

Your Ultimate Source for OEM Repair Manuals

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.

2021 NISSAN Pulsar Service and Repair Manual

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YES>>

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

NO>>

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2. PERFORM DTC CONFIRMATION PROCEDURE

1. Set the vehicle to READY.
2. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2580-45” is detected as the current malfunction in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2580-45” 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 “C2580-45” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

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

NO>>

Replace the distance sensor. Refer to [Removal and Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2580	47	Distance sensor (Distance sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	Distance sensor is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Distance sensor

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Steering wheel assistance function^{*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
- RAB
- I-FCW

*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. CHECK DTC PRIORITY

If DTC “C2580-47” 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. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2580-47” is detected as the current malfunction in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2580-47” 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 “C2580-47” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

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

NO>>

Replace the distance sensor. Refer to [Removal and Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2580	48	Distance sensor (Distance sensor)	Diagnosis condition	When vehicle is READY
			Signal (terminal)	—
			Threshold	Distance sensor is malfunctioning
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Distance sensor

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Steering wheel assistance function^{*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
- RAB
- I-FCW

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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. CHECK DTC PRIORITY

If DTC “C2580-48” 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. Perform “All DTC Reading” with CONSULT.
3. Check if the “C2580-48” is detected as the current malfunction in “Self Diagnostic Result” of “LASER/RADAR”.

Is “C2580-48” 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

Sample

1. CHECK DTC PRIORITY

If DTC “C2580-48” is displayed with Network-DTC, first diagnose the Network-DTC.

Is applicable DTC detected?

YES>>

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

NO>>

Replace the distance sensor. Refer to [Removal and Installation](#).

Sample

DTC DETECTION LOGIC

DTC		CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
C2580	4B	Distance sensor (Distance sensor)	Diagnosis condition	<ul style="list-style-type: none"> When vehicle is READY When AEB system is ON
			Signal (terminal)	—
			Threshold	Temperature detected by the temperature sensor integrated in distance sensor remains more than 105 °C (221 °F)
			Diagnosis delay time	5 seconds or more

POSSIBLE CAUSE

Temperature around the distance sensor becomes extremely high

FAIL-SAFE

The following systems are canceled.

- Vehicle-to-vehicle distance control mode^{*1}
- Conventional (fixed speed) cruise control mode^{*1}
- Steering wheel assistance function^{*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
- RAB
- I-FCW

*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