

Invented for life



# Reliability and precision for a safe journey

Steering systems by Bosch



# Reliably and precisely to the destination

## Steering systems by Bosch



### Did you know?

Bosch is one of the world's leading manufacturers of steering systems.

The electric power steering system from Bosch alone has been installed

**about 200 million**

times in vehicles worldwide since production started in 2002.

Whether in everyday operation, during precise parking maneuvers or sudden evasive maneuvers: As a particularly safety-relevant vehicle component, steering systems place high demands on quality and reliability. Bosch offers workshops a comprehensive range of high-quality steering systems and components for almost every vehicle segment.



#### Parts, diagnostics and services

The workshop and retail range includes high-quality spare parts, diagnostic solutions and workshop equipment as well as training offers and a Technical Support. Consequently, Bosch offers a complete package facilitating the diagnosis, removal and installation of replacement parts for workshops.



#### Competence and quality

Thanks to decades of experience and cross-product expertise from series production, Bosch understands the technical requirements for steering systems. This knowledge contributes to the further development of the products and results in convincing quality.



#### Future viability

Modern steering systems will continue to be required in vehicles of future generations – regardless of the drive type and the degree of automation. Therefore, they will remain in demand for original equipment business, for retail and for workshops.



#### Value-based solutions

Bosch eXchange offers a high-quality alternative for value-based repairs. The exchange products are treated according to the same standards as original parts and have to pass strict functional and quality tests. This ensures high quality and reliability at lower prices while still providing the same warranty as in the new parts program.

# Steering systems

## Overview

Steering systems from Bosch stand out for their precise driving behavior and easy handling. In the aftermarket, workshops benefit from an extensive program based on decades of original equipment experience. In combination with Bosch diagnostic technology and services, it provides an excellent solution for almost every requirement.

### About 80 years of experience

Since 1945, steering systems have been manufactured at the Bosch plant in Schwäbisch Gmünd, Germany. The result of so many years of experience: high-quality Bosch steering systems.

### Ready for the future

Bosch develops steering systems for current and future vehicle generations, thus ensuring innovative products in the aftermarket.

### Global network

Bosch ensures quick availability of its parts by means of an international sales and logistics network.

### Customer-oriented solutions

Bosch offers its customers a comprehensive range of steering systems, steering pumps, attachment parts and accessories. For value-based repairs, many of the products are also available in the Bosch eXchange program.

### A competent partner

Bosch does not only provide spare parts, but supports its customers by means of diagnostic solutions, installation manuals and technical know-how, as well.



# Steering systems for passenger cars

## Program & product details

### Hydraulic steering systems and steering pumps



#### Hydraulic steering systems

The hydraulic steering system: the classic among steering systems is precise and has proven itself millions of times

##### Products at a glance:

- hydraulic steering system
- SERVOTRONIC
- active steering

##### Advantages at a glance:

- reduced effort for replacement of the steering system by delivery including attachments
- comprehensive OEM expertise



#### Steering pumps

Steering pumps for easy steering with hydraulic steering systems

##### Products at a glance:

- vane pump
- variable displacement pump VARIOSERV
- electrohydraulic pump

##### Advantages at a glance:

- delivery of complete pumps
- precise matching of Bosch pumps to the applied steering system



### Electric steering systems



#### Electric steering systems

Electric steering systems enable efficient and precise steering as well as a direct connection to driver assistance systems

##### Products at a glance:

- electric power steering system with belt drive servo (EPSapa)
- electric power steering system with servo unit on a second pinion (EPSdp)

##### Advantages at a glance:

- technology is always cutting-edge
- comprehensive OEM expertise
- professional support for the workshop in troubleshooting, product selection, removal and installation as well as commissioning



# Steering systems for passenger cars

## Program & product details

### Attachment parts



#### Attachment parts

Attachment parts for passenger car steering systems: high-quality kits for reliable steering and safe driving

#### Products at a glance:

- kit 1: bellow, clip, band clamp
- kit 2: inner tie rod, lock nut
- kit 3: outer tie rod, outer tie-rod nut
- kit 4: bellow, clip, band clamp, inner tie rod, lock nut, outer tie rod, outer tie-rod nut

#### Advantages at a glance:

- attachments parts and passenger car steering systems from a single source
- precise matching of Bosch attachment parts to the applied steering system



### Passenger car attachment parts



Find out more about how the four practical Bosch attachment kits work.



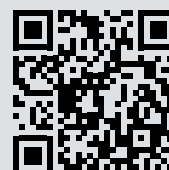
### Workshop tip

#### Replacing electric steering systems: easy and efficient with Remote Diagnostics Service

Replacing an electric steering system often requires electrical commissioning.

With the Remote Diagnostics Service from Bosch, qualified experts can access the vehicle online if required and simplify the replacement process by taking over diagnostic work.

