

# 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/Note Service and Repair Manual

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## DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		C2530-82	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 “C2530-82” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Index](#).

NO>>

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## 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 “C2530-82” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2530-82” 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 “C2530-82” 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	
		C2530-83	VCM/HPCM (Vehicle control module/Hybrid power train control module)
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

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\*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

---

If DTC “C2530-83” 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

---

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 “C2530-82” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2530-83” 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

---

If DTC “C2530-83” 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 VCM SELF DIAGNOSTIC RESULT

---

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	
		C2530-86	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
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\*3: ProPILOT Assist 2.0 display is green

\*4: ProPILOT Assist 2.0 display is blue

## CONFIRMATION PROCEDURE



## 1. CHECK DTC PRIORITY

---

If DTC “C2530-86” 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

---

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 “C2530-86” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2530-86” 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 “C2530-86” 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

---

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).