DR	Indicates [LOCK/READY/UNLK] condition of driver side door status
DOOR STAT-AS	Indicates [LOCK/READY/UNLK] condition of passenger side door status
ID OK FLAG	Indicates [Set/Reset] condition of key ID
PRMT ENG STRT	Indicates [Set/Reset] condition of engine start possibility
PRMT RKE STRT	NOTE: This item is displayed, but cannot be monitored
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored
RKE-LOCK	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored
RKE-PANIC	Indicates [On/Off] condition of PANIC button of Intelligent Key
RKE-MODE CHG	Indicates [On/Off] condition of MODE CHANGE signal from Intelligent Key
RKE OPE COUN1	When remote keyless entry receiver receives the signal transmitted while operating on Intelligent Key, the numerical value start changing
RKE OPE COUN2	NOTE: This item is displayed, but cannot be monitored

^{*1:} It is displayed but does not operate on CVT models.

ACTIVE TEST

Test item	Description
OUTSIDE BUZZER	This test is able to check Intelligent Key warning buzzer operation On: Operate Off: Non-operation
INSIDE BUZZER	This test is able to check warning chime in combination meter operation Take Out: Take away warning chime sounds when CONSULT screen is touched Key: Key warning chime sounds when CONSULT screen is touched Knob: OFF position warning chime sounds when CONSULT screen is touched Off: Non-operation

Revision: November 2015 BCS-31 2016 JUKE

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^{*2:} OFF is displayed when brake pedal is depressed while brake switch power supply is OFF.

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

Test item	Description
INDICATOR	This test is able to check warning lamp operation KEY ON: "KEY" Warning lamp illuminates when CONSULT screen is touched KEY IND: "KEY" Warning lamp blinks when CONSULT screen is touched Off: Non-operation
INT LAMP	This test is able to check interior room lamp operation On: Operate Off: Non-operation
LCD	This test is able to check meter display information BP N: Engine start operation indicator lamp indicate when CONSULT screen is touched BP I: Engine start operation indicator lamp indicate when CONSULT screen is touched ID NG: This item is displayed, but cannot be monitored ROTAT: This item is displayed, but cannot be monitored SFT P: Shift P warning lamp indicate when CONSULT screen is touched INSRT: This item is displayed, but cannot be monitored BATT: Key warning lamp indicator when CONSULT screen is touched NO KY: Key warning lamp indicator when CONSULT screen is touched OUTKEY: Engine start operation indicator lamp indicate when CONSULT screen is touched LK WN: Engine start operation indicator lamp indicate when CONSULT screen is touched
FLASHER	This test is able to check security hazard lamp operation The hazard lamps are activated after "LH/RH/Off" on CONSULT screen is touched
HORN	This test is able to check horn operation The horn is activated after "ON" on CONSULT screen is touched
P RANGE	This test is able to check CVT shift selector power supply On: Operate Off: Non-operation
ENGINE SW ILLUMI	This test is able to check push-ignition switch illumination operation Push-ignition switch illumination illuminates when "ON" on CONSULT screen is touched
PUSH SWITCH INDICATOR	This test is able to check LOCK indicator in push-ignition switch operation LOCK indicator in push-ignition switch illuminates when "ON" on CONSULT screen is touched
BATTERY SAVER	This test is able to check interior room lamp operation. The interior room lamp will be activated after "ON" on CONSULT screen is touched.
TRUNK/BACK DOOR	This test is able to check back door opener actuator open operation. This actuator opens when "Open" on CONSULT screen is touched.

COMB SW

COMB SW: CONSULT Function (BCM - COMB SW)

INFOID:0000000012200709

DATA MONITOR

NOTE:

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

Monitor item [UNIT]	Description
FR WIPER HI [Off/On]	Displays the status of the FR WIPER HI switch in combination switch judged by BCM with the combination switch reading function.
FR WIPER LOW [Off/On]	Displays the status of the FR WIPER LOW switch in combination switch judged by BCM with the combination switch reading function.
FR WASHER SW [Off/On]	Displays the status of the FR WASHER switch in combination switch judged by BCM with the combination switch reading function.
FR WIPER INT [Off/On]	Displays the status of the FR WIPER INT switch in combination switch judged by BCM with the combination switch reading function.
INT VOLUME [1 - 7]	Displays the status of wiper volume dial position judged by BCM with the combination switch reading function.
TURN SIGNAL R [Off/On]	Displays the status of the TURN RH switch in combination switch judged by BCM with the combination switch reading function.

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

Monitor item [UNIT]	Description
TURN SIGNAL L [Off/On]	Displays the status of the TURN LH switch in combination switch judged by BCM with the combination switch reading function.
TAIL LAMP SW [Off/On]	Displays the status of the TAIL LAMP switch in combination switch judged by BCM with the combination switch reading function.
HI BEAM SW [Off/On]	Displays the status of the HI BEAM switch in combination switch judged by BCM with the combination switch reading function.
HEAD LAMP SW 1 [Off/On]	Displays the status of the HEADLAMP 1 switch in combination switch judged by BCM with the combination switch reading function.
HEAD LAMP SW 2 [Off/On]	Displays the status of the HEADLAMP 2 switch in combination switch judged by BCM with the combination switch reading function.
PASSING SW [Off/On]	Displays the status of the PASSING switch in combination switch judged by BCM with the combination switch reading function.
AUTO LIGHT SW [Off/On]	Displays the status of the AUTO LIGHT switch in combination switch judged by BCM with the combination switch reading function.
FR FOG SW [Off/On]	Displays the status of the FR FOG switch in combination switch judged by BCM with the combination switch reading function.

BCM

BCM: CONSULT Function (BCM - BCM)

INFOID:0000000012200710

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WORK SUPPORT

Item	Description
RESET SETTING VALUE	Return a value set with Work Support of each system to a default value in factory shipment.

IMMU

IMMU: CONSULT Function (BCM - IMMU)

INFOID:0000000012965	018

WORK SUPPORT

Service item	Description
CONFIRM DONGLE ID	It is possible to check that dongle unit is applied to the vehicle.

DATA MONITOR

NOTE:

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

Monitor item	Content
CONFRM ID ALL	
CONFIRM ID4	Indicates [YET] at all time.
CONFIRM ID3	Switches to [DONE] when a registered Intelligent Key backside is contacted to push-button ignition switch.
CONFIRM ID2	
CONFIRM ID1	
NOT REGISTERED	Indicates [ID OK] when key ID that is registered is received or is not yet received. Indicates [ID NG] when key ID that is not registered is received.
TP 4	Indicates the number of IDs that are registered.
TP 3	
TP 2	
TP 1	
PUSH SW	Indicates [ON/OFF] condition of push-button ignition switch.

Revision: November 2015 BCS-33 2016 JUKE

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ACTIVE TEST

Test item	Description
THEFT IND	This test is able to check security indicator lamp operation. Security indicator lamp is turned on when "ON" on CONSULT screen is touched.

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000012965032

WORK SUPPORT

Service item	Setting item		Setting
	MODE 1	30 min.	Sets the interior room lamp battery saver timer operating
	MODE 2	60 min.	time. NOTE:
ROOM LAMP TIMER SET	MODE 3	15 min.	The factor setting is 10 minutes. The setting cannot be returned to the factory setting, when the setting is changed once.
BATTERY SAVER SET	On [*]	With the exterior lamp battery saver function	
BATTERY ONVERTOET	Off	Without the exterior lamp battery saver function	
	MODE 1	Without	
	MODE 2	30 min.	
IGN BATTERY SAVER SET	MODE 3*	10 min.	Sets the ignition battery saver timer operating time.
	MODE 4	5 min.	
	MODE 5	60 min.	
	MODE 1	Without	
	MODE 2*	30 min.	
ACC BATTERY SAVER SET	MODE 3	10 min.	Sets the accessory battery saver timer operating time.
	MODE 4	5 min.	
	MODE 5	60 min.	

^{*:} Factory setting

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS [On/Off]	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-RR [On/Off]	NOTE: This item is displayed, but cannot be monitored
REQ SW-RL [On/Off]	NOTE: This item is displayed, but cannot be monitored
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
UNLK SEN -DR [On/Off]	Indicates [On/Off] condition of driver door UNLOCK status
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

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Monitor item [Unit]	Description
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
DOOR SW- BK [On/Off]	Indicated [On/Off] condition of back door switch
CDL LOCK SW [On/Off]	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW [On/Off]	Indicated [On/Off] condition of unlock signal from door lock unlock switch
TRNK/HAT MNTR [On/Off]	NOTE: This item is displayed, but cannot be monitored
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key

ACTIVE TEST

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply.
	On	Outputs the interior room lamp power supply.

TRUNK

TRUNK: CONSULT Function (BCM - TRUNK)

INFOID:0000000012965016

DATA MONITOR

NOTE:

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

to this vehicle, refer to contool traisplay items.		BCS
Monitor Item	Contents	
PUSH SW	Indicates [On/Off] condition of push switch	N
UNLK SEN -DR	Indicates [On/Off] condition of unlock sensor	- IN
VEH SPEED 1	Indicates [Km/h] condition of vehicle speed signal from combination meter	
TR/BD OPEN SW	Indicates [ON/OFF] condition of back door opener switch.	0
TRNK/HAT MNTR	NOTE: This item is displayed, but cannot be monitored	
RKE-TR/BD	NOTE: This item is displayed, but cannot be monitored	Р

THEFT ALM

THEFT ALM: CONSULT Function (BCM - THEFT)

INFOID:0000000012965017

WORK SUPPORT

BCS-35 Revision: November 2015 2016 JUKE

< SYSTEM DESCRIPTION >

Service Item	Description
SECURITY ALARM SET	This mode is able to confirm and change security alarm ON-OFF setting.
THEFT ALM TRG	The switch which triggered vehicle security alarm is recorded. This mode is able to confirm and erase the record of vehicle security alarm. The trigger data can be erased by touching "CLEAR" on CONSULT screen.

DATA MONITOR

NOTE:

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

Monitored Item	Description
REQ SW -DR	Indicates [ON/OFF] condition of door request switch (driver side).
REQ SW -AS	Indicates [ON/OFF] condition of door request switch (passenger side).
REQ SW -RR	NOTE: This is displayed even when it is not equipped.
REQ SW -RL	NOTE: This is displayed even when it is not equipped.
REQ SW -BD/TR	Indicates [ON/OFF] condition of back door request switch.
PUSH SW	Indicates [ON/OFF] condition of push-button ignition switch
UNLK SEN -DR	Indicates [ON/OFF] condition of driver door UNLOCK status.
DOOR SW-DR	Indicates [ON/OFF] condition of front door switch (driver side).
DOOR SW-AS	Indicates [ON/OFF] condition of front door switch (passenger side).
DOOR SW-RR	Indicates [ON/OFF] condition of rear door switch RH.
DOOR SW-RL	Indicates [ON/OFF] condition of rear door switch LH.
DOOR SW-BK	Indicates [ON/OFF] condition of back door switch.
CDL LOCK SW	Indicates [ON/OFF] condition of lock signal from door lock/unlock switch.
CDL UNLOCK SW	Indicates [ON/OFF] condition of unlock signal from door lock/unlock switch.
KEY CYL LK-SW	Indicates [ON/OFF] condition of lock signal from door key cylinder.
KEY CYL UN-SW	Indicates [ON/OFF] condition of unlock signal from door key cylinder.
TR/BD OPEN SW	Indicates [ON/OFF] condition of back door opener switch.
TRNK/HAT MNTR	NOTE: This is displayed even when it is not equipped.
RKE-LOCK	Indicates [ON/OFF] condition of LOCK signal from Intelligent Key.
RKE-UNLOCK	Indicates [ON/OFF] condition of UNLOCK signal from Intelligent Key.
RKE-TR/BD	NOTE: This is displayed even when it is not equipped.

ACTIVE TEST

Test Item	Description
THEFT IND	This test is able to check security indicator lamp operation. Security indicator lamp is turned on when "ON" on CONSULT screen is touched.
VEHICLE SECURITY HORN	This test is able to check horns operation. Horns are activated for 0.5 seconds after "ON" on CONSULT screen is touched.
HEADLAMP(HI)	This test is able to check headlamp operation. Headlamps are activated for 0.5 seconds after "ON" on CONSULT screen is touched.
FLASHER	This test is able to check hazard warning lamp operation. Hazard warning lamps are activated after "ON" on CONSULT screen is touched.

RETAIND PWR

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

[WITH INTELLIGENT KEY SYSTEM]

RETAIND PWR: CONSULT Function (BCM - RETAINED PWR)

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DATA MONITOR

NOTE:

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

Monitor Item	Description
DOOR SW-DR	Indicates [ON/OFF] condition of driver side door switch.
DOOR SW-AS	Indicates [ON/OFF] condition of passenger side door switch.

SIGNAL BUFFER

SIGNAL BUFFER: CONSULT Function (BCM - SIGNAL BUFFER)

INFOID:0000000012200716

DATA MONITOR

NOTE:

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

Monitor item [UNIT]	Description
PUSH SW [Off/On]	Displays the status of the push-button ignition switch (push switch) judged by BCM.

