



**BOSCH**

Invented for life

Driven by

# RELIABILITY

**Everything from a single source**

Commercial vehicle parts,  
diagnostics and workshop services

# Reliability and profitability along the way

## Reduced idle times, increased planning certainty



### Did you know?

Every year, some

# 13.4 million

commercial vehicles with more than six tons of GVW circulate on European roads – covering an annual overall distance of some 145,000 km in long-haul traffic.

Today Paris, tomorrow already heading towards Barcelona. Where asphalt glows in midday heat today, the rising sun will make frosty roads glow in half a year. What sounds like an idyllic trucker lifestyle is rather a race against the clock. Everyone knows: trucks can only make money if they are out on the roads. Whoever wants to increase profitability doesn't make any compromises and relies on excellent Bosch quality.



### Commercial vehicle parts, diagnostics and workshop services

The workshop and retail range includes high-quality spare parts, diagnostics and workshop equipment as well as special training courses and a Technical Support. The diagnostic software ESI[tronic] Truck covers 90 % of the European commercial vehicle market and works with diagnostic tester Bosch KTS Truck.



### Global presence

More than 14,000 associates in 150 countries and an extensive dealer network reliably ensure target-oriented workshop support and local availability of the spare parts range.



### Value-based solutions

Bosch eXchange provides 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.



### Competence and know-how

Bosch knows the technical requirements of commercial vehicles very well and offers innovative and reliable solutions within its aftermarket range.

# Commercial vehicle parts, diagnostics and workshop services

Today's commercial vehicles have to meet extremely high demands in terms of reliability and profitability. This affects work at workshops as well. Bosch therefore offers workshops a comprehensive range of high-quality spare parts as well as diagnostic solutions, workshop equipment and services. At the same time, the workshops also benefit from Bosch competence based on decades of experience as an original equipment supplier. They can rely on each spare part being geared to an excellent interaction with the commercial vehicle's remaining technical components.

## ENERGY MANAGEMENT

- DRIVE BELTS
- BATTERIES
- STARTERS
- ALTERNATORS

## LIGHT & VISION

- AUTOMOTIVE BULBS
- WIPER BLADES

## STEERING SYSTEMS

## VEHICLE ELECTRONICS

- ELECTRICAL MOTORS
- WATER PUMPS
- SOLENOID VALVES
- INSTALLATION EQUIPMENT
- SWITCHES
- RELAYS

## EXHAUST-GAS TREATMENT

- EXHAUST-GAS SENSORS
- DENOXTRONIC
- DEPARTRONIC
- LAMBDA SENSORS
- FILTERS

## ENGINE MANAGEMENT

- DIESEL INJECTION SYSTEMS
- SENSORS
- FILTERS

## COMPRESSED-AIR SYSTEMS

- FILTERS
- HORNS
- FANFARES

## DIAGNOSTICS & WORKSHOP EQUIPMENT

## SERVICES

# Service parts for commercial vehicles

## Product overview

For commercial vehicles, operational readiness and reliability matter most. Bosch therefore offers a comprehensive range of high-quality service parts for commercial vehicles.



### Drive belts

*Ribbed V-belts*

- ▶ Long service life
- ▶ High reliability
- ▶ Upgrade version with aramid cord for drive systems subject to particularly heavy loads

### Batteries

*TA AGM batteries, TE EFB batteries, SLI batteries (T5, T4, T3)*

- ▶ Reliable, even under extreme operating conditions
- ▶ Leak-proof and powerful
- ▶ Top starting performance, even for short-distance trips
- ▶ Robust, maintenance-free and vibration-resistant

### Automotive bulbs and universal lamps

*Automotive bulbs, auxiliary lamps, flood and spot lamps, rotating beacons*

- ▶ For a safe and relaxing journey
- ▶ Robust design, long service life and high light output
- ▶ Broad range

### Filters

*Diesel, oil, air, cabin, Denoxtronic and coolant filters, oil mist separators, air dryer cartridges, hydraulic oil filters*

- ▶ Complete range from one single source
- ▶ Competence in diesel injection systems and Denoxtronic
- ▶ Safety thanks to excellent product quality

