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2008 NISSAN 350 Z OEM Service and Repair Workshop Manual

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SIEMD-7376995

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B05	62	Module temperature sensor	Diagnosis condition	Power switch ON
			Signal (terminal)	Module temperature sensor temperature
			Threshold	Deviation in temperature characteristics between more than half of module temperature sensors.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- Module temperature sensor
- Module temperature sensor circuit
- Cell controller

FAIL-SAFE

Pattern B: Driving output power limit, 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 P1B05-62 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

SIEMD-7377118

1. CHECK DTC DETECTION OF MODULE TEMPERATURE SENSOR SYSTEM

With CONSULT

1. Power switch ON and wait at least 2 seconds.
2. Check "Self Diagnostic Results" of "HIGH VOLTAGE BATTERY".
3. Check if DTCs P1B30-11/15/62 (Module temperature sensor 1) to P1B3B-11/15/62(Module temperature sensor 12) are detected.

Is corresponding DTC detected?

YES>>

GO TO 2.

NO>>

GO TO 4.

2. CHECK MODULE TEMPERATURE SENSOR CIRCUIT

Check module temperature sensor circuit (harness connector between cell controller and module) which detected DTC indicates. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

GO TO 3.

NO>>

Repair or replace malfunctioning parts.

3. CHECK MODULE TEMPERATURE SENSOR

Check module temperature sensor which detected DTC indicates. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

Replace corresponding cell controller. Refer to Removal & Installation.

NO>>

Replace corresponding module.

- Refer to Disassembly & Assembly.
- Refer to Disassembly & Assembly.

4. 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. Perform DTC confirmation procedure again. Refer toDTC Diagnosis Procedure.

Is P1B05-62 detected?

YES>>

Replace Li-ion battery controller and all cell controllers. Refer to Removal & Installation.

NO>>

INSPECTION END

SIEMD-7377408

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B0D	41	Li-ion battery controller	Diagnosis condition	Power switch ON
			Signal (terminal)	LBC (CPU)
			Threshold	When self diagnosis program of internal LBC detects CPU malfunction.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

LBC

FAIL-SAFE

Pattern D: 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 P1B0D-41 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-7377307

1. PERFORM DTC CONFIRMATION PROCEDURE

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. Perform DTC confirmation procedure again. Refer to Confirmation Procedure.

Is P1B0D-41 detected?

YES>>

Replace Li-ion battery controller. Refer to Removal & Installation.

NO>>

INSPECTION END

SIEMD-7377603

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B0E	41	Li-ion battery controller	Diagnosis condition	Power switch ON
			Signal (terminal)	LBC (CPU)
			Threshold	When self diagnosis program of internal LBC detects CPU malfunction.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

LBC

FAIL-SAFE

Pattern D: EV system warning lamp illuminate

SIEMD-7377573

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 P1B0E-41 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