

SECTION **WCS**

WARNING CHIME SYSTEM

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DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

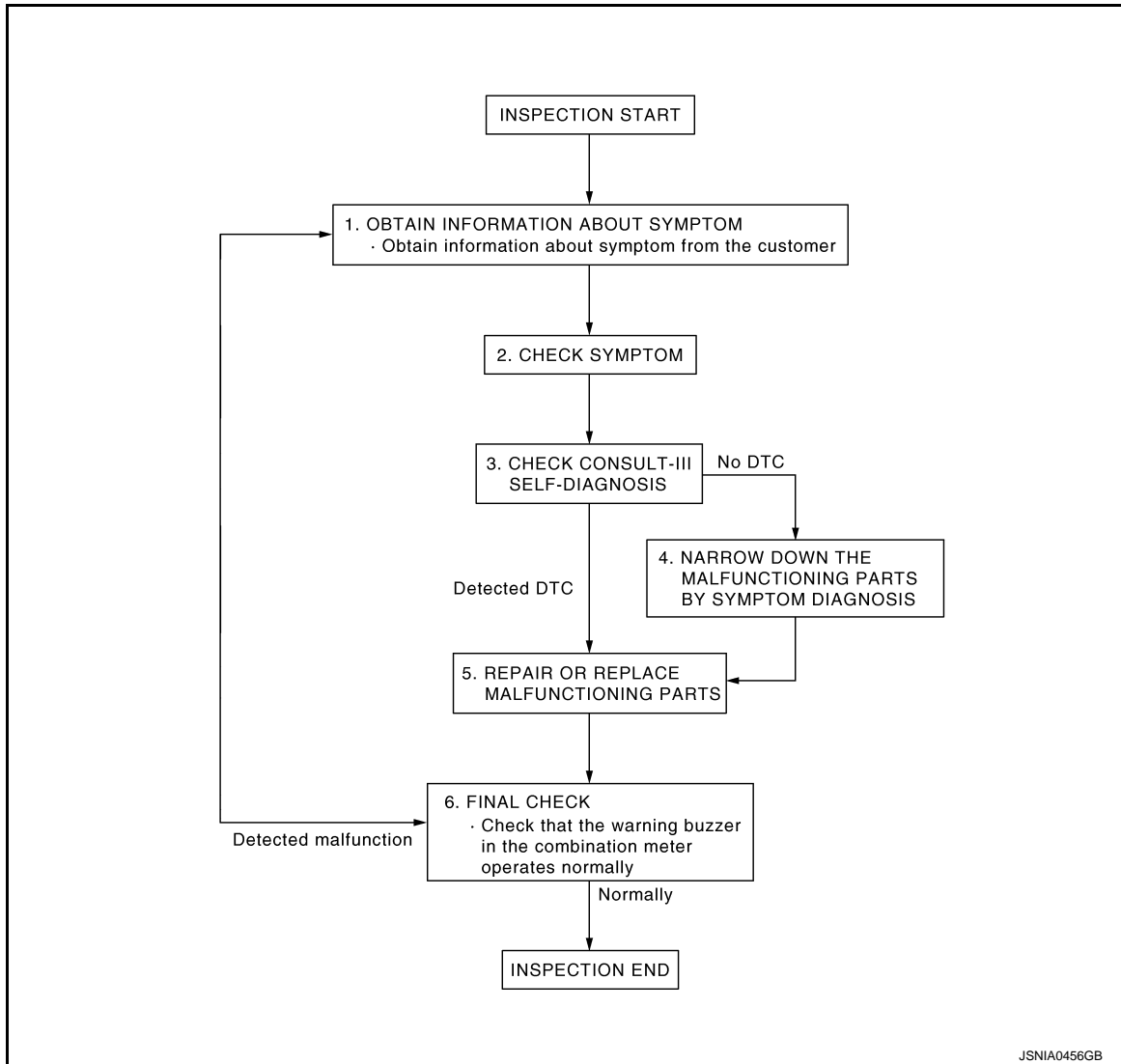
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:000000005524964

OVERALL SEQUENCE



DETAILED FLOW

1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much information as possible about the conditions and environment under which the malfunction occurred.

>> GO TO 2.

2.CHECK SYMPTOM

- Check the symptom based on the information obtained from the customer.
- Check if any other malfunctions are present.

>> GO TO 3.

3.CHECK CONSULT-III SELF-DIAGNOSIS RESULTS

Connect CONSULT-III and perform self-diagnosis. Refer to [MWI-34, "CONSULT-III Function \(METER/M&A\)"](#).

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DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

Are self-diagnosis results normal?

YES >> GO TO 4.

NO >> GO TO 5.

4.NARROW DOWN MALFUNCTIONING PARTS BY SYMPTOM DIAGNOSIS

Perform symptom diagnosis and narrow down the malfunctioning parts.

>> GO TO 5.

5.REPAIR OR REPLACE MALFUNCTIONING PARTS

Repair or replace malfunctioning parts.

NOTE:

If DTC is displayed, erase DTC after repairing or replacing malfunctioning parts.

>> GO TO 6.

6.FINAL CHECK

Check that the warning buzzer in the combination meter operates normally.

Does it operate normally?

YES >> INSPECTION END

NO >> GO TO 1.

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

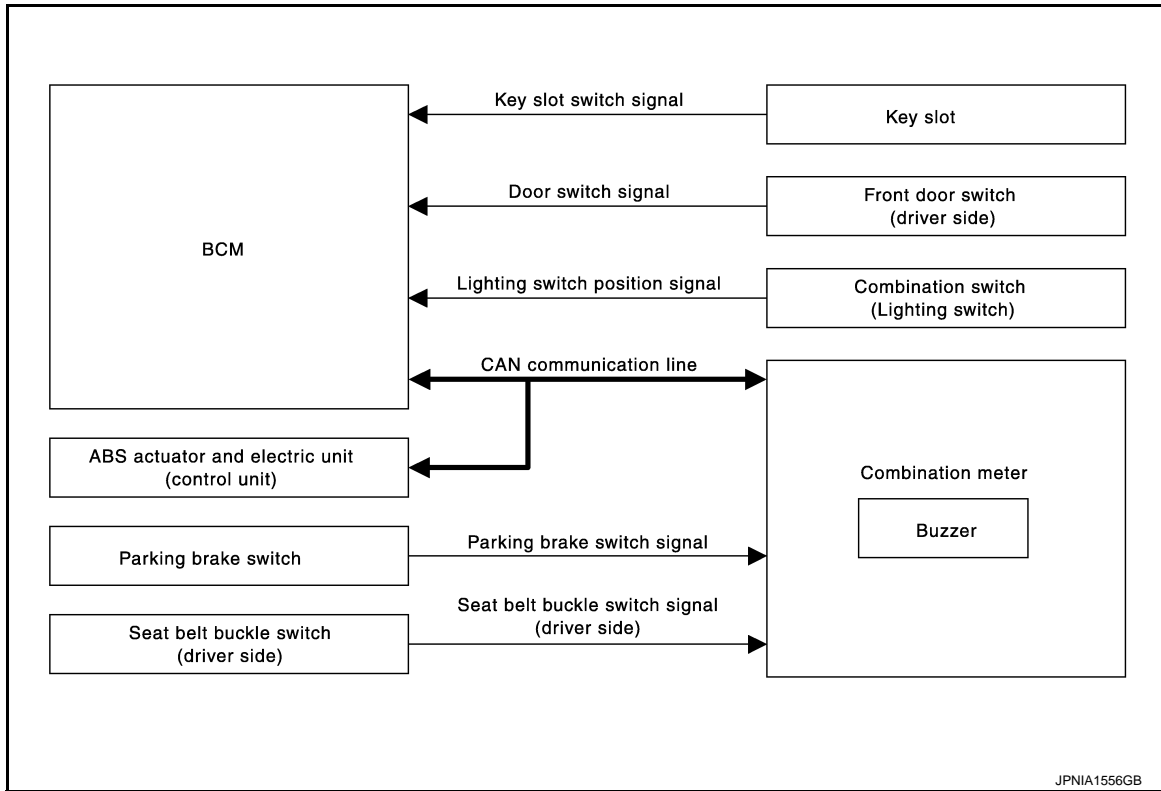
SYSTEM DESCRIPTION

WARNING CHIME SYSTEM

WARNING CHIME SYSTEM

WARNING CHIME SYSTEM : System Diagram

INFOID:000000000524965

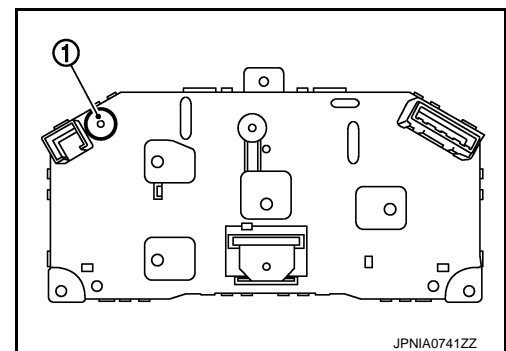


WARNING CHIME SYSTEM : System Description

INFOID:000000000524966

COMBINATION METER

- The buzzer (1) for the warning chime system is integrated in the combination meter.
- The combination meter sounds the alarm buzzer installed in the combination meter when receiving the buzzer output signal transmitted from each unit.



BCM

BCM receives signals from various units and transmits a buzzer output signal to the combination meter via CAN communication if it judges that the warning buzzer should be activated.

BCM Warning Function List

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WARNING CHIME SYSTEM

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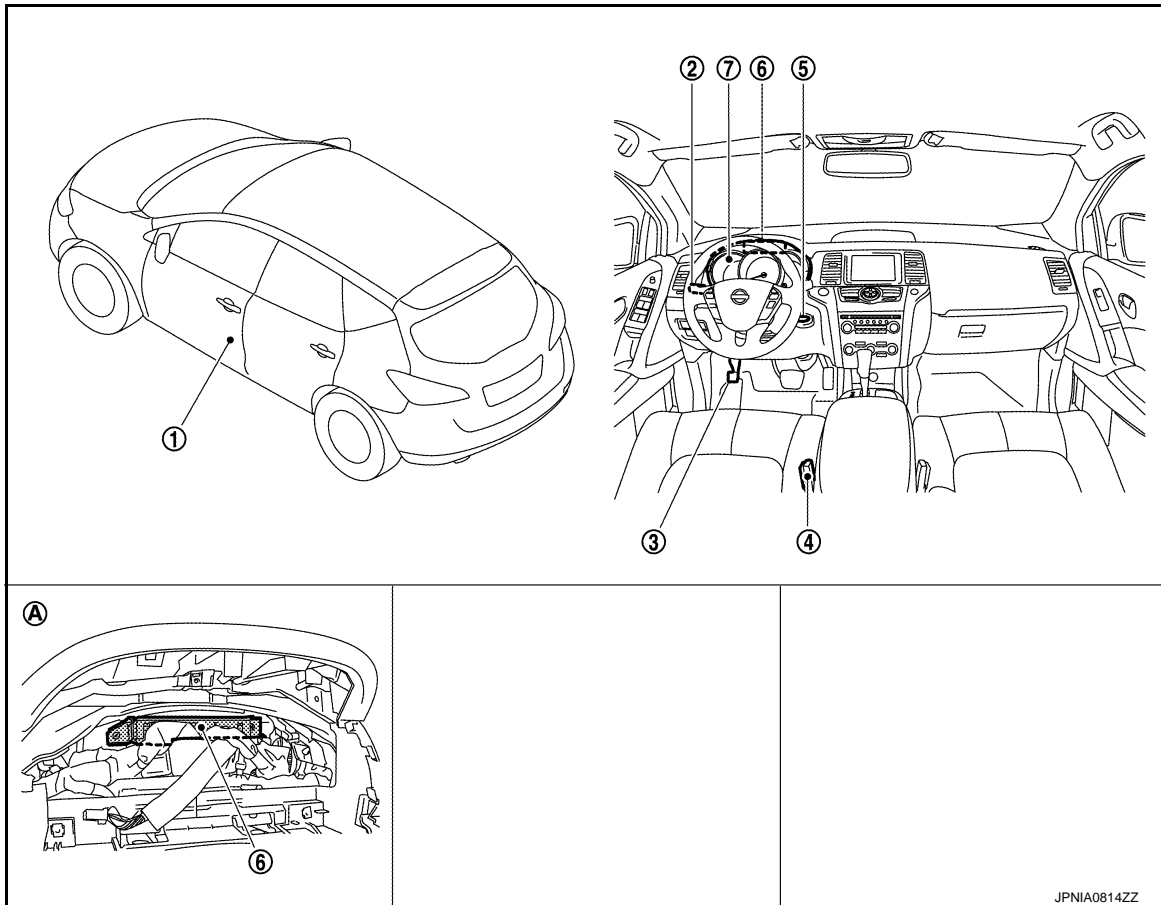
Warning functions	Signal name
Light reminder warning chime	<ul style="list-style-type: none"> • Ignition switch signal • Lighting switch position signal • Door switch signal (driver side)
Seat belt warning chime	<ul style="list-style-type: none"> • Ignition switch signal • Seat belt buckle switch signal (driver side)
Key warning chime	<ul style="list-style-type: none"> • Ignition signal • Key slot switch signal • Door switch signal (driver side)

NOTE:

Parking brake release warning chime is detected by combination meter.

WARNING CHIME SYSTEM : Component Parts Location

INFOID:000000005524967



- | | | |
|--|---|------------------|
| 1. Front door switch (driver side) | 2. Combination switch (Lighting switch) | 3. Parking brake |
| 4. Seat belt buckle switch (driver side) | 5. Key slot | 6. BCM |
| 7. Combination meter | | |
| A. Behind the combination meter | | |

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

WARNING CHIME SYSTEM : Component Description

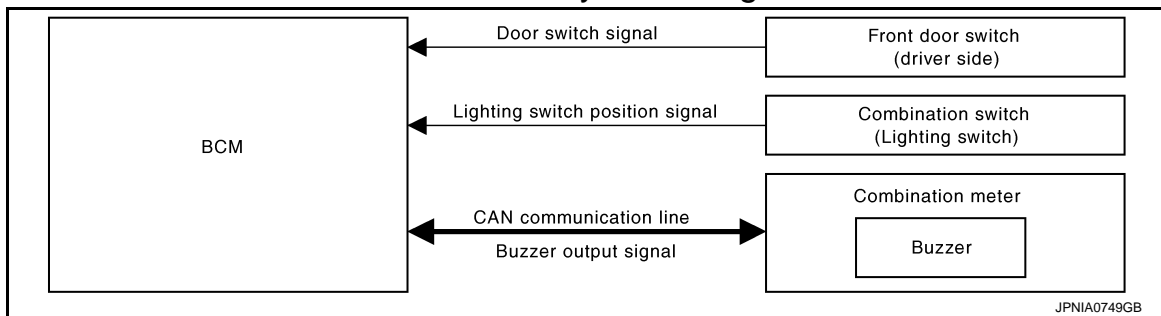
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Unit	Description
Combination meter	<ul style="list-style-type: none"> Receives a buzzer output signal from the BCM with CAN communication line and sounds the buzzer. Judges whether the parking brake is released from the vehicle speed signal received from the ABS actuator and electric unit (control unit) with CAN communication line and the parking brake switch signal from the parking brake switch, and sounds the buzzer if necessary. Receives the seat belt buckle switch signal (driver side) from the seat belt buckle switch (driver side) and transmits it to BCM with CAN communication line.
BCM	Transmits signals provided by various units to the combination meter with CAN communication line.
ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to combination meter with CAN communication line.
Seat belt buckle switch (driver side)	Transmits a seat belt buckle switch signal (driver side) to the combination meter.
Combination switch (Lighting switch)	Transmits the lighting switch position signal to BCM.
Front door switch (driver side)	Transmits the door switch signal (driver side) to BCM.
Parking brake switch	Refer to MWI-53, "Description" .
Key slot	Transmits the key slot switch signal to BCM.

LIGHT REMINDER WARNING CHIME

LIGHT REMINDER WARNING CHIME : System Diagram

INFOID:000000005524969



LIGHT REMINDER WARNING CHIME : System Description

INFOID:000000005524970

DESCRIPTION

With ignition switch in the OFF or ACC position, when the driver door is open and the lighting switch is the 1st or 2nd position, the light warning chime will sound.

- BCM detects ignition switch in the OFF or ACC position, front door switch (driver side) ON, and lighting switch in 1st or 2nd position. Then the BCM transmits the buzzer output signal (light reminder warning chime) to combination meter with CAN communication line.
- When combination meter receives buzzer output signal (light reminder warning chime), it sounds the buzzer.

WARNING OPERATION CONDITIONS

If all of the following conditions are fulfilled.

- Ignition switch is in the OFF or ACC
- Lighting switch is in the 1st or 2nd position
- Front door switch (driver side) is ON

WARNING CANCEL CONDITIONS

Warning is canceled if any of the following conditions is fulfilled.

- Lighting switch OFF
- Ignition switch ON
- Front door switch (driver side) is OFF

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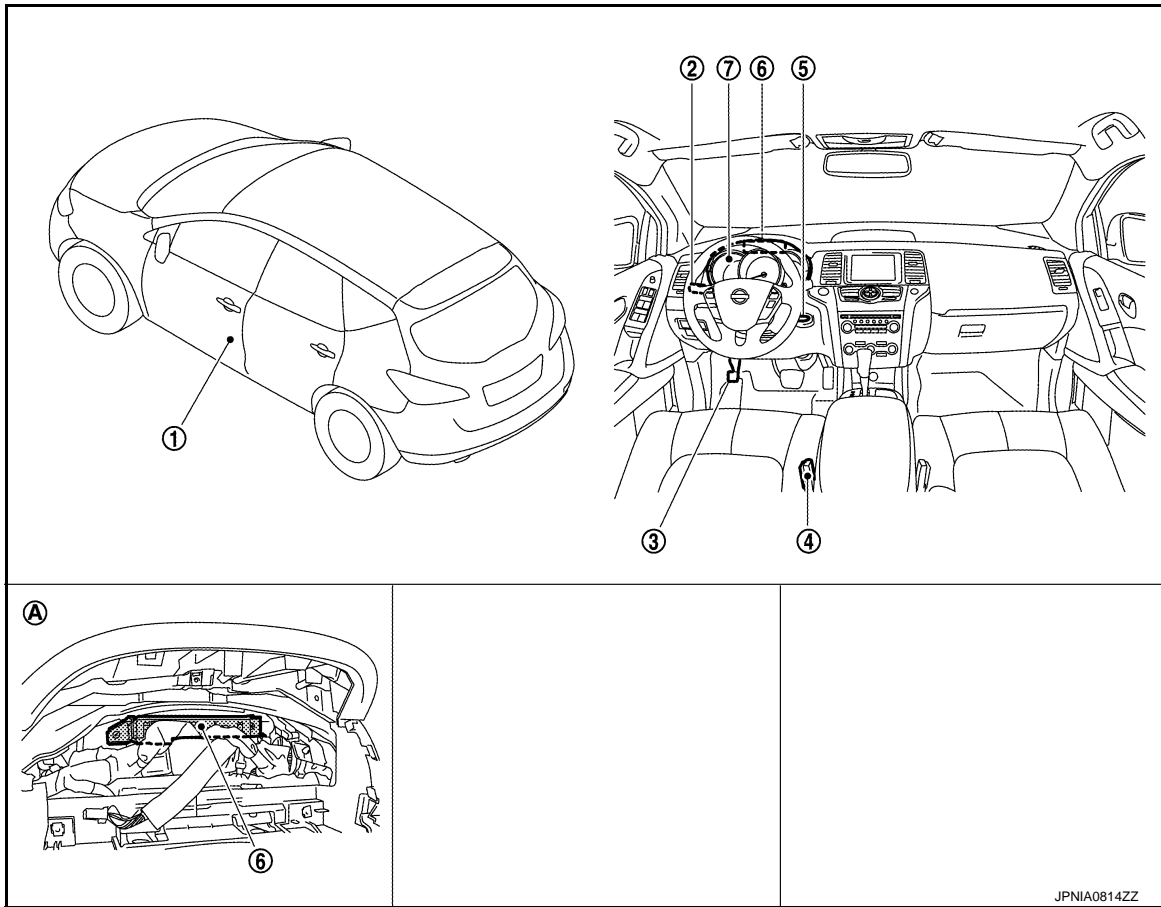
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

LIGHT REMINDER WARNING CHIME : Component Parts Location

INFOID:00000000524971



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| 1. Front door switch (driver side) | 2. Combination switch (Lighting switch) | 3. Parking brake |
| 4. Seat belt buckle switch (driver side) | 5. Key slot | 6. BCM |
| 7. Combination meter | | |
| A. Behind the combination meter | | |

LIGHT REMINDER WARNING CHIME : Component Description

INFOID:00000000524972

Unit	Description
Combination meter	Receives a buzzer output signal from the BCM and sounds the buzzer.
BCM	Judges the light warning conditions from the signals provided by various switches and transmits a buzzer output signal to the combination meter via CAN communication line if necessary.
Combination switch (Lighting switch)	Transmits the lighting switch position signal to BCM.
Front door switch (driver side)	Transmits the door switch signal (driver side) to BCM.

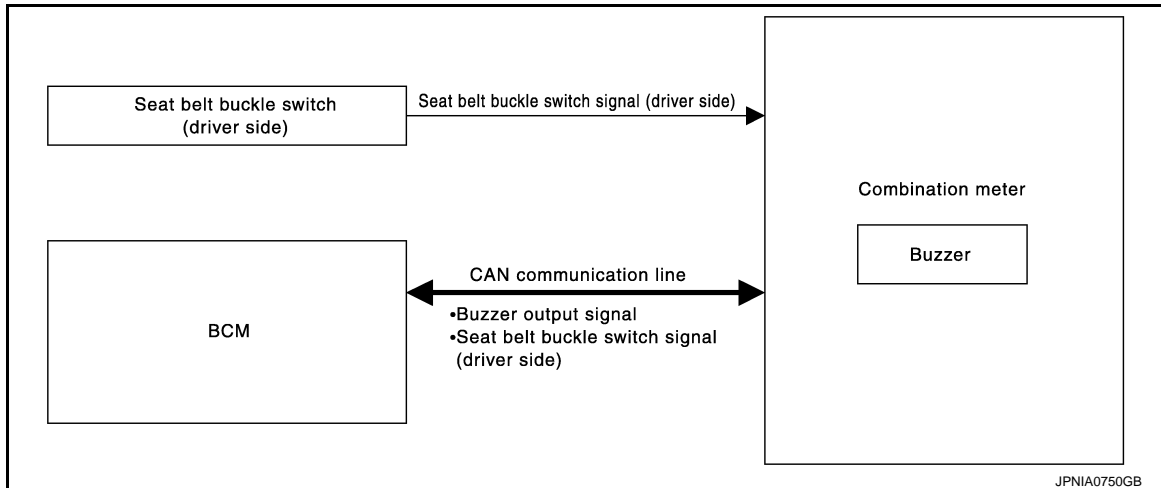
SEAT BELT WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

SEAT BELT WARNING CHIME : System Diagram

INFOID:000000000524973



SEAT BELT WARNING CHIME : System Description

INFOID:000000000524974

DESCRIPTION

With ignition switch turned ON and driver seat belt unfastened, seat belt warning chime will sound for approximately 6 seconds.

- The combination meter receives the seat belt buckle switch signal (driver side) from seat belt buckle switch (driver side) and transmits it to the BCM via CAN communication.
- The BCM receives seat belt buckle switch signal (driver side) from combination meter via CAN communication.
- The BCM detects seat belt reminder warning based on the received signal and transmits the buzzer output signal to combination meter via CAN communication.
- The combination meter receives the buzzer output signal from BCM via CAN communication and sounds the warning buzzer.

WARNING OPERATION CONDITIONS

If all of the following conditions are fulfilled, the warning buzzer will sound.

- Ignition switch ON
- Seat belt buckle switch (driver side) is ON (driver seat belt not fastened)

WARNING CANCEL CONDITIONS

Warning is canceled if any of the following conditions are fulfilled.

