

# 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 Versa Service and Repair Manual

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## DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		C2530-87	VCM/HPCM
Signal (terminal)	CAN communication signal		
Threshold	Front camera unit detects that VCM has a malfunction.		
Diagnosis delay time	5 seconds or more		

## POSSIBLE CAUSE

VCM

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode<sup>\*1</sup>
- Steering wheel assistance function<sup>\*1</sup>
- Conventional (fixed speed) cruise control mode<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
- 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

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If DTC “C2530-87” 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. Turn the power switch ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2530-87” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2530-87” 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 “C2530-87” 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 VCM SELF DIAGNOSTIC RESULT

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Check if any DTC is detected in “Self Diagnostic Result” of “EV/HEV”.

Is any DTC detected?

YES>>

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

NO>>

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

## DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	When power switch is ON.
C2500-49	Camera unit malf (Camera unit malfunction)	Signal (terminal)	-
		Threshold	<ul style="list-style-type: none"> <li>Configuration of the front camera unit is not completed.</li> <li>If front camera unit is malfunctioning</li> </ul>
		Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

- Configuration of the front camera unit is not completed.
- Front camera unit

## FAIL-SAFE

The following functions are suspended.

- Vehicle-to-vehicle distance control mode<sup>\*1</sup>
- Steering wheel assistance function<sup>\*1</sup>
- Conventional (fixed speed) cruise control mode<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>
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# CONFIRMATION PROCEDURE

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## 1. PERFORM DTC CONFIRMATION PROCEDURE

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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 “C2500-49” is detected as the current malfunction in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2500-49” 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 SELF-DIAGNOSIS RESULTS

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Check if any DTC other than “C2500-49”, “C2504-71”, “C2505-92”, “C2506-49”, “C2544-82”, “C2544-83”, “C2544-86”, “C2544-87”, “C2545-82”, “C2545-83”, “C2545-86”, “C2545-87”, “C2572-71”, “C2572-97”, “C2573-97”, and “C2575-92” is detected in “Self Diagnostic Result” of “LANE CAMERA”.

Is any DTC detected?

YES>>

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

NO>>

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

Sample

## DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2501-4B	Front camera unit (Front camera 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)	—
		Threshold	Temperature around front camera unit is excessively high
		Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

Interior room temperature is excessively high

## FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode<sup>\*1</sup>
- Steering wheel assistance function<sup>\*1</sup>
- Conventional (fixed speed) cruise control mode<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>
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# CONFIRMATION PROCEDURE

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## 1. PERFORM DTC CONFIRMATION PROCEDURE

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1. Turn the power switch OFF.
2. Wait for 10 minutes or more.
3. Set the vehicle to READY.
4. Turn the AEB system ON, and then wait for 5 seconds or more.
5. Perform “All DTC Reading” with CONSULT.
6. Check if the “C2501-4B” is detected as the current malfunction in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2501-4B” 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 ENGINE COOLING SYSTEM

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Check for any malfunctions in engine cooling system.

Is engine cooling system normal?

YES >>

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

NO >>

Repair engine cooling system.

Sample