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2016 NISSAN Altima Sedan OEM Service and Repair Workshop Manual

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4. PERFORM DTC CONFIRMATION PROCEDURE-2

1. Erases all self-diagnosis results with CONSULT.
2. Perform DTC confirmation procedure again. [Confirmation Procedure](#)

Is DTC “U288C-88” detected as the current malfunction?

YES>>

- Without Head Up Display: Replace the ethernet harness between 8CH CAN gateway and combination meter.
- With Head Up Display: Replace the ethernet harness between 8CH CAN gateway and Head Up Display.

NO >>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms	DTC detected condition	
U298C-88	Ethernet circuit	Diagnosis condition	When power switch is ON.
		Signal (terminal)	—
		Threshold	Lost ethernet communication with ADAS control unit 2
		Diagnosis delay time	120 seconds or more

POSSIBLE CAUSE

- Ethernet harness
- 8CH CAN gateway
- ADAS control unit 2

FAIL-SAFE

8CH CAN gateway stops transmitting and receiving ethernet communication signals between ethernet communication circuit which cannot communicate.

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 120 seconds or more.
2. Select “Self Diagnostic Result” mode of “8ch CAN GATEWAY 2” using CONSULT.
3. Check DTC.

Is DTC U298C-88 detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: [Intermittent Incident](#)

NO-2>>

Confirmation after repair: INSPECTION END

Sample

1. CHECK CONNECTOR

1. Power switch OFF.
2. Check the ethernet harness connectors and terminals of 8CH CAN gateway and ADAS control unit 2 for damage or looseness.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO >>

Repair or replace the malfunction part, securely lock the harness connector.

2. PERFORM ALL DTC READING

1. Power switch ON.
2. Perform “All DTC Reading” with CONSULT.
3. Check if any DTCs of ethernet (DTC “U2952-88”) are detected in “Self Diagnostic Result” of “ICC/ADAS 2”

Are any DTCs of ethernet detected?

YES>>

Replace the 8CH CAN gateway (Refer to [Removal and Installation.](#)), and [GO TO 3.](#)

NO >>

Replace the ADAS control unit 2.

- With ProPILOT 2.0: Refer to [Removal and Installation.](#)
- Without ProPILOT 2.0: Refer to [Removal and Installation.](#)

3. PERFORM DTC CONFIRMATION PROCEDURE-1

1. Erases all self-diagnosis results with CONSULT.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure.](#)

Is DTC “U298C-88” detected as the current malfunction?

YES>>

Replace the ADAS control unit 2 [[Removal and Installation](#) (with Pro PILOT) or [Removal and Installation](#) (without Pro PILOT)], and [GO TO 4.](#)

NO >>

INSPECTION END

4. PERFORM DTC CONFIRMATION PROCEDURE-2

1. Erases all self-diagnosis results with CONSULT.
2. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure.](#)

Is DTC “U298C-88” detected as the current malfunction?

YES>>

Replace the ethernet harness between 8CH CAN gateway and ADAS control unit 2.

NO >>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms	DTC detected condition	
B2600-42	Configuration error	Diagnosis condition	<ul style="list-style-type: none">• After the power switch OFF, wait for 1 minutes or more• When power switch is ON.
		Signal (terminal)	—
		Threshold	Errors are detected in the data stored in the 8CH CAN gateway (except programming data)
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

8CH CAN gateway

FAIL-SAFE

- CAN communication signals between each CAN communication circuit
- Ethernet communication signals between each ethernet communication circuit

1. PRECONDITIONING

After the power switch OFF, open the driver's side door and wait for 2 minutes or more.

CAUTION:

Since the auto ACC function causes the accessory power to be turned ON, do not perform any vehicle operation including locking the doors or opening and closing of the doors during the standby state. Refer to [System Description](#).

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[GO TO 2.](#)

2. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON and wait at least 2 seconds or more.
2. Select "Self Diagnostic Result" mode of "8ch CAN GATEWAY 2" using CONSULT.
3. Check DTC.

Is DTC B2600-42 detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: [Intermittent Incident](#)

NO-2>>

Confirmation after repair: INSPECTION END

1. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

1. Power switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to [Confirmation Procedure](#).
4. Check DTC.

Is DTC B2600-42 displayed?

YES>>

Replace 8CH CAN gateway. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms	DTC detected condition	
B2600-46	Configuration error	Diagnosis condition	When power switch is ON.
		Signal (terminal)	—
		Threshold	Errors are detected in the programming data stored in the 8CH CAN gateway
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

8CH CAN gateway

FAIL-SAFE

- CAN communication signals between each CAN communication circuit
- Ethernet communication signals between each ethernet communication circuit