ACTIVE TEST

Test item	Opera- tion	Description
OIL PRESSURE SW	Off	NOTE:
	On	This item is indicated, but not tested.

AIR PRESSURE MONITOR

AIR PRESSURE MONITOR: CONSULT Function (BCM - AIR PRESSURE MONITOR)

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Work Support	Components can be quickly and accurately adjusted.

SELF DIAGNOSTIC RESULT

Refer to BCS-62, "DTC Index".

DATA MONITOR MODE

NOTE:

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

Revision: November 2015 BCS-37 2016 JUKE

DIAGNOSIS SYSTEM (BCM)

[WITH INTELLIGENT KEY SYSTEM]

Monitor item (Unit)	Remarks	
AIR PRESS FL (kPa, kg/cm2 or Psi)		
AIR PRESS FR (kPa, kg/cm2 or Psi)	Tire proceure	
AIR PRESS RR (kPa, kg/cm2 or Psi)	Tire pressure	
AIR PRESS RL (kPa, kg/cm2 or Psi)		
ID REGST FL1 (Yet, Done)		
ID REGST FR1 (Yet, Done)	Registration ID	
ID REGST RR1 (Yet, Done)		
ID REGST RL1 (Yet, Done)		
WARNING LAMP (On/Off)	Low tire pressure warning lamp	
BUZZER (On/Off)	NOTE: This item is displayed, but cannot be use this item.	

ACTIVE TEST MODE

NOTE:

After completing the work below, perform an active test.

- 1. Check ID registration state and perform self-diagnosis.
- 2. Erase the self-diagnosis result history.

Item	Description
WARNING LAMP	Low tire pressure warning lamp can be turned ON arbitrarily.
ID REGIST WARNING	NOTE: Displayed but not used in TPMS.
RUN FLAT TIRE W/L	NOTE: Displayed but not used in TPMS.
RUN FLAT/T WARN BUZZER	NOTE: Displayed but not used in TPMS.
FLASHER	Turn signal lamps can be turned ON arbitrarily.
HORN	This test is able to check to check that the horn sounds.

WORK SUPPORT

Item	Description
ID READ	Registered tire pressure sensor ID can be displayed.
ID REGIST	Tire pressure sensor ID can be registered.

ECU DIAGNOSIS INFORMATION

BCM

Reference Value

INFOID:0000000012200718 В

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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	n Condition Value/Statu	
FR WIPER HI	Other than front wiper switch HI	Off
-K WIFEK III	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
ED WIDED 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
-K WIFEK STOF	Front wiper is in STOP position	On
NT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
RR WIPER ON	Other than rear wiper switch ON	Off
NIN WIFER ON	Rear wiper switch ON	On
RR WIPER INT	Other than rear wiper switch INT	Off
NIV VAILELY IIV I	Rear wiper switch INT	On
RR WASHER SW	Rear washer switch OFF	Off
	Rear washer switch ON	On
RR WIPER STOP	Rear wiper is in STOP position	Off
	Rear wiper is not in STOP position	On
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
TOKN SIGNAL L	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
IAIL LAWIF OW	Lighting switch 1ST or 2ND	On
HI REAM SW	Other than lighting switch HI	Off
HI BEAM SW	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
ILAD LAWIF SVV Z	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
AGGING GVV	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
TOTO LIGITI SW	Lighting switch AUTO	On

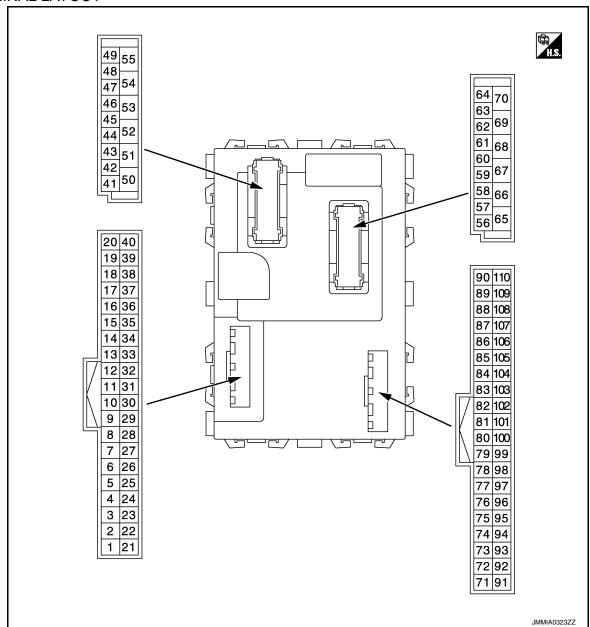
Monitor Item	Condition	Value/Status
TD FOC CW	Front fog lamp switch OFF	Off
FR FOG SW	Front fog lamp switch ON	On
DOOR SW-DR	Driver door closed	Off
DOOK SW-DK	Driver door opened	On
DOOD CW AC	Passenger door closed	Off
DOOR SW-AS	Passenger door opened	On
DOOD OW DD	Rear RH door closed	Off
DOOR SW-RR	Rear RH door opened	On
DOOR SW-RL	Rear LH door closed	Off
DOOR SW-RL	Rear LH door opened	On
	Back door closed	Off
DOOR SW-BK	Back door opened	On
CDL LOCK CW	Other than power door lock switch LOCK	Off
CDL LOCK SW	Power door lock switch LOCK	On
	Other than power door lock switch UNLOCK	Off
CDL UNLOCK SW	Power door lock switch UNLOCK	On
KEN ON LIK OM	Other than driver door key cylinder LOCK position	Off
KEY CYL LK-SW	Driver door key cylinder LOCK position	On
(E) (O) (I III O) (I	Other than driver door key cylinder UNLOCK position	Off
KEY CYL UN-SW	Driver door key cylinder UNLOCK position	On
	Hazard switch is OFF	Off
HAZARD SW	Hazard switch is ON	On
	Rear window defogger switch OFF	Off
REAR DEF SW	Rear window defogger switch ON	On
TR/BD OPEN SW	Back door opener switch OFF	Off
	While the back door opener switch is turned ON	On
TRNK/HAT MNTR	NOTE:	Off
	The item is indicated, but not monitored.	
FAN ON SIG	Blower fan OFF	Off
	Blower fan ON	On
AIR COND SW	Air conditioner OFF (A/C switch indicator OFF)	Off
	Air conditioner ON (A/C switch indicator ON)	On
RKE-LOCK	LOCK button of the key is not pressed	Off
	LOCK button of the key is pressed	On
RKE-UNLOCK	UNLOCK button of the key is not pressed	Off
	UNLOCK button of the key is pressed	On
RKE-TR/BD	NOTE: The item is indicated, but not monitored.	Off
RKE-PANIC	PANIC button of the key is not pressed	Off
	PANIC button of the key is pressed	On
RKE-MODE CHG	LOCK/UNLOCK button of the key is not pressed and held simultaneously	Off
TALL MODE ONG	LOCK/UNLOCK button of the key is pressed and held simultaneously	On
OPTI SEN (DTCT)	Bright outside of the vehicle	Close to 5 V
OPTI SEN (DTCT)	Dark outside of the vehicle	Close to 0 V

Monitor Item		Condition	Value/Status	
OPTI SEN (FILT)	Bright outside of the vehicle (Lighting switch AUTO)		Close to 5 V	
JETT SEN (FIET)	Dark outside of the vehicle (I	Lighting switch AUTO)	Close to 1.50 V	
OPTICAL SENSOR	NOTE: The item is indicated, but no	Off		
RAIN SENSOR	NOTE: The item is indicated, but not monitored.		Off	
REQ SW -DR	Driver door request switch is	not pressed	Off	
	Driver door request switch is	pressed	On	
REQ SW -AS	Passenger door request swit	tch is not pressed	Off	
	Passenger door request swit	tch is pressed	On	
REQ SW -RR	NOTE: The item is indicated, but no	t monitored.	Off	
REQ SW -RL	NOTE: The item is indicated, but no	t monitored.	Off	
REQ SW -BD/TR	Back door request switch is	not pressed	Off	
	Back door request switch is	pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	
	Push-button ignition switch (push switch) is pressed	On	
CLUCH SW	The clutch pedal is not depre	essed.	Off	
DECOTT OVV	The clutch pedal is depresse	ed	On	
RDAKE SW 1	The brake pedal is not depressed		Off	
BRAKE SW 1	The brake pedal is depressed		On	
	The brake pedal is depressed when No. 38 fuse is blown		Off	
RAKE SW 2	The brake pedal is not depressed when No. 38 fuse is blown, or No. 38 fuse is normal		On	
DETE/CANCL SW	Solostor lover in D position	Release selector button	Off	
OTE: or M/T models this item is not	Selector lever in P position Push selector button		On	
sed.	Selector lever in any position other than P			
ET DNALOW	 Selector lever in any position other than P and N (CVT models) Control lever in any position other than neutral (M/T models) 		Off	
SFT PN/N SW	Selector lever in P or N position (CVT models) Control lever in neutral position (M/T models)		On	
S/L -LOCK	NOTE: The item is indicated, but no	t monitored.	Off	
S/L -UNLOCK	NOTE: The item is indicated, but no	t monitored.	Off	
S/L RELAY-F/B	NOTE: The item is indicated, but no	t monitored.	Off	
INI K CEN DD	Driver door is locked		Off	
INLK SEN -DR	Driver door is unlocked		On	
LICH CW IDDM	Push-button ignition switch (push-switch) is not pressed		Off	
USH SW -IPDM	Push-button ignition switch (push-switch) is pressed		On	
ON DIVA E/D	Ignition switch in OFF or ACC position		Off	
GN RLY1 -F/B	Ignition switch in ON position		On	
DETE SW -IPDM	Selector lever in any position	n other than P	0#	
NOTE: For M/T models this item is not	Selector lever in P position Push selector button Release selector button		Off	
used.			On	

Monitor Item	Condition	Value/Status
SFT PN -IPDM	Selector lever in any position other than P and N	Off
NOTE: For M/T models this item is not used.	Selector lever in P or N position	On
SFT P -MET	Selector lever in any position other than P	Off
NOTE: For M/T models this item is not used.	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
NOTE: For M/T models this item is not used.	Selector lever in N position	On
	Engine stopped	Stop
ENOINE CTATE	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 speed- ometer reading
VEH SPEED 2	While driving	Equivalent to speed- ometer 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
	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
RKE OPE COUN1	During the operation of the key	Operation frequency of the key
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	_
CONFRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet
CONTINUED 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

Monitor Item	Condition	Value/Status	Λ
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet	Α
CONFIRMIDS	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done	В
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet	
CONTINUID2	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done	С
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet	D
CONFIRMIDI	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done	-
NOT REGISTERED	BCM detects registered key ID, or BCM does not detect key ID.	ID OK	Е
NOT REGISTERED	BCM detects non-registration key ID.	ID NG	=
TP 4	The ID of fourth key is not registered to BCM	Yet	
174	The ID of fourth key is registered to BCM	Done	
TP 3	The ID of third key is not registered to BCM	Yet	-
1173	The ID of third key is registered to BCM	Done	G
P 2	The ID of second key is not registered to BCM	Yet	-
	The ID of second key is registered to BCM	Done	Н
TP 1	The ID of first key is not registered to BCM	Yet	- 11
iri	The ID of first 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	J
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	K
ID REGST FL1	ID of front LH tire transmitter is registered	Done	=
ID NEGGT LT	ID of front LH tire transmitter is not registered	Yet	L
ID REGST FR1	ID of front RH tire transmitter is registered	Done	=
ID REGGI FRI	ID of front RH tire transmitter is not registered	Yet	DC
ID REGST RR1	ID of rear RH tire transmitter is registered	Done	ВС
ID NEGGT KIKT	ID of rear RH tire transmitter is not registered	Yet	
ID REGST RL1	ID of rear LH tire transmitter is registered	Done	Ν
ID NEGOT NET	ID of rear LH tire transmitter is not registered	Yet	-
WARNING LAMP	Tire pressure indicator OFF	Off	-
VVAINING LAWIF	Tire pressure indicator ON	On	0
D1177ED	Tire pressure warning alarm is not sounding	Off	-
BUZZER	Tire pressure warning alarm is sounding	On	D