- Ignition switch OFF
- Seat belt buckle switch (driver side) is OFF (driver seat belt fastened)

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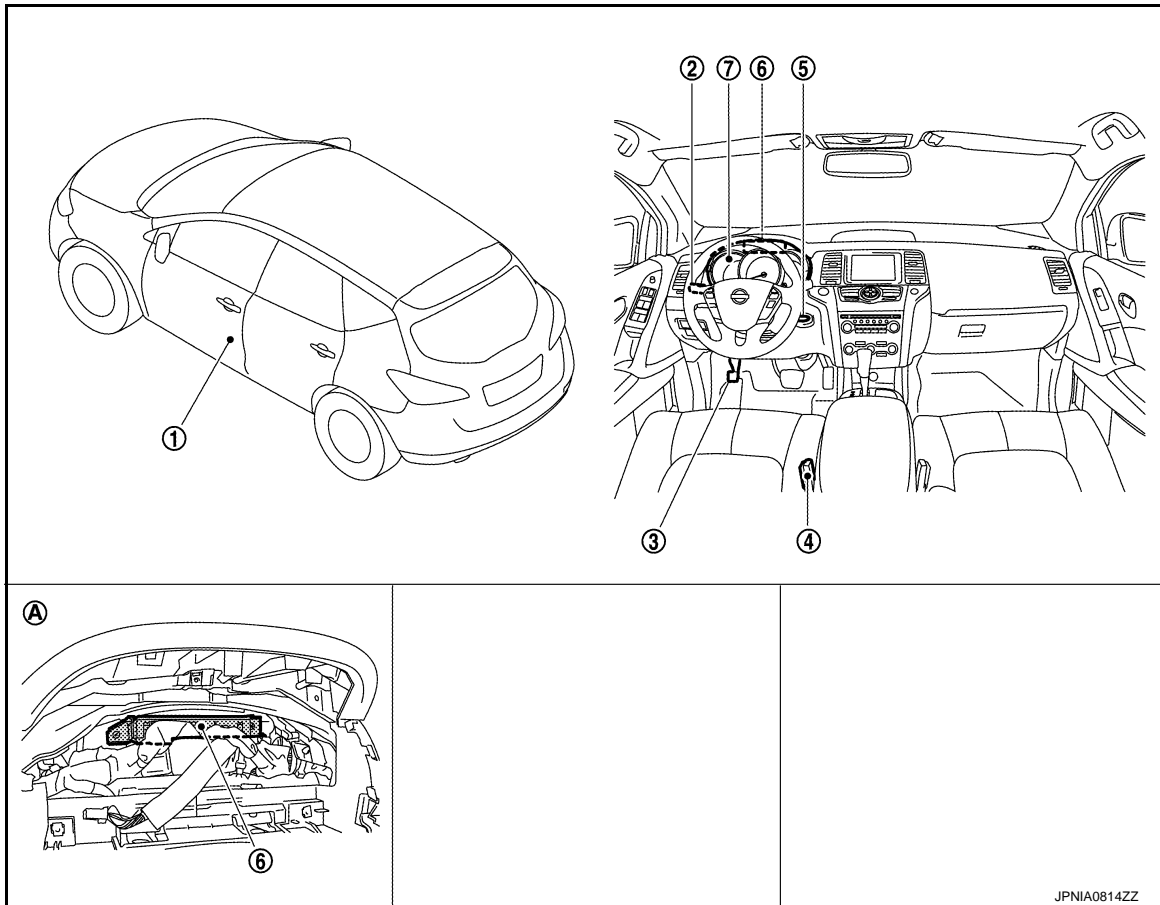
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WARNING CHIME SYSTEM

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SEAT BELT WARNING CHIME : Component Parts Location

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| 1. Front door switch (driver side) | 2. Combination switch (Lighting switch) | 3. Parking brake |
| 4. Seat belt buckle switch (driver side) | 5. Key slot | 6. BCM |
| 7. Combination meter | | |
| A. Behind the combination meter | | |

SEAT BELT WARNING CHIME : Component Description

INFOID:000000005524976

Unit	Description
Combination meter	<ul style="list-style-type: none"> Receives the seat belt buckle switch signal (driver side) from the seat belt buckle switch (driver side) and transmits it to BCM via CAN communication line. Receives a buzzer output signal from the BCM and sounds the buzzer.
BCM	Judges the seat belt warning condition according to the seat belt buckle switch signal (driver side) received from the combination meter via CAN communication and transmits a buzzer output signal to the combination meter via CAN communication line if necessary.
Seat belt buckle switch (driver side)	Transmits the seat belt buckle switch signal (driver side) to the combination meter.

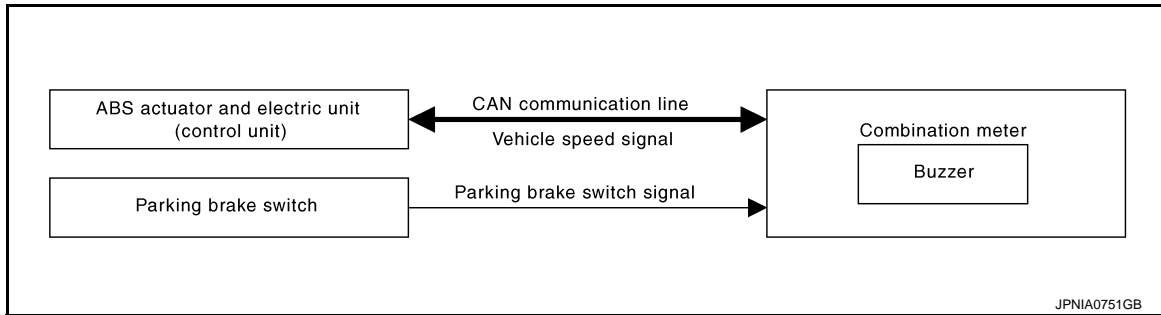
PARKING BRAKE RELEASE WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

PARKING BRAKE RELEASE WARNING CHIME : System Diagram

INFOID:000000000524977



PARKING BRAKE RELEASE WARNING CHIME : System Description

INFOID:000000000524978

DESCRIPTION

Parking brake release warning chime judges the remaining parking brake according to the vehicle speed signal received from the ABS actuator and electric unit (control unit) via CAN communication and the parking brake switch signal from parking brake switch to sound the warning buzzer.

WARNING OPERATION CONDITIONS

If all of the following conditions are fulfilled.

- Vehicle speed is 7 km/h (4.3 MPH) or higher
- Parking brake switch ON

WARNING CANCEL CONDITIONS

Warning is canceled if any of the following conditions are fulfilled.

- Vehicle speed is approximately 3 km/h (1.9 MPH) or less
- Parking brake switch OFF

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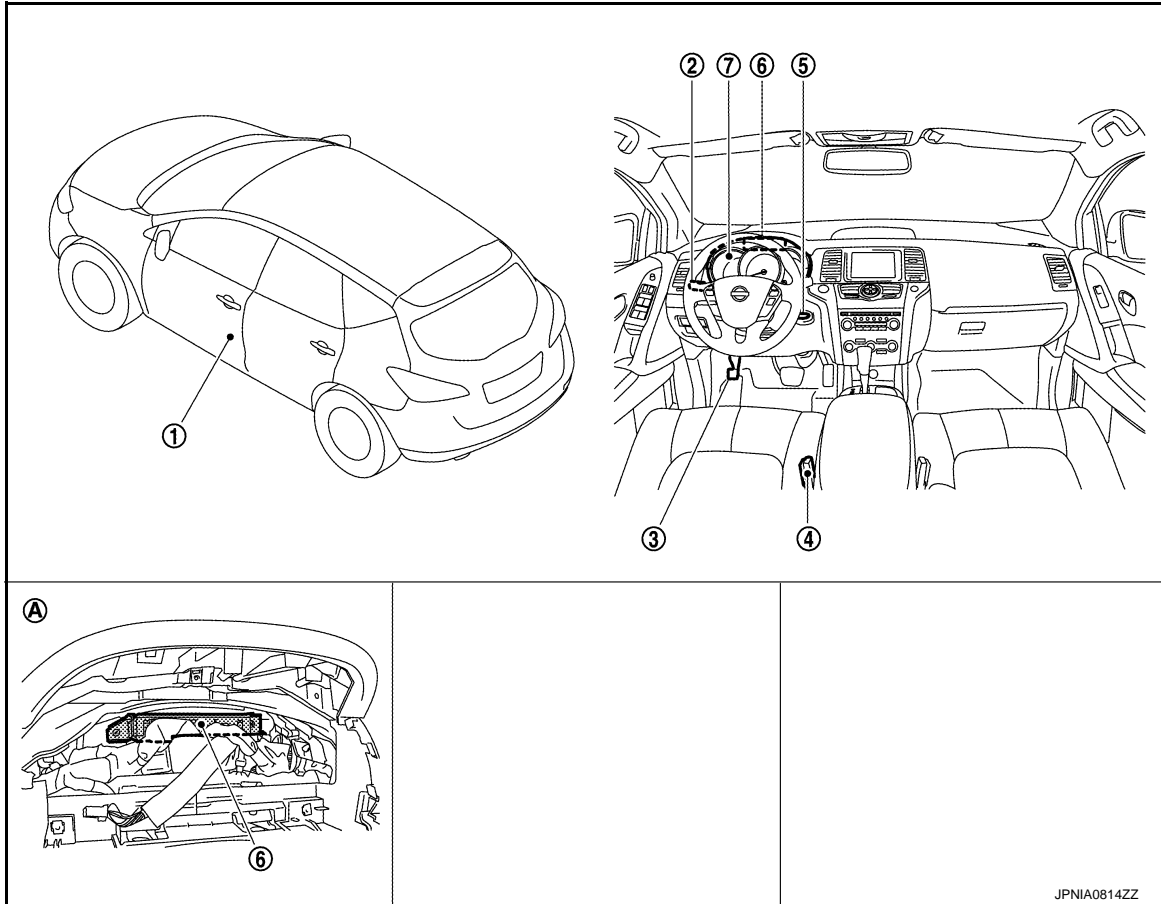
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

PARKING BRAKE RELEASE WARNING CHIME : Component Parts Location

INFOID:000000005524979



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|--|---|------------------|
| 1. Front door switch (driver side) | 2. Combination switch (Lighting switch) | 3. Parking brake |
| 4. Seat belt buckle switch (driver side) | 5. Key slot | 6. BCM |
| 7. Combination meter | | |
| A. Behind the combination meter | | |

PARKING BRAKE RELEASE WARNING CHIME : Component Description

INFOID:000000005524980

Unit	Description
Combination meter	Judges the remaining parking brake according to the vehicle speed signal received from the ABS actuator and electric unit (control unit) via CAN communication and the parking brake switch signal from parking brake switch and sounds the warning buzzer.
ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the combination meter via CAN communication.
Parking brake switch	Transmits the parking brake switch signal to the combination meter.

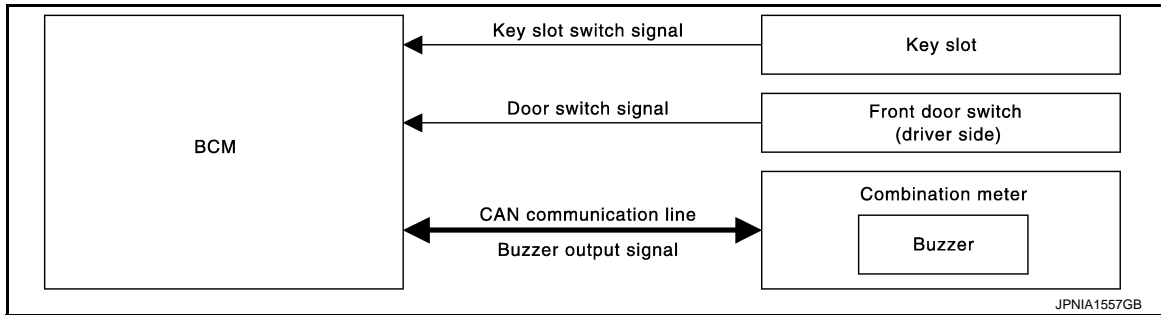
KEY WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

KEY WARNING CHIME : System Diagram

INFOID:000000000524981



KEY WARNING CHIME : System Description

INFOID:000000000524982

DESCRIPTION

- BCM detects key warning according to the input of ignition switch, key slot switch signal and door switch (driver side) signal and transmits the buzzer output signal via CAN communication.
- The combination meter receives the buzzer output signal from BCM and sounds the warning buzzer.

WARNING OPERATION CONDITIONS

If all of the following conditions are fulfilled, the chime will sound.

- Other than ignition switch ON
- Key switch ON (keyfob is inserted in key slot)
- Front door switch (driver side) ON

WARNING CANCEL CONDITIONS

Warning canceled if any of the following conditions are fulfilled.

- Ignition switch ON
- Key switch OFF (keyfob is not inserted in key slot)
- Front door switch (driver side) OFF

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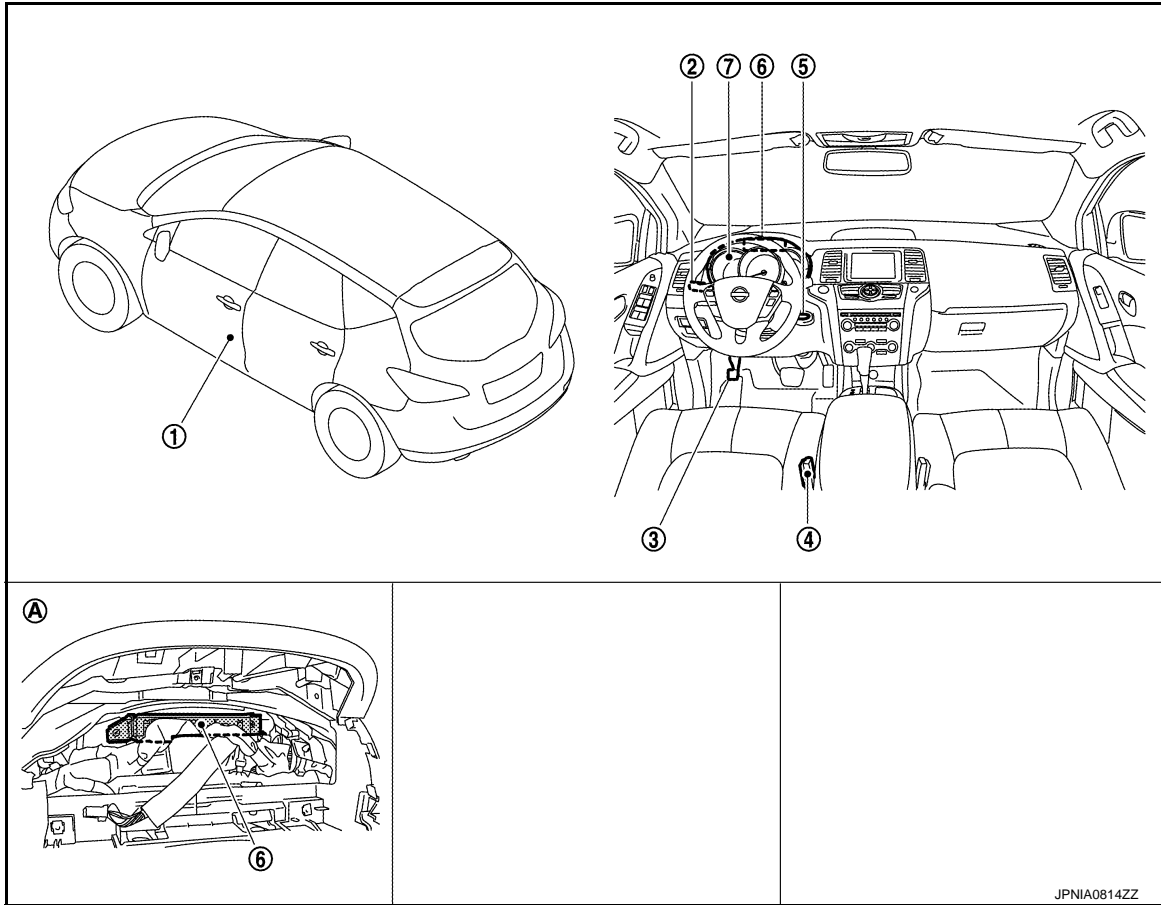
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

KEY WARNING CHIME : Component Parts Location

INFOID:00000000524983



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| 1. Front door switch (driver side) | 2. Combination switch (Lighting switch) | 3. Parking brake |
| 4. Seat belt buckle switch (driver side) | 5. Key slot | 6. BCM |
| 7. Combination meter | | |
| A. Behind the combination meter | | |

KEY WARNING CHIME : Component Description

INFOID:00000000524984

Unit	Description
Combination meter	Sounds the warning buzzer according to the buzzer output signal received from BCM via CAN communication.
BCM	Judges key warning according to the door switch signal (driver side) from the front door switch (driver side) and the key slot switch signal from the key slot and transmits the buzzer output signal to the combination meter via CAN communication.
Front door switch (driver side)	Transmits the door switch signal (driver side) to BCM.
Key slot	Transmits the key slot switch signal to BCM.

DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (METER)

CONSULT-III Function (METER/M&A)

INFOID:000000005688792

CONSULT-III APPLICATION ITEMS

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

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

SELF DIAG RESULT

Refer to [MWI-76, "DTC Index"](#).

DATA MONITOR

Display Item List

X: Applicable

Display item [Unit]	MAIN SIGNALS	Description
SPEED METER [km/h]	X	Value of vehicle speed signal received from ABS actuator and electric unit (control unit) via CAN communication. NOTE: 655.35 is displayed when the malfunction signal is received.
SPEED OUTPUT [km/h]	X	Vehicle speed signal value transmitted to other units via CAN communication. NOTE: 655.35 is displayed when the malfunction signal is received.
ODO OUTPUT [km/h or mph]		Odometer signal value transmitted to other units via CAN communication.
TACHO METER [rpm]	X	Value of the engine speed signal received from ECM via CAN communication. NOTE: 8191.875 is displayed when the malfunction signal is received.
FUEL METER [L]	X	Fuel level indicated on combination meter.
W TEMP METER [°C]	X	Value of engine coolant temperature signal is received from ECM via CAN communication. NOTE: 215 is displayed when the malfunction signal is input.
ABS W/L [On/Off]		Status of ABS warning lamp detected from ABS warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.
VDC/TCS IND [On/Off]		Status of VDC OFF indicator lamp detected from VDC OFF indicator lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.
SLIP IND [On/Off]		Status of SLIP indicator lamp detected from slip indicator lamp signal received from ABS actuator and electric unit (control unit) via CAN communication.
BRAKE W/L [On/Off]		Status of brake warning lamp detected from brake warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication. NOTE: Displays "Off" if the brake warning lamp is illuminated when the valve check starts, the parking brake switch is turned ON or the brake fluid level switch is turned ON.
DOOR W/L [On/Off]		Status of door warning detected from door switch signal received from BCM via CAN communication.
HI-BEAM IND [On/Off]		Status of high beam indicator lamp detected from high beam request signal is received from BCM via CAN communication.
TURN IND [On/Off]		Status of turn indicator lamp detected from turn indicator signal is received from BCM via CAN communication.



DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

Display item [Unit]	MAIN SIGNALS	Description
LIGHT IND [On/Off]		Status of light indicator lamp detected from position light request signal is received from BCM via CAN communication.
OIL W/L [On/Off]		Status of oil pressure warning lamp detected from oil pressure switch signal is received from BCM via CAN communication.
MIL [On/Off]		Status of malfunction indicator lamp detected from malfunctioning indicator lamp signal is received from ECM via CAN communication.
CRUISE IND [On/Off]		Status of CRUISE indicator detected from ASCD status signal is received from ECM via CAN communication.
O/D OFF IND [On/Off]		Status of O/D OFF indicator detected from O/D OFF indicator signal is received from CVT shift selector.
4WD W/L [On/Off]		Status of AWD warning lamp detected from AWD warning lamp signal is received from AWD control unit via CAN communication.
4WD LOCK IND [On/Off]		Status of AWD LOCK warning lamp detected from AWD LOCK warning lamp signal is received from AWD control unit via CAN communication.
FUEL W/L [On/Off]		Low-fuel warning lamp status detected by the identified fuel level.
WASHER W/L [On/Off]		Status of washer warning lamp judged from washer level switch input to combination meter.
AIR PRES W/L [On/Off]		Status of low tire pressure warning lamp detected from tire pressure signal is received from BCM via CAN communication.
KEY G/W W/L [On/Off]		Status of key warning lamp (G/Y) detected from key warning signal is received from BCM via CAN communication.
LCD [B&P N, B&P I, ID NG, ROTAT, SFT P, INSRT, BATT, NO KY, OUTKY, LK WN]		Displays status of Intelligent Key system warning detected from meter display signal is received from BCM via CAN communication.
SHIFT IND [P, R, N, D, L]		Status of shift position indicator detected from shift position signal is received from TCM via CAN communication.
O/D OFF SW [On/Off]		Status of O/D OFF switch.
M RANGE SW [Off]		This item is displayed, but cannot be monitored.
NM RANGE SW [Off]		This item is displayed, but cannot be monitored.
AT SFT UP SW [Off]		This item is displayed, but cannot be monitored.
AT SFT DWN SW [Off]		This item is displayed, but cannot be monitored.
ST SFT UP SW [Off]		This item is displayed, but cannot be monitored.
ST SFT DWN SW [Off]		This item is displayed, but cannot be monitored.
PKB SW [On/Off]		Status of parking brake switch.
BUCKLE SW [On/Off]		Status of seat belt buckle switch (driver side).
BRAKE OIL SW [On/Off]		Status of brake fluid level switch.
DISTANCE [km]		Value of possible driving distance calculated by combination meter.
A/C AMP CONN [On/Off]		Status of A/C auto amp. connection recognition signal.

DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

Display item [Unit]	MAIN SIGNALS	Description
ENTER SW [On/Off]		Status of  (ENTER) switch.
SELECT SW [On/Off]		Status of  (SELECT) switch.
OUTSIDE TEMP [°C or °F]		Ambient air temperature value converted from ambient sensor signal received from ambient sensor. NOTE: This may not match with the temperature value indicated on the information display. (Because the information display value is a corrected value from the ambient sensor input value.)
FUEL LOW SIG [On/Off]		Status of fuel level low warning signal to output to AV control unit via CAN communication.
BUZZER [On/Off]	X	Buzzer status (in the combination meter) is detected from the buzzer output signal received from each unit via CAN communication and the warning output condition of the combination meter.

NOTE:

Some items are not available according to vehicle specification.

SPECIAL FUNCTION

Special menu

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

W/L ON HISTORY

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

NOTE:

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

Display Item

Display item	Description
ABS W/L	Lighting history of ABS warning lamp.
VDC/TCS IND	Lighting history of VDC OFF indicator lamp.
SLIP IND	Lighting history of SLIP indicator lamp.
BRAKE W/L	Lighting history of brake warning lamp.
DOOR W/L	Lighting history of door warning.
TRUNK/GLAS-H	This item is displayed, but cannot be monitored.
OIL W/L	Lighting history of oil pressure warning lamp.
C-ENG W/L	Lighting history of malfunction indicator lamp.
C-ENG2 W/L	This item is displayed, but cannot be monitored.
CRUISE IND	Lighting history of CRUISE indicator lamp.
SET IND	Lighting history of SET indicator.
CRUISE W/L	This item is displayed, but cannot be monitored.
BA W/L	This item is displayed, but cannot be monitored.

DIAGNOSIS SYSTEM (METER)

< SYSTEM DESCRIPTION >

Display item	Description
O/D OFF IND	Lighting history of O/D OFF indicator lamp.
ATC/T-AMT W/L	This item is displayed, but cannot be monitored.
ATF TEMP W/L	This item is displayed, but cannot be monitored.
CVT IND	This item is displayed, but cannot be monitored.
SPORT IND	This item is displayed, but cannot be monitored.
4WD W/L	Lighting history of AWD warning lamp.
FUEL W/L	Lighting history of low fuel level warning.
WASHER W/L	Lighting history of low washer fluid warning
AIR PRES W/L	Lighting history of low tire pressure warning lamp.
KEY G/Y W/L	Lighting history of key warning lamp (green/yellow).
KEY R W/L	Lighting history of key warning lamp (red).
KEY KNOB W/L	This item is displayed, but cannot be monitored.
SYS FAIL W/L	This item is displayed, but cannot be monitored.
SFT POSI W/L	This item is displayed, but cannot be monitored.
HV BAT W/L	This item is displayed, but cannot be monitored.
HEV BRAKE W/L	This item is displayed, but cannot be monitored.
SFT OPER W/L	This item is displayed, but cannot be monitored.
CHAGE W/L	Lighting history of charge warning lamp.
OIL LEV LOW	This item is displayed, but cannot be monitored.
DPF W/L	This item is displayed, but cannot be monitored.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

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

INFOID:000000005688794

APPLICATION ITEM

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

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

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

x: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	x	x	x
Rear window defogger	REAR DEFOGGER		x	x
Warning chime	BUZZER		x	x
Interior room lamp timer	INT LAMP	x	x	x
Exterior lamp	HEAD LAMP	x	x	x
Wiper and washer	WIPER	x*1	x	x
Turn signal and hazard warning lamps	FLASHER	x	x	x
—	AIR CONDITONER*2			
<ul style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	x	x	x
Combination switch	COMB SW		x	
Body control system	BCM	x		
NVIS - NATS	IMMU		x	x
Interior room lamp battery saver	BATTERY SAVER	x	x	x
Back door opener system	TRUNK		x	x
Vehicle security system	THEFT ALM	x	x	x
RAP system	RETAINED PWR		x	
Signal buffer system	SIGNAL BUFFER		x	x
TPMS	TPMS (AIR PRESSURE MONITOR)	x	x	x

NOTE:

- *1: For models with rain sensor this mode is displayed, but is not used.
- *2: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power position status of the moment a particular DTC is detected	While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK")
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"
	ACC>ON		While turning power supply position from "ACC" to "IGN"
	RUN>ACC		While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)
	CRANK>RUN		While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)
	RUN>URGENT		While turning power supply position from "RUN" to "ACC" (Emergency stop operation)
	ACC>OFF		While turning power supply position from "ACC" to "OFF"
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"
	OFF>ACC		While turning power supply position from "OFF" to "ACC"
	ON>CRANK		While turning power supply position from "IGN" to "CRANKING"
	OFF>SLEEP		While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode
	LOCK>SLEEP		While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode
	LOCK		Power supply position is "LOCK" (Ignition switch OFF with steering is locked.)
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)
	ACC		Power supply position is "ACC" (Ignition switch ACC)
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)
CRANKING	Power supply position is "CRANKING" (At engine cranking)		
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 	

BUZZER

BUZZER : CONSULT-III Function (BCM - BUZZER)

INFOID:000000005524987

CONSULT-III APPLICATION ITEMS

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

DATA MONITOR

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Display item [Unit]	Description	
PUSH SW [On/Off]	Status of push button ignition switch judged by BCM.	A
UNLK SEN-DR [On/Off]	Status of unlock sensor judged by BCM.	B
VEH SPEED 1 [Km/h]	Value of vehicle speed signal received from ABS actuator and electric unit (control unit) with CAN communication line.	C
KEY SW-SLOT [On/Off]	Status of key slot judged by BCM.	D
TAIL LAMP SW [On/Off]	Status of each switch judged by BCM using the combination switch readout function.	E
FR FOG SW [On/Off]	Status of front fog lamp switch judged by BCM.	F
DOOR SW-DR [On/Off]	Status of driver side door switch judged by BCM.	F

ACTIVE TEST

Display item [Unit]	Description	
IGN KEY WARN ALM	The key warning chime operation can be checked by operating the relevant function (On/Off).	G
SEAT BELT WARN TEST	The seat belt warning chime operation can be checked by operating the relevant function (On/Off).	H
ID REGIST WARNING	The ID regist warning chime operation can be checked by operating the relevant function (On/Off).	I
LIGHT WARN ALM	The light warning chime operation can be checked by operating the relevant function (On/Off).	I

WCS

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT COMBINATION METER

COMBINATION METER : Diagnosis Procedure

INFOID:000000005688795

1. CHECK FUSE

Check for blown fuses.

