

Invented for life



Making sure the spark flies

Bosch ignition components



Ignition components

Overview

Power that brings the engine to life. Ignition coils and ignition cables generate the necessary spark energy for a powerful and reliable engine running. In fractions of a second, the ignition coil transforms the voltage from 12 volts to up to 40,000 volts and passes it on to the spark plug with virtually no loss.



From then to now

In 1887 Robert Bosch developed a low-voltage magneto for stationary engines. In 1897 he tested an improved magneto on a motor tricycle. This became a key-product to the company. The high-voltage magneto ignition of 1902 catapulted Bosch into an international automotive supplier. Today, ignition is part of modern engine control systems.

Quality for the aftermarket

On three continents Bosch produces several million ignition coils annually in its own production facilities – in reliable quality at original equipment level.

Fireworks of 60 ignitions per second

An ignition coil produces up to 60 sparks per second – that adds up to several hundred million ignitions throughout its service life.

Precisely to the point

A strong spark is needed to ignite the fuel-air mixture. The ignition coil delivers at least 15,000 volts. And this with the highest precision, because the ignition point lies within a tiny time window of only a few milliseconds.



Ignition coils

Product details

As a global supplier of ignition components, Bosch has a wide range of ignition coils, including rod, compact and multiple ignition coils.

Also for
hybrid
vehicles



Advantages at a glance:

- **Comprehensive ignition coil program** for modern and older vehicles
- **High performance and reliability over a long service life**, thanks to functional and quality tests to the same standards as for original equipment
- **Excellent resistance** to heat, vibration and corrosion thanks to high-quality materials and manufacturing methods



Heroes under the hood



Scan the QR code and watch the heroes take action!

Ignition leads

Product details

High-quality transmission reliability: Bosch ignition cables transmit the high voltage arriving at the ignition distributor to the spark plugs with almost no loss.



Advantages at a glance:

- **High performance and reliability over a long service life**, as tested for function and quality according to the same standards as original equipment parts
- **Excellent heat, cold and liquid resistance** thanks to high-quality materials and innovative robust design
- **Even contact with the spark plugs** thanks to corrosion-resistant connectors



Did you know?

Bosch has a wide range of products and services for classic vehicles

It is often the small spare parts that are difficult to obtain. Bosch offers a complete range of ignition components. This includes wearing parts such as Ignition distributor caps, rotors, contacts, capacitors - some as reproductions.

www.bosch-classic.com



Ignition coils

Tested quality

As a global ignition coil manufacturer, Bosch supplies both vehicle manufacturers and workshops. Standardized production processes and strict tests ensure excellent quality at the high level of original equipment.



Strict manufacturing and approval processes

The manufacturing processes of Bosch ignition coils are subject to a uniform and strict quality management. Every ignition coil goes through an approval process in accordance with the same standards as for original equipment parts. In this way only products are provided and sold that equal the high Bosch quality standards.



Demanding performance tests

All ignition coils produced are subjected to a stringent series of quality and performance tests. They are tested in various procedures under extreme conditions for service life, vibration resistance and robustness.

Equipped for demanding challenges

Bosch offers suitable high-quality spark plugs for almost every engine.



Scan the code and watch the workshop tips for changing spark plugs!

What drives you, drives us

Bosch technologies are used in most vehicles worldwide.
People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent hotline support
- comprehensive educational and training offers
- targeted sales and marketing support

Find out more at:
boschaftermarket.com

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