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2009 NISSAN 370Z Roadster OEM Service and Repair Workshop Manual

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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 P1B6C-12 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

SIEMD-7377049

1. CHECK CELL VOLTAGE DATA MONITOR

With CONSULT

1. Power switch ON.
2. Select "Data Monitor" of "HIGH VOLTAGE BATTERY".
3. Select "Cell condition 01-96".
4. Check that each cell is abnormal.

Is any cell abnormal?

YES>>

GO TO 2.

NO>>

Perform intermittent incident. Refer to Inspection.

2. CHECK CELL VOLTAGE DETECTION CIRCUIT

Check cell voltage circuit (harness connector between cell controller and module) corresponding to that cell is abnormal. Refer to Diagnosis Procedure.

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 the voltage of the cell corresponding to abnormal cell number. Refer to Component Description.

NOTE:
For comparison of cell, module, and cell controller, Refer to Component Description.

Cell voltage is 0.5 V or more>>

Replace cell controller corresponding to that cell is abnormal. Refer to Removal & Installation.

Cell voltage is 0.5 V or less>>

Replace corresponding module. Refer to Disassembly & Assembly.

SIEMD-7377087

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
P1B6C	13	Cell voltage circuit (Module 13)	Diagnosis condition	Power switch ON
			Signal (terminal)	Cell voltage
			Threshold	When cell voltage falls below available voltage range
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

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

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 P1B6C-13 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

SIEMD-7377256

1. CHECK CELL VOLTAGE DATA MONITOR

With CONSULT

1. Power switch ON.
2. Select "Data Monitor" of "HIGH VOLTAGE BATTERY".
3. Select "Cell condition 01-96".
4. Check that each cell is abnormal.

Is any cell abnormal?

YES>>

GO TO 2.

NO>>

Perform intermittent incident. Refer to Inspection.

2. CHECK CELL VOLTAGE DETECTION CIRCUIT

Check cell voltage circuit (harness connector between cell controller and module) corresponding to that cell is abnormal. Refer to Diagnosis Procedure.

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 the voltage of the cell corresponding to abnormal cell number. Refer to Component Description.

NOTE:
For comparison of cell, module, and cell controller, Refer to Component Description.

Cell voltage is 0.5 V or more>>

Replace cell controller corresponding to that cell is abnormal. Refer to Removal & Installation.

Cell voltage is 0.5 V or less>>

Replace corresponding module. Refer to Disassembly & Assembly.

SIEMD-7377507

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
P1B6C	F1	Cell voltage circuit (Module 13)	Diagnosis condition	Power switch ON
			Signal (terminal)	Cell voltage
			Threshold	When cell voltage falls below available voltage range
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

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

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 P1B6C-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

DTC Diagnosis Procedure

SIEMD-7376992

1. CHECK CELL VOLTAGE DATA MONITOR

With CONSULT

1. Power switch ON.
2. Select "Data Monitor" of "HIGH VOLTAGE BATTERY".
3. Select "Cell condition 01-96".
4. Check that each cell is abnormal.

Is any cell abnormal?

YES>>

GO TO 2.

NO>>

Perform intermittent incident. Refer to Inspection.

2. CHECK CELL VOLTAGE DETECTION CIRCUIT

Check cell voltage circuit (harness connector between cell controller and module) corresponding to that cell is abnormal. Refer to Diagnosis Procedure.

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 the voltage of the cell corresponding to abnormal cell number. Refer to Component Description.

NOTE:
For comparison of cell, module, and cell controller, Refer to Component Description.

Cell voltage is 0.5 V or more>>

Replace cell controller corresponding to that cell is abnormal. Refer to Removal & Installation.

Cell voltage is 0.5 V or less>>

Replace corresponding module.Refer to Disassembly & Assembly.

SIEMD-7377133

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
P1B6C	F2	Cell voltage circuit (Module 13)	Diagnosis condition	Power switch ON
			Signal (terminal)	Cell voltage
			Threshold	When cell voltage falls below available voltage range
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

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

FAIL-SAFE

Not applicable