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2018 NISSAN Titan Crew Cab OEM Service and Repair Workshop Manual

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Perform diagnosis of applicable. Refer to [DTC Index](#).

NO >>

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2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Drive the vehicle at 40 km/h (25 MPH) or more, and keep 60 seconds or more.

> **NOTE:**
> **Always drive safely.**

3. Perform "All DTC Reading" with CONSULT.

4. Check if the "C1F04-61" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F04-61" 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 "C1F04-61" is displayed with Network-DTC, first diagnose the Network-DTC.

<u>Is applicable DTC detected?</u>

YES >>

Perform diagnosis of applicable. Refer to <u>DTC Index</u> (Without ProPILOT Assist 2.0) or <u>DTC Index</u>(With ProPILOT Assist 2.0).

NO >>

<u>GO TO 2</u> .

2. CHECK BCM SELF-DIAGNOSTIC RESULT

Ⓗ CONSULT

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

<u>Is any DTC detected?</u>

YES >>

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

NO >>

GO TO 3.

3. CHECK ADAS CONTROL UNIT 2 SELF-DIAGNOSTIC RESULT

Check if any DTC is detected in "Self Diagnostic Result" mode of "ICC/ADAS 2".

<u>Is any DTC detected?</u>

YES >>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to <u>DTC Index</u>(Without ProPILOT Assist 2.0) or <u>DTC Index</u>(With ProPILOT Assist 2.0).

NO >>

Replace the ADAS control unit 2. Refer to <u>Removal and Installation</u>(Without ProPILOT Assist 2.0) or <u>Removal and Installation</u>(With ProPILOT Assist 2.0).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
C1F04	61	FEB OPE COUNT LIMIT (Forward Emergency Braking operation count limit)	Diagnosis condition	When driving at the vehicle speeds of approximately 40 km/h or more.	
			Signal (terminal)	Stop lamp switch signal	
			Threshold	A mismatch between a stop lamp switch signal and a brake pedal position switch signal received from BCM	
			Diagnosis delay time	60 seconds or more	

POSSIBLE CAUSE

- BCM

- 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 "C1F04-61" is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable.Refer to DTC Index.

NO >>

2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.

2. Drive the vehicle at 40 km/h (25 MPH) or more, and keep 60 seconds or more.

> **NOTE:**
> **Always drive safely.**

3. Perform "All DTC Reading" with CONSULT.

4. Check if the "C1F04-61" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F04-61" 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 DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
C1F40	82	ECM (Engine control module)	Diagnosis condition	• When vehicle is READY • When AEB system is ON	
			Signal (terminal)	—	
			Threshold	If ADAS control unit 2 detects an error signal that is received from VCM via CAN communication	
			Diagnosis delay time	1 second or less	

POSSIBLE CAUSE

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

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC "C1F40-82" 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 AEB system ON.

3. Perform "All DTC Reading" with CONSULT.

4. Check if the "C1F40-82" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F40-82" 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 "C1F40-82" is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable. Refer to <u>DTC Index</u>.

NO >>

<u>GO TO 2</u> .

2. CHECK VCM SELF-DIAGNOSIS RESULTS

Check if any DTC is detected in "Self Diagnostic Result" of "EV/HEV".

Is any DTC detected?

YES >>

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

NO >>

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

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
C1F40	83	ECM (Engine control module)	Diagnosis condition	• When vehicle is READY • When AEB system is ON	
			Signal (terminal)	—	
			Threshold	If ADAS control unit 2 detects an error signal that is received from VCM via CAN communication	
			Diagnosis delay time	1 second or less	

POSSIBLE CAUSE

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

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC "C1F40-83" 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 AEB system ON.

    3. Perform "All DTC Reading" with CONSULT.

    4. Check if the "C1F40-83" is detected as the current malfunction in "Self Diagnostic Result" of "ICC/ADAS 2".

Is "C1F40-83" 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