TERMINAL LAYOUT



PHYSICAL VALUES

	inal No. e color)	Description				Value	Α
+	-	Signal name	Input/ Output		Condition	(Approx.)	
					All switches OFF	0 V	В
					Turn signal switch RH		
					Lighting switch HI	(V) 15 10	С
2	Ground	Combination switch	Input	Combination switch	Lighting switch 1ST	5 0 → +10ms PKIB4958J 1.0 V	D
(L)		INPUT 5	P 2 2	(Wiper intermit- tent dial 4)		<u> </u>	Е
					Lighting switch 2ND	(V) 15 10 5 0	F
						2.0 V	G
					All switches OFF	0 V	Н
					Turn signal switch LH	(V)	11
3	Ground	Combination switch	Input	Combination switch	Lighting switch PASS Lighting switch 2ND	(V) 15 10 5 0 PKIB4958J 1.0 V	J
(GR)		INPUT 4		(Wiper intermittent dial 4)	Front fog lamp switch ON	(V) 15 10	K
					All 11 055	0.8 V	BCS
					All switches OFF	0 V	
					Front wiper switch LO	(V)	Ν
4 (BR)	Ground	Combination switch INPUT 3	Input	Combination switch (Wiper intermit- tent dial 4)	Front wiper switch MIST Front wiper switch INT	(V) 15 10 0	0
				,	Lighting switch AUTO	PKIB4958J	
						1.0 V	Р

	nal No.	Description			_	Value
+ (VVire	e color)	Signal name	Input/ Output		Condition	(Approx.)
					All switches OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4) Rear washer switch ON (Wiper intermittent dial 4) Any of the condition below	(V) 15 10 5 0
5 (G)	Ground	Combination switch INPUT 2	Input	Combination switch	with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6	PKIB4958J
					Rear wiper switch ON (Wiper intermittent dial 4)	(V) 15 10 10 10 10 10 10 10 10 10 10 10 10 10
					All switches OFF (Wiper intermittent dial 4)	0.8 V 0 V
					Front wiper switch HI (Wiper intermittent dial 4)	(V) 15
					Rear wiper switch INT (Wiper intermittent dial 4)	10 5 0
					Wiper intermittent dial 3 (All switches OFF)	++10ms PKIB4958J
6 (W)	Ground	Combination switch INPUT 1	Input	Combination switch	Any of the condition below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2	(V) 15 10 10 10 10 10 10 10 10 10 10 10 10 10
					Any of the condition below with all switches OFF • Wiper intermittent dial 6 • Wiper intermittent dial 7	(V) 15 10 5 0 ++10ms PKIB4956J 0.8 V

	inal No. e color)	Description			O a sellitira a	Value	А
+	- COIOF)	Signal name	Input/ Output		Condition	(Approx.)	/\
7 (L)	Ground	Door key cylinder switch UNLOCK	Input	Door key cylinder switch	NEUTRAL position	(V) 15 10 5 0 → 10ms PKIB4960J 7.0 - 8.0 V	B C D
					UNLOCK position	0 V	- -
8 (R)	Ground	Door key cylinder switch LOCK	Input	Door key cylin- der switch	NEUTRAL position	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V	E F
					LOCK position	0 V	-
9		0		Stop lamp	OFF (Brake pedal is not depressed)	0 V	Н
(R)	Ground	Stop lamp switch 1	Input	switch	ON (Brake pedal is depressed)	Battery voltage	
10 ^{*1} (W)	_	_	_		_	_	.
12 (GR)	Ground	Door lock and unlock switch LOCK	Input	Door lock and unlock switch	NEUTRAL position	(V) 15 10 5 0 10 ms JPMIA0012GB 1.0 - 1.5 V	J K L
					LOCK position	0 V	
13 (BR)	Ground	Door lock and unlock switch UNLOCK	Input	Door lock and unlock switch	NEUTRAL position	(V) 15 10 5 0 10 ms JPMIA0012GB 1.0 - 1.5 V	N O
					UNLOCK position	0 V	-
14				Ignition switch	When bright outside of the vehicle	Close to 5 V	Р
(SB)	Ground	Optical sensor	Input	ON	When dark outside of the vehicle	Close to 0 V	-

	nal No.	Description				Value
+ (Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
15 (W)	Ground	Rear window defog- ger switch	Input	Rear window defogger switch	Not pressed	(V) 15 10 5 0 10 ms 10 ms JPMIA0012GB
					Pressed	0 V
17 (Y)	Ground	Sensor power sup- ply	Output	Ignition switch	OFF, ACC	0 V 5 V
18 (V)	Ground	Receiver ground	Input	Ignition switch O	N	0 V
21 (P)	Ground	NATS antenna amp.	Input/ Output	Intelligent Key: Intelligent Key battery is re- moved	Brake pedal: Depressed NOTE: Waveform varies each time when brake pedal is depressed	(V) 15 10 5 0 + 40ms JMKIA6232JP
					Brake pedal: Not de- pressed	12 V
23 (R)	Ground	Security indicator lamp	Output	Security indicator lamp	ON Blinking (Ignition switch OFF)	0 V (V) 15 10 5 0
					OFF	Battery voltage
24 ^{*2} (SB)	Ground	Dongle link	Input/ Output	Ignition switch O	FF	5 V
25 (LG)	Ground	NATS antenna amp.	Input/ Output	During waiting	Brake pedal: Depressed NOTE: Waveform varies each time when brake pedal is depressed Brake pedal: Not de-	(V) 15 10 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
					pressed	12 V
26* ³	Ground	Thermo control amp.	Input	Ignition switch O		0 V
(BR)				Evaporator is ext	remely low temperature	12 V

	inal No. e color)	Description			0 1"	Value
+	– COIOF)	Signal name	Input/ Output		Condition	(Approx.)
		A/C ON (Automatic A/C)		A/C	OFF (A/C switch indicator: OFF)	(V) 15 10 5 0 10 ms 10 ms 1.0 - 1.5 V
27 (Y)	Ground		Input		ON (A/C switch indicator: ON)	0 V
(1)		A/C switch (Manual A/C)		A/C switch	OFF	(V) 15 10 5 0 10 ms JPMIA0012GB
					ON	1.0 - 1.5 V 0 V
					Blower fan switch OFF	0 V
28	Ground	Blower fan switch (Automatic A/C)	- Input	Fan switch	Blower fan switch ON	(V) 15 10 5 0 **10ms PKIB4960J 7.0 - 8.0 V
(LG)	Glound	Blower fan switch (Manual A/C)	- IIIput	Fan switch	Blower fan switch OFF Blower fan switch ON	(V) 15 10 5 0 1.5 - 2.0 V 0 V
29	Cround	Hozord owitch	Innut	Hazard switch	OFF	12 V
(SB)	Ground	Hazard switch	Input	i iazai u Swillifi	ON	0 V
30 (L)	Ground	Back door opener switch	Input	Back door opener switch	Pressed Not pressed	0 V (V) 15 10 10 ms JPMIA0012GB 1.0 - 1.5 V

	nal No.	Description				Value						
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)						
31 (GR)	Ground	Front door lock assembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V						
					UNLOCK status (Unlock sensor switch ON)	0 V						
20		Occupio estica e suitab			All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 ++10ms PKIB4960J 7.0 - 8.0 V						
32 (LG)	Ground	Combination switch OUTPUT 5	Output	Combination switch	Front fog lamp switch ON (Wiper intermittent dial 4)	40						
					Rear wiper switch ON (Wiper intermittent dial 4)	(V) 15 10						
											Any of the condition below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7	0 → 10ms PKIB4956J 1.0 V
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V						
33 (Y)	Ground	Combination switch OUTPUT 4	Output	Combination switch	Lighting switch 1ST (Wiper intermittent dial 4)							
					Lighting switch AUTO (Wiper intermittent dial 4)	(V) 15 10 5						
					Rear wiper switch INT (Wiper intermittent dial 4)	0						
					Any of the condition below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6	PKIB4958J 1.2 V						

	inal No. e color)	Description				Value						
+	e color)	Signal name	Input/ Output		Condition	(Approx.)						
					All switches OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 ++10ms PKIB4960J 7.0 - 8.0 V						
34 (V)	Ground	Combination switch OUTPUT 3	Output	Combination switch	Lighting switch 2ND (Wiper intermittent dial 4)							
()					Lighting switch HI (Wiper intermittent dial 4)	(V) 15 10						
					Rear washer switch ON (Wiper intermittent dial 4)	5 0						
					Any of the condition below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3	PKIB4958J 1.2 V						
				Combination	All switches OFF	(V) 15 10 5 0 + 10ms PKIB4960J						
35 (R)	Ground	Combination switch OUTPUT 2	Output	switch (Wiper intermit-	Lighting switch 2ND	7.0 - 8.0 V						
				tent dial 4)	Lighting switch PASS Front wiper switch INT	(V) 15 10 5						
											Front wiper switch HI	0
					All switches OFF	(V) 15 10 5 0						
36	Ground	Combination switch	Output	Combination switch		PKIB4960J 7.0 - 8.0 V						
(P)	Ground	OUTPUT 1	Output	(Wiper intermit- tent dial 4)	Turn signal switch RH Turn signal switch LH	(V)						
					Front wiper switch LO	(V) 15 10 5						
					Front wiper switch MIST	0						
					Front washer switch ON	PKIB4958J						
						1.2 V						

	nal No.	Description				Value
+ (vvire	e color)	Signal name	Input/ Output		Condition	(Approx.)
27					P position (Release selector button)	0 V
37 (G)	Ground	Detention switch	Input	Selector lever	P position (Push selector button)	12 V
					Any position other than P	
					Waiting	ñÒ12 V
				Ignition switch OFF (Remote keyless entry communication)	When operating either button on Intelligent Key	(V) 15 10 5 0 200 ms
38 (SB)	Ground	Receiver communication	Input/ Output	Ignition switch ON (TPMS	Waiting	(V) 15 10 5 0 100 ms JMMIA0573GB
				communication)	When receiving signal from tire pressure sensor	(V) 15 10 5 0 100 ms JMMIA0574GB
39 (L)	Ground	CAN-H	Input/ Output		_	-
40 (P)	Ground	CAN-L	Input/ Output		_	_
43 (P)	Ground	Back door switch	Input	Back door switch	OFF (When back door closed)	(V) 15 10 5 0 + + 10ms PKIB4960J 7.0 - 8.0 V
					ON (When back door opened)	0 V
44		Rear wiper stop po-		Ignition switch	Rear wiper stop position	12 V
(LG)	Ground	sition	Input	ON	Any position other than rear wiper stop position	0 V

	nal No.	Description				Value
+	color)	Signal name	Input/ Output		Condition	(Approx.)
45 (R)	Ground	Passenger door switch	Input	Passenger door switch	OFF (When passenger door closed)	(V) 15 10 5 0 → 10ms PKIB4960J 7.0 - 8.0 V
					ON (When passenger door opened)	0 V
46 (LG)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (When rear RH door closed)	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V
					ON (When rear RH door opened)	0 V
47 (SB)	Ground	Driver door switch	Input	Driver door switch	OFF (When driver door closed)	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V
					ON (When driver door opened)	0 V
48 (BR)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (When rear LH door closed)	(V) 15 10 5 0 + 10ms PKIB4960J 7.0 - 8.0 V
					ON (When rear door LH opened)	0 V
49 (L)	Ground	Luggage room lamp	Output	Luggage room lamp	OFF ON	12 V 0 V
51 (Y)	Ground	Back door request switch	Input	Back door request switch	ON (Pressed) OFF (Not pressed)	0 V 12 V
53		Deat d	0.1.1	D. J. J.	OFF (Actuator is not activated)	0 V
(GR)	Ground	Back door open	Output	Back door	OPEN (Actuator is activated)	12 V

	nal No.	Description				Value				
+ (vvire	color)	Signal name	Input/ Output		Condition	(Approx.)				
54	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped)	0 V				
(P)		р.		, , , , , , , , , , , , , , , , , , ,	ON (Activated)	12 V				
55	Ground	Rear door UNLOCK	Output	Rear door	UNLOCK (Actuator is activated)	12 V				
(G)					Other than UNLOCK (Actuator is not activated)	0 V				
					p battery saver is activated. room lamp power supply)	0 V				
56 (P)	Ground	Interior room lamp power supply	Output	vated.	np battery saver is not acti- rior room lamp power sup-	12 V				
57 (P)	Ground	Battery power sup- ply	Input	Ignition switch O	FF	Battery voltage				
59	Ground	Passenger door UN-	Output	Passenger door	UNLOCK (Actuator is activated)	12 V				
(SB)	Ground	LOCK	Output	i asserigei dooi	Other than UNLOCK (Actuator is not activated)	0 V				
									Turn signal switch OFF	0 V
60 (V)	Ground	Turn signal LH	Output Ignition switch ON	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1s PKIC6370E 6.0 V				
					Turn signal switch OFF	0 V				
61 (W)	Ground	Turn signal RH	Output	Ignition switch ON	Turn signal switch RH	(V) 15 10 5 0 1s 1s PKIC6370E 6.0 V				
63	Craund	Interior room lamp	Output	Interior room	OFF	12 V				
(BR)	Ground	control	Output	lamp	ON	0 V				
				Ignition switch O	FF	3.6 V				
64 ^{*4}	Ground	Cranking request input	innut	input Ignition switch ON	Engine stopped (Selector lever is in P position)	0 V				
(R)	Cround	Statisting request			Engine stopped (Selector lever is not in P position)	12 V				
					Engine running	12 V				
65	Ground	All doors I OCK	Output	All doors	LOCK (Actuator is activated)	12 V				
(V)			Output	7 11 40013	Other than LOCK (Actuator is not activated)	0 V				

