

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.

2014 NISSAN Tiida/Versa OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D2A	00	Battery charger input current	Diagnosis condition	During normal charge
			Signal	—
			Threshold	When the AC current is detected to be too large
			Detection time	5 seconds

POSSIBLE CAUSE

- On-board charger
- Commercial power supply

FAIL-SAFE

Normal charge is stopped

1. PRECONDITIONING

1. Erase “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 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 while waiting.

3. Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Change the power supply environment (Charging device) and perform normal charge for at least 120 seconds.
2. Power switch ON and wait at least 5 seconds.
3. Check “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” using CONSULT.

**NOTE:**

If a DTC other than “P0D2A-00” is detected, perform the trouble diagnosis for the detected DTC.

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 DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P0D2A-00 detected again?

YES>>

Replace On-board charger. Refer to [ON-BOARD CHARGER : Disassembly & Assembly](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D22	00	Battery charger output current	Diagnosis condition	During normal charge
			Signal	—
			Threshold	When the normal charge end command value from the VCM is not complied with
			Detection time	300 ms

POSSIBLE CAUSE

On-board charger

FAIL-SAFE

Normal charge is stopped

Sample

1. PRECONDITIONING

1. Erase “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” and “EV/HEV” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 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 while waiting.

3. Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Change the power supply environment (Charging device) and perform normal charge for at least 120 seconds.
2. Stop normal charge and disconnect the charge connector.
3. Set the vehicle to READY and wait at least 1 second.
4. Check “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” using CONSULT.

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 DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC P0D22-00 detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P0D67	00	Battery charger control module	Diagnosis condition	READY, power switch ON or AUTO ACC
			Signal	12 V battery voltage signal
			Threshold	When a 12 V battery voltage error is detected
			Detection time	Max 100 seconds

POSSIBLE CAUSE

- On-board charger
- 12 V battery

FAIL-SAFE

Normal charge is stopped

1. PRECONDITIONING

1. Erase “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” and “EV/HEV” using CONSULT.
2. Turn the power switch OFF with the driver's side door open, get out of the vehicle, close the driver's side door and wait for at least 4 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 while waiting.

3. Check that 12 V battery voltage is 11 V or more.

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2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Set the vehicle to READY and wait for at least 120 seconds.
2. Check “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” using CONSULT.

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 12V BATTERY CIRCUIT SELF-DIAGNOSIS

 With CONSULT

Check if a DTC related to 12V battery voltage error has been detected at another ECU.

Is a 12V battery voltage error DTC detected?

YES>>

Perform the trouble diagnosis for the detected DTC.

NO>>

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2. CHECK 12V BATTERY

Check 12V battery. Refer to [Work Flow](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace 12V battery. Refer to [12V BATTERY : Removal & Installation](#).

3. CHECK 12V BATTERY CIRCUIT

1. Power switch OFF.
2. Disconnect On-board charger harness connector.
3. Check voltage between On-board charger and ground.

+		-	Voltage
On-board charger			
Connector	Terminal		
E30	1	Ground	12V battery power supply voltage

4. Also check harness for short to ground.

Is the inspection result normal?

YES>>

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NO>>

Repair or replace error-detected parts.

4. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT