

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.

1997 NISSAN Patrol SWB OEM Service and Repair Workshop Manual

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- Brake force distribution function
- Cooperative regenerative brake function
- Electric parking 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.

>>

[GO TO 2.](#)

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 “C1058-49” 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

1. ADJUST THE NEUTRAL POSITION OF STEERING ANGLE SENSOR

1. Perform neutral position adjustment of steering angle sensor. Refer to [Work Procedure](#).
2. Perform “All DTC Reading”.

Is DTC detected?

YES>>

Check the DTC.

NO>>

[GO TO 2.](#)

2. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) POWER SUPPLY AND GROUND CIRCUIT

Check the ABS actuator and electric unit (control unit) power supply and ground circuit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link.

3. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Power switch OFF (Auto ACC function 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”.



NOTE:

Replace the ABS actuator and electric unit (control unit) even if other DTCs are displayed along with “C1058-49” in self-diagnosis for “ABS”.

Is DTC “C1058-49” detected?

YES>>

Replace the ABS actuator and electric unit (control unit). Refer to [ABS ACTUATOR AND ELECTRIC UNIT \(CONTROL UNIT\): Removal & Installation](#).

NO>>

INSPECTION END [Although motor built in the ABS actuator and electric unit (control unit) operates temporarily without a break, this is not a malfunction. Erase the all memory of self-diagnosis results.]

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C1058	51	Control unit	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When there is an internal malfunction in the ABS actuator and electric unit (control unit).
			Diagnosis delay time	2 seconds or less

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"> The vehicle travels near high-voltage electrical power lines Motor built in the ABS actuator and electric unit (control unit) operates temporarily without a break Harness or connector ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery 	<ul style="list-style-type: none"> Incomplete adjustment of steering angle sensor Harness or connector ABS actuator and electric unit (control unit) ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery

FAIL-SAFE

The following functions are suspended.

- VDC function
- TCS function
- ABS function
- EBD function
- hill start assist function
- Brake limited slip differential (BLSD) function
- Brake assist function

- Brake force distribution function
- Cooperative regenerative brake function
- Electric parking brake function

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