BCM

< ECU DIAGNOSIS INFORMATION >

[WITH INTELLIGENT KEY SYSTEM]

	nal No.	Description				Value	
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)	
66	Ground	Driver door UN-	Output	Driver door	UNLOCK (Actuator is activated)	12 V	
(SB)	Ground	LOCK	Output	Driver door	Other than UNLOCK (Actuator is not activated)	0 V	
67 (B)	Ground	Ground	Output	Ignition switch O	N	0 V	
68 (L)	Ground	P/W power supply (IGN)	Output	Ignition switch O	N	12 V	
69 (P)	Ground	P/W power supply (BAT)	Output	Ignition switch O	FF	12 V	
70 (Y)	Ground	Battery power sup- ply	Input	Ignition switch O	FF	Battery voltage	
72* ³	Ground	A/C indicator	Output	A/C indicator	OFF	12 V	
(SB)	2.34114		Carpat	2 2	ON	0 V	
75	Ground	Driver door request	Input	Driver door re-	ON (Pressed)	0 V	
(LG)	Siguila	switch	mpat	quest switch	OFF (Not pressed)	12 V	
76	Ground		Push-button ignition		Push-button ig-	Pressed	0 V
(LG)	Ground	switch (push switch)	Input	nition switch (push switch)	Not pressed	12 V	
78	Ground	Driver door antenna	Outout	When the driver door request	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 JMKIA5954GB	
(P)	Ground	(+)	Output	switch is operated with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between In- telligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 JMKIA5955GB	

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	nal No.	Description				Value
(Wire	color)	Signal name	Input/ Output		Condition	(Approx.)
79	Ground Driver door antenna Output Switch is operate.		When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 JMKIA5954GB		
(V)	Clound	(-)	Jupat	switch is operat- ed with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB
80	Ground	Passenger door an-	Output	When the passenger door request switch is	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 JMKIA5954GB
(BR)		tenna (+)	Сара	operated with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB
81	Ground	Passenger door an-	Output	When the passenger door request switch is	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 JMKIA5954GB
(G)	Giouna	tenna (-)	Output	operated with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between In- telligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 JMKIA5955GB

	nal No.	Description				Value	Α
+	e color)	Signal name	Input/ Output		Condition	(Approx.)	P
82	200	Rear bumper anten-		When the back door request	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 5 500 ms JMKIA5954GB	C
(W)	Ground	na (+)	Output	switch is operated with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between Intelligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB	E
83		Rear bumper anten-		When the back door request	When Intelligent Key is not in the antenna detection area (The distance between Intelligent Key and antenna: Approx. 2 m)	(V) 15 10 5 0 500 ms JMKIA5954GB	- -
(B)	Ground	na (-)	Output	switch is operat- ed with ignition switch ON	When Intelligent Key is in the antenna detection area (The distance between In- telligent Key and antenna: 80 cm or less)	(V) 15 10 5 0 500 ms JMKIA5955GB	K
84		Room antenna 1 (+)		Ignition switch	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA5951GB	ВС
(BR)	Ground	(Instrument center)	Output	ON	When Intelligent Key is in the antenna detection area	(V) 15 10 1	F

	nal No.	Description				Value
(Wire	e color)	Signal name	Input/ Output		Condition	(Approx.)
85	85 Room antenna 1 (-) Quanta Ignition switch		When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 S S S S S S S S S		
(GR)	Glound	(Instrument center)	Output	ON -	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA3839GB
86	6 Ground Luggage room an- Qutput Ignition switch	Ignition switch	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA5951GB		
(V)	Ground	tenna (+)	Output	ON	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA3839GB
87	Ground	Luggage room an-		When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 1 1 1 1 1 1 1 1 1	
(LG)	Giound	tenna (-)	Output	ŌΝ	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA3839GB

	nal No.	Description				Value		
+ (VVIre	e color)	Signal name	Input/ Output		Condition	(Approx.)		
90		Push-button ignition		Push-button ig-	ON	12 V		
(W)	Ground	switch illumination power supply	Output	nition switch illu- mination	OFF	0 V		
91	Ground	ACC/ON indicator	Output	Ignition owitch	OFF	Battery voltage		
(V)	Ground	lamp	Output	Ignition switch	ACC or ON	0 V		
					OFF	0 V		
92 (R)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	ON	NOTE: When the illumination brightening/dimming level is in the neutral position (V) 15 10		
		ground				JPMIA1554GB 6.0 - 7.0 V		
					Sounding	0.0 - 7.0 V		
93 (GR)	Ground			Intelligent Key warning buzzer	Not sounding	12 V		
		-			OFF	0 V		
96 (BR)	Ground	Ground Accessory relay Output Ignition sv		Ignition switch	ACC or ON	12 V		
		Starter relay control		Ignition switch	When selector lever is in P or N position	12 V		
97	Ground	(CVT models)	Output	ON ON	When selector lever is not in P or N position	0 V		
(SB)		Ctartan ralau anatral		Lauritiana avvitala	Clutch pedal is depressed	12 V		
		Starter relay control (M/T models)	Output	Ignition switch ON	Clutch pedal is not de- pressed	0 V		
98	Cround	Ignition relay (IPDM	Output	Ignition outitab	OFF or ACC	12 V		
(P)	Ground	E/R) control	Output	Ignition switch	ON	0 V		
99	Crown	Ignition relay (F/B)	Outent	Ignition outtob	OFF or ACC	0 V		
(R)	Ground	control	Output	Ignition switch	ON	12 V		
100	Cround	Passenger door re-	lnn::t	Passenger door	ON (Pressed)	0 V		
(P)	Ground	quest switch	Input	request switch	OFF (Not pressed)	12 V		
		Clutch interlock	Input	Clutch interlock	OFF (Clutch pedal is not depressed)	0 V		
101 (Y)	Ground	switch (M/T models)	трис	switch	ON (Clutch pedal is depressed)	Battery voltage		
. ,		Ignition power sup-	0.4.	Laurence - 10-1-	OFF	0 V		
		ply No.2 (Except M/T models)	Output	Ignition switch	ON	12 V		
		P/N position (Except		Calastanti	P or N position	12 V		
		M/T models)		Selector lever	Except P and N positions	0 V		
102 (L)	Ground	Neutral switch (M/T	Input	Ignition switch	Control lever NEUTRAL position	Battery voltage		
		models)		ON	Control lever except NEU- TRAL position	0 V		

	nal No.	Description				Value
+ (Wire	color)	Signal name	Input/ Output	Condition (Approx.)		
					A/C mode defroster ON position	0 V
103 (G)	Ground	Front defroster switch	Input	Ignition switch ON	Other than A/C mode de- froster ON position	(V) ₁₅ 10 5 0 +-2ms JPMIA0589GB 8.0 - 9.0 V
104 (SB)	Ground	CVT shift selector (detention switch) power supply	Output	Ignition switch O	N	12 V
105 (V)	Ground	Stop lamp switch 2	Input	Ignition switch O	FF	Battery voltage
106	Ground	Blower relay control	Output	Ignition switch	OFF or ACC	0 V
(Y)	Cround	Biotici Tolay Control	Carpar	iginasii owitori	ON	12 V

^{*1:} This terminal is not used.

Fail-safe

FAIL-SAFE CONTROL BY DTC

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

Display contents of CONSULT	Fail-safe	Cancellation
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
B2196: DONGLE NG	Inhibit engine cranking	Erase DTC
B2198: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
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)
B260F: ENG STATE SIG LOST	Inhibit engine cranking	When any of the following conditions are fulfilled • Power position changes to ACC • Receives engine status signal (CAN)
B26F1: IGN RELAY OFF	Inhibit engine cranking	When the following conditions are fulfilled Ignition switch ON signal (CAN: Transmitted from BCM): ON Ignition switch ON signal (CAN: Transmitted from IPDM E/R): ON
B26F2: IGN RELAY ON	Inhibit engine cranking	When the following conditions are fulfilled Ignition switch ON signal (CAN: Transmitted from BCM): OFF Ignition switch ON signal (CAN: Transmitted from IPDM E/R): OFF
B26F3: START CONT RLY ON	Inhibit engine cranking	When the following conditions are fulfilled Starter control relay signal (CAN: Transmitted from BCM): OFF Starter control relay signal (CAN: Transmitted from IPDM E/R): OFF

^{*2:} For Canada

^{*3:} Manual A/C models

^{*4:} CVT models

BCM

< ECU DIAGNOSIS INFORMATION >

[WITH INTELLIGENT KEY SYSTEM]

Display contents of CONSULT	Fail-safe	Cancellation
B26F4: START CONT RLY OFF	Inhibit engine cranking	When the following conditions are fulfilled Starter control relay signal (CAN: Transmitted from BCM): ON Starter control relay signal (CAN: Transmitted from IPDM E/R): ON
B26F7: BCM	Inhibit engine cranking by Intelligent Key sys- tem	When room antenna and luggage room antenna functions normally

REAR WIPER MOTOR PROTECTION

BCM detects the rear wiper stopping position according to the rear wiper stop position signal.

When the rear wiper stop position signal does not change for more than 5 seconds while driving the rear wiper, BCM stops power supply to protect the rear wiper motor.

Condition of cancellation

- More than 1 minute is passed after the rear wiper stop.
- 2. Turn rear wiper switch OFF.
- Operate the rear wiper switch or rear washer switch.

FAIL-SAFE CONTROL OF COMBINATION SWITCH READING FUNCTION CAUSED BY LOW POWER SUPPLY VOLTAGE

If voltage of battery power supply lower, BCM maintains combination switch reading to the status when input voltage is less than approximately 9 V.

NOTE

When voltage of battery power supply is approximately 9 V or more, combination switch reading function returns to normal operation.

DTC Inspection Priority Chart

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 U1010: CONTROL UNIT (CAN)
3	B2192: ID DISCORD BCM-ECM B2193: CHAIN OF BCM-ECM B2195: ANTI-SCANNING B2196: DONGLE NG B2198: NATS ANTENNA AMP

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Priority	DTC
4	B2555: STOP LAMP B2556: PUSH-BTN IGN SW B2557: VEHICLE SPEED B2601: SHIFT POSITION B2602: SHIFT POSITION B2603: SHIFT POSITION B2603: SHIFT POSI STATUS B2604: PNP/CLUTCH SW B2605: PNP/CLUTCH SW B2605: PNP/CLUTCH SW B2606: STARTER RELAY B2607: ENG STATE SIG LOST B2617: BCM B2618: BCM B2616: BCM B2616: BCM B2617: BCM B2618: BCM B2618: BCM B2618: CLUTCH SW B2620: NEUTRAL SW B2620: NEUTRAL SW B2620: NEUTRAL SW B2658: CLUTCH SW B26F1: IGN RELAY OFF B26F2: IGN RELAY ON B26F3: START CONT RLY ON B26F4: START CONT RLY OF B26F5: BCM B26F7: BCM B26F8: BCM B26F8: BCM B26F8: BCM B26F9: CRANK REQ CIR SHORT B26F8: CLUTCH SWITCH B26FB: CLUTCH SWITCH B26FC: KEY REGISTRATION C1729: VHCL SPEED SIG ERR U0415: VEHICLE SPEED
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
6	B2621: INSIDE ANTENNA B2622: INSIDE ANTENNA
7	 B2626: OUTSIDE ANTENNA B2627: OUTSIDE ANTENNA B2628: OUTSIDE 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.

