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2020 NISSAN Rogue Service and Repair Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F93	29	E-driven intelligent brake unit circuit (Electrically-driven intelligent brake unit circuit)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	When signal receiving from steering angle sensor via CAN communication is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Steering angle sensor
- ADAS control unit 2

FAIL-SAFE

The following system are cancelled.

- Lane keep function[*]
- Lane change support function
- Overtaking support function
- Route driving support function

*: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC "C1F93-29" 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. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Turn the MAIN switch of ProPILOT Assist 2.0 system ON.

3. Perform "All DTC Reading" with CONSULT.

4. Check if the "C1F93-29" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F93-29" 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

DTC Diagnosis Procedure

1. CHECK DTC PRIORITY

If DTC "C1F93-29" 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. PERFORM SELF-DIAGNOSIS OF ABS ACTUATOR CONTROL UNIT

Check if any DTC is detected in "Self Diagnostic Result" of "ABS".

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. 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	
C1F93	64	E-driven intelligent brake unit circuit (Electrically-driven intelligent brake unit circuit)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	When signal receiving from steering angle sensor via CAN communication is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Steering angle sensor

- ADAS control unit 2

FAIL-SAFE

The following system are cancelled.

- Lane keep function*

- Lane change support function

- Overtaking support function

- Route driving support function

*: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC "C1F93-64" 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. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Turn the MAIN switch of ProPILOT Assist 2.0 system ON.

3. Perform "All DTC Reading" with CONSULT.

4. Check if the "C1F93-64" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F93-64" 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 "C1F93-64" 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. PERFORM SELF-DIAGNOSIS OF ABS ACTUATOR CONTROL UNIT

Check if any DTC is detected in "Self Diagnostic Result" of "ABS".

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. 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	
C1F45	64	CCM (Chassis control module)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	CAN communication signal
			Threshold	If ADAS control unit 2 detects an error signal that is received from chassis control module via CAN communication
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Chassis control module
- ADAS control unit 2

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 "C1F45-64" 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. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Perform "All DTC Reading" with CONSULT.

3. Check if the "C1F45-64" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F45-64" 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

DTC Diagnosis Procedure

1. CHECK DTC PRIORITY

If DTC "C1F45-64" 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. PERFORM SELF-DIAGNOSIS OF CHASSIS CONTROL MODULE

Check if any DTC is detected in "Self Diagnostic Result" of "CHASSIS CONTROL".

Is any DTC detected?

YES>>

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

NO>>

Replace the ADAS control unit 2. Refer to Removal and Installation.