

JAGUAR · POWERTRAIN

P1400

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1400 · Jaguar

Exhaust Gas Recirculation Valve Position Control

P1400 on Jaguar vehicles indicates that the engine control module has detected a fault in the exhaust gas recirculation valve position control circuit, meaning the valve is not moving to or holding the position the computer commands. The code is stored when the feedback signal from the EGR valve position sensor does not match the expected value during a self-test or commanded movement.

SYSTEM

Powertrain

CODE TYPE

Jaguar specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Auxiliary emission controls

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- Rough idle or stumbling when the engine is cold
- Slight hesitation or surge during light acceleration
- Increased exhaust emissions, which may be noticed at inspection time
- In some cases, a drop in fuel economy or a faint sulfur smell from the exhaust

Common causes, most likely first

- 1 Carbon buildup on the EGR valve pintle or seat causing the valve to stick
- 2 Failed EGR valve position sensor or faulty internal electronics
- 3 Wiring damage or corrosion in the EGR valve control circuit
- 4 Vacuum supply leak or faulty vacuum modulator on vacuum-operated EGR systems
- 5 Clogged EGR passages in the intake manifold or valve body
- 6 Faulty engine control module software or calibration (less common)

How to diagnose and fix it

- 1 Connect a scan tool and verify the EGR valve commanded versus actual position to confirm the fault
- 2 Inspect the EGR valve wiring harness and connector for chafing, corrosion, or loose pins
- 3 Remove the EGR valve and check for carbon deposits; clean the pintle and seat if fouled
- 4 Test the EGR valve position sensor with a multimeter for smooth resistance change through the travel range
- 5 Check vacuum supply and modulator operation on vacuum-actuated EGR systems
- 6 Replace the EGR valve assembly if cleaning and electrical checks do not restore correct position feedback
- 7 Clear the code and perform a road test to confirm the repair and that no pending codes return



What most technicians overlook on P1400

- Carbon fouling is the most common cause on Jaguar V8 and V6 engines, but many technicians replace the valve without first cleaning the intake passages, which leads to repeat failures.
- A sticking EGR valve can set P1400 without ever triggering a drivability complaint, so the code alone does not prove the valve is electrically failed.
- The position sensor inside the EGR valve often fails intermittently when hot, so a cold static test may pass while the fault only appears during a hot idle or drive cycle.
- On some Jaguar models, a weak battery or poor ground can cause the EGR position feedback to drop out momentarily, setting P1400 even though the valve is mechanically sound.
- After replacing the EGR valve, the engine control module may require a relearn or adaptation reset; skipping this step can leave the code stored or cause a new pending fault.

Can I keep driving with P1400?

You can usually continue driving with P1400, but avoid long periods of idling and heavy acceleration until the fault is repaired, as a stuck EGR valve can cause rough running and increased emissions. If the check engine light begins flashing or the engine runs very poorly, stop driving and have the vehicle inspected promptly.

Tools that help

- OBD-II scan tool with live data and bidirectional control
- Digital multimeter
- Hand tools for removing the EGR valve (sockets, wrenches, screwdrivers)
- Carburetor or EGR cleaner and soft brushes
- Vacuum pump with gauge (for vacuum-operated EGR systems)

Reading P1400

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Jaguar): its meaning depends on the make.
4	Auxiliary emission controls.
00	The exact fault within that area.

Often seen with

P1401 EGR Valve Power Stage Short To Ground · **P1401** Sub-Throttle Position Sensor Range Performance Problem · **P1401** Fuel Tank Pressure Control System Performance · **P1401** EGR Temperature Sensor · **P1401** EGR Lifting Sender B283 · **P1401** DPFE Sensor Circuit High Input · **P1401** EGR Control Solenoid Circuit Signal Low · **P1401** Exhaust Gas Recirculation Valve Position Circuit · **P1401** Differential Pressure Feedback Electronic Sensor Circuit High · **P1401** Heated Catalyst Current Too High During Heating Bank 1 · **P0400** Exhaust Gas Recirculation Flow Malfunction · **P0401** EGR Flow Insufficient Detected · **P0402** EGR Flow Excessive Detected · **P0443** EVAP Purge Control Valve Circuit Malfunction

See it working

Watch the animated explainer **Four-Stroke Engine Cutaway: Intake to Exhaust** on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/jaguar-p1400/>

