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2022 NISSAN Pathfinder Service and Repair Manual

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NO-1>>

To check malfunction symptom before repair: Refer to Intermittent Incident.

NO-2>>

Confirmation after repair: INSPECTION END

DTC Diagnosis Procedure

SIEMD-7252901

1. CHECK DTC PRIORITY

If DTC “U215B-86” 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 IPDM E/R SELF DIAGNOSTIC RESULT

Check if any DTC is detected in “Self Diagnostic Result” of “IPDM E/R”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunction part. Refer to DTC Index.

NO>>

Replace the side radar rear LH. Refer to Removal and Installation.

SIEMD-7109759

CAN COMMUNICATION

- CAN communication is a multiplex communication system. This enables the system to transmit and receive large quantities of data at high speed by connecting control units with 2 communication lines.
- CAN communication lines adopt twisted-pair line style (two lines twisted) for noise immunity.

  Refer to CAN Communication Signal Chart.

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U215B-87	CAN communication error (IPDM E/R)	Diagnosis condition	When vehicle is READY
		Signal (terminal)	CAN communication signal
		Threshold	If side radar rear LH is not transmitting or receiving CAN communication signal
		Diagnosis delay time	2 seconds or more

NOTE:
If "U215B-87" is detected, first diagnose the CAN communication system.

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function*1
- Lane keep function*2
- Lane change support function
- Overtaking support function
- Route driving support function
- BSW
- I-BSI
- RCTA

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

NOTE:
With the detection of “U215B-87” some systems do not perform the fail-safe operation. A system controlling based on a signal received from the control unit performs fail-safe operation when the communication with the side radar LH becomes inoperable.

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY, and then wait for 2 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U215B-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is “U215B-87” 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. PERFORM THE SELF-DIAGNOSIS

1. Erase all self-diagnosis results of “Side radar (Rear left)” with CONSULT.
2. Perform DTC confirmation procedure again. Refer to DTC DescriptionDTC Description.
3. Check if the “U215B-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is “U215B-87” detected as the current malfunction?

YES >>

Refer to Trouble Diagnosis Flow Chart.

NO>>

INSPECTION END

SIEMD-7252868

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1B26	11	BSW indicator	Diagnosis condition	When power switch is ON.
			Signal (terminal)	—
			Threshold	Circuit short to battery or open circuit in BSW indicator LH is detected
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- BSW indicator circuit
- BSW indicator LH
- Side radar rear LH

FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function*1
- Lane keep function*2
- Lane change support function
- Overtaking support function
- Route driving support function
- BSW
- I-BSI
- RCTA

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CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1B26-11” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is the “U1B26-11” 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

SIEMD-7252869

1. CHECK BSW INDICATOR LH CIRCUIT FOR SHORT TO BATTERY

1. Turn power switch OFF.
2. Remove the side radar rear left and the harness connector on the left door mirror.
3. Check continuity between side radar rear LH harness connector and ground.

Side radar rear LH		Ground	Continuity	
Connector	Terminal			
B253	4		Not existed	

Is the inspection result normal?

YES>>

GO TO 2.

NO>>

Repair the harnesses or connectors.

2. REPLACE THE LEFT GLASS MIRROR

1. Replace the left glass mirror. Refer to Removal & Installation.
2. Erase all self-diagnosis results of “Side radar (Rear left)” with CONSULT.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “U1B26-11” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is the “U1B26-11” detected as the current malfunction?

YES>>

Replace the side radar rear LH. Refer to Removal and Installation.

NO>>

INSPECTION END

SIEMD-7109447

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1B26-15	BSW indicator	Diagnosis condition	When power switch is ON.
		Signal (terminal)	—
		Threshold	Circuit short to battery or open circuit in BSW indicator LH is detected
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

- BSW indicator circuit
- BSW indicator LH
- Side radar rear LH

FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function*1
- Lane keep function*2
- Lane change support function
- Overtaking support function
- Route driving support function
- BSW
- I-BSI
- RCTA

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DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1B26-15” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is the “U1B26-15” detected as the current malfunction?