

# 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 NV200 Service and Repair Manual

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## 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 “U2118-87” detected?

YES>>

[GO TO 2.](#)

NO>>

INSPECTION END

## 2. CHECK INTELLIGENT KEY UNIT SYSTEM (1)

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 With CONSULT

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

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

## 3. CHECK INTELLIGENT KEY UNIT SYSTEM (2)

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1. Power switch OFF.
2. Disconnect intelligent key unit harness connector.
3. Check intelligent key unit 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 intelligent key unit 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 |                      |                          |
|---------|----|--------------------------------------------------------------------------------------------|-------------------------|----------------------|--------------------------|
| U2143   | 83 | Controller area network communication error (Vehicle control module/Hybrid control module) | 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.

- Intelligent trace control function
- 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.

>>

[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 “U2143-83” 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

---

 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 “U2143-83” 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 |                      |                          |
|---------|----|--------------------------------------------------------------------------------------------|-------------------------|----------------------|--------------------------|
| U2143   | 87 | Controller area network communication error (Vehicle control module/Hybrid control module) | 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.

- Intelligent trace control function
- 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 “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

## 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 “U2143-87” 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.