



High Performance Diesel Emission Products

NOx Sensors

The Leading OEM Alternative

Skyline NOx Sensors: OE Manufactured Sensors at an Aftermarket Price

OE designed and manufactured

There are a lot of NOx sensors in the aftermarket today. Skyline's NOx sensors are different than most because they are designed and produced by the same company that supplies the original part to the engine manufacturer. This means you get OE performance at an aftermarket price.

NOx sensors are complicated devices: high-tech proprietary hardware is coupled with specialized software designed by each of the engine manufacturers. Even the smallest deviations from the OE hardware and software can result in fault codes and poor durability.

That's why Skyline recommends that you choose our OE manufactured sensors. Since Skyline's sensors are produced by the suppliers to the OEs, the sensor hardware and software was designed in collaboration with the OEs, the sensors are built to their specifications, and they have gone through rigorous OE-level testing.

Benefits of Skyline NOx Sensors

- Designed and manufactured by the OE's supplier to the OE's specifications
- New, no core charges
- Made in the U.S.A.
- 1 year warranty



OEM	Selected OEM Equivalent Part Numbers	Skyline Part Number
Cummins, Paccar	4326874, 2872946	SNX002
Cummins, Paccar	4326869, 2872947	SNX003
Cummins, Paccar	4326873, 2872948	SNX004
Detroit Diesel	A0101532328	SNX101
Detroit Diesel	A0101538128	SNX102
Detroit Diesel	A0101532228	SNX103
Detroit Diesel	A0101531928	SNX104
Detroit Diesel	A0111534028	SNX105
Detroit Diesel	A0111531628	SNX106
Detroit Diesel	A0111532828	SNX107
Detroit Diesel	A0111531728	SNX108
Detroit Diesel	A0101532128	SNX109
Detroit Diesel	A0111537928	SNX110
Detroit Diesel	A0101531828	SNX111
Detroit Diesel	A0101532028	SNX112
Detroit Diesel	A0101536928	SNX113
Navistar	7099784C1	SNX401
Navistar	7502711C1	SNX402
Navistar	7503569C1	SNX403
Paccar	2236409PE, 2006246PE	SNX501
Volvo, Mack	22303390	SNX601
Volvo, Mack	22303391	SNX602
Volvo, Mack	22303384	SNX603

Visit skylineemissions.com to see current NOx Sensor offerings

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Sensor Construction and Operation

A NOx sensor has two main components:

- **Probe:** This is placed in the exhaust stream. It contains a precision engineered proprietary ceramic sensing element that is sensitive to the NOx concentration and produces a corresponding voltage signal. Skyline's NOx sensors use the same probe as the OEs (look for the NGK mark).
- **Control Unit:** This receives the voltage signal from the probe and converts it to a digital message sent on to the ECU on the CAN bus using proprietary OEM software. Having the right communication with the ECU is critical to avoid fault code and one of the benefits of Skyline's OE manufactured sensors.



NOx Sensors In The Exhaust

NOx Sensors are important parts of the engine's emission control system. They are commonly mounted upstream and downstream of the catalyst system that controls the nitrogen oxide (NOx) emissions (often referred to as the SCR for "Selective Catalyst Reduction"). The inlet (upstream) sensor measures NOx emitted by the engine, and the outlet (downstream) sensor measures the NOx at the exit of the catalysts. The engine controller uses the sensor readings to modify boost, EGR, fuel injection, and DEF dosing to minimize NOx emissions and confirm that the aftertreatment system is working effectively.

Finding the Correct NOx Sensor

There is no "close enough" for NOx sensors. Even if two parts look identical, the internal programming will be different, and that will prevent the sensor from working properly. Always follow the cross-reference table.

Find Out More

For additional information including pricing and availability, contact your territory account manager or Skyline's customer service team.



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