Power source	Fuse No.
Battery	11
Ignition switch ON or START	4

Is the inspection result normal?

YES >> GO TO 2.

NO >> Be sure to eliminate cause of malfunction before installing new fuse.

2. CHECK POWER SUPPLY CIRCUIT

Check voltage between combination meter harness connector terminals and ground.

Terminals		Ignition switch position	Voltage (Approx.)
(+)	(-)		
Combination meter		OFF	Battery voltage
Connector	Terminal		
M34	1	ON	Battery voltage
	2		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Check harness between combination meter and fuse.

3. CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect combination meter connector.
3. Check continuity between combination meter harness connector terminals and ground.

Terminals		Continuity
(+)	(-)	
Combination meter		Existed
Connector	Terminal	
M34	3	Existed
	23	

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair harness or connector.

BCM (BODY CONTROL MODULE)

BCM (BODY CONTROL MODULE) : Diagnosis Procedure

INFOID:000000005688797

1. CHECK FUSE AND FUSIBLE LINK

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

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

Is the fuse fusing?

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

NO >> GO TO 2.

2.CHECK POWER SUPPLY CIRCUIT

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

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

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

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METER BUZZER CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

METER BUZZER CIRCUIT

Description

INFOID:00000000524990

- The buzzer for warning chime system is installed in the combination meter.
- The combination meter sounds the alarm buzzer based on the signals transmitted from various units.

Component Function Check

INFOID:00000000524991

1. CHECK OPERATION OF METER BUZZER

1. Select "BUZZER" of "BCM" on CONSULT-III.
2. Perform "LIGHT WARN ALM" of "Active Test".

Does meter buzzer beep?

- YES >> INSPECTION END
NO >> GO TO 2.

2. CHECK COMBINATION METER INPUT SIGNAL

Select the "Data Monitor" for the "METER/M&A" and check the "BUZZER" monitor value.

BUZZER
Under the condition of buzzer input : On
Except above : Off

Is the inspection result normal?

- YES >> Replace combination meter.
NO >> Replace BCM. Refer to [BCS-95, "Removal and Installation"](#).

Diagnosis Procedure

INFOID:00000000524992

1. CHECK POWER SUPPLY OF COMBINATION METER

Check power supply of combination meter. Refer to [MWI-43, "COMBINATION METER : Diagnosis Procedure"](#).

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Repair power supply circuit of combination meter. Refer to [MWI-43, "COMBINATION METER : Diagnosis Procedure"](#).

SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

Description

INFOID:000000000524993

Transmits a seat belt buckle switch signal (driver side) to the combination meter.

Component Function Check

INFOID:000000000524994

1.CHECK COMBINATION METER INPUT SIGNAL

Select the "Data Monitor" for the "METER/M&A" and check the "BUCKLE SW" monitor value.

BUCKLE SW

When seat belt is fastened : Off

When seat belt is unfastened : On

>> INSPECTION END

Diagnosis Procedure

INFOID:000000000524995

1.CHECK COMBINATION METER INPUT SIGNAL

1. Turn ignition switch ON.
2. Check voltage between combination meter harness connector terminal and ground.

Terminals		Condition	Voltage (Approx.)
(+)	(-)		
Combination meter			
Connector	Terminal		
M34	35	Ground	0 V
		When seat belt is unfastened	

Is the inspection result normal?

YES >> Replace combination meter

NO >> GO TO 2.

2.CHECK SEAT BELT BUCKLE SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect combination meter connector and seat belt buckle switch (driver side) connector.
3. Check continuity between combination meter harness connector terminal and seat belt buckle switch (driver side) harness connector terminal.

Terminals				Continuity
(+) Combination meter		(-) Seat belt buckle switch(driver side)		
Connector	Terminal	Connector	Terminal	
M34	35	B409*1	15*1	Exist
		B449*2	40*2	

• *1 : Without automatic drive positioner

• *2 : With automatic drive positioner

4. Check harness continuity between combination meter harness connector terminal and ground.

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SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Terminals				Continuity
(+)		(-)		
Combination meter				Ground
Connector	Terminal		Not existed	
M34	35			

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK SEAT BELT BUCKLE SWITCH GROUND CIRCUIT

Check harness continuity between seat belt buckle switch (driver side) harness connector terminal and ground.

Terminals				Continuity
(+)		(-)		
Combination meter				Ground
Connector	Terminal		Exist	
B409*1	16*1			
B449*2	41*2			

• *1 : Without automatic drive positioner

• *2 : With automatic drive positioner

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair harness or connector.

Component Inspection

INFOID:000000005524996

1. CHECK SEAT BELT BUCKLE SWITCH (DRIVER SIDE)

1. Turn ignition switch OFF.
2. Disconnect the seat belt buckle switch (driver side) connector.
3. Check continuity between terminals.

Terminals				Condition	Continuity
(+)		(-)			
Seat belt buckle switch (driver side)				When seat belt is fastened	Not existed
Connector	Terminal	Connector	Terminal		
B409*1	15*1	B409*1	16*1	When seat belt is unfastened	Exist
B449*2	40*2	B449*2	41*2		
B409*1	15*1	B409*1	16*1		
B449*2	40*2	B449*2	41*2		

*1: Without automatic drive positioner

*2: With automatic drive positioner

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace the seat belt buckle. Refer to [SB-9, "SEAT BELT BUCKLE : Removal and Installation"](#).

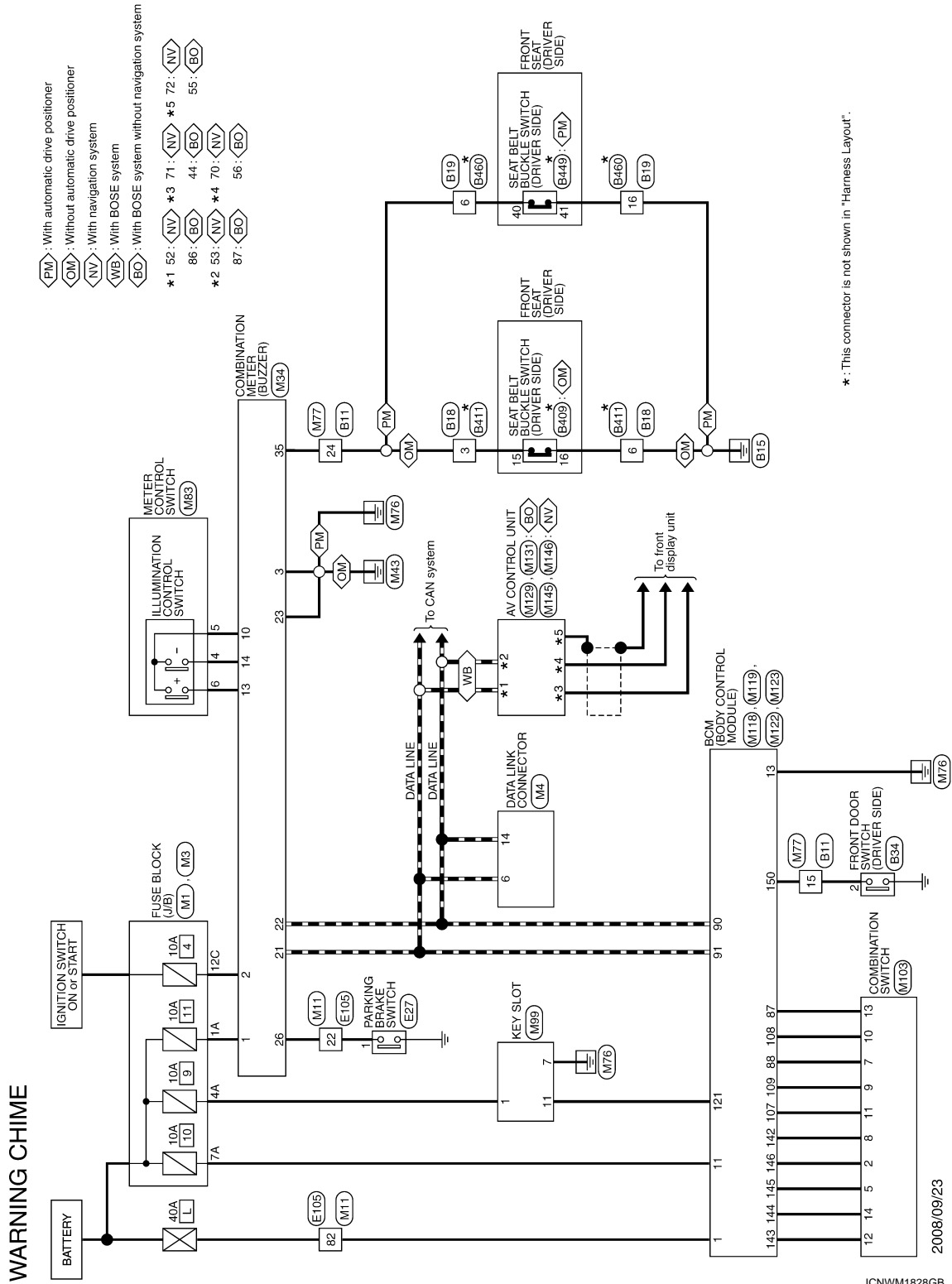
WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME SYSTEM

Wiring Diagram - WARNING CHIME -

INFOID:000000005524997



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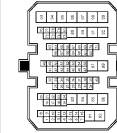
WCS

WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	THB0MW-CS19

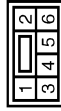


Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	B	-
3	R/L	-
4	R/W	-
5	SB	-
6	P	-
7	V	-
8	SHIELD	-
9	BR/L	-
10	Y/G	-
11	Y/L	-
12	W/L	-
13	L	-
14	BR	-
15	SB	-
16	BR	-
17	V	-
18	SB	-
19	R	-
20	P	-
21	LG	-
22	W	-
23	Y	-
24	GR	-
25	Y	-
27	V	-
28	W/L	-
30	P	-
31	O	-
32	BR	-
34	SB	-
35	SHIELD	-
36	L/O	-
37	LG	-
40	Y	-
41	O	-
42	SB	-
43	G	-

44	BR	-
45	L	-
46	GR	-
47	V	-
48	GR	[With rear view camera and telephone]
48	BR	[With rear view camera without telephone]
49	Y	-
50	SHIELD	-
51	B	-
52	B	-
53	Y	-
54	LG	-
55	BR	-
56	P	-
57	L	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-
63	LG	-
64	L	-
66	GR	-
67	G	-
68	R	-
69	SHIELD	-
70	W/R	-
71	B/R	-
72	Y	-
73	LG	-
74	SB	-
75	L	-
76	G	-
77	R	-
78	SHIELD	-
79	B	-
80	W	-
81	R	-
82	L	-
83	BR	-
84	O	-
85	G	-
86	SB	-
87	R	-
88	G	-
89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-

96	GR	-
97	R	-
98	LG	-
99	O	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



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

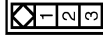
Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	L	-
3	W	-
4	P	-
5	V	-
6	GR	-
7	B	-
8	Y	-
9	P	-
10	LG	-

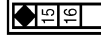
11	R	-
12	SB	-
13	O	-
14	BR	-
15	G	-
16	B/W	-

Connector No.	B4
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	AG3FW



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

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

JCNWM3151GB

WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS



1	2	3	4	5	6
1	2	3	4	5	6

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

Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A09MW-P



40	41
----	----

Terminal No.	Color of Wire	Signal Name [Specification]
40	W/G	-
41	GR	-

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



7	6	5	4	3	2	1
16	15	14	13	12	11	10
9	8	7	6	5	4	3
2	1	0	9	8	7	6

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	G/O	-
4	O/L	-
5	BR	-
6	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	L/O	-
11	V	-
12	V/W	-
13	W/R	-
14	BR/W	-
15	B/R	-
16	GR	-

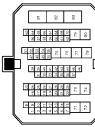
Connector No.	E27
Connector Name	PARKING BRAKE SWITCH
Connector Type	PO1FB-A



1

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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH70MW-CS10-M3



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

3	Y	-
4	W	-
5	LG	-
6	GR	-
7	G	-
8	P	-
11	L	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
23	P	-
24	L	-
25	O	-
26	G	-
27	V	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
65	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-

82	LG	-
83	O	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS09FW-M2



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

Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

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



5C	4C	3C	2C	1C
12C	11C	10C	9C	8C
7C	6C	5C	4C	3C
2C	1C	0	9C	8C

Terminal No.	Color of Wire	Signal Name [Specification]
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-
10C	SB	-
11C	R	-
12C	O	-

A
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C
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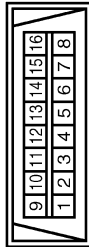
WCS

WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

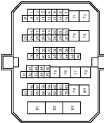
WARNING CHIME

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
14	P	-
16	Y	-

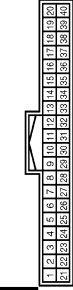
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH70FW-CS1.0-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
23	P	-

24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-1H1



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	V	ILLUMINATION CONTROL SWITCH (With automatic dimmable)
13	V	ILLUMINATION CONTROL SWITCH (Without automatic dimmable)
14	GR	ILLUMINATION CONTROL SWITCH (-)
15	BR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF/SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

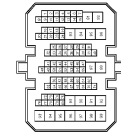
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WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME

Connector No.	MT7
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1.9

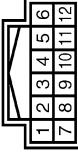


Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
4	R	
5	Y	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	
12	B	
13	O	
14	R	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	O	
23	LG	
24	SB	
25	Y	
27	Y	
30	Y	
31	W	
32	BR	
34	Y	
35	SHIELD	
36	G	
37	Y	
40	O	
41	O	
42	SB	
43	L	

44	V	
45	P	
46	R	
47	Y	
48	L	
49	G	
50	SHIELD	
51	W	
52	B	
53	BR	
54	B	
55	G	
56	P	
57	L	
58	SB	
59	SHIELD	
60	B	
61	R	
62	W	
63	O	
64	Y	
66	L	
67	R	
68	G	
69	SHIELD	
70	L	
71	R	
72	LG	
73	Y	
74	R	
75	P	
76	L	
77	BR	
78	SHIELD	
79	B	
80	W	
81	LG	
82	L	
83	GR	
84	R	
85	V	
86	W	
87	R	
88	G	
89	B	
90	G	
91	G	
92	BR	
93	P	
94	V	

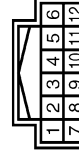
95	O	
96	SB	
97	L	
98	LG	
99	Y	

Connector No.	M83
Connector Name	METER CONTROL SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	O	
3	W	
4	GR	
5	O	
6	V	[With automatic drive positioner]
6	Y	[Without automatic drive positioner]
11	SB	
12	L	

Connector No.	M89
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BAT
2	SB	CLOCK
3	O	DATA
5	GR	ILL BAT
6	R	ILL
7	B	GND

11	Y	KEY SWITCH SIGNAL
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Connector No.	MT03
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RR
2	Y	OUTPUT 4
3	O	IGN
4	W	IGN
5	V	OUTPUT 3
6	B	GND
7	GR	INPUT 3
8	L	OUTPUT 5
9	SS	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1
13	R	INPUT 5
14	P	OUTPUT 2

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MT03FB-LC



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

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WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	HS16FW-CS



4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19

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

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



61	62	63	64	65	66	67	68	69	70	71	72																																																																																																																				
73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

Terminal No.	Color of Wire	Signal Name [Specification]
72	B	ROOM ANT2-
73	W	ROOM ANT2+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	IMMOBI ANTENNA CONTROL
81	O	IMMOBI ANTENNA SIGNAL
82	BR	IGN-RELAY (F/B) CONT

83	P	KEYLESS ENTRY RECEIVER SIGNAL
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	W	KEY SLOT ILL
93	P	ON IND
95	L	ACC RELAY CONT
96	Y	CVT SHIFT SELECTOR POWER SUPPLY
97	O	S/L CONDITION 1
98	L	S/L CONDITION 2
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER FAN MOTOR RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	Y	S/L POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW
111	LG	S/L COMM

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



121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	O	OPTICAL SENSOR
116	GR	FUSE CHECK
118	L	STOP LAMP SW
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
123	G	IGN F/B
124	R	PASSENGER DOOR SW
130	BR	REAR DEFOGGER SW
132	G	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	P	RECEIVER/SENSOR GND

138	V	RECEIVER/SENSOR POWER SUPPLY
139	O	TIRE PRESS RECEIVER SIGNAL
140	GR	SHIFT N/P
141	O	SECURITY INDICATOR OUTPUT
142	L	COMBI SW OUTPUT 5
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
149	W	TIRE PRESS WARNING CHECK SW
150	SB	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY

Connector No.	M129
Connector Name	AV CONTROL UNIT (WITH HOSE SYSTEM WITHOUT NAVIGATION SYSTEM)
Connector Type	TH24FW-NH



147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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Terminal No.	Color of Wire	Signal Name [Specification]
36	L	COMPOSITE IMAGE SIGNAL
37	P	COMPOSITE IMAGE GND
38	Y	RGB (B/BLUE) SIGNAL
39	L	RGB (G/GREEN) SIGNAL
40	G	RGB (R/RED) SIGNAL
41	B	RGB SYNC
42	SHIELD	SHIELD
43	W	RGB AREA (YS) SIGNAL
44	G	COMM (DISP->CONT)
45	G	HPF
46	LG	SIGNAL GND
47	O	SIGNAL VCC
49	SHIELD	SHIELD
50	SHIELD	SHIELD
55	SHIELD	SHIELD
56	R	COMM (CONT->DISP)
57	R	VP
58	BR	INVERTER GND
59	Y	INVERTER VCC

Connector No.	M131
Connector Name	AV CONTROL UNIT (WITH HOSE SYSTEM WITHOUT NAVIGATION SYSTEM)
Connector Type	TH22FW-NH



81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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Terminal No.	Color of Wire	Signal Name [Specification]
79	L	TEL VOICE SIGNAL (-)
80	R	TEL VOICE SIGNAL (+)
81	SHIELD	SHIELD
82	W	SOUND SIGNAL RH (-) (With DVD player)
83	R	SOUND SIGNAL RH (+) (With DVD player)
85	R	IPod SOUND SIGNAL RH (+) (Without DVD player)
86	L	GND
87	P	CAN-H
88	R	AV COMM (RH)
89	L	AV COMM (LH)
90	G	AV COMM (L)
91	L	AV COMM (H)
95	R	AUX SOUND SIGNAL RH (+)
96	B	AUX SOUND SIGNAL LH (+)
97	W	AUX SOUND SIGNAL GND
98	G	SOUND SIGNAL LH (-) (With DVD player)
99	L	IPod SOUND SIGNAL LH (-) (Without DVD player)
99	B	SOUND SIGNAL LH (+) (With DVD player)
99	BR	IPod SOUND SIGNAL LH (+) (Without DVD player)
100	SHIELD	SHIELD (Without DVD player)
100	SHIELD	SHIELD (Without DVD player)
101	V	SW GND
103	W	EJECT SIGNAL
104	G	IGNITION
105	SB	REVERSE
106	G	PARKING BRAKE
107	V	VEHICLE SPEED (8-PULSE)

WARNING CHIME SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

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WARNING CHIME

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH14CPV-NH



62	64	66	68	70	72
63	65	67	69	71	73

62	R	RGB (GREEN) SIGNAL
63	W	RGB (BLUE) SIGNAL
64	SHIELD	SHIELD
65	B	RGB ST/AC
66	SHIELD	SHIELD
67	W	RGB AREA (YS) SIGNAL
68	B	HP
69	R	VP
70	R	COMM (CONT->DISP)
71	G	COMM (DISP->CONT)
72	SHIELD	SHIELD

Terminal No.	Color of Wire	Signal Name [Specification]
21	B	GND
22	Y	BATTERY
23	B	GND
24	Y	BATTERY
25	R	ACC
26	B	MICROPHONE VCC
27	SHIELD	MICROPHONE GND
28	W	MICROPHONE SIGNAL
35	G	IGNITION
36	G	PARKING BRAKE
37	SB	REVERSE
38	Y	VEHICLE SPEED (8-PULSE)
40	P	CONNECTION RECOGNITION
42	B	CONTROL SIGNAL
43	B	CONTROL SIGNAL
46	G	AV COMM (H)
49	L	AV COMM (L)
50	R	AV COMM (H)
51	L	AV COMM (L)
52	L	CAN-H
53	P	CAN-L

Connector No.	M146
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH12FPV-NH



62	64	66	68	70	72
61	63	65	67	69	71

Terminal No.	Color of Wire	Signal Name [Specification]
61	G	RGB (RED) SIGNAL

JCNWM3156GB

WCS

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

COMBINATION METER

Reference Value

INFOID:000000005688798

VALUES ON THE DIAGNOSIS TOOL

Monitor Item	Condition		Value/Status
SPEED METER [km/h]	Ignition switch ON	While driving	Equivalent to speedometer reading NOTE: 655.35 is displayed when the malfunction signal is received
SPEED OUTPUT [km/h]	Ignition switch ON	While driving	Equivalent to speedometer reading NOTE: 655.35 is displayed when the malfunction signal is received
ODO OUTPUT [km/h or mph]	Ignition switch ON	—	Equivalent to odometer reading in combination meter
TACHO METER [rpm]	Ignition switch ON	While driving	Equivalent to tachometer reading NOTE: 8191.875 is displayed when the malfunction signal is received
FUEL METER [L]	Ignition switch ON	—	Values according to fuel level
W TEMP METER [°C]	Ignition switch ON	—	Values according to engine coolant temperature NOTE: 215 is displayed when the malfunction signal is input
ABS W/L	Ignition switch ON	ABS warning lamp ON	On
		ABS warning lamp OFF	Off
VDC/TCS IND	Ignition switch ON	VDC OFF indicator lamp ON	On
		VDC OFF indicator lamp OFF	Off
SLIP IND	Ignition switch ON	SLIP Indicator lamp ON	On
		SLIP indicator lamp OFF	Off
BRAKE W/L	Ignition switch ON	Brake warning lamp ON	On
		Brake warning lamp OFF	Off
DOOR W/L	Ignition switch ON	Door warning lamp ON	On
		Door warning lamp OFF	Off
HI-BEAM IND	Ignition switch ON	High-beam indicator lamp ON	On
		High-beam indicator lamp OFF	Off
TURN IND	Ignition switch ON	Turn signal indicator lamp ON	On
		Turn signal indicator lamp OFF	Off
LIGHT IND	Ignition switch ON	Light indicator lamp ON	On
		Light indicator lamp OFF	Off
OIL W/L	Ignition switch ON	Oil pressure warning lamp ON	On
		Oil pressure warning lamp OFF	Off
MIL	Ignition switch ON	Malfunction indicator lamp ON	On
		Malfunction indicator lamp OFF	Off
CRUISE IND	Ignition switch ON	CRUISE indicator lamp ON	On
		CRUISE indicator lamp OFF	Off



COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition		Value/Status	
O/D OFF IND	Ignition switch ON	O/D OFF indicator lamp ON	On	A
		O/D OFF indicator lamp OFF	Off	
4WD W/L	Ignition switch ON	AWD warning lamp ON	On	B
		AWD warning lamp OFF	Off	
4WD LOCK IND	Ignition switch ON	AWD LOCK indicator lamp ON	On	C
		AWD LOCK indicator lamp OFF	Off	
FUEL W/L	Ignition switch ON	Low-fuel warning lamp ON	On	
		Low-fuel warning lamp OFF	Off	D
WASHER W/L	Ignition switch ON	Washer warning displayed	On	
		Washer warning not displayed	Off	E
AIR PRES W/L	Ignition switch ON	Low tire pressure lamp ON	On	
		Low tire pressure lamp OFF	Off	F
KEY G/Y W/L	Ignition switch ON	Key warning lamp (green/yellow) ON	On	
		Key warning lamp (green/yellow) OFF	Off	G
LCD	Ignition switch ON	Engine start information display	B&P I	
	Ignition switch ACC	Engine start information display	B&P N	H
	Ignition switch LOCK	Key ID warning display	ID NG	
	Ignition switch LOCK	Steering lock information display	ROTAT	I
	Ignition switch LOCK	P position warning display	SFT P	
	Ignition switch LOCK	Intelligent Key insert information display	INSRT	J
	Ignition switch LOCK	Intelligent Key low battery warning display	BATT	
	Ignition switch ON	Take away warning display	NO KY	K
	Ignition switch LOCK	Key warning display	OUTKY	
	Ignition switch ON	ACC warning display	LK WN	L
SHIFT IND	Ignition switch ON	Shift position indicator P display	P	M
		Shift position indicator R display	R	
		Shift position indicator N display	N	WCS
		Shift position indicator D display	D	
		Shift position indicator L display	L	
O/D OFF SW	Ignition switch ON	Overdrive control switch ON	On	O
		Overdrive control switch OFF	Off	
M RANGE SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off	P
NM RANGE SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off	

COMBINATION METER

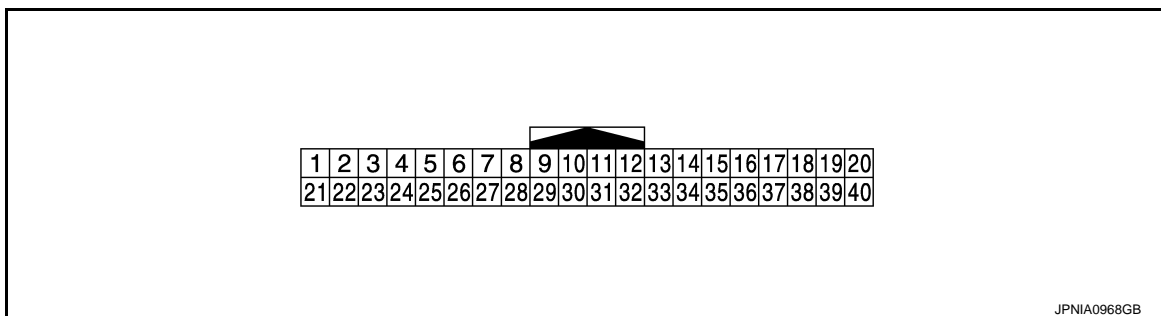
< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition		Value/Status
AT SFT UP SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
AT SFT DWN SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
ST SFT UP SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
ST SFT DWN SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
PKB SW	Ignition switch ON	Parking brake switch ON	On
		Parking brake switch OFF	Off
BUCKLE SW	Ignition switch ON	Seat belt (driver side) not fastened	On
		Seat belt (driver side) fastened	Off
BRAKE OIL SW	Ignition switch ON	Brake fluid level switch ON	On
		Brake fluid level switch OFF	Off
DISTANCE [km]	Ignition switch ON	—	Possible driving distance calculated by combination meter
A/C AMP CONN	Ignition switch ON	Other than the following	On
		Receives ambient sensor power signal	Off
ENTER SW	Ignition switch ON	When  is pressed	On
		Other than the above	Off
SELECT SW	Ignition switch ON	When  is pressed	On
		Other than the above	Off
OUTSIDE TEMP [°C] or [°F]	Ignition switch ON	—	Equivalent to ambient temperature NOTE: This may not match the indicated value on the information display.
FUEL LOW SIG	Ignition switch ON	Low fuel warning displayed	On
		Low fuel warning not displayed	Off
BUZZER	Ignition switch ON	Buzzer ON	On
		Buzzer OFF	Off

NOTE:

Some items are not available according to vehicle specification.

