

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.

2014 NISSAN Frontier OEM Service and Repair Workshop Manual

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1. PERFORM VCM DIAGNOSIS

Perform VCM diagnosis. Refer to [DTC Index](#).

Is DTC detected?

YES>>

Perform the trouble shooting relevant to the DTC indicated.

NO>>

[GO TO 2.](#)

2. CHECK 12V BATTERY

Check the 12V battery. Refer to [Work Flow](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace 12V battery. Refer to [12V BATTERY : Removal & Installation](#).

3. CHECK QUICK CHARGER HARNESS

Check quick charger harness.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair or replace error-detected parts.

4. CHECK QUICK CHARGER

Check quick charger for any malfunction.



NOTE:

Refer to the instruction manual of the used quick charger.

Is the inspection result normal?

YES>>

Replace CPLC. Refer to [CPLC : Removal & Installation](#).

NO>>

Repair or replace error-detected parts.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
B2B1A	68	Charging device	Diagnosis condition	During quick charge
			Signal	—
			Threshold	When a charger error is detected
			Detection time	—

POSSIBLE CAUSE

VCM

CPLC

Quick charger

FAIL-SAFE

Quick charge is stopped

1. CHECK DTC PRIORITY

If DTC B2B1A-68 is displayed with B2B03-96, first perform the trouble diagnosis for B2B03-96.

Is applicable DTC detected?

YES>>

Perform trouble diagnosis for applicable DTC. Refer to [DTC Description](#).

NO>>

[GO TO 2](#).

2. PRECONDITIONING

1. Erase “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 3 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

3. Check that 12V battery voltage is 11 V or more.

>>

[GO TO 3](#).

3. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Perform quick charge for at least 10 seconds.
2. Power switch ON and wait for at least 10 seconds.
3. Check “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.

Is DTC 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 VCM DIAGNOSIS

Perform VCM diagnosis. Refer to [DTC Index](#).

Is DTC detected?

YES>>

Perform the trouble shooting relevant to the DTC indicated.

NO>>

[GO TO 2.](#)

2. CHECK QUICK CHARGER HARNESS

Check quick charger harness.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair or replace error-detected parts.

3. CHECK QUICK CHARGER

Check quick charger for any malfunction.



NOTE:

Refer to the instruction manual of the used quick charger.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair or replace error-detected parts.

4. CHECK CPLC

Perform CPLC inspection. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Check intermittent incident. Refer to [Intermittent Incident](#).

NO>>

Repair or replace error-detected parts.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
B2B01	87	Communication error	Diagnosis condition	During quick charge
			Signal	—
			Threshold	When communication with the VCM is interrupted while charging
			Detection time	—

POSSIBLE CAUSE

CAN communication circuit

FAIL-SAFE

Quick charge is stopped

Sample

1. CHECK DTC PRIORITY

If DTC B2B01-87 is displayed with B2B03-96, first perform the trouble diagnosis for B2B03-96.

Is applicable DTC detected?

YES>>

Perform trouble diagnosis for applicable DTC. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PRECONDITIONING

1. Erase “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 3 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

3. Check that 12V battery voltage is 11 V or more.

>>

[GO TO 3.](#)

3. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Perform quick charge for at least 10 seconds.
2. Power switch ON and wait for at least 10 seconds.
3. Check “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.

Is DTC 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 VCM DIAGNOSIS

Perform VCM diagnosis. Refer to [DTC Index](#).

Is DTC detected?

YES>>

Perform the trouble shooting relevant to the DTC indicated.

NO>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC B2B01-87 detected again?

YES>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
B2B02	87	Communication error	Diagnosis condition	During quick charge
			Signal	—
			Threshold	When communication with the BCM is interrupted while charging
			Detection time	—

POSSIBLE CAUSE

CAN communication circuit

FAIL-SAFE

Quick charge is stopped

Sample

1. CHECK DTC PRIORITY

If DTC B2B02-87 is displayed with B2B03-96, first perform the trouble diagnosis for B2B03-96.

Is applicable DTC detected?

YES>>

Perform trouble diagnosis for applicable DTC. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PRECONDITIONING

1. Erase “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 3 minutes.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors while waiting.

3. Check that 12V battery voltage is 11 V or more.

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[GO TO 3.](#)

3. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Perform quick charge for at least 10 seconds.
2. Power switch ON and wait for at least 10 seconds.
3. Check “self-diagnostic result” in “CALCULATOR POWER LINE COMMUNICATION” using CONSULT.

Is DTC 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