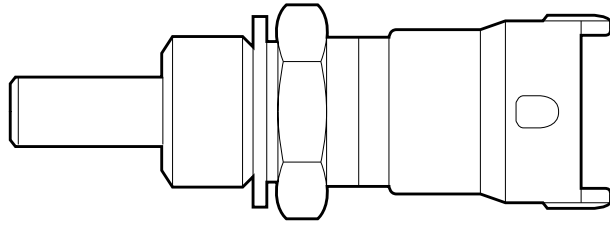


Sensor, coolant temperature (F566)

The coolant temperature sensor (F566) emits a signal that indicates the temperature of the coolant and, therefore, indirectly the engine temperature. It is a Negative Temperature Coefficient (NTC) sensor. The higher the temperature, the lower the resistance of the sensor.



Effect of output signal on the system:

- Calculation of the quantity of fuel to be injected and the injection timing
- Calculation of on/off actuation of the fan clutch
- Limitation of the engine torque when the temperature is too high
- Limitation of the maximum engine speed when the engine is cold
- Engine idle shutdown
- Fast idle speed control
- Ether start



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