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2018 Nissan NV2500 HD Service and Repair Manual

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4. ERASE SELF-DIAGNOSIS RESULT

With CONSULT

1. Connect VCM harness connector.
2. Erase self-diagnosis result for “CHASSIS CONTROL”.
3. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.

>>

INSPECTION END

SIEMD-7268062

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U214E	87	CAN communication error (combination meter)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to combination meter.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from combination meter.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- Combination meter

FAIL-SAFE

The following functions are suspended.

Drive mode selector function

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF (auto ACC function OFF) and wait at least 10 seconds before conducting the next test.

>>

GO TO 2.

2. CHECK DTC DETECTION

With CONSULT

1. Power switch OFF (auto ACC function OFF) to ON.

> **CAUTION:**
> **Be sure to wait of 10 seconds after power switch OFF (auto ACC function OFF) or ON.**

2. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U214E-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

SIEMD-7268064

1. PERFORM SELF-DIAGNOSIS

With CONSULT

1. Erase self-diagnosis result for “CHASSIS CONTROL”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U214E-87” detected?

YES>>

GO TO 2.

NO>>

INSPECTION END

2. CHECK VCM SYSTEM (1)

With CONSULT

1. Erase self-diagnosis result for “COMBINATION METER”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “COMBINATION METER”.

Is DTC detected?

YES>>

Check the DTC. Refer to DTC Index.

NO>>

GO TO 3.

3. CHECK VCM SYSTEM (2)

1. Power switch OFF.
2. Disconnect combination meter harness connector.
3. Check combination meter harness connector terminals (CAN communication line) or damage or loose connection.

Is the inspection result normal?

YES>>

GO TO 4.

NO>>

Repair / replace harness, connector, or terminal.

4. ERASE SELF-DIAGNOSIS RESULT

With CONSULT

1. Connect combination meter harness connector.
2. Erase self-diagnosis result for “CHASSIS CONTROL”.
3. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.

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INSPECTION END

SIEMD-7268375

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U214F	83	CAN communication error (BCM)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to BCM.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from BCM.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- CAN communication system
- BCM

FAIL-SAFE

The following functions are suspended.

- Automatic brake hold function
- e-Step function

SIEMD-7268376

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF (auto ACC function OFF) and wait at least 10 seconds before conducting the next test.

>>

GO TO 2.

2. CHECK DTC DETECTION

With CONSULT

1. Power switch OFF (auto ACC function OFF) to ON.

> **CAUTION:**
> **Be sure to wait of 10 seconds after power switch OFF (auto ACC function OFF) or ON.**

2. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U214F-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

SIEMD-7268377

1. PERFORM SELF-DIAGNOSIS

With CONSULT

1. Erase self-diagnosis result for “CHASSIS CONTROL”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “CHASSIS CONTROL”.

Is DTC “U214F-83” detected?

YES>>

GO TO 2.

NO>>

INSPECTION END

2. CHECK BCM SYSTEM (1)

With CONSULT

1. Erase self-diagnosis result for “BCM”.
2. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.
3. Power switch ON.
4. Perform self-diagnosis for “BCM”.

Is DTC detected?

YES>>

Check the DTC. Refer to DTC Index.

NO>>

GO TO 3.

3. CHECK BCM SYSTEM (2)

1. Power switch OFF.
2. Disconnect BCM harness connector.
3. Check BCM harness connector terminals (CAN communication line) or damage or loose connection.

Is the inspection result normal?

YES>>

GO TO 4.

NO>>

Repair / replace harness, connector, or terminal.

4. ERASE SELF-DIAGNOSIS RESULT

With CONSULT

1. Connect BCM harness connector.
2. Erase self-diagnosis result for “CHASSIS CONTROL”.
3. Power switch OFF (auto ACC function OFF) and wait for 10 seconds or more.

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INSPECTION END