

WCS

SECTION

WARNING CHIME SYSTEM

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SYMPTOM DIAGNOSIS 31**THE PARKING BRAKE RELEASE WARNING
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

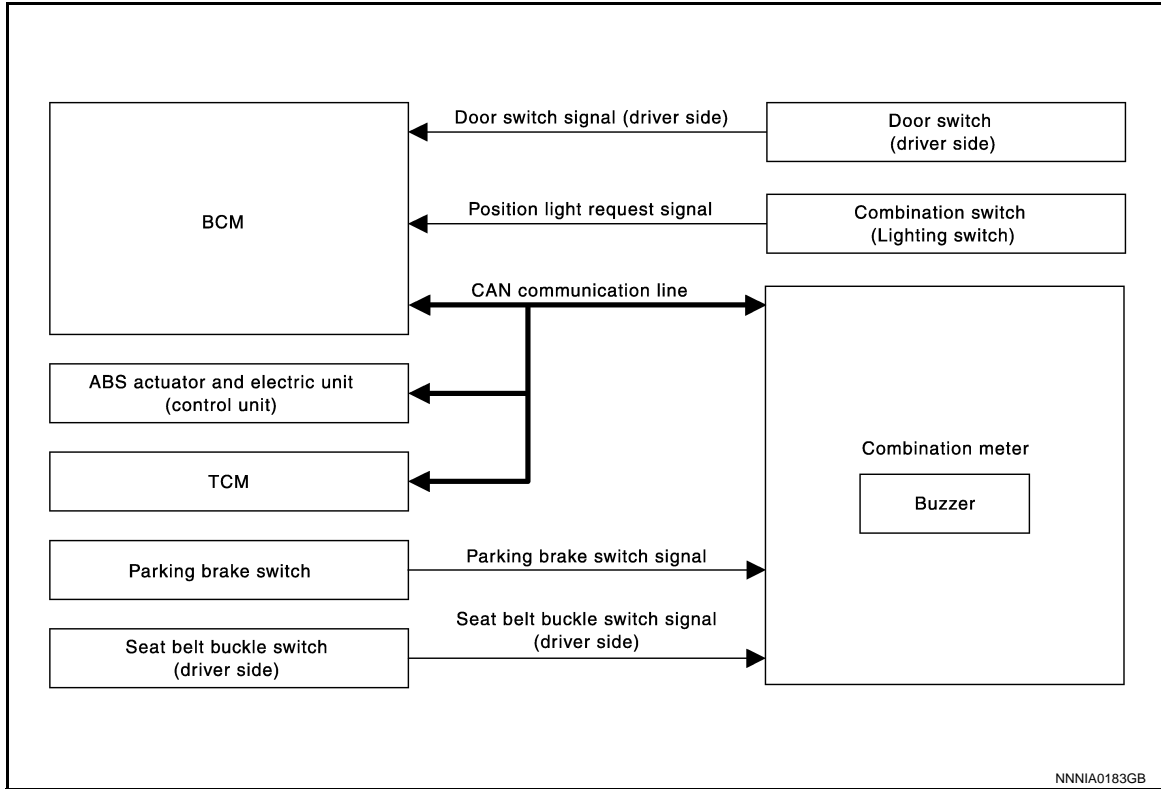
SYSTEM DESCRIPTION

WARNING CHIME SYSTEM

WARNING CHIME SYSTEM

WARNING CHIME SYSTEM : System Diagram

INFOID:000000009188766

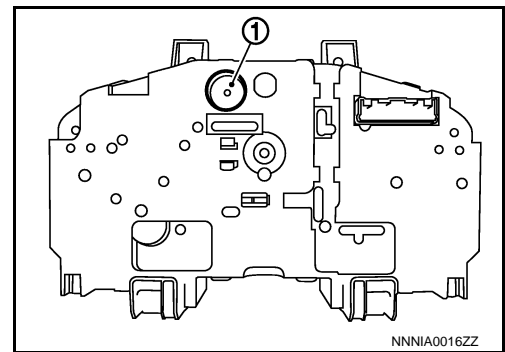


WARNING CHIME SYSTEM : System Description

INFOID:000000009188767

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 signal from various units and switches.



BCM

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

BCM warning function list

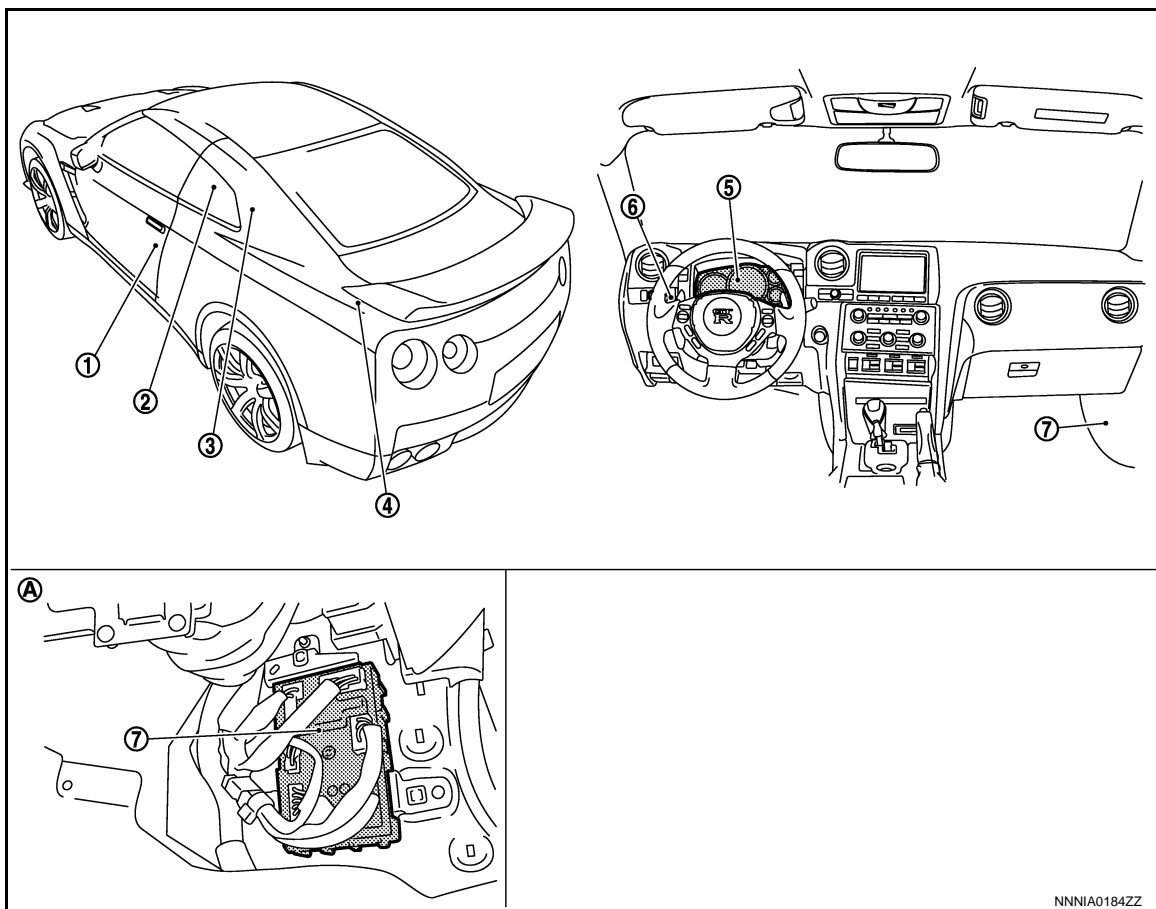
Warning functions	Signal name
Light reminder warning chime	<ul style="list-style-type: none">• Position light request signal• Door switch signal (driver side)
Seat belt warning chime	Seat belt buckle switch signal (driver side)
Reverse warning chime (For Canada)	Shift position signal

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

WARNING CHIME SYSTEM : Component Parts Location

INFOID:000000009188768



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|--|--|---|
| 1. Door switch (driver side) | 2. Seat belt buckle switch (driver side) | 3. Parking brake switch |
| 4. TCM | 5. Combination meter | 6. Combination switch (lighting switch) |
| 7. BCM | | |
| A. Lower part of passenger side dash-board | | |

WARNING CHIME SYSTEM : Component Description

INFOID:000000009188769

Unit	Description
Combination meter	<ul style="list-style-type: none"> Receives the buzzer output signal from BCM via the CAN communication and sounds the buzzer. Judges that the parking brake is still applied 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 the parking brake switch and sounds the warning buzzer. Receives the vehicle speed signal from the ABS actuator and electric unit (control unit) and the seat belt buckle switch signal (driver side) from the seat belt buckle switch (driver side) and transmits them to BCM via CAN communication.
BCM	Based on the signals received from various units and switches, transmits the buzzer output signal to the combination meter via CAN communication.
TCM	Transmits the shift position signal to the BCM via CAN communication.
ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the combination meter via CAN communication.
Seat belt buckle switch (driver side)	Transmits the seat belt buckle switch signal (driver side) to the combination meter.
Combination switch (lighting switch)	Transmits the position light request signal to BCM.

