

# 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.

## 1993 NISSAN Terrano 3 Doors OEM Service and Repair Workshop Manual

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## 6. PERFORM SELF-DIAGNOSIS (3)

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 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 OFF to 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 OFF to ON without depressing the brake pedal.

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

9. Perform self-diagnosis for "BRAKE".

Is DTC "C18FC-18" detected?

YES>>

[GO TO 7.](#)

NO>>

INSPECTION END

## 7. CHECK DATA MONITOR

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 With CONSULT

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

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

2. Select "BRAKE", "Data monitor" according to this order.

3. Check "Temperature 1" and "Temperature 2". Refer to [Values On The Diagnosis Tool](#).

Is "Temperature " -50°C (-58°F) or less, or 125°C (257°F) or more?

YES>>

[GO TO 8.](#)

NO>>

[GO TO 9.](#)

## 8. CHECK MOTOR ROOM

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Check for any locations of abnormal heating around the electrically-driven intelligent brake unit.

Are there any heated locations?

YES>>

Perform diagnosis of the heated locations, and wait for the temperature to fall. [GO TO 9.](#)

NO>>

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

## 9. PERFORM SELF-DIAGNOSIS (4)

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 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 OFF to 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 OFF to ON without depressing the brake pedal.

**CAUTION:**

**Never set the vehicle to READY.**

9. Perform self-diagnosis for “BRAKE”.

Is DTC "C18FC-18" detected?

YES>>

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

NO>>

INSPECTION END

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
C18FC	19	Temperature sensor	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	—
				Threshold	When a malfunction is detected in temperature sensor [-43.6°C (-46.48°F) or less].
				Diagnosis delay time	1 second or less
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	—
				Threshold	When a malfunction is detected in temperature sensor [169°C (336.2°F) or more].
				Diagnosis delay time	1 second or less

## POSSIBLE CAUSE

Electrically-driven intelligent brake unit

## FAIL-SAFE

The following functions are suspended.

- Cooperative regenerative brake function
- e-Step function

## 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.


**CAUTION:**  
Never operate the vehicle.

>>

[GO TO 2.](#)

## 2. CHECK DTC DETECTION

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 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 “C18FC-19” 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

## 1. CHECK 12V BATTERY

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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)

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 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 OFF to 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 OFF to ON without depressing the brake pedal.

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

10. Perform self-diagnosis for "BRAKE".

Is DTC "C18FC-19" detected?

YES>>

[GO TO 3.](#)

NO>>

INSPECTION END

### 3. CHECK CONNECTOR TERMINALS

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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 cable from negative terminal.
4. Disconnect electrically-driven intelligent brake unit harness connector, then check for malfunctions of terminals and connections.

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

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

### 4. PERFORM SELF-DIAGNOSIS (2)

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 With CONSULT

1. Connect electrically-driven intelligent brake unit harness connector.
2. Connect 12V battery cable to 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 OFF to 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 OFF to ON without depressing the brake pedal.

**CAUTION:**

**Never set the vehicle to READY.**

11. Perform self-diagnosis for "BRAKE".

Is DTC "C18FC-19" detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

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

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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 cable from 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 6.](#)

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link. [GO TO 6.](#)