

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2022 NISSAN Cube Service and Repair Manual

[Go to manual page](#)

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U276B	88	Ethernet circuit	Diagnosis condition	When vehicle is READY
			Signal (terminal)	Ethernet
			Threshold	If front camera unit is not receiving ethernet communication signal from ADAS control unit 2
			Diagnosis delay time	42 seconds or more

POSSIBLE CAUSE

- Ethernet harness
- ADAS control unit 2
- Front camera unit

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode^{*1}
- Steering wheel assistance function^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Vehicle speed & vehicle-to-vehicle control function^{*2}
- Lane keep function^{*2,3}
- Lane keep function^{*2,4}
- Lane change support function^{*2}
- Overtaking support function^{*2}
- Route driving support function^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY and wait at least 42 seconds.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the DTC “U276B-88” is detected as the current malfunction in “Self Diagnostic Result” of “LANE CAMERA”.

Is DTC “U276B-88” 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

Sample

1. CHECK CONSULT DISPLAY OF ADAS CONTROL UNIT 2

1. Perform "All DTC Reading" with CONSULT.
2. Confirm that the "ICC/ADAS 2" item is displayed in "All DTC Reading".

Is any item of "ICC/ADAS 2" displayed?

YES>>

[GO TO 2.](#)

NO>>

Check power supply and ground circuit of ADAS control unit 2. Refer to [Work Procedure](#).

2. CHECK ADAS CONTROL UNIT 2 SELF-DIAGNOSIS RESULTS

Check if any DTC is detected in "Self Diagnostic Result" of "ICC/ADAS 2".

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#) (Without ProPILOT Assist 2.0) or [DTC Index](#) (With ProPILOT Assist 2.0).

NO>>

[GO TO 3.](#)

3. CHECK ETHERNET HARNESS

1. Turn the power switch OFF.
2. Check the ethernet harness connectors and terminals of front camera unit and ADAS control unit 2 for damage or looseness.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace the ethernet harness.

4. REPLACE THE ETHERNET HARNESS

1. Replace the ethernet harness.
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC "U276B-88" detected as the current malfunction?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

5. REPLACE THE ADAS CONTROL UNIT 2

1. Replace the ADAS control unit 2. Refer to [Removal & Installation](#) (Without ProPILOT Assist 2.0) or [Removal and Installation](#) (With ProPILOT Assist 2.0).
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC "U276B-88" detected as the current malfunction?

YES>>

Replace the front camera unit. Refer to [Removal and Installation](#) (Without ProPILOT Assist 2.0) or [Removal and Installation](#) (With ProPILOT Assist 2.0).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2A07-88	Comm Bus Off ITS2-FD	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	If front camera unit is not transmitting or receiving CAN communication signal
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The following functions are suspended.

- Vehicle-to-vehicle distance control mode ^{*1}
- Steering wheel assistance function ^{*1}
- Conventional (fixed speed) cruise control mode ^{*1}
- Vehicle speed & vehicle-to-vehicle control function ^{*2}
- Lane keep function ^{*2,3}
- Lane keep function ^{*2,4}
- Lane change support function ^{*2}
- Overtaking support function ^{*2}
- Route driving support function ^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 2 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U2A07-88” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “U2A07-88” 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

Sample

1. PERFORM SELF DIAGNOSTIC

1. Turn the power switch ON.
2. Erases self-diagnosis results.
3. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is “U2A07-88” detected?

YES >>

Refer to [Trouble Diagnosis Flow Chart](#).

NO >>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	When power switch is ON.
C2523-86	Combination meter	Signal (terminal)	CAN communication signal
		Threshold	Front camera unit detects that combination meter has a malfunction.
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

Combination meter

FAIL-SAFE

The following functions are suspended.

- Vehicle-to-vehicle distance control mode^{*1}
- Steering wheel assistance function^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Vehicle speed & vehicle-to-vehicle control function^{*2}
- Lane keep function^{*2,3}
- Lane keep function^{*2,4}
- Lane change support function^{*2}
- Overtaking support function^{*2}
- Route driving support function^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “C2523-86” 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. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2523-86” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2523-86” 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