

# 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.

## 2001 NISSAN Sentra OEM Service and Repair Workshop Manual

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## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C104C	04	Front right ABS OUT valve	Diagnosis condition	<ul style="list-style-type: none"> <li>• Power switch ON.</li> <li>• When the power supply voltage is normal.</li> </ul>
			Signal (terminal)	—
			Threshold	When a malfunction is detected in front right ABS OUT valve.
			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"> <li>• Harness or connector</li> <li>• ABS actuator and electric unit (control unit) power supply system</li> <li>• Fuse</li> <li>• Fusible link</li> <li>• 12V battery</li> </ul>	<ul style="list-style-type: none"> <li>• Harness or connector</li> <li>• ABS actuator and electric unit (control unit)</li> <li>• ABS actuator and electric unit (control unit) power supply system</li> <li>• Fuse</li> <li>• Fusible link</li> <li>• 12V battery</li> </ul>

## 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

## 1. PRECONDITIONING

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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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[GO TO 2.](#)

## 2. CHECK DTC DETECTION

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 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 “C104C-04” 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

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1. Disconnect 12V battery negative terminal.
2. 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, securely lock the connector. [GO TO 2.](#)

## 2. PERFORM SELF-DIAGNOSIS

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 With CONSULT

1. Connect 12V battery negative terminal.
2. Power switch OFF (Auto ACC function ON).
3. 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.

4. Power switch ON without depressing the brake pedal.

**CAUTION:**  
Never set the vehicle to READY.

5. Perform self-diagnosis for "ABS".

Is DTC "C104C-04" detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

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

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

Is the inspection result normal?

YES>>

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

NO>>

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C104E	04	Rear left ABS OUT valve	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch ON.</li> <li>When the power supply voltage is normal.</li> </ul>
			Signal (terminal)	—
			Threshold	When a malfunction is detected in rear left ABS OUT valve.
			Diagnosis delay time	1 second or less

## POSSIBLE CAUSE



### NOTE:

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PAST DTC	CRNT DTC
<ul style="list-style-type: none"> <li>Harness or connector</li> <li>ABS actuator and electric unit (control unit) power supply system</li> <li>Fuse</li> <li>Fusible link</li> <li>12V battery</li> </ul>	<ul style="list-style-type: none"> <li>Harness or connector</li> <li>ABS actuator and electric unit (control unit)</li> <li>ABS actuator and electric unit (control unit) power supply system</li> <li>Fuse</li> <li>Fusible link</li> <li>12V battery</li> </ul>

## FAIL-SAFE

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- 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

Sample

## 1. PRECONDITIONING

---

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[GO TO 2.](#)

## 2. CHECK DTC DETECTION

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**CAUTION:**  
**Never operate the vehicle.**

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**CAUTION:**  
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4. Perform self-diagnosis for “ABS”.

Is DTC “C104E-04” 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 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, securely lock the connector. [GO TO 2.](#)

## 2. PERFORM SELF-DIAGNOSIS

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1. Connect 12V battery negative terminal.
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5. Perform self-diagnosis for "ABS".

Is DTC "C104E-04" detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

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

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

Is the inspection result normal?

YES>>

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

NO>>

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

Sample