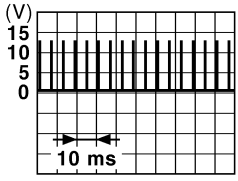
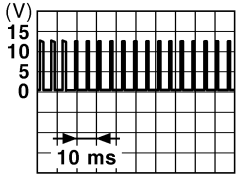




TERMINAL LAYOUT



PHYSICAL VALUES

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

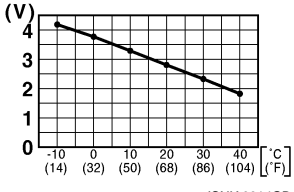
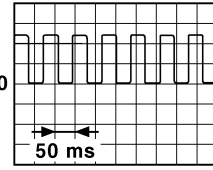
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
1 (Y)	Ground	Battery power supply	Input	Ignition switch OFF	—	Battery voltage
2 (O)	Ground	IGN signal	Input	Ignition switch ON	—	Battery voltage
3 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
5 (SB)	Ground	Illumination control signal	Output	Ignition switch ON	<ul style="list-style-type: none"> • Lighting switch 1ST • When meter illumination is maximum 	
					<ul style="list-style-type: none"> • Lighting switch 1ST • When meter illumination is minimum 	
8 (SB)	10 (O)	Trip reset signal	Input	Ignition switch ON	When trip reset switch is pressed.	0 V
					Other than the above	5 V
10 (O)	Ground	Meter control switch ground	—	Ignition switch ON	—	0 V
11 (L)	10 (O)	Enter switch signal	Input	Ignition switch ON	When  is pressed.	0 V
					Other than the above	5 V
12 (R)	10 (O)	Select switch signal	Input	Ignition switch ON	When  is pressed.	0 V
					Other than the above	5 V
13 (Y*1 or V*2)	10 (O)	Illumination control switch signal (+)	Input	Ignition switch ON	When  is pressed.	0 V
					Other than the above	5 V
14 (GR)	10 (O)	Illumination control switch signal (-)	Input	Ignition switch ON	When  is pressed.	0 V
					Other than the above	5 V
15 (BR)	Ground	Air bag signal	Input	Ignition switch ON	Air bag warning lamp ON	4 V
					Air bag warning lamp OFF	0 V

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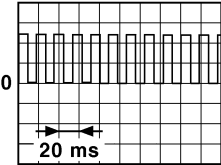
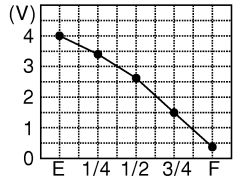
COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
18 (L)	Ground	Ambient sensor signal	Input	Ignition switch ON	Changes depending to ambient temperature.  <small>JSNIA0014GB</small>	
19 (P)	Ground	Ambient sensor power	Input	Ignition switch ON	—	5 V
20 (Y)	Ground	Ambient sensor ground	Input	Ignition switch ON	—	0 V
21 (L)	—	CAN-H	—	—	—	—
22 (P)	—	CAN-L	—	—	—	—
23 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
24 (W)	Ground	Fuel level sensor signal ground	—	Ignition switch ON	—	0 V
25 (BR)	Ground	Alternator signal	Input	Ignition switch ON	Charge warning lamp ON	2 V
					Charge warning lamp OFF	12 V
26 (G)	Ground	Parking brake switch signal	Input	Ignition switch ON	Parking brake ON	0 V
					Parking brake OFF	5 V
27 (V)	Ground	Brake fluid level switch signal	Input	Ignition switch ON	Brake fluid level is normal	12 V
					Brake fluid level is less than LOW level	0 V
29 (R)	Ground	Washer level switch signal	Input	Ignition switch ON	Washer level switch ON	0 V
					Washer level switch OFF	5 V
30 (P)	Ground	Vehicle speed signal output (2-pulse)	Output	Ignition switch ON	Speedometer operated [When vehicle speed is approx. 40 km/h (25 MPH)]  <small>JSNIA0015GB</small>	NOTE: The maximum voltage varies depending on the specification (destination unit).

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Input/ Output	Condition	Value (Approx.)
+	-	Signal name				
31 (V)	Ground	Vehicle speed signal output (8-pulse)	Output	Ignition switch ON	Speedometer operated [When vehicle speed is ap- prox. 40 km/h (25 MPH)]	NOTE: The maximum voltage varies de- pending on the specification (destination unit).  <small>JSNIA0012GB</small>
32 (LG)	Ground	Overdrive control switch signal	Input	Ignition switch ON	Overdrive control switch pressed.	0 V
					Overdrive control switch not pressed.	12 V
34 (G)	Ground	Fuel level sensor signal	Input	Ignition switch ON	—	 <small>JPNIA0740ZZ</small>
35 (SB)	Ground	Seat belt buckle switch sig- nal (driver side)	Input	Ignition switch ON	When driver seat belt is fas- tened.	12 V
					When driver seat belt is un- fastened.	0 V
36 (R)	Ground	Seat belt buckle switch sig- nal (passenger side)	Input	Ignition switch ON	<ul style="list-style-type: none"> When getting in the pas- senger seat. When passenger seat belt is fastened. 	12 V
					<ul style="list-style-type: none"> When getting in the pas- senger seat. When passenger seat belt is unfastened. 	0 V

*1: Without automatic drive positioner

*2: With automatic drive positioner

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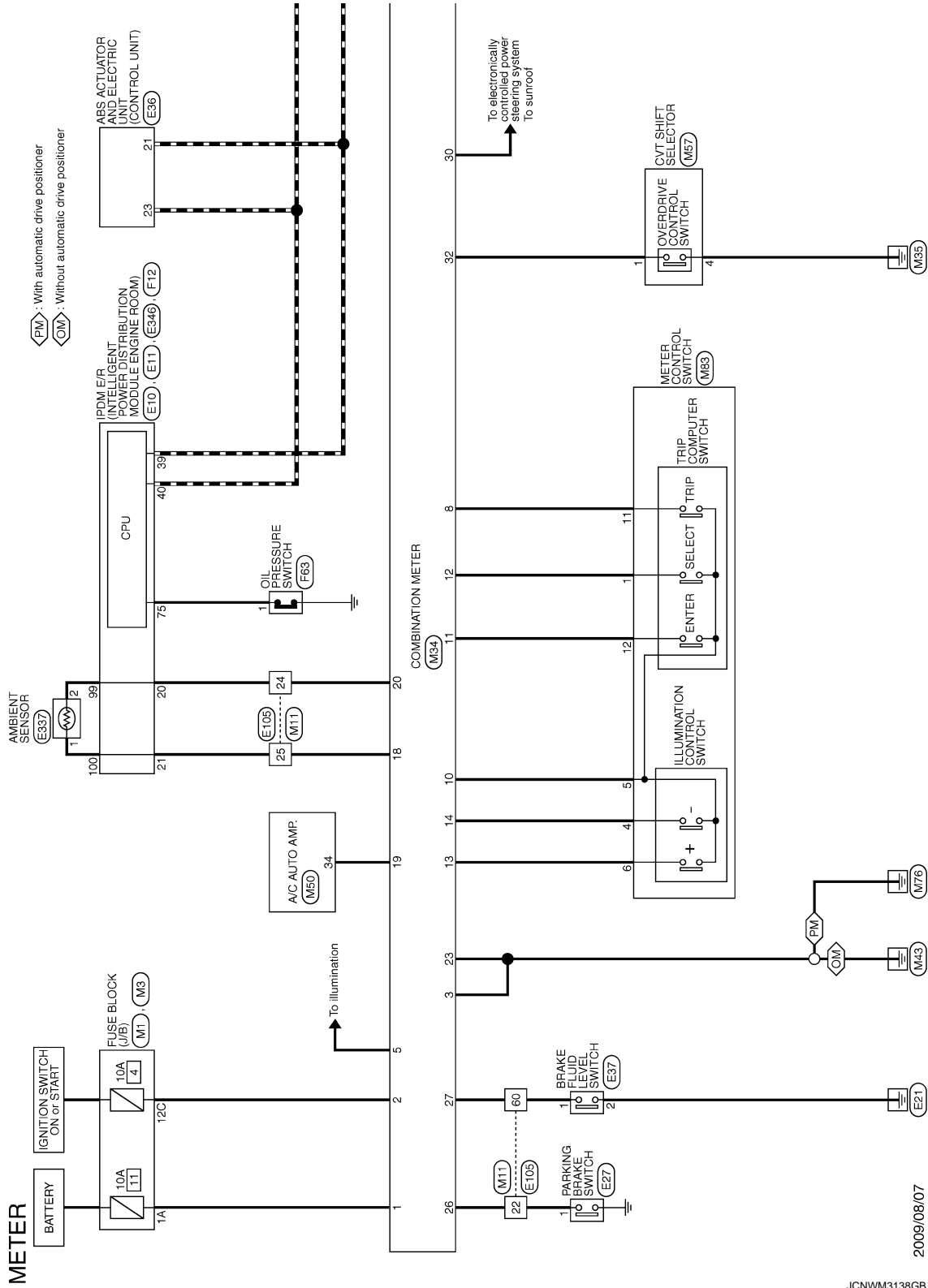
WCS

COMBINATION METER

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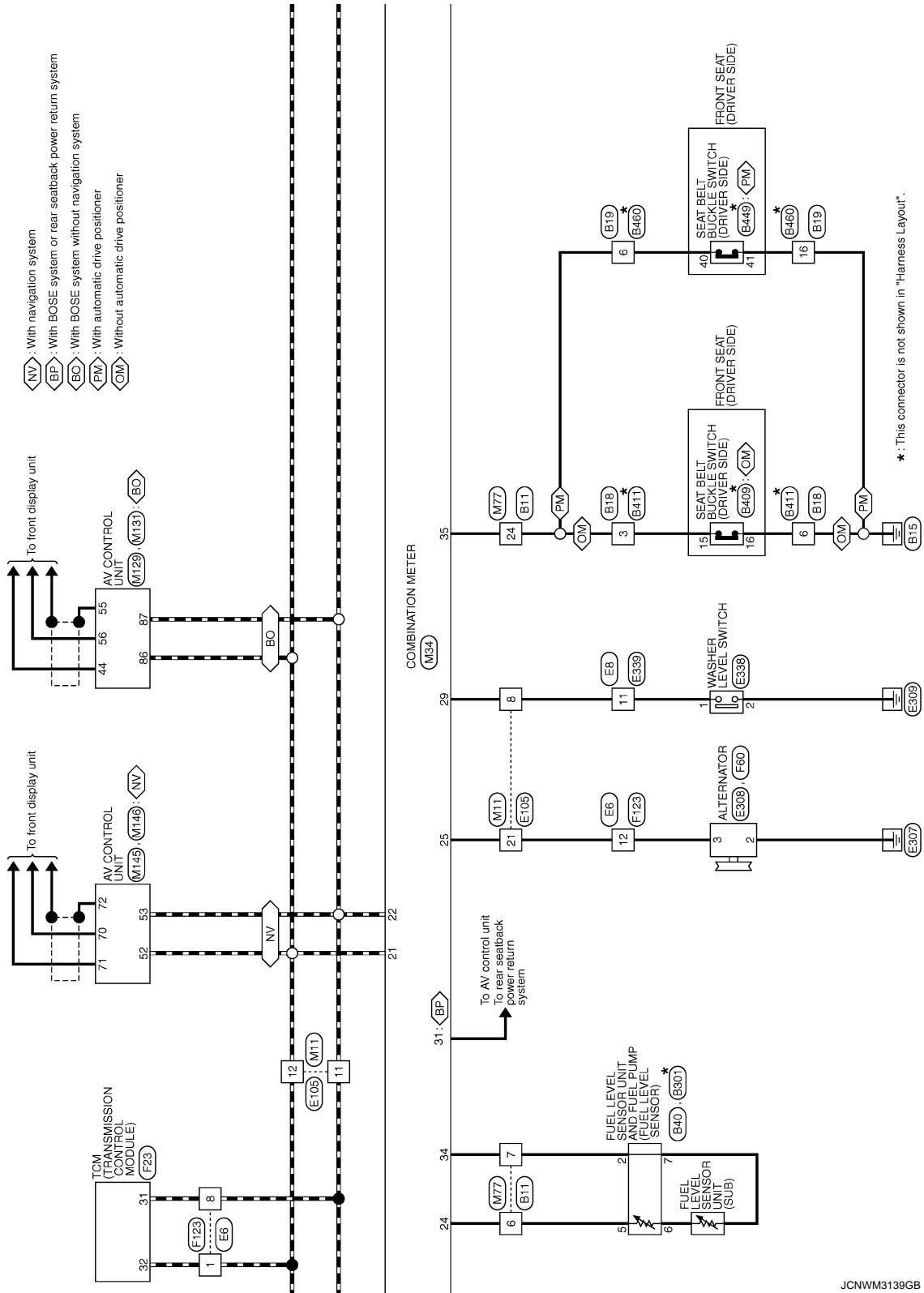
Wiring Diagram - METER -

INFOID:000000005688799



COMBINATION METER

< ECU DIAGNOSIS INFORMATION >



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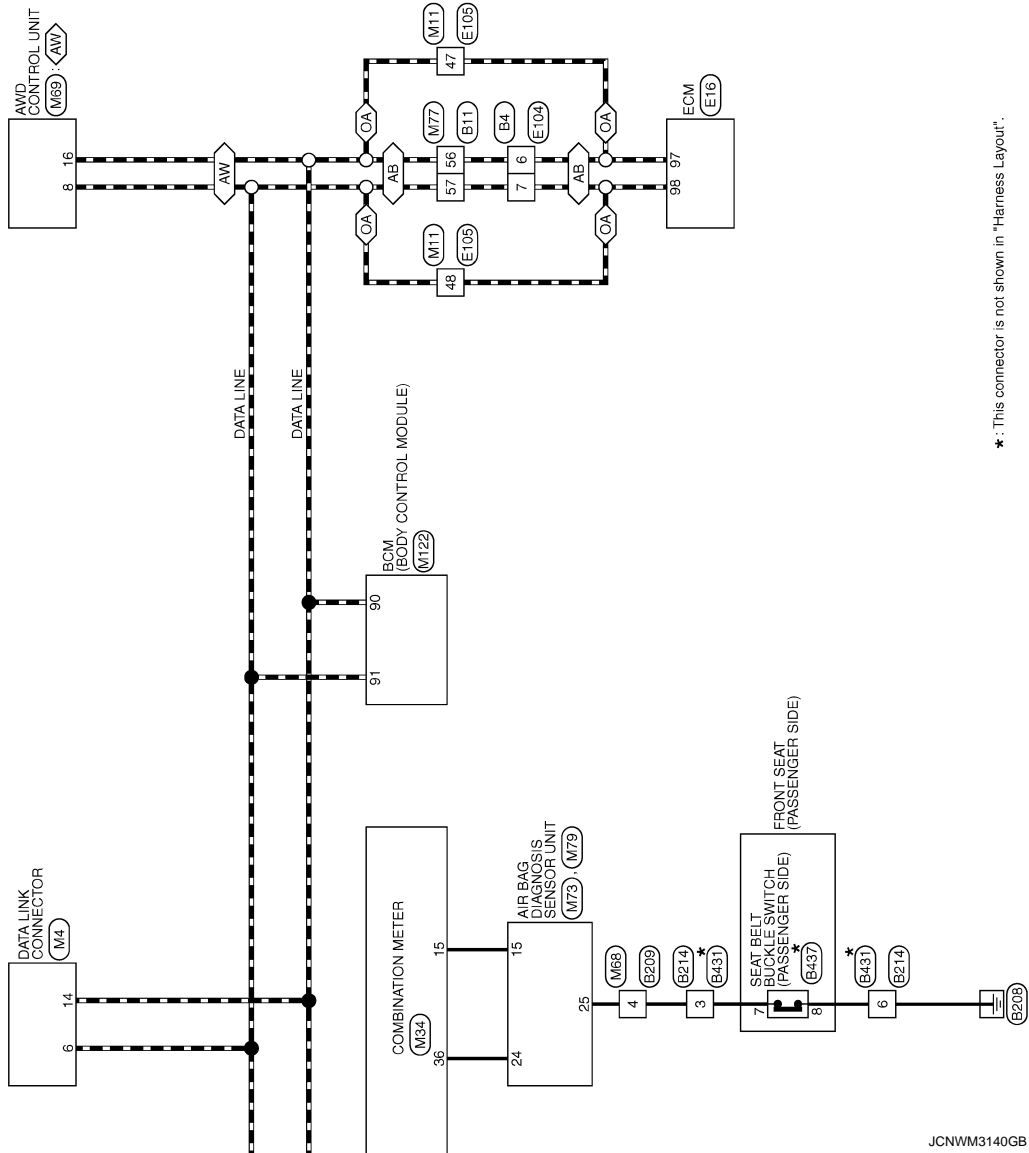
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

AW: AWD models
 AB: With automatic back door
 OA: Without automatic back door



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

JCNWM3140GB

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

METER

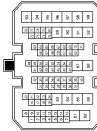
Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	W	-
3	W	-
4	R	-
5	O	-
6	P	-
7	L	-
8	B	-
9	LG	-
10	Y	-
11	L	-
12	BR	-
13	P	-
14	BR	-
15	O	-
16	G	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	B	-
3	R/L	-
4	R/W	-
5	SB	-
6	P	-

7	V	-
8	SHIELD	-
9	BR/L	-
10	Y/G	-
11	Y/L	-
12	W/L	-
13	L	-
14	BR	-
15	SB	-
16	BR	-
17	V	-
18	SB	-
19	R	-
20	P	-
21	LG	-
22	W	-
23	Y	-
24	GR	-
25	Y	-
26	Y	-
27	V	-
28	W/L	-
29	P	-
30	P	-
31	O	-
32	BR	-
34	SB	-
35	SHIELD	-
36	L/O	-
37	LG	-
40	Y	-
41	O	-
42	SB	-
43	G	-
44	BR	-
45	L	-
46	GR	-
47	V	-
48	GR	- [With rear view camera and telephone]
48	BR	- [With rear view camera without telephone]
49	Y	-
50	SHIELD	-
51	B	-
52	B	-
53	Y	-
54	LG	-
55	BR	-
56	P	-
57	L	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-

63	LG	-
64	Y	-
66	GR	-
67	G	-
68	R	-
69	SHIELD	-
70	W/R	-
71	B/R	-
72	Y	-
73	LG	-
74	SB	-
75	L	-
76	G	-
77	R	-
78	SHIELD	-
79	B	-
80	W	-
81	R	-
82	L	-
83	BR	-
84	O	-
85	G	-
86	SB	-
87	R	-
88	G	-
89	GR	-
90	Y	-
91	G	-
92	BR	-
93	G	-
94	V	-
95	BR	-
96	GR	-
97	R	-
98	LG	-
99	O	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



1	2		
3	4	5	6

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	BR	-
3	W	-
4	P	-
5	Y	-
6	GR	-
7	B	-
8	Y	-
9	P	-
10	LG	-
11	R	-
12	SB	-
13	O	-
14	BR	-
15	G	-
16	B/W	-

1	BR	-
2	B	-
3	GR	-
4	O	-
5	G	-
6	B/W	-

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	L	-
3	W	-
4	P	-
5	Y	-
6	GR	-
7	B	-
8	Y	-
9	P	-
10	LG	-
11	R	-
12	SB	-
13	O	-
14	BR	-
15	G	-
16	B/W	-

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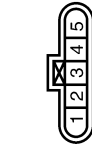
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

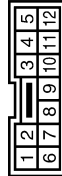
METER

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	ECIFCY-RS



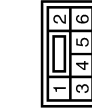
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	B	-
4	SB	-
5	P	-

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	L	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



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

Connector No.	B301
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	-



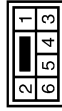
Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

Connector No.	B408
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



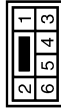
Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



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

Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



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

Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
7	W/G	-
8	GR	-

Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
40	W/G	-
41	GR	-

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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

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Connector No.	E460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	G/O	-
4	O/L	-
5	BR	-
6	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	L/O	-
11	V	-
12	V/W	-
13	W/R	-
14	BR/W	-
15	B/R	-
16	GR	-

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK16MGY-TV



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	Y	-
4	R	-
5	GR	-
6	V	-
8	P	-

10	W	-	15	W	-
11	G	-	16	L/Y	-
12	BR	-	19	Y	-
13	SB	-	20	L	-
14	B	-	21	O	-
15	O	-	22	SB	-
			23	GR	-
			24	G	-
			25	GR	-
			26	Y	-
			27	W	-
			28	SB	-
			30	BR	-
			32	V	-
			33	G	-
			34	O	-
			35	P	-
			38	G	-
			39	GR	-

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	NS12MBR-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
3	GR	-
4	SB	-
5	O	-
8	G	-
9	W	-
10	Y	-
11	G	-

Connector No.	E10
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
11	P	-
12	B	-
13	SB	-

15	W	-	15	W	-
16	L/Y	-	16	L/Y	-
19	Y	-	19	Y	-
20	L	-	20	L	-
21	O	-	21	O	-
22	SB	-	22	SB	-
23	GR	-	23	GR	-
24	G	-	24	G	-
25	GR	-	25	GR	-
26	Y	-	26	Y	-
27	W	-	27	W	-
28	SB	-	28	SB	-
30	BR	-	30	BR	-
32	V	-	32	V	-
33	G	-	33	G	-
34	O	-	34	O	-
35	P	-	35	P	-
38	G	-	38	G	-
39	GR	-	39	GR	-

Connector No.	E11
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH10FPW-NH



42	41	40	39
46	45	44	43

Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B	-
42	SB	-
43	Y	-
44	W	-
45	O	-
46	BR	-

Connector No.	E16
Connector Name	ECM
Connector Type	RM24FB-R23-L-LH



81	85	89	93	97	101	105	109
82	86	90	94	98	102	106	110
83	87	91	95	99	103	107	111
84	88	92	96	100	104	108	112

Terminal No.	Color of Wire	Signal Name [Specification]
81	W	APSI
82	O	AP52
83	BR	AVGCI-AP51
84	B	GND-AP51
85	Y	ASCO SW
86	SB	FTPRES
87	GR	AVC22-AP52
88	O	KLINE
91	L	AVC02-FTPRES
92	BR	GND-ASCO5W
93	BR	IGN SW
94	GR	TACHOCABIN
95	Y	TF
96	GR	GND-FTPRES
97	P	VEHCAN-L
98	L	VEHCAN-H
100	G	GND-AP52
102	R	NEUT-H
104	SB	GND-TF
105	V	VBR
106	SB	BRAKE
107	B	GND
108	B	GND
109	W	CDCV
110	G	BNGSW
111	B	GND
112	B	GND