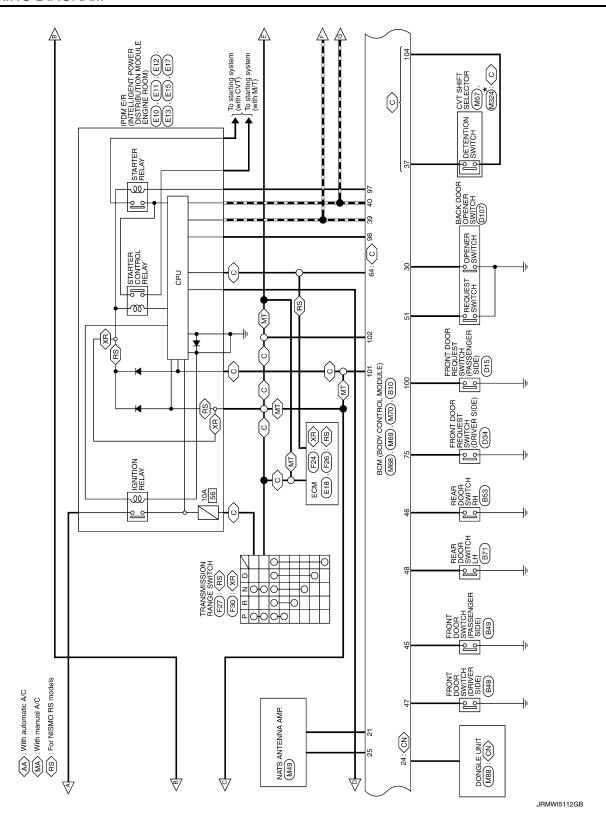
IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to <u>BCS-15, "COM-MON ITEM".</u>

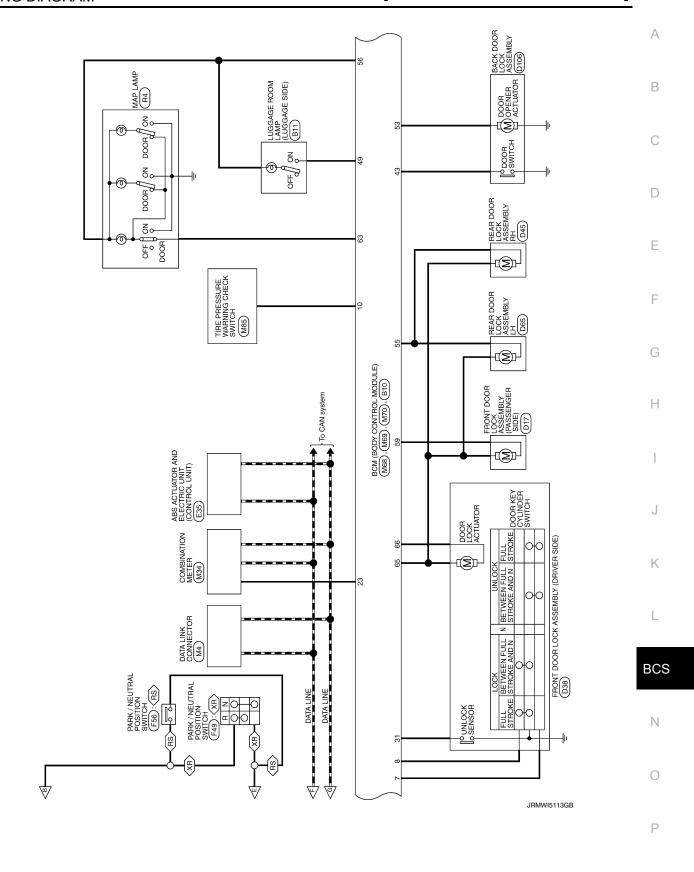
CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
No DTC is detected. further testing may be required.	_	_	_	_	_
U1000: CAN COMM	_	_	_	_	BCS-83
U1010: CONTROL UNIT (CAN)	_	_	_	_	BCS-84
U0415: VEHICLE SPEED	_	_	×	_	BCS-85
B2192: ID DISCORD BCM-ECM	×	_	_	_	SEC-53
B2193: CHAIN OF BCM-ECM	×	_	_	_	SEC-54
B2195: ANTI-SCANNING	×	_	_	_	SEC-55
B2196: DONGLE NG	×	_	_	_	SEC-56
B2198: NATS ANTENNA AMP	×	_	_	_	SEC-58
B2555: STOP LAMP	_	×	×	_	SEC-61
B2556: PUSH-BTN IGN SW	_	×	×	_	SEC-63
B2557: VEHICLE SPEED	_	×	×	_	SEC-65
B2562: LOW VOLTAGE	_	×	_	_	BCS-86
B2601: SHIFT POSITION	_	×	×	_	SEC-66
B2602: SHIFT POSITION	_	×	×	_	SEC-68
B2603: SHIFT POSI STATUS	_	×	×	_	SEC-71
B2604: PNP/CLUTCH SW	_	×	×	_	SEC-75
B2605: PNP/CLUTCH SW	_	×	×	_	SEC-77
B2608: STARTER RELAY	×	×	×	_	SEC-78
B260F: ENG STATE SIG LOST	×	×	×	_	SEC-80
B2614: BCM	_	×	×	_	PCS-63
B2615: BCM	_	×	×	_	PCS-66
B2616: BCM	_	×	×	_	PCS-68
B2618: BCM	_	×	×	_	PCS-70
B261A: PUSH-BTN IGN SW	_	×	×	_	PCS-71
B261F: ASCD CNCL/CLTCH SW	_	×	×	_	SEC-83
B2620: NEUTRAL SW	_	×	×	_	SEC-85
B2621: INSIDE ANTENNA	_	×	_	_	DLK-49
B2622: INSIDE ANTENNA	_	×	_	_	DLK-51
B2626: OUTSIDE ANTENNA	_	×	_	_	DLK-55
B2627: OUTSIDE ANTENNA	_	×	_	_	DLK-53
B2628: OUTSIDE ANTENNA	_	×	_	_	DLK-57
B26E8: CLUTCH W	_	×	×	_	SEC-88
B26F1: IGN RELAY OFF	×	×	×	_	PCS-73
B26F2: IGN RELAY ON	×	×	×	_	PCS-75
B26F3: START CONT RLY ON	×	×	×	_	SEC-91
B26F4: START CONT RLY OFF	×	×	×	_	SEC-92
B26F6: BCM	_	×	×	_	PCS-77
B26F7: BCM	×	×	×	_	SEC-93
B26F8: BCM	_	×	×	_	SEC-94

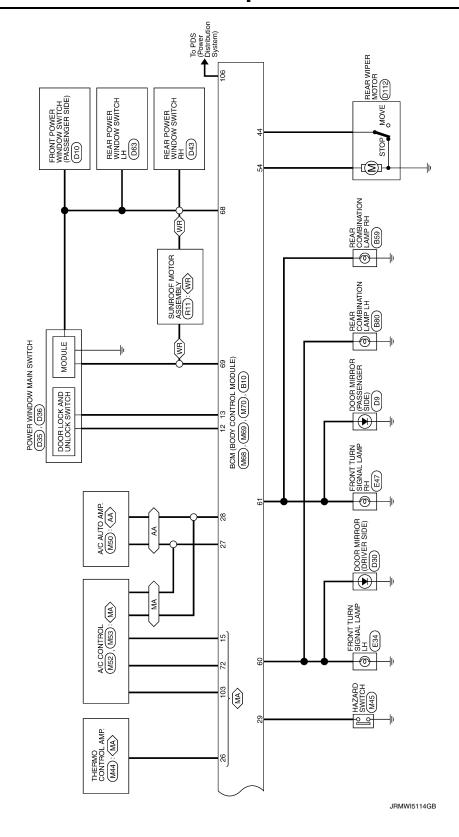
BCS-63 Revision: November 2015 2016 JUKE

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
B26F9: CRANK REQ CIR SHORT	_	×	×	_	SEC-95
B26FA: CRANK REQ CIR OPEN	_	×	×	_	SEC-97
B26FB: CLUTCH SWITCH	_	×	×	_	SEC-99
B26FC: KEY REGISTRATION	_	×	×	_	SEC-100
C1704: LOW PRESSURE FL	_	_	_	×	
C1705: LOW PRESSURE FR	_	_	_	×	WT 22
C1706: LOW PRESSURE RR	_	_	_	×	<u>WT-22</u>
C1707: LOW PRESSURE RL	_	_	_	×	
C1708: [NO DATA] FL	_	_	_	×	
C1709: [NO DATA] FR	_	_	_	×	WT-24
C1710: [NO DATA] RR	_	_	_	×	<u> </u>
C1711: [NO DATA] RL	_	_	_	×	
C1716: [PRESSDATA ERR] FL	_	_	_	×	
C1717: [PRESSDATA ERR] FR	_	_	_	×	WT 26
C1718: [PRESSDATA ERR] RR	_	_	_	×	<u>WT-26</u>
C1719: [PRESSDATA ERR] RL	_	_	_	×	
C1729: VHCL SPEED SIG ERR	_	_	_	×	<u>WT-28</u>

WIRING DIAGRAM Α **BCM** Wiring Diagram INFOID:0000000012200722 В OUTSIDE KEY ANTENNA (REAR BUMPER) CLUTCH INTERLOCK SWITCH (E29): (MT) C |o PUSH |o SWITCH FUSE BLOCK (J/B) (M1) *: This connector is not shown in "Harness Layout". D OUTSIDE KEY ANTENNA (PASSENGER SIDE) (D14) ACC / ON 10A Œ Except for NISMO RS models Е \(\begin{align*} \left(\overline{MT}\) \: With M/T \(\delta\times\) : With auto light system \(\delta\times\) : Except for NISMO RS m ILLUMINATION To accessory power supply o∏ ACCESSORY OUTSIDE KEY ANTENNA (DRIVER SIDE) (D33) F G S IGNITION RELAY ⟨CN⟩: For Canada ⟨C⟩: With CVT ⟨WR⟩: With sunroof Н INSIDE KEY ANTENNA (LUGGAGE ROOM) (B82) M68), (M69), (M70), (B10) To ignition power ← supply REMOTE KEYLESS ENTRY RECEIVER (M75) B 10A J INSIDE KEY ANTENNA (INSTRUMENT CENTER) (M105) OPTICAL SENSOR (M84): AL K ⁴ |4| |4| L INTELLIGENT KEY WARNING BUZZER (E25) 4 13 4 13 BCM (BODY CONTROL MODULE) BCS 9 9 Ν COMBINATION SWITCH 0 2015/08/18 Р BATTERY JRMWI5111GB







Connector No. B80	l e	Connector Type NS06MW-CS	HS. 3 5 6 6	Terminal Color Of Signal Name [Specification] No.	1 R	2 GR .	H	. 9 9	T	Connector No. B82	Connector Name INSIDE KEY ANTENNA (LUGGAGE ROOM)	Т					Terrinial Color Of Signal Name [Specification] No. Wire
Terminal Color Of		┨	No. 859 Name REAR COMBINATION LAMP R Type NSOGMW. CS	3 1 2 2 2			Terminal Color Of Circus Manua Concification	4	2 G8	3 8		. 9 9	Connector No. 871	١,			Terminal Color Of Signal Name (Specification) Terminal Color Of Signal Name (Specification) 2 BR 2
Connector No. B48	l e	Connector Type A03FW	HS.	Terminal Color Of Signal Name [Specification] No.	2 SB .		Connector No. B49	Connector Name FRONT DOOR SWITCH (PASSENGER SIDE)	Connector Type A03FW			<u> </u>	2		Terminal Color Of		Wire REAR DOOR TOT Type A03FW
BCM (BODY CONTROL MODULE)	BCM (BODY CONTROL MODULE)	FEA09FB-FHA6-SA		Sign	BACK DOOR SW	REAR WIPER STOP POSITION PASSENGER DOOR SW	REAR RH DOOR SW	DRIVER DOOR SW	LUGGAGE LAMP OUTPUT	BACK DOOR REQ SW	BK DOOR OPEN OUTPUT	REAR WIPER OUTPUT		811	LUGGAGE ROOM LAMP (LUGGAGE SIDE)	NS02FW-CS	
BCM (BOD	Connector Name	Connector Type	国 SH	Terminal Color Of No. Wire	Н	44 LG	H	47 SB	49 PK	51 Y	H	54 P	1	Connector No.	Connector Name	Connector Type	Terminal Color of No. Wire 2 L

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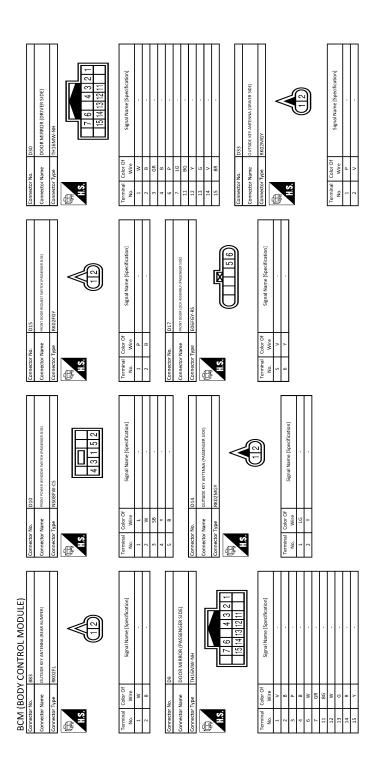
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Connector No. 1053 Connector Name REAR POWER WINDOW SWITCH LM Connector Type MSOSPEW CS THS. 14 3 1 5 2	Terminal Color Of Signal Name Specification	
Connector No. D43 Connector Name REAR POWER WINDOW SWITCH RH Connector Type NSORFW.CS ALS ALS ALS ALS ALS ALS ALS A	Terrinal Color Of Signal Name Specification	
Connector No. D36 Connector Name POWER WINDOW MAIN SWITCH Connector Type NS03FW-C5 TAS TAS TAS TAS TAS TAS	Terminal Color Of Signal Name Specification No. Wife French Towns votice (Interesting State 13 R French Towns votice 13 R French Towns votice 13 French Towns votice 14 French Towns votice 15 French Town	
BCM (BODY CONTROL MODULE) Connector No. 1934 Connector Name Indox 1000x 1000	Terminal Coler Of Signal Name [Specification] 1	
		JRMWI5117GB

