

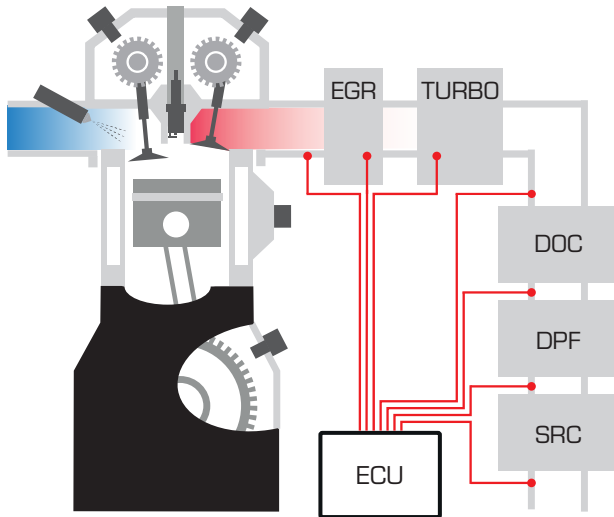


Technical info

EGT-sensors

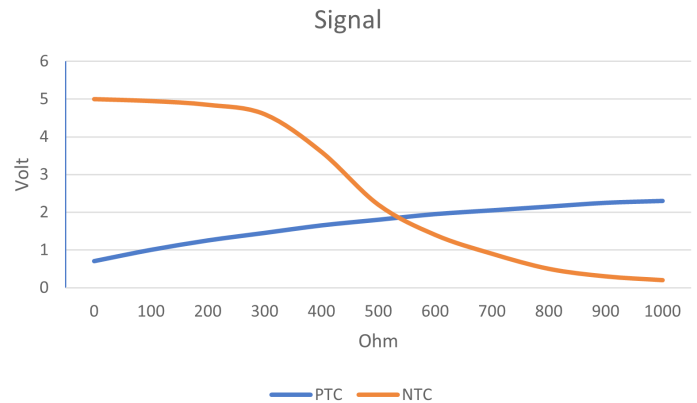
The EGT (Exhaust Gas Temperature Sensor) sensor is used depending on the engine type at up to 7 different positions in the exhaust system - for example the exhaust manifold, EGR cooler, turbocharger, front catalytic converter (DOC), diesel particulate filter (DPF) and rear catalytic converter (SCR). Combined with information from other engine / exhaust system sensors, the vehicle's engine control (ECU) uses the temperature measurements for e.g. to determine when a regeneration process of the diesel particulate filter should be initiated.

System design



Function

There are two types of exhaust gas temperature sensors - one with PTC sensor element (Positive Temperature Coefficient) and the other NTC sensor element (Negative Temperature Coefficient). In both types, the temperature is measured in relation to the electrical resistance which is measured and registered by the motor control unit (ECU) of the vehicle.



Types

There are two types of EGT sensors:

- PTC - positive temperature coefficient, ie. low resistance at low temperatures
- NTC - negative temperature coefficient, ie. high resistance at low temperatures

Quality

- OE quality
- Closed stainless steel enclosure
- Mineral insulated cable for heat separation
- Teflon insulated wires which are oil, petrol and water resistant
- Twisted wires for greater flexibility
- 100% functionality test before final approval

Number system

8826 ZZZZZ: 8826=product group, ZZZZZ=continuous numbering

Cross section Illustration of a EGT-sensor

