

GENERIC · POWERTRAIN

P2037

OBD-II TROUBLE CODE

P2037

Reductant Injection Air Pressure Sensor Circuit

P2037 indicates that the powertrain control module has detected an abnormal signal from the reductant injection air pressure sensor, which monitors the air pressure used to help inject diesel exhaust fluid into the exhaust stream. The computer compares the sensor's voltage or pressure reading against expected values and sets this code when the signal falls outside the valid range or fails a rationality check.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Fuel and air metering and auxiliary emission controls

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- Reduced engine power or limp mode triggered by the powertrain control module
- A message on the dash indicating low reductant or a fault in the emissions system
- Rough running or hesitation if the air pressure fault affects DEF injection quantity
- Increased diesel exhaust fluid consumption in some cases
- Failed emissions test due to an incomplete or failed monitor

Common causes, most likely first

- 1 Faulty reductant injection air pressure sensor
- 2 Damaged or corroded wiring or connector at the sensor
- 3 Leaking or restricted air pressure line to the sensor
- 4 Clogged or failed air pressure pump or compressor
- 5 Exhaust system blockage or restriction affecting air pressure
- 6 Powertrain control module software issue or internal fault



How to diagnose and fix it

- 1 Use a scan tool to verify the code and check live data for the air pressure sensor signal
- 2 Inspect the sensor wiring and connector for damage, corrosion, or loose pins
- 3 Check the air pressure lines for leaks, cracks, or blockages
- 4 Test the air pressure pump or compressor for proper operation and output
- 5 Compare sensor readings with a known good gauge or manual pressure test
- 6 Replace the air pressure sensor if it fails testing or shows erratic readings
- 7 Clear the code and perform a road test to confirm the repair and monitor readiness

Don't overlook the air pressure pump

- A weak or failing air pressure pump often causes this code without setting a pump-specific fault, so testing pump output is critical.
- The sensor may be misdiagnosed when a clogged DEF injector or restricted line causes pressure readings to fall out of range.
- Corroded connectors at the sensor are a common cause on vehicles exposed to road salt and moisture.
- After repairs, the reductant injection monitor may require a specific drive cycle to complete and turn off the light.
- This code does not always mean the sensor itself is bad; the PCM may set it due to a rationality error caused by another component in the air pressure system.

Can I keep driving with P2037?

It is generally safe to drive with P2037, but avoid heavy loads and long trips until diagnosed, as continued driving may lead to reduced power or increased emissions. If the engine enters limp mode, seek service promptly.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Hand vacuum/pressure pump with gauge
- Basic hand tools (sockets, wrenches, screwdrivers)
- Service information for the specific vehicle



Reading P2037

- P** Powertrain: engine, transmission and emissions.
- 2** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 0** Fuel and air metering and auxiliary emission controls.
- 37** The exact fault within that area.

Often seen with

P2036 Exhaust Gas Temperature Sensor Circuit High (Bank 2 Sensor 2) · **P2038** Reductant Injection Air Pressure Sensor Circuit Range/Perfor · **P2039** Reductant Injection Air Pressure Sensor Circuit Low Input · **P2040** Reductant Injection Air Pressure Sensor Circuit High Input · **P20A0** Reductant Purge Control Valve A Circuit/Open

See it working

Watch the animated explainer [Turbocharger Trainer: Boost, Wastegate and Intercooler](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p2037/>