WARNING CHIME SYSTEM

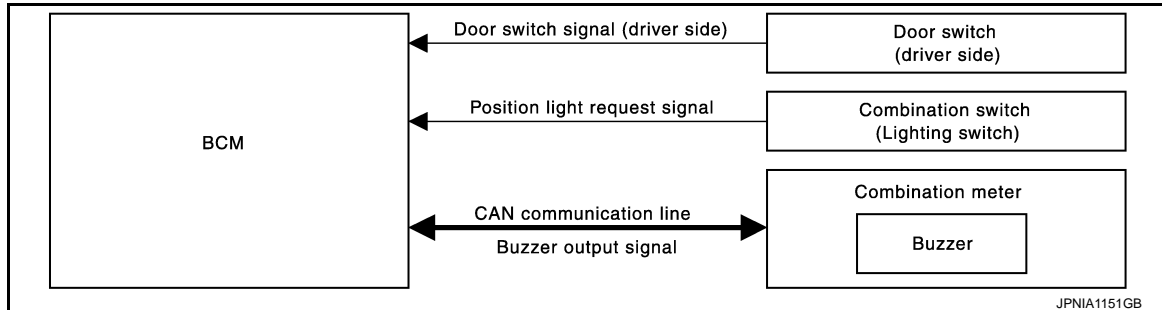
< SYSTEM DESCRIPTION >

Unit	Description
Door switch (driver side)	Transmits the door switch signal (driver side) to BCM.
Parking brake switch	Transmits the parking brake switch signal to the combination meter.

LIGHT REMINDER WARNING CHIME

LIGHT REMINDER WARNING CHIME : System Diagram

INFOID:000000009188770



LIGHT REMINDER WARNING CHIME : System Description

INFOID:000000009188771

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, 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
- 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
- Door switch (driver side) is OFF

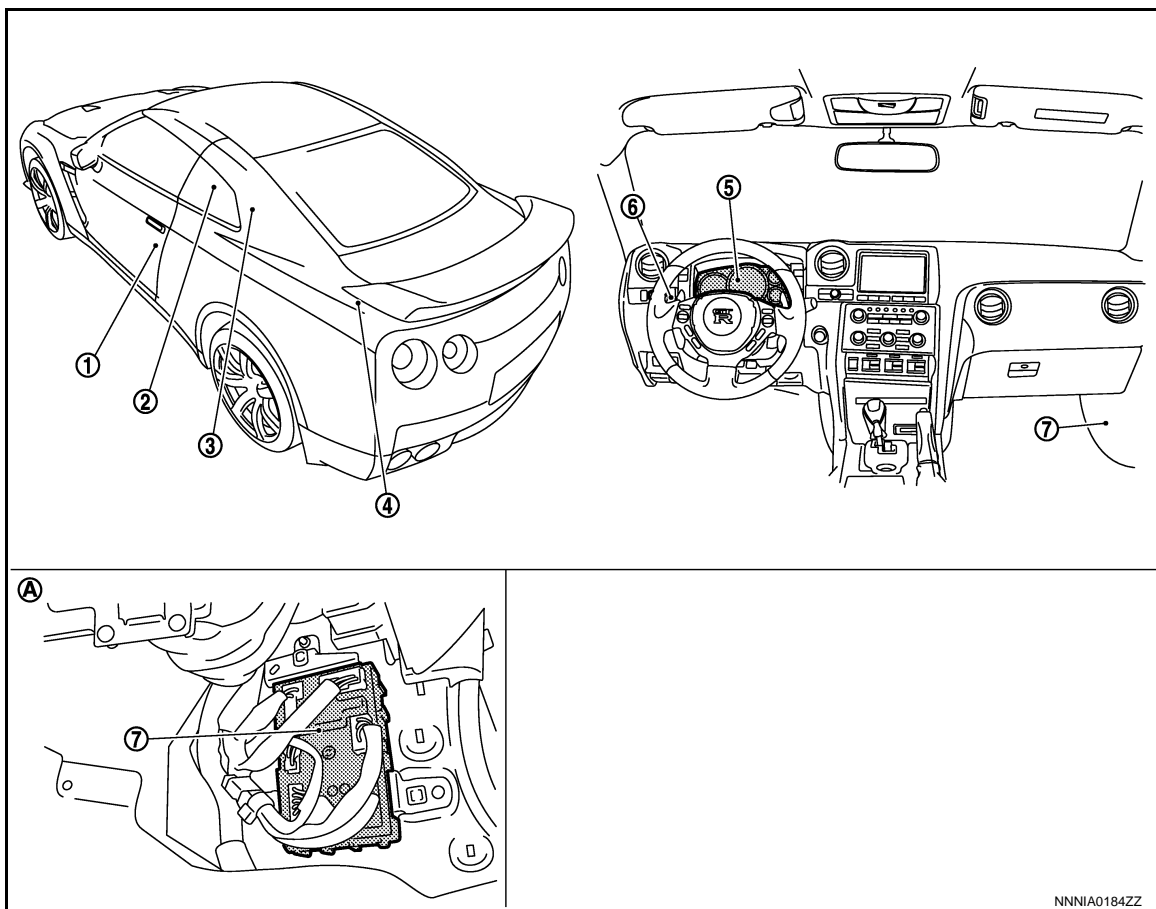
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

LIGHT REMINDER WARNING CHIME : Component Parts Location

INFOID:000000009188772



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|---|--|---|
| 1. Door switch (driver side) | 2. Seat belt buckle switch (driver side) | 3. Parking brake switch |
| 4. TCM | 5. Combination meter | 6. Combination switch (lighting switch) |
| 7. BCM | | |
| A. Lower part of passenger side dashboard | | |

LIGHT REMINDER WARNING CHIME : Component Description

INFOID:000000009188773

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 position light request signal to BCM.
Door switch (driver side)	Transmits the door switch signal (driver side) to BCM.

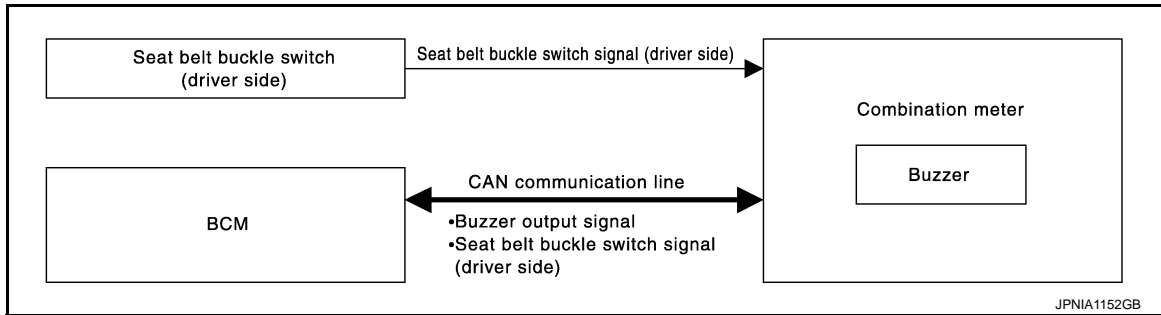
SEAT BELT WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

