

# 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.

## 2013 NISSAN Armada OEM Service and Repair Workshop Manual

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**DTC DETECTION LOGIC**

DTC		CONSULT screen terms	DTC detection condition	
U2143	87	CAN communication error (VCM/HCM)	Diagnosis condition	READY state
			Signal	EV system CAN communication signal
			Threshold	Any of the following was detected. <ul style="list-style-type: none"> <li>CAN signal cannot be received from the VCM.</li> <li>There is an error in the CAN signal received from the VCM.</li> </ul>
			Diagnosis delay time	Within 10 seconds

**POSSIBLE CAUSE**

- Inverter (rear)
- VCM
- CAN communications line [between inverter (rear) and VCM]

**FAIL-SAFE**

Vehicle stops (torque 0 Nm), or the driving torque of the rear traction motor is limited, or is not limited.

## 1. PREPARATION BEFORE OPERATION

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If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

**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.**

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## 2. PERFORM THE DTC CONFIRMATION PROCEDURE

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 With CONSULT

1. Set the vehicle to READY and wait for at least 10 seconds.
2. Check the DTC.

Is "U2143-87" 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

# DTC Diagnosis Procedure

SIEMD-7504936

Perform diagnosis of the CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U2144	82	CAN communication error (Li-ion battery)	Diagnosis condition	READY state
			Signal	EV system CAN communication signal
			Threshold	Any of the following was detected. <ul style="list-style-type: none"> <li>CAN signal cannot be received from the LBC.</li> <li>There is an error in the CAN signal received from the LBC.</li> </ul>
			Diagnosis delay time	Within 2 seconds

## POSSIBLE CAUSE

- Inverter (rear)
- LBC
- CAN communications line [between inverter (rear) and LBC]

## FAIL-SAFE

The driving torque of the rear traction motor is limited. Or, no limitation

## 1. PREPARATION BEFORE OPERATION

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If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

**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.**

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## 2. PERFORM THE DTC CONFIRMATION PROCEDURE

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 With CONSULT

1. Set the vehicle to READY and wait for at least 10 seconds.
2. Check the DTC.

Is "U2144-82" 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

# DTC Diagnosis Procedure

SIEMD-7504894

Perform diagnosis of the CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U2144	83	CAN communication error (Li-ion battery)	Diagnosis condition	READY state
			Signal	EV system CAN communication signal
			Threshold	Any of the following was detected. <ul style="list-style-type: none"> <li>CAN signal cannot be received from the LBC.</li> <li>There is an error in the CAN signal received from the LBC.</li> </ul>
			Diagnosis delay time	Within 2 seconds

## POSSIBLE CAUSE

- Inverter (rear)
- LBC
- CAN communications line [between inverter (rear) and LBC]

## FAIL-SAFE

The driving torque of the rear traction motor is limited. Or, no limitation



## 1. PREPARATION BEFORE OPERATION

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If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

**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.**

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## 2. PERFORM THE DTC CONFIRMATION PROCEDURE

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 With CONSULT

1. Set the vehicle to READY and wait for at least 10 seconds.
2. Check the DTC.

Is "U2144-83" 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

# DTC Diagnosis Procedure

SIEMD-7504960

Perform diagnosis of the CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

Sample