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2007 NISSAN Sentra SE-R OEM Service and Repair Workshop Manual

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1. PERFORM DTC CONFIRMATION PROCEDURE

(H) 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 U3D00-51 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. 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 U3D00-51 detected?

YES>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U3D01	06	FOTA	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

- Software automatic update function (OTA)

FAIL-SAFE

Not applicable

1. PERFORM DTC CONFIRMATION PROCEDURE

(B) 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 U3D01-06 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

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 U3D01-06 detected?

YES>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U3D01	41	FOTA	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

- Software automatic update function (OTA)

FAIL-SAFE

Not applicable

1. PERFORM DTC CONFIRMATION PROCEDURE

(B) 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 U3D01-41 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

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 U3D01-41 detected?

YES>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U3D01	51	FOTA	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

- Software automatic update function (OTA)

FAIL-SAFE

Not applicable