

GENERIC · POWERTRAIN

P2262

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P2262

Turbo Boost Pressure Not Detected - Mechanical

P2262 means the engine computer commanded the turbocharger to build boost pressure but the manifold pressure sensor did not register the expected increase. The computer has detected a mechanical fault in the boost control system, not an electrical sensor circuit failure.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Medium	Professional	Fuel and air metering (injector circuits)

Symptoms you may notice

- Illuminated check engine light, often with no other noticeable symptoms
- Reduced engine power or limp mode under acceleration
- Sluggish acceleration and poor throttle response
- Black smoke from the exhaust under load on diesel engines
- Increased fuel consumption
- Audible whistling or hissing from the engine bay during acceleration

Common causes, most likely first

- 1 Split, disconnected, or leaking charge-air hose or intercooler pipe
- 2 Sticking or seized turbocharger variable-geometry vanes or wastegate actuator
- 3 Faulty boost pressure sensor or MAP sensor reading low
- 4 Leaking or disconnected boost control solenoid vacuum lines
- 5 Restricted intake or clogged air filter causing low boost
- 6 Exhaust restriction upstream of the turbocharger, such as a blocked diesel particulate filter
- 7 Internal turbocharger damage such as worn compressor wheel or seized shaft

How to diagnose and fix it

- 1 Inspect all charge-air hoses, clamps, and intercooler connections for splits, looseness, or oil residue
- 2 Check the boost pressure sensor and MAP sensor readings with a scan tool against expected values
- 3 Test the boost control solenoid and its vacuum lines for leaks, blockage, or incorrect routing
- 4 Verify the wastegate or variable-geometry actuator moves freely through its full range
- 5 Perform a boost leak test by pressurizing the intake tract and listening for escaping air
- 6 Check for exhaust restrictions, including a clogged diesel particulate filter or collapsed catalytic converter
- 7 Remove and inspect the turbocharger for compressor or turbine damage if all external checks pass

Boost leaks often hide in plain sight

- A small split on the underside of a charge-air hose can bleed enough boost to set P2262 without making an obvious hissing noise.
- A sticking variable-geometry turbo mechanism is a leading cause on diesel engines and often sets this code before any drivability complaint appears.
- The boost pressure sensor can report low without setting its own circuit code, so comparing live sensor data to commanded boost is essential.
- P2262 does not always mean the turbocharger has failed; a loose clamp or cracked intercooler end tank can produce the same stored code.
- On some vehicles a clogged diesel particulate filter raises exhaust backpressure enough to prevent the turbo from spooling and triggers this code.

Can I keep driving with P2262?

You can usually drive gently to a repair shop, but avoid hard acceleration and heavy towing because low boost can cause excessive exhaust smoke and overheating. If the vehicle enters limp mode or you hear loud whistling, stop driving and have it inspected promptly.

Tools that help

- OBD-II scan tool with live data and boost pressure graphing
- Hand vacuum pump with gauge
- Boost leak tester or smoke machine
- Basic hand tools and socket set
- Flashlight and inspection mirror

Reading P2262

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

Often seen with

P0046 Turbo/Super Charger Boost Control Solenoid Circuit Range/Per · **P0234** Engine Overboost Condition · **P0299** Turbo/Supercharger Underboost · **P2263** Turbo/Super Charger Boost System Performance · **P2563** Turbocharger Boost Control Position Sensor Circuit Range/Per



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/p2262/>