SEAT BELT WARNING CHIME : System Diagram

INFOID:000000009188774



SEAT BELT WARNING CHIME : System Description

INFOID:000000009188775

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 from seat belt buckle switch (driver side) and transmits it to the BCM via CAN communication.
- The BCM receives seat belt buckle switch signal 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 OFF→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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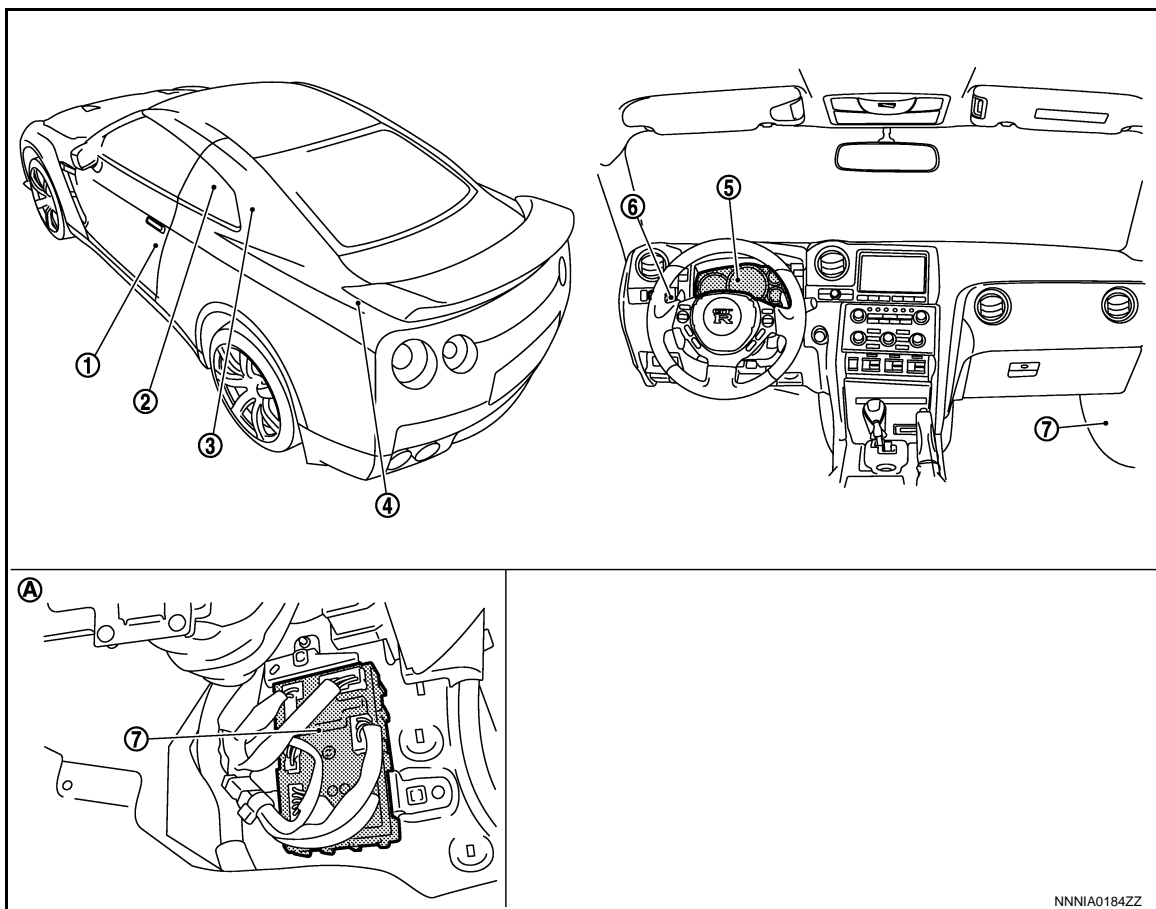
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

SEAT BELT WARNING CHIME : Component Parts Location

INFOID:000000009188776



- | | | |
|---|--|---|
| 1. Door switch (driver side) | 2. Seat belt buckle switch (driver side) | 3. Parking brake switch |
| 4. TCM | 5. Combination meter | 6. Combination switch (lighting switch) |
| 7. BCM | | |
| A. Lower part of passenger side dashboard | | |

SEAT BELT WARNING CHIME : Component Description

INFOID:000000009188777

Unit	Description
Combination meter	<ul style="list-style-type: none"> Receives the seat belt buckle switch signal from the seat belt buckle switch 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 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 to the combination meter.

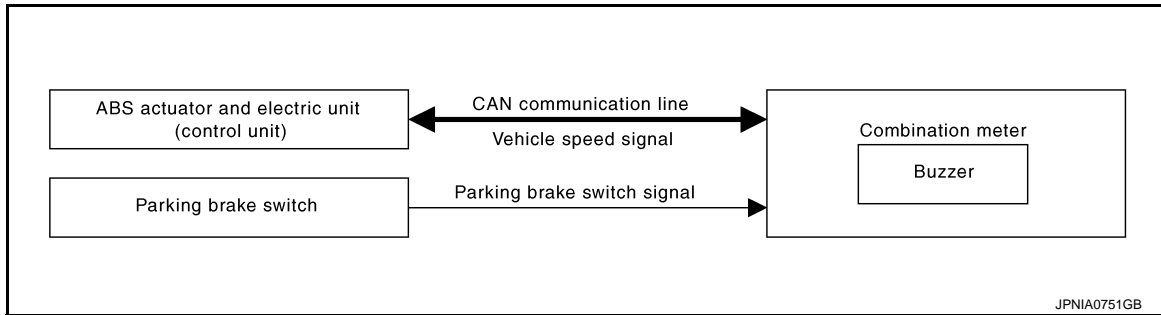
PARKING BRAKE RELEASE WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

PARKING BRAKE RELEASE WARNING CHIME : System Diagram

INFOID:000000009188778



PARKING BRAKE RELEASE WARNING CHIME : System Description

INFOID:000000009188779

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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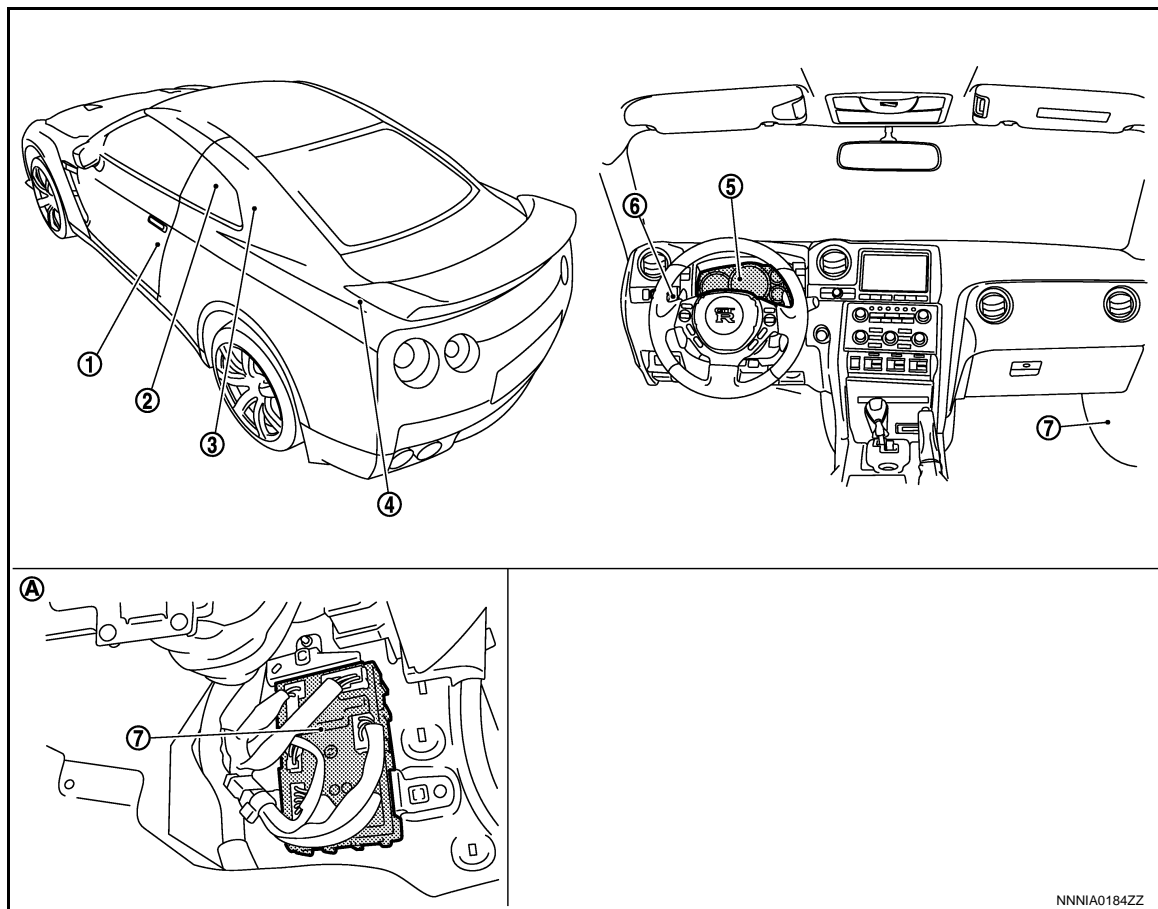
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WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

