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2019 NISSAN Micra 5 Doors Service and Repair Manual

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SIEMD-7109163

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F5F	08	Distance sensor (Distance sensor)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist system is ON
			Signal (terminal)	CAN communication signal
			Threshold	Distance sensor is not transmitting or receiving CAN communication signal
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Distance sensor
- 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-LI
- I-BSI
- TSR
- I-DA
- I-FCW

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “C1F5F-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 system ON.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C1F5F-08” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F5F-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

SIEMD-7109298

1. CHECK DTC PRIORITY

If DTC “C1F5F-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 DISTANCE SENSOR

Check if any DTC is detected in “Self Diagnostic Result” of “LASER/RADAR”.

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-7330779

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F5F	16	Distance sensor (Distance sensor)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist 2.0 system is ON
			Signal (terminal)	CAN communication signal
			Threshold	Distance sensor is not transmitting or receiving CAN communication signal
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Distance sensor
- 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
- I-FCW
- 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 “C1F5F-16” 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 “C1F5F-16” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F5F-16” 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-7109170

1. CHECK DTC PRIORITY

If DTC “C1F5F-16” 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. PERFORM SELF-DIAGNOSIS OF DISTANCE SENSOR

Check if any DTC is detected in “Self Diagnostic Result” of “LASER/RADAR”.

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).

SIEMD-7109157

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F5F	16	Distance sensor (Distance sensor)	Diagnosis condition	• When vehicle is READY • When MAIN switch of ProPILOT Assist system is ON
			Signal (terminal)	CAN communication signal
			Threshold	Distance sensor is not transmitting or receiving CAN communication signal
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Distance sensor
- 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-LI
- I-BSI
- TSR
- I-DA
- I-FCW

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “C1F5F-16” 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 system ON.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C1F5F-16” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F5F-16” 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-7330780

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F5F	4B	Distance sensor (Distance sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	CAN communication signal
			Threshold	Temperature around distance sensor is excessively high
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Temperature around the distance sensor becomes extremely high
- 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
- I-FCW
- 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 distance sensor.
3. Set the vehicle to READY.
4. Perform “All DTC Reading” with CONSULT.
5. Check if the “C1F5F-4B” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F5F-4B” detected as the current malfunction?