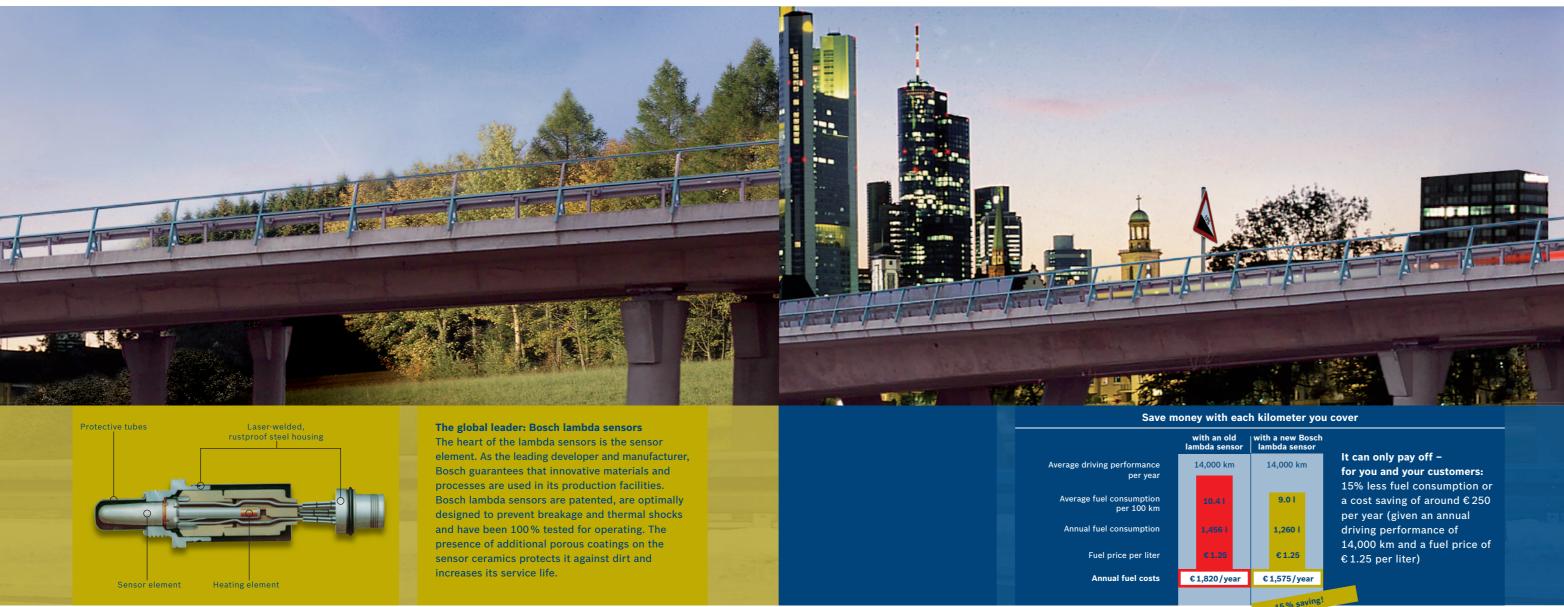
Bosch keeps the environment in top shape

Regular sensor replacement with Bosch – simple, quick, profitable



Exhaust emission standards and limit values are becoming stricter and stricter. The trend in emission values clearly shows that lambda sensors have become indispensable in the fight to reduce exhaust emissions efficiently. Many newer vehicles actually have two (or more) lambda sensors; they each monitor each other and control the catalyst. This is the only way to further reduce exhaust emissions.

Lambda sensors ensure an optimum air-fuel mixture. This enables the 3-way catalyst to reduce elements such as hydrocarbons, carbon monoxide and nitrogen the planar lambda sensors. These now reach their oxides in the exhaust emission by up to 99%. This in turn means that even the strictest exhaust emission limit values can be complied with.

Bosch has made a further major contribution to creating environmentally-friendly engines by developing operating temperature in less than five seconds and can therefore ensure an outstanding performance from the beginning, even in the cold-start phase with its high emission rate. Never before has there been a more effective method of cleaning exhaust emissions. What many do not know:

Even lambda sensors are not immune to wear and tear.

Lambda sensors are exposed to extreme strain from ...

- ... harmful environmental influences such as salt or dirt.
- ... temperature shocks.
- ... mechanical strain from street chippings etc.
- ... Contamination due to poor fuel quality, discharge of silicon when the coolant leaks or carbon- and oil backlog in the exhaust emission.

Result: Check the sensors regularly and replace them on time, and you will save up to 15% in fuel costs.

The advantages at one glance:

Bosch lambda sensors ...

Better:

- ... save up to 15% in fuel costs or around €250 per year with a new sensor.
- ... prevent secondary expensive damage such as a defective catalyst.
- ... minimize exhaust emission thanks to optimal composition of the air-fuel mixture even the strictest exhaust emission values can be complied with.

Bosch lambda sensors

- ... optimize the engine performance.
- ... are insensitive against water spray and contamination thanks to the use of a rustproof, laser-welded steel housing.
- ... have a long service life thanks to constant innovations such as optimized electrode protection coatings and suitable protective tubes.
- ... are patented and always feature state-of-the-art technology.
- ... are 100 % tested for operating.
- ... are perfectly well prepared for rapid installation thanks to a pre-lubricated thread.

Where you find Original Bosch Quality:

The engine will only operate reliable and the exhaust emission values will only be correct if the lambda sensor is in perfect working order. The sensors must therefore be checked every 30,000 km, and replaced when they reach the recommended replacement interval*. They can be replaced easily and without the need for special tools.

* The recommended replacement intervals are listed in the Bosch catalogs, ESI[tronic] and Tecdoc.

www.bosch.de





The No.1 from the beginning -Bosch lambda sensors



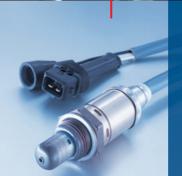


Getting more out of your car, right **from the start**

Look to the future, choose Bosch!







Today ...

Exhaust emission standards are becoming stricter and stricter. It is therefore increasingly important to monitor the exhaust emissions closely and to adjust the engine control accordingly. This is exactly what a lambda sensor does. There are around 37 million vehicles registered with a petrol engine in Germany, and an increasing number of these have more than one lambda sensor. Lambda sensors are now being used recently more and more in diesel engines, and with increasing tendency. This is the reason behind an increase in the demand for lambda sensors in the aftermarket.

Profit of the Bosch lambda sensors.

As the inventor and leading manufacturer, Bosch paves the way when it comes to quality and product diversity. With 30 years of experience and a total production output of 400 million units, Bosch is the leading global player for original equipment and aftermarket.

Only impeccable lambda sensors ...

- ... save up to 15% in fuel costs.
- ... allow to comply with the strictest exhaust emission values.
- ... prevent expensive damage to the catalyst.

An enormous potential for workshops and retailers!

• ... Bosch is the largest producer in the world with a total number of more than 400 million lambda sensors.

Bosch is the No. 1 for lambda sensors!

- ... Bosch has the greatest level of manufacturing knowhow with an output of 33 million sensors per year.
- ... Bosch is the driving force behind development with the innovations which it is constantly creating.
- ... Bosch is the market leader in original equipment and aftermarket
- ... all lambda sensors delivered by Bosch to retailers meet original equipment quality standards.
- ... the Bosch product range is unique in its diversity.

The key to driving economically – use the right sensor!

Original or universal? Bosch offers both.

With its wide range of original sensors for accurate solutions and the award-winning universal product range*, Bosch can offer you the right sensor whatever your requirements.

The Bosch original product range:

- Original lambda sensors always have the original connector
- They can fit into the vehicle precisely with no need for further work (plug & play).
- The manufacturer's requirements are met 100%.
- The Bosch original lambda sensors cater for over 75% of the vehicle population in Europe.

30 years lambda sensors – 1976 Bosch invented the first lambda sensor, 2006 Bosch is celebrating its anniversary.

- ... Bosch supplies the highest quality in data with reliable and complete specifications.
- ... Bosch guarantees very quick delivery schedules thanks to its international distribution network.

All vehicle manufacturers in Europe and most vehicle manufacturers of the world place their trust in lambda sensors from Bosch. Bosch lambda sensors give you that decisive edge over the competition and allow you to offer your customers what they need - environmentally-friendly, fuel-efficient and long-living spare parts.

* Bosch has won two innovation prizes for its universal lambda sensors

"Innovation Award" at the Automechanika, Frankfurt, 2004 and "Silver Trophy" at the Equip Auto, Paris, 2003

Lambda sensors from Bosch

The Bosch universal product range:

- A mere 9 universal sensors are required to replace around 1,000 original lambda sensors
- The nine universal sensors cater for different sensor elements and heating powers.
- The benefits for you: low storage costs and very high availability rates.
- Short numbers make it easier for you to keep track of the sensors.
- No special tools are required for installation purposes.
- · Universal lambda sensors have one universal connector. It is patented, guarantees a secure, electrical contact and connects to the wiring harness in the vehicle without any problems. It can resist extreme shaking, temperatures and wetness.
- A comprehensive installation manual is included with all universal sensors.