### Horns and fanfares

*Compressed-air fanfares, supertone horns, reversing warning systems*

- ▶ Long service life and robust design
- ▶ Comprehensive range for 24 V applications

### Lambda sensors

- ▶ Reliable measurement throughout the entire long service life
- ▶ Efficient emission control
- ▶ Quick and easy installation

### Wiper blades

*Bosch Aerotwin, Bosch Twin*

- ▶ Impeccable wiping performance for more safety
- ▶ Long service life and silent wiping

# Technical parts for commercial vehicles

## Product overview

Bosch is an experienced developer of mobility solutions and trusted partner of the vehicle manufacturers. This special know-how also characterizes the range of high-quality technical spare parts for commercial vehicles.



### Diesel systems

*Modern injection systems, conventional injection systems, exhaust-gas treatment*

- ▶ High market coverage for all types of commercial vehicles
- ▶ Comprehensive diesel competence based on many years of experience as an OE supplier
- ▶ Quick availability of customized repair solutions right from the vehicle's market launch

### Vehicle electronics

*Electrical motors, water pumps, solenoid valves, installation equipment, switches, relays*

- ▶ Comprehensive product range for multiple application purposes
- ▶ High quality thanks to production in line with stringent quality guidelines
- ▶ Long service life due to use of high-quality materials

### Steering systems

*Hydraulic steering systems, steering pumps, attachment parts and accessories*

- ▶ Long service life thanks to the same production standards as for OE parts

- ▶ High availability of Bosch products quickly takes commercial vehicles back onto the roads
- ▶ Reliable for a safe journey thanks to stringent functional and quality tests

### Sensors

*Air-mass, throttle-valve, pressure, knocking, crankshaft, camshaft and temperature sensors*

- ▶ A large variety of powertrain sensors
- ▶ Specifically developed micromechanical sensor elements for accurate measurements
- ▶ Very robust, specifically for the extreme conditions inside the engine compartment

### Starters & alternators

- ▶ High starting reliability even under extreme environmental conditions
- ▶ Reliable power supply even for extreme requirements of the on-board electrical system
- ▶ High quality through stringent functional and quality testing

# Bosch eXchange

## Value-based commercial vehicle repair

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



### 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



# Diagnosics, workshop equipment and services

## Overview

Everyday commercial vehicle workshop life: Mechanical repairs have evolved into diagnosis of connected systems and target-oriented replacement of high-quality components. Professional repairs and servicing of the sophisticated systems of modern commercial vehicles require qualified diagnosis. Besides ECU diagnostics, Bosch also supplies additional workshop equipment – everything from a single source.