Revision: November 2015 BCS-71 2016 JUKE

Connector No. E13 Connector Name Provide Connector Name Prinz Provide Prinz Provide Prinz	Terminal Color Of Signal Name Specification No. Wire Signal Name Specification Signal Name Specification State S	H.S. [22 51 50 [111] 49 40 [112] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [113] 50 [11	
Connector No. E11 Connector Name Industrial Connector Name Industrial Connector Type Model 9-LC ALS 10 9	Terminal Color Of Signal Name [Specification] No. Wire Signal Name [Specification] 9 9 13 14 18 17 17 17 17 17 17 17	Terminal Color Of Signal Name (Specification)	
Connector No. D112 Connector Name REAR WIPER MOTOR Connector Type (EA03FW) H.S.	Terminal Color Of Signal Name Specification	Terminal Color Of Signal Name Specification No. Wire S R S S S S S S S S	
BCM (BODY CONTROL MODULE) Connector Nume Buck DOOR LOCK ASSENBLY Connector Type NSD4FW/CS H.S.	Signal Name Signal Name Specification	Terminal Color Of Signal Name (Specification) No. Write	\mathbf{H}

JRMWI5118GB

Connector No. E35	
Connector No. 629 Connector Name CLUTCH INTRILOCK SWITCH Connector Type MOLFFW-LC Terminal Color Of Signal Name [specification] 3 UNF Signal Name [specification] Connector Name FRONT URBN SIGNAL LAMP LH Connector Name FRONT TABN SIGNAL LAMP LH Connector Name FRONT CALL NAMP LH Connector Name Signal Name [specification] Terminal Color Of Signal Name [specification] 1 V C Signal Name [specification]	
105 GR FOWER SUPPLY CHE CALL BLOCKED 108 GR CULTCH FEBAL POSITION SMITCH 108 GR CULTCH FEBAL POSITION SMITCH 110 P ACCES SMITCH 111 BR CEM RELAY (EST REAT CHE FEB L SMITCH 112 RB CEM RELAY (EST REAT CHE FEB L SMITCH 113 R CEM RELAY (EST REAT CHE FEB L SMITCH 114 R STOP LAMP SWITCH 115 R BRACE FEBAL POSITION SWITCH 116 G REAT CHE CONTINO WITCH 117 Y CHE BLAND RELAY 118 C STOP CHE SUPPLY 119 W ACCES CHE CONTINO WITCH 110 W ACCES CHE CONTINO WITCH 111 G THROTHE CONTINO MOTER SUPPLY 112 G THROTHE CONTINO MOTER SUPPLY 113 G THROTHE CONTINO MOTER SUPPLY 114 G THROTHE CONTINO MOTER SUPPLY 115 G THROTHE CONTINO MOTER SUPPLY 116 W ACCES CHE CHE CHE CONTINO MOTER SUPPLY 117 G THROTHE CONTINO MOTER SUPPLY 118 C THROTHE CONTINO MOTER SUPPLY 119 W TELOS CHE GROUND 120 GR THROTHE CONTINO MOTER SUPPLY 121 G THROTHE CONTINO MOTER SUPPLY 122 GR THROTHE CONTINO MOTER SUPPLY 124 GR THROTHE CONTINO MOTER SUPPLY 125 GR THROTHE CONTINO MOTER SUPPLY 126 GR THROTHE SUPPLY 127 GR THROTHE SUPPLY 128 GR THROTHE SUPPLY 129 GR THROTHE SUPPLY 120 GR Signal Name (Specification) 140 GR THROTHE SUPPLY 140 GR Signal Name (Specification) 15 R THROTHE SUPPLY 15 THROTHE SUPPLY 16 THROTHE SUPPLY 17 GR THROTHE SUPPLY 18 THROT	
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Revision: November 2015 BCS-73 2016 JUKE

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52 BR THROTTLE CONTROL MOTOR (CLOSE)	53 BR FUEL INJECTOR DRIVER POWER SUPPLY 2	54 R HIGH PRESSURE FUEL PUMP DRIVER POWER SUPPLY	55 BR HIGH PRESSURE FUEL PUMP (HI)	56 Y HIGH PRESSURE FUEL PUMP (LO)	58 G SENSOR POWER SUPPLY	_	60 W SENSOR GROUND	62 B SENSOR POWER SUPPLY	63 BR CAMSHAFT POSITION SENSOR (PHASE)	64 R CRANKSHAFT POSITION SENSOR (POS)	67 LG EXHAUST VALVE TIMING CONTROL POSITION SENSOR	68 Y SENSOR POWER SUPPLY	69 L EVAP CANISTER VENT CONTROL VALVE	GR.	1	74 K SENSON GROUND 75 G THROTTIE POSITION SENSOR 1	9 3	75 V THROTTLE POSITION SENSOR 2	- 10	2 0	9 ;	W INTAKE VALV	R	9	۵.	G EXHAUST VA	91	BR	V INTAK	Ь	~	SB	95 L EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE																
SENSOR GROUND	A/F SENSOR 1	THROTTLE POSITION SENSOR 2	ECM RELAY (SELF SHUT-OFF)		SENSOR POWER SUPPLY	2	SENSOR GROUND	THROTTLE POSITION SENSOR 1	IGNITION SIGNAL NO.2	IGNITION SIGNAL NO.1	THROTTLE CONTROL MOTOR RELAY	ENOID VALVE	IGNITION SIGNAL NO.4		IGNI HON SIGNAL NO.3	2	1	E S			_	1		<u></u>	DLENOID VALVE			PLY		THROTTLE CONTROL MOTOR (CLOSE)			F26	ECM		RH40FBR-RZ8-L-RH			92 88 84 80 /6 /2 88 64 60 56 52	8/83/9/20	8	[[ff (2,000,000,000,000,000,000,000,000,000,0		FUEL INJECTOR DRIVER POWER SUPPLY 1	ECM GROUND (HIGH PRESSURE FUEL PUMP)	THROTTLE CONTROL MOTOR (OPEN)
78 R	W 62	W 08	81 BR	82 Y	83 B	84 W	85 R	98	97 56	96 R	γ /6	98 R	101 SB	4	104 407	105 BK	+	100	+	+	+	112 6	113 Y	114	+	+	+	4	\dashv	120 BR			Connector No.	Connector Name		Connector Type	₫.	李	Š	T T					Terminal Color Of	No. Wire	+	+	51 GR
). E118	Г	ame STOP LAMP SWITCH	pe M02FB-LC				Ī	2 1				Color Of Signal Name (Specification)	Wire Signal reality [Specification]				lr.s.		ame ECM	T	pe MABSSHB-MEB10-LH				58 SISSEM MINISTER OF THE PROPERTY OF THE PROP	S S S S S S S S S S S S S S S S S S S				Color Of Signal Name (Specification)	a	Ä	W EGR VOLUME CONTROL VALVE MOTOR (+)	R EGR VOLUME CONTROL VALVE MOTOR (-)		W SENSOR POWER SUPPLY	SENS	SHIELD SHIELD	†	4	+	┪	LG EXHAUST VALVE TIMING CONTROL POSITION SENSOR	L SENSOR GROUND	B SENSOR GROUND	GR SENSOR POWER SUPPLY	B A/F SENSOR 1	L MULTI-WAY CONTROL VALVE POSITION SENSOR	V INTAKE AIR TEMPERATURE SENSOR 2
Connector No.		Connector Name	Connector Type			Į	Š.					Terminal Co	No.	11	7		Connector No	Confidence No.	Connector Name		Connector Type	Q	AF)	S II					ŀ	la.	+	26	57	28	9	61	+	†	69	99	- 67	89	69	7.1	72	73	74	75	77
BCM (BODY CONTROL MODULE) Connector No. [647] [6	The second secon	FROM LUKN SIGNAL LAMP KH	HS02FGY-1V			[((2 1)))			Color Of Sirent Manuel Conceptional	Wire Specification				50.00	E102	STOP LAMP SWITCH	0.1111111111111111111111111111111111111	MD4FW-LC			ļ	3.4	1 2	3			Color Of Signal Name [Specification]			~				•	•	•	•							1		
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Connector No. M1 Connector Name FUSE BLOCK (J/B) Connector Type IDTEW/ANC THS.	Terminal Color Of Signal Name Specification No. No. M4 Connector Nume Dayl A. UNK CONNECTOR Connector Nume Dayl A. UNK CONNECTOR Connector Nume Signal Name Specification No. Where Signal Name Specification Signal Name Specification Signal Name Specification No. Nume Signal Name Specification No. Nume Signal Name Specification No. Nume Nume	
Connector No. 149 Connector Name PARK / NEUTRAL POSITION SWITCH Connector Type FEAGNG-LC THES	Terminal Color Of Signal Name Specification	
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Revision: November 2015 BCS-75 2016 JUKE

	No. M52	Name A/C CONTROL	Type C04FW				16 17 18 19				Color Of Signal Name (Specification)	Wire Signal value [Specification]							No. M53	IOGINOS SI Omen		Type SEA09FB-SHA6				9 13 12 11 10 14	, , ,				Color Of	Wire Signal Name (Specification)		- · · · · · · · · · · · · · · · · · · ·			^	- GR					M a		-	
	Connector No.	Connector Name	Connector Type	Æ	李	Ż.					Terminal	No.	16	17	18	19			Connector No.	Connector Name	COMMECTO	Connector Type	ſ	ß	ŧ	Ż					Terminal	No.	1	2	3	4	2	9	7	00	σ	n	11	11	77	13
	M50	A/CAUTO AMP.	TH40FW-NH			23456789101112131415 17181933	22.22				Signal Name (Specification)	ognome lobecureation	IN-VEHICLE SENSOR SIGNAL	INTAKE SENSOR SIGNAL	AMBIENT SENSOR SIGNAL	SUNLOAD SENSOR SIGNAL	CAN-H	CAN-L	INTAKE DOOR MOTOR PBR POWER SUPPLY	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL	SENSOR GROUND	IGNITION POWER SUPPLY	BATTERY POWER SUPPLY	POWER TRANSISTOR CONTROL SIGNAL	BLOWER FAN ON SIGNAL	A/C ON SIGNAL	A/MIX DRIVE SIGNAL 4	A/MIX DRIVE SIGNAL 3	A/MIX DRIVE SIGNAL 2	A/MIX DRIVE SIGNAL 1	IGNITION POWER SUPPLY	INTAKE DOOR MOTOR PBR F/B SIGNAL	GROUND	REC DRIVE SIGNAL	FRE DRIVE SIGNAL	MODE DRIVE SIGNAL 4	MODE DRIVE SIGNAL 3	MODE DRIVE SIGNAL 2	MODE DRIVE SIGNAL 1							
	Connector No.	Connector Name	Connector Type			í E					inal Color Of	Wire	97	>	GR	۵	_	۵	W	Ь	В	16	>	GR.	97 1	>	88	. GR	Α.	٦ .	9	88	8	9	>	R	۵	>	>							
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- 1																																														
	M45	HAZARD SWITCH	TK04FW				3 1 2 4				Signal Name (Specification)	ognanialise [operation]		,		,			M49	NATS ANTENNA AND	IVALS AIN ICININA AINIP.	TH04FW-NH			K	1	1 2 3 4	+ 6 7 1				signal Name (specification)	BAT	CLK	DATA	GND										
	Connector No. M45	Connector Name HAZARD SWITCH	Connector Type TK04FW	Œ	The state of the s		3 1 2 4				Terminal Color Of Signal Name (Specification)	No. Wire Juginal Marine [Specification]	1 8	2 SB .		4 GR			Connector No. M49	Connector Name MATS ANTENNA AND		Connector Type TH04FW-NH	ſ		K		1 2 3 4	+ 0 7 1			Terminal Color Of	No. Wire Signal Name (Specification)	1 V BAT	2 P CLK	3 LG DATA	4 B GND										
	Connector No.		EVEL SWITCH SIGNAL Connector Type	N CONTROL SIGNAL	多 `	AL	WASHER LEVEL SWITCH SIGNAL	SECURITY SIGNAL	AMBIENT SENSOR SIGNAL	AMBIENT SENSOR GROUND	Terminal Color Of	Wire		FUEL LEVEL SENSOR GROUND 2 SB -	VDC GROUND 3 V -	SIGNAL 4	BATTERY POWER SUPPLY	IGNITION SIGNAL.	Connector No.	AL Connector Name		AL MODE SIGNAL Connector Type	ALTERNATOR SIGNAL						806FW		Terminal Color Of	Wire	> 1	2 p	3 LG	- F		(Signal Name [Specification]							
	- Connector No.	Connector Name	G BRAKE FLUID LEVEL SWITCH SIGNAL Connector Type	ILLUMINATION CONTROL SIGNAL	L ACC POWER SUPPLY	.	9	18 R SECURITY SIGNAL	19 GR AMBIENT SENSOR SIGNAL	R AMBIENT SENSOR GROUND	B GROUND Terminal Color Of	No. Wire	B GROUND 1	2	25 B VDCGROUND 3 V -	V PADDLE SHIFTER DOWN SWITCH SIGNAL 4	1G	GR	Connector No.	Connector Name	MODE SIGNAL	Connector Type	ALTERNATOR SIGNAL			Connector No. M44		I HEKMIO CON I KOLAIMP.	Connector Type SOGFW		Terminal Color Of	No. Wire	> 1	2 P	3 LG	- F		Terminal Color Of	Wire	۲	a a	, un				

