

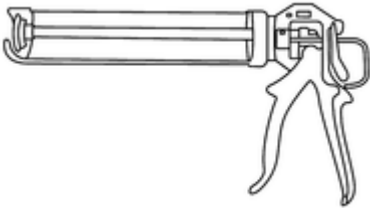
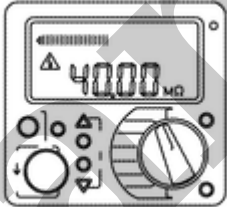


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2014 NISSAN Cube OEM Service and Repair Workshop Manual

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Tool name		Description
	 <p>RDE-001824609-06-PCIA0012ZZ</p>	
Insulated helmet	 <p>RDE-001824609-07-PCIA0013ZZ</p>	Removing and installing high voltage components
Tube presser [Gasket material applicator]	 <p>RDE-001824609-08-SCIA0639ZZ</p>	Installing PDM (Power Delivery Module) cover (Apply the liquid gasket)
Insulation resistance tester (Multi tester)	 <p>RDE-001824609-09-PCIA0014ZZ</p>	Measuring insulation resistance, voltage, and resistance

DTC DETECTION LOGIC

CAUTION:

This DTC may be detected when there is a quick charger malfunction. Therefore, if this DTC is detected, check the quick charger for any malfunction.

DTC		CONSULT screen terms	DTC detecting condition	
B2B1C	68	Charge error	Diagnosis condition	During quick charge
			Signal	—
			Threshold	When the charging process is not useful
			Detection time	—

POSSIBLE CAUSE

- VCM
- Quick charger
- CPLC

FAIL-SAFE

Quick charge is stopped

1. CHECK DTC PRIORITY

If DTC B2B1C-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

CAUTION:

This DTC may be detected when there is a quick charger malfunction. Therefore, if this DTC is detected, check the quick charger for any malfunction.

DTC		CONSULT screen terms	DTC detecting condition	
B2B1E	68	Charge error	Diagnosis condition	During quick charge
			Signal	—
			Threshold	When charging is interrupted by the quick charger
			Detection time	—

POSSIBLE CAUSE

- VCM
- Quick charger
- CPLC

FAIL-SAFE

Quick charge is stopped

1. CHECK DTC PRIORITY

If DTC B2B1E-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	
B2B04	55	Configuration	Diagnosis condition	Power switch ON
			Signal	—
			Threshold	When a configuration is not performed
			Detection time	5 seconds

POSSIBLE CAUSE

Configuration is incomplete

FAIL-SAFE

Not applicable

Sample

1. CHECK DTC PRIORITY

If DTC B2B04-55 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. Power switch ON and wait for at least 5 seconds.
2. 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