

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 Qashqai OEM Service and Repair Workshop Manual

[Go to manual page](#)

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 P1B15-11 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

Sample

1. CHECK HIGH VOLTAGE RELAY THERMISTOR CIRCUIT

1. Check high voltage relay thermistor circuit. Refer to [Diagnosis Procedure](#).
2. Power switch ON and erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P1B15-11 detected again?

YES>>

Replace Li-ion battery controller. Refer to [Removal & Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B15	15	High voltage relay thermistor	Diagnosis condition	Power switch ON
			Signal (terminal)	High voltage relay thermistor voltage
			Threshold	When detecting open circuit in high voltage relay thermistor circuit.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

- High voltage relay thermistor circuit
- High voltage relay thermistor
- LBC

FAIL-SAFE

Pattern F: Driving Output Power Limit 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 P1B15-15 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

Sample

1. CHECK HIGH VOLTAGE RELAY THERMISTOR CIRCUIT

1. Check high voltage relay thermistor circuit. Refer to [Diagnosis Procedure](#).
2. Power switch ON and erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is the inspection result normal?

YES>>

Replace Li-ion battery controller. Refer to [Removal & Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U2142	87	CAN communication error (Inverter MG/MG)	Diagnosis condition	Power switch ON
			Signal (terminal)	CAN communication signal
			Threshold	When data error of CAN communication signal from traction motor inverter is detected
			Diagnosis delay time	More than 2 seconds continuously

POSSIBLE CAUSE

- CAN communication circuit
- Traction motor inverter

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 U2142-87 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

Sample

1. CAN COMMUNICATION SYSTEM DIAGNOSIS

Perform trouble diagnosis for CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace malfunctioning parts.

2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

1. Power switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is U2142-87 detected?

YES>>

Replace inverter (front). Refer to [INVERTER \(FRONT\) : Removal & Installation](#).

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P1B60	12	Cell voltage circuit (Module 1)	Diagnosis condition	Power switch ON
			Signal (terminal)	ASIC
			Threshold	When short circuit of cell voltage measuring circuit is detected.
			Diagnosis delay time	2 seconds or less

POSSIBLE CAUSE

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

FAIL-SAFE

Not applicable