

# 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.

## 2023 NISSAN GT-R Service and Repair Manual

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## 1. PERFORM SIDE RADAR ALIGNMENT

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1. Adjust the side radar alignment. Refer to [Work Procedure](#).
2. Erase all self-diagnosis results of “Side radar (Front left)” with CONSULT.
3. Perform “All DTC Reading”.
4. Check if the “C1E54-97” is detected in “Self Diagnostic Result” of “Side radar (Front left)”.

Is “C1E54-97” detected?

YES>>

[GO TO 2](#) .

NO>>

INSPECTION END

## 2. CHECK THE SURROUNDING CONDITIONS

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Check if there is anything that emits radio waves near the vehicle.

Is there anything near the vehicle that emits radio waves?

YES>>

Move the vehicle away from devices that emit radio waves and check the DTC confirmation procedure again. Refer to [DTC Description](#).

NO>>

Replace the side radar front LH. Refer to [Removal and Installation](#).

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2148	81	CAN communication error (brake control unit)	Diagnosis condition	When power switch is ON.
			Signal (terminal)	CAN communication signal
			Threshold	Side radar front LH detects that ABS actuator and electric unit (control unit) has a malfunction
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

ABS actuator and electric unit (control unit)

## FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function\*<sup>1</sup>
- Lane keep function\*<sup>2</sup>
- Lane change support function
- Overtaking support function
- Route driving support function

\*1: ProPILOT Assist 2.0 display is green

\*2: ProPILOT Assist 2.0 display is blue

## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U2148-81” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Front left)”.

Is “U2148-81” 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

Sample

## 1. CHECK DTC PRIORITY

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If DTC “U2148-81” 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 ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SELF DIAGNOSTIC RESULT

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Check if any DTC is detected in “Self Diagnostic Result” of “ABS”.

Is any DTC detected?

YES>>

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

NO>>

Replace the side radar front LH. Refer to [Removal and Installation](#).

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2148	82	CAN communication error (brake control unit)	Diagnosis condition	When power switch is ON.
			Signal (terminal)	CAN communication signal
			Threshold	Side radar front LH detects that ABS actuator and electric unit (control unit) has a malfunction
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

ABS actuator and electric unit (control unit)

## FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function\*<sup>1</sup>
- Lane keep function\*<sup>2</sup>
- Lane change support function
- Overtaking support function
- Route driving support function

\*1:ProPILOT Assist 2.0 display is green

\*2:ProPILOT Assist 2.0 display control blue

## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U2148-82” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Front left)”.

Is the “U2148-82” 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

Sample

## 1. CHECK DTC PRIORITY

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If DTC “U2148-82” 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 ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SELF DIAGNOSTIC RESULT

---

Check if any DTC is detected in “Self Diagnostic Result” of “ABS”.

Is any DTC detected?

YES>>

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

NO>>

Replace the side radar front LH. Refer to [Removal and Installation](#).



## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2148	83	CAN communication error (brake control unit)	Diagnosis condition	When power switch is ON.
			Signal (terminal)	CAN communication signal
			Threshold	Side radar front LH detects that ABS actuator and electric unit (control unit) has a malfunction
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

ABS actuator and electric unit (control unit)

## FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function\*<sup>1</sup>
- Lane keep function\*<sup>2</sup>
- Lane change support function
- Overtaking support function
- Route driving support function

\*1:ProPILOT Assist 2.0 display is green

\*2:ProPILOT Assist 2.0 display control blue

## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U2148-83” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Front left)”.

Is “U2148-83” 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