

Denoxtronic 2.2 – Heavy Commercial & Off-Highway Vehicle Exhaust Gas Treatment

Full range of exhaust gas treatment products from one trusted source!

Supply Module

Supplies the optimal amount of urea- or Diesel Exhaust-Fluid (DEF) to the dosing module

- Ensures maximum system reliability in all driving situations
- Precise measurement of flow rate for meeting EPA requirements
- ▶ Equipped with replaceable filter for purifying urea fluid
- ▶ Bosch Original Equipment



Dosing Module

Introduces urea fluid into exhaust system to reduce nitrogen oxide (NOx) emission levels

- Specialized spray patter for specific exhaust treatment concepts, ensuring maximum ammonia conversion
- Operates at ambient temperatures up to 400°F (200°C)
- Robust design for longer service life
- Bosch Original Equipment



Nitrogen Oxide (NOx) Sensors

Precise measurement of the nitrogen oxide (NOx) concentration in the exhaust gas

- Precisely measures the NOx concentration in the exhaust gas to support efficient after treatment
- Reliable monitoring for compliance with applicable emission standards
- Robust design for longer service life
- Bosch OE-manufactured sensor



Exhaust Temperature (ETS) Sensors

Reliable and accurate temperature measurement in the exhaust tract

- Protects high-quality components such as turbos, catalytic converters and diesel particulate filters in the hot exhaust tract
- Monitors optimum temperature range
- ► Robust heat-resistant design
- ► Bosch validated OE sensor



Particulate Matter (PM) Sensors

Precise, reliable and easy to install

- Initiates Diesel Particulate Filter (DPF) regeneration at the optimal time to maximize fuel efficiency
- Ensures your Selective Catalytic Reduction (SCR) catalyst performs as intended
- Built to operate in harsh diesel exhaust environments
- ▶ Bosch OE-manufactured sensor

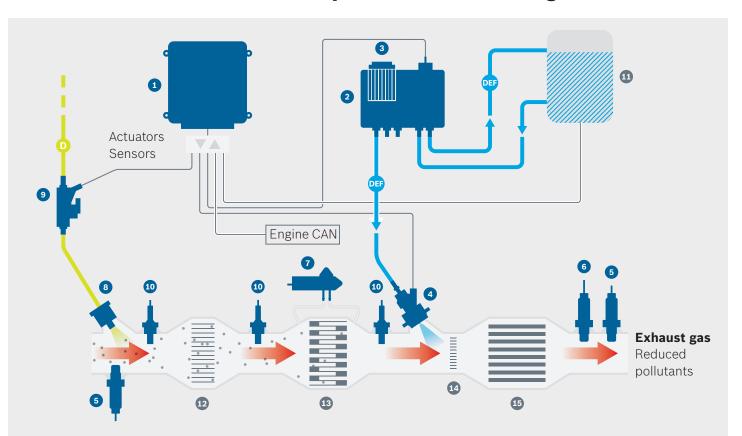


Urea (DEF) Filter

Filters urea fluid that's pumped into the dosing module and protects the Denoxtronic system

- ▶ High-capacity media provides protection to original equipment manufacturer change intervals
- Included O-rings provide a tight seal, which help prevent leaks
- ► The Bosch exclusive equalizing element acts like a buffer expanding and contracting the pressure within the pump to eliminate cracking on internal components
- The supplied extraction tool makes filter removal easier

Bosch Denoxtronic and Departronic exhaust-gas treatment:



Bosch components

- Dosing control unit /
 electronic engine control unit
- 2 Supply Module
- 3 Urea (DEF) Filter
- 4 Dosing Module
- 5 Nitrogen Oxide (NOx) sensor
- 6 Particulate Matter (PM) sensor
- 7 Differential Pressure sensor
- 8 Diesel injection unit
- 9 Diesel metering unit with shut-off valve
- 10 Exhaust Temperature (ETS) sensor

Other components

- 11 Diesel Exhaust Fluid or urea fluid tank
- 12 Oxidation catalyst
- 13 Coated diesel particulate filter
- 14 Mixer
- SCR catalytic converter with ammonia slip catalyst
- Diesel Exhaust Fluid (DEF) or urea fluid
- Diesel
- Electronic connection
- Hot