

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.

1997 NISSAN Almera / Pulsar 5 Doors OEM Service and Repair Workshop Manual

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

Sample

DTC DETECTION LOGIC

| DTC No. | | CONSULT screen terms | DTC detection condition | |
|---------|----|----------------------|-------------------------|---|
| C1048 | 92 | Valve relay | Diagnosis condition | <ul style="list-style-type: none">Power switch ON.When the power supply voltage is normal. |
| | | | Signal (terminal) | — |
| | | | Threshold | When a malfunction is detected in valve relay. |
| | | | Diagnosis delay time | 2 seconds 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 connectorABS actuator and electric unit (control unit) power supply systemFuseFusible link12V battery | <ul style="list-style-type: none">Harness or connectorABS actuator and electric unit (control unit)ABS actuator and electric unit (control unit) power supply systemFuseFusible link12V battery |

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

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

 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 “C1048-92” 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>>

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NO>>

Repair / replace harness or connector, securely lock the connector. [GO TO 2.](#)

2. PERFORM SELF-DIAGNOSIS

 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 “C1048-92” detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

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

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

DTC DETECTION LOGIC

| DTC No. | | CONSULT screen terms | DTC detection condition | |
|---------|----|----------------------|-------------------------|--|
| C1041 | 55 | Configuration | Diagnosis condition | <ul style="list-style-type: none">Power switch is ON.When the power supply voltage is normal. |
| | | | Signal (terminal) | — |
| | | | Threshold | When not programing is not complete. |
| | | | 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 |
|----------------------------|----------------------------|
| Programing is not complete | Programing is not complete |

FAIL-SAFE

Normal control

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.

>>

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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 "C1041-55" 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 PROGRAMING

Perform programming of ABS actuator and electric unit (control unit). Refer to [Work Procedure](#).

CAUTION:

Do not replace the ABS actuator and electric unit (control unit) until self-diagnosis has been completed.

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2. PERFORM SELF-DIAGNOSIS

 With CONSULT

Replace the ABS actuator and electric unit (control unit) even if other DTCs are displayed along with “C1041-55” in self-diagnosis for “ABS”.

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

DTC DETECTION LOGIC

| DTC No. | | CONSULT screen terms | DTC detection condition | |
|---------|----|-------------------------|-------------------------|---|
| C1049 | 04 | Front left ABS IN valve | Diagnosis condition | <ul style="list-style-type: none">Power switch ON.When the power supply voltage is normal. |
| | | | Signal (terminal) | — |
| | | | Threshold | When a malfunction is detected in front left ABS IN 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">Harness or connectorABS actuator and electric unit (control unit) power supply systemFuseFusible link12V battery | <ul style="list-style-type: none">Harness or connectorABS actuator and electric unit (control unit)ABS actuator and electric unit (control unit) power supply systemFuseFusible link12V battery |

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