NOx SENSOR

PASSENGER VEHICLES • MEDIUM DUTY
CLASS 7 & 8 HEAVY DUTY

Walker
walkerproducts.com

The first Genuine OE NOx Program available to the Aftermarket

Technology

- OE manufactured with the highest quality materials designed to hold up under any condition
- 100% engineered and programmed to OE specifications for fit, form, and function

Marketing

- Provides increased competitiveness and profitability
- Bungs and kits available when repairing damaged or seized threads
- Preferred by professional technicians nationwide

Coverage

- Passenger Vehicles
- Medium Duty and Vocational
- Class 7 & 8 Heavy Duty

GENUINE OE PRODUCT
GENUINE
OE
PRODUCT

ISO 9001 CERTIFIED QUALITY SYSTEM IATF 16949

TecAlliance TecDoc Catalogue

ACES AFTERMARKET CATALOG EXCHANGE STANDARD

PIES PRODUCT INFORMATION EXCHANGE STANDARD

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QUALITY • COVERAGE • SUPPORT

WHAT IS A NOx SENSOR?

A NOx 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 (NO2) and nitrous oxide (N2O – 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 NOx SENSOR FAILS?

A NOx sensor has a limited lifespan and will fail at some point or no longer operate within a certain bandwidth. A NOx 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 NOx 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 NOx 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 NOx SENSORS BETTER?

Walker Products NOx sensors are always 100% Genuine OE NEW and NEVER remanufactured!