PARKING BRAKE RELEASE WARNING CHIME : Component Parts Location

INFOID:000000009188780



- | | | |
|---|--|---|
| 1. Door switch (driver side) | 2. Seat belt buckle switch (driver side) | 3. Parking brake switch |
| 4. TCM | 5. Combination meter | 6. Combination switch (lighting switch) |
| 7. BCM | | |
| A. Lower part of passenger side dashboard | | |

PARKING BRAKE RELEASE WARNING CHIME : Component Description

INFOID:000000009188781

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.

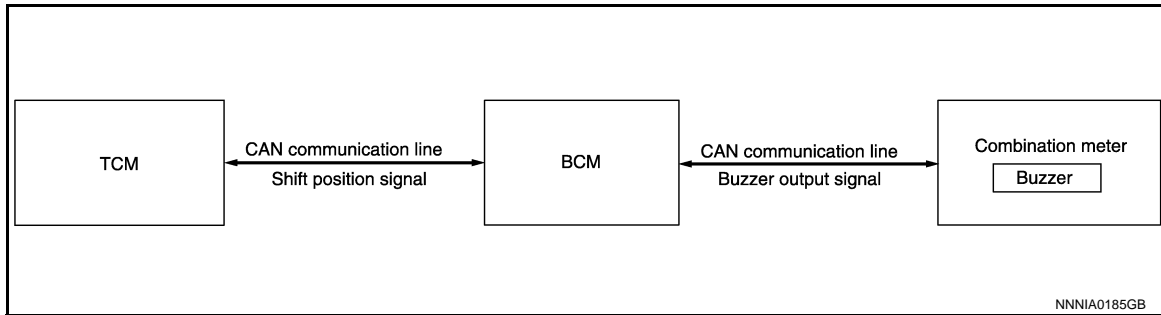
REVERSE WARNING CHIME

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

REVERSE WARNING CHIME : System Diagram

INFOID:000000009188782



REVERSE WARNING CHIME : System Description

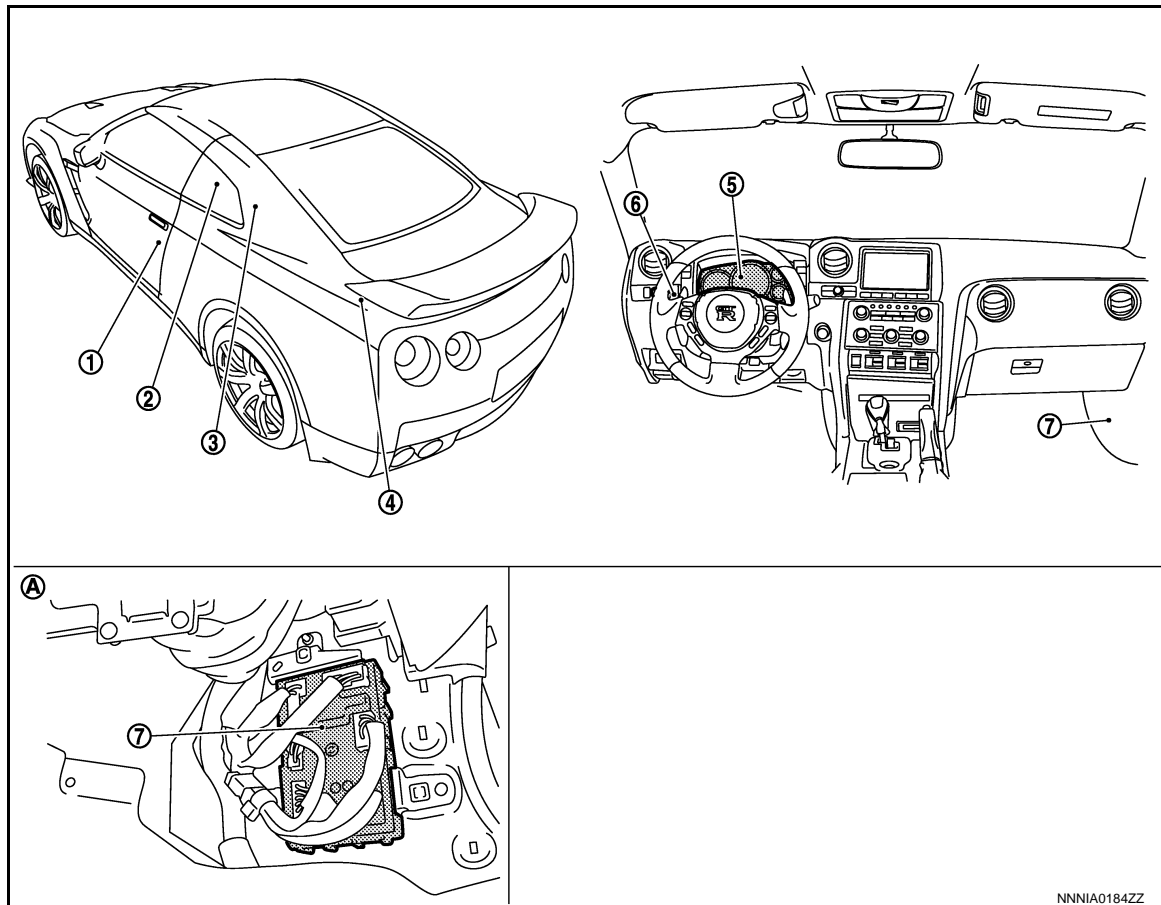
INFOID:000000009188783

DESCRIPTION

- The BCM receives shift position signal (reverse range) from TCM via CAN communication.
- The BCM detects reverse warning chime 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.

REVERSE WARNING CHIME : Component Parts Location

INFOID:000000009188784



- | | | |
|---|--|---|
| 1. Door switch (driver side) | 2. Seat belt buckle switch (driver side) | 3. Parking brake switch |
| 4. TCM | 5. Combination meter | 6. Combination switch (lighting switch) |
| 7. BCM | | |
| A. Lower part of passenger side dashboard | | |

WARNING CHIME SYSTEM

< SYSTEM DESCRIPTION >

REVERSE WARNING CHIME : Component Description

INFOID:000000009188785

Unit	Description
Combination meter	Receives a buzzer output signal from the BCM and sounds the buzzer.
BCM	<ul style="list-style-type: none">• The BCM receives shift position signal from TCM via CAN communication.• The BCM detects reverse warning based on the received signal and transmits the buzzer output signal to combination meter via CAN communication.
TCM	Transmits the shift position signal to BCM via CAN communication.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT COMBINATION METER

COMBINATION METER : Diagnosis Procedure

INFOID:000000009188786

1.CHECK FUSES

Check that the following fuses are not blown:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the fuse with a new one after repairing the applicable circuit.

2.CHECK POWER SUPPLY CIRCUIT

Check the voltage between the combination meter harness connector terminals and the ground.

