

# 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 Tiida/Versa Sedan Service and Repair Manual

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**NOTE:**

With the detection of “U215B-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 RH 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 “U215B-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is “U215B-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 right)” with CONSULT.
2. Perform DTC confirmation procedure again. Refer to Confirmation Procedure.
3. Check if the “U215B-87” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is “U215B-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 (Trouble diagnosis content) | DTC detection condition |  |
|---------|----|--|-------------------------|--|
| U1B46   | 11 | BSW indicator                                    | Diagnosis condition     | When power switch is ON.   |
|         |    |  | Signal (terminal)       | —  |
|         |    |  | Threshold               | Circuit short to battery or open circuit in BSW indicator RH is detected |
|         |    |  | Diagnosis delay time    | 1 second or less   |

## POSSIBLE CAUSE

- BSW indicator RH circuit
- BSW indicator RH
- Side radar rear RH

## 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

## CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1B46-11” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is the “U1B46-11” 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 BSW INDICATOR RH CIRCUIT FOR SHORT TO BATTERY

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1. Turn power switch OFF.
2. Remove the side radar rear right and the harness connector on the right door mirror.
3. Check continuity between side radar rear RH harness connector and ground.

| Side radar rear RH |          | Ground | Continuity  |
|--------------------|----------|--------|-------------|
| Connector          | Terminal |        |             |
| B254               | 4        |        | Not existed |

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the harnesses or connectors.

## 2. REPLACE THE RIGHT GLASS MIRROR

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1. Replace the right glass mirror. Refer to [Removal & Installation](#).
2. Erase all self-diagnosis results of “Side radar (Rear right)” with CONSULT.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “U1B46-11” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is the “U1B46-11” detected as the current malfunction?

YES>>

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

NO>>

INSPECTION END

## DTC DETECTION LOGIC

| DTC No.              | CONSULT screen terms<br>(Trouble diagnosis content)                              | DTC detection condition |               |
|----------------------|--|-------------------------|---------------|
|                      |  | U1B46-15                | BSW indicator |
| Signal (terminal)    | —  |                         |               |
| Threshold            | Circuit short to battery or open circuit in BSW indicator RH circuit is detected |                         |               |
| Diagnosis delay time | 1 second or less   |                         |               |

## POSSIBLE CAUSE

- BSW indicator circuit
- BSW indicator RH
- Side radar RH

## 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

## DTC CONFIRMATION PROCEDURE

### 1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1B46-15” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is the "U1B46-15" 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 BSW INDICATOR RH CIRCUIT FOR SHORT TO BATTERY

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1. Turn power switch OFF.
2. Disconnect side radar RH harness connector and door mirror RH harness connector.
3. Check continuity between side radar RH harness connector and ground.

| Side radar rear RH |          | Ground | Continuity  |
|--------------------|----------|--------|-------------|
| Connector          | Terminal |        |             |
| B254               | 4        |        | Not existed |

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the harnesses or connectors.

## 2. REPLACE DOOR GLASS MIRROR RH

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1. Replace door glass mirror RH. Refer to [Removal and Installation](#).
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “U1B46-15” is detected as the current malfunction in “Self Diagnostic Result” of “Side radar (Rear right)”.

Is the “U1B46-15” detected as the current malfunction?

YES>>

Replace side radar RH. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

## DTC DETECTION LOGIC

| DTC No. |    | CONSULT screen terms (Trouble diagnosis content) | DTC detection condition |  |
|---------|----|--|-------------------------|--|
| U216C   | 81 | CAN communication error (side radar)             | Diagnosis condition     | When power switch is ON.   |
|         |    |  | Signal (terminal)       | CAN communication signal   |
|         |    |  | Threshold               | Side radar rear RH detects that side radar rear LH has a malfunction |
|         |    |  | Diagnosis delay time    | 1 second or less   |

## POSSIBLE CAUSE

side radar rear LH

## 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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\*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 "U216C-81" is detected as the current malfunction in "Self Diagnostic Result" of "Side radar (Rear right)".

Is the "U216C-81" detected as the current malfunction?

YES>>

Refer to [DTC Diagnosis Procedure](#).