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1999 CHEVROLET Blazer 3 doors OEM Service and Repair Workshop Manual

Go to manual page

- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON.
2. Verify no additional DTCs are set in other control modules.
   - **If additional DTCs are set**

     Refer to Diagnostic Trouble Code (DTC) List - Vehicle.
   - **If no additional DTCs are set**
3. Verify DTC C028E is not set.
   - **If the DTC is set**

     Refer to Circuit/System Testing.
   - **If the DTC is not set**
4. All OK.

Circuit/System Testing

1. Ignition OFF and all vehicle systems OFF, disconnect the harness at the K83 Parking Brake Control Module. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal H and ground.
   - **If 10 Ω or greater**

     1. Ignition OFF.
     2. Test for less than 2 Ω in the ground circuit end to end.
   - If 2 Ω or greater, repair the open high/resistance in the circuit.
   - If less than 2 Ω, repair open high/resistance in the ground connection.
   - **If less than 10 Ω**
3. Ignition ON.

YOUR CURRENT VEHICLE

DTC C0293

DTC C0293

Diagnostic Instructions

- Perform the Diagnostic System Check - Vehicle prior to using this diagnostic procedure.
- Review Strategy Based Diagnosis for an overview of the diagnostic approach.
- Diagnostic Procedure Instructions provide an overview of each diagnostic category.

DTC Descriptors

DTC C0293 00	Park Brake Switch Circuit Malfunction
DTC C0293 01	Park Brake Switch Circuit Short to Battery
DTC C0293 02	Park Brake Switch Circuit Short to Ground
DTC C0293 04	Park Brake Switch Circuit Open
DTC C0293 08	Park Brake Switch Circuit Performance – Signal Invalid

Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Park Brake Switch Supply Voltage Terminal N	C0298 08	C0298 08	—	C0293 08, C0298 08

The parking brake control module detects a short to battery..

DTC C0293 02

The parking brake control module detects a short to ground.

DTC C0293 04

The parking brake control module detects an open circuit.

DTC C0293 08

The parking brake control module detects the apply or release button was activated for more than 90 seconds.

Action Taken When the DTC Sets

- The parking brake is disabled.
- A message and/or a warning indicator may be displayed.

Conditions for Clearing the DTC

- The parking brake control module will clear the DTC after 40 consecutive ignition on/off cycles with at least one test pass in each ignition cycle and no test fail result.
- The condition for the DTC is no longer present.
- The park brake control switch button is INACTIVE using the scan tool without the switch being activated.

Reference Information

Schematic Reference

Park Brake System Schematics

Connector End View Reference

Master Electrical Component List

Description and Operation

Electronic Parking Brake Description

Electrical Information Reference

- Circuit Testing
- Connector Repairs

Repair the short to voltage on the circuit.

- **If less than 1 V**

3. Ignition OFF.

4. Test for infinite resistance between the circuit terminals listed below and ground:

   - Terminal B
   - Terminal C
   - Terminal D
   - Terminal N
   - Terminal R
   - Terminal S

   - **If less than infinite resistance**

     Repair the short to ground on the circuit.

   - **If infinite resistance**

5. Test for less than 5 Ω between the circuit terminal D and the circuit terminal R.

   - **If 5 Ω or greater**

     1. Ignition OFF, disconnect the harness connector at the S91 Park Brake Control Switch.
     2. Test for less than 2 Ω in the circuits end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, replace the S91 Park Brake Control Switch.

   - **If less than 5 Ω**

6. Test for less than 5 Ω between the circuit terminal B and the circuit terminal S.

   - **If 5 Ω or greater**

     1. Ignition OFF, disconnect the harness connector at the S91 Park Brake Control Switch.
     2. Test for less than 2 Ω in the circuits end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, replace the S91 Park Brake Control Switch.

   - **If less than 5 Ω**