Terminal No.	Signal name	Ignition switch	Voltage
1	Battery power supply	OFF	Battery voltage
2	Ignition signal	ON	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair the harness between the fuse and the combination meter.

3.CHECK GROUND CIRCUIT

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

Combination meter		Ground	Continuity
Connector	Terminal		
M53	3		Existed
	5		

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair the harnesses or connectors.

BCM (BODY CONTROL MODULE)

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BCM (BODY CONTROL MODULE) : Diagnosis Procedure

INFOID:000000009188787

1.CHECK FUSE AND FUSIBLE LINK

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

Signal name	Fuse and fusible link No.
Battery power supply	I
	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.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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.

METER BUZZER CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

METER BUZZER CIRCUIT

Description

INFOID:000000009188788

- 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 and switches.

Diagnosis Procedure

INFOID:000000009188789

1.CHECK POWER SUPPLY OF COMBINATION METER

Check power supply of combination meter. Refer to [MWI-40, "COMBINATION METER : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair power supply circuit of combination meter. Refer to [MWI-40, "COMBINATION METER : Diagnosis Procedure"](#).

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SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

Description

INFOID:000000009188790

Transmits a seat belt buckle switch signal to the combination meter.

Diagnosis Procedure

INFOID:000000009188791

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				Ground
Connector	Terminal			
M53	30			
		When seat belt is fastened	12 V	
		When seat belt is unfastened	0 V	

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	
M53	30	B12	3	Exist

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

Terminals			Continuity
(+)		(-)	
Combination meter		Ground	
Connector	Terminal		
M53	30		Not existed

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.

SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Terminals			Continuity
(+)		(-)	
Seat belt buckle switch (driver side)			
Connector	Terminal	Ground	
B12	2		Exist

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair harness or connector.

Component Inspection

INFOID:000000009188792

1. CHECK SEAT BELT BUCKLE SWITCH

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

Seat belt buckle switch (driver side)		Condition	Continuity
3	2	When seat belt (driver side) is fastened	Not existed
		When seat belt (driver side) is unfastened	Exist

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace the seat belt buckle. Refer to [SB-8. "SEAT BELT BUCKLE : Removal and Installation"](#).


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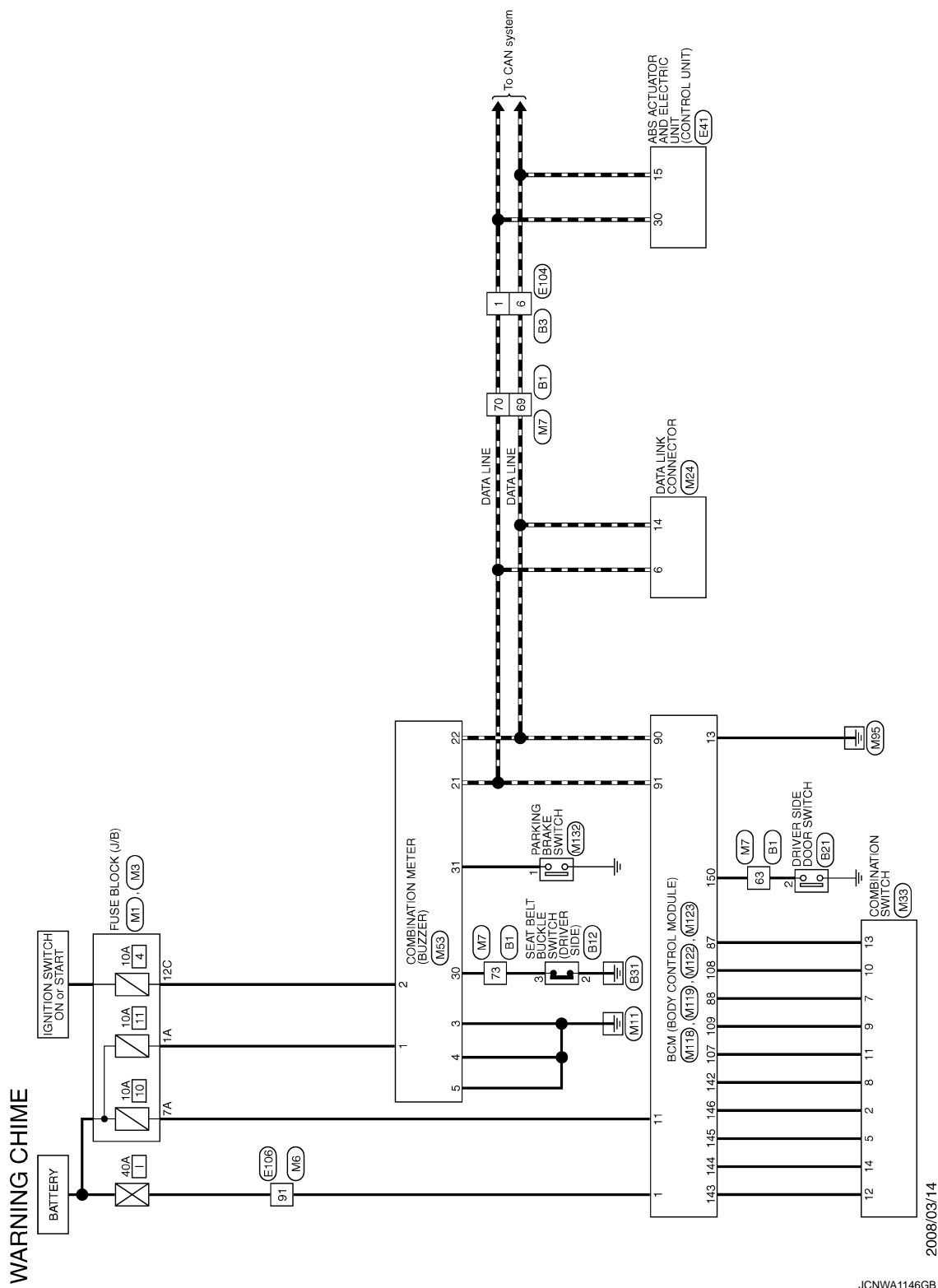
< DTC/CIRCUIT DIAGNOSIS >

WARNING CHIME SYSTEM

Wiring Diagram - WARNING CHIME -

INFOID:0000000009188793

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

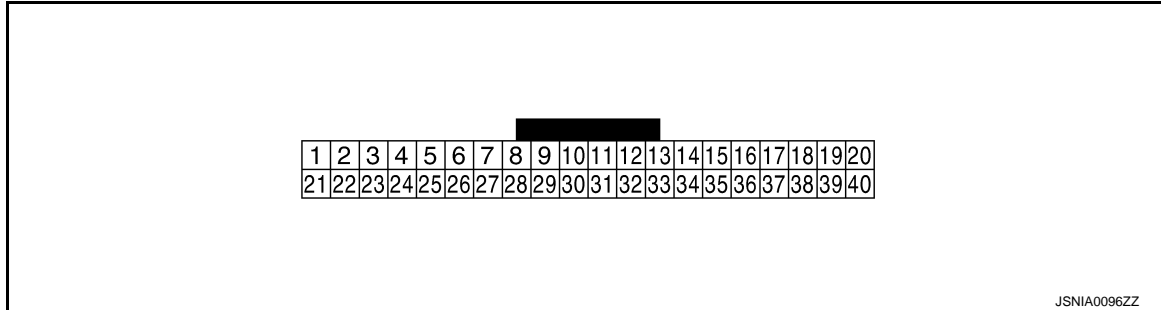
ECU DIAGNOSIS INFORMATION

COMBINATION METER

Reference Value

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TERMINAL LAYOUT



INPUT/OUTPUT SIGNAL STANDARD

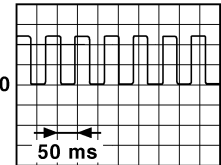
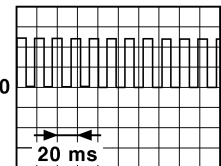

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
1 (V)	Ground	Battery power supply	Input	Igni- tion switch OFF	—	Battery voltage
2 (W)	Ground	Ignition power supply	Input	Igni- tion switch ON	—	Battery voltage
3 (B)	Ground	Ground	—	Igni- tion switch ON	—	0 V
5 (B)	Ground	Ground	—	Igni- tion switch ON	—	0 V
6 (W)	Ground	Meter control switch ground	—	Igni- tion switch ON	—	0 V
7 (Y)	Ground	A/C auto amp. connection recognition signal	Input	Igni- tion switch ON	—	5 V
8 (SB)	Ground	Ambient sensor ground	—	Igni- tion switch ON	—	0 V
9 (P)	Ground	Ambient sensor	Input	Igni- tion switch ON	—	This work is recommended to be performed by NHPC.

