

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.

2014 NISSAN NV200 OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1AB2	64	Low voltage sensor error	Diagnosis condition	READY, AUTO ACC or power switch ON
			Signal	—
			Threshold	An error in the DC/DC converter internal system is detected.
			Detection time	1 second

POSSIBLE CAUSE

DC/DC converter

FAIL-SAFE

DC/DC converter output is stopped

1. PRECONDITIONING

- Press the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

- Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Erase “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.
2. Set the vehicle to READY and wait at least 1 second.
3. Check “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.

Is DTC 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 DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P1AB2-64 detected again?

YES>>

Replace DC/DC converter. Refer to [DC/DC CONVERTER : Disassembly & Assembly](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1AB5	64	High voltage sensor error	Diagnosis condition	READY, AUTO ACC or power switch ON
			Signal	—
			Threshold	An error in the DC/DC converter internal system is detected.
			Detection time	1 second

POSSIBLE CAUSE

DC/DC converter

FAIL-SAFE

DC/DC converter output is stopped

1. PRECONDITIONING

- Press the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

- Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

- Erase “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.
- Set the vehicle to READY.
- Use the electrical loads below and check that the “DC/DC converter's output current” is displayed to be more than 25 A in the “DATA MONITOR” in “DC/DC CONVERTER”.

Rear window defogger	ON
Blower fan speed	MAX
Wiper	ON

- Check “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.

Is DTC 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 DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P1AB5-64 detected again?

YES>>

Replace DC/DC converter. Refer to [DC/DC CONVERTER : Disassembly & Assembly](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1ABB	17	Low voltage output voltage	Diagnosis condition	READY, AUTO ACC or power switch ON
			Signal	—
			Threshold	When it is detected that more than 22.9V is applied to the low voltage side of the DC/DC converter
			Detection time	1 second

POSSIBLE CAUSE

- 12V battery
- Other electrical components

FAIL-SAFE

DC/DC converter output is stopped

1. PRECONDITIONING

- Press the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

- Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Erase “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.
2. Set the vehicle to READY and wait at least 1 second.
3. Check “self-diagnostic result” in “DC/DC CONVERTER” using CONSULT.

Is DTC 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. CHECK 12V BATTERY

Check 12V battery. Refer to [Work Flow](#).

Is the inspection result normal?

YES>>

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NO>>

Replace 12V battery. Refer to [12V BATTERY : Removal & Installation](#).

2. PERFORM FULL SELF-DIAGNOSIS

 With CONSULT

1. Power switch ON.

2. Check if a power supply circuit DTC is detected at another control unit using CONSULT.

Is DTC detected?

YES>>

Check the detected DTC.

NO>>

Check 12V battery power supply circuit.