

Your Ultimate Source for OEM Repair Manuals

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2014 NISSAN Sunny OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detecting condition	
P1C62	82	Communication error	Diagnosis condition	READY, power switch ON or AUTO ACC
			Signal	CAN communication signal
			Threshold	When an error signal is detected
			Detection time	Max 135 seconds

POSSIBLE CAUSE

Harness and connector (CAN communication line is open or shorted)

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. Set the vehicle to READY and wait for at least 180 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. 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 SELF-DIAGNOSIS OF LBC

 With CONSULT

1. Power switch ON.
2. Check “self-diagnostic result” in “HIGH VOLTAGE BATTERY” and “HIGH VOLTAGE BATTERY 2” using CONSULT.

Is DTC detected?

YES>>

Perform the trouble diagnosis for the detected DTC.

NO>>

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3. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

 With CONSULT

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

Is DTC P1C61-82 detected again?

YES>>

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

NO>>

INSPECTION END

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	
U1D40	87	Communication error	Diagnosis condition	During key OFF and normal charge
			Signal	—
			Threshold	When a CAN bus error is detected
			Detection time	Max 9 seconds

POSSIBLE CAUSE

Harness and connector (CAN communication line is open or shorted)

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. Set the vehicle to key OFF status and perform normal charge for at least 120 seconds.
2. Power switch ON.
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 U1D40-87 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	
U2143	83	CAN communication error (VCM/HCM)	Diagnosis condition	READY, power switch ON or AUTO ACC
			Signal	CAN communication signal
			Threshold	When an error signal is detected
			Detection time	Max 9 seconds

POSSIBLE CAUSE

Harness and connector (CAN communication line is open or shorted)

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. 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. Refer to [Confirmation Procedure](#).

Is DTC U2143-83 detected again?

YES>>

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

NO>>

INSPECTION END