



BOSCH

Invented for life

Driven by

WORKSHOPS



Everything from a single source
Passenger car parts, diagnostics
and workshop services

Satisfied customers thanks to quality service

Passenger car repair that ensures a safe arrival



Whether on the way to work, out of pure enthusiasm for cars or for travelling to the long desired holiday destination – having your own vehicle makes independence and driving for pleasure possible. However, drivers must also be able to rely on the technology in the vehicle. For satisfied customers, workshops therefore rely on Bosch's proven quality.



Passenger car 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 hotline. Bosch thus offers a complete package to make it easier for workshops to install and remove spare parts.



Global presence

More than 17 000 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. During this industrial remanufacturing process, replacement parts are subject to the same standards as at the production of new ones and to the same functional and quality tests. This ensures high quality and a long service life with the same warranty as for new parts.



Competence and know-how

Bosch knows the technical requirements of vehicles very well and offers innovative and reliable solutions within its after-market range.



Did you know?

Experts expect the number of registered passenger cars worldwide to grow to

1.3 billion

by 2020 – 300 million more than in 2010, when the billion mark was crossed for the first time.

Passenger car parts, diagnostics and workshop services

Bosch offers workshops a comprehensive range of high-quality spare parts as well as diagnostic solutions, workshop equipment and services. At the same time, workshops benefit from Bosch competence based on decades of experience as an original equipment supplier. This means that each part convinces with its high quality and is excellently matched to the interaction with the other technical components in the vehicle.

ENERGY MANAGEMENT

- BATTERIES
- STARTERS
- ALTERNATORS

EXHAUST-GAS TREATMENT

- EXHAUST-GAS SENSORS
- LAMBDA SENSORS

BRAKING COMPONENTS

HORNS & FANFARES

ENGINE MANAGEMENT

- GASOLINE INJECTION SYSTEMS
- DIESEL INJECTION SYSTEMS
- FILTERS
- FUEL SUPPLY
- IGNITION COMPONENTS
- SENSORS
- SPARK PLUGS/GLOW PLUGS

LIGHT & VISION

- AUTOMOTIVE BULBS
- CABIN FILTERS
- UNIVERSAL LAMPS
- WIPER BLADES

STEERING SYSTEMS

VEHICLE ELECTRONICS

- ELECTRICAL MOTORS
- ENGINE COOLING FANS
- INSTALLATION EQUIPMENT
- RELAYS
- SOLENOID VALVES
- SWITCHES
- WATER PUMPS

DIAGNOSTICS & WORKSHOP EQUIPMENT

SERVICES

- SERVICE TRAINING
- TECHNICAL HOTLINE



Service parts

Product overview

Workshop customers expect their vehicle to function reliably when it comes out of service. Bosch therefore offers workshops a comprehensive range of high-quality service parts for maintenance.