

# 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.

## 2015 NISSAN Rogue OEM Service and Repair Workshop Manual

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## 1. PRECONDITIONING

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If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

**CAUTION:**

**While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.**

**NOTE:**


**After the power switch OFF, there is time needed for data writing by the electric shift control module.**

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## 2. CHECK FOR DTC DETECTION

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 With CONSULT

1. Set the power switch to ON and wait at least 5 seconds.
2. Perform self-diagnosis for “SHIFT”.
  - If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is "U18A1-86" detected?

YES&gt;&gt;

Refer to [DTC Diagnosis Procedure](#).

NO-1&gt;&gt;

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2&gt;&gt;

Confirmation after repair: INSPECTION END

# DTC Diagnosis Procedure

SIEMD-7198861

For the trouble diagnosis procedure, Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U18A2	82	CAN Communication Error (VCM)	Diagnosis condition	Power switch ON
			Signal (terminal)	CAN communication
			Threshold	When signal malfunction is detected in the CAN communication signal received from the VCM.
			Diagnosis delay time	—

## POSSIBLE CAUSE

- Harness or connectors  
(Open or short-circuit of the CAN communication line)
- CAN bus of electric shift control module
- VCM

## FAIL-SAFE

- In case of malfunction in the P position: Shifting from the P position to any other position is prohibited.
- In case of malfunction in a position other than the P position: Shifting to the P position is prohibited.

## 1. PRECONDITIONING

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If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

**CAUTION:**

**While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.**

**NOTE:**

After the power switch OFF, there is time needed for data writing by the electric shift control module.

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[GO TO 2.](#)

## 2. CHECK FOR DTC DETECTION

---

 With CONSULT

1. Set the power switch to ON and wait at least 5 seconds.
2. Perform self-diagnosis for “SHIFT”.
  - If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is "U18A2-82" detected?

YES&gt;&gt;

Refer to [DTC Diagnosis Procedure](#).

NO-1&gt;&gt;

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2&gt;&gt;

Confirmation after repair: INSPECTION END

# DTC Diagnosis Procedure

SIEMD-7198864

For the trouble diagnosis procedure, Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U18A2	83	CAN Communication Error (VCM)	Diagnosis condition	Power switch ON
			Signal (terminal)	CAN communication
			Threshold	When signal malfunction is detected in the CAN communication signal received from the VCM.
			Diagnosis delay time	—

## POSSIBLE CAUSE

- Harness or connectors  
(Open or short-circuit of the CAN communication line)
- CAN bus of electric shift control module
- VCM

## FAIL-SAFE

- In case of malfunction in the P position: Shifting from the P position to any other position is prohibited.
- In case of malfunction in a position other than the P position: Shifting to the P position is prohibited.

## 1. PRECONDITIONING

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If another DTC “Confirmation Procedure” was performed immediately before this task, make sure to OFF the power switch, exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter OFF before starting the next test.

**CAUTION:**

**While waiting, never operate the vehicle such as locking, opening, and closing doors. If operating it, results in the activation of ACC power supply according to the auto ACC function.**

**NOTE:**

After the power switch OFF, there is time needed for data writing by the electric shift control module.

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[GO TO 2.](#)

## 2. CHECK FOR DTC DETECTION

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 With CONSULT

1. Set the power switch to ON and wait at least 5 seconds.
2. Perform self-diagnosis for “SHIFT”.
  - If more than one DTC is detected, also perform diagnosis based on the DTC Inspection Priority Chart (Refer to [DTC Inspection Priority Chart](#)).

Is "U18A2-83" 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-7198867

For the trouble diagnosis procedure, Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U18A2	86	CAN Communication Error (VCM)	Diagnosis condition	Power switch ON
			Signal (terminal)	CAN communication
			Threshold	Invalid CAN communication signal from VCM was received.
			Diagnosis delay time	—

## POSSIBLE CAUSE

- Harness or connectors  
(Open or short-circuit of the CAN communication line)
- CAN bus of electric shift control module
- VCM
- 12V battery
- Open of the power ON signal circuit of electric shift control module

## FAIL-SAFE

- In case of malfunction in the P position: Shifting from the P position to any other position is prohibited.
- In case of malfunction in a position other than the P position: Shifting to the P position is prohibited.