

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 Sentra Service and Repair Manual

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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 P1AB4-16 detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1AB4	17	Low rectifier voltage sensor error 2	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

Not applicable

1. PRECONDITIONING

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CAUTION:

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- 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 P1AB4-17 detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1AB4	64	Low rectifier voltage sensor error 2	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



NOTE:

Replace DC/DC converter only if the current DTC condition continues.

FAIL-SAFE

Not applicable

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 P1AB4-64 detected again?

YES-1>>

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

YES-2>>

Past DTC: Erase the DTC, and then perform DTC confirmation procedure again.

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1C50	43	CAN controller	Diagnosis condition	When starting up On-board charger
			Signal	—
			Threshold	When a CAN controller error is detected
			Detection time	1 time when starting up

POSSIBLE CAUSE

On-board charger

FAIL-SAFE

Normal charge is stopped

Sample