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2012 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

Go to manual page

SIEMD-7196883

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D98	13	Battery charger coupler unlock control	Diagnosis condition	Always
			Signal	Charge port lid actuator (+) signal
			Threshold	An opening 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 open)
- 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-7196885

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.

Wiring Diagram

Click link to Wiring Diagram.

Wiring Diagram

Click link to Wiring Diagram.

Description

SIEMD-7201624

When replacing VCM, it is necessary to write MAC key to VCM. Write MAC key to VCM according to "MAC Key writing" procedure of "CONSULT Operation Manual".

CAUTION:
During MAC key writing, maintain the following conditions:

- **Power switch ON**
- **CONSULT is connected to internet**

1. PERFORM MAC KEY WRITING

1. Power switch ON.
2. Select "MAC Key writing" on "Work Support" of "VCM" using CONSULT.
3. Touch "Write".

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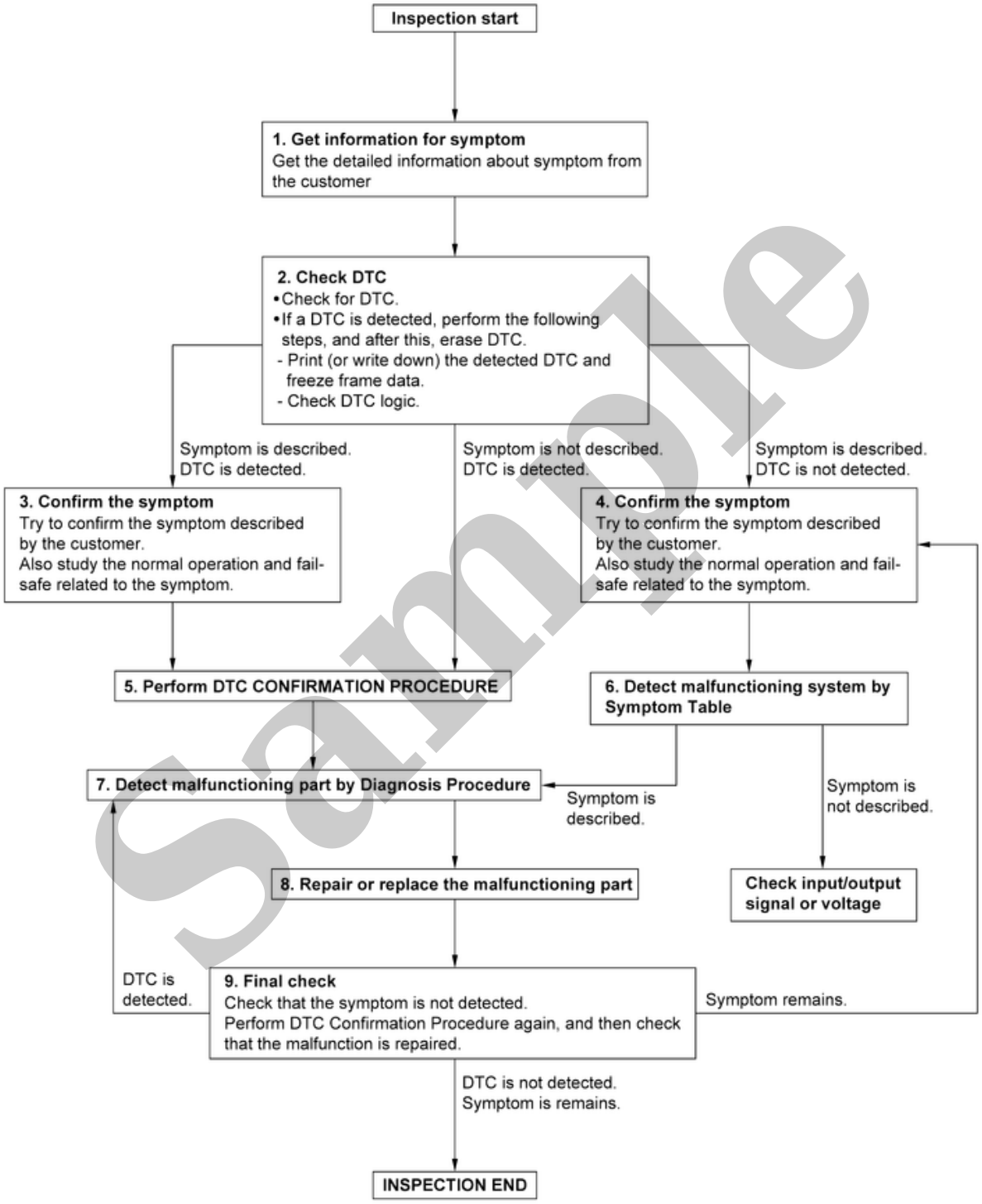
WORK END

SIEMD-7196750

BASIC INSPECTION FLOW



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BASIC INSPECTION FLOW DETAIL

1. GET INFORMATION OF SYMPTOM

When vehicle is taken into the workshop with malfunction, try to get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred) using the “Diagnostic Work Sheet”. Refer to Diagnostic Work Sheet.

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GO TO 2.

2. CHECK DTC

1. Check DTC.
2. If a DTC is detected, perform the following steps, and after this, erase DTC.
    - Print (or write down) the detected DTC and freeze frame data.
    - Check DTC logic. Refer to DTC Index.
    - Study the relationship between the cause detected by DTC and the symptom described by the customer. (Symptom Diagnosis is useful. Refer to Symptom Table.)

Are any symptoms described and any DTCs detected?

Symptom is described, DTC is detected>>

GO TO 3.

Symptom is described, DTC is not detected>>

GO TO 4.

Symptom is not described, DTC is detected>>

GO TO 5.

3. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom. Refer to Fail-safe.

Diagnosis Work Sheet is useful to verify the incident.

Verify relation between the symptom and the condition when the symptom is occurred.

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GO TO 5 .

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom. Refer to Fail-safe.

Diagnosis Work Sheet is useful to verify the incident.

Verify relation between the symptom and the condition when the symptom is occurred.

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GO TO 6.

5. PERFORM "DTC CONFIRMATION PROCEDURE"

Perform "DTC CONFIRMATION PROCEDURE" for the displayed DTC, and then check that DTC is detected again.