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
COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
12 (L)	Ground	Vehicle speed signal (2-pulse)	Output	Ignition switch ON	Vehicle speed is approximately 40 km/h (25 MPH)	NOTE: The maximum voltage varies depending on the specification (destination unit).  <small>JSNIA0015GB</small>
13 (V)	Ground	Vehicle speed signal (8-pulse)	Output	Ignition switch ON	Vehicle speed is approximately 40 km/h (25 MPH)	NOTE: The maximum voltage varies depending on the specification (destination unit).  <small>JSNIA0012GB</small>
14 (B)	Ground	Oil pressure sensor ground	—	Ignition switch ON	—	0 V
15 (R)	Ground	Air bag signal	Input	Ignition switch ON	Air bag warning lamp ON	5 V
					Air bag warning lamp OFF	0 V
18 (L)	Ground	Fuel level sensor signal ground	—	Ignition switch ON	—	0 V
19 (R)	Ground	Oil level sensor ground	—	Ignition switch ON	—	0 V
20 (W)	Ground	Oil level sensor signal	Input	Ignition switch ON	—	This work is recommended to be performed by NHPC.
21 (L)	Ground	CAN-H	—	Ignition switch ON	—	—
22 (P)	Ground	CAN-L	—	Ignition switch ON	—	—
23 (LG)	6 (W)	Illumination control switch signal (—)	Input	Ignition switch ON	When  switch is pressed	0 V
					Other than the above	5 V

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	—	Signal name	Input/ Output			
24 (BR)	6 (W)	Illumination control switch signal (+)	Input	Igni- tion switch ON	When  switch is pressed	0 V
					Other than the above	5 V
25 (G)	6 (W)	Trip A/B reset switch signal	Input	Igni- tion switch ON	When trip A/B reset switch is pressed	0 V
					Other than the above	5 V
26 (O)	6 (W)	Enter switch signal	Input	Igni- tion switch ON	When enter switch is pressed	0 V
					Other than the above	5 V
27 (SB)	6 (W)	Select switch signal	Input	Igni- tion switch ON	When select switch is pressed	0 V
					Other than the above	5 V
28 (BR)	Ground	Alternator signal	Input	Igni- tion switch ON	Charging warning lamp ON	0 V
					Charging warning lamp OFF	12 V
29 (G)	Ground	Seat belt buckle switch sig- nal (passenger side)	Input	Igni- tion 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
30 (LG)	Ground	Seat belt buckle switch sig- nal (driver side)	Input	Igni- tion switch ON	When driver seat belt is fastened	12 V
					When driver seat belt is unfastened	0 V
31 (V)	Ground	Parking brake switch sig- nal	Input	Igni- tion switch ON	Parking brake applied	0 V
					Parking brake released	5 V
32 (V)	Ground	Brake fluid level switch sig- nal	Input	Igni- tion switch ON	Brake fluid level is normal	0 V
					Brake fluid level is MIN lev- el or less	5 V
33 (L)	Ground	Washer level switch signal	Input	Igni- tion switch ON	Low washer fluid warning display ON	0 V
					Low washer fluid warning display OFF	5 V
34 (GR)	Ground	Oil pressure sensor power	Output	Igni- tion switch ON	—	5 V

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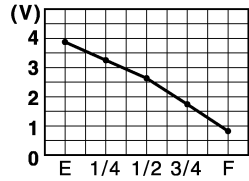
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >


Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
35 (W)	Ground	Oil pressure sensor signal	Input	Igni- tion switch ON	—	Refer to MWI-45, "Component Inspection" .
38 (O)	Ground	Fuel level sensor signal	Input	Igni- tion switch ON	—	 <p> (V) 4 3 2 1 0 E 1/4 1/2 3/4 F </p> <p>NNNIA0108ZZ</p>

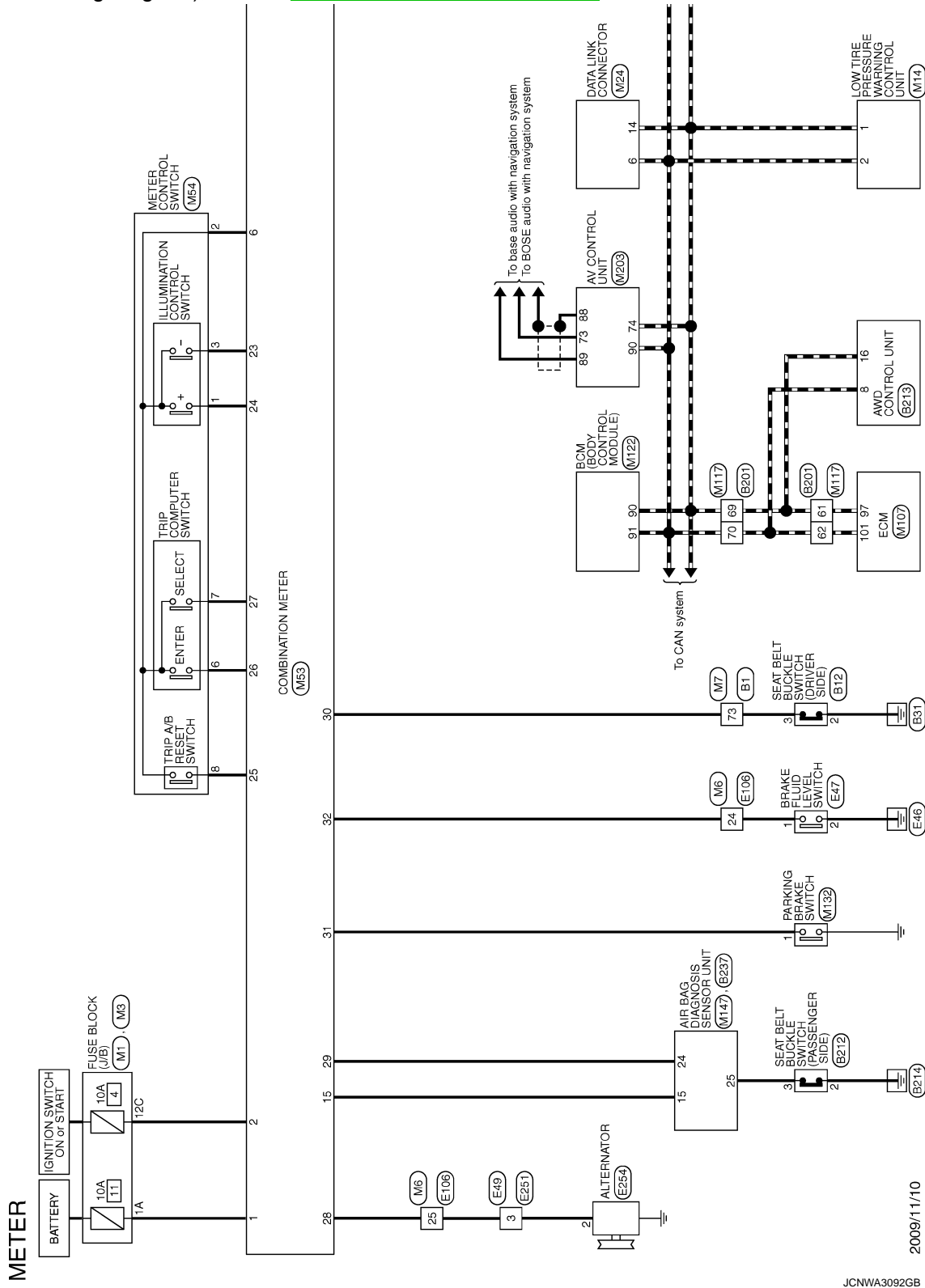
COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - METER -

INFOID:000000009188795

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



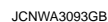
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< ECU DIAGNOSIS INFORMATION >



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If the CAN communication with each unit is activated, the combination meter broken the fail-safe control.

