

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.

2013 NISSAN CrossCabriolet OEM Service and Repair Workshop Manual

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CAUTION:

When installing the 12V battery into the vehicle, a DTC may be stored as a result of fluctuations in the voltage input into the inverter.

If a DTC remains in the past malfunctions, check the history of 12V battery removal and installation.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P0C02	12	Drive Motor B Current	Diagnosis condition	READY state
			Signal	—
			Threshold	A power module error was detected.
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

Power module in the inverter (rear)

FAIL-SAFE

Control of the rear traction motor stops.

Sample

1. PREPARATION BEFORE OPERATION

If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the auto ACC function.

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2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Set the vehicle to READY and wait for at least 10 seconds.
2. Fully depress the accelerator pedal to increase the vehicle speed up to 10 km/h (6 MPH).
3. Stop the vehicle.
4. Check the DTC.

Is "P0C02-12" 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. REPLACEMENT OF THE INVERTER (REAR)

Replace the inverter (rear). Refer to [Removal and Installation](#).

>>

END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
POC02	18	Drive Motor B Current	Diagnosis condition	READY state
			Signal	—
			Threshold	A power module error was detected.
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

Power module in the inverter (rear)

FAIL-SAFE

Control of the rear traction motor stops.

Sample

1. PREPARATION BEFORE OPERATION

If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the auto ACC function.

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2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Set the vehicle to READY and wait for at least 10 seconds.
2. Fully depress the accelerator pedal to increase the vehicle speed up to 10 km/h (6 MPH).
3. Stop the vehicle.
4. Check the DTC.

Is "P0C02-18" 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. REPLACEMENT OF THE INVERTER (REAR)

Replace the inverter (rear). Refer to [Removal and Installation](#).

>>

END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P0A79	48	Drive Motor B Inverter	Diagnosis condition	READY state
			Signal	—
			Threshold	An error signal from the LBC was received.
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

EV battery system

FAIL-SAFE

Limits drive torque of rear traction motor

1. PREPARATION BEFORE OPERATION

If another "Confirmation Procedure" was performed immediately before this task, always power switch OFF exit the vehicle and close all doors (including the back door), and wait for at least 60 seconds until the combination meter turns off before starting the next test.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the auto ACC function.

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2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Set to READY and wait for at least 10 seconds.
2. Check the DTC.

Is "P0A79-48" 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. INSPECTION OF THE EV BATTERY SYSTEM

Inspect the EV battery system.

- 66kWh Li-ion battery models: Refer to [Work Flow](#).
- 91kWh Li-ion battery models: Refer to [Work Flow](#).

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INSPECTION END

Sample