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Connector No.	MS7	6	æ	STOP LAMP SW 1	9	>	ALL DOOR LOCK OUTPUT	105 V STOP I	STOP LAMP SW 2
Connector Name	CVT SHIET SELECTOR	10	Μ		99	SB	DR DOOR UNLK OUTPUT	106 Y BLWRF	BLWR RELAY CONT
		12	æ	DOOR LK & UNLK SW LOCK	67	80	GND		
Connector Type	TH16FW-NH	13	BR	DOOR LK & UNLK SW UNLOCK	89	_	PW PWR SPLY (IGN)		
δ		14	88	OPTICAL SENS	69	۵	PW PWR SPLY (BAT)	Connector No. M75	
厚	[12	≥	REAR WINDOW DEF SW	70	>	BAT (F/L)	Connector Name REMOTE KEYLESS ENTRY RECEIVER	Y RECEIVER
Ę		17	>	OPTICAL SENS PWR SPLY				T	
į.	8787371	18	>	RECEIVER GND				Connector Type TH04FW-NH	
	0 0	21	Ь	NATS ANT AMP.	Connector No.	r No.	M70	0	
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		24	SB	DONGLE LINK	COMMECTO	Name	BUM (BOD) CON LOC MICROLE)		P
		25	91	NATS ANT AMP.	Connector Type	r Type	TH40FW-NH		7
Terminal Color Of		76	BR	THERMO AMP.				1 0	7
No. Wire	Signal Name [Specification]	27	>	A/C SW	Œ			7	
1 P		28	97	BLOWER FAN SW	· ·		[
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3 BR		30	-	BK DOOR OPENER SW			77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Terminal Color Of	[60.000]
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10 B		37	5	DETENTSW	75	9	DR DOOR REQ SW	Connector No. M84	
\dashv		38	SB	RECEIVER COMM	16	91	PUSHSW	Connector Name OPTICAL SENSOR	
12 SB		39	_	CAN-H	78	۵	DRIVER DOOR ANT+		
13 G		40	d	CAN-L	79	^	DRIVER DOOR ANT-	Connector Type TK03FW	
					80	BR	PASS DOOR ANT+	¢	
					81	9	PASS DOOR ANT-		
Connector No.	M68	Connector No.	or No.	M69	82	8	REAR BMPR ANT+		
Connector Mame	BCM (BODY CONTROL MODILLE)	Connect	Connector Name	BCNA (BODY CONTROL MODILLE)	83	8	REAR BMPR ANT-	1	f
				, and a second control of the second control	84	BR	ROOM ANT 1+	•	23
Connector Type	TH40FB-NH	Connector Type	or Type	FEA09FW-FHA6-SA	85	GR	ROOM ANT 1-]	1
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T.					87	97	ROOM ANT2 -		
Į		1		. 0 00 02	06	*	PUSH-BTN IGN SW ILL PWR	Terminal Color Of	
H.S.		S.		126 57 59 60 61 63 64	91	>	ACC/ON IND		Signal Name [Specification]
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			-		/6	2	STAKLEK KELAT CONT		
e	Signal Name [Specification]	Terminal	_	Signal Name [Specification]	86	۵.	IGN RELAY (IPDM E/R) CONT		
No. Wire	,	S	Wire		66	æ	IGN RELAY (F/B) CONT		
2 r	COMBI SW INPUT 5	26	Ь	INT ROOM LAMP PWR SPLY	100	۵	PASS DOOR REQ SW		
3 GR	COMBI SW INPUT 4	57	۵	BATT(FUSE)	101	>	CLUTCH INTERLOCK SW [FOR M/T MODELS]		
4 BR	COMBI SW INPUT 3	59	SB	PASS DOOR UNLK OUTPUT	101	>	IGN SPLY NO2. [EXCEPT FOR M/T MODELS]		
9	COMBI SW INPUT 2	09	>	TURN SIG LH OUTPUT	102	_	NEUTRAL SW [FOR M/T MODELS]		
ŀ	COMBI SW INDIT 1	ū	3	TIIDN SIG BHOLITDIT	103	ŀ	P/N POSITION (FYCEPT FOR M/T MODELS)		
ł	WES CONTINUOUS SIM	3 8	e de	THOU AND I MODELLA TO I	103		ED DEED OF SWI		
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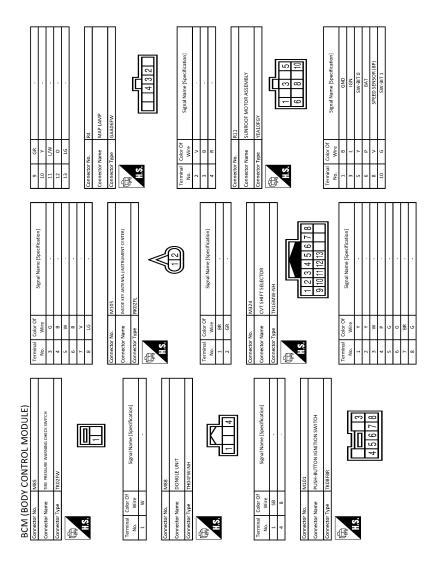
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ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

< BASIC INSPECTION >

IWITH INTELLIGENT KEY SYSTEM

BASIC INSPECTION

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

Description INFOID:0000000012200723

Perform the following operations when replacing BCM. (For details, refer to BCS-79, "Work Procedure".)

BEFORE REPLACEMENT

When replacing BCM, save or print current vehicle specification with CONSULT configuration before replacement.

NOTE:

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing BCM.

AFTER REPLACEMENT

CAUTION:

When replacing BCM, always perform "Read / Write Configuration" or "Manual Configuration" with CONSULT. Or not doing so, BCM control function does not operate normally.

- Complete the procedure of "Read / Write Configuration" in order.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.
- If you set incorrect "Read / Write Configuration" or "Manual Configuration", incidents might occur. NOTE:

When replacing BCM, perform the system initialization (NVIS) (if equipped).

Work Procedure INFOID:0000000012200724

1. SAVING VEHICLE SPECIFICATION

(P)CONSULT Configuration

Perform "Before Replace ECU" of "Read / Write Configuration" to save or print current vehicle specification. Refer to BCS-80, "Description".

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing BCM.

>> GO TO 2.

2.REPLACE BCM

Replace BCM. Refer to BCS-94, "Removal and Installation".

>> GO TO 3.

3.WRITING VEHICLE SPECIFICATION

(P)CONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration" or "Manual Configuration" to write vehicle specification. Refer to BCS-80, "Work Procedure".

>> GO TO 4.

4.INITIALIZE BCM (NVIS) (IF EQUIPPED)

Perform BCM initialization. (NVIS)

>> WORK END

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CONFIGURATION (BCM)

Description INFOID:000000012200725

Vehicle specification needs to be written with CONSULT because it is not written after replacing BCM. Configuration has three functions as follows. (For details, refer to <u>BCS-80</u>, "Work <u>Procedure"</u>.)

Funct	ion	Description				
Read / Write Configuration	Before Replace ECU	Reads the vehicle configuration of current BCM.Saves the read vehicle configuration.				
	After Replace ECU	Writes the vehicle configuration with saved data.				
Manual Configuration		Writes the vehicle configuration with manual selection.				

NOTE:

Manual setting item: Items which need selection by vehicle specifications

Automatic setting item: Items which are written in automatically (Setting cannot be changed)

For some models and specifications, the automatic setting item may not be displayed.

CAUTION:

When replacing BCM, always perform "Re/programming, Configuration" with CONSULT. Or not doing so, BCM control function does not operate normally.

- Complete the procedure of "Read / Write Configuration" in order.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.
- Never perform "Read / Write Configuration" except for new BCM.
- If you set incorrect "Read / Write Configuration", incidents might occur.

Work Procedure

1. WRITING MODE SELECTION

©CONSULT Configuration

Select "Re/programming, Configuration" of BCM.

When writing saved data>>GO TO 2.

When writing manually>>GO TO 3.

2.PERFORM "AFTER REPLACE ECU" OF "READ / WRITE CONFIGURATION"

©CONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration".

>> WORK END

3.PERFORM "MANUAL CONFIGURATION"

(P)CONSULT Configuration

- 1. Select "Manual Configuration".
- Identify the correct model and configuration list. Refer to BCS-81, "Configuration list".
- 3. Confirm and/or change setting value for each item.

CAUTION:

Thoroughly read and understand the vehicle specification. ECU control may not operate normally if the setting is not correct.

NOTE:

If items are not displayed, touch "Next". Refer to <u>BCS-81, "Configuration list"</u> for written items and setting value.

- 4. Touch "Next".
- Touch "OK".

CAUTION:

Make sure to select "OK" even if the indicated configuration of brand new BCM is same as the desirable configuration. If not, configuration which is set automatically by selecting vehicle model cannot be memorized.

Check that the configuration has been successfully written and touch "End".

[WITH INTELLIGENT KEY SYSTEM]

>>	GO	10	J 4.

4. OPERATION CHECK

Confirm that each function controlled by BCM operates normally.

>> WORK END

Configuration list

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CAUTION:

- Thoroughly read and understand the vehicle specification. ECU control may not operate normally if the setting is not correct.
- The "setting value" of this vehicle is as follows: Never select any other value than the setting value shown below. (If there is only 1 item in "setting value" that means that item is the only choice for this certain vehicle.)

SETT	ING ITEM	NOTE
Items	Setting value	NOTE
AUTO LIGHT	WITH ⇔ WITHOUT	WITH: With auto light system WITHOUT: Without auto light system
DTRL	WITHOUT ⇔ MODE1 ⇔ MODE2	WITHOUT: Without daytime running light system MODE1: With daytime running light system (For NISMO models) MODE2: With daytime running light system (Except for NISMO models)
TRANSMISSION	AT with ABS ⇔ MT with ABS	AT with ABS: Except M/T models MT with ABS: M/T models
BCM AC CONTROL	MODE2 ⇔ MODE4	MODE2: Manual air conditioning system MODE4: Automatic air conditioning system
DONGLE	WITH ⇔ WITHOUT	WITH: For Canada models WITHOUT: Except for Canada models
TIRE PRESSURE	230kPa ⇔ 240kPa ⇔ 250kPa	 230kPa: 2WD M/T models 240kPa: AWD models 250kPa: 2WD except M/T models

^{⇔:} Items which confirm vehicle specifications

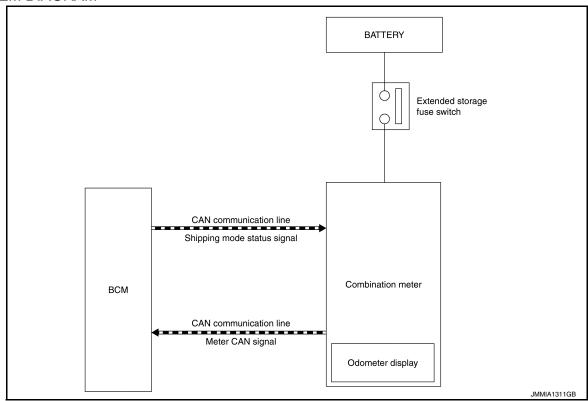
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SHIPPING MODE CANCEL OPERATION

Description INFOID.000000012200728

SYSTEM DIAGRAM



DESCRIPTION

- The combination meter transmits meter CAN signal*1 to BCM via CAN communication, when the extended storage fuse switch is ON.
- BCM switches the status (shipping mode or normal mode) by itself according to the meter CAN signal*¹ from combination meter, and transmits shipping mode status signal to combination meter via CAN communication.
- The combination meter displays extended storage fuse warning message*² on the odometer display, when BCM is in shipping mode.
- BCM control functions are limited in shipping mode. Refer to BCS-93, "Description".
- *1: Odometer signal, wake up signal and each signal.
- *2: When shipping mode function operates, "SHIP→PHASE→On→PUSH→FUSE In" is displayed.

Work Procedure

1. SHIPPING MODE CANCEL OPERATION

- 1. Turn ignition switch OFF.
- Push in (switch on) the extended storage fuse switch. Refer to <u>PG-100, "How To Check"</u>.
- Turn ignition switch ON.
- 4. Turn ignition switch OFF and wait at least 2 seconds.

>> GO TO 2.

2. SHIPPING MODE CANCEL CHECK

- 1. Turn ignition switch ON.
- 2. Check that extended storage fuse warning message is not displayed on odometer display.

>> WORK END

U1000 CAN COMM

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM

Description INFOID:0000000012200730

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to LAN-30, "CAN COMMUNICATION SYSTEM: CAN Communication Signal Chart".

