

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.

1990 NISSAN Terrano 5 Doors OEM Service and Repair Workshop Manual

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YES>>

Replace the electrically-driven intelligent brake unit. Refer to [Removal and Installation](#).

NO>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
B14E2	1C	Wheel sensor	1	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When front left wheel sensor power supply voltage is 6.7 V or less.
				Diagnosis delay time	1 second or less
			2	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When an open circuit is detected in rear left wheel sensor circuit (power supply line).
				Diagnosis delay time	1 second or less
			3	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When short circuit to ground side is detected in rear left wheel sensor circuit (power supply line).
				Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Harness or connector
- Rear left wheel sensor
- Electrically-driven intelligent brake unit
- Electrically-driven intelligent brake unit power supply

FAIL-SAFE

The following functions are suspended.

- Cooperative regenerative brake function
- e-Step 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.

CAUTION:
Never operate the vehicle.

>>

[GO TO 2.](#)

2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

2. Power switch OFF and disconnect CONSULT from data link connector.
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. Erase self-diagnosis result for “BRAKE”.
6. Power switch OFF and disconnect CONSULT from data link connector.
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 “BRAKE”.

Is DTC “B14E2-1C” detected?

YES>>

Refer to [DTC Diagnosis Procedure](#).

NO-1>>

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

NO-2>>

Confirmation after repair: INSPECTION END

Sample

CAUTION:

Never check between wheel sensor harness connector terminals.

1. CHECK 12V BATTERY

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Check the 12V battery terminal connections.
4. Check the 12V battery.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace error-detected parts. [GO TO 2.](#)

2. PERFORM SELF-DIAGNOSIS (1)

 With CONSULT

1. Connect 12V battery cable to negative terminal.
2. Power switch OFF to ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

3. Power switch OFF and disconnect CONSULT from data link connector.
4. 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.

5. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

6. Erase self-diagnosis result for "BRAKE".
7. Power switch OFF and disconnect CONSULT from data link connector.
8. 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.

9. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

10. Perform self-diagnosis for "BRAKE".

Is DTC "B14E2-1C" detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

3. CHECK WHEEL SENSOR

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery negative terminal.
4. Check the rear left wheel sensor for damage.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

[GO TO 4.](#)

4. REPLACE WHEEL SENSOR (1)

 With CONSULT

1. Replace the rear left wheel sensor. Refer to [REAR WHEEL SENSOR : Removal & Installation](#).
2. Connect 12V battery negative terminal.
3. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Power switch OFF and disconnect CONSULT from data link connector.
5. 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.

6. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

7. Erase self-diagnosis result for "BRAKE".
8. Power switch OFF and disconnect CONSULT from data link connector.
9. 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.

10. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

11. Perform self-diagnosis for "BRAKE".

Is DTC "B14E2-1C" detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

5. CHECK CONNECTOR

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery negative terminal.
4. Check the electrically-driven intelligent brake unit harness connector for disconnection or looseness.
5. Check the rear left wheel sensor harness connector for disconnection or looseness.

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Repair / replace harness or connector, securely lock the connector. [GO TO 6.](#)

6. PERFORM SELF-DIAGNOSIS (2)

 With CONSULT

1. Connect 12V battery negative terminal.
2. Power switch OFF to ON without depressing the brake pedal.

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

3. Power switch OFF and disconnect CONSULT from data link connector.
4. 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.

5. Power switch ON without depressing the brake pedal.

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

6. Erase self-diagnosis result for “BRAKE”.
7. Power switch OFF and disconnect CONSULT from data link connector.
8. 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.

9. Power switch ON without depressing the brake pedal.

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

10. Perform self-diagnosis for “BRAKE”.

Is DTC “B14E2-1C” detected?

YES>>

[GO TO 7.](#)

NO>>

INSPECTION END

7. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT POWER SUPPLY AND GROUND CIRCUIT

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery negative terminal.
4. Disconnect electrically-driven intelligent brake unit harness connector.
5. Check the electrically-driven intelligent brake unit power supply and ground circuit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

[GO TO 8.](#)

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link. [GO TO 8.](#)

8. PERFORM SELF-DIAGNOSIS (3)

 With CONSULT

1. Power switch OFF to ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

2. Power switch OFF and disconnect CONSULT from data link connector.
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. Erase self-diagnosis result for “BRAKE”.
6. Power switch OFF and disconnect CONSULT from data link connector.
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 “BRAKE”.

Is DTC “B14E2-1C” detected?

YES>>