

# Your Ultimate Source for OEM Repair Manuals

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## 2002 NISSAN Skyline Sedan OEM Service and Repair Workshop Manual

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## 1. CHECK ADAS CONTROL UNIT 2 SYSTEM

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 With CONSULT

Perform self-diagnosis for "ICC/ADAS 2".

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 2.](#)

## 2. 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>>

[GO TO 3.](#)

NO>>

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

## 3. CHECK CONNECTOR AND TERMINAL

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1. Disconnect 12V battery negative terminal.
2. Disconnect ADAS control unit 2 harness connector.
3. Check the ADAS control unit 2 harness connector for disconnection or looseness.
4. Check the ADAS control unit 2 terminals for damage or loose connection with harness connector.
5. Disconnect ABS actuator and electric unit (control unit) harness connector.
6. Check the ABS actuator and electric unit (control unit) harness connector for disconnection or looseness.
7. Check the ABS actuator and electric unit (control unit) terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

## 4. PERFORM SELF-DIAGNOSIS

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 With CONSULT

1. Connect ADAS control unit 2 harness connector.
2. Connect ABS actuator and electric unit (control unit) harness connector.
3. Connect 12V battery negative terminal.
4. Erase self-diagnosis result for "ABS".
5. Power switch OFF (Auto ACC function ON).
6. 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.**

7. Power switch ON without depressing the brake pedal.

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

8. Perform self-diagnosis for "ABS".

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

INSPECTION END

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
C105D	7B	Brake fluid level low	1	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	Brake fluid level switch signal
				Threshold	When brake fluid level low signal is detected.
				Diagnosis delay time	5 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	Brake fluid level switch signal
				Threshold	When an open circuit is detected in brake fluid level switch circuit.
				Diagnosis delay time	5 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"> <li>Brake fluid level is low</li> <li>Harness or connector</li> <li>Brake fluid level switch</li> <li>Combination meter</li> </ul>	<ul style="list-style-type: none"> <li>Brake fluid level is low</li> <li>Harness or connector</li> <li>Brake fluid level switch</li> <li>Combination meter</li> <li>ABS actuator and electric unit (control unit)</li> </ul>

## 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

Sample

## 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 food 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 “C105D-7B” 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 BRAKE FLUID LEVEL

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1. Power switch OFF.
2. Check the brake fluid level. Refer to [BRAKE FLUID : Inspection](#).

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Refill brake fluid. Refer to [BRAKE FLUID : Refilling](#). [GO TO 2.](#)

## 2. PERFORM SELF-DIAGNOSIS (1)

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 With CONSULT

1. Erase self-diagnosis result for “ABS”.
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 "C105D-7B" detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

## 3. CHECK CONNECTOR

---

1. Disconnect 12V battery negative terminal.
2. Check the brake fluid level switch harness connector for disconnection or looseness.
3. Check the combination meter harness connector for disconnection or looseness.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

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

## 4. PERFORM SELF-DIAGNOSIS (2)

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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 “C105D-7B” detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

## 5. CHECK BRAKE FLUID LEVEL SWITCH

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

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Replace the electrically-driven intelligent brake unit. Refer to [ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT : Removal & Installation](#). [GO TO 6.](#)

## 6. PERFORM SELF-DIAGNOSIS (3)

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 With CONSULT

1. Erase self-diagnosis result for “ABS”.
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 “C105D-7B” detected?

YES>>

[GO TO 7.](#)

NO>>

INSPECTION END

## 7. CHECK CONNECTOR AND TERMINAL

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1. Disconnect 12V battery negative terminal.
2. Disconnect brake fluid level switch harness connector.
3. Check the brake fluid level switch harness connector for disconnection or looseness.
4. Check the brake fluid level switch terminals for damage or loose connection with harness connector.
5. Disconnect combination meter harness connector.
6. Check the combination meter harness connector for disconnection or looseness.
7. Check the combination meter terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Repair / replace harness, connector, or terminal, securely lock the connector. [GO TO 4.](#)

## 8. PERFORM SELF-DIAGNOSIS (4)

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 With CONSULT

1. Connect 12V battery negative terminal.
2. Connect brake fluid level switch harness connector.
3. Connect combination meter harness connector.
4. Erase self-diagnosis result for “ABS”.
5. Power switch OFF (Auto ACC function ON).
6. 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.**

7. Power switch ON without depressing the brake pedal.

**CAUTION:**

**Never set the vehicle to READY.**

8. Perform self-diagnosis for “ABS”.

Is DTC “C105D-7B” detected?

YES>>

[GO TO 9.](#)

NO>>

INSPECTION END

## 9. CHECK BRAKE FLUID LEVEL SWITCH CIRCUIT

1. Disconnect 12V battery negative terminal.
2. Disconnect brake fluid level switch harness connector.
3. Disconnect combination meter harness connector.
4. Check the continuity between brake fluid level switch harness connector and combination meter harness connector.

Brake fluid level switch		Combination meter		Continuity
Connector	Terminal	Connector	Terminal	
B40	1	M98	28	Existed

5. Check the continuity between brake fluid level switch harness connector and ground.

Brake fluid level switch		—	Continuity
Connector	Terminal		
B40	1	Ground	Not existed

Is the inspection result normal?

YES>>

[GO TO 10.](#)

NO>>

Repair / replace harness or connector. [GO TO 10.](#)

## 10. CHECK BRAKE FLUID LEVEL SWITCH GROUND CIRCUIT

Check the continuity between brake fluid level switch harness connector and ground.

Brake fluid level switch		—	Continuity
Connector	Terminal		
B40	2	Ground	Existed

Is the inspection result normal?

YES>>

[GO TO 11.](#)