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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

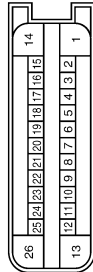
METER

Connector No.	E27	VALVE/ECU GND
Connector Name	PARKING BRAKE SWITCH	
Connector Type	P01E-A	



Terminal No.	1	P	Signal Name [Specification]	-
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Connector No.	E36	WSS RL SIG(-)
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)	
Connector Type	AE22FB-AJZ4-LH	



Terminal No.	1	R	Signal Name [Specification]	VALVE/ECU SUPPLY
2	Y	WSS RL PWR(+)		
3	L	WSS RR PWR(+)		
4	GR	CLUSTER SUPPLY		
5	B	WSS FR PWR(+)		
6	W	WSS FR SIG(-)		
7	LG	LS		
8	V	WSS FL SIG(-)		
9	W	WSS FL PWR(+)		
10	SB	CLUSTER GND		
11	P	WSS RR PWR(+)		
12	V	WSS RR SIG(-)		
13	B/W	MOTOR GND		
14	G	MOTOR SUPPLY		
16	SB	BLS		
19	BR	CAN2 H		
20	GR	IGN		
21	P	CAN1 L		
22	Y	VDC OFF SW		
23	L	CAN1 H		
25	W	CAN2 L		

26	B/W	VALVE/ECU GND
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Connector No.	E37	WIRE TO WIRE
Connector Name	BRAKE FLUID LEVEL SWITCH	
Connector Type	YY02FGY	



Terminal No.	1	P	Signal Name [Specification]	-
2	B	-		

Connector No.	E104	WIRE TO WIRE
Connector Name	WIRE TO WIRE	
Connector Type	NS1EFW-CS	



Terminal No.	1	Y	Signal Name [Specification]	-
2	SB	-		
3	L	-		
4	R	-		
5	L	-		
6	P	-		
7	L	-		
8	B/W	-		
9	SB	-		
10	GR	-		
11	R	-		
12	W	-		
13	P	-		
14	V	-		
15	Y	-		
16	L	-		

Connector No.	E105	WIRE TO WIRE
Connector Name	WIRE TO WIRE	
Connector Type	TH70MF-CS10-M3	



Terminal No.	2	BR	Signal Name [Specification]	-
3	Y	-		
4	W	-		
5	LG	-		
6	GR	-		
8	G	-		
11	P	-		
12	L	-		
13	Y	-		
14	O	-		
15	BR	-		
20	Y	-		
21	BR	-		
22	P	-		
23	P	-		
24	L	-		
25	O	-		
26	G	-		
27	V	-		
28	SB	-		
29	W	-		
30	Y	-		
47	P	-		
48	L	-		
49	SB	-		
50	GR	-		
51	LG	-		
52	V	-		
53	GR	-		
54	BR	-		
55	Y	-		
56	W/L	-		
60	V	-		
61	BR	-		
62	O	-		
63	L/O	-		
64	SHIELD	-		
66	W	-		

67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

Connector No.	E208	ALL TERMINATOR
Connector Name	ALL TERMINATOR	
Connector Type	-	



Terminal No.	2	B	Signal Name [Specification]	-
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Connector No.	E237	AMBIENT SENSOR
Connector Name	AMBIENT SENSOR	
Connector Type	RS22FB	



Terminal No.	1	SB	Signal Name [Specification]	-
2	BR	-		

JCNWM3144GB

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

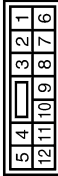
METER

Connector No.	E338
Connector Name	WASHER LEVEL SWITCH
Connector Type	20P/BR



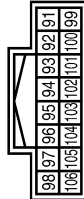
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	E329
Connector Name	WIRE TO WIRE
Connector Type	NS12PBR-CS



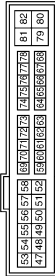
Terminal No.	Color of Wire	Signal Name [Specification]
3	O	-
4	G	-
5	O	-
8	W	-
10	Y	-
11	R	-

Connector No.	E348
Connector Name	PRIMER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH16P/WH



Terminal No.	Color of Wire	Signal Name [Specification]
91	R	-
92	LG	-
99	BR	-
100	SB	-
101	L	-
102	B	-
103	P	-

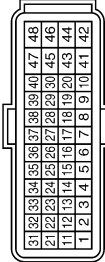
Connector No.	F12
Connector Name	PRIMER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20P/WH-CS12-M4



Terminal No.	Color of Wire	Signal Name [Specification]
48	W	-
49	R/B	-
51	LG	-
52	Y/G	-
53	R/W	-
54	G/W	-
55	W/L	-
56	R/Y	-
57	O	-
58	Y	-
69	W/B	-
70	O	-
72	R/B	-
75	LG	-
76	SB	-

77	GR	-
80	B	-

Connector No.	F23
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40P/BR-R2B-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INH SW 2
2	P/L	INH SW 3
3	G/O	INH SW 4
4	GR	INH SW 2 MON
5	B	GND
7	W	SENSOR GND
8	G/W	CLOCK (SEL2)
9	L/R	CHIP SELECT (SEL1)
10	BR/R	DATA I/O (SEL3)
11	BR/W	INH SW 1
13	V	ATF TEMP SENSOR
14	R/W	SEC PRESS SENSOR
15	V/W	SEC PRESS SENSOR
19	G/B	REV LAMP RELAY
20	R/B	STARTER RELAY
25	W/R	SENSOR GND
26	L/O	SENSOR POWER SOURCE (5V)
27	R/G	S/M-D
28	R	S/M-C
29	O/B	S/M-B
30	G/R	S/M-A
31	P	CAN-L
32	L	CAN-H
33	LG	PRI SPEED SENSOR
34	LG/R	SEC SPEED SENSOR
37	V/R	L/URSEL-ON/OFF SOL
38	L/W	L/URSEL-LINEAR SOL
39	W/B	SEC-LINEAR SOL
40	R/Y	PL-LINEAR SOL
42	B	GND
46	Y	VIGN
47	L/R	BATT
48	Y	VIGN

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	HS30FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	Y/B	-
5	SB	-

Connector No.	F63
Connector Name	OIL PRESSURE SWITCH
Connector Type	ED1FGY-RS-AR



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

A
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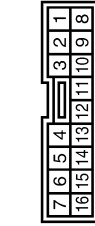
WCS

COMBINATION METER

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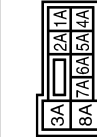
METER

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK16GY-IV



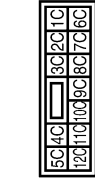
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
3	G/R	-
4	G/B	-
5	R	-
6	L/R	-
8	P	-
10	Y/B	-
11	BR/M	-
12	BR	-
13	G	-
14	B	-
15	O	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



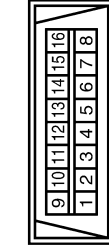
Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

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



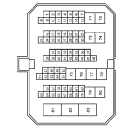
Terminal No.	Color of Wire	Signal Name [Specification]
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-
10C	SB	-
11C	R	-
12C	O	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	W	-
6	L	-
7	O	-
8	G	-
14	P	-
16	Y	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	P	-
4	O	-
5	O	-
6	G	-
8	R	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
23	P	-
24	Y	-
25	L	-
26	L	-
27	O	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-

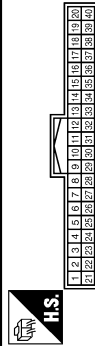
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

COMBINATION METER

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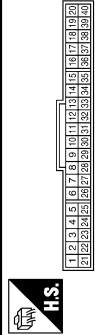
METER

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40PW-NH



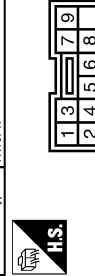
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
6	SB	TRIP RESET SWITCH
7	W	SW ILL POWER
8	O	METER CONTROL SW GND
9	L	ENTER SWITCH
10	R	SELECT SWITCH
11	R	ILLUMINATION CONTROL SWITCH (10/16w automatic drive position)
12	Y	ILLUMINATION CONTROL SWITCH (10/16w automatic drive position)
13	Y	ILLUMINATION CONTROL SWITCH (10/16w automatic drive position)
14	GR	ILLUMINATION CONTROL SWITCH (-)
15	BR	AIR BAG
16	L	AMBIENT SENSOR
17	P	AMBIENT SENSOR POWER
18	L	AMBIENT SENSOR GROUND
19	P	CAN-H
20	Y	CAN-L
21	L	GROUND
22	P	GROUND
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	ER	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
28	R	WASHER LEVEL SWITCH
29	P	VEHICLE SPEED (2-PULSE)
30	P	VEHICLE SPEED (8-PULSE)
31	V	OD OFF/SPORTS
32	LG	FUEL LEVEL SENSOR
33	G	FUEL LEVEL SENSOR
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	SAB40PW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
3	L	TX(AMP)SW&DISP
4	P	RX(SW)AMP
5	L	LAN SIG
6	L	LAN SIG
7	R	VACTR
8	O	SUN SENS
9	G	INTAKE SENS
10	R	ACC
11	L	IGN
12	B	RR DEF F/B
13	G	RR DEF F/B
14	GR	RR DEF ON
15	BR	FAN PWM
16	L	FAN PWM
17	P	AMB POWER
18	L	AMB SENS
19	L	INCAR SENS
20	Y	SENS GND
21	Y	SENS GND
22	B	GND/POWER
23	B	BAT
24	Y	BAT

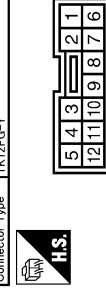
Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TK10FW



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

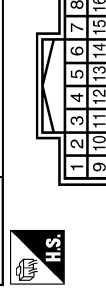
6	P	-
7	B	-
8	V	-
9	V	-

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



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

Connector No.	M69
Connector Name	AWD CONTROL UNIT
Connector Type	TH10FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	AWD SOL+
2	L	AWD SOL-
7	R	IGN
8	L	CAN-H
9	G	SOL BATT
10	B	GND

11	B	GND
14	Y	LOCK SW
16	P	CAN-E

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR1+
4	Y	INFLATOR DR1-RDR2-
5	Y	INFLATOR ASI+
6	Y	INFLATOR ASI-
11	SB	EC2S+
12	V	EC2S-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE
21	L	CAN HI
24	R	SEATBELT W/L
45	Y	INFLATOR DR2+
46	P	CAN LO
47	Y	INFLATOR AS2+
48	Y	INFLATOR AS2-
49	V	ODS INPUT

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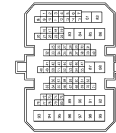


COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

METER

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80YW-CST19

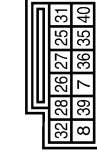


Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	B	-
3	W	-
4	R	-
5	Y	-
6	W	-
7	G	-
8	SHIELD	-
9	W	-
10	R	-
11	G	-
12	B	-
13	O	-
14	R	-
15	SB	-
16	R	-
17	V	-
18	P	-
19	P	-
20	LG	-
21	Y	-
22	O	-
23	LG	-
24	SB	-
25	Y	-
27	Y	-
28	R	-
30	Y	-
31	W	-
32	BR	-
34	Y	-
35	SHIELD	-
36	G	-
37	Y	-
40	O	-
41	O	-
42	SB	-
43	L	-

44	V	-
45	P	-
46	R	-
47	Y	-
48	L	-
49	G	-
50	SHIELD	-
51	W	-
52	B	-
53	BR	-
54	B	-
55	G	-
56	P	-
57	L	-
58	SB	-
59	SHIELD	-
60	B	-
61	R	-
62	W	-
63	O	-
64	Y	-
65	L	-
66	R	-
67	G	-
68	G	-
69	SHIELD	-
70	L	-
71	R	-
72	LG	-
73	Y	-
74	R	-
75	P	-
76	L	-
77	BR	-
78	SHIELD	-
79	B	-
80	W	-
81	LG	-
82	L	-
83	W	-
84	R	-
85	GR	-
86	W	-
87	R	-
88	G	-
89	B	-
90	G	-
91	G	-
92	BR	-
93	P	-
94	V	-

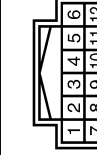
95	O	-
96	SB	-
97	L	-
98	LG	-
99	Y	-

Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH-
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

Connector No.	M83
Connector Name	METER CONTROL SWITCH
Connector Type	TH12FW-NH



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

6	V	-
6	Y	- [With automatic drive positioner]
11	SB	- [Without automatic drive positioner]
12	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	B	ROOM ANT2-
73	W	ROOM ANT2+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	IMMOBI ANTENNA CONTROL
81	O	IMMOBI ANTENNA SIGNAL
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER SIGNAL
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	GAN-L
91	L	GAN-H
92	R	KEY/SLOT ILL
93	P	ON IND
85	L	ACC RELAY CONT
86	Y	CVT SHIFT SELECTOR POWER SUPPLY
97	O	S/L CONDITION 1
98	L	S/L CONDITION 2
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER FAN MOTOR RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	Y	S/L POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW
111	LG	S/L COMM

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

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Connector No.	M129
Connector Name	AV CONTROL UNIT (WITH BOSE SYSTEM WITHOUT NAVIGATION SYSTEM)
Connector Type	TH24FW-NH



47 46 45 44 43 42 41 40 39 38 37 36
59 58 57 56 55 54 53 52 51 50 49 48

Terminal No.	Color of Wire	Signal Name [Specification]
36	L	COMPOSITE IMAGE SIGNAL
37	P	COMPOSITE IMAGE GND
38	Y	RGB (B/BLUE) SIGNAL
39	L	RGB (G/GREEN) SIGNAL
40	G	RGB (R/RED) SIGNAL
41	B	RGB SYNC
42	SHIELD	SHIELD
43	W	RGB AREA (YS) SIGNAL
44	G	COMM (DISP->CONT)
45	G	HP
46	LG	SIGNAL GND
47	O	SIGNAL VCC
48	SHIELD	SHIELD
50	SHIELD	SHIELD
55	SHIELD	SHIELD
56	R	COMM (CONT->DISP)
57	R	VP
58	BR	INVERTER GND
59	Y	INVERTER VCC

Connector No.	M131
Connector Name	AV CONTROL UNIT (WITH BOSE SYSTEM WITHOUT NAVIGATION SYSTEM)
Connector Type	TH22FW-NH



91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76
107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92

Terminal No.	Color of Wire	Signal Name [Specification]
79	L	TEL VOICE SIGNAL (-)
80	R	TEL VOICE SIGNAL (+)
81	SHIELD	SHIELD

Terminal No.	Color of Wire	Signal Name [Specification]
82	W	SOUND SIGNAL RH (-) [With DVD player]
82	W	#Red SOUND SIGNAL RH (-) [Without DVD player]
83	R	SOUND SIGNAL LH (+) [With DVD player]
83	R	#Red SOUND SIGNAL LH (+) [Without DVD player]
85	B	GND
86	L	CAN-H
87	P	CAN-L
88	R	AV COMM (H)
89	L	AV COMM (L)
90	G	AV COMM (H)
91	L	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	B	AUX SOUND SIGNAL LH (+)
97	W	AUX SOUND SIGNAL GND
98	G	SOUND SIGNAL LH (-) [With DVD player]
98	L	#Red SOUND SIGNAL LH (-) [Without DVD player]
99	B	SOUND SIGNAL LH (+) [With DVD player]
99	BR	#Red SOUND SIGNAL LH (+) [Without DVD player]
100	SHIELD	SHIELD [With DVD player]
100	SHIELD	SHIELD [Without DVD player]
101	V	SW GND
103	W	EJECT SIGNAL
104	G	IGNITION
105	SB	REVERSE
106	G	PARKING BRAKE
107	V	VEHICLE SPEED (δ-PULSE)

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH40FW-NH



23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

Terminal No.	Color of Wire	Signal Name [Specification]
21	B	GND
22	Y	BATTERY
23	B	GND
24	Y	BATTERY
25	R	ACC
26	B	MICROPHONE VCC
27	SHIELD	MICROPHONE GND
28	W	MICROPHONE SIGNAL
35	G	IGNITION
36	G	PARKING BRAKE

Terminal No.	Color of Wire	Signal Name [Specification]
37	SB	REVERSE
38	V	VEHICLE SPEED (δ-PULSE)
40	P	CONNECTION RECOGNITION
42	B	CONTROL SIGNAL
43	G	CONTROL SIGNAL
48	G	AV COMM (H)
49	L	AV COMM (L)
50	R	AV COMM (H)
51	L	AV COMM (L)
52	L	CAN-H
53	P	CAN-L

Connector No.	M146
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH12FW-NH



62 64 66 68 70 72
61 63 65 67 69 71

Terminal No.	Color of Wire	Signal Name [Specification]
61	G	RGB (R/RED) SIGNAL
62	R	RGB (G/GREEN) SIGNAL
63	W	RGB (B/BLUE) SIGNAL
64	SHIELD	SHIELD
65	B	RGB SYNC
66	SHIELD	SHIELD
67	W	RGB AREA (YS) SIGNAL
68	B	HP
69	R	VP
70	R	COMM (CONT->DISP)
71	G	COMM (DISP->CONT)
72	SHIELD	SHIELD

Fail-Safe

FAIL-SAFE

The combination meter activates the fail-safe control if CAN communication with each unit is malfunctioning.

JCNWM3149GB

INFOID:000000005688800

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Function		Specifications
Speedometer		Reset to zero by suspending communication.
Tachometer		
Engine coolant temperature gauge		
Illumination control		When suspending communication, changes to nighttime mode.
Information display	Door open warning	The display turns off by suspending communication.
	Parking brake release warning	
	Instantaneous fuel warning	<ul style="list-style-type: none"> When reception time of an abnormal signal is 2 seconds or less, the last received datum is used for calculation to indicate the result. When reception time of an abnormal signal is more than two seconds, the last result calculated during normal condition is indicated.
	Average fuel consumption	
	Average vehicle speed	
	Travel distance	
Buzzer		The buzzer turns off by suspending communication.
Warning lamp/indicator lamp	ABS warning lamp	The lamp turns on by suspending communication.
	VDC OFF indicator lamp	
	SLIP indicator lamp	
	Brake warning lamp	
	AWD warning lamp	
	Malfunction indicator lamp	
	Low tire pressure warning lamp	The lamp turns ON after flashing for 1 minute.
	High beam indicator lamp	The lamp turns off by suspending communication.
	Turn signal indicator lamp	
	Light indicator lamp	
	Oil pressure warning lamp	
	CRUISE indicator lamp	
	O/D OFF indicator lamp	
	AWD LOCK indicator lamp	
Key warning lamp		

DTC Index

INFOID:000000005688801

Display contents of CONSULT-III	Diagnostic item is detected when ...	Refer to
CAN COMM CIRCUIT [U1000]	When combination meter is not transmitting or receiving CAN communication signal for 2 seconds or more.	MWI-38. "Diagnosis Procedure"
CONTROL UNIT (CAN) [U1010]	When detecting error during the initial diagnosis of the CAN controller of combination meter.	MWI-39. "Diagnosis Procedure"
VEHICLE SPEED [B2205]	The abnormal vehicle speed signal is input from the ABS actuator and electric unit (control unit) for 2 seconds or more.	MWI-40. "Diagnosis Procedure"
ENGINE SPEED [B2267]	If ECM continuously transmits abnormal engine speed signals for 2 seconds or more.	MWI-41. "Diagnosis Procedure"
WATER TEMP [B2268]	If ECM continuously transmits abnormal engine coolant temperature signals for 60 seconds or more.	MWI-42. "Diagnosis Procedure"

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000005688804

VALUES ON THE DIAGNOSIS TOOL

CONSULT-III MONITOR ITEM

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On
DOOR SW-RR	Rear RH door closed	Off
	Rear RH door opened	On
DOOR SW-RL	Rear LH door closed	Off
	Rear LH door opened	On
DOOR SW-BK	Back door closed	Off
	Back door opened	On
CDL LOCK SW	Other than power door lock switch LOCK	Off
	Power door lock switch LOCK	On
CDL UNLOCK SW	Other than power door lock switch UNLOCK	Off
	Power door lock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW NOTE: For models with BOSE audio system this item is not monitored.	Rear window defogger switch OFF	Off
	Rear window defogger switch ON	On
TR CANCEL SW	NOTE: The item is indicated, but not monitored.	Off
TR/BD OPEN SW	Back door opener switch OFF	Off
	While the back door opener switch is turned ON	On
TRNK/HAT MNTR	NOTE: The item is indicated, but not monitored.	Off
RKE-LOCK	LOCK button of Intelligent Key is not pressed	Off
	LOCK button of Intelligent Key is pressed	On
RKE-UNLOCK	UNLOCK button of Intelligent Key is not pressed	Off
	UNLOCK button of Intelligent Key is pressed	On
RKE-TR/BD	BACK DOOR OPEN button of Intelligent Key is not pressed	Off
	BACK DOOR OPEN button of Intelligent Key is pressed	On
RKE-PANIC	PANIC button of Intelligent Key is not pressed	Off
	PANIC button of Intelligent Key is pressed	On
RKE-P/W OPEN	UNLOCK button of Intelligent Key is not pressed	Off
	UNLOCK button of Intelligent Key is pressed and held	On
RKE-MODE CHG	LOCK/UNLOCK button of Intelligent Key is not pressed and held simultaneously	Off
	LOCK/UNLOCK button of Intelligent Key is pressed and held simultaneously	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V	A
	Dark outside of the vehicle	Close to 0 V	
REQ SW -DR	Driver door request switch is not pressed	Off	B
	Driver door request switch is pressed	On	
REQ SW -AS	Passenger door request switch is not pressed	Off	C
	Passenger door request switch is pressed	On	
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	D
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	D
REQ SW -BD/TR	Back door request switch is not pressed	Off	E
	Back door request switch is pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	F
	Push-button ignition switch (push switch) is pressed	On	
IGN RLY2 -F/B	Ignition switch in OFF or ACC position	Off	G
	Ignition switch in ON position	On	
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off	G
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off	H
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off	I
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On	
BRAKE SW 2	The brake pedal is not depressed	Off	J
	Stop lamp switch 1 signal circuit is normal	On	
DETE/CANCL SW	Selector lever in P position	Off	K
	Selector lever in any position other than P	On	
SFT PN/N SW	Selector lever in any position other than P and N	Off	K
	Selector lever in P or N position	On	
S/L -LOCK NOTE: For models without steering lock unit this item is not displayed.	Steering is unlocked	Off	L
	Steering is locked	On	
S/L -UNLOCK NOTE: For models without steering lock unit this item is not displayed.	Steering is locked	Off	M
	Steering is unlocked	On	
S/L RELAY-F/B NOTE: For models without steering lock unit this item is not displayed.	Ignition switch in OFF or ACC position	Off	WCS
	Ignition switch in ON position	On	
UNLK SEN -DR	Driver door is unlocked	Off	O
	Driver door is locked	On	
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	P
	Push-button ignition switch (push-switch) is pressed	On	
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off	
	Ignition switch in ON position	On	
DETE SW -IPDM	Selector lever in any position other than P	Off	
	Selector lever in P position	On	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
SFT PN -IPDM	Selector lever in any position other than P and N	Off
	Selector lever in P or N position	On
SFT P -MET	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
	Selector lever in N position	On
ENGINE STATE	Engine stopped	Stop
	While the engine stalls	Stall
	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM NOTE: For models without steering lock unit this item is not displayed.	Steering is unlocked	Off
	Steering is locked	On
S/L UNLK-IPDM NOTE: For models without steering lock unit this item is not displayed.	Steering is locked	Off
	Steering is unlocked	On
S/L RELAY-REQ NOTE: For models without steering lock unit this item is not displayed.	Steering lock system is not the LOCK condition and the changing condition from LOCK to UNLOCK.	Off
	Steering lock system is the LOCK condition or the changing condition from LOCK to UNLOCK.	On
VEH SPEED 1	While driving	Equivalent to speedometer reading
VEH SPEED 2	While driving	Equivalent to speedometer reading
DOOR STAT-DR	Driver door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Driver door is unlocked	UNLOCK
DOOR STAT-AS	Passenger door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Passenger door is unlocked	UNLOCK
ID OK FLAG	Power supply position in LOCK position	Reset
	Power supply position in any position other than LOCK	Set
PRMT ENG STRT	The engine start is prohibited	Reset
	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
KEY SW -SLOT	Intelligent Key is not inserted into key slot	Off
	Intelligent Key is inserted into key slot	On
RKE OPE COUN1	During the operation of Intelligent Key	Operation frequency of Intelligent Key
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	—
CONFRM ID ALL	The Intelligent Key ID that the key slot receives is not recognized by any Intelligent Key ID registered to BCM.	Yet
	The Intelligent Key ID that the key slot receives is recognized by any Intelligent Key ID registered to BCM.	Done

BCM (BODY CONTROL MODULE)