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

System		Processing
Speedometer		Returns to zero when communication is blocked.
Tachometer		
Engine coolant temperature gauge		
Meter illumination control		Shifts to night mode when communication is blocked.
Shift position indicator		Turned OFF when communication is blocked.
Information display	Door open warning	Indication is turned OFF when communication is blocked.
	Trunk open warning	
	Parking brake release warning	
	Shift " P " warning	
	Transmission system check	
	Shift lever position warning	
	Transmission clutch high temperature warning	
	Transmission oil high temperature warning	
	Transmission system warning	
	Run-flat tire warning	
	Low tire pressure warning	
	Tire pressure monitoring system warning	
	AWD clutch high temperature warning	
	Front/rear tire size discrepancy warning	
	AWD system warning	
	Anti-lock braking system (ABS) warning	
	Vehicle dynamic control (VDC) system warning	
	Engine system warning	
	CRUISE control system warning	
	CRUISE control system status	
	Vehicle speed display	0 km/h (0 MPH) is indicated when communication is blocked.
	Possible driving distance	Displays the last calculation result calculated under a normal status when communication is blocked.
	Average fuel consumption	
	Instantaneous fuel consumption	
	Average vehicle speed	
Warning buzzer		Warning is turned OFF when communication is blocked.

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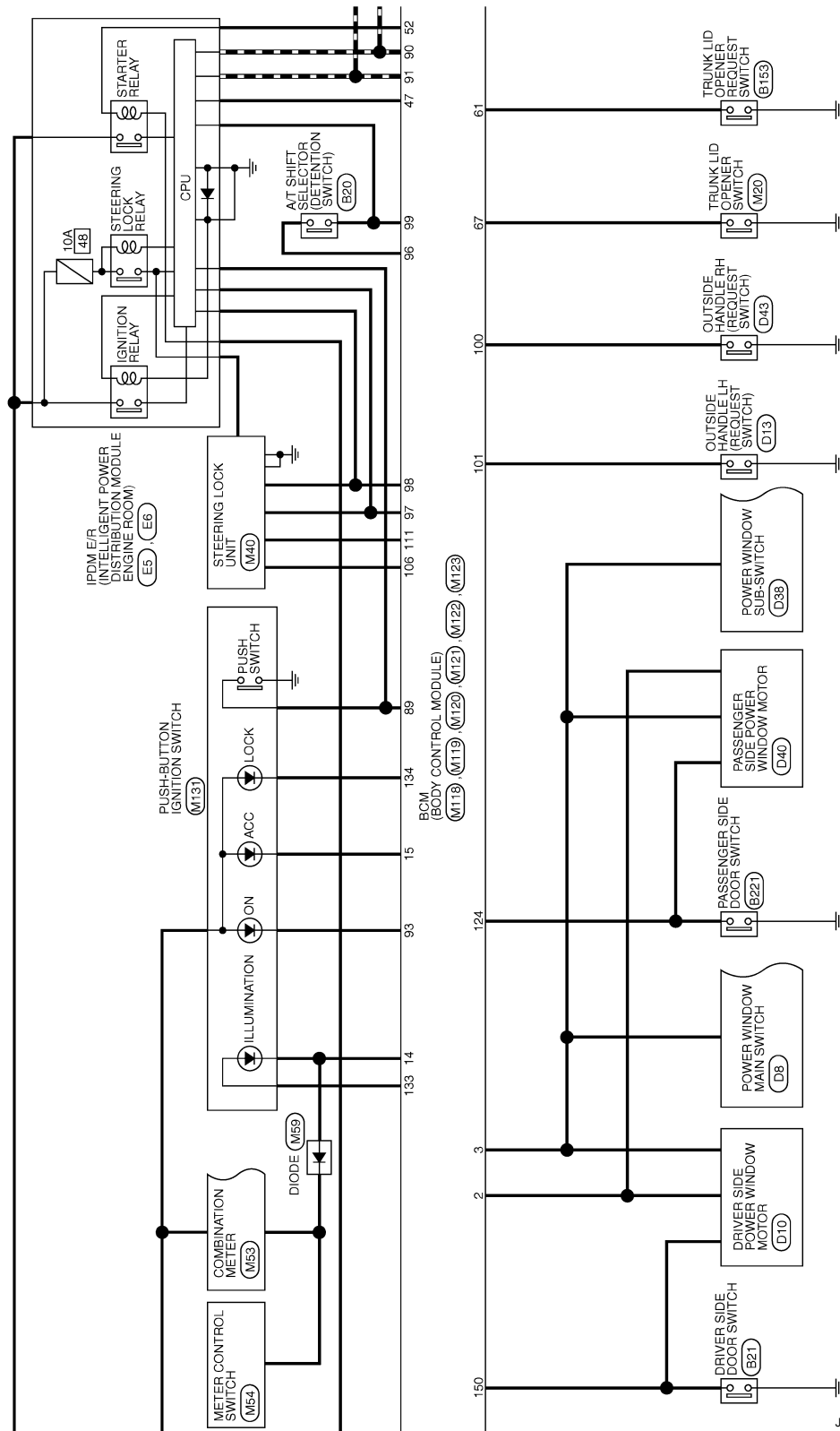
COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

System		Processing
Warning lamp/indicator lamp	ABS warning lamp	Turned ON when communication is broken.
	VDC warning lamp	
	Brake warning lamp	
	AWD warning lamp	
	Malfunction indicator lamp (MIL)	
	Tire pressure warning lamp	Blinks first, then illuminates after approximately 1 minute.
	High beam indicator lamp	Turned OFF when communication is broken.
	Turn signal indicator lamp	
	Tail lamp indicator lamp	
	CRUISE indicator lamp	
	SET indicator lamp	
	KEY warning lamp	
	Up-shift indicator (green)	
	Up-shift indicator (yellow)	
	Up-shift indicator (red)	
	Transmission check warning lamp	
	VDC OFF indicator lamp	

BCM (BODY CONTROL MODULE)

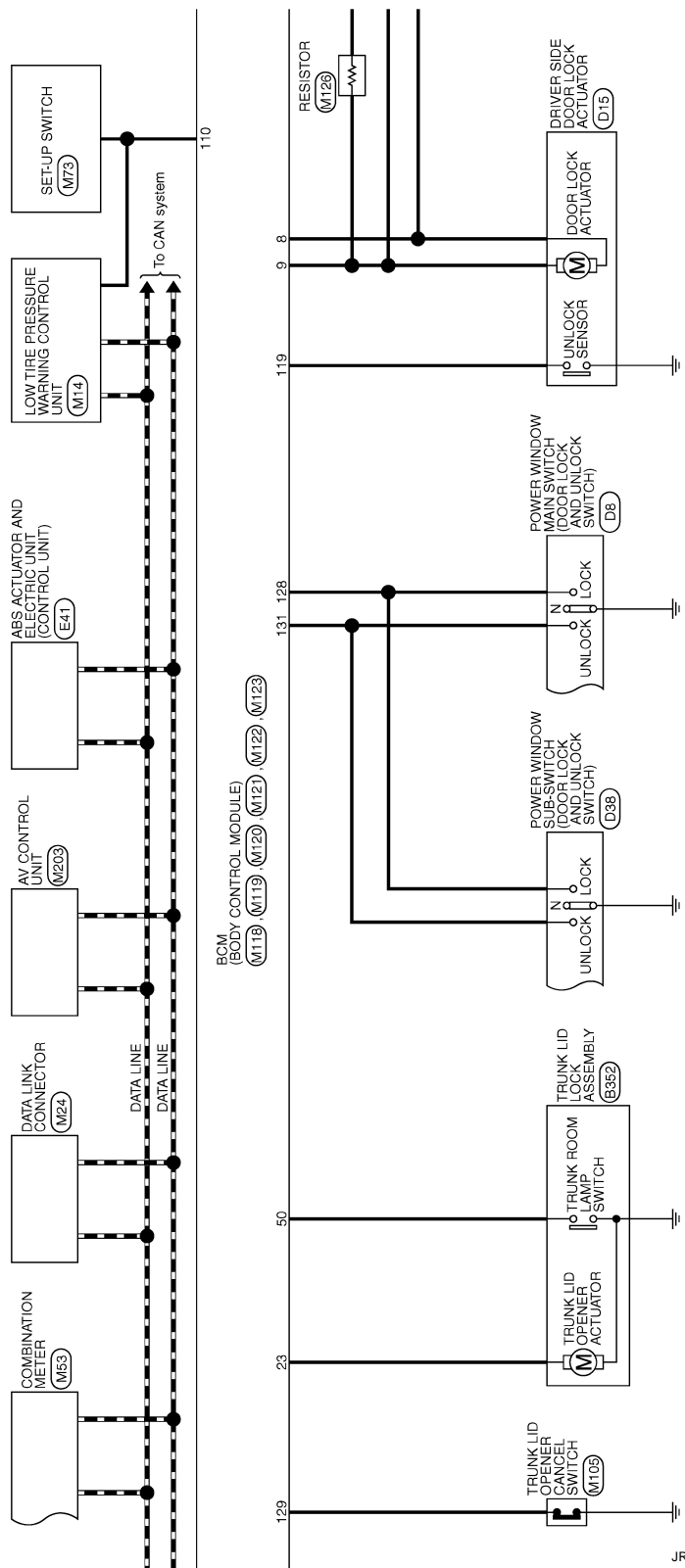
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BCM (BODY CONTROL MODULE)

