

JAGUAR · POWERTRAIN

P1475

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1475 · Jaguar

Fan Relay Low Circuit

P1475 on a Jaguar indicates that the engine control module (ECM) has detected a low-side circuit fault in the cooling fan relay control circuit, meaning the relay coil's ground path is open, shorted to ground, or drawing abnormal current. The ECM monitors the relay control wire and sets this code when the voltage on the low side falls outside the expected range during the relay's commanded on or off state.

SYSTEM

Powertrain

CODE TYPE

Jaguar specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Auxiliary emission controls

Symptoms you may notice

- Illuminated check engine light, often with no other noticeable symptoms
- Cooling fan may run continuously even with the engine cold or off
- Cooling fan may fail to run at all, leading to engine overheating in traffic
- Air conditioning performance may degrade because the condenser fan does not activate
- In some cases, a faint click or no click from the relay area when the fan should engage

Common causes, most likely first

- 1 Failed cooling fan relay with an open or shorted coil
- 2 Corroded, loose, or damaged electrical connector at the fan relay or ECM
- 3 Broken or chafed wire in the relay low-side control circuit (ground side)
- 4 Faulty engine control module (ECM) driver for the fan relay circuit
- 5 Poor ground connection for the relay coil or the ECM itself
- 6 Aftermarket alarm or remote start wiring tapped into the fan circuit



How to diagnose and fix it

- 1 Verify the stored code and check for any related fan or cooling system codes using a scan tool
- 2 Inspect the cooling fan relay, its socket, and associated fuses for corrosion, looseness, or burn marks
- 3 Test the relay coil resistance and confirm it clicks when 12 volts is applied across the coil terminals
- 4 Back-probe the relay low-side control wire at the ECM and check for continuity to ground with the relay commanded on
- 5 Inspect the wiring harness between the relay and ECM for chafing, pinching, or corrosion, especially near the fan shroud and body seams
- 6 Check the ECM ground points for cleanliness and tightness, and verify battery voltage and charging system health
- 7 If all wiring and the relay test good, substitute a known-good ECM or perform a driver circuit test to confirm ECM failure

Fan relay low circuit traps to avoid

- A relay that clicks does not guarantee a good low-side circuit; the ECM may still see incorrect voltage on the control wire and set P1475.
- Corrosion inside the relay socket often mimics a failed relay, so always inspect the terminals before replacing parts.
- Aftermarket accessories wired into the fan circuit can back-feed the control wire and trigger this code without any factory component failure.
- On some Jaguar models, the cooling fan relay is controlled by a dedicated module rather than the ECM directly, so check the wiring diagram for your specific model year.
- P1475 can be set intermittently by a loose ground that only acts up when the engine bay is hot, so wiggle-test the harness while monitoring live data.

Can I keep driving with P1475?

You can drive short distances with P1475 if the cooling fan still runs when needed, but avoid heavy traffic, prolonged idling, or hot ambient conditions until the fault is repaired. If the fan never engages and coolant temperature rises above normal, stop driving to prevent engine damage.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Relay puller or small flat-blade screwdriver
- Wire probe set and jumper wires
- Factory service information or wiring diagram for the specific Jaguar model



Reading P1475

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

Often seen with

P1474 Low Fan Control Primary Circuit · **P0480** Cooling Fan 1 Control Circuit Malfunction · **P0481** Cooling Fan 2 Control Circuit Malfunction · **P0691** Fan 1 Control Circuit Low · **P0692** Fan 1 Control Circuit High

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-p1475/>

