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2007 NISSAN Skyline Sedan OEM Service and Repair Workshop Manual

Go to manual page

SIEMD-7377459

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 P1BB5-87 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-7377158

1. CHECK BATTERY CURRENT SENSOR

Check battery current sensor circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

Replace battery junction box. Refer to Disassembly & Assembly. (Built-in battery current sensor)

NO>>

Repair or replace malfunctioning parts.

SIEMD-7377138

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U2144	87	CAN communication	Diagnosis condition	Power switch ON
			Signal (terminal)	CAN communication signal
			Threshold	When data error of CAN communication signal from LBC (main CPU) is detected
			Diagnosis delay time	More than 2 seconds continuously

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 U2144-87 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. CAN COMMUNICATION SYSTEM DIAGNOSIS

Perform trouble diagnosis for CAN communication system. Refer to Trouble Diagnosis Flow Chart.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace malfunctioning parts.

SIEMD-7377126

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B00	16	Power supply voltage	Diagnosis condition	Power switch ON
			Signal (terminal)	LBC power supply voltage
			Threshold	When power supply voltage of LBC falls below the specified voltage
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

LBC power supply circuit

FAIL-SAFE

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

SIEMD-7377142

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 P1B00-16 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

SIEMD-7377350

1. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check LBC power supply and ground circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

Perform intermittent incident. Refer to Intermittent Incident.

NO>>

Repair or replace malfunctioning parts.

SIEMD-7377376

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B01	12	Cell voltage circuit	Diagnosis condition	Power switch ON
			Signal (terminal)	ASIC
			Threshold	When detecting short circuit of cell voltage measuring circuit
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

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

FAIL-SAFE

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