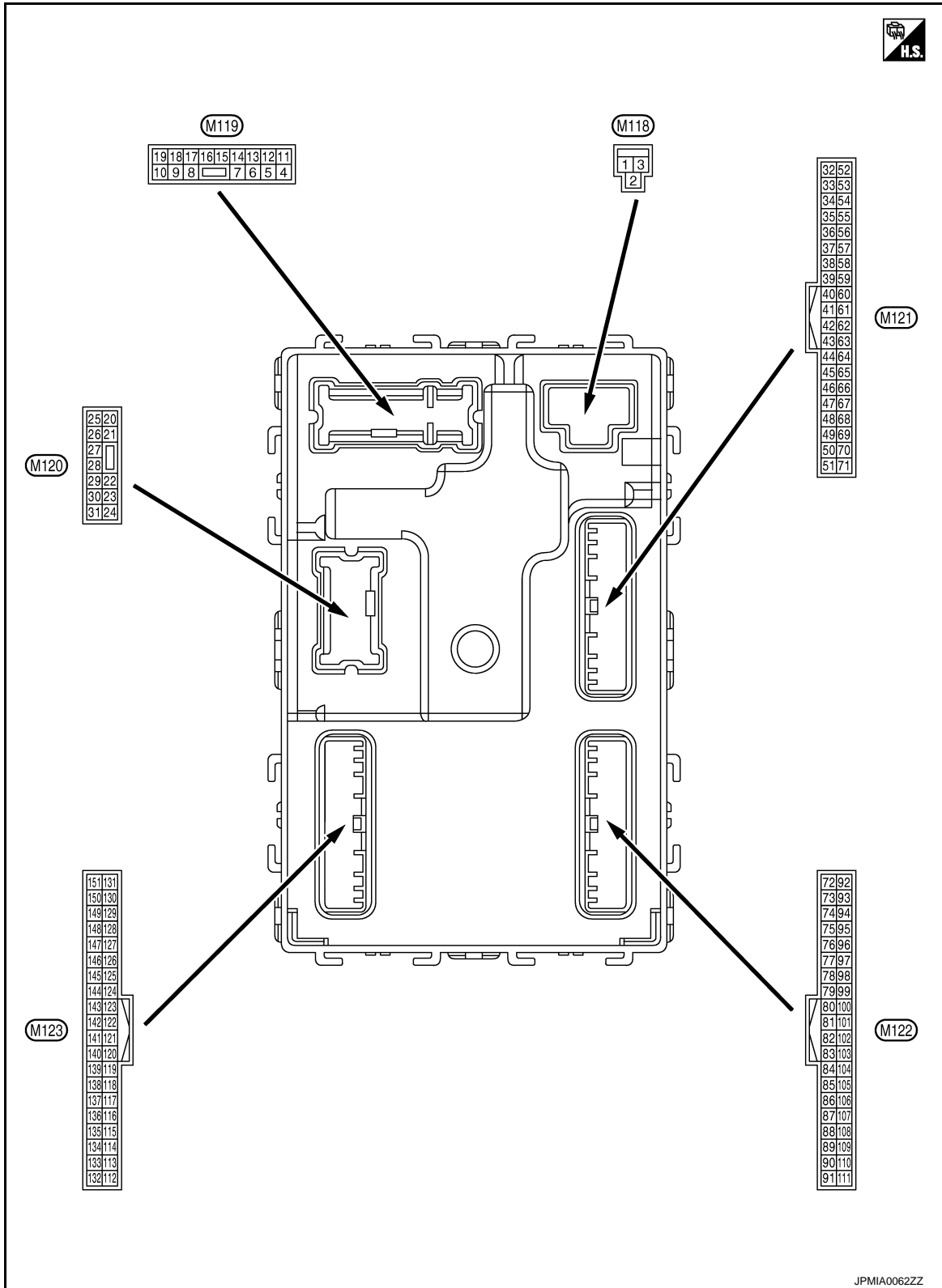
< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
CONFIRM ID4	The Intelligent Key ID that the key slot receives is not recognized by the fourth Intelligent Key ID registered to BCM.	Yet	A
	The Intelligent Key ID that the key slot receives is recognized by the fourth Intelligent Key ID registered to BCM.	Done	B
CONFIRM ID3	The Intelligent Key ID that the key slot receives is not recognized by the third Intelligent Key ID registered to BCM.	Yet	C
	The Intelligent Key ID that the key slot receives is recognized by the third Intelligent Key ID registered to BCM.	Done	
CONFIRM ID2	The Intelligent Key ID that the key slot receives is not recognized by the second Intelligent Key ID registered to BCM.	Yet	D
	The Intelligent Key ID that the key slot receives is recognized by the second Intelligent Key ID registered to BCM.	Done	
CONFIRM ID1	The Intelligent Key ID that the key slot receives is not recognized by the first Intelligent Key ID registered to BCM.	Yet	E
	The Intelligent Key ID that the key slot receives is recognized by the first Intelligent Key ID registered to BCM.	Done	F
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet	G
	The ID of fourth Intelligent Key is registered to BCM	Done	
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet	H
	The ID of third Intelligent Key is registered to BCM	Done	
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet	I
	The ID of second Intelligent Key is registered to BCM	Done	
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet	J
	The ID of first Intelligent Key is registered to BCM	Done	
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire	K
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire	L
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire	M
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire	
ID REGST FL1	ID of front LH tire transmitter is registered	Done	O
	ID of front LH tire transmitter is not registered	Yet	
ID REGST FR1	ID of front RH tire transmitter is registered	Done	P
	ID of front RH tire transmitter is not registered	Yet	
ID REGST RR1	ID of rear RH tire transmitter is registered	Done	WCS
	ID of rear RH tire transmitter is not registered	Yet	
ID REGST RL1	ID of rear LH tire transmitter is registered	Done	
	ID of rear LH tire transmitter is not registered	Yet	
WARNING LAMP	Tire pressure indicator OFF	Off	
	Tire pressure indicator ON	On	
BUZZER	Tire pressure warning alarm is not sounding	Off	
	Tire pressure warning alarm is sounding	On	

BCM (BODY CONTROL MODULE)

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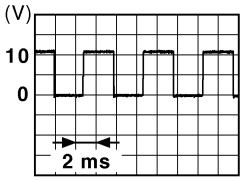
TERMINAL LAYOUT



PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

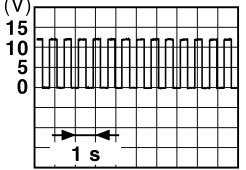
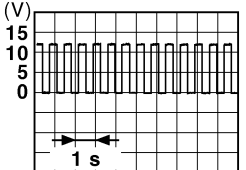
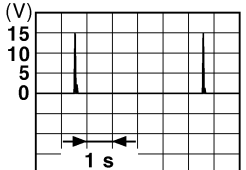
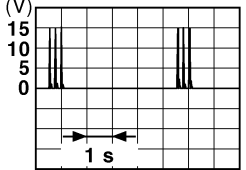
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (GR)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (L)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery voltage
4 (P)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		Battery voltage
5 (G)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
7 (W)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	Battery voltage
8 (V)	Ground	All doors LOCK	Output	All doors	LOCK (Actuator is activated)	Battery voltage
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door UNLOCK	Output	Driver door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
10 (P)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
11 (LG)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (O)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p>NOTE: When the illumination brightening/dimming level is in the neutral position</p>  <p style="text-align: right; font-size: small;">JSNIA0010GB</p>
15 (L)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK and ON indicator lamps are not illuminated.)	Battery voltage
					ACC	0 V

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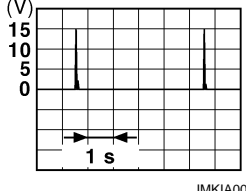
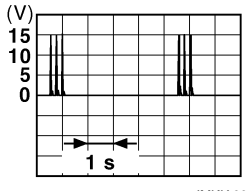
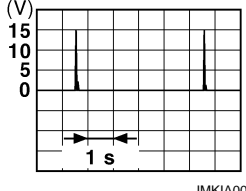
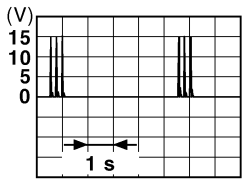
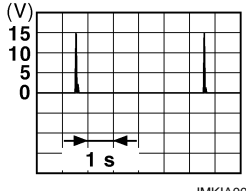
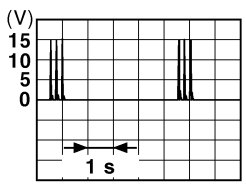
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
17 (G)	Ground	Turn signal RH	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
18 (BR)	Ground	Turn signal LH	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
19 (Y)	Ground	Room lamp timer control	Output	Interior room lamp	OFF	Battery voltage
					ON	0 V
23 (BR)	Ground	Back door open	Output	Back door	OPEN (Back door opener actuator is activated)	Battery voltage
					Other than OPEN (Back door opener actuator is not activated)	0 V
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped)	0 V
					ON (Operated)	Battery voltage
34 (B)	Ground	Luggage room anten- na (-)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					When Intelligent Key is not in the passenger compart- ment	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

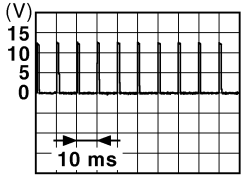
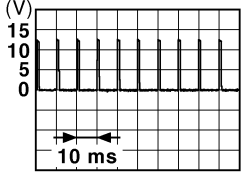
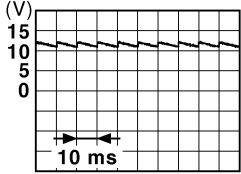
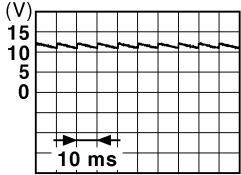
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
35 (W)	Ground	Luggage room antenna (+)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compartment 
					When Intelligent Key is not in the passenger compartment 
38 (L)	Ground	Rear bumper antenna (-)	Output	When the back door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area 
					When Intelligent Key is not in the antenna detection area 
39 (BR)	Ground	Rear bumper antenna (+)	Output	When the back door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area 
					When Intelligent Key is not in the antenna detection area 
47 (L)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC Battery voltage
					ON 0 V

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WCS

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
52 (R)	Ground	Starter relay control	Output	Ignition switch ON	When selector lever is in P or N position	Battery voltage
					When selector lever is not in P or N position	0.3 V
				Ignition switch OFF		0 V
61 (R)	Ground	Back door request switch	Input	Back door re- quest switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMA0016GB</p>
						1.0 V
64 (GR)	Ground	Warning buzzer	Output	Warning buzzer	Sounding	0 V
					Not sounding	Battery voltage
65 (O)	Ground	Rear wiper stop posi- tion	Input	Rear wiper	In stop position	 <p style="text-align: right; font-size: small;">JPMA0016GB</p>
						1.0 V
66 (Y)	Ground	Back door switch	Input	Back door switch	OFF (When back door closes)	 <p style="text-align: right; font-size: small;">JPMA0011GB</p>
					11.8 V	
						0 V
67 (LG)	Ground	Back door opener switch	Input	Back door opener switch	Pressed	0 V
					Not pressed	 <p style="text-align: right; font-size: small;">JPMA0011GB</p>
						11.8 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
68 (W)	Ground	Rear RH door switch	Input	Rear RH door switch	<p>11.8 V</p>
				OFF (When rear RH door closes)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	<p>11.8 V</p>
				OFF (When rear LH door closes)	0 V
72 (B)	Ground	Room antenna (-) (Center console)	Output	Ignition switch OFF	
				When Intelligent Key is in the passenger compartment	

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WCS

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
73 (W)	Ground	Room antenna (+) (Center console)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
74 (Y)	Ground	Passenger door an- tenna (-)	Output	When the pas- senger door re- quest switch is operated with ig- nition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
75 (LG)	Ground	Passenger door an- tenna (+)	Output	When the pas- senger door re- quest switch is operated with ig- nition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

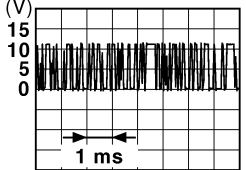
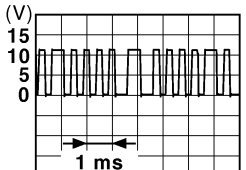

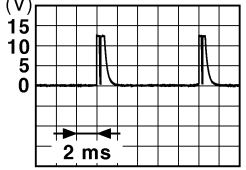

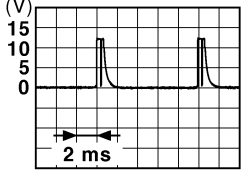
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
76 (V)	Ground	Driver door antenna (-)	Output	When the driver door request switch is operated with ignition switch OFF		
				When Intelligent Key is in the antenna detection area		
77 (P)	Ground	Driver door antenna (+)	Output	When the driver door request switch is operated with ignition switch OFF		
				When Intelligent Key is not in the antenna detection area		
80 (SB)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (O)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (BR)	Ground	Ignition relay [fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage

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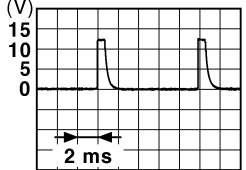
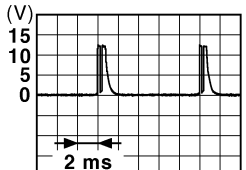
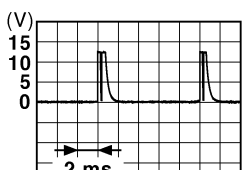
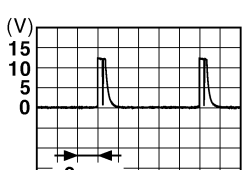

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
83 (P)	Ground	Remote keyless entry receiver communication	Input/ Output	During waiting	 <small style="display: block; text-align: right;">JMKIA0064GB</small>	
				When operating either button on Intelligent Key	 <small style="display: block; text-align: right;">JMKIA0065GB</small>	
87 (R)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <small style="display: block; text-align: right;">JPMIA0041GB</small> 1.4 V
					Front fog lamp switch ON (Wiper intermittent dial 4)	 <small style="display: block; text-align: right;">JPMIA0037GB</small> 1.3 V
					Rear wiper switch ON (Wiper intermittent dial 4)	 <small style="display: block; text-align: right;">JPMIA0039GB</small> 1.3 V
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	 <small style="display: block; text-align: right;">JPMIA0040GB</small> 1.3 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

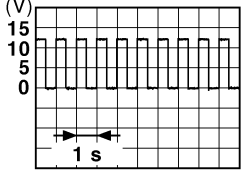
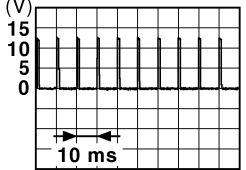
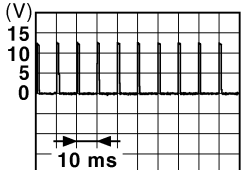
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (GR)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right;">1.4 V</p>
					Lighting switch HI (Wiper intermittent dial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

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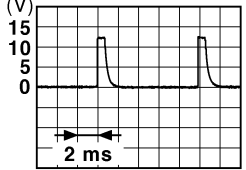
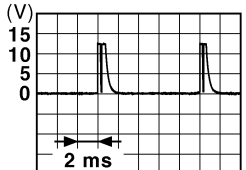

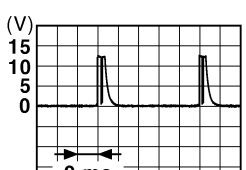

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
92 (R)	Ground	Key slot illumination	Output	Key slot illumination	OFF	0 V
					Blinking	 <p style="text-align: right; font-size: small;">JPMA0015GB</p>
93 (P)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK and ACC indicator lamps are not illuminated.)	Battery voltage
					ON	0 V
95 (L)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	Battery voltage
96 (Y)	Ground	CVT shift selector (detention switch) power supply	Output	—	Battery voltage	
97*1 (O)	Ground	Steering lock condition No. 1	Input	Steering lock	LOCK status	0 V
					UNLOCK status	Battery voltage
98*1 (L)	Ground	Steering lock condition No. 2	Input	Steering lock	LOCK status	Battery voltage
					UNLOCK status	0 V
99 (V)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	Battery voltage
100 (P)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMA0016GB</p>
101 (W)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMA0016GB</p>
102 (Y)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
103 (L)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF	Battery voltage	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

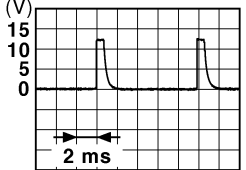
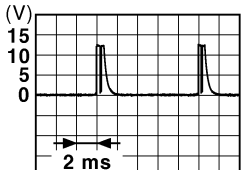
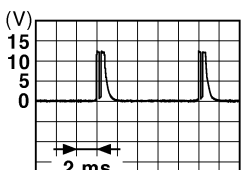
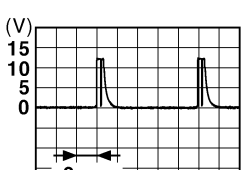
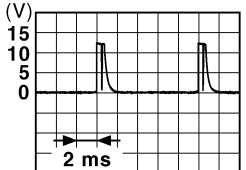
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
106*1 (Y)	Ground	Steering lock unit power supply	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
107 (O)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermittent dial 4)	All switches OFF	 <p style="text-align: center;">1.4 V</p>
					Turn signal switch LH	 <p style="text-align: center;">1.3 V</p>
					Turn signal switch RH	 <p style="text-align: center;">1.3 V</p>
					Front wiper switch LO	 <p style="text-align: center;">1.3 V</p>
					Front washer switch ON	 <p style="text-align: center;">1.3 V</p>

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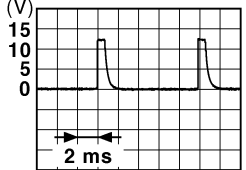
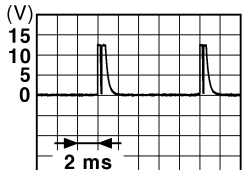

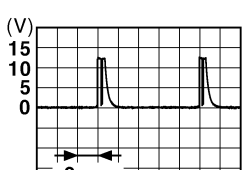

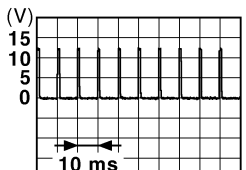
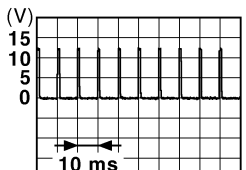
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (P)	Ground	Combination switch INPUT 4	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch AUTO (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0038GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 1ST (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0036GB</p> <p style="text-align: center;">1.3 V</p>
					Rear wiper switch INT (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0040GB</p> <p style="text-align: center;">1.3 V</p>
					Any of the conditions below with all switches OFF	<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6  <p style="text-align: right; font-size: small;">JPMA0039GB</p> <p style="text-align: center;">1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

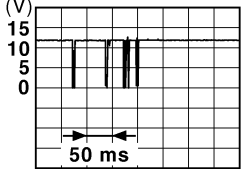
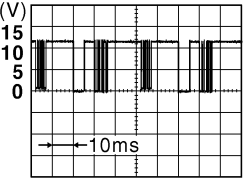
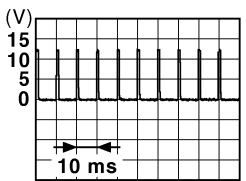
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
109 (SB)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	 1.4 V
					Lighting switch PASS	 1.3 V
					Lighting switch 2ND	 1.3 V
					Front wiper switch INT/ AUTO	 1.3 V
					Front wiper switch HI	 1.3 V
					ON	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	 1.1 V	
				OFF	 1.1 V	

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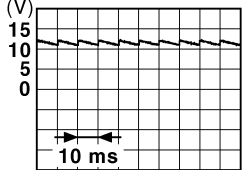
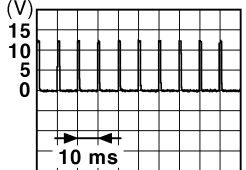
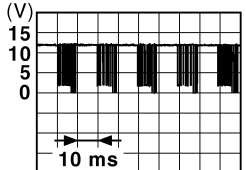
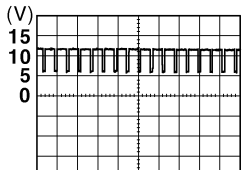
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
111*1 (LG)	Ground	Steering lock unit communication	Input/ Output	Steering lock	LOCK status	Battery voltage
					LOCK or UNLOCK	 <p style="text-align: right; font-size: small;">JMKIA0066GB</p>
					For 15 seconds after UN- LOCK	Battery voltage
				15 seconds or later after UNLOCK	0 V	
112 (R)	Ground	Rain sensor serial link	Input/ Output	Ignition switch ON	 <p style="text-align: right; font-size: small;">JPMIA0156GB</p>	
					8.7 V	
113 (O)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
				When dark outside of the vehicle	Close to 0 V	
116 (GR)	Ground	Stop lamp switch 1	Input	—	Battery voltage	
118 (L)	Ground	Stop lamp switch 2	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
119 (W)	Ground	Front door lock as- sembly driver side (Unlock sensor)	Input	Driver door	LOCK status (unlock sen- sor switch OFF)	 <p style="text-align: right; font-size: small;">JPMIA0012GB</p>
					UNLOCK status (unlock sensor switch ON)	1.1 V
					0 V	
121 (Y)	Ground	Key slot switch	Input	When Intelligent Key is inserted into key slot	Battery voltage	
				When Intelligent Key is not inserted into key slot	0 V	
123 (G)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
				ON	Battery voltage	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

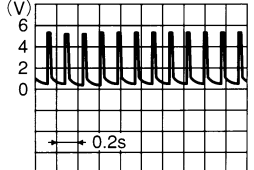

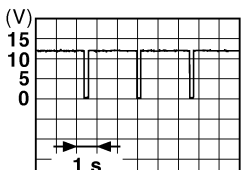
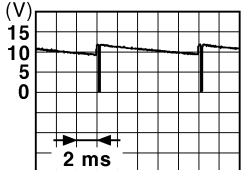
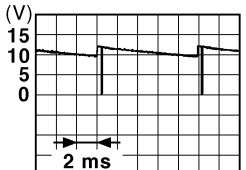
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
124 (R)	Ground	Passenger door switch	Input	Passenger door switch	OFF (When passenger door closes)	 11.8 V
					ON (When passenger door opens)	0 V
130*2 (BR)	Ground	Rear window defog- ger switch	Input	Ignition switch ON	Rear window defogger switch OFF	 1.1 V
					Rear window defogger switch ON	0 V
132 (G)	Ground	Power window switch communication	Input/ Output	Ignition switch ON		 10.2 V
					Ignition switch OFF or ACC	Battery voltage
133 (W)	Ground	Push-button ignition switch illumination	Output	Push-button igni- tion switch illumi- nation	ON (When tail lamps OFF)	9.5 V
					ON (When tail lamps ON)	NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.  9.5 V
				OFF		0 V
134 (R)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF (ACC and ON indica- tor lamps are not illumina- ted.)	Battery voltage
					ON	0 V
137 (P)	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF	0 V
					ACC or ON	5.0 V

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
139 (O)	Ground	Tire pressure receiver communication	Input/ Output	Ignition switch ON	Standby state  OCC3881D
				When receiving the signal from the transmitter  OCC3880D	
140 (GR)	Ground	Selector lever P/N position	Input	Selector lever	P or N position Battery voltage
				Except P and N positions	0 V
141 (O)	Ground	Security indicator	Output	Security indicator	ON 0 V
				Blinking  JPMA0014GB 11.3 V	
				OFF Battery voltage	
142 (L)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermittent dial 4)	All switches OFF 0 V
				Lighting switch 1ST	 JPMA0031GB 10.7 V
				Lighting switch HI	
				Lighting switch 2ND	
Turn signal switch RH					
143 (W)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switches OFF (Wiper intermittent dial 4) 0 V
				Front wiper switch HI (Wiper intermittent dial 4)	 JPMA0032GB 10.7 V
				Rear wiper switch INT (Wiper intermittent dial 4)	
				Any of the conditions below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)		
+	-	Signal name	Input/ Output				
144 (P)	Ground	Combination switch OUTPUT 2	Output	Combination switch	All switches OFF (Wiper intermittent dial 4)	0 V	
					Front washer switch ON (Wiper intermittent dial 4)		
					Rear wiper switch ON (Wiper intermittent dial 4)		
					Rear washer switch ON (Wiper intermittent dial 4)		
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 		10.7 V
145 (V)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V	
					Front wiper switch INT/ AUTO		
					Front wiper switch LO		
					Lighting switch AUTO		10.7 V
146 (Y)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V	
					Front fog lamp switch ON		
					Lighting switch 2ND		
					Lighting switch PASS		
					Turn signal switch LH		10.7 V
149 (W)	Ground	Tire pressure warn- ing check switch	Input	Ignition switch ON		11.8 V	
150 (SB)	Ground	Driver door switch	Input	Driver door switch	OFF (When driver door closes)		11.8 V
					ON (When driver door opens)		

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
151 (G)	Ground	Rear window defogger relay control	Output	Rear window defogger	Active	0 V
					Not activated	Battery voltage

NOTE:

