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2017 NISSAN Versa/Note OEM Service and Repair Workshop Manual

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1. DTC CONFIRMATION PROCEDURE

1. Turn power switch ON and wait 2 seconds or more.

2. Perform "All DTC Reading" with CONSULT.

3. Check if "U1C98-82" is detected as current malfunction in self-diagnosis result of "HD MAP".

Is DTC "U1C98-82" detected as 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 RESULT OF ADAS CONTROL UNIT 2

Check if DTC is detected in self-diagnosis result of "ICC/ADAS 2".

<u>Is DTC detected?</u>

YES>>

Perform trouble diagnosis for detected DTC and repair or replace malfunctioning part. Refer to <u>DTC Index</u>.

NO>>

Replace ADAS control unit 2. Refer to <u>Removal and Installation</u>.

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U1C98	87	Ethernet communication error	Diagnosis condition	When power switch is ON
			Signal (terminal)	Ethernet communication signal
			Threshold	Detects Ethernet communication circuit blackout
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

ADAS control unit 2 is abnormal

FAIL-SAFE

The following systems are canceled.

- Lane keeping function[*]

- Lane change support function

- Overtaking support function

- Route driving support function

*: ProPILOT Assist 2.0 display is blue

1. DTC CONFIRMATION PROCEDURE

1. Turn power switch ON and wait 2 seconds or more.

2. Perform "All DTC Reading" with CONSULT.

3. Check if "U1C98-87" is detected as current malfunction in self-diagnosis result of "HD MAP".

Is DTC "U1C98-87" detected as 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 CONSULT DISPLAY OF ADAS CONTROL UNIT 2

1. Perform "All DTC Reading" with CONSULT.

2. Check if "ICC/ADAS 2" mode is displayed in the "All DTC Reading".

Is "ICC/ADAS 2"mode displayed?

YES>>

GO TO 2.

NO>>

Check power supply and ground circuit of ADAS control unit 2. Refer to Work Procedure.

2. CHECK SELF-DIAGNOSIS RESULT OF ADAS CONTROL UNIT 2

1. Turn power switch ON.

2. Check if DTC is detected in self-diagnosis result of "ICC/ADAS 2".

Is DTC detected?

YES>>

Perform trouble diagnosis for detected DTC and repair or replace malfunctioning part. Refer to DTC Index.

NO>>

GO TO 3.

3. CHECK ETHERNET CABLE

1. Turn power switch OFF.

2. Check Ethernet cable connector of ADAS control unit 2 and HD map module for disconnection, bent, loose connection.

Is the inspection result normal?

YES>>

GO TO 4.

NO>>

Connect Ethernet cable properly.

4. REPLACE ETHERNET CABLE

1. Replace Ethernet cable.

2. Perform DTC confirmation procedure again. Refer to Confirmation Procedure.

Is DTC "U1C98-87" detected as current malfunction?

YES>>

GO TO 5.

NO>>

5. REPLACE ADAS CONTROL UNIT 2

1. Replace ADAS control unit 2.

2. Perform DTC confirmation procedure again. Refer to <u>Confirmation Procedure</u>.

<u>Is DTC "U1C98-87" detected as current malfunction?</u>

YES>>

Replace HD map module. Refer to <u>Removal and Installation</u>.

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC		CONSULT screen terms	DTC detection condition	
U27A9	88	Ethernet communication error	Diagnosis condition	When power switch is ON
			Signal (terminal)	Ethernet communication signal
			Threshold	Signal received from ADAS control unit 2 is abnormal
			Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

ADAS control unit 2 is abnormal

FAIL-SAFE

The following systems are canceled.

- Lane keeping function[*]

- Lane change support function

- Overtaking support function

- Route driving support function

*: ProPILOT Assist 2.0 display is blue

1. DTC CONFIRMATION PROCEDURE

1. Turn power switch ON and wait 2 seconds or more.

2. Perform "All DTC Reading" with CONSULT.

3. Check if "U27A9-88" is detected as current malfunction in self-diagnosis result of "HD MAP".

Is DTC "U27A9-88" detected as 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 RESULT OF ADAS CONTROL UNIT 2

Check if DTC is detected in self-diagnosis result of "ICC/ADAS 2".

<u>Is DTC detected?</u>

YES>>

Perform trouble diagnosis for detected DTC and repair or replace malfunctioning part. Refer to <u>DTC Index</u>.

NO>>

Replace ADAS control unit 2. Refer to <u>Removal and Installation</u>.