

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.

2008 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

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1. CHECK MODULE TEMPERATURE SENSOR CIRCUIT

Check each module temperature sensor circuit (harness connector between cell controller and module. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace malfunctioning parts.

2. CHECK MODULE TEMPERATURE SENSOR

Check module temperature sensor. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

Replace corresponding cell controller. Refer to [Removal & Installation](#).

NO>>

Replace corresponding module. Refer to [Disassembly & Assembly](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
P1B3F	62	Module temperature sensor 16	Diagnosis condition	Power switch ON
			Signal (terminal)	Module temperature sensor temperature
			Threshold	Deviation in module temperature sensor characteristics.
			Diagnosis delay time	More than 2 seconds continuously

POSSIBLE CAUSE

- Module temperature sensor 16 circuit
- Module temperature sensor 16

FAIL-SAFE

Not applicable

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 P1B3F-62 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 MODULE TEMPERATURE SENSOR CIRCUIT

Check each module temperature sensor circuit (harness connector between cell controller and module. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace malfunctioning parts.

2. CHECK MODULE TEMPERATURE SENSOR

Check module temperature sensor. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

Replace corresponding cell controller. Refer to [Removal & Installation](#).

NO>>

Replace corresponding module. Refer to [Disassembly & Assembly](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1BB1	08	Li-ion battery communication	Diagnosis condition	Power switch ON
			Signal (terminal)	ASIC
			Threshold	When communication malfunction of internal LBC is detected
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

LBC

FAIL-SAFE

Pattern B: Driving output power limit, Charge stop, and EV system warning lamp illuminate

Sample

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 P1BB1-08 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 CONTINUITY BETWEEN LBC AND CELL CONTROLLER HARNESS

Check cell controller communication circuit (continuity of harness between LBC and cell controller). Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair or replace malfunctioning parts.

3. JUGE CELL CONTROLLER STATUS

Check recorded cell controller status 01 to cell controller status08.

Is NG indicated?

YES>>

Replace cell controller that displayed abnormality Refer to [Removal & Installation](#).. and [GO TO 4.](#)

NO>>

Replace Li-ion battery controller. Refer to [Removal & Installation](#). and [GO TO 4.](#)

4. ASSEMBLY AND INSTALLATION OF LI-ION BATTERY

Assemble and install Li-ion battery.

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5. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

1. Power switch ON.
2. Erase DTC.



NOTE:

Erase DTC in order first "HIGH VOLTAGE BATTERY 2" then next "HIGH VOLTAGE BATTERY".

3. Power switch OFF and wait at least 5 minute.
4. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is P1BB1-08 detected?

YES>>

Replace Li-ion battery controller, all cell controllers, and harness between Li-ion battery controller and cell controller. (Parts that replaced at step 3 are not required to replace). Refer to [Removal & Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B15	11	High voltage relay thermistor	Diagnosis condition	Power switch ON
			Signal (terminal)	High voltage relay thermistor voltage
			Threshold	When detecting short circuit in high voltage relay thermistor circuit.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- High voltage relay thermistor circuit
- High voltage relay thermistor
- LBC

FAIL-SAFE

Pattern F: Driving Output Power Limit and EV system warning lamp illuminate