### The core of vehicle diagnosis:

#### Mobile diagnostic system KTS 900 Truck

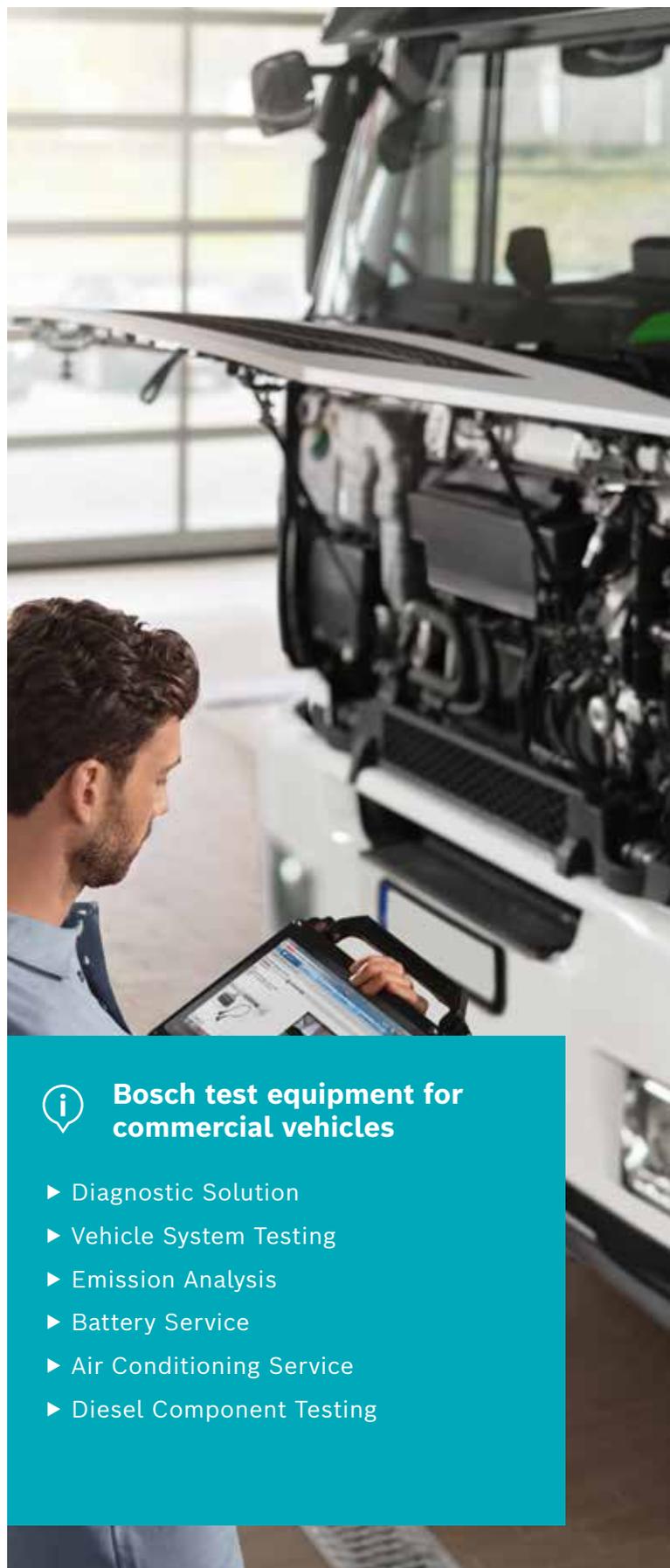
- ▶ **Ready-to-use and workshop-oriented ECU diagnostics** including DCU 220, mobile KTS Truck module and workshop software ESI[tronic] Truck
- ▶ **Easy to switch** between tablet and notebook operation
- ▶ **Two lithium-ion batteries** for the mobile use of DCU 220 at the workshop or on the roadside
- ▶ **Robust housing** with 11.6" touch screen
- ▶ **Integrated camera** for the documentation of damages on the vehicle and of required spare parts

### Technical Support

The Bosch Technical Support provides commercial vehicle workshops with a service helping them in a target-oriented manner. With repair and/or service problems, Bosch experts help with their qualified knowledge. Modern tools like the Visual Connect app and Remote Diagnosis ensure the highest efficiency during the troubleshooting process.

### Service training

Professional Bosch service training courses enable workshop employees to perform tasks related to modern commercial vehicle technology: powertrain (diesel systems), exhaust-gas treatment (Denoxtronic), electric systems and diagnosis using ESI[tronic] and KTS 900 Truck.



### Bosch test equipment for commercial vehicles

- ▶ Diagnostic Solution
- ▶ Vehicle System Testing
- ▶ Emission Analysis
- ▶ Battery Service
- ▶ Air Conditioning Service
- ▶ Diesel Component Testing

# Services to help workshops

The technologies used in modern commercial vehicles are ever more sophisticated as the vehicles are becoming increasingly efficient, cleaner in terms of emissions and safer. This results in increasing demands placed on their maintenance and repair. Bosch supports workshops with a comprehensive portfolio of services allowing workshops to provide their customers with optimum customer care and to keep the downtimes of vehicles as short as possible.

## **Alltrucks – professional service featuring multi-brand expertise**

The common brand of the leading automotive and commercial vehicle suppliers Bosch, Knorr-Bremse and ZF offers commercial vehicle workshops multi-brand expertise in diagnostics, service, maintenance and repair.

[www.alltrucks.com](http://www.alltrucks.com)

## **The Bosch workshop concepts for diesel service:**

- ▶ Bosch Diesel Centre are expert diesel system specialists offering diagnostics, maintenance, component repair and replacement for all systems and vehicles on the market
- ▶ Bosch Diesel Service are specialists for repairing diesel injection components

*Your local retailer:*

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