

# 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.

## 2022 NISSAN Maxima Service and Repair Manual

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## 1. CHECK SELF-DIAGNOSIS RESULTS

Check if any DTC other than “C2577-11” 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>>

[GO TO 2.](#)

## 2. CHECK HARNESS BETWEEN FRONT CAMERA UNIT AND HEATER

1. Turn the power switch OFF.
2. Disconnect the front camera unit connector.
3. Disconnect the heater connector.
4. Check for continuity between the front camera unit harness connector and heater harness connector.

Front camera unit		Heater		Continuity
Connector	Terminal	Connector	Terminal	
R24 *1	4 *1	R34	4	Existed
R202 *2	11 *2			

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

\*2: With ProPILOT Assist 2.0

5. Check for continuity between front camera unit harness connector and ground.

Front camera unit		Ground	Continuity
Connector	Terminal		
R24 *1	4 *1		Not Existed
R202 *2	11 *2		Not Existed

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

\*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace the windshield glass.

## 3. CHECK THE FRONT CAMERA UNIT HEATER

Check the front camera unit heater. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace the windshield glass.

#### **4. PERFORM CONFIGURATION OF FRONT CAMERA UNIT**

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1. Turn the power switch ON.
2. Erases self-diagnosis results.
3. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC “C2577-11” detected?

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>>

INSPECTION END

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2577	13	Heater	Diagnosis condition	When power switch is ON
			Signal (terminal)	Heater power supply (terminal #4)
			Threshold	The heater power supply current remains 0.33A or less
			Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

- Connector, harness, fuse
- Front camera unit
- Windshield glass

## FAIL-SAFE

## CONFIRMATION PROCEDURE

### 1. 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 “C2577-13” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2577-13” 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 SELF-DIAGNOSIS RESULTS

Check if any DTC other than “C2577-13” 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>>

[GO TO 2.](#)

## 2. CHECK HARNESS BETWEEN FRONT CAMERA UNIT AND HEATER

1. Turn the power switch OFF.
2. Disconnect the front camera unit connector.
3. Disconnect the heater connector.
4. Check for continuity between the front camera unit harness connector and heater harness connector.

Front camera unit		Heater		Continuity
Connector	Terminal	Connector	Terminal	
R24*1	4*1	R34	4	Existed
R202*2	11*2			

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

\*2: With ProPILOT Assist 2.0

5. Check for continuity between front camera unit harness connector and ground.

Front camera unit		Ground	Continuity
Connector	Terminal		
R24*1	4*1		Not Existed
R202*2	11*2		

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

\*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace the windshield glass.

## 3. CHECK THE FRONT CAMERA UNIT HEATER

Check the front camera unit heater. Refer to [Component Inspection](#) .

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace the windshield glass.

#### **4. PERFORM CONFIGURATION OF FRONT CAMERA UNIT**

---

1. Turn the power switch ON.
2. Erases self-diagnosis results.
3. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC “C2577-13” detected?

YES>>

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

NO>>

INSPECTION END

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2577	19	Heater	Diagnosis condition	When power switch is ON
			Signal (terminal)	Heater power supply (terminal #4)
			Threshold	The heater power supply current remains more than 2A
			Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

- Connector, harness, fuse
- Front camera unit
- Windshield glass

## FAIL-SAFE

## CONFIRMATION PROCEDURE

### 1. 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 “C2577-19” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2577-19” 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 SELF-DIAGNOSIS RESULTS

Check if any DTC other than “C2577-19” 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>>

[GO TO 2.](#)

## 2. CHECK HARNESS BETWEEN FRONT CAMERA UNIT AND HEATER

1. Turn the power switch OFF.
2. Disconnect the front camera unit connector.
3. Disconnect the heater connector.
4. Check for continuity between the front camera unit harness connector and heater harness connector.

Front camera unit		Heater		Continuity
Connector	Terminal	Connector	Terminal	
R24*1	4*1	R34	4	Existed
R202*2	11*2			

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

\*2: With ProPILOT Assist 2.0

5. Check for continuity between front camera unit harness connector and ground.

Front camera unit		Ground	Continuity
Connector	Terminal		
R24*1	4*1		Not Existed
R202*2	11*2		

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

\*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace the windshield glass.

## 3. CHECK THE FRONT CAMERA UNIT HEATER

Check the front camera unit heater. Refer to [Component Inspection](#).



Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace the windshield glass.

#### **4. PERFORM CONFIGURATION OF FRONT CAMERA UNIT**

---

1. Turn the power switch ON.
2. Erases self-diagnosis results.
3. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC “C2577-19” detected?

YES>>

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

NO>>

INSPECTION END

## DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	
C2529-86	Air bag diagnosis sensor unit	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	Front camera unit detects that air bag diagnosis sensor unit has a malfunction.
		Diagnosis delay time	5 seconds or more

## POSSIBLE CAUSE

Air bag diagnosis sensor 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>
- 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