Your Ultimate Source for OEM Repair Manuals

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2017 NISSAN Grand Livina OEM Service and Repair Workshop Manual

Go to manual page

1. PERFORM DTC CONFIRMATION PROCEDURE

Ⓗ With CONSULT

    1. Turn power switch ON.

    2. Turn power switch OFF and wait for 30 seconds.

    3. Turn power switch ON and wait at least 2 seconds or more.

    4. Select "Self Diagnostic Result" mode of "AROUND VIEW MONITOR" using CONSULT.

    5. Check DTC.

Is DTC U2A08–88 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

DTC Diagnosis Procedure

1. CHECK CAN DIAGNOSIS

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

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INSPECTION END

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only. CAN Communication Signal Chart. Refer to CAN Communication Signal Chart.

DTC DETECTION LOGIC

DTC	CONSULT screen terms	CONSULT screen terms	
U2A0A-88	Communication Bus Off ITS6-FD	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Around view monitor control unit cannot communicate CAN communication signal
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

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CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

Ⓗ With CONSULT

    1. Turn power switch ON.

    2. Turn power switch OFF and wait for 30 seconds.

    3. Turn power switch ON and wait at least 2 seconds or more.

    4. Select "Self Diagnostic Result" mode of "AROUND VIEW MONITOR" using CONSULT.

    5. Check DTC.

Is DTC U2A0A-88 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

DTC Diagnosis Procedure

1. CHECK CAN DIAGNOSIS

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

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INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
C21F6	49	Camera	Diagnosis condition	Vehicle: READY
			Signal (terminal)	—
			Threshold	If front camera unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Front camera unit

- Around view monitor control unit

FAIL-SAFE

The following systems are canceled.

- Lane keep function[*1]

- Lane keep function[*2]

- Lane change support function

- Overtaking support function

- Route driving support function

- AEB

- RAB

- I-FCW

- I-LI

- I-BSI

- TSR

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

1. CHECK DTC PRIORITY

If DTC "C21F6-49" is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to DTC Index.

NO>>

GO TO 2.

2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Perform "All DTC Reading" with CONSULT.

3. Check if the "C21F6-49" is detected as the current malfunction in "Self Diagnostic Result" of "AROUND VIEW MONITOR".

Is "C21F6-49" detected as the current malfunction?

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 DTC PRIORITY

If DTC "C21F6-49" is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to DTC Index.

NO>>

GO TO 2.

2. CHECK FRONT CAMERA UNIT SELF-DIAGNOSTIC RESULT

Check if any DTC is detected in "Self Diagnostic Result" of "LANE CAMERA".

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to DTC Index.

NO>>

Replace the around view monitor control unit. Refer to Removal and Installation.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
C21F6	54	Camera	Diagnosis condition	Vehicle: READY
			Signal (terminal)	—
			Threshold	If front camera unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Front camera unit

- Around view monitor control unit

FAIL-SAFE

The following systems are canceled.

- Lane keep function[*1]

- Lane keep function[*2]

- Lane change support function

- Overtaking support function

- Route driving support function

- AEB

- RAB

- I-FCW

- I-LI

- I-BSI

- TSR

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