

# 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.

## 2019 NISSAN Cube Service and Repair Manual

[Go to manual page](#)

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F59	83	EPS control unit (Electric power steering control unit)	Diagnosis condition	<ul style="list-style-type: none"> <li>When vehicle is READY</li> <li>When MAIN switch of ProPILOT Assist 2.0 system is ON</li> </ul>
			Signal (terminal)	CAN communication signal
			Threshold	ADAS control unit 2 received invalid data from EPS control unit via CAN communication
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

- EPS control unit
- ADAS control unit 2

## 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
- 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

## CONFIRMATION PROCEDURE

## 1. CHECK DTC PRIORITY

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If DTC “C1F59-83” 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. PERFORM DTC CONFIRMATION PROCEDURE

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1. Set the vehicle to READY.
2. Turn the MAIN switch of ProPILOT Assist 2.0 system ON.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C1F59-83” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F59-83” 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 “C1F59-83” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Index](#)(Without ProPILOT Assist 2.0) or [DTC Index](#)(With ProPILOT Assist 2.0).

NO>>

[GO TO 2](#) .

## 2. PERFORM SELF-DIAGNOSIS OF EPS CONTROL UNIT

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Check if any DTC is detected in “Self Diagnostic Result” of “EPS/DAST 3”.

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 ADAS control unit 2. Refer to [Removal and Installation](#)(Without ProPILOT Assist 2.0) or [Removal and Installation](#)(With ProPILOT Assist 2.0).

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F59	83	EPS control unit (Electric power steering control unit)	Diagnosis condition	<ul style="list-style-type: none"> <li>When vehicle is READY</li> <li>When MAIN switch of ProPILOT Assist system is ON</li> </ul>
			Signal (terminal)	CAN communication signal
			Threshold	ADAS control unit 2 received invalid data from EPS control unit via CAN communication
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

- EPS control unit
- ADAS control unit 2

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode
- Steering assistance function

## CONFIRMATION PROCEDURE

### 1. CHECK DTC PRIORITY

If DTC “C1F59-83” 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. PERFORM DTC CONFIRMATION PROCEDURE

- Set the vehicle to READY.
- Turn the MAIN switch of ProPILOT Assist system ON.
- Perform “All DTC Reading” with CONSULT.
- Check if the “C1F59-83” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is "C1F59-83" 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

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F00	1C	CONTROL UNIT (Control unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	ADAS control unit 2 internal malfunction
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

ADAS control unit 2

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode
- Conventional (fixed speed) cruise control mode
- Steering wheel assistance function
- AEB
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

## Confirmation Procedure

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C1F00-1C” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F00-1C” 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 >>

Sample



## 1. CHECK SELF-DIAGNOSIS RESULTS

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Check if any DTC other than “C1F00-1C”, “C1F00-44”, “C1F00-45”, “C1F00-46”, “C1F00-49”, “C1F00-71” and “C1F00-87” 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](#).

NO >>

Replace the ADAS control unit 2. Refer to [Removal and Installation](#).

Sample

**DTC DETECTION LOGIC**

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F00	44	CONTROL UNIT (Control unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	ADAS control unit 2 internal malfunction
			Diagnosis delay time	1 second or less

**POSSIBLE CAUSE**

ADAS control unit 2

**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
- AEB
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

\*1: ProPILOT Assist 2.0 display is green

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**CONFIRMATION PROCEDURE**

**1. PERFORM DTC CONFIRMATION PROCEDURE**

1. Set the vehicle to READY.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C1F00-44” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F00-44” detected as the current malfunction?