

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.

2010 NISSAN Rogue OEM Service and Repair Workshop Manual

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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.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
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

1. PERFORM CONFIRMATION PROCEDURE AGAIN

1. Erase DTC.

2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P0560-61 detected again?

YES>>

Replace VCM. Refer to [VCM : Removal & Installation](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P160C	04	Internal error	Diagnosis condition	Always
			Signal	—
			Threshold	An internal error in the VCM is detected
			Detection time	—

POSSIBLE CAUSE

VCM

FAIL-SAFE

- Quick charge is prohibited
- Normal charge is prohibited
- High-voltage system is suddenly stopped

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
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

1. PERFORM CONFIRMATION PROCEDURE AGAIN

 With CONSULT

1. Erase DTC.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P160C-04 detected again?

YES>>

Replace VCM.Refer to [VCM : Removal & Installation](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
U1327	52	MAC key update	Diagnosis condition	—
			Signal	—
			Threshold	MAC key writing is incomplete
			Detection time	—

POSSIBLE CAUSE

- Network communication error between CONSULT and VCM
- A VCM that has been used in another vehicle is installed
- VCM

FAIL-SAFE

Not applicable

1. CHECK DTC PRIORITY

If DTC U1327-52 is displayed with DTC U1327-54, first perform the trouble diagnosis for DTC U1327-54.

Is applicable DTC detected?

YES>>

Perform trouble diagnosis for applicable DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2](#).

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON.
2. Perform "MAC key writing". Refer to [Work Procedure](#).
3. Perform "Self Diagnostic Result" of "EV/HEV" using CONSULT.

Is DTC U1327-52 detected as the current malfunction?

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

1. CHECK DTC PRIORITY

If DTC U1327-52 is displayed with DTC U1327-54, first perform the trouble diagnosis for DTC U1327-54.

Is applicable DTC detected?

YES>>

Perform trouble diagnosis for applicable DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2](#).

2. PERFORM MAC KEY WRITING

 With CONSULT

1. Perform "MAC key writing". Refer to [Work Procedure](#).
2. Perform "Self Diagnostic Result" of "EV/HEV" using CONSULT.

Is DTC U1327-52 detected as the current malfunction?

YES>>

Replace VCM. Refer to [VCM : Removal & Installation](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
U1327	54	MAC key update	Diagnosis condition	—
			Signal	—
			Threshold	MAC key is not written after VCM replacement
			Detection time	—

POSSIBLE CAUSE

- "MAC key writing" has not been executed
- VCM

FAIL-SAFE

Not applicable