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2010 NISSAN Pixo 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 20 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>>

INSPECTION END

NO>>

Repair or replace error-detected parts.

SIEMD-7197413

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
U2148	87	CAN communication error (brake control unit)	Diagnosis condition	Power switch ON
			Signal	• CAN communication signal • Drivetrain CAN communication 2 circuit signal
			Threshold	Communication error
			Detection time	2 seconds

POSSIBLE CAUSE

- CAN communication circuit
- Drivetrain CAN communication 2 circuit

FAIL-SAFE

Not applicable

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>>

GO TO 2 .

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Power switch ON and wait at least 20 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>>

INSPECTION END

NO>>

Repair or replace error-detected parts.

SIEMD-7197416

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
U214E	87	CAN communication error (combination meter)	Diagnosis condition	Power switch ON
			Signal	• CAN communication signal • Drivetrain CAN communication 2 circuit signal
			Threshold	Communication error
			Detection time	30 seconds

POSSIBLE CAUSE

- CAN communication circuit
- Drivetrain CAN communication 2 circuit

FAIL-SAFE

Not applicable

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 1 minute.
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

SIEMD-7197418

1. CHECK CAN COMMUNICATION CIRCUIT

Perform trouble diagnosis for CAN communication circuit. Refer to Trouble Diagnosis Flow Chart.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace error-detected parts.

SIEMD-7197428

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
U214F	87	CAN communication error (BCM)	Diagnosis condition	Power switch ON
			Signal	• CAN communication signal • Drivetrain CAN communication 2 circuit signal
			Threshold	Communication error
			Detection time	30 seconds

POSSIBLE CAUSE

- CAN communication circuit
- Drivetrain CAN communication 2 circuit

FAIL-SAFE

Not applicable