

# 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 Frontier Service and Repair Manual

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## 1. CHECK CONSULT DISPLAY OF HD MAP DATA MODULE

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1. Perform "All DTC Reading" with CONSULT.
2. Check if "HD MAP DATA MODULE" mode is displayed in the "All DTC Reading".

Is "HD MAP DATA MODULE" mode displayed?

YES>>

[GO TO 2](#)

NO>>

Check power supply and ground circuit of HD map data module. Refer to [agnosis Procedure](#).

## 2. CHECK SELF-DIAGNOSIS RESULT OF HD MAP DATA MODULE

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Check if any DTC is detected in "Self Diagnostic Result" of "HD MAP DATA MODULE".

Is any DTC detected?

YES>>

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

NO>>

[GO TO 3](#)

## 3. CHECK ETHERNET CABLE

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1. Turn power switch OFF.
2. Check Ethernet cable connector of around view monitor control unit and HD map data module for disconnection, bent, loose connection.

Is the inspection result normal?

YES>>

[GO TO 4](#)

NO>>

Connect Ethernet cable properly.

## 4. REPLACE ETHERNET CABLE

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1. Replace Ethernet cable.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC "U2775-88" detected as current malfunction?

YES>>

[GO TO 5](#)

NO>>

INSPECTION END

## 5. REPLACE HD MAP DATA MODULE

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1. Replace HD map data module. Refer to [Removal and Installation](#).
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).

Is DTC "U2775-88" detected as current malfunction?

YES>>

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

NO>>

INSPECTION END

Sample

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 No.	CONSULT screen terms	DTC detection condition	
U2A04-88	Communication Bus Off ITS1-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

- Camera image is not displayed.
- MOD function does not operate.

## CONFIRMATION PROCEDURE

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### 1. PERFORM DTC CONFIRMATION PROCEDURE

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 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 U2A04-88 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

Sample

## 1. CHECK CAN DIAGNOSIS

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Perform the trouble diagnosis for CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

>>

INSPECTION END

Sample

## DESCRIPTION

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 No.	CONSULT screen terms	DTC detection condition	
		Diagnosis condition	
U2A05-88	Communication Bus Off ITS4-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

- Camera image is not displayed.
- MOD function does not operate.

## 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 U2A05-88 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

Sample



## 1. CHECK CAN DIAGNOSIS

---

Perform the trouble diagnosis for CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

>>

INSPECTION END

Sample

## DESCRIPTION

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 No.	CONSULT screen terms	DTC detection condition	
		U2A08-88	Communication Bus Off ITS3-FD
		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

- Camera image is not displayed.
- MOD function does not operate.