

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 Leaf OEM Service and Repair Workshop Manual

[Go to manual page](#)

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.

>>

[GO TO 2.](#)

2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

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

Is "P0C0E-A2" 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	
P0BF1	1C	Drive Motor B Phase U Current Sensor	Diagnosis condition	At inverter (rear) start
			Signal	—
			Threshold	The U-phase current sensor output deviated from the prescribed value
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

U-phase current sensor circuit in the inverter (rear)

FAIL-SAFE

The vehicle cannot be started (READY status cannot be achieved).

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.

>>

[GO TO 2.](#)

2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
2. Check the DTC.

Is "P0BF1-1C" 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

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P0BF5	1C	Drive Motor B Phase V Current Sensor	Diagnosis condition	At inverter (rear) start
			Signal	—
			Threshold	The V-phase current sensor output deviated from the prescribed value.
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

V-phase current sensor circuit in the inverter (rear)

FAIL-SAFE

The vehicle cannot be started (READY status cannot be achieved).

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.

>>

[GO TO 2.](#)

2. PERFORM THE DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
2. Check the DTC.

Is "P0BF5-1C" 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

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
P0BF9	1C	Drive Motor B Phase W Current Sensor	Diagnosis condition	At inverter (rear) start
			Signal	—
			Threshold	The W-phase current sensor output deviated from the prescribed value.
			Diagnosis delay time	Within 1 second

POSSIBLE CAUSE

W-phase current sensor circuit in the inverter (rear)

FAIL-SAFE

The vehicle cannot be started (READY status cannot be achieved).