

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.

2002 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

[Go to manual page](#)

1. CHECK DATA MONITOR

 With CONSULT

1. Power switch ON.



NOTE:
Wait at least 10 seconds after power switch ON.

2. Select “ABS”, “Data monitor” and “Parking brake switch” according to this order. Check that data monitor displays when parking brake switch is pull, neutral or push. Refer to [Values On The Diagnosis Tool](#).

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

[GO TO 2.](#)

2. CHECK CONNECTOR

1. Disconnect 12V battery negative terminal.
2. Check the parking brake switch 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 3.](#)

NO>>

Repair / replace harness or connector. [GO TO 3.](#)

3. CHECK PARKING BRAKE SWITCH CIRCUIT

1. Disconnect the parking brake switch harness connector.
2. Disconnect the ABS actuator and electric unit (control unit) harness connector.
3. Check the continuity between ABS actuator and electric unit (control unit) harness connector and parking brake switch harness connector.

ABS actuator and electric unit (control unit)		Parking brake switch		Continuity
Connector	Terminal	Connector	Terminal	
B2	34	M144	9	Existed
	15		3	
	32		5	
	16		6	
	31		7	

4. Check the continuity between ABS actuator and electric unit (control unit) harness connector and ground.

ABS actuator and electric unit (control unit)		—	Continuity
Connector	Terminal		
B2	34	Ground	Not existed
	15		
	32		
	16		
	31		

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair/replace harness or connector. [GO TO 4.](#)

4. CHECK PARKING BRAKE SWITCH

Check the parking brake switch. Refer to [Component Inspection.](#)

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

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

5. CHECK TERMINAL

1. Check parking brake switch terminals for damage or loose connection with harness connector.
2. Check ABS actuator and electric unit (control unit) terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Repair / replace harness, connector, or terminal. [GO TO 6.](#)

6. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Connect the parking brake switch harness connector.
2. Connect the ABS actuator and electric unit (control unit) harness connector.
3. Connect 12V battery negative terminal.
4. Power switch OFF (Auto ACC function ON).

5. 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.

6. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

7. Apply and release the parking brake five times.

8. Perform self-diagnosis for "ABS".

Is DTC "C10B2-01" 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	
C10B2	64	Parking brake switch	Diagnosis condition	Power switch is ON.
			Signal (terminal)	Parking brake switch signal
			Threshold	When a malfunction is detected in parking brake switch circuit.
			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 switch • 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 switch • 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 “C10B2-64” 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 DATA MONITOR

 With CONSULT

1. Power switch ON.



NOTE:
Wait at least 10 seconds after power switch ON.

2. Select “ABS”, “Data monitor” and “Parking brake switch” according to this order. Check that data monitor displays when parking brake switch is pull, neutral or push. Refer to [Values On The Diagnosis Tool](#).

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

[GO TO 2.](#)

2. CHECK CONNECTOR

1. Disconnect 12V battery negative terminal.
2. Check the parking brake switch 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 3.](#)

NO>>

Repair / replace harness or connector. [GO TO 3.](#)

3. CHECK PARKING BRAKE SWITCH CIRCUIT

1. Disconnect the parking brake switch harness connector.
2. Disconnect the ABS actuator and electric unit (control unit) harness connector.
3. Check the continuity between ABS actuator and electric unit (control unit) harness connector and parking brake switch harness connector.

ABS actuator and electric unit (control unit)		Parking brake switch		Continuity
Connector	Terminal	Connector	Terminal	
B2	34	M144	9	Existed
	15		3	
	32		5	
	16		6	
	31		7	

4. Check the continuity between ABS actuator and electric unit (control unit) harness connector and ground.

ABS actuator and electric unit (control unit)		—	Continuity
Connector	Terminal		
B2	34	Ground	Not existed
	15		
	32		
	16		
	31		

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair/replace harness or connector. [GO TO 4.](#)

4. CHECK PARKING BRAKE SWITCH

Check the parking brake switch. Refer to [Component Inspection.](#)

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

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

5. CHECK TERMINAL

1. Check parking brake switch terminals for damage or loose connection with harness connector.
2. Check ABS actuator and electric unit (control unit) terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

Repair / replace harness, connector, or terminal. [GO TO 6.](#)

6. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Connect the parking brake switch harness connector.
2. Connect the ABS actuator and electric unit (control unit) harness connector.
3. Connect 12V battery negative terminal.
4. Power switch OFF (Auto ACC function ON).

5. 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.

6. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

7. Apply and release the parking brake five times.

8. Perform self-diagnosis for "ABS".

Is DTC "C10B2-64" 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	
C10B6	68	Parking brake system	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When a malfunction is detected in electric parking brake system.
			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
Parking brake actuator	<ul style="list-style-type: none"> Parking brake actuator ABS actuator and electric unit (control unit)

FAIL-SAFE

The following functions are suspended.

Electric parking brake function