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2017 NISSAN Kicks OEM Service and Repair Workshop Manual

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1. CHECK DTC PRIORITY

If DTC "U1DB4-82" 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 "U1DB4-82" is detected as the current malfunction in "Self Diagnostic Result" of "AROUND VIEW MONITOR".

Is "U1DB4-82" 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

DTC Diagnosis Procedure

1. CHECK DTC PRIORITY

If DTC "U1DB4-82" 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-DIAGNOSIS RESULTS

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	
U1DB4	83	Front camera unit	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 "U1DB4-83" is displayed with Network-DTC, first diagnose the Network-DTC.

<u>Is applicable DTC detected?</u>

YES>>

Perform diagnosis of applicable. Refer to <u>DTC Index</u>.

NO>>

<u>GO TO 2</u>.

2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Perform "All DTC Reading" with CONSULT.

3. Check if the "U1DB4-83" is detected as the current malfunction in "Self Diagnostic Result" of "AROUND VIEW MONITOR".

<u>Is "U1DB4-83" detected as the current malfunction?</u>

YES>>

Refer to <u>DTC Diagnosis Procedure</u>.

NO-1>>

To check malfunction symptom before repair: Refer to <u>Intermittent Incident</u>.

NO-2>>

Confirmation after repair: INSPECTION END

DTC Diagnosis Procedure

1. CHECK DTC PRIORITY

If DTC "U1DB4-83" 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-DIAGNOSIS RESULTS

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	
U1DB4	87	Front camera unit	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 "U1DB4-87" is displayed with Network-DTC, first diagnose the Network-DTC.

<u>Is applicable DTC detected?</u>

YES>>

Perform diagnosis of applicable. Refer to <u>DTC Index</u>.

NO>>

<u>GO TO 2</u>.

2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Perform "All DTC Reading" with CONSULT.

3. Check if the "U1DB4-87" is detected as the current malfunction in "Self Diagnostic Result" of "AROUND VIEW MONITOR".

<u>Is "U1DB4-87" detected as the current malfunction?</u>

YES>>

Refer to <u>DTC Diagnosis Procedure</u>.

NO-1>>

To check malfunction symptom before repair: Refer to <u>Intermittent Incident</u>.

NO-2>>

Confirmation after repair: INSPECTION END

DTC Diagnosis Procedure

1. CHECK DTC PRIORITY

If DTC "U1DB4-87" 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-DIAGNOSIS RESULTS

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	
B2A0A–86	Sonar control unit	Diagnosis condition	When power switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Cannot receive signal from sonar control unit
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- Sonar control unit
- Around view monitor control unit

FAIL-SAFE

Parking sensor error is displayed.