DTC Logic Е INFOID:0000000012200731

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC Detection Condition	Possible cause	
U1000	CAN COMM	When BCM cannot communicate CAN communication signal continuously for 2 seconds or more.	CAN communication system	(

Diagnosis Procedure

INFOID:0000000012200732

1.PERFORM SELF DIAGNOSTIC

- Turn ignition switch ON and wait for 2 seconds or more.
- Check "Self Diagnostic Result" of BCM. 2.

Is DTC "U1000" displayed?

>> Refer to LAN-17, "Trouble Diagnosis Flow Chart". YES

>> Refer to GI-45, "Intermittent Incident". NO

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U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

U1010 CONTROL UNIT (CAN)

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display de- scription	DTC Detection Condition	Possible cause
U1010	CONTROL UNIT (CAN)	BCM detected internal CAN communication circuit malfunction.	BCM

Diagnosis Procedure

INFOID:0000000012200734

1.REPLACE BCM

When DTC "U1010" is detected, replace BCM.

>> Replace BCM. Refer to BCS-94, "Removal and Installation".

U0415 VEHICLE SPEED

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

U0415 VEHICLE SPEED

Description INFOID:0000000012200735

U0415 is displayed if any unusual condition is present in the reception status of the vehicle speed signal from the ABS actuator and electric unit (control unit).

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC Detection Condition	Probable cause
U0415	VEHICLE SPEED	When the vehicle speed signal received from the ABS actuator and electric unit (control unit) remains abnormal for 2 seconds or more.	ABS actuator and electric unit (control unit) BCM

DTC CONFIRMATION PROCEDURE

1.DTC CONFIRMATION

- 1. Erase the DTC.
- 2. Turn ignition switch OFF.
- 3. Perform the "Self Diagnostic Result" of BCM with CONSULT, when passed 2 seconds or more after the ignition switch is turned ON.

Is any DTC detected?

YES >> Refer to BCS-85, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

1. ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SELF-DIAG RESULTS

Perform "Self-Diagnostic Result" of ABS actuator and electric unit (control unit) with CONSULT. Refer to <u>BRC-39</u>, "CONSULT Function" (without EPS), <u>BRC-39</u>, "CONSULT Function" (with EPS).

Is any DTC detected?

YES >> Repair or replace the malfunctioning part.

NO >> Replace BCM. Refer to BCS-94, "Removal and Installation".

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Revision: November 2015 BCS-85 2016 JUKE

B2562 LOW VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

B2562 LOW VOLTAGE

DTC Logic

DTC DETECTION LOGIC

DTC	CONSULT display description	DTC Detection Condition	Possible cause
B2562	LOW VOLTAGE	When the power supply voltage to BCM remains less than 8.8 V for 120 seconds or more	Harness or connector (power supply circuit)

DTC CONFIRMATION PROCEDURE

1.DTC CONFIRMATION

- 1. Erase DTC.
- 2. Turn ignition switch OFF.
- Perform the "Self Diagnostic Result" of BCM with CONSULT, when passed 120 seconds or more after the ignition switch is turned ON.

Is any DTC detected?

YES >> Refer to BCS-86, "Diagnosis Procedure".

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000012200739

1. CHECK POWER SUPPLY CIRCUIT

Check BCM power supply circuit. Refer to BCS-87, "Diagnosis Procedure".

Is the circuit normal?

YES >> Replace BCM. Refer to BCS-94, "Removal and Installation".

NO >> Repair the malfunctioning part.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

POWER SUPPLY AND GROUND CIRCUIT

Diagnosis Procedure

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1. CHECK FUSE AND FUSIBLE LINK

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

Signal name	Fuse and fusible link No.		
Pattery nawer supply	G (40 A)		
Battery power supply	9 (10 A)		

Is the fuse or fusible link blown (open)?

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

NO >> GO TO 2.

2. CHECK POWER SUPPLY CIRCUIT

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

	Terminals						
(+)	(-)	Voltage				
В	CM		(Approx.)				
Connector	Terminal	Ground					
M69	70	Giodila	Pottory voltage				
MO9	57		Battery 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	Terminal	Ground	Continuity
M69	67		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

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COMBINATION SWITCH OUTPUT CIRCUIT

Diagnosis Procedure

1. CHECK OUTPUT 1 - 5 CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect BCM and combination switch connectors.
- 3. Check continuity between BCM harness connector and combination switch harness connector.

System	ВС	CM	Combinat	Continuity		
System	Connector Terminal		Connector	Terminal	Continuity	
OUTPUT 1		36		11		
OUTPUT 2		35		9	Existed	
OUTPUT 3	M68	34	M27	7		
OUTPUT 4		33	•	10		
OUTPUT 5		32	•	13		

Does continuity exist?

YES >> GO TO 2.

NO >> Repair harnesses or connectors.

2. CHECK OUTPUT 1 - 5 CIRCUIT FOR SHORT

Check for continuity between BCM harness connector and ground.

System	В	CM		Continuity	
System	Connector	Terminal		Continuity	
OUTPUT 1		36			
OUTPUT 2		35	Ground		
OUTPUT 3	M68	34		Not existed	
OUTPUT 4		33			
OUTPUT 5		32			

Does continuity exist?

YES >> Repair harnesses or connectors.

NO >> GO TO 3.

3.CHECK BCM OUTPUT VOLTAGE

- 1. Connect BCM connector.
- 2. Check voltage between BCM harness connector and ground.

		Terminals					
System	(-	+)	(-)	Voltage			
System	ВС	CM		(Approx.)			
	Connector Terminal						
OUTPUT 1		36					
OUTPUT 2		35	Cround	(V) 15			
OUTPUT 3		34	Ground	10 5			
OUTPUT 4	M68	33		0			
OUTPUT 5		32		+ 10ms PKIB4960J 7.0 - 8.0 V			

<u>Is the measurement value normal?</u>

COMBINATION SWITCH OUTPUT CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

YES >> Replace combination switch.

NO >> Replace BCM. Refer to <u>BCS-94</u>, "Removal and Installation".

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COMBINATION SWITCH INPUT CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

COMBINATION SWITCH INPUT CIRCUIT

Diagnosis Procedure

INFOID:0000000012200742

[WITH INTELLIGENT KEY SYSTEM]

1. CHECK INPUT 1 - 5 CIRCUIT FOR OPEN

- 1. Turn ignition switch OFF.
- 2. Disconnect BCM and combination switch connectors.
- 3. Check continuity between BCM harness connector and combination switch harness connector.

System	ВС	M	Combinat	Continuity		
System	Connector Terminal		Connector	Terminal	Continuity	
INPUT 1		6		12		
INPUT 2		5		14		
INPUT 3	M68	4	M27	5	Existed	
INPUT 4		3		2		
INPUT 5		2		8		

Does continuity exist?

YES >> GO TO 2.

NO >> Repair harnesses or connectors.

2.CHECK INPUT 1 - 5 CIRCUIT FOR SHORT

Check for continuity between BCM harness connector and ground.

System	В	CM		Continuity
System	Connector	Terminal		Continuity
INPUT 1		6		
INPUT 2		5	Ground	
INPUT 3	M68	4		Not existed
INPUT 4		3		
INPUT 5		2		

Does continuity exist?

YES >> Repair harnesses or connectors.

NO >> GO TO 3.

3. CHECK BCM INPUT SIGNAL

- 1. Connect BCM and combination switch connectors.
- 2. Turn ON any switch in the system that is malfunction.
- Check voltage between BCM harness connector and ground.

		Terminals	3			
System	(+	-)	(-)	Voltage		
System	BC	CM		(Approx.)		
	Connector	Terminal				
INPUT 1		6				
INPUT 2		5	Ground	Refer to BCS- 39, "Refer- ence Value".		
INPUT 3	M68	4				
INPUT 4		3				
INPUT 5		2				

Is the measurement value normal?

Yes >> Replace BCM. Refer to BCS-94, "Removal and Installation".

COMBINATION SWITCH INPUT CIRCUIT

[WITH INTELLIGENT KEY SYSTEM] < DTC/CIRCUIT DIAGNOSIS > >> Replace combination switch. Α В С D Е F G Н J

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COMBINATION SWITCH SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

SYMPTOM DIAGNOSIS

COMBINATION SWITCH SYSTEM SYMPTOMS

Symptom Table

- 1. Perform "Data Monitor" of CONSULT to check for any malfunctioning item.
- 2. Check the malfunction combinations.

Malfunction item: x

	Data monitor item																
FR WIPER HI	FR WIPER LOW	FR WASHER SW	FR WIPER INT	RR WIPER ON	RR WIPER INT	RR WASHER SW	INT VOLUME	TURN SIGNAL R	TURN SIGNAL L	TAIL LAMP SW	HI BEAM SW	HEAD LAMP SW 1	HEAD LAMP SW 2	PASSING SW	AUTO LIGHT SW	FR FOG SW	Malfunc- tion com- bination
	×	×						×	×								Α
×			×									×		×			В
						×	×				×		×				С
					×		×			×					×		D
				×			×									×	Е
×					×		×										F
		×		×		×	×										G
	×		×												×		Н
									×				×	×		×	I
								×		×	×	×					J
	All Items							К									
	If only one item is detected or the item is not applicable to the combinations A to K								L								

3. Identify the malfunctioning part from the agreed combination and repair or replace the part.

Malfunction combination	Malfunctioning part	Repair or replace
Α	Combination switch OUTPUT 1 circuit	
В	Combination switch OUTPUT 2 circuit	
С	Combination switch OUTPUT 3 circuit	Inspect the combination switch output circuit applicable to the malfunctioning part. Refer to BCS-88, "Diagnosis Procedure".
D	Combination switch OUTPUT 4 circuit	ing part. (Color to <u>Doc oc. Dragnosio i recognic</u> .
Е	Combination switch OUTPUT 5 circuit	
F	Combination switch INPUT 1 circuit	
G	Combination switch INPUT 2 circuit	
Н	Combination switch INPUT 3 circuit	Inspect the combination switch input circuit applicable to the malfunctioning part. Refer to BCS-90, "Diagnosis Procedure".
ļ	Combination switch INPUT 4 circuit	- Park 1 (013) (0 <u>200 00, 2 (ag. 1000 1) (000 ag. 10</u>
J	Combination switch INPUT 5 circuit	
K	BCM	Replace BCM. Refer to BCS-94, "Removal and Installation".
L	Combination switch	Replace combination switch.

NORMAL OPERATING CONDITION

< SYMPTOM DIAGNOSIS >

[WITH INTELLIGENT KEY SYSTEM]

NORMAL OPERATING CONDITION

Description INFOID:000000012200744

SHIPPING MODE

- Shipping mode inhibits battery power consumption during transportation or storage of the vehicle. Vehicle is set to shipping mode before being shipped from the factory.
- When ignition switch is OFF, BCM operates shipping mode.
- BCM control functions are limited in shipping mode. The limited items that are not operated during the shipping mode are as follows.
- Door lock and unlock switch function
- Remote keyless entry function
- Theft warning alarm function
- Lighting & turn signal switch function
- Interior room lamp timer control function
- For shipping mode cancel operation, refer to <u>BCS-82, "Description"</u>.

NOTE:

Do not cancel shipping mode during storage of the vehicle. Always cancel shipping mode before delivery of the vehicle to customer.

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REMOVAL AND INSTALLATION

BCM

Removal and Installation

INFOID:0000000012200745

CAUTION:

Before replacing BCM, perform "Before Replace ECU" of "Read / Write Configuration" to save or print current vehicle specification. Refer to <u>BCS-79</u>, "<u>Description</u>".

REMOVAL

- 1. Remove instrument lower panel. Refer to <u>IP-13, "Removal and Installation"</u>.
- 2. Remove harness clip.
- 3. Remove BCM mounting screws.
- 4. Remove BCM and disconnect the connectors.
- 5. Remove relays and relay mounting bracket from BCM.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

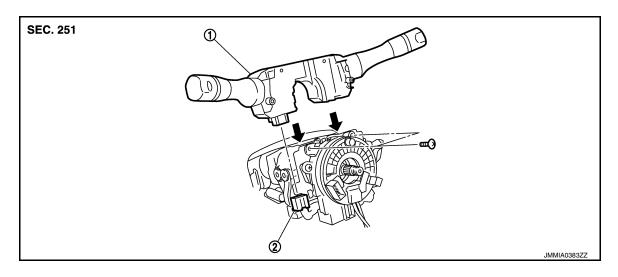
Be sure to perform "Manual Configuration" or "After Replace ECU" of "Read / Write Configuration" when replacing BCM. Refer to BCS-79, "Description".

NOTE:

Be sure to perform the system initialization (NVIS) when replacing BCM. Refer to BCS-79, "Work Procedure".

COMBINATION SWITCH

Exploded View



1. Combination switch

2. Combination switch connector

Removal and Installation

REMOVAL

- 1. Remove steering column cover. Refer to IP-13, "Removal and Installation".
- 2. Remove screws.
- 3. Disconnect the connector.
- 4. Pull up the combination switch to remove it.

INSTALLATION

Install in the reverse order of removal.

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