Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2012 NISSAN Murano OEM Service and Repair Workshop Manual

Go to manual page

SIEMD-7196768

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0530	17	A/C refrigerant pressure sensor A	Diagnosis condition	Directly after start up of VCM
			Signal	Refrigerant pressure sensor signal
			Threshold	The voltage of the refrigerant pressure sensor exceeds the specified value
			Detection time	More than 0.2 seconds

POSSIBLE CAUSE

- Harness and connector (Refrigerant pressure sensor circuit is open or shorted)
- Refrigerant pressure sensor
- VCM

FAIL-SAFE

Not applicable

1. PRECONDITIONING

1. Press the power switch for at least 2 seconds to turn the high voltage system OFF and then check that the charging status indicator is not illuminated.

NOTE:
When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

2. After the high voltage system is turned OFF, open the driver's side door, get out of the vehicle, close the driver's side door and wait for at least 5 minutes.

CAUTION:
- **Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors during the standby state.**

  If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

>>

GO TO 2 .

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Set the vehicle to READY.
2. Turn A/C ON.
3. Check self-diagnostic result in “EV/HEV”.

Is DTC detected?

YES>>

Refer to DTC Diagnosis Procedure.

NO-1>>

To check malfunction symptom before repair: Refer to Intermittent Incident.

NO-2>>

Confirmation after repair: INSPECTION END

SIEMD-7196770

1. CHECK REFRIGERANT PRESSURE SENSOR CIRCUIT

Check refrigerant pressure sensor circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace error-detected parts.

SIEMD-7196989

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P15A2	98	Traction motor system temperature	Diagnosis condition	Power switch ON
			Signal	–
			Threshold	A temperature abnormality of either the front traction motor or the inverter (front), or both is detected.
			Detection time	–

POSSIBLE CAUSE

- Front traction motor
- Inverter (front)

FAIL-SAFE

Not applicable

SIEMD-7196990

1. PRECONDITIONING

1. Press the power switch for at least 2 seconds to turn the high voltage system OFF and then check that the charging status indicator is not illuminated.

NOTE:
When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

2. After the high voltage system is turned OFF, open the driver's side door, get out of the vehicle, close the driver's side door and wait for at least 5 minutes.

CAUTION:
- **Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors during the standby state.**

  If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

>>

GO TO 2 .

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Set the vehicle to READY and wait at least 10 seconds.
2. Drive for at least 20 minutes to warm up the motor.
3. Drive while repeatedly increasing the vehicle speed 0 km/h ⇒ 10 km/h with the accelerator pedal fully depressed 10 times with as little time as possible in between.
4. Check self-diagnostic result in “EV/HEV”.

Is DTC detected?

YES>>

Refer to DTC Diagnosis Procedure.

NO-1>>

To check malfunction symptom before repair: Refer to Intermittent Incident.

NO-2>>

Confirmation after repair: INSPECTION END

SIEMD-7196991

1. CHECK DTC IN INVERTER (FRONT)

Check if there is any DTC in inverter (front).

Is the inspection result normal?

YES>>

GO TO 2

NO>>

Perform diagnosis for detected DTC. Refer to DTC Index.

2. PERFORM CONFIRMATION PROCEDURE AGAIN

1. Erase DTC.
2. Perform DTC confirmation procedure again. Refer to Confirmation Procedure.

Is DTC P15A2-98 detected again?

YES>>

Replace VCM. Refer to VCM : Removal & Installation.

NO>>

INSPECTION END

SIEMD-7197368

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P2138	00	Accelerator pedal position sensor	Diagnosis condition	Power switch ON
			Signal	Accelerator pedal position sensor 1 and 2 signals
			Threshold	Difference in output voltage value between accelerator pedal position sensor 1 and 2 is more than the specified value
			Detection time	More than 0.5 seconds

POSSIBLE CAUSE

- Accelerator pedal position sensor
- Accelerator pedal

FAIL-SAFE

Not applicable

1. PRECONDITIONING

1. Press the power switch for at least 2 seconds to turn the high voltage system OFF and then check that the charging status indicator is not illuminated.

NOTE:
When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

2. After the high voltage system is turned OFF, open the driver's side door, get out of the vehicle, close the driver's side door and wait for at least 5 minutes.

CAUTION:
- **Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors during the standby state.**

  If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

>>

GO TO 2 .

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Power switch ON.
2. Check self-diagnostic result in “EV/HEV”.

Is DTC detected?

YES>>

Refer to DTC Diagnosis Procedure.

NO-1>>

To check malfunction symptom before repair: Refer to Intermittent Incident.

NO-2>>

Confirmation after repair: INSPECTION END

SIEMD-7197370

1. CHECK ACCELERATOR PEDAL POSITION SENSOR CIRCUIT

Check accelerator pedal position sensor circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace error-detected parts.