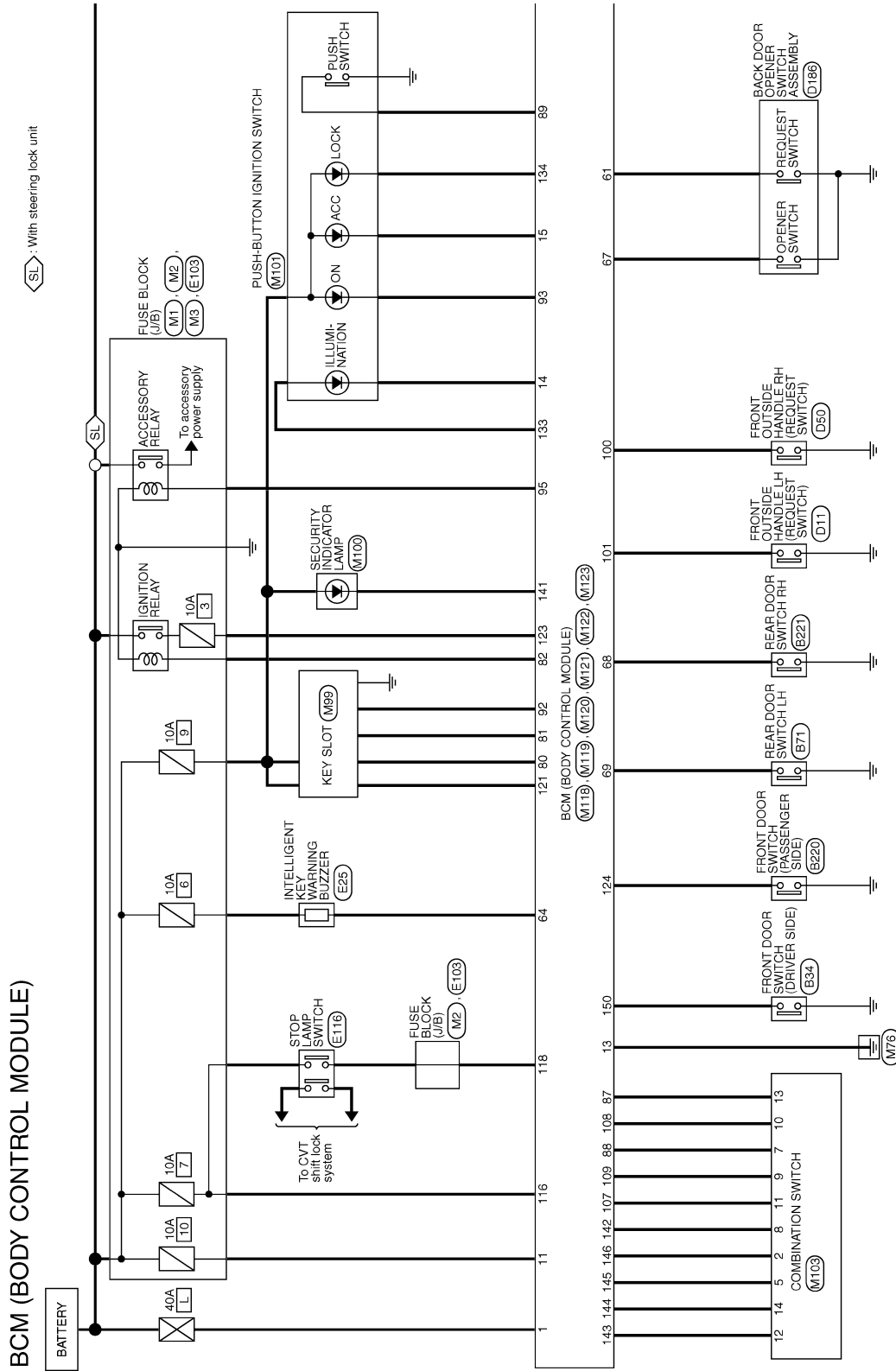
- *1: With steering lock unit
- *2: Without BOSE audio system

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - BCM -

INFOID:000000005688805



SL: With steering lock unit

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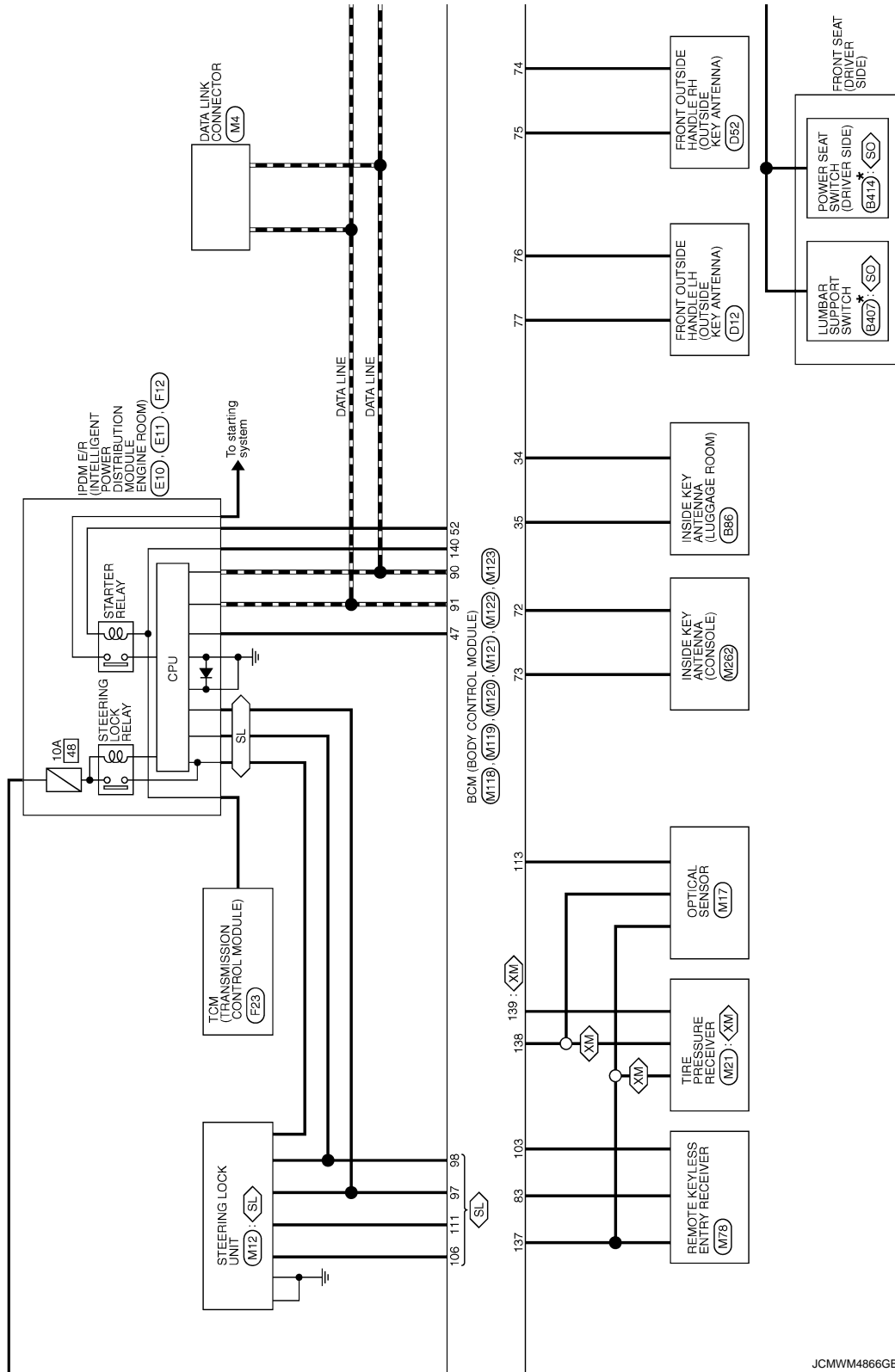
JCMWM4865GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

- : Except for Mexico
- : With power seat without automatic drive positioner
- : With steering lock unit

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



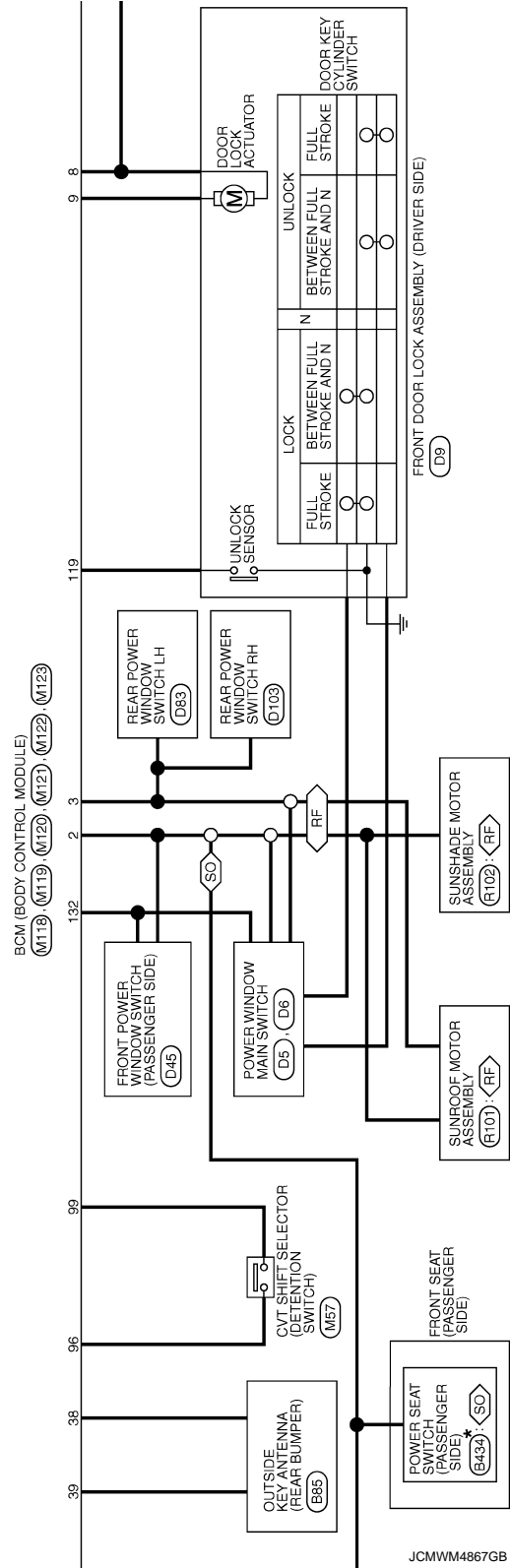
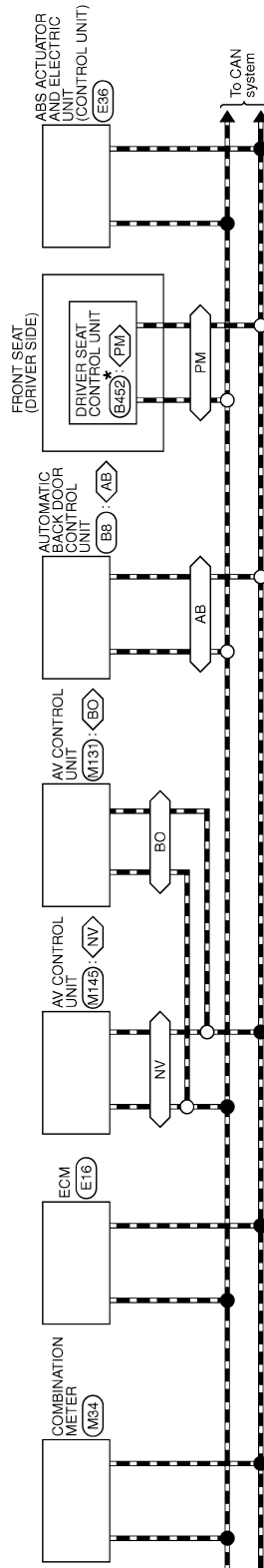
JCMWM4866GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

- ◊NV: With navigation system
- ◊BO: With BOSE system without navigation system
- ◊RF: With sunroof
- ◊PM: With automatic drive positioner
- ◊SO: With power seat without automatic drive positioner
- ◊AB: With automatic back door

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

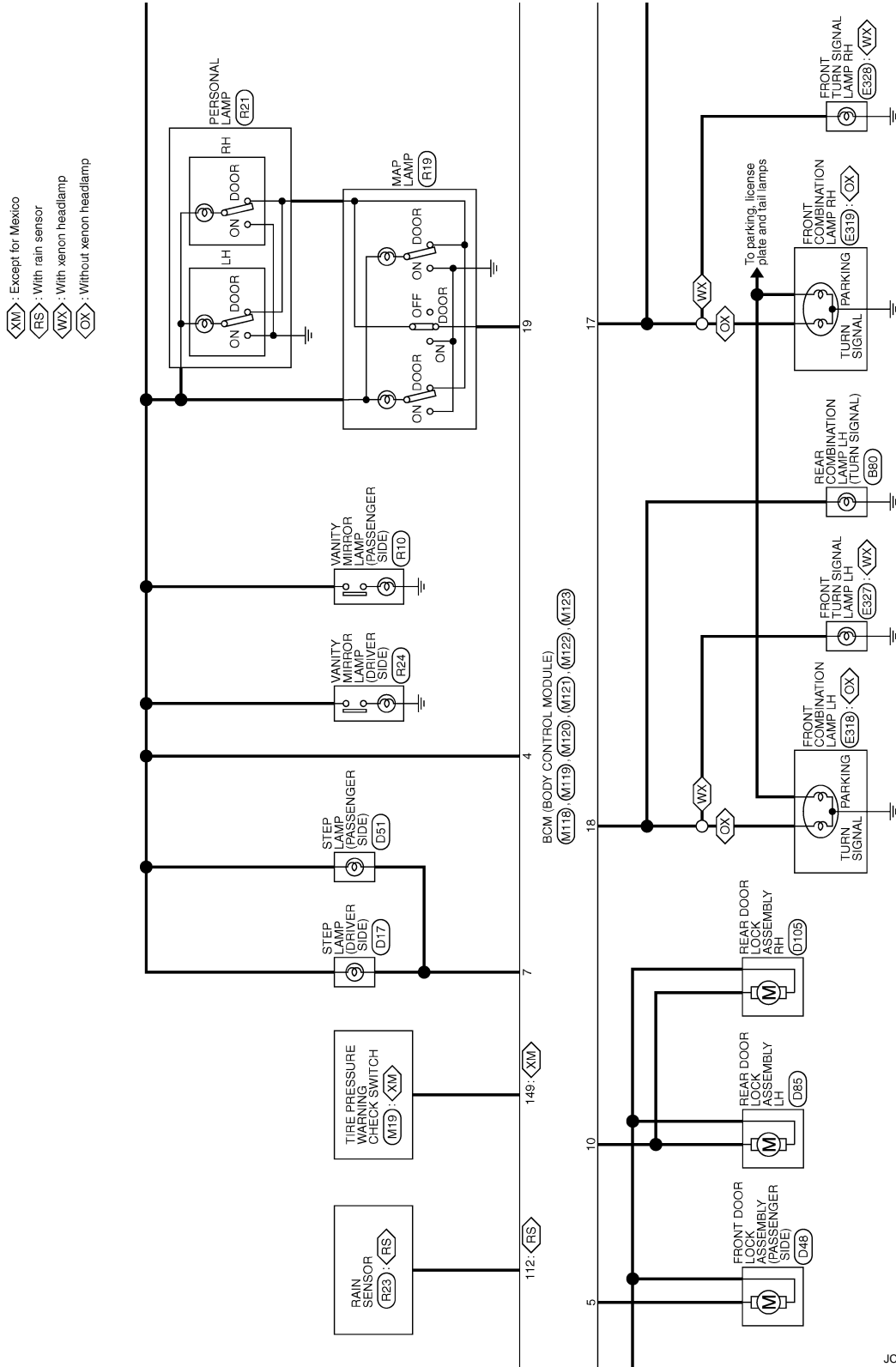


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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

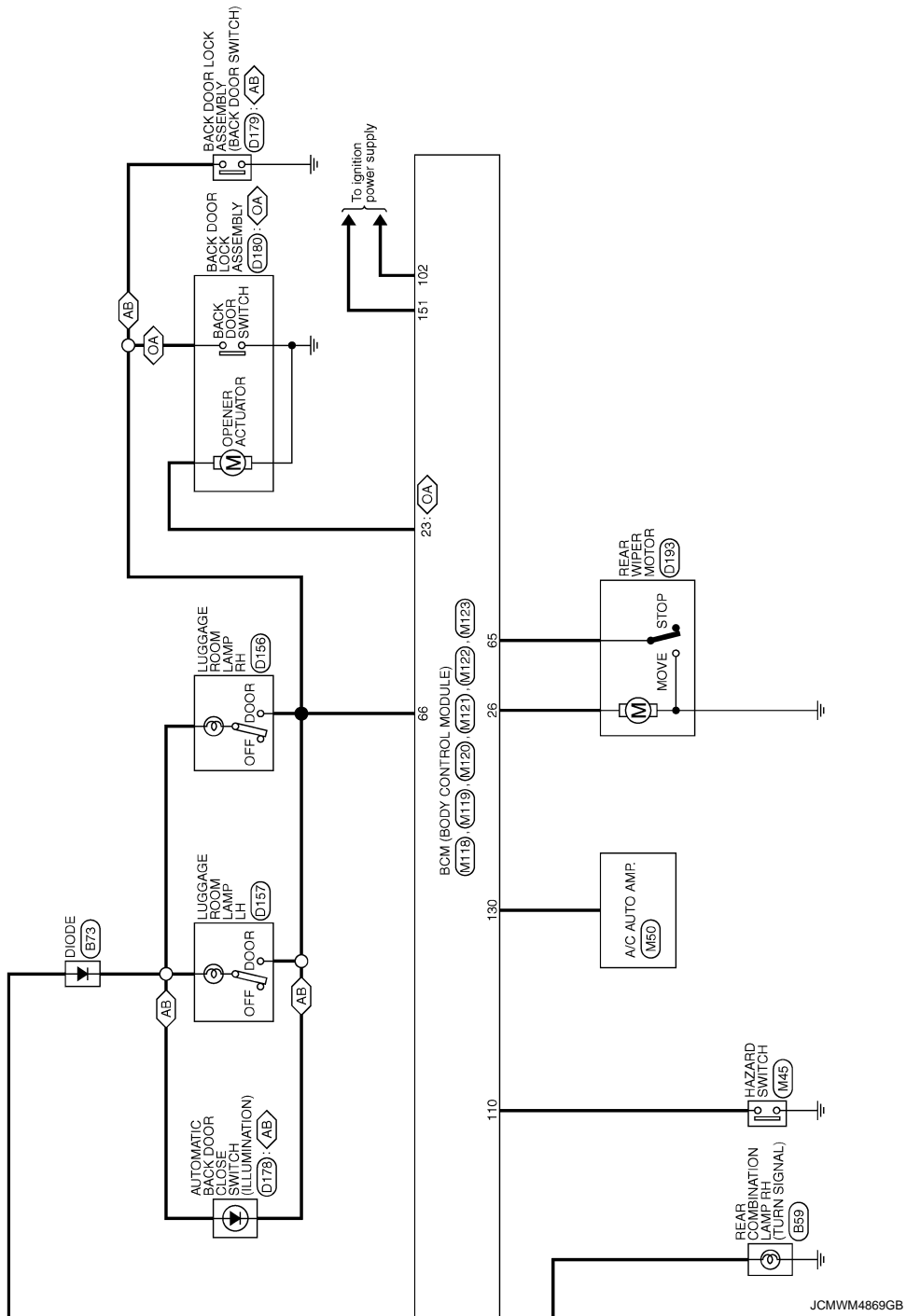


JCMWM4868GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

◊AB◊ : With automatic back door
 ◊OA◊ : Without automatic back door



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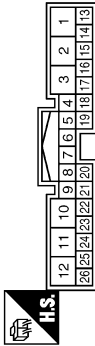
WCS

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

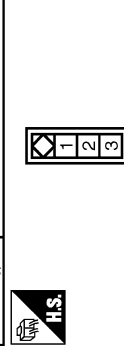
BCM (BODY CONTROL MODULE)

Connector No.	B8
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	THE2FW-TB6



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BUZZER
2	Y	ABD SW
4	Y	ABD CLOSE SW
6	L	CAN HI
7	P	CAN LOW
8	LG	HALF LATCH SW
9	GR	IGN
10	SB	BAT
11	V	CLOSURE MTR (CLOSE)
12	R	CLOSURE MTR (OPEN)
14	V	TOUCH SENS LH
15	O	TOUCH SENS GND
16	W	TOUCH SENS RH
17	LG	MAIN SW
19	P	CLOSE SW
20	L	OPEN SW
21	B	GND
22	B	GND
23	GR	GND
24	BR	ENCODER B
25	Y	ENCODER A
26	G	ENCODER PWR

Connector No.	B84
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1		
2		
3		

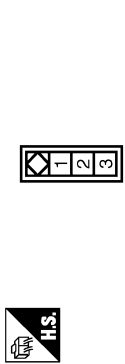
2	SB
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Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS0MMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	[With rear view camera]
2	B/W	[Without rear view camera]
3	BR	
4	L	

Connector No.	B71
Connector Name	REAR DOOR SWITCH LH
Connector Type	A03FW



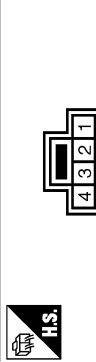
Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	

Connector No.	B73
Connector Name	DIODE
Connector Type	24335-C902



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

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS0MMW-CS



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

Connector No.	B85
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	RK02FGY



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

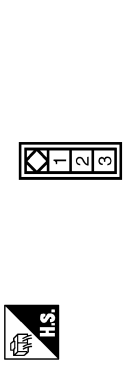
1	R
2	G

Connector No.	B86
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	RK02FGY



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

Connector No.	BZ20
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

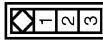
JCMWM4870GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	B221
Connector Name	REAR DOOR SWITCH RH
Connector Type	AS3FW



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

Connector No.	B407
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS4FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	O	-
12	LG	-
13	Y/W	-
14	Y	-

Connector No.	B414
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	NS10FW-CS



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

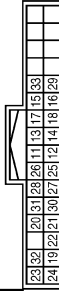
2	B	-
3	G	-
4	G/R	-
5	V	-
6	R/L	-
7	L	-
8	L/W	-
9	L/R	-
10	L/B	-

Connector No.	B434
Connector Name	POWER SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	G	-
4	G/R	-
5	V	-
6	R/L	-

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TR32FW



Terminal No.	Color of Wire	Signal Name [Specification]
11	G/B	-
12	G/W	-
13	R/G	-
14	R/W	-
15	Y/B	-

16	Y/R	-
17	LG/B	-
18	LG/R	-
19	G/Y	-
20	R/Y	-
21	L/Y	-
22	BR/Y	-
23	P	-
24	P/L	-
25	G/O	-
26	L/O	-
27	V	-
28	V/W	-
29	O/L	-
30	BR	-
31	BR/W	-
32	W/L	-
33	W	-

Connector No.	D5
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS



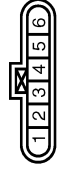
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	W	-
3	BR	-
4	L	-
5	SB	-
6	R	-
7	P	-
8	L	-
9	G	-
10	V	-
11	LG	-
13	Y	-
14	O	-
15	R	-

Connector No.	D6
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS33FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
17	B	-
19	LG	-

Connector No.	D9
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EB6FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	P	-
4	B	-
5	R	-
6	L	-

JCMWM4871GB

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D11
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	RK02FB



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

Connector No.	D12
Connector Name	FRONT OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)
Connector Type	RK02MGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D17
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	G02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	D45
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	R	-
8	L	-
9	LG	-
10	P	-
11	B	-
12	Y	-
13	G	-
16	O	-

Connector No.	D48
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	E06FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-
6	G	-

Connector No.	D50
Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)
Connector Type	RK02FB



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

Connector No.	D51
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	G02FW



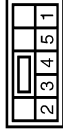
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	D52
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	RK02MGY



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

Connector No.	D83
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	SB	-
4	LG	-
5	L	-

Connector No.	D85
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	E06FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-

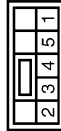
JCMWM4872GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D103
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS8FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	SB	-
4	LG	-
5	L	-

Connector No.	D105
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	ED8FG-RS



Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-
6	G	-

Connector No.	D156
Connector Name	LUGGAGE ROOM LAMP RH
Connector Type	CJ04FW



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

Connector No.	D157
Connector Name	LUGGAGE ROOM LAMP LH
Connector Type	CJ04FW



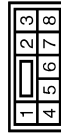
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
4	LG	-

Connector No.	D178
Connector Name	AUTOMATIC BACK DOOR CLOSE SWITCH
Connector Type	TK08FGY



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

Connector No.	D179
Connector Name	BACK DOOR LOCK ASSEMBLY WITH AUTOMATE BACK DOOR
Connector Type	NS8FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	V	-
4	G	-
5	L	-
6	W	-
7	LG	-
8	B	-

Connector No.	D180
Connector Name	BACK DOOR LOCK ASSEMBLY WITHOUT AUTOMATE BACK DOOR
Connector Type	NS8FW-CS



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

Connector No.	D186
Connector Name	BACK DOOR OPENER SWITCH ASSEMBLY
Connector Type	TR06MP-NH



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

Connector No.	D193
Connector Name	REAR WIPER MOTOR
Connector Type	CJ04FW-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	GR	-
4	O	-

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	E10
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE I/P/D/M)
Connector Type	TH20FW-CS12-M4-TV



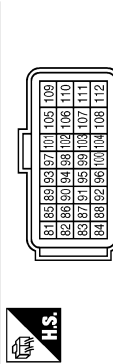
Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-
5	Y	-
7	GR	-
10	BR	-
11	P	-
12	B	-
13	SB	-
15	W	-
16	L/Y	-
18	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
26	Y	-
27	W	-
28	SB	-
30	BR	-
32	V	-
33	G	-
34	O	-
35	P	-
36	G	-
38	GR	-

Connector No.	E11
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE I/P/D/M)
Connector Type	TH20FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B	-
42	SB	-
43	Y	-
44	W	-
45	O	-
46	BR	-

