

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.

2018 Nissan Versa Service and Repair Manual

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1. CHECK DTC PRIORITY

If DTC “C1F94-54” 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. CHECK SIDE RADAR REAR LH AND SIDE RADAR REAR RIGHT SELF-DIAGNOSIS RESULTS

Check if any DTC is detected in “Self Diagnostic Result” of “Side radar (Rear left)” or “Side radar (Rear right)”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts.

- Side radar rear LH: Refer to [DTC Index](#).
- Side radar rear RH: Refer to [DTC Index](#).

NO>>

Replace the ADAS control unit 2. Refer to [Removal and Installation](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U2140	57	CAN comm err (ECM) [Controller area network communication error (Engine control module)]	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC communication error
			Diagnosis delay time	—

POSSIBLE CAUSE

- MAC communication error
- ADAS control unit 2 used in other vehicles is installed in the vehicle
- ADAS control unit 2
- VCM

FAIL-SAFE

The following systems are canceled.

- Vehicle speed & vehicle-to-vehicle control function
- Lane keep function*¹
- Lane keep function*²
- Lane change support function
- Overtaking support function
- Route driving support function
- AEB
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “U2140-57” is displayed with DTC “U1327-52” or DTC “U1327-54”, first perform the trouble diagnosis for DTC “U1327-52” or “U1327-54”.

Is “U1327-52” or DTC “U1327-54” detected?

YES>>

Perform diagnosis of applicable. Refer to the following.

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PERFORM MAC DIAGNOSIS

 With CONSULT

1. Power switch ON.
2. Perform “MAC Diagnosis” mode of “ICC/ADAS 2” using CONSULT.

Is “U2140-57” 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 “U2140-57” is displayed with DTC “U1327-52” or DTC“U1327-54”, first perform the trouble diagnosis for DTC “U1327-52” or DTC“U1327-54”.

Is “U1327-52” or DTC“U1327-54” detected?

YES>>

Perform diagnosis of applicable. Refer to the following.

- U1327-52: Refer to [DTC Description](#).
- U1327-54: Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PERFORM MAC DIAGNOSIS

 With CONSULT

Perform “MAC Diagnosis” mode of “ICC/ADAS 2” using CONSULT.

Is DTC “U2140-57” detected with DTC “U2143-57”, “U214F-57”, “U2175-57”, “U2176-57”, “U2443-57”, “U244F-57”, “U2465-57”, “U2475-57” and “U2476-57” at the same time?

YES (all DTC codes are detected at the same time)>>

Replace the ADAS control unit 2. Refer to [Removal and Installation](#).

NO (all DTC codes are not detected at the same time)>>

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3. CHECK CAN DIAGNOSIS

 With CONSULT

Perform "CAN Diag".

Is the inspection result normal?

YES>>

Contact Techline and report the vehicle condition.

NO>>

Repair or replace root cause.

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1327	52	MAC key update (Message Authentication Code key update)	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC key writing is incomplete
			Diagnosis delay time	—

POSSIBLE CAUSE

- Network communication error between CONSULT and ADAS control unit 2
- ADAS control unit 2 used in other vehicles is installed in the vehicle
- ADAS control unit 2

FAIL-SAFE

None

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “U1327-52” is displayed with DTC “U1327-54”, first perform the trouble diagnosis for DTC “U1327-54”.

Is applicable DTC detected?

YES>>

Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON.
2. Perform “MAC key writing”. Refer to [Work Procedure](#).
3. Perform “MAC Diagnosis” of “ICC/ADAS 2” using CONSULT.

Is DTC “U1327-52” 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

If DTC “U1327-52” is displayed with DTC “U1327-54”, first perform the trouble diagnosis for DTC “U1327-54”.

Is applicable DTC detected?

YES>>

Refer to [DTC Description](#).

NO>>

[GO TO 2](#).

2. PERFORM MAC KEY WRITING

 With CONSULT

1. Perform “MAC key writing”. Refer to [Work Procedure](#).
2. Perform “MAC Diagnosis” of “ICC/ADAS 2” using CONSULT.

Is DTC “U1327-52” detected as the current malfunction?

YES>>

Replace the ADAS control unit 2. 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		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1327	52	MAC key update (Message Authentication Code key update)	Diagnosis condition	—
			Signal (terminal)	—
			Threshold	MAC key writing is incomplete
			Diagnosis delay time	—

POSSIBLE CAUSE

- Network communication error between CONSULT and ADAS control unit 2
- ADAS control unit 2 used in other vehicles is installed in the vehicle
- ADAS control unit 2

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode
- Conventional (fixed speed) cruise control mode
- Steering wheel assistance function
- AEB
- RAB
- I-FCW
- I-LI
- I-BSI
- TSR
- I-DA

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “U1327-52” is displayed with DTC “U1327-54”, first perform the trouble diagnosis for DTC “U1327-54”.

Is applicable DTC detected?

YES>>

Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE

Ⓜ With CONSULT

1. Power switch ON.
2. Perform “MAC key writing”. Refer to [Work Procedure](#).
3. Perform “MAC Diagnosis” of “ICC/ADAS 2” using CONSULT.

Is DTC “U1327-52” 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