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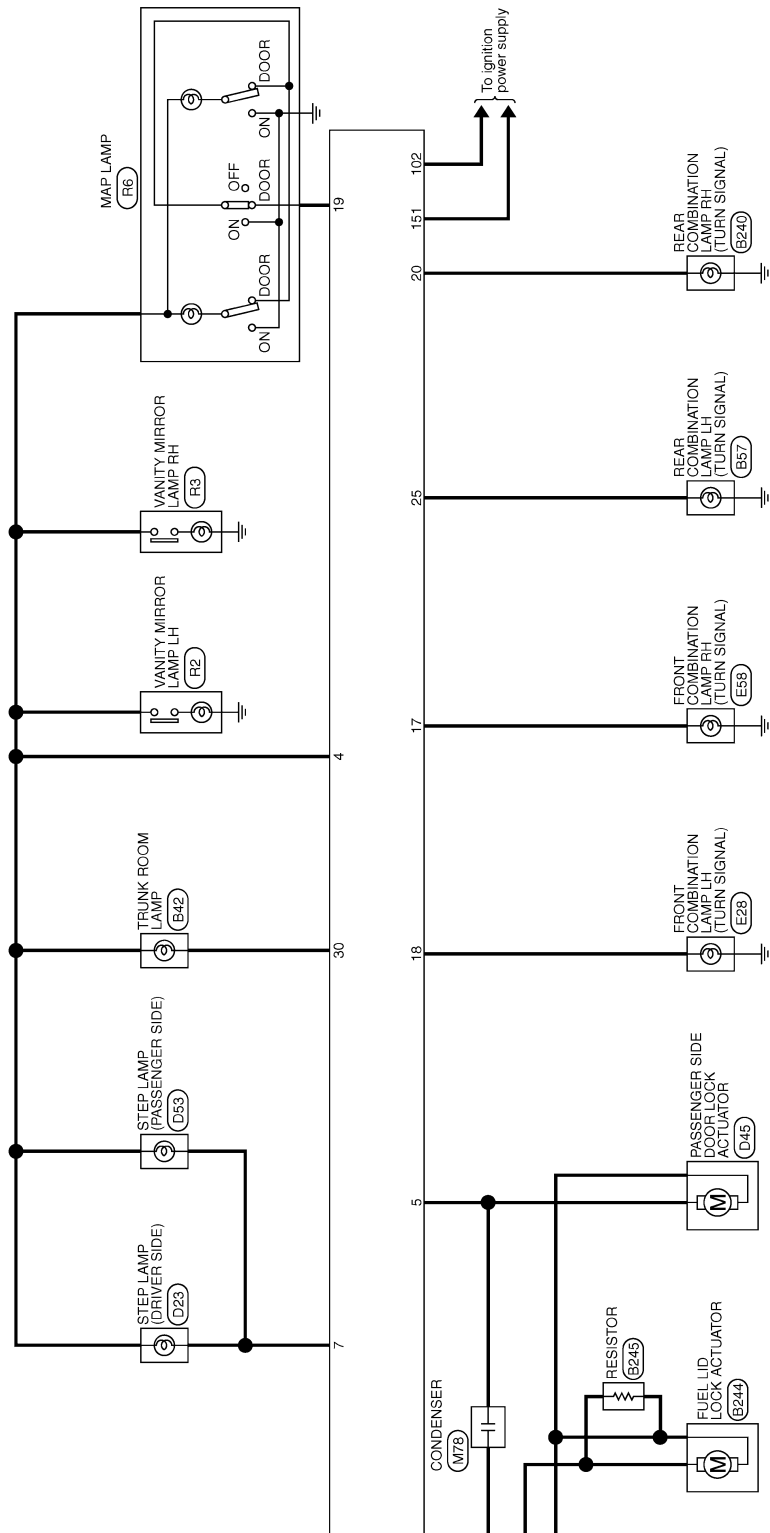


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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



JRMWC6660GB

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:000000009188798

- 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:000000009188799

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-46. "Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK PARKING BRAKE SWITCH UNIT

Perform a unit check for the parking brake switch. Refer to [MWI-46. "Component Inspection"](#).

Is the inspection result normal?

YES >> Replace the combination meter.

NO >> Replace the parking brake switch.

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THE LIGHT REMINDER WARNING DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

THE LIGHT REMINDER WARNING DOES NOT SOUND

Description

INFOID:000000009188800

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

Diagnosis Procedure

INFOID:000000009188801

1.CHECK COMBINATION SWITCH (LIGHTING SWITCH) OPERATION

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

Do they operate normally?

YES >> GO TO 2.

NO >> (This work is recommended to be performed by NHPC.)

2.CHECK DOOR SWITCH (DRIVER SIDE) SIGNAL CIRCUIT

Perform the check for the door switch (driver side) signal circuit. Refer to [DLK-44. "Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3.CHECK DOOR SWITCH (DRIVER SIDE) UNIT

Perform a unit check for the door switch (driver side). Refer to [DLK-45. "Component Inspection"](#).

Is the inspection result normal?

YES >> Replace the BCM. Refer to [BCS-20. "Removal and Installation"](#).

NO >> Replace the door switch (driver side). Refer to [DLK-163. "Removal and Installation"](#).

THE SEAT BELT WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

< SYMPTOM DIAGNOSIS >

THE SEAT BELT WARNING CONTINUES SOUNDING, OR DOES NOT SOUND

Description

INFOID:000000009188802

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

Trouble diagnosis procedure

INFOID:000000009188803

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. (This work is recommended to be performed by NHPC.)

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. (This work is recommended to be performed by NHPC.)

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-20, "Removal and Installation"](#).

4.CHECK SEAT BELT BUCKLE SWITCH CIRCUIT

Perform the check for the seat belt buckle switch circuit. Refer to [SBC-5, "DRIVER SIDE : Diagnosis Procedure"](#).

Is the inspection result normal?

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

5.CHECK SEAT BELT BUCKLE SWITCH UNIT

Perform a unit check for the seat belt buckle switch. Refer to [SBC-6, "DRIVER SIDE : Component Inspection \(Belt Buckle Switch\)"](#).

Is the inspection result normal?

- YES >> Replace the combination meter.
NO >> Replace the seat belt buckle. Refer to [SB-8, "SEAT BELT BUCKLE : Removal and Installation"](#).

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

Precaution for Working Range at a Regular Dealership

INFOID:000000009188804

CAUTION:

The service items unmentioned on this manual are recommended to be performed by a GT-R certified NISSAN dealer. Because those service items require special equipment and a GT-R certified technical staff who completed special training.

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

INFOID:000000009188805

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

Precaution for Battery Service

INFOID:000000009188806

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