AUTO VETERAN

OBD-II DIAGNOSTIC TROUBLE CODE (DTC) REPORT

JAGUAR · POWERTRAIN

P1726

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1726 · Jaguar

Engine Overspeed

P1726 on a Jaguar indicates the engine control module (ECM) has detected an engine speed exceeding the manufacturer's safe limit, typically due to a mechanical over-rev or a faulty signal from the crankshaft position sensor. The ECM stores this code when the calculated engine speed (RPM) surpasses the threshold for a calibrated time, often triggering a limp mode to protect the powertrain.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	**Jaguar specific**	**Medium**	**Intermediate**	**Transmission**

Symptoms you may notice

- Engine warning light illuminated, often with no other noticeable symptoms
- Engine enters limp mode, limiting RPM and power
- Rough running or misfire at high RPM
- Transmission may refuse to upshift or downshift abruptly
- Stalling or difficulty restarting after the event
- Audible over-revving or missed shift (in manual transmission cars)

Common causes, most likely first

1. Faulty crankshaft position sensor or damaged reluctor ring
2. Wiring harness damage or poor connection at the crankshaft sensor
3. Mechanical over-rev caused by missed gear or aggressive downshift
4. Engine control module (ECM) software glitch or internal fault
5. Aftermarket tuning or remapping that raised the rev limiter
6. Contaminated or failing camshaft position sensor (less common)

How to diagnose and fix it

1. Scan all modules for stored and pending codes, and record freeze-frame data to confirm the RPM at fault
2. Visually inspect the crankshaft position sensor and its wiring for damage, corrosion, or loose connectors
3. Check the reluctor ring on the crankshaft pulley for cracks, missing teeth, or debris
4. Perform a resistance and signal test on the crankshaft sensor using a multimeter or oscilloscope
5. Verify the ECM software is up to date and check for any aftermarket tuning that may have altered the rev limit
6. If the sensor and wiring are good, perform a road test with live data to monitor RPM signal consistency
7. Replace the crankshaft position sensor if faulty, clear the code, and re-test; if the code persists, diagnose the ECM

Over-Rev Code Often Misdiagnosed

- A dirty or damaged crankshaft reluctor ring can produce erratic RPM signals that the ECM interprets as an overspeed event, even when the engine never actually exceeded the limit.
- On some Jaguar models, a low battery or voltage spike during cranking can cause a false P1726 by disrupting the ECM's self-test; always check battery health before replacing sensors.
- Aftermarket alarm or remote start systems that tap into the crankshaft sensor wiring can introduce interference and trigger this code intermittently.
- A sticking throttle body or faulty accelerator pedal sensor can cause unintended acceleration and a genuine overspeed, so these should be ruled out before condemning the ECM.
- The code may be stored alongside transmission codes (e.g., P0729) if the overspeed was caused by a missed shift, so always check all modules for related faults.

Can I keep driving with P1726?

> If the engine warning light is on but the car drives normally, you can drive cautiously to a workshop, avoiding hard acceleration and high RPM. If the engine is in limp mode or running poorly, stop driving and have the vehicle towed to prevent further damage.

Tools that help

- OBD-II scanner with live data and freeze-frame capability
- Digital multimeter
- Oscilloscope (for signal analysis)
- Basic hand tools (socket set, screwdrivers)
- Feeler gauge (for sensor gap check)
- Jaguar-specific diagnostic software (e.g., SDD)

Reading P1726

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

Often seen with

P1235 Fuel Pump Control Circuit · **P1235** VSV 1/2/3 Circuit Range Performance · **P1235** Fuel Pump Control Out of Range · **P0335** Crankshaft Position Sensor A Circuit Malfunction · **P0336** Crankshaft Position Sensor A Circuit Range/Performance · **P0700** Transmission Control System Malfunction · **P0729** Gear 6 Incorrect Ratio

See it working

Watch the animated explainer **How a Radiator Fan Relay Circuit Works** on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: https://www.autoveteran.tech/dtc-codes/jaguar-p1726/