

# 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.

## 2018 NISSAN Quest OEM Service and Repair Workshop Manual

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## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2543	83	CAN communication error (VCM/HCM/EVC/HEVC)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to VCM.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from VCM.
				Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

- CAN communication system
- VCM

## FAIL-SAFE

The following functions are suspended.

- Automatic brake hold function
- e-Step function

## 1. PRECONDITIONING

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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.

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[GO TO 2.](#)

## 2. CHECK DTC DETECTION

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 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 “U2543-83” 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

## 1. PERFORM SELF-DIAGNOSIS

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 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 “U2543-83” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

## 2. CHECK VCM SYSTEM (1)

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 With CONSULT

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

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

## 3. CHECK VCM SYSTEM (2)

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1. Power switch OFF.
2. Disconnect VCM harness connector.
3. Check VCM 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

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 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

Sample

**DTC DETECTION LOGIC**

DTC No.		CONSULT screen terms	DTC detection condition		
U2543	87	CAN communication error (VCM/HCM/EVC/HEVC)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to VCM.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from VCM.
				Diagnosis delay time	2 seconds or more

**POSSIBLE CAUSE**

- CAN communication system
- VCM

**FAIL-SAFE**

The following functions are suspended.

- Automatic brake hold function
- e-Step 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 “U2543-87” 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

## 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 “U2543-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

## 2. CHECK VCM SYSTEM (1)

---

 With CONSULT

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

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 VCM harness connector.
3. Check VCM 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 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

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2675	83	CAN communication error (AVM)	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not transmitting to around view monitor control unit.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	Not receiving from around view monitor control unit.
				Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

- CAN communication system
- Around view monitor control unit

## FAIL-SAFE

Normal control