

NEW PRODUCT HIGHLIGHT | JAN2024



febi 185423

To Fit:

MAN FOC, HOC, Lion's City, Lion's Classic, Lion's Coach, Lion's Intercity, Lion's Regio, ND, NG, NL, NM, NÜ, R, SL II, SÜ, TGA, TGL, TGM, TGS, TGX
NEOPLAN Centroliner, Cityliner, Jetliner, Skyliner, Starliner, Tourliner, Trendliner



Exhaust Gas Temperature Sensor

Function

Exhaust gas temperature sensors are used in the exhaust tract of both petrol and diesel engines to measure the exhaust gas temperature and to send these as an electrical voltage signal to the engine control unit (ECU).

In petrol engines, they are primarily used to protect critical components such as the turbocharger or catalytic converter from overheating. In diesel engines, they monitor the temperature of the particulate filter. This is because diesel particulate filters have to regenerate from time to time so that trapped soot particles are burnt to ash, which is only possible at a temperature of around 600°C and above.

Cause of Failure

If one or more exhaust gas temperature sensors are defective or provide implausible values, the control unit recognizes this and the engine is usually sent into emergency mode to protect components such as catalytic converters. Thermal overload, caused for example by a defect in the fuel injection system, as well as mechanical damage, which can occur both on the outside and inside of the sensor housing, are possible causes of failure. A faulty power supply and vibrations can also affect the exhaust gas temperature sensors.

For more technical information please visit: partsfinder.bilsteingroup.com