# 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.

## 2010 NISSAN Teana 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.**

>>

GO TO 2 .

## 2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn power switch OFF.
2. Connect the quick charger coupler to the quick charge port.
3. Perform quick charge (charging using the quick charger) for at least 60 seconds.
4. Stop quick charge and wait for 10 seconds.
5. Turn power switch ON and wait for 10 seconds.
6. 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-7197235

## 1. PERFORM CONFIRMATION PROCEDURE AGAIN

With CONSULT

1. Turn power switch ON.
2. Erase DTC.
3. Turn power switch OFF.
4. Perform DTC confirmation procedure again with a different quick charger than the quick charger that was used when performing the DTC confirmation procedure the previous time. Refer to Confirmation Procedure.

Is DTC detected again?

YES>>

GO TO 2 .

NO>>

INSPECTION END (Quick charger malfunction)

## 2. PERFORM SELF-DIAGNOSIS OF CPLC

With CONSULT

Perform self-diagnosis of CPLC.

Is DTC detected?

YES>>

Check the DTC. Refer to DTC Index.

NO>>

GO TO 3 .

## 3. CHECK CHARGE PORT

1. Turn power switch OFF.
2. Disconnect charge port harness connector.
3. Check the charge port. Refer to Component Inspection.

Is the inspection result normal?

YES>>

GO TO 4 .

NO>>

Replace charge port.Refer to CHARGE PORT : Removal & Installation.

## 4. CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to Intermittent Incident.

Is the inspection result normal?

YES>>

Replace VCM. Refer to VCM : Removal & Installation.

NO>>

Repair or replace error-detected parts.

SIEMD-7215949

# DTC DETECTION LOGIC

| DTC | | CONSULT screen terms | DTC detecting condition | |
|---|---|---|---|---|
| P1666 | 72 | Charging system | Diagnosis condition | During normal charge |
| | | | Signal | – |
| | | | Threshold | When normal charge connector release switch is continuously pressed for at least 100 seconds |
| | | | Detection time | – |

# POSSIBLE CAUSE

Normal charge connector

# FAIL-SAFE

Normal charge prohibited

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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.**

>>

GO TO 2 .

## 2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Perform normal charge and wait for at least 2 minutes. (Release the normal charge connector release switch)
2. Power switch ON.
3. 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-7215952

## 1. PERFORM CONFIRMATION PROCEDURE AGAIN

With CONSULT

1. Power switch ON.
2. Erase DTC.
3. Power switch OFF.
4. Perform DTC confirmation procedure again with a different normal charge connector than the normal charge connector that was used when performing the DTC confirmation procedure the previous time.Refer to Confirmation Procedure.

Is DTC P1666-72 detected again?

YES>>

Replace charge port. Refer to CHARGE PORT : Removal & Installation.

NO>>

INSPECTION END (Normal charge connector malfunction)

SIEMD-7197239

# DTC DETECTION LOGIC

| DTC | | CONSULT screen terms | DTC detecting condition | |
|---|---|---|---|---|
| P166C | 1D | Charging device | Diagnosis condition | When quick charge is stopped |
| | | | Signal | CAN communication (Charge current signal) |
| | | | Threshold | Quick charge stop is requested but the actual current does not become below 5A. |
| | | | Detection time | More than 5 seconds |

# POSSIBLE CAUSE

Quick charger

# FAIL-SAFE

Not applicable

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## 2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

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3. Perform quick charge (charging using the quick charger) for at least 60 seconds.
4. Stop quick charge an wait at least 10 seconds.
5. Turn power switch ON and wait at least 10 seconds.
6. 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. PERFORM CONFIRMATION PROCEDURE AGAIN

With CONSULT

1. Turn power switch ON.
2. Erase DTC.
3. Turn power switch OFF.
4. Perform DTC confirmation procedure again with a different quick charger than the quick charger that was used when performing the DTC confirmation procedure the previous time.Refer to Confirmation Procedure.

Is DTC detected again?

YES>>

GO TO 2

NO>>

INSPECTION END (Quick charger malfunction)

## 2. CHECK CAN COMMUNICATION CIRCUIT

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

Is the inspection result normal?

YES>>

Check intermittent incident. Refer to Intermittent Incident.

NO>>

Repair or replace error-detected parts.