

No press release!

**NEW!**

## New to the workshop range: Bosch nitrogen-oxide sensors

Bosch responds to the steadily increasing importance of nitrogen-oxide (NO<sub>x</sub>) sensors on the aftermarket



### ACCURATE INFORMATION FROM THE EXHAUST-GAS FLOW

The basis for efficient exhaust-gas treatment is a reliable measurement of the exhaust-gas composition. Different sensors are used to generate accurate and up-to-date values at any time – including nitrogen-oxide sensors. Bosch has now expanded its workshop range with NO<sub>x</sub> sensors for diesel engines.

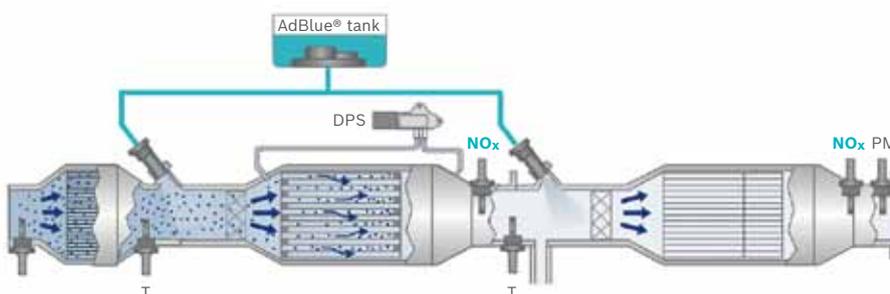
NO<sub>x</sub> sensors measure the concentration of nitrogen oxide within the exhaust-gas flow and send current values to the engine control unit via CAN bus. They consist of a sensor, a sensor control unit and a cable harness connecting them with one

another. The core component of NO<sub>x</sub> sensors, the ceramic sensor element, is covered with a special protection layer making it particularly resilient and heat-resistant – indispensable for exhaust-duct components. Nitrogen-oxide sensors are installed into the exhaust flow. Depending on the type of engine, they are located either upstream or both up/downstream of the SCR catalytic converter. Therefore, they significantly contribute to compliance with emission limit values and feature a high measurement accuracy and quick operational readiness. Bosch NO<sub>x</sub> sensors are installed using a retaining screw. This eases quick and trouble-free replacement of defective sensors at automotive workshops.

### FROM SERIES PRODUCTION TO THE AFTERMARKET

Many vehicle manufacturers worldwide are fitting Bosch nitrogen-oxide sensors as original equipment. More and more diesel cars and a growing number of light and heavy commercial vehicles (both on/off-highway) are equipped with NO<sub>x</sub> sensors. As a result, nitrogen-oxide sensors are also of increasing importance for the aftermarket business. Although the Bosch workshop range already includes NO<sub>x</sub> sensors for numerous vehicles on the market, it is constantly being expanded. Moreover, these sensors share the same quality standards as the series-production range.

### Bosch nitrogen-oxide sensors in exhaust-gas treatment systems



Key:

- AdBlue® tank** Urea tank
- NO<sub>x</sub>** Nitrogen-oxide sensor
- PM** Particle sensor
- DPS** Differential-pressure sensor
- T** Exhaust-gas temperature sensor