

GENERIC · POWERTRAIN

P0795

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0795

Pressure Control Solenoid 'C'

P0795 indicates that the transmission control module has detected an electrical fault in the pressure control solenoid 'C' circuit, which is used to regulate hydraulic pressure inside the automatic transmission. The computer monitors the solenoid's electrical current and response, and it sets this code when the signal falls outside the expected range or the solenoid fails a continuity check.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Medium	Professional	Transmission

Symptoms you may notice

- Illumination of the check engine light or transmission warning light, often with no other noticeable symptoms
- Harsh or delayed gear shifts, especially when the transmission is cold
- The transmission may enter limp mode, sticking in a single gear or refusing to shift
- Slipping between gears or a flare during upshifts
- Poor fuel economy or unusual engine RPM at highway speeds
- In some cases, the vehicle may shudder or hesitate during acceleration

Common causes, most likely first

- 1 Faulty pressure control solenoid 'C' itself, due to internal winding failure or contamination
- 2 Damaged, chafed, or corroded wiring in the solenoid circuit, often near the transmission connector
- 3 Loose or dirty electrical connector at the solenoid or transmission case pass-through
- 4 Transmission fluid contamination or sludge blocking the solenoid valve, causing electrical feedback
- 5 Failed transmission control module (TCM) or internal driver circuit, though this is less common
- 6 Low transmission fluid level or degraded fluid affecting solenoid operation and pressure regulation

How to diagnose and fix it

- 1 Check transmission fluid level and condition; top off or replace fluid if it is low or burnt
- 2 Inspect the solenoid 'C' electrical connector and wiring for damage, corrosion, or loose pins
- 3 Measure the resistance of solenoid 'C' with a multimeter and compare to the manufacturer's specification
- 4 Test the solenoid circuit for shorts to ground or power using a wiring diagram and multimeter
- 5 If resistance is out of spec or the solenoid fails a functional test, replace the solenoid
- 6 Clear the code and perform a road test to verify the repair and ensure the code does not return
- 7 If the code persists after electrical checks, diagnose the TCM and internal transmission wiring



What the pressure control solenoid code hides

- A contaminated transmission fluid often causes solenoid 'C' to fail electrically, so replacing the solenoid without flushing the fluid can lead to repeat failure.
- The code can be set by a simple loose connector or chafed wire, so always inspect the harness before condemning the solenoid.
- Some vehicles use solenoid 'C' for multiple pressure control functions, so a failure may cause symptoms in several gear ranges rather than a single shift issue.
- A failing transmission control module can mimic a solenoid fault, but this is rare and should only be suspected after all electrical tests pass.
- Intermittent code P0795 may appear only when the transmission is hot or under load, making it important to test the circuit under those conditions.

Can I keep driving with P0795?

You can often drive with P0795 if the transmission shifts normally, but avoid aggressive acceleration or heavy towing until it is diagnosed. If the transmission enters limp mode or slips severely, stop driving and seek professional service to prevent internal damage.

Tools that help

- OBD-II scan tool with transmission code capability
- Digital multimeter
- Vehicle-specific wiring diagram
- Transmission fluid level dipstick or scan tool for fluid temperature
- Socket set and trim removal tools for connector access

Reading P0795

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
7	Transmission.
95	The exact fault within that area.

Often seen with

P0700 Transmission Control System Malfunction · **P0740** Torque Converter Clutch Circuit Malfunction · **P0796** Pressure Control Solenoid 'C' Performance or Stuck off · **P0797** Pressure Control Solenoid 'C' Stuck On · **P0798** Pressure Control Solenoid 'C' Electrical



See it working

Watch the animated explainer [How Hydraulic Brakes Work: Pedal to Caliper](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0795/>

