

GM · POWERTRAIN

P1763

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1763 · GM

Governor Pressure Sensor Voltage Too High

P1763 on a GM vehicle means the transmission control module (TCM) has detected a voltage signal from the governor pressure sensor that is higher than the expected range for the current operating conditions. The governor pressure sensor reports hydraulic pressure inside the transmission, and an excessively high voltage reading tells the TCM the pressure is abnormally high or the sensor circuit is faulty.

SYSTEM

Powertrain

CODE TYPE

GM specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Transmission

Symptoms you may notice

- Check engine light or transmission warning light illuminated on the dashboard
- Harsh or delayed shifts, especially when the transmission is cold
- Transmission may enter limp mode and stay in a single gear
- Erratic or inconsistent shift points during normal driving
- Often no symptoms besides the warning light, particularly if the fault is intermittent

Common causes, most likely first

- 1 Faulty governor pressure sensor sending an incorrect high-voltage signal
- 2 Damaged or chafed wiring in the governor pressure sensor circuit, shorting to voltage
- 3 Corroded or loose electrical connector at the sensor or transmission case pass-through
- 4 Internal transmission hydraulic restriction or stuck valve causing genuinely high governor pressure
- 5 Contaminated transmission fluid (ATF) affecting sensor operation or valve movement
- 6 Failed transmission control module (TCM) or internal fault in the transmission harness

How to diagnose and fix it

- 1 Scan all modules and record freeze-frame data for P1763 to confirm the fault conditions
- 2 Inspect the governor pressure sensor connector and wiring for corrosion, chafing, or loose pins
- 3 Check transmission fluid level and condition; service fluid if contaminated or burnt
- 4 Back-probe the sensor signal wire and compare voltage to the manufacturer's specification
- 5 Test the governor pressure sensor resistance and output with a scan tool or multimeter
- 6 If the sensor tests out of range, replace the governor pressure sensor and clear the code
- 7 If the sensor and wiring are good, perform a line pressure test and inspect valve body for stuck valves



What the code does not always mean

- A high voltage reading often comes from a shorted signal wire rather than a failed sensor, so inspect the harness before replacing parts.
- Genuine high governor pressure can be caused by a stuck pressure regulator valve or a restricted filter, which will set the code even with a new sensor.
- Intermittent P1763 codes frequently trace to a poor ground at the transmission case or a loose connector that only acts up when hot or vibrating.
- Some GM transmissions use a combined pressure switch manifold; a fault in an adjacent circuit can skew the governor pressure sensor reading and set P1763.
- Clearing the code without repairing the root cause often leads to repeat failures and eventually transmission damage from prolonged high pressure.

Can I keep driving with P1763?

You can drive cautiously to a repair shop if the transmission still shifts and the vehicle is not in limp mode, but avoid heavy acceleration, towing, or long trips until the fault is diagnosed. If the transmission is stuck in one gear or shifting harshly, stop driving and have it towed to prevent internal damage.

Tools that help

- OBD-II scan tool with transmission module capability
- Digital multimeter
- Transmission pressure gauge set
- Wire terminal pick and connector release tools
- Factory service information for voltage and resistance specifications

Reading P1763

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (GM): its meaning depends on the make.
7	Transmission.
63	The exact fault within that area.

Often seen with

P1762 Shift Lock Short To B+ · **P1762** Transmission SS3 SS4 OD Band Fault · **P1764** Low And Reverse Brake Failsafe Valve Malfunction · **P1762** Governor Pressure Sensor Offset Improper Voltage · **P1764** Governor Pressure Sensor Voltage Too Low · **P1762** Overdrive Band Failed Off · **P1762** Governor Pressure Sensor Offset Improper Voltage · **P1764** Governor Pressure Sensor Voltage Too Low · **P0715** Input/Turbine Speed Sensor Circuit Malfunction · **P0720** Output Speed Sensor Circuit Malfunction · **P0748** Pressure Control Solenoid 'A' Electrical



See it working

Watch the animated explainer [How a Car Clutch Works: Diaphragm Clutch Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/gm-p1763/>

