

# 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 370Z OEM Service and Repair Workshop Manual

[Go to manual page](#)

## 1. PERFORM DTC CONFIRMATION PROCEDURE

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 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 P1BAE-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	
P1BB7	11	Module temperature sensor	Diagnosis condition	Power switch ON
			Signal (terminal)	Module temperature sensor temperature
			Threshold	When short circuit is detected in more than half of module temperature sensor circuits
			Diagnosis delay time	More than 2 seconds continuously

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

## 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 P1BB7-11 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. CHECK BATTERY PACK TEMPERATURE SENSOR STATE

---

 With CONSULT

1. Power switch ON.
2. Select "Data Monitor" of "HIGH VOLTAGE BATTERY" and record "Battery pack temp status".

Is abnormality of "Open circuit and Short to line" or "Record of short to ground" displayed?

YES>>

[GO TO 2.](#)

NO>>

[GO TO 3.](#)

## 2. CHECK MODULE TEMPERATURE SENSOR CIRCUIT.

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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 3.](#)

NO>>

Repair or replace malfunctioning parts.

## 3. CHECK MODULE TEMPERATURE SENSOR

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Check module temperature sensor. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

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

NO>>

Repair Corresponding module.

- Refer to [Disassembly & Assembly](#).
- Refer to [Disassembly & Assembly](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1BB7	15	Module temperature sensor	Diagnosis condition	Power switch ON
			Signal (terminal)	Module temperature sensor temperature
			Threshold	When short circuit is detected in more than half of module temperature sensor circuits
			Diagnosis delay time	More than 2 seconds continuously

POSSIBLE CAUSE

- Module temperature sensor
- Module temperature sensor circuit

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 P1BB7-15 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. CHECK BATTERY PACK TEMPERATURE SENSOR STATE

---

 With CONSULT

1. Power switch ON.
2. Select "Data Monitor" of "HIGH VOLTAGE BATTERY" and record "Battery pack temp status".

Is abnormality of "Open circuit and Short to line" or "Record of short to ground" displayed?

YES>>

[GO TO 2.](#)

NO>>

[GO TO 3.](#)

## 2. 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 3.](#)

NO>>

Repair or replace malfunctioning parts.

## 3. CHECK MODULE TEMPERATURE SENSOR

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Check module temperature sensor. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

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

NO>>

Repair Corresponding module.

- Refer to [Disassembly & Assembly](#).
- Refer to [Disassembly & Assembly](#).



DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B07	11	Water temperature sensor A	Diagnosis condition	Power switch ON
			Signal (terminal)	Battery pack water temperature voltage
			Threshold	When detecting short circuit in battery pack water temperature circuit.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- Battery pack water temperature sensor circuit
- Battery pack water temperature sensor

FAIL-SAFE

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

## 1. PERFORM DTC CONFIRMATION PROCEDURE

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 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 P1B07-11 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