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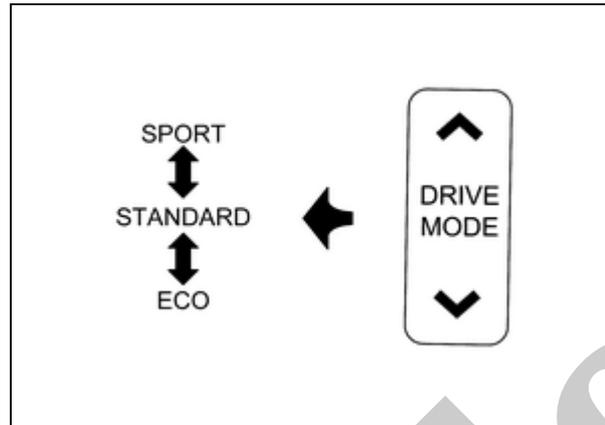
2017 Nissan Rogue Sport Service and Repair Manual

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FUNCTIONS WITHIN THE SYSTEM

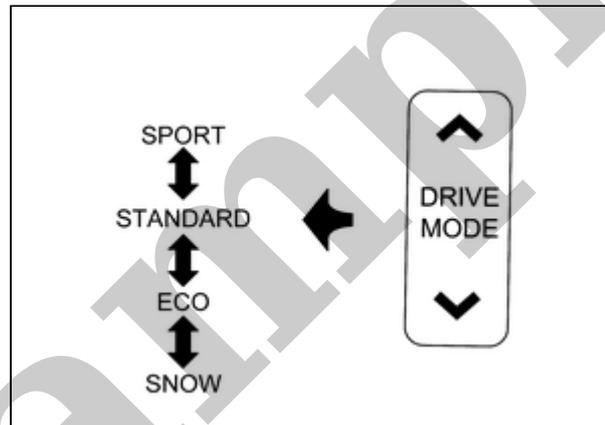
When drive mode select switch is operated, driving mode is changed for each system.

- 2WD models



SIEMD-7262541-01-000365668

- AWD models



SIEMD-7262541-02-000417174



NOTE:

- For systems that can be changed, Refer to [System Description](#).
- The drive mode select switch is integrated with the center console finisher.

INDIVIDUAL FUNCTIONS WITHIN THE SYSTEM

Drive mode select switch detected the mode status.

INDIVIDUAL OPERATION

Transmit the drive mode select switch signal to BCM.

PARTS LOCATION

Refer to [Component Parts Location](#).



NOTE:

The drive mode select switch is integrated with the center console finisher.

Remove center console finisher. Refer to [Disassembly & Assembly](#).

Sample

1. CHECK DRIVER MODE SELECT SWITCH OPERATION

Check that the view of information display change when operating the drive mode select switch.

Is display switched?

YES>>

INSPECTION END

NO>>

Refer to [Diagnosis Procedure](#).

Sample

1. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Power switch ON.
2. Check DTC of “All DTC Reading”.

Is DTCs detected?

YES>>

Record or print self-diagnosis results and freeze frame data (FFD). [GO TO 2.](#)

NO>>

[GO TO 3.](#)

2. PERFORM DIAGNOSES FOR ERROR-CAUSING SYSTEM

 With CONSULT

Perform the trouble diagnosis of components that DTC indicated.

>>

[GO TO 3.](#)

3. CHECK DRIVE MODE DISPLAY

1. Power switch OFF (Auto ACC function OFF) and wait at least 10 seconds.
2. Power switch ON.
3. Check drive mode display on the vehicle information display is STANDARD.
4. Check that the view of information display change when operating the drive mode select switch.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

[GO TO 4.](#)

4. CHECK DRIVE MODE SELECT SWITCH SIGNAL CIRCUIT

1. Power switch OFF (Auto ACC function OFF).
2. Disconnect center console finisher harness connector.
3. Disconnect BCM harness connector.
4. Check the continuity between drive mode select switch harness connector and BCM harness connector.

Center console finisher		BCM		Continuity
Connector	Terminal	Connector	Terminal	
M204	4	M7	57	Existed
	5		80	

5. Check the short circuits to power supply and ground. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

Repair / replace harness or connector.

5. CHECK DRIVE MODE SELECT SWITCH GROUND CIRCUIT

Check the continuity between drive mode select switch harness connector and ground.

Center console finisher		—	Continuity
Connector	Terminal		
M204	16	Ground	Existed

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Repair / replace harness or connector.

6. REPLACE DRIVE MODE SELECT SWITCH

Replace the center console finisher. Refer to [Removal & Installation](#).

>>

INSPECTION END

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

RDE-001897994

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 collisions.

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

WARNING:

Always observe the following items for preventing accidental activation:

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

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

WARNING:

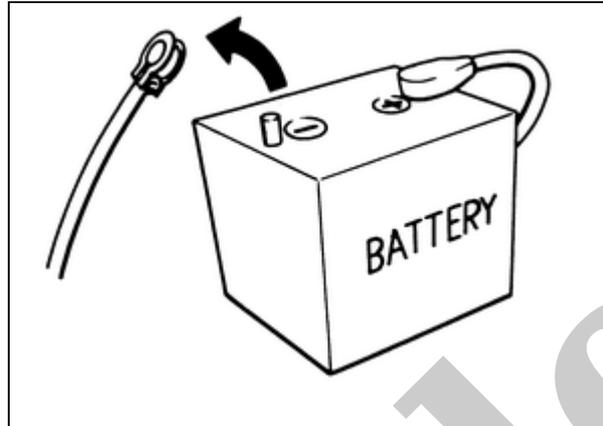
Always observe the following items for preventing accidental activation:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch 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 place the ignition/power switch in the OFF position, disconnect the 12V battery or batteries, and wait at least 3 minutes before performing any service.

Precautions for Removing Battery Terminal

RDE-001897995

- With the adoption of Auto ACC function, ACC power is automatically supplied by operating the Intelligent Key or remote keyless entry or by opening/closing the driver side door. In addition, ACC power is supplied even after the ignition switch is turned to the OFF position, i.e. ACC power is supplied for a certain fixed time.
- When disconnecting the 12V battery terminal, turn off the ACC power before disconnecting the 12V battery terminal, observing "How to disconnect 12V battery terminal" described below.



RDE-001554996-01-EF289H



NOTE:

Some ECUs operate for a certain fixed time even after ignition switch is turned OFF and ignition power supply is stopped. If the battery terminal is disconnected before ECU stops, accidental DTC detection or ECU data damage may occur.

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



NOTE:

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

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



NOTE:

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

HOW TO DISCONNECT 12V BATTERY TERMINAL

Disconnect 12V battery terminal according to instruction described below.

1. Open the hood.
2. Turn ignition switch to the ON position.
3. Turn ignition switch to the OFF position with the driver side door opened.
4. Get out of the vehicle and close the driver side door.
5. Wait at least 3 minutes.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.

6. Remove 12V battery terminal.

CAUTION:

After installing 12V battery, always check self-diagnosis results of all ECUs and erase DTC.

Sample

CAUTION:

- Turn the ProPILOT Assist switch OFF in conditions similar to driving, such as free rollers or a chassis dynamometer.
- Erase the DTC when replacing parts of ProPILOT Assist system, then check the operation of ProPILOT Assist system after radar alignment and camera aiming if necessary.

Sample