

# NOx SENSOR

CLASS 7 & 8 HEAVY DUTY APPLICATIONS



## First Genuine OE NOx Program Available to the Aftermarket!

### Features:

- **Genuine OE:** Why go back to the dealer for OE when you can get Genuine OE from Walker Products?
- **No Remanufacturing:** 100% New NOx Sensors
- **No Core Charge:** Eliminates the need for core returns and core banking
- **Precise Measurement:** Provides accurate NOx level readings for optimal SCR system performance
- **Durability:** Built to withstand harsh operating conditions and extend service life

### Benefits:

- **Reduce Downtime:** Exact OE performance minimizes the risk of sensor failure and warranty claims
- **Increase Profit:** High-quality Genuine OE components, and no core charge reduce maintenance costs to drive fleet profitability
- **Reduce Costs:** Significant cost savings over OE Dealer pricing to reduce cost per mile throughout service life
- **Protect Your Investment:** Minimize the risk of premature failure found in other aftermarket offerings
- **Install With Confidence:** Genuine OE NOx Sensors from Walker Products

### Coverage:

- Class 7 & 8 applications
- Over 85% coverage of the North American market
- **Cummins, Mack, Volvo, Navistar, Detroit Diesel, Daimler, Mercedes-Benz, PACCAR, and more!**



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## QUALITY • COVERAGE • SUPPORT

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## WHAT IS A NO<sub>x</sub> SENSOR?

A NO<sub>x</sub> sensor is used in the pollution/emission control system of some vehicles with either spark ignition (gasoline) and compression ignition (diesel) engines. They are used to monitor the engines output of nitrogen monoxide (NO), nitrogen dioxide (NO<sub>2</sub>) and nitrous oxide (N<sub>2</sub>O – commonly referred to as “laughing gas”) and provide a signal back to the vehicle’s Engine Control Module (ECM) that will adjust the engine’s combustion process and other emission control devices to reduce these pollutants.

## WHAT HAPPENS WHEN A NO<sub>x</sub> SENSOR FAILS?

A NO<sub>x</sub> sensor has a limited lifespan and will fail at some point or no longer operate within a certain bandwidth. A NO<sub>x</sub> sensor failure will result in faults being logged by the Engine Control Module (ECM) which will be displayed on the vehicle’s dashboard. Upon failure, the engine will default to “emergency mode” resulting in increased fuel consumption and slight stalls. Premature sensor failure can result from contamination from water, excessive fuel, oil consumption, mechanical shock, fuel additives, and excessive operating temperatures.

## PREVENTATIVE NO<sub>x</sub> SENSOR MAINTENANCE

Often large fleets that have their own maintenance departments will develop a data base of maintenance requirements based upon recommended replacement intervals, such as oil and filter changes or component failures. This then becomes the basis for determining predictive failure rates and preventative maintenance schedules for such things as brakes, tires, alternators, head lamps, etc. and NO<sub>x</sub> sensors. The objective is to maximize asset utilization by anticipating when something is about to disable a vehicle and “fixing” the issue before it happens.

## WHY ARE WALKER NO<sub>x</sub> SENSORS BETTER?

Walker Products NO<sub>x</sub> sensors are always 100% Genuine OE NEW and NEVER remanufactured!

