

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.

2007 NISSAN Titan Crew Cab OEM Service and Repair Workshop Manual

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Replace corresponding module.

- Refer to [Disassembly & Assembly](#).
- Refer to [Disassembly & Assembly](#).

NO>>

Replace cell controller which indicates abnormality. Refer to [Removal & Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1BA1	16	Cell voltage circuit	Diagnosis condition	Power switch ON
			Signal (terminal)	Cell voltage
			Threshold	When cell voltage exceeds available voltage range
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- Cell voltage detection circuit
- Cell (module)
- Cell controller

FAIL-SAFE

Pattern A: No driving, Charge stop, and EV system warning lamp illuminate

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 2 seconds.
2. Check "Self diagnosis Results" of "HIGH VOLTAGE BATTERY" and "HIGH VOLTAGE BATTERY 2".

Is P1BA1-16 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

Sample

1. CHECK CELL CONTROLLER STATUS

 With CONSULT

1. Power switch ON.
2. Check "Data Monitor" of "HIGH VOLTAGE BATTERY" and then record the following items;
 - "Cell controller status 01"
 - "Cell controller status 02"
 - "Cell controller status 03"
 - "Cell controller status 04"
 - "Cell controller status 05"
 - "Cell controller status 06"
 - "Cell controller status 07"
 - "Cell controller status 08"

>>

[GO TO 2.](#)

2. CHECK CELL VOLTAGE DETECTION CIRCUIT

Check cell voltage circuit (harness connector between cell controller and module) to which cell controller that indicates abnormality in the recorded "Cell controller status" is connected.



NOTE:

For comparison of cell, module, and cell controller, Refer to [Component Description](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair or replace malfunctioning parts.

3. CHECK CELL VOLTAGE

Check cell voltage included in the module to which cell controller that indicates abnormality in the recorded "Cell controller status" is connected.



NOTE:

For comparison of cell, module, and cell controller, Refer to [Component Description](#).

Is there any cell that voltage is out of range between 2.5 V and 4.5 V.

YES>>

Replace corresponding module.

- Refer to [Disassembly & Assembly](#).
- Refer to [Disassembly & Assembly](#).

NO>>

Replace cell controller which indicates abnormality. Refer to [Removal & Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1BA1	F1	Cell voltage circuit	Diagnosis condition	Power switch ON
			Signal (terminal)	Cell voltage
			Threshold	When cell voltage exceeds available voltage range
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- Cell voltage detection circuit
- Cell (module)

FAIL-SAFE

Pattern A: No driving, Charge stop, and EV system warning lamp illuminate

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 2 seconds.
2. Check "Self diagnosis Results" of "HIGH VOLTAGE BATTERY" and "HIGH VOLTAGE BATTERY 2".

Is P1BA1-F1 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

Sample

1. CHECK CELL CONTROLLER STATUS

 With CONSULT

1. Power switch ON.
2. Check "Data Monitor" of "HIGH VOLTAGE BATTERY" and then record the following items;
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Sample