

# Your Ultimate Source for OEM Repair Manuals

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## 2002 NISSAN Almera Tino OEM Service and Repair Workshop Manual

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## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C10AF	01	Pressure sensor	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)	—
			Threshold	When a malfunction is detected in pressure sensor.
			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>Stop lamp switch system</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>Stop lamp switch system</li> <li>Brake system</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

Normal control

## 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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## 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 “C10AF-01” 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 STOP LAMP SWITCH SYSTEM

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Check the stop lamp switch system. Refer to [DTC Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace stop lamp switch system.

## 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. PERFORM SELF-DIAGNOSIS

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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. Drive the vehicle at approximately 50 km/h (31 MPH) or more for approximately 2 minutes.



**NOTE:**  
Vehicle must be driven after repair or replacement to erase the previous DTCs.

5. Stop the vehicle.
6. Power switch OFF (Auto ACC function ON).
7. 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.

8. Power switch ON without depressing the brake pedal.

**CAUTION:**

**Never set the vehicle to READY.**

9. Perform self-diagnosis for “ABS”.

Is DTC "C10AF-01" detected?

YES>>

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

NO>>

Check the ABS actuator and electric unit (control unit) harness connector and terminal for damage, looseness and disconnection. Repair / replace harness, connector, or terminal.

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
C1055	49	CAN system	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)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted from ABS actuator and electric unit (control unit).
				Diagnosis delay time	2 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)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from ABS actuator and electric unit (control unit).
				Diagnosis delay time	2 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>Harness or connector</li> <li>CAN communication line</li> </ul>	CAN communication line

## 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
- Cooperative regenerative brake function
- Electric parking brake 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.

>>

[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 “C1055-49” 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



# DTC Diagnosis Procedure

SIEMD-7262965

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C106B	64	Stop lamp switch	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)	CAN communication signal
			Threshold	When stop lamp switch signal is not input when brake pedal operates.
			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>CAN communication line</li> <li>Stop lamp switch signal circuit</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>CAN communication line</li> <li>Stop lamp switch</li> <li>BCM</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
- hill start assist function
- Brake limited slip differential (BLS D) function
- Brake assist function