

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2020 NISSAN Grand Livina Service and Repair Manual

[Go to manual page](#)

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F05	49	Front camera unit (Front camera unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	If front camera unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Front camera unit
- ADAS control unit 2

FAIL-SAFE

The following systems are canceled.

- 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 “C1F05-49” 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 “C1F05-49” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F05-49” 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

Sample

1. CHECK DTC PRIORITY

If DTC “C1F05-04” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable. Refer to [DTC Index](#)(Without ProPILOT Assist 2.0) or [DTC Index](#)(With ProPILOT Assist 2.0).

NO >>

GO TO 2.

2. CHECK FRONT CAMERA UNIT SELF-DIAGNOSTIC RESULT

Check if any DTC is detected in “Self Diagnostic Result” of “LANE CAMERA”.

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](#)(Without ProPILOT Assist 2.0) or [Removal and Installation](#)(With ProPILOT Assist 2.0).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F05	49	Front camera unit (Front camera unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	If front camera unit is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Front camera unit
- ADAS control unit 2

FAIL-SAFE

- 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 “C1F05-49” 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 “C1F05-49” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F05-49” 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

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F05	4B	Front camera unit (Front camera unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	Temperature around front camera unit is excessively high
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Interior room temperature is excessively high

FAIL-SAFE

The following systems are canceled.

- 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. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the Power switch OFF.
2. Wait for 10 minutes or more to cool the front camera unit.
3. Set the vehicle to READY.
4. Perform “All DTC Reading” with CONSULT.
5. Check if the “C1F05-4B” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F05-4B” 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

Sample

1. CHECK ENGINE COOLING SYSTEM

Check for any malfunctions in engine cooling system.

Is engine cooling system normal?

YES >>

Replace the front camera unit. Refer to [Removal and Installation](#)(Without ProPILOT Assist 2.0) or [Removal and Installation](#)(With ProPILOT Assist 2.0).

NO >>

Repair engine cooling system.

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F05	4B	Front camera unit (Front camera unit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	Temperature around front camera unit is excessively high
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Interior room temperature is excessively high

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. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch OFF.
2. Wait for 10 minutes or more to cool the front camera unit.
3. Set the vehicle to READY.
4. Perform “All DTC Reading” with CONSULT.
5. Check if the “C1F05-4B” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F05-4B” detected as the current malfunction?

YES >>

Refer to [DTC Diagnosis Procedure](#).

NO-1 >>