**Register now and try it out!**



# Steering systems for commercial vehicles

## Program & product details

### Steering systems and steering pumps



#### Steering gears

Robust steering systems for commercial vehicles: particularly reliable for heavy loads

##### Products at a glance:

- RB-Servocom

##### Advantages at a glance:

- short idle times and downtimes in the event of damage
- high vehicle coverage
- professional support for workshops



#### Steering pumps

Steering pumps for easy steering with hydraulic steering systems

##### Products at a glance:

- vane pump
- variable displacement pump VARIOSERV
- tandem pump
- radial piston pump

##### Advantages at a glance:

- delivery of complete pumps
- precise matching of Bosch pumps to the applied steering system



### Attachment parts and accessories



#### Attachment parts and accessories

Robust attachment parts for commercial vehicles: particularly reliable for heavy loads

##### Products at a glance:

- |                       |                           |                   |
|-----------------------|---------------------------|-------------------|
| ■ ball joint          | ■ hydraulic accumulator   | ■ steering column |
| ■ bevel gearbox       | ■ operating cylinder      | ■ steering shaft  |
| ■ flow indicator      | ■ pitman arm              | ■ universal joint |
| ■ flow limiting valve | ■ pressure limiting valve | ■ valves          |

##### Advantages at a glance:

- attachment parts and accessories for commercial vehicle steering systems from one single source
- precise matching of Bosch attachment parts and accessories to the applied steering system



# Bosch eXchange for steering systems

## Value-based vehicle repair

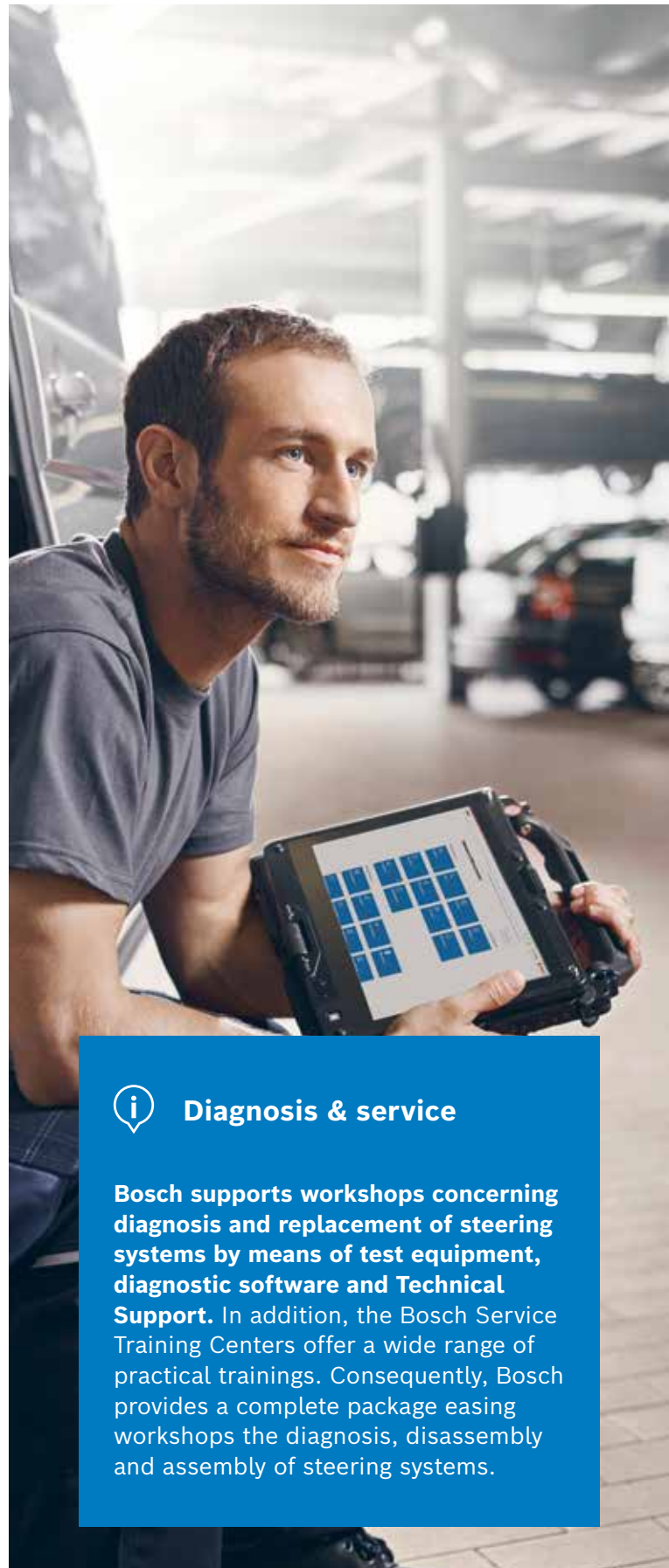
Value-based repairs are in higher demand than ever before – and not only for older vehicles. But how can this demand be met without compromising the quality? Bosch eXchange provides the answer. With its comprehensive range of high-quality exchange products, vehicle repair becomes a success factor for automotive workshops.



Selected steering systems from Bosch are also available as **Bosch eXchange parts**

### Advantages at a glance

- **High quality and reliability:** Bosch eXchange products are tested to the same standards as original parts and have to pass stringent functional and quality tests
- **Outstanding price-performance ratio:** Up to 30% more affordable than comparable products in the Bosch new parts program, while still offering the same warranty
- **Resource-saving and environmentally friendly:** Bosch eXchange saves resources and makes an important contribution to the circular economy by reusing old parts



### Diagnosis & service

**Bosch supports workshops concerning diagnosis and replacement of steering systems by means of test equipment, diagnostic software and Technical Support.** In addition, the Bosch Service Training Centers offer a wide range of practical trainings. Consequently, Bosch provides a complete package easing workshops the diagnosis, disassembly and assembly of steering systems.

# 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](https://boschaftermarket.com)

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