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-LH



Terminal No.	Color of Wire	Signal Name [Specification]
81	W	APSI
82	O	APSZ
83	BR	AVCC1-APSI
84	B	GND-APSI
85	Y	ASCD SW
86	SB	FTPRES
87	GR	AVCC2-APSZ
88	O	KLINE
91	L	AVCC2-FTPRES
92	BR	GND-ASQDSW
93	BR	IGN SW
94	GR	TACHO(GABIN)
95	Y	TF
96	GR	GND-FTPRES

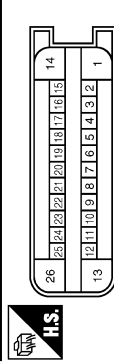
97	P	VEHCAN-L
98	L	VEHCAN-H
100	G	GND-APSZ
102	B	NEUT-T
104	SB	GND-TF
105	V	NER
106	SB	BRAKE
107	B	GND
108	B	GND
109	W	ODCV
110	G	ENCSW
111	B	GND
112	B	GND

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	GR	-

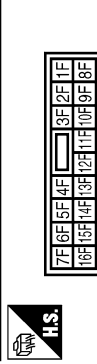
Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	AE22FB-AJZ4-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	VALVE/ECU SUPPLY
2	Y	WSS RL SIG(-)
3	L	WSS RL PWRC(-)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWRC(-)

6	W	WSS FR SIG(-)
7	LG	LIS
8	V	WSS FL SIG(-)
9	W	WSS FL PWRC(-)
10	SB	CLUSTER GND
11	P	WSS RR PWRC(-)
12	V	WSS RR SIG(-)
13	B/W	MOTOR GND
14	G	MOTOR SUPPLY
15	SB	BLS
16	O	DIAG K
18	O	BIAS
19	BR	CAN2 H
20	GR	IGN
21	P	GAMI L
22	Y	VDC OFF SW
23	L	CAN1 H
25	W	CAN1 L
26	B/W	VALVE/ECU GND

Connector No.	E03
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS15FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	L	-
2F	LG	-
4F	BR	-
6F	R	-
8F	R	-
11F	GR	-
12F	V	-

JCMWM4874GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	E116
Connector Name	STOP LAMP SWITCH
Connector Type	MD4FW-LC



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1	2

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	G	-
4	Y	-

Connector No.	E318
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z08FER



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

Connector No.	E319
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	Z08FER



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

Connector No.	E527
Connector Name	FRONT TURN SIGNAL LAMP LH
Connector Type	RS0ZFGY



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-

Connector No.	E528
Connector Name	FRONT TURN SIGNAL LAMP RH
Connector Type	RS0ZFGY



2	1
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Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-

Connector No.	F12
Connector Name	SWAY BY INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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Terminal No.	Color of Wire	Signal Name [Specification]
48	W	-
49	R/B	-
51	LG	-
52	Y/G	-
53	R/W	-
54	G/W	-
55	W/L	-
56	R/Y	-
57	O	-
58	Y	-
69	W/B	-
70	O	-
72	R/B	-
75	LG	-
76	SB	-
77	GR	-
80	B	-

Connector No.	F23
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RM40FB-R2B-L-RH



31	32	33	34	35	36	37	38	39	40	47	48
21	22	23	24	25	26	27	28	29	30	45	46
11	12	13	14	15	16	17	18	19	20	43	44
1	2	3	4	5	6	7	8	9	10	41	42

Terminal No.	Color of Wire	Signal Name [Specification]
1	P/B	INH SW 2
2	P/L	INH SW 3
3	G/O	INH SW 4
4	GR	INH SW 3, MON
5	B	GND

Terminal No.	Color of Wire	Signal Name [Specification]
6	O	K-LINE
7	W	SENSOR GND
8	C/W	CLOCK (SEL2)
9	L/R	CHP-SELECT (SEL1)
10	BR/R	DATA I/O (SEL3)
11	BR/W	INH SW 1
13	V	ATF TEMP SENSOR
14	R/W	PRI PRESS SENSOR
15	V/W	SEC PRESS SENSOR
19	G/B	REV LAMP RELAY
20	R/B	STARTER RELAY
25	W/R	SENSOR GND
26	L/O	SENSOR POWER SOURCE(SV)
27	R/G	S/M-D
28	R	S/M-C
29	O/B	S/M-B
30	G/R	S/M-A
31	P	CAN-H
32	L	CAN-L
33	LG	PRI SPEED SENSOR
34	LG/R	SEC SPEED SENSOR
37	V/R	L/OASEL-ON/OFF SOL
38	L/W	L/OASEL LINEAR SOL
39	W/B	SEC- LINEAR SOL
40	R/Y	PL LINEAR SOL
42	B	GND
46	Y	VIGN
47	L/R	BATT
48	Y	VIGN

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JCMWM4875GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

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



Terminal No.	Color of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
5A	R	-
6A	W	-
7A	LG	-
8A	Y	-

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



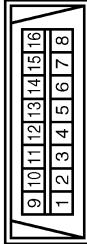
Terminal No.	Color of Wire	Signal Name [Specification]
1B	W	-
2B	L	-
3B	G	-
4B	L	-
5B	L	-
6B	Y	-
7B	R	-
8B	R	-
9B	GR	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-
10C	SR	-
11C	R	-
12C	O	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
14	P	-
16	Y	-

Connector No.	M12
Connector Name	STEERING LOCK UNIT
Connector Type	TK08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	S/L 12V MECHANICAL(V1)
2	LG	S/L COM
3	O	S/L CONDITION 1
5	B	GND 1
6	B	GND 2
7	Y	S/L 12V CP(V2)
8	L	S/L CONDITION 2

Connector No.	M17
Connector Name	OPTICAL SENSOR
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	O	-
3	P	-

Connector No.	M19
Connector Name	TIRE PRESSURE WARNING CHECK SWITCH
Connector Type	TK02FW



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

Connector No.	M21
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK04FW



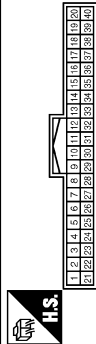
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	GND
2	O	SIGNAL
4	V	POWER

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

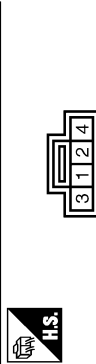
BCM (BODY CONTROL MODULE)

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH14CFV-NH



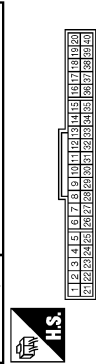
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	V	ILLUMINATION CONTROL SWITCH (OFF/ON automatic drive position)
15	Y	ILLUMINATION CONTROL SWITCH (OFF/ON automatic drive position)
14	GR	ILLUMINATION CONTROL SWITCH (-)
15	GR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	ER	CHG
26	G	FUEL LEVEL SENSOR GROUND
27	V	PARKING BRAKE SWITCH
28	R	WASHER LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF/SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK03FV



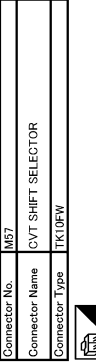
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	R	-
4	SB	-

Connector No.	M60
Connector Name	A/C AUTO AMP.
Connector Type	ISAB04FW



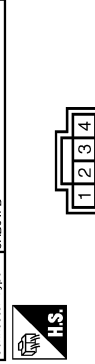
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX (AMP)/SW (DISP)
7	P	RX (SW/AMP)
10	L	LANT SIG
11	R	VACTR
15	O	SUN SENS
16	G	INTAKE SENS
17	R	ACC
19	B	IGN
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER
35	L	AMB SENS
36	LG	INCAR SENS
37	Y	SENS GND

39	B	GND(POWER)
40	Y	BAT



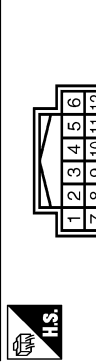
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
4	B	-
6	P	-
7	B	-
8	Y	-
9	V	-

Connector No.	M78
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	GND
2	P	SIGNAL
4	L	+12V

Connector No.	M89
Connector Name	KEY SLOT
Connector Type	TH12FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BAT
2	SB	GLOCK
3	O	DATA
5	GR	ILL BAT
6	B	ILL
7	B	GND
11	Y	KEY SWITCH SIGNAL

Connector No.	MT00
Connector Name	SECURITY INDICATOR LAMP
Connector Type	TK02FBR



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

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

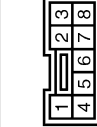


BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

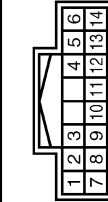
BCM (BODY CONTROL MODULE)

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FR



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

Connector No.	M103
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



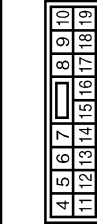
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RR
2	Y	OUTPUT 4
3	O	FR
4	W	IGN
5	V	OUTPUT 3
6	B	GND
7	GR	INPUT 3
8	L	OUTPUT 5
9	SB	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1
13	R	INPUT 5
14	P	OUTPUT 2

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



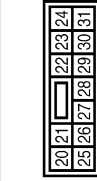
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	GR	POWER WINDOW POWER SUPPLY (BAT)
3	L	POWER WINDOW POWER SUPPLY (RAP)

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



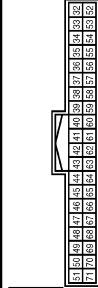
Terminal No.	Color of Wire	Signal Name [Specification]
4	P	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
7	W	STEP LAMP OUTPUT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	P	REAR DOOR UNLOCK OUTPUT
11	LG	BAT (FUSE)
13	B	GND
14	O	PUSH-BUTTON IGNITION SW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

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



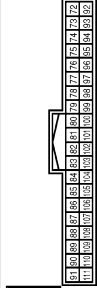
Terminal No.	Color of Wire	Signal Name [Specification]
23	BR	BACK DOOR OPEN OUTPUT
28	G	REAR WIPER OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH06FY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	B	LUGGAGE ROOM ANT1-
35	W	LUGGAGE ROOM ANT1+
38	L	REAR BUMPER ANT+
39	BR	REAR BUMPER ANT+
47	L	IGN RELAY EDM L/R CONT
52	R	STARTER RELAY CONT
61	R	BACK DOOR OPENER REQUEST SW
64	GR	REQUEST SW BUZZER
65	O	REAR WIPER STOP POSITION
66	Y	BACK DOOR SW
67	LG	BACK DOOR OPENER SW
68	W	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	B	ROOM ANT2-
73	W	ROOM ANT2+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	IMMOBILIZER ANTENNA CONTROL
81	O	IMMOBILIZER ANTENNA SIGNAL
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER SIGNAL
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
89	BR	PUSH SW
90	P	CAN-L
91	L	CAN-H
92	R	KEY SLOT ILL
93	P	ON IND
95	L	ACC RELAY CONT
96	Y	CVT SHIFT SELECTOR POWER SUPPLY
97	O	S/L CONDITION 1
98	L	S/L CONDITION 2
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER FAN MOTOR RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
106	Y	S/L POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW
111	LG	S/L COMM

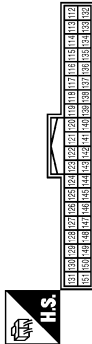
JCMWM4878GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

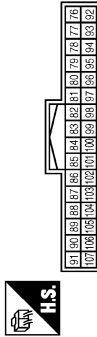
BCM (BODY CONTROL MODULE)

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



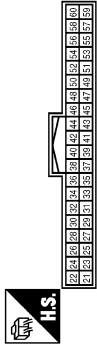
Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	O	OPTICAL SENSOR
116	GR	FUSE CHECK
118	L	STOP LAMP SW
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
123	G	IGN P/B
124	R	PASSENGER DOOR SW
130	BR	REAR DEFOGGER SW
132	G	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	P	RECEIVER/SENSOR GND
138	V	RECEIVER/SENSOR POWER SUPPLY
139	O	TIRE PRESS. RECEIVER SIGNAL
140	GR	SHIFT N/P
141	O	SECURITY INDICATOR OUTPUT
142	L	COMBI SW OUTPUT 5
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
149	W	TIRE PRESS WARNING CHECK SW
150	SB	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY

Connector No.	M131
Connector Name	AV CONTROL UNIT (WITH BOSE SYSTEM WITHOUT NAVIGATION SYSTEM)
Connector Type	TH32FP-NH



Terminal No.	Color of Wire	Signal Name [Specification]
79	L	TEL VOICE SIGNAL (-)
80	R	TEL VOICE SIGNAL (+)
81	SHIELD	SHIELD
82	W	SOUND SIGNAL RH (-) [With DVD player]
82	W	#Red SOUND SIGNAL RH (-) [Without DVD player]
83	R	SOUND SIGNAL RH (+) [With DVD player]
83	R	#Red SOUND SIGNAL RH (+) [Without DVD player]
85	B	GND
86	L	CAN-H
87	P	CAN-L
88	R	AV COMM (H)
88	R	AV COMM (L)
89	L	AV COMM (L)
90	G	AV COMM (H)
91	L	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	B	AUX SOUND SIGNAL LH (+)
97	W	AUX SOUND SIGNAL GND
98	G	SOUND SIGNAL LH (-) [With DVD player]
98	L	#Red SOUND SIGNAL LH (-) [Without DVD player]
99	B	SOUND SIGNAL LH (+) [With DVD player]
99	BR	#Red SOUND SIGNAL LH (+) [Without DVD player]
100	SHIELD	SHIELD [With DVD player]
100	SHIELD	SHIELD [Without DVD player]
101	V	SW GND
103	W	EJECT SIGNAL
104	G	IGNITION
105	SB	REVERSE
106	G	PARKING BRAKE
107	V	VEHICLE SPEED (8-PULSE)

Connector No.	M145
Connector Name	AV CONTROL UNIT (WITH NAVIGATION SYSTEM)
Connector Type	TH40FW-NH



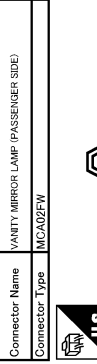
Terminal No.	Color of Wire	Signal Name [Specification]
21	B	GND
22	Y	BATTERY
23	B	GND
24	Y	BATTERY
25	R	ACC
26	B	MICROPHONE VCC
21	SHIELD	MICROPHONE GND
21	W	MICROPHONE SIGNAL
35	G	IGNITION
36	G	PARKING BRAKE
37	SB	REVERSE
38	V	VEHICLE SPEED (8-PULSE)
40	P	CONNECTION RECOGNITION
42	B	CONTROL SIGNAL
43	B	CONTROL SIGNAL
48	G	AV COMM (H)
49	R	AV COMM (L)
50	R	AV COMM (H)
51	L	AV COMM (L)
52	L	CAN-H
53	P	CAN-L

Connector No.	M202
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	IK02FGY



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

Connector No.	B
Connector Name	-
Connector Type	-



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	P/W	-

Connector No.	RI9
Connector Name	MAP LAMP
Connector Type	TK00BFGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P/W	-
2	Y	-
3	B	-
4	SB	-
5	R/Y	-
6	R/L	-

A
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M
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O
P



BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	R21
Connector Name	PERSONAL LAMP
Connector Type	THRMFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P/W	-
2	B	-
3	SB	-

Connector No.	R22
Connector Name	RAIN SENSOR
Connector Type	AA8D9FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/R	-
2	R	-
3	B	-

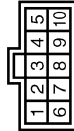
Connector No.	R24
Connector Name	VANITY MIRROR LAMP (DRIVER SIDE)
Connector Type	MC4U2FW



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

1	B
2	P/W

Connector No.	R101
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA10FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	O	GND
3	Y	IGN
4	Y	PUSH SW
5	LG	OPEN SW
6	R	BAT
7	P	COMM
8	BR	SPEED(SP)
9	W	2ND SW
10	V	CLOSE SW

Connector No.	R102
Connector Name	SUNSHADE MOTOR ASSEMBLY
Connector Type	YEA10FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
6	G	BAT
7	P	COMM
8	BR	SPEED(SP)

Fail-safe

FAIL-SAFE CONTROL BY DTC

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

JCMWM4880GB

INFOID:000000005688806

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

WCS

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

HIGH FLASHER OPERATION

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

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

NOTE:

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

FAIL-SAFE CONTROL BY RAIN SENSOR MALFUNCTION

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

NOTE:

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

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

1. More than 1 minute is passed after the rear wiper stop.

BCM (BODY CONTROL MODULE)

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2. Turn rear wiper switch OFF.
3. Operate the rear wiper switch or rear washer switch.

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DTC Inspection Priority Chart

INFOID:000000005688807

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

B

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

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BCM (BODY CONTROL MODULE)

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

DTC Index

INFOID:000000005688808

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 [BCS-17. "COMMON ITEM : CONSULT-III Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM	—	—	—	—	BCS-38
U1010: CONTROL UNIT(CAN)	—	—	—	—	BCS-39
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-40
B2013: ID DISCORD BCM-S/L*	×	×	—	—	SEC-51
B2014: CHAIN OF S/L-BCM*	×	×	—	—	SEC-52
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-43
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-46
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-47
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-49
B2195: ANTI SCANNING	×	—	—	—	SEC-50
B2553: IGNITION RELAY	—	×	—	—	PCS-48
B2555: STOP LAMP	—	×	—	—	SEC-55
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-57
B2557: VEHICLE SPEED	×	×	×	—	SEC-59
B2560: STARTER CONT RELAY	×	×	×	—	SEC-60
B2562: LOW VOLTAGE	—	×	—	—	BCS-41
B2601: SHIFT POSITION	×	×	×	—	SEC-61
B2602: SHIFT POSITION	×	×	×	—	SEC-64
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-66
B2604: PNP SW	×	×	×	—	SEC-69

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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 page
B2605: PNP SW	×	×	×	—	SEC-71
B2606: S/L RELAY*	×	×	×	—	SEC-73
B2607: S/L RELAY*	×	×	×	—	SEC-74
B2608: STARTER RELAY	×	×	×	—	SEC-76
B2609: S/L STATUS*	×	×	×	—	SEC-78
B260A: IGNITION RELAY	×	×	×	—	PCS-50
B260B: STEERING LOCK UNIT*	—	×	×	—	SEC-82
B260C: STEERING LOCK UNIT*	—	×	×	—	SEC-83
B260D: STEERING LOCK UNIT*	—	×	×	—	SEC-84
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-85
B2612: S/L STATUS*	×	×	×	—	SEC-88
B2614: ACC RELAY CIRC	—	×	×	—	PCS-52
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-55
B2616: IGN RELAY CIRC	—	×	×	—	PCS-58
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-92
B2618: BCM	×	×	×	—	PCS-61
B2619: BCM*	×	×	×	—	SEC-94
B261A: PUSH-BTN IGN SW	—	×	×	—	SEC-95
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-98
B2622: INSIDE ANTENNA	—	×	—	—	DLK-91
B2623: INSIDE ANTENNA	—	×	—	—	DLK-93
B26E9: S/L STATUS*	×	×	× (Turn ON for 15 seconds)	—	SEC-86
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-87
C1704: LOW PRESSURE FL	—	—	—	×	WT-25
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-27
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-30
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-32
C1734: CONTROL UNIT	—	—	—	×	WT-34

NOTE:

*: For models without steering lock unit this DTC is not applied.

WCS

THE PARKING BRAKE RELEASE WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

THE PARKING BRAKE RELEASE WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

Description

INFOID:00000000525007

- The parking brake warning buzzer sounds continuously during vehicle travel though the parking brake is released.
- The parking brake warning buzzer does not sound at all even though driving the vehicle with the parking brake applied.

Diagnosis Procedure

INFOID:00000000525008

1.CHECK PARKING BRAKE WARNING LAMP

1. Start the engine.
2. Check the operation of the brake warning lamp by operating the parking brake.

When parking brake is applied : ON

When parking brake is released : OFF

Is the inspection result normal?

- YES >> Replace the combination meter.
NO >> GO TO 2.

2.CHECK PARKING BRAKE SWITCH SIGNAL CIRCUIT

Perform a check for the parking brake switch signal circuit. Refer to [MWI-53, "Diagnosis Procedure"](#).

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair harness or connector.

3.CHECK PARKING BRAKE SWITCH

Perform a unit check for the parking brake switch. Refer to [MWI-53, "Component Inspection"](#).

Is the inspection result normal?

- YES >> Replace the combination meter.
NO >> Replace the parking brake switch. Refer to [PB-6, "Exploded View"](#).

THE LIGHT REMINDER WARNING DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

THE LIGHT REMINDER WARNING DOES NOT SOUND

Description

INFOID:00000000525009

Light reminder warning chime does not sound even though headlamp is illuminated.

Diagnosis Procedure

INFOID:00000000525010

1. CHECK COMBINATION SWITCH (LIGHT SWITCH) OPERATION

Check that the headlamps operate normally by operating the combination switch (light switch).

Do they operate normally?

YES >> GO TO 2.

NO >> Refer to [EXL-164, "Symptom Table"](#) (xenon type) or [EXL-349, "Symptom Table"](#) (halogen type).

2. CHECK FRONT DOOR SWITCH (DRIVER SIDE) SIGNAL CIRCUIT

Perform the check for the front door switch (driver side) signal circuit. Refer to [DLK-97, "WITH AUTOMATIC BACK DOOR : Diagnosis Procedure"](#) (with automatic back door) or [DLK-100, "WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure"](#) (without automatic back door).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK FRONT DOOR SWITCH (DRIVER SIDE)

Perform a unit check for the front door switch (driver side). Refer to [DLK-99, "WITH AUTOMATIC BACK DOOR : Component Inspection"](#) (with automatic back door) or [DLK-102, "WITHOUT AUTOMATIC BACK DOOR : Component Inspection"](#) (without automatic back door).

Is the inspection result normal?

YES >> Replace the BCM. Refer to [BCS-95, "Removal and Installation"](#).

NO >> Replace the front door switch (driver side). Refer to [DLK-360, "Removal and Installation"](#).

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THE SEAT BELT WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

THE SEAT BELT WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

Description

INFOID:000000005525011

- Seat belt reminder warning does not sound.
- Seat belt reminder warning sounds continuously.

Diagnosis Procedure

INFOID:000000005525012

1. CHECK SEAT BELT WARNING LAMP

1. Turn ignition switch ON.
2. Check the operation of the seat belt warning lamp in the combination meter.

Seat belt fastened	: OFF
Seat belt not fastened	: ON

Is the inspection result normal?

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

2. CHECK BCM OUTPUT SIGNAL

Check if the light reminder warning chime is activated by performing BCM active test. Refer to [WCS-20, "BUZZER : CONSULT-III Function \(BCM - BUZZER\)"](#).

Is the inspection result normal?

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

3. CHECK COMBINATION METER INPUT SIGNAL

Check if buzzer switches to proper condition (On/Off) on data monitor of combination meter. Refer to [MWI-34, "CONSULT-III Function \(METER/M&A\)"](#).

Buzzer active condition	: On
Buzzer non-active condition	: Off

Is the inspection result normal?

- YES >> Replace the combination meter.
NO >> Replace the BCM. Refer to [BCS-95, "Removal and Installation"](#).

4. CHECK SEAT BELT BUCKLE SWITCH CIRCUIT

Perform the check for the seat belt buckle switch circuit. Refer to [WCS-25, "Diagnosis Procedure"](#).

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Repair harness or connector.

5. CHECK SEAT BELT BUCKLE SWITCH (DRIVER SIDE)

Perform a unit check for the seat belt buckle switch (driver side). Refer to [WCS-26, "Component Inspection"](#).

Is the inspection result normal?

- YES >> Replace the combination meter.
NO >> Replace the seat belt buckle. Refer to [SB-9, "SEAT BELT BUCKLE : Removal and Installation"](#).

THE KEY WARNING DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

THE KEY WARNING DOES NOT SOUND

Description

INFOID:000000005525013

The key warning chime does not sound under the following conditions.

- Key inserted into the key slot. (Key slot switch ON)
- Ignition switch is not in ON or START. (Ignition switch signal OFF)
- Front door switch (driver side) is open. [Door switch signal (driver side) ON]

Diagnosis Procedure

INFOID:000000005525014

1. CHECK BCM INPUT SIGNAL

1. Connect CONSULT-III.
2. Select the "Data Monitor" of "BCM (BUZZER)" and check the "KEY SW-SLOT" monitor value. Refer to [BCS-47, "Reference Value"](#).

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-95, "Removal and Installation"](#).
NO >> GO TO 2.

2. CHECK KEY SLOT SWITCH SIGNAL CIRCUIT

Check the key slot switch signal circuit. Refer to [DLK-131, "Diagnosis Procedure"](#).

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Check applicable parts, and repair or replace corresponding parts.

3. CHECK DOOR SWITCH SIGNAL (DRIVER SIDE) CIRCUIT

Check the door switch signal (driver side) circuit. Refer to [DLK-97, "WITH AUTOMATIC BACK DOOR : Diagnosis Procedure"](#) (with automatic back door) or [DLK-100, "WITHOUT AUTOMATIC BACK DOOR : Diagnosis Procedure"](#) (without automatic back door).

Is the inspection result normal?

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

4. CHECK FRONT DOOR SWITCH (DRIVER SIDE)

Check the front door switch (driver side). Refer to [DLK-99, "WITH AUTOMATIC BACK DOOR : Component Inspection"](#) (with automatic back door) or [DLK-102, "WITHOUT AUTOMATIC BACK DOOR : Component Inspection"](#) (without automatic back door).

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-95, "Removal and Installation"](#).
NO >> Replace front door switch (driver side). Refer to [DLK-360, "Removal and Installation"](#).

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

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

INFOID:000000005602384

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

Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

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

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

WARNING:

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

FOR MEXICO

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

INFOID:000000005602385

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

WARNING:

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

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

WARNING:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s)

PRECAUTIONS

< PRECAUTION >

- with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

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