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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 Pulsar Service and Repair Manual

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DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F04	48	FEB OPE COUNT LIMIT (Forward Emergency Braking operation count limit)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	AEB system operated 3 times within power switch ON.
			Diagnosis delay time	1 second or less


NOTE:

If “C1F04-48” detected, perform the AEB system action test and AEB system operates normally.

POSSIBLE CAUSE

AEB system operated 3 times within power switch ON.

FAIL-SAFE

The following systems are canceled.

- AEB
- RAB
- I-FCW

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C1F04-48” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F04-48” 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	
C1F52	54	Driver monitor system circuit (Driver monitor system circuit)	Diagnosis condition	<ul style="list-style-type: none"> 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 driver monitor camera control unit via CAN communication
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Driver monitor camera control unit

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 “C1F52-54” 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

- Set the vehicle to READY.

2. Turn the AEB system ON.

3. Perform “All DTC Reading” with CONSULT.

4. Check if the “C1F52-54” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F52-54” 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 “C1F52-54” 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 DRIVER MONITOR CAMERA CONTROL UNIT

Check if any DTC is detected in “Self Diagnostic Result” of “Driver monitor 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](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F52	62	Driver monitor system circuit (Driver monitor system circuit)	Diagnosis condition	<ul style="list-style-type: none"> 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 driver monitor camera control unit via CAN communication
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Driver monitor camera control unit

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 “C1F52-62” 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

- Set the vehicle to READY.

2. Turn the AEB system ON.

3. Perform “All DTC Reading” with CONSULT.

4. Check if the “C1F52-62” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F52-62” 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 “C1F52-62” 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 DRIVER MONITOR CAMERA CONTROL UNIT

Check if any DTC is detected in “Self Diagnostic Result” of “Driver monitor 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](#).

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C1F52	82	Driver monitor system circuit (Driver monitor system circuit)	Diagnosis condition	<ul style="list-style-type: none"> 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 driver monitor camera control unit via CAN communication
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Driver monitor camera control unit

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 “C1F52-82” 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

- Set the vehicle to READY.

2. Turn the AEB system ON.

3. Perform “All DTC Reading” with CONSULT.

4. Check if the “C1F52-82” is detected as the current malfunction in “Self Diagnostic Result” of “ICC/ADAS 2”.

Is “C1F52-82” 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

Sample