

GENERIC · POWERTRAIN

P062B

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P062B

Internal Control Module Fuel Injector Control Performance

P062B is a generic powertrain code that the engine control module (ECM) sets when its internal fuel injector control circuit does not perform as expected, meaning the ECM has detected a discrepancy between the commanded injector pulse and the feedback it monitors. The fault is stored in the ECM's memory and typically illuminates the check engine light, but the vehicle may continue to run normally or may develop drivability issues depending on the severity of the internal fault.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Computer and output circuits

Symptoms you may notice

- Check engine light illuminated, often with no other noticeable symptoms
- Rough idle or misfire that may be intermittent
- Reduced engine power or limp mode activation
- Poor fuel economy or increased fuel consumption
- Difficulty starting or stalling shortly after start-up
- Hesitation or stumble during acceleration

Common causes, most likely first

- 1 Faulty engine control module (ECM) internal injector driver circuit
- 2 Poor electrical connection or corrosion at the ECM harness connectors
- 3 Damaged or chafed wiring in the injector control circuit between the ECM and injectors
- 4 Failed fuel injector with an internal short or open coil
- 5 Low or unstable battery voltage affecting ECM operation
- 6 Aftermarket electronic modifications or poor grounds interfering with ECM signals



How to diagnose and fix it

- 1 Verify battery voltage and charging system output, as low voltage can trigger false ECM codes
- 2 Inspect and clean ECM harness connectors and grounds for corrosion or loose pins
- 3 Perform a wiggle test on the injector wiring harness while monitoring live data for injector pulse width
- 4 Check fuel injector resistance and compare to manufacturer specifications
- 5 Use a noid light or oscilloscope to verify injector control signals from the ECM
- 6 Reprogram or update the ECM software if a known calibration issue exists
- 7 Replace and reprogram the ECM if internal driver failure is confirmed

When the ECM itself is the culprit

- A weak or failing battery or alternator can cause the ECM to set P062B intermittently, so always rule out charging system issues before condemning the module.
- Corroded or loose ECM connectors are a frequent cause that mimics an internal ECM failure, and a simple connector cleaning often resolves the code.
- Aftermarket piggyback tuners or poor ground connections can introduce electrical noise that the ECM interprets as an injector control fault.
- P062B can be stored alongside misfire codes, but replacing injectors without verifying the control circuit may not fix the underlying ECM driver issue.
- Some vehicles require ECM reprogramming or replacement with a new unit that must be flashed with the correct calibration, so verify software updates first.

Can I keep driving with P062B?

If the vehicle runs normally, you can drive it cautiously to a repair shop, but avoid heavy acceleration or long trips. If the engine is misfiring, stalling, or in limp mode, stop driving and have it towed to prevent further damage or safety risk.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Oscilloscope or noid light
- Electrical contact cleaner and dielectric grease
- Factory service information for wiring diagrams and ECM pinouts



Reading P062B

- P** Powertrain: engine, transmission and emissions.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 6** Computer and output circuits.
- 2B** The exact fault within that area.

Often seen with

P0200 Injector Circuit Malfunction · **P0300** Random/Multiple Cylinder Misfire Detected · **P0351** Ignition Coil A Primary/Secondary Circuit Malfunction · **P0601** Internal Control Module Memory Checksum Error · **P0620** Generator Control Circuit Malfunction

See it working

Watch the animated explainer **V6 Engine Explained: 60° Bank and Firing Order** on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p062b/>

