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2002 NISSAN Pathfinder OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U224E	87	CAN communication error combination meter	1	Diagnosis condition	<ul style="list-style-type: none">Power switch is ON.When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to combination meter.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none">Power switch is ON.When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from combination meter.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none">Harness or connectorCAN communication line	Harness or connector

FAIL-SAFE

The following functions are suspended.

- VDC function
- TCS function
- hill start assist function
- Brake limited slip differential (BLSD) function
- Brake assist function
- Brake force distribution function

- Cooperative regenerative brake function

Sample

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “U224E-87” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

DTC Diagnosis Procedure

SIEMD-7262642

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2252	87	CAN communication error advanced driver assistant systems control unit	1	Diagnosis condition	<ul style="list-style-type: none">• Power switch is ON.• When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to ADAS control unit 2.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none">• Power switch is ON.• When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from ADAS control unit 2.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none">Harness or connectorCAN communication line	Harness or connector

FAIL-SAFE

Normal control

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “U2252-87” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

DTC Diagnosis Procedure

SIEMD-7262645

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U225B	87	CAN communication error (IPDM E/R)	1	Diagnosis condition	<ul style="list-style-type: none">Power switch is ON.When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to IPDM E/R.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none">Power switch is ON.When the power supply voltage is normal.
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from IPDM E/R.
				Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none">Harness or connectorCAN communication line	Harness or connector

FAIL-SAFE

The following functions are suspended.

- hill start assist function
- Electric parking brake function

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “U225B-87” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END