

# 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.

## 2017 Nissan NV3500 HD Service and Repair Manual

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## 1. CHECK DTC PRIORITY

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If DTC “U1DAA-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 AIR BAG DIAGNOSIS SENSOR UNIT SELF-DIAGNOSIS RESULTS

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Check if any DTC is detected in “Self Diagnostic Result” of “AIR BAG”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTCIndex](#).

NO>>

Replace the around view monitor control unit. Refer to [Removal and Installation](#).

**DTC DETECTION LOGIC**

DTC		CONSULT screen terms	DTC detection condition	
U1DAA	87	Air bag diagnosis sensor unit	Diagnosis condition	Vehicle: READY
			Signal (terminal)	CAN communication signal
			Threshold	If air bag diagnosis sensor unit is malfunctioning
			Diagnosis delay time	2 seconds or more

**POSSIBLE CAUSE**

Air bag diagnosis sensor unit

**FAIL-SAFE**

None

## 1. CHECK DTC PRIORITY

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If DTC “U1DAA-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. PERFORM DTC CONFIRMATION PROCEDURE

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1. Set the vehicle to READY.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1DAA-87” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is “U1DAA-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. CHECK DTC PRIORITY

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If DTC “U1DAA-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 AIR BAG DIAGNOSIS SENSOR UNIT SELF-DIAGNOSIS RESULTS

---

Check if any DTC is detected in “Self Diagnostic Result” of “AIR BAG”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTCIndex](#).

NO>>

Replace the around view monitor control unit. Refer to [Removal and Installation](#).

## DTC DETECTION LOGIC

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 units, 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, CAN-L) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads the required data only.

CAN communication signal chart. Refer to [CAN Communication Signal Chart](#).

DTC		CONSULT screen terms	DTC detection condition	
U2276	87	CAN communication error(CDM)	Diagnosis condition	Vehicle: READY
			Signal (terminal)	CAN communication signal
			Threshold	If around view monitor control unit is not transmitting or receiving CAN communication signal
			Diagnosis delay time	2 seconds or more



**NOTE:**

If “U2276-87” is detected, first diagnose the CAN communication system.

## POSSIBLE CAUSE

CAN communication system

## 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



**NOTE:**

- **With the detection of “U2276-87” 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 around view monitor control unit becomes inoperable.**

Sample

## 1. PERFORM DTC CONFIRMATION PROCEDURE

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1. Set the vehicle to READY and wait at least 2 seconds.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U2276-87” is detected as the current malfunction in “Self Diagnostic Result” of “AROUND VIEW MONITOR”.

Is “U2276-87” 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

Sample



## 1. PERFORM DIAGNOSIS OF CAN COMMUNICATION CIRCUIT

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

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INSPECTION END

Sample

**DTC DETECTION LOGIC**

DTC No.	CONSULT screen terms	DTC detection condition	
B2A05-44	Around view monitor control unit	Diagnosis condition	When power switch is ON
		Signal (terminal)	—
		Threshold	Internal abnormality
		Diagnosis delay time	2 seconds or more

**POSSIBLE CAUSE**

Around view monitor control unit

**FAIL-SAFE**

- MOD (Moving Object Detection) function is stopped.
- Camera image may not be displayed.