

# 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 Qashqai Service and Repair Manual

[Go to manual page](#)

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 “U2154-81” 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 AV CONTROL UNIT SELF DIAGNOSTIC RESULT

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

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 rear LH. Refer to [Removal and Installation](#).

## 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.

Refer to [CAN Communication Signal Chart](#).

## DTC DETECTION LOGIC

| DTC No.  | CONSULT screen terms<br>(Trouble diagnosis content) | DTC detection condition |   |
|----------|---|-------------------------|---|
|          |   | Diagnosis condition     |   |
| U2154-87 | CAN communication error (MIU)                       | Diagnosis condition     | When vehicle is READY   |
|          |   | Signal (terminal)       | CAN communication signal  |
|          |   | Threshold               | If side radar rear LH is not transmitting or receiving CAN communication signal |
|          |   | Diagnosis delay time    | 2 seconds or more   |



### NOTE:

If “U2154-87” is detected, first diagnose the CAN communication system.

## POSSIBLE CAUSE

CAN communication system

## 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
- BSW
- I-BSI
- RCTA

\*1: ProPILOT Assist 2.0 display is green

\*2: ProPILOT Assist 2.0 display is blue



**NOTE:**

With the detection of “U2154-87” some systems do not perform the fail-safe operation. A system controlling based on a signal received from the control unit performs fail-safe operation when the communication with the side radar LH becomes inoperable.

## CONFIRMATION PROCEDURE

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### 1. PERFORM DTC CONFIRMATION PROCEDURE

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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 “U2154-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is “U2154-87” 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. PERFORM THE SELF-DIAGNOSIS

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1. Erase all self-diagnosis results of “Side radar (Rear left)” with CONSULT.
2. Perform DTC confirmation procedure again. Refer to [DTC Description](#).
3. Check if the “U2154-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is “U2154-87” detected as the current malfunction?

YES >>

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

NO>>

INSPECTION END

Sample

## DTC DETECTION LOGIC

| DTC No.  | CONSULT screen terms<br>(Trouble diagnosis content) | DTC detection condition |                          |
|----------|---|-------------------------|--------------------------|
|          |   | Diagnosis condition     | When power switch is ON. |
| C1E11-97 | Side radar stain                                    | Signal (terminal)       | –                        |
|          |   | Threshold               | Side radar is blocked    |
|          |   | Diagnosis delay time    | 1 second or less         |
|          |   |                         |                          |

## POSSIBLE CAUSE

- Stain or foreign materials is deposited.
- Cracks or scratches exist

## 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
- BSW
- I-BSI
- RCTA

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## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. When power switch is ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C1E11-97” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear left)”.

Is the DTC “C1E11-97” detected?

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 CHECK 1

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Check the contamination and foreign matter on the side radar rear LH area of the front bumper.

Does contamination or foreign materials adhere?

YES>>

Wipe out the contamination and foreign matter on the side radar rear LH area of the front bumper.

NO>>

[GO TO 2.](#)

## 2. VISUAL CHECK 2

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1. Remove the side radar rear LH. Refer to [Removal and Installation](#).
2. Check side radar rear LH for contamination and foreign matter.

Does contamination or foreign matter adhere?

YES>>

Wipe out the contamination and foreign matter from the side radar rear LH.

NO>>

[GO TO 3.](#)

## 3. VISUAL CHECK 3

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Check side radar rear LH for cracks and scratches.

Is it damaged?

YES>>

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

NO>>

[GO TO 4.](#)

## 4. INTERVIEW

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1. Ask if there is any trace of contamination or foreign materials adhering to the side radar rear LH area of the front bumper.
2. Ask if side radar rear LH area of the front bumper was frosted during driving or if vehicle was driven in snow.
3. Ask if side radar rear LH area of the front bumper was temporarily fogged. (Windshield glass may also tend to fog, etc.)

Is any of above conditions seen?

YES >>

Explain to the customer about the difference between the contamination detection function and the indication when the malfunction is detected and tell them "This is not malfunction".

NO >>

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

## 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.

Refer to [CAN Communication Signal Chart](#).

## DTC DETECTION LOGIC

| DTC No.  | CONSULT screen terms<br>(Trouble diagnosis content) | DTC detection condition |   |
|----------|---|-------------------------|---|
|          |   | Diagnosis condition     | When vehicle is READY   |
| U1B2E-87 | CAN communication error                             | Signal (terminal)       | CAN communication signal  |
|          |   | Threshold               | If side radar rear LH is not transmitting or receiving CAN communication signal |
|          |   | Diagnosis delay time    | 2 seconds or more   |
|          |   |                         |   |



### NOTE:

If “U1B2E-87” is detected, first diagnose the CAN communication system.

## POSSIBLE CAUSE

CAN communication system

## 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
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