

# 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.

## 2021 NISSAN Quest Service and Repair Manual

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# CONFIRMATION PROCEDURE

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## 1. CHECK IF FOREIGN MATTER OR DIRT ADHERES TO DISTANCE SENSOR

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1. Remove foreign matter or dirt from distance sensor.
2. Perform auto correct function or distance sensor adjustment.
  - When performing auto correct function, satisfy the following all conditions and drive.
    - Vehicle speed: approximately 5km/h or more
    - An object reflecting radar is in front of the vehicle
    - Driving straight ahead at constant speed

**CAUTION:**  
Always drive safely.

- When performing distance sensor adjustment, Refer to [Work Procedure](#).



**NOTE:**

- Although "C2581-92" is detected as the current malfunction, if foreign matter or dirt is removed and axis misalignment is corrected, the warning lamp turns off and system malfunction message in combination meter display disappears.
- Axis misalignment can be corrected by auto correct function or distance sensor adjustment.
- Distance sensor is employed with auto correct function to correct axis misalignment during driving process.
- The length of time to complete the correction by auto correct function is largely fluctuated depends on satisfaction of conditions.

3. Stop the vehicle if the purpose of driving is to perform auto correct function.
4. Check Horizontal Alignment value and Vertical Alignment value with "LASER/RADAR" in "DATA MONITOR".

Check that both Horizontal Alignment value and Vertical Alignment value are  $0 \pm 6.00$  deg.

YES>>

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NO>>

Repeat step 2 until both Horizontal Alignment value and Vertical Alignment value are  $0 \pm 6.00$  deg.

## 2. PERFORM DTC CONFIRMATION PROCEDURE

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1. Set the vehicle to READY.
2. Erase all self-diagnosis results with CONSULT.
3. Turn the AEB system ON, and then wait for 30 seconds or more.
4. Perform "All DTC Reading" with CONSULT.
5. Check if the "C2581-92" is detected as the current malfunction in "Self Diagnostic Result" of "LASER/RADAR".

Is "C2581-92" 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. VISUAL INSPECTION

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Check distance sensor and distance sensor bracket for damage.

Is it damaged?

YES >>

Repair or replace affected components. Refer to [Removal and Installation](#).

NO >>

[GO TO 2.](#)

## 2. CHECK DISTANCE SENSOR SELF-DIAGNOSIS RESULTS

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Check if the “C2581-92” is detected in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2581-92” detected?

YES >>

Replace the distance sensor. Refer to [Removal and Installation](#).

NO >>

INSPECTION END

## 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.

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2585	87	CAN comm err (Controller area network communication error)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	CAN communication signal
			Threshold	If distance sensor is not transmitting or receiving CAN communication signal
			Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

CAN communication system

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode<sup>\*1</sup>
- Conventional (fixed speed) cruise control mode<sup>\*1</sup>
- Steering wheel assistance function<sup>\*1</sup>
- Vehicle speed & vehicle-to-vehicle control function<sup>\*2</sup>
- Lane keep function<sup>\*2,3</sup>
- Lane keep function<sup>\*2,4</sup>
- Lane change support function<sup>\*2</sup>
- Overtaking support function<sup>\*2</sup>
- Route driving support function<sup>\*2</sup>
- AEB
- RAB
- I-FCW

\*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

\*2: With ProPILOT Assist 2.0

\*3: ProPILOT Assist 2.0 display is green

## CONFIRMATION PROCEDURE

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### 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 “C2585-87” is detected as the current malfunction in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2585-87” 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 THE SELF-DIAGNOSIS

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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 “C2585-87” is detected as the current malfunction in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2585-87” detected as the current malfunction?

YES >>

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

NO >>

INSPECTION END

Sample

## DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2595	81	EPS control unit (Electronically controlled power steering control unit)	Diagnosis condition	<ul style="list-style-type: none"> <li>When vehicle is READY</li> <li>When AEB system is ON</li> </ul>
			Signal (terminal)	CAN communication signal
			Threshold	If the power steering control module is malfunction
			Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE

Power steering control module

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode<sup>\*1</sup>
- Conventional (fixed speed) cruise control mode<sup>\*1</sup>
- Steering wheel assistance function<sup>\*1</sup>
- Vehicle speed & vehicle-to-vehicle control function<sup>\*2</sup>
- Lane keep function<sup>\*2,3</sup>
- Lane keep function<sup>\*2,4</sup>
- Lane change support function<sup>\*2</sup>
- Overtaking support function<sup>\*2</sup>
- Route driving support function<sup>\*2</sup>
- AEB
- RAB
- I-FCW

\*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

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If DTC “C2595-81” 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 AEB system ON, and then wait for 2 seconds or more.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C2595-81” is detected as the current malfunction in self-diagnosis results of “LASER/RADAR”.

Is “C2595-81” 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

---

If DTC “C2595-81” 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 POWER STEERING CONTROL MODULE SELF-DIAGNOSIS RESULTS

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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 distance sensor. Refer to [Removal and Installation](#).