



# PRODUCT INFORMATION

## EXHAUST PRESSURE SENSOR

- Reliable Performance: These sensors provide accurate, real-time data to the engine control unit (ECU) for optimal function, supporting crucial systems like Exhaust Gas Recirculation (EGR) and Diesel Particulate Filters (DPF).
- Durable Construction: Built with corrosion-resistant materials and robust designs to withstand extreme temperatures, vibrations, and contaminants, ensuring a long lifespan and minimal maintenance.
- Improved Efficiency & Emissions: By enabling precise engine management, Hella sensors help reduce fuel consumption, minimize harmful emissions (CO2), and support regulatory compliance.

### PRODUCT FEATURES

HELLA exhaust pressure sensors are aftermarket and OE-quality components that measure pressure in exhaust systems, crucial for controlling emissions (like EGR) and monitoring Diesel Particulate Filters (DPF), helping detect clogs and manage regeneration. They offer durable, corrosion-resistant construction for reliable performance, featuring precise fitment and easy installation for different vehicles, supporting both standard and performance turbo applications by monitoring pressure differentials.

#### Features:

**DPF Monitoring:** Detects when the Diesel Particulate Filter is getting clogged by measuring increased pressure drop across it, prompting the ECU to initiate regeneration.

**EGR Control:** Supports the Exhaust Gas Recirculation (EGR) system by providing pressure data for proper valve operation.

**Performance Optimization:** Helps the Engine Control Unit (ECU) fine-tune engine operation for better efficiency and power by understanding exhaust flow restrictions.

**Emissions Compliance:** Ensures the vehicle meets regulatory emissions standards by managing exhaust flow and filtering soot effectively..

#### Function:

A Hella exhaust pressure sensor measures pressure differences in the exhaust system, crucial for engine management and emissions control, primarily to monitor Diesel Particulate Filter (DPF) clogging for regeneration and support EGR function, sending data to the ECU for optimal performance, fuel efficiency, and compliance with emissions standards. It works by detecting pressure changes before and after components like the DPF, signaling the ECU to trigger regeneration cycles or adjust fuel/air mixtures as needed.

#### Signs of Failure:

Illuminated Check Engine Light (CEL).  
Poor engine performance, hesitation, or reduced fuel economy.  
Failed emissions tests.

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## How it Works:

- Two Pressure Points: The sensor has two connections, one before and one after the DPF.
- Pressure Measurement: It measures the pressure at both points as exhaust gases flow through.
- Data Transmission: This pressure difference (differential pressure) is sent to the ECU.
- ECU Action: A small difference means a clean filter; a large difference indicates clogging, prompting the ECU to manage regeneration.



Product features, specifications and availability are subject to change without notice.

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