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2022 NISSAN 370Z Roadster Service and Repair Manual

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DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	When power switch is ON.
C2503-54	Camera aiming incmp (Camera aiming incomplete)	Signal (terminal)	-
		Threshold	Front camera aiming is not completed
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Front camera aiming is not completed
- Front camera aiming adjustment has been interrupted

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 ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2503-54” is detected as the current malfunction in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2503-54” 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. CAMERA AIMING ADJUSTMENT

1. Perform the camera aiming. Refer to [Work Procedure](#).
2. Erase all self-diagnosis results with CONSULT.
3. Perform “All DTC Reading”.
4. Check if the “C2503-54” is detected in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2503-54” detected?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
		Diagnosis condition	When power switch is ON.
C2503-78	Configuration data error (Configuration data error)	Signal (terminal)	-
		Threshold	Front camera aiming is not completed
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Front camera aiming is not completed
- Front camera aiming adjustment has been interrupted

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 ON, and then wait for 5 seconds or more.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2503-78” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2503-78” 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. CAMERA AIMING ADJUSTMENT

1. Perform the camera aiming. Refer to [Work Procedure](#).
2. Erase all self-diagnosis results with CONSULT.
3. Perform “All DTC Reading”.
4. Check if the “C2503-78” is detected in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2503-78” detected?

YES>>

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

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2571	78	Front camera unit	Diagnosis condition	When power switch is ON
			Signal (terminal)	—
			Threshold	Camera aiming is not completed
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

- Front camera aiming is not completed
- Front camera aiming adjustment has been interrupted

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

*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 “C2571-87” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2571-87” 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. CAMERA AIMING ADJUSTMENT

1. Perform the camera aiming. [Work Procedure](#).
2. Erase all self-diagnosis results with CONSULT.
3. Perform “All DTC Reading”.
4. Check if the “C2571-78” is detected in “Self Diagnostic Result” of “LANE CAMERA”.

Is “C2571-78” detected?

YES>>

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

NO>>

INSPECTION END

Sample