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2012 NISSAN Pixo OEM Service and Repair Workshop Manual

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SIEMD-7197323

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1729	98	High voltage junction box temperature	Diagnosis condition	When neither an opening, short to power supply or short to ground is detected in the high voltage junction box temperature sensor circuit
			Signal	High voltage junction box temperature sensor
			Threshold	High voltage junction box temperature sensor value is more than the specified value
			Detection time	—

POSSIBLE CAUSE

Overheating of high voltage junction box

FAIL-SAFE

High-voltage system is normally stopped

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.**

>>

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

SIEMD-7197325

1. PERFORM CONFIRMATION PROCEDURE AGAIN

1. Erase DTC.
2. Perform DTC confirmation procedure again. Refer to Confirmation Procedure.

Is DTC P1729-98 detected again?

YES>>

Replace VCM. Refer to VCM : Removal & Installation.

NO>>

INSPECTION END

SIEMD-7196877

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D98	11	Battery charger coupler unlock control	Diagnosis condition	Always
			Signal	Charge port lid actuator (+) signal
			Threshold	A short to ground in the charge port lid actuator (+) signal circuit is detected
			Detection time	More than 2 seconds

POSSIBLE CAUSE

- Harness and connector (The charge port lid actuator (+) signal circuit is shorted to ground)
- Charge port lid actuator

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 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 CHARGE PORT LID ACTUATOR CIRCUIT

Check charge port lid actuator circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

GO TO 2 .

NO>>

Repair or replace error-detected parts.

2. CHECK VCM OUTPUT SIGNAL

1. Reinstall removed parts and connectors.
2. Check the output signals at VCM connector. Refer to Physical Values.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace VCM. Refer to VCM : Removal & Installation.

SIEMD-7196880

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D98	12	Battery charger coupler unlock control	Diagnosis condition	Always
			Signal	Charge port lid actuator (+) signal
			Threshold	A short to power supply in the charge port lid actuator (+) signal circuit is detected
			Detection time	More than 2 seconds

POSSIBLE CAUSE

- Harness and connector (The charge port lid actuator (+) signal circuit is shorted to power supply)
- Charge port lid actuator

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.**

>>

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

SIEMD-7196882

1. CHECK CHARGE PORT LID ACTUATOR CIRCUIT

Check charge port lid actuator circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

GO TO 2 .

NO>>

Repair or replace error-detected parts.

2. CHECK VCM OUTPUT SIGNAL

1. Reinstall removed parts and connectors.
2. Check the output signals at VCM connector. Refer to Physical Values.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace VCM. Refer to VCM : Removal & Installation.