

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.

2011 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. CHECK ACTIVE GRILLE SHUTTER 1

Check active grille shutter 1. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace Active grille shutter. Refer to [Removal & Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1503	08	Active grille shutter 1	Diagnosis condition	Power switch ON
			Signal	LIN communication signal (Active grille shutter 1, 2)
			Threshold	A CAN communication error with active grille shutter 1, 2 is detected
			Detection time	More than 2 seconds

POSSIBLE CAUSE

- LIN communication line (Circuit between Active grille shutter 1, 2 and VCM)
- VCM

FAIL-SAFE

Not applicable

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2. PERFORM DTC CONFIRMATION PROCEDURE

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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. CHECK LIN COMMUNICATION LINE

1. Power switch OFF.
2. Disconnect VCM harness connector, active grille shutter 1 harness connector and active grille shutter 2 harness connector.
3. Check for continuation between VCM harness connector and active grille shutter 1 harness connector.

+		-		Continuation
VCM		Active grille shutter 1		
Connector	Terminal	Connector	Terminal	
E48	99	E60	3	Existing

4. Check for continuation between VCM harness connector and active grille shutter 2 harness connector.

+		-		Continuation
VCM		Active grille shutter 2		
Connector	Terminal	Connector	Terminal	
E48	99	E61	3	Existing

Is the inspection result normal?

YES>>

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

NO>>

Repair or replace error-detected parts.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1503	77	Active grille shutter 1	Diagnosis condition	Power switch ON
			Signal	LIN communication
			Threshold	When a stuck in the closed position malfunction signal from active grille shutter 1 is received
			Detection time	More than 0.5 seconds

POSSIBLE CAUSE

Active grille shutter 1

FAIL-SAFE

Not applicable

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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. CHECK ACTIVE GRILLE SHUTTER 1

Check active grille shutter 1. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace Active grille shutter. Refer to [Removal & Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1503	96	Active grille shutter 1	Diagnosis condition	Power switch ON
			Signal	LIN communication signal (Active grille shutter 1)
			Threshold	When an internal error signal from active grille shutter 1 is received
			Detection time	More than 0.3 seconds

POSSIBLE CAUSE

Active grille shutter 1

FAIL-SAFE

Not applicable

Sample