

Your Ultimate Source for OEM Repair Manuals

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2014 NISSAN Terrano OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1C60	19	DC over current error	Diagnosis condition	During normal charge
			Signal	—
			Threshold	When the DC current is detected to be too large
			Detection time	2 seconds

POSSIBLE CAUSE

On-board charger

FAIL-SAFE

Normal charge is stopped

1. PRECONDITIONING

1. Erase “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE”, “EV/HEV”, “HIGH VOLTAGE BATTERY” and “HIGH VOLTAGE BATTERY 2” 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 for at least 2 seconds.
4. Check “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE”, “EV/HEV”, “HIGH VOLTAGE BATTERY” and “HIGH VOLTAGE BATTERY 2” using CONSULT.



NOTE:

If a DTC other than “P1C60–19” 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 P1C60-19 detected again?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

- Never use an extension cable or similar item during charging.
- Be sure to use an independent specification current or higher charging station or socket. Refer to [Handling Precaution](#).

DTC		CONSULT screen terms	DTC detecting condition	
P1C64	17	AC over voltage error	Diagnosis condition	During normal charge
			Signal	—
			Threshold	When an AC voltage is too large error is detected
			Detection time	2 seconds

POSSIBLE CAUSE

- On-board charger
- Commercial power supply
- EVSE (Charging device)

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. Erase “self-diagnostic result” in “CHARGER/POWER DELIVERY MODULE” using CONSULT.
2. Change the power supply environment (Charging device) and perform normal charge for at least 120 seconds.
3. 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 SELF-DIAGNOSIS OF VCM

 With CONSULT

1. Power switch ON.
2. Check “self-diagnostic result” in “EV/HEV” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis for the detected DTC.

NO>>

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2. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

Perform DTC confirmation procedure again with a different EVSE than the EVSE that was used when performing the DTC confirmation procedure the previous time. Refer to [Confirmation Procedure](#).



NOTE:

- Use an EVSE that has been checked to operate normally.
- Check that the exclusive wiring work of the EVSE and the customer's normal charge charging device is line with Nissan's recommended work.

Is DTC P1C64-17 detected again?

YES>>

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

NO>>

Perform EVSE inspection. Refer to [Symptom Table](#).

DTC DETECTION LOGIC

CAUTION:

- Never use an extension cable or similar item during charging.
- Be sure to use an independent specification current or higher charging station or socket. Refer to [Handling Precaution](#).

DTC		CONSULT screen terms	DTC detecting condition	
P1C64	38	AC over voltage error	Diagnosis condition	During normal charge
			Signal	—
			Threshold	When an AC frequency error is detected
			Detection time	Max 100 seconds

POSSIBLE CAUSE

- On-board charger
- Commercial power supply

FAIL-SAFE

Normal charge is stopped

**NOTE:**

When this DTC is detected, since the possibility that the commercial power supply is the cause is high, experiment with performing confirmation with Nissan's recommended device.

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 for at least 2 seconds.
3. 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 P1C64-38 detected again?

YES>>

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

NO>>

INSPECTION END

Sample