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2016 NISSAN Titan XD Crew Cab OEM Service and Repair Workshop Manual

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Sample

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DTC Description

SIEMD-7254571

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart. Refer to CAN Communication Signal Chart.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
U1EC4-87	CAN communication error	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Communication error
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

- Camera image is not displayed.
- MOD function does not operate.

Sample

SIEMD-7254572

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait for 30 seconds.
3. Turn power switch ON and wait at least 1 minute or more.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC U1EC4-87 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

Sample

SIEMD-7254570

1. CHECK CAN DIAGNOSIS

Perform the trouble diagnosis for CAN communication system. Refer to Trouble Diagnosis Flow Chart.

>>

INSPECTION END

Sample

DTC Description

SIEMD-7254575

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart. Refer to CAN Communication Signal Chart.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
U1EC5-87	CAN communication error	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Communication error
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

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Sample

1. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait for 30 seconds.
3. Turn power switch ON and wait at least 1 minute or more.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC U1EC5-87 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

Sample

SIEMD-7254573

1. CHECK CAN DIAGNOSIS

Perform the trouble diagnosis for CAN communication system. Refer to Trouble Diagnosis Flow Chart.

>>

INSPECTION END

Sample

DTC Description

SIEMD-7254582

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart. Refer to CAN Communication Signal Chart.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	DTC detection condition	
U1EC6-87	CAN communication error	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Communication error
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

- Camera image is not displayed.
- MOD function does not operate.

Sample

1. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn power switch ON.
2. Turn power switch OFF and wait for 30 seconds.
3. Turn power switch ON and wait at least 1 minute or more.
4. Select “Self Diagnostic Result” mode of “AROUND VIEW MONITOR” using CONSULT.
5. Check DTC.

Is DTC U1EC6-87 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

Sample

1. CHECK CAN DIAGNOSIS

Perform the trouble diagnosis for CAN communication system. Refer to Trouble Diagnosis Flow Chart.

>>

INSPECTION END

Sample