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2022 NISSAN 370z Nismo Service and Repair Manual

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DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2502-92	Configuration data error (Configuration data error)	Diagnosis condition	<ul style="list-style-type: none"> • When vehicle is READY • When AEB system is ON
		Signal (terminal)	CAN communication signal
		Threshold	Configuration of the front camera unit is incomplete
		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

*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. Set the vehicle to READY.
2. Turn the AEB system ON, and then wait for 5 seconds or more.
3. Perform “All DTC Reading” with CONSULT.
4. Check if the “C2502-92” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2502-92” 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. PERFORM CONFIGURATION OF FRONT CAMERA UNIT

1. Perform configuration of the front camera unit. Refer to [Work Procedure](#).
2. Erases self-diagnosis results.
3. Perform DTC confirmation procedure again. Refer to [DTC Description](#).

Is DTC "C2502-92" 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	
C2525-86	AV control unit	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	Front camera unit detects that AV control unit has a malfunction.
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

AV control 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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CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “C2525-86” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable. Refer to [DTC Index](#).

NO >>

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2. 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 “C2525-86” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2525-86” 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 DTC PRIORITY

If DTC “C2525-86” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable. Refer to [DTC Index](#).

NO >>

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2. CHECK AV CONTROL UNIT SELF DIAGNOSTIC RESULT

Perform “Self Diagnostic Result” of “MULTI AV” using CONSULT.

Are any DTCs detected?

YES >>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO >>

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

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2525-87	AV control unit	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	Front camera unit detects that AV control unit has a malfunction.
		Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

AV control 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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*4: ProPILOT Assist 2.0 display is blue

CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC “C2525-87” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES >>

Perform diagnosis of applicable. Refer to [DTC Index](#).

NO >>

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2. 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 “C2525-87” is detected as the current malfunction on the self-diagnosis results of “LANE CAMERA”.

Is “C2525-87” 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

1. CHECK DTC PRIORITY

If DTC “C2525-87” 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. CHECK AV CONTROL UNIT SELF DIAGNOSTIC RESULT

Perform “Self Diagnostic Result” of “MULTI AV” using CONSULT.

Are any DTCs detected?

YES >>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO >>

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