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2021 NISSAN Z Service and Repair Manual

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DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2570-4B	Front camera unit	Diagnosis condition	<ul style="list-style-type: none"> • When vehicle is READY • When AEB system is ON
		Signal (terminal)	-
		Threshold	Temperature around front camera unit is excessively high
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

Temperature around the front camera unit becomes extremely high

FAIL-SAFE

The following functions are suspended.

- Vehicle-to-vehicle distance control mode^{*1}
- Steering wheel assistance function^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Vehicle speed & vehicle-to-vehicle control function^{*2}
- Lane keep function^{*2,3}
- Lane keep function^{*2,4}
- Lane change support function^{*2}
- Overtaking support function^{*2}
- Route driving support function^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: 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.
3. Set the vehicle to READY
4. Turn the AEB system ON, and then wait for 5 seconds or more.
5. Perform “All DTC Reading” with CONSULT.
6. Check if the “C2570-4B” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2570-4B” 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

1. CHECK COOLING SYSTEM

Check for any malfunctions in cooling system.

Is cooling system normal?

YES>>

Replace the front camera unit. Refer to [Removal & Installation](#).

NO>>

Repair cooling system.

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	When power switch is ON.
C2572-71	Front camera unit	Signal (terminal)	-
		Threshold	<ul style="list-style-type: none"> • Configuration of the front camera unit is not completed • If front camera unit is malfunctioning
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Configuration of the front camera unit is not completed
- Front camera unit

FAIL-SAFE

The following functions are suspended.

- Vehicle-to-vehicle distance control mode^{*1}
- Steering wheel assistance function^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Vehicle speed & vehicle-to-vehicle control function^{*2}
- Lane keep function^{*2,3}
- Lane keep function^{*2,4}
- Lane change support function^{*2}
- Overtaking support function^{*2}
- Route driving support function^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

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*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2572-71” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2572-71” 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 SELF-DIAGNOSIS RESULTS

Check if any DTC other than “C2500-49”, “C2504-71”, “C2505-92”, “C2506-49”, “C2544-82”, “C2544-83”, “C2544-86”, “C2544-87”, “C2545-82”, “C2545-83”, “C2545-86”, “C2545-87”, “C2572-71”, “C2572-97”, “C2573-97”, and “C2575-92” 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 front camera unit. Refer to [Removal and Installation](#).

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2572	97	Front camera unit	Diagnosis condition	When power switch is ON
			Signal (terminal)	—
			Threshold	<ul style="list-style-type: none"> • Configuration of the front camera unit is not completed. • If front camera unit is malfunctioning
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Configuration of the front camera unit is not completed
- Front camera unit

FAIL-SAFE

The following systems are cancelled.

- Vehicle-to-vehicle distance control mode^{*1}
- Steering wheel assistance function^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Vehicle speed & vehicle-to-vehicle control function^{*2}
- Lane keep function^{*2,3}
- Lane keep function^{*2,4}
- Lane change support function^{*2}
- Overtaking support function^{*2}
- Route driving support function^{*2}
- AEB
- LDW
- I-LI
- I-BSI
- TSR

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

1. Turn the power switch ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2572-97” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2572-97” 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 SELF-DIAGNOSIS RESULTS

Check if any DTC other than “C2500-49”, “C2504-71”, “C2505-92”, “C2506-49”, “C2544-82”, “C2544-83”, “C2544-86”, “C2544-87”, “C2545-82”, “C2545-83”, “C2545-86”, “C2545-87”, “C2572-71”, “C2572-97”, “C2573-97”, and “C2575-92” 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 front camera unit. Refer to [Removal and Installation](#).

Sample