

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.

2011 NISSAN Micra 5 Doors OEM Service and Repair Workshop Manual

[Go to manual page](#)

1. PRECONDITIONING

1. Press the power switch for at least 2 seconds to turn the high voltage system OFF and then check that the charging status indicator is not illuminated.

**NOTE:**

When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

2. After the high voltage system is turned OFF, open the driver's side door, get out of the vehicle, close the driver's side door and wait for at least 5 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 during the standby state.**

If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

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[GO TO 2](#) .

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
2. Check self-diagnostic result in “EV/HEV”.

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. CHECK CAN COMMUNICATION CIRCUIT

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

Is the inspection result normal?

YES>>

[GO TO 2](#) .

NO>>

Repair or replace error-detected parts.

2. CHECK DTC

 With CONSULT

Check self-diagnostic result in “EV/HEV”.

Is CAN error other than DTC P1694-87 detected?

YES>>

[GO TO 3](#) .

NO>>

[GO TO 4](#) .

3. REPLACE VCM

 With CONSULT

1. Replace VCM. Refer to [VCM : Removal & Installation](#).
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P1694-87 detected again?

YES>>

Replace Li-ion battery controller. Refer to [Removal & Installation](#)(66kWh LI-ION BATTERY), [Removal & Installation](#)(91kWh LI-ION BATTERY).

NO>>

INSPECTION END

4. REPLACE LBC

 With CONSULT

1. Replace LBC. Refer to [Removal & Installation](#)(66kWh LI-ION BATTERY), [Removal & Installation](#)(91kWh LI-ION BATTERY).
2. Power switch ON and erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P1694-87 detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P16DC	61	Communication error	Diagnosis condition	Power switch ON
			Signal	CAN communication
			Threshold	An abnormal signal out the below is received as a CAN communication signal. <ul style="list-style-type: none"> • Door signal • Seat belt signal • Vehicle speed signal • Brake signal
			Detection time	More than 2 seconds

POSSIBLE CAUSE

- CAN communication circuit
- BCM
- VDC

FAIL-SAFE

Not applicable

1. PRECONDITIONING

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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 during the standby state.**

If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

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[GO TO 2](#) .

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
2. Check self-diagnostic result in “EV/HEV”.

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. CHECK CAN COMMUNICATION CIRCUIT

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

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace error-detected parts.

2. CHECK BCM SELF-DIAGNOSIS

 With CONSULT

Check "Self-diagnosis result" in "BCM".

Is DTC detected?

YES>>

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

NO>>

[GO TO 3.](#)

3. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SELF-DIAGNOSIS

 With CONSULT

Check "Self-diagnosis result" in "ABS actuator and electric unit (control unit)".

Is DTC detected?

YES>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P3194	00	Communication error	Diagnosis condition	Power switch ON
			Signal	CAN communication
			Threshold	Abnormalities in each of the wheel rotation sensor signals that is received from the ABS actuator and electric unit (control unit) are detected
			Detection time	—

POSSIBLE CAUSE

- CAN communication circuit
- ABS actuator and electric unit (control unit)
- VCM

FAIL-SAFE

Cruise control (ProPILOT Assist/ProPILOT Assist 2.0) operation prohibited

1. PRECONDITIONING

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2. After the high voltage system is turned OFF, open the driver's side door, get out of the vehicle, close the driver's side door and wait for at least 5 minutes.

CAUTION:

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If an operation is performed, wait an additional 5 minutes from that time.

- **Check that 12V battery voltage is 11 V or more.**

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[GO TO 2](#) .

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 10 seconds.
2. Check self-diagnostic result in "EV/HEV".

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. CHECK CAN COMMUNICATION CIRCUIT

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

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace error-detected parts.

2. CHECK DTC

 With CONSULT

Check self-diagnostic result in “EV/HEV”.

Is CAN error other than DTC P3194-00 (excluding U1000) detected?

YES>>

[GO TO 3.](#)

NO>>

Check brake control system. Refer to [Work Flow](#).

3. REPLACE VCM

 With CONSULT

1. Replace VCM. Refer to [VCM : Removal & Installation](#).
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P3194-00 detected again?

YES>>

Replace ABS actuator and electric unit (control unit). Refer to [ABS ACTUATOR AND ELECTRIC UNIT \(CONTROL UNIT\): Removal & Installation](#).

NO>>

INSPECTION END