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2020 Nissan NV3500 HD Service and Repair Manual

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SIEMD-7109147

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F48	86	ABS/TCS/VDC CIRC (Anti-lock braking system/Traction control system/Vehicle dynamics control system circuit)	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 ABS actuator and electric unit (control unit) via CAN communication
			Diagnosis delay time	3 seconds or more

POSSIBLE CAUSE

- ABS actuator and electric unit (control unit)
- 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 “C1F48-86” 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 and wait at least 3 seconds.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C1F48-86” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F48-86” 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

SIEMD-7253726

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F64	04	Head Up Display unit (Head Up Display unit)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	If Head Up Display unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Head Up Display unit
- 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 “C1F64-04” 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 DTC “C1F64-04” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F64-04” 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

SIEMD-7253727

1. CHECK DTC PRIORITY

If DTC “C1F64-04” 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 HEAD UP DISPLAY UNIT

Check if any DTC is detected in “Self Diagnostic Result” of “E-HUD”.

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.

SIEMD-7253724

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F64	08	Head Up Display unit (Head Up Display unit)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	Signal receiving from Head Up Display unit via CAN communication is malfunction
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Head Up Display unit
- 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 “C1F64-08” 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 DTC “C1F64-08” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F64-08” 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 “C1F64-08” 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 HEAD UP DISPLAY UNIT

Check if any DTC is detected in “Self Diagnostic Result” of “E-HUD”.

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.

SIEMD-7499565

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F64	82	Head Up Display unit (Head Up Display unit)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	Signal receiving from Head Up Display unit via CAN communication is malfunction
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Head Up Display unit
- 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 “C1F64-82” 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.