

GENERIC · CHASSIS

C0089

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0089

TCS Disable Switch

C0089 indicates that the traction control system (TCS) disable switch circuit has a fault, meaning the computer has detected an unexpected voltage or signal from the switch that drivers use to turn traction control off. The TCS module expects a specific voltage when the switch is pressed or released, and this code sets when the signal falls outside the expected range for a calibrated time.

SYSTEM

Chassis

CODE TYPE

Generic (all makes)

SEVERITY

Low

FIX DIFFICULTY

Intermediate

AREA

Brakes, steering and suspension

Symptoms you may notice

- Traction control warning light illuminated on the dashboard
- Traction control system remains active and cannot be turned off when the switch is pressed
- Traction control system stays off and cannot be re-enabled
- Often no symptoms besides the warning light
- ABS light may also illuminate if the systems share a module
- Cruise control may become inoperative on some vehicles

Common causes, most likely first

- 1 Faulty TCS disable switch (internal contact failure or stuck button)
- 2 Damaged or disconnected wiring harness at the switch connector
- 3 Corroded or loose electrical connector pins at the switch or module
- 4 Open or short circuit in the switch ground or signal wire
- 5 Failed traction control module (less common)
- 6 Blown fuse or poor ground connection affecting the switch circuit

How to diagnose and fix it

- 1 Verify the fault with a scan tool by reading live data from the TCS disable switch while pressing and releasing it
- 2 Inspect the switch connector and wiring for corrosion, damage, or loose pins
- 3 Test the switch continuity with a multimeter according to the service information
- 4 Check the ground circuit for the switch and repair any excessive resistance
- 5 Check for continuity and shorts in the signal wire between the switch and the TCS module
- 6 Replace the TCS disable switch if it fails the continuity test
- 7 Clear the code and verify the repair by cycling the switch and confirming the light operates correctly



Why the TCS switch code misleads

- A stuck or sticky switch button is a common cause that drivers overlook because the button still clicks when pressed.
- The code can set intermittently due to a loose connector that only loses contact over bumps or during temperature changes.
- Some vehicles use the same switch for multiple functions, so a fault in the switch can also affect other systems like hill descent control.
- A weak battery or charging system problem can cause false switch codes by disrupting module voltage during startup.
- The TCS disable switch is often part of a larger switch panel, and replacing the entire panel is sometimes more cost-effective than repairing individual switches.

Can I keep driving with C0089?

The vehicle remains safe to drive because the traction control system defaults to its normal operating mode or may be disabled, but ABS and stability control are usually unaffected. Avoid aggressive driving or slippery conditions if the traction control warning light is on, as the system may not intervene as designed.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Trim removal tool
- Electrical contact cleaner
- Service information or wiring diagram

Reading C0089

- C** Chassis: brakes, steering and suspension.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 0** Brakes, steering and suspension.
- 89** The exact fault within that area.

Often seen with

C0090 Hydraulic Brake Pressure Sensor Circuit · **C0091** Hydraulic Brake Pressure Sensor Circuit Range/Performance · **C0092** 4WD/AWD Power Transfer Unit Position Sensor B · **C0093** 4WD/AWD Power Transfer Unit Temperature Sensor



See it working

Watch the animated explainer [How a Supercharger Works: Roots Blower in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0089/>

