

VOLKSWAGEN · POWERTRAIN

P1462

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1462 · Volkswagen

Exhaust Gas Temperature Control Bank 2 Range Performance

P1462 on Volkswagen vehicles indicates that the engine control module has detected an out-of-range performance from the bank 2 exhaust gas temperature control system, which typically manages the temperature of the exhaust after-treatment components on that cylinder bank. The computer compares the measured exhaust gas temperature against a modeled expectation and flags this code when the control circuit cannot achieve the commanded temperature regulation within its calibrated limits.

SYSTEM

Powertrain

CODE TYPE

Volkswagen 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
- Reduced engine power or limp mode in some models when the fault is active
- Slightly increased fuel consumption due to altered exhaust temperature management
- In rare cases, a burning or hot exhaust smell if the temperature control is stuck
- Intermittent warning light that may clear after a key cycle and return under similar driving conditions

Common causes, most likely first

- 1 Faulty exhaust gas temperature sensor on bank 2 providing an inaccurate signal
- 2 Damaged or corroded wiring and connector pins at the bank 2 EGT sensor or control module
- 3 Failed exhaust gas temperature control valve or flap actuator that cannot regulate flow
- 4 Carbon buildup or mechanical sticking in the exhaust temperature control flap assembly
- 5 Software calibration issue in the engine control module requiring a reflash or update
- 6 Failed engine control module driver circuit for the bank 2 temperature control output



How to diagnose and fix it

- 1 Connect a scan tool and verify P1462 is current, then check freeze-frame data for bank 2 exhaust gas temperature and control commanded value
- 2 Visually inspect the bank 2 exhaust gas temperature sensor, its wiring harness, and connectors for chafing, corrosion, or loose pins
- 3 Measure the resistance of the bank 2 EGT sensor and compare it to the manufacturer's specification for the current temperature
- 4 Command the exhaust gas temperature control actuator with the scan tool and observe whether the flap or valve moves smoothly through its range
- 5 Check for carbon deposits or mechanical binding in the exhaust temperature control flap and clean or repair as needed
- 6 Verify the engine control module has the latest software calibration and reflash if a known update applies
- 7 If all electrical and mechanical checks pass, perform a guided diagnostic for the EGT control circuit and replace the faulty sensor or actuator as indicated

What Most Techs Miss on P1462

- A dirty or failing mass airflow sensor can skew the modeled exhaust temperature and trigger P1462 even when the EGT sensor and control flap are working correctly.
- On many Volkswagen models, the bank 2 EGT sensor connector sits close to the turbocharger heat shield and suffers heat-related pin tension loss that a simple wiggle test will not reveal.
- P1462 can be set by a sticking exhaust gas recirculation valve that alters exhaust temperature on bank 2, so do not overlook EGR performance when diagnosing this code.
- A weak battery or poor ground connection at the engine block can cause intermittent EGT control faults that disappear after a charging system repair.
- Replacing the EGT sensor without checking the control flap actuator travel often leads to a repeat code because the actuator is the actual failed component.

Can I keep driving with P1462?

You can usually continue driving with P1462 if the engine runs normally and the light is steady, but avoid sustained high-load or towing situations until the fault is repaired. If the light flashes or you notice reduced power, have the vehicle checked promptly to prevent damage to the exhaust after-treatment system.

Tools that help

- OBD-II scan tool with manufacturer-specific software
- Digital multimeter
- Infrared thermometer
- Socket and wrench set
- Wiring diagram for the bank 2 EGT circuit



Reading P1462

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

Often seen with

P1461 Exhaust Gas Temperature Control Bank 1 Range Performance · **P1461** Air Conditioning Pressure Sensor Circuit Low Input · **P1463** Air Conditioning Pressure Sensor Insufficient Pressure Chang · **P1461** Heated Catalyst Gate Voltage Signal Low · **P1463** Heated Catalyst Battery Temperature Sensor 1 Electrical · **P0544** Exhaust Gas Temperature Sensor Circuit (Bank 1 Sensor 1) · **P0545** Exhaust Gas Temperature Sensor Circuit Low (Bank 1 Sensor 1) · **P2033** Exhaust Gas Temperature Sensor Circuit High (Bank 1 Sensor 2)

See it working

Watch the animated explainer [How a Helicopter Flies: Rotor and Tail in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/volkswagen-p1462/>

