

P2198

Lambda correction downstream, bank 1 – rich/lean control limit exceeded

NOTE

- Diagnosis detects a deviation between the lambda value measured by the oxygen sensor upstream and the value measured by the oxygen sensor downstream.
- The deviation is eliminated through adaptation, a fault is only set once the adaptation limits are exceeded.
- The most common fault cause is a leakage between the two oxygen sensors, resulting in the sensor downstream measuring more residual oxygen in the exhaust than the sensor upstream.

Diagnostic conditions

- Engine running
- Oxygen sensing upstream active
- No faults detected for oxygen sensor or oxygen sensor heater up and downstream
- No fault for secondary air injection, catalytic converter or tank vent entered

Possible fault causes

- ♦ Leakage in exhaust system between the two oxygen sensors
- ♦ Oxygen sensor **upstream** faulty (contaminated/aged)