

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.

2003 NISSAN Almera / Pulsar 3 Doors OEM Service and Repair Workshop Manual

[Go to manual page](#)

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C10B5	76	Parking brake assembly check	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When an internal malfunction in ABS actuator and electric unit (control unit). (Maintenance mode)
			Diagnosis delay time	30 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 connector Parking brake actuator ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery 	<ul style="list-style-type: none"> Harness or connector Parking brake actuator 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.

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.

>>

[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. Push the parking brake switch.

CAUTION:

- **Set the shift position in the P.**
- **Depress the brake pedal.**

5. Pull the parking brake switch.
6. Perform self-diagnosis for “ABS”.

Is DTC “C10B5-76” 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. ADJUSTMENT OF BRAKE CALIPER INITIAL POSITION

Perform adjustment of brake caliper initial position. Refer to [Work Procedure](#).

>>

[GO TO 2.](#)

2. 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".

Is DTC "C10B5-76" detected?

YES-1>>

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

YES-2>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C10B3	44	Parking brake control module	Diagnosis condition	Power switch is ON.
			Signal (terminal)	—
			Threshold	When an internal malfunction in ABS actuator and electric unit (control unit).
			Diagnosis delay time	1 second 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"> • Harness or connector • Parking brake actuator (RH) • ABS actuator and electric unit (control unit) power supply system • Fuse • Fusible link • 12V battery 	<ul style="list-style-type: none"> • Harness or connector • Parking brake actuator • 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.

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.

>>

[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. Push the parking brake switch.

CAUTION:

- **Set the shift position in the P.**
- **Depress the brake pedal.**

5. Pull the parking brake switch.
6. Perform self-diagnosis for “ABS”.

Is DTC “C10B3-44” 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. 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. Push the parking brake switch.

CAUTION:

- **Set the shift position in the P.**
- **Depress the brake pedal.**

5. Pull the parking brake switch.
6. Perform self-diagnosis for "ABS".

Is DTC "C10B3-44" detected?

YES-1>>

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

YES-2>>

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

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C10B3	49	Parking brake control module	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When an internal malfunction in ABS actuator and electric unit (control unit).
			Diagnosis delay time	1 second 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"> Harness or connector Parking brake actuator ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery 	<ul style="list-style-type: none"> Harness or connector Parking brake actuator 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.

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.

>>

[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. Push the parking brake switch.

CAUTION:

- **Set the shift position in the P.**
- **Depress the brake pedal.**

5. Pull the parking brake switch.
6. Perform self-diagnosis for “ABS”.

Is DTC “C10B3-49” 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. CHECK CONNECTOR

1. Disconnect 12V battery negative terminal.
2. Check the parking brake actuator harness connector for disconnection or looseness.
3. Check the ABS actuator and electric unit (control unit) harness connector for disconnection or looseness.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair / replace harness or connector. [GO TO 2.](#)

2. CHECK PARKING BRAKE ACTUATOR CIRCUIT (1)

1. Disconnect the ABS actuator and electric unit (control unit) harness connector.
2. Check the continuity between ABS actuator and electric unit (control unit) harness connector terminals.

ABS actuator and electric unit (control unit)			Continuity
Connector	Terminal		
B2	13 - 12	(Left)	Existed
	2 - 3	(Right)	

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

[GO TO 3.](#)

3. CHECK PARKING BRAKE ACTUATOR CIRCUIT (2)

Check the continuity between parking brake actuator harness connector terminals.

Terminal	Continuity
1 - 2	Existed

Is the inspection result normal?

YES>>

Repair / replace harness or connector.

NO>>

Replace the parking brake actuator. Refer to [PARKING BRAKE ACTUATOR : Removal & Installation.](#)

4. CHECK MOTOR POWER SUPPLY

1. Connect 12V battery negative terminal.