

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.

1996 NISSAN Terrano II 3 Doors OEM Service and Repair Workshop Manual

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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 | |
|---------|----|----------------------|-------------------------|---|
| C1080 | 86 | ECM | 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 VCM system. |
| | | | 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 connector • CAN communication line • ABS actuator and electric unit (control unit) power supply system • Fuse • Fusible link • 12V battery | <ul style="list-style-type: none"> • Harness or connector • CAN communication line • VCM • 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.

- 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

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 “C1080-86” 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 VCM SYSTEM

 With CONSULT

Perform self-diagnosis for “EV/HEV”.

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

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

1. Disconnect 12V battery negative terminal.
2. Disconnect VCM harness connector.
3. Check the VCM harness connector for disconnection or looseness.
4. Check the VCM 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>>

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

4. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Connect VCM 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

Sample

DTC DETECTION LOGIC

| DTC No. | | CONSULT screen terms | DTC detection condition | |
|---------|----|-------------------------------|-------------------------|---|
| C1082 | 86 | CAN communication error (TCM) | 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 VCM system. |
| | | | 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 connector CAN communication line ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery | <ul style="list-style-type: none"> Harness or connector CAN communication line VCM ABS actuator and electric unit (control unit) ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery |

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- VDC function
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1. PRECONDITIONING

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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:
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3. Power switch ON without depressing the brake pedal.

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Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “C1082-86” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

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To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

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Confirmation after repair: INSPECTION END

1. CHECK VCM SYSTEM

 With CONSULT

Perform self-diagnosis for “EV/HEV”.

Is DTC detected?

YES>>

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

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[GO TO 2.](#)

2. 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>>

[GO TO 3.](#)

NO>>

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

3. CHECK CONNECTOR AND TERMINAL

1. Disconnect 12V battery negative terminal.
2. Disconnect VCM harness connector.
3. Check the VCM harness connector for disconnection or looseness.
4. Check the VCM 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>>

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

4. PERFORM SELF-DIAGNOSIS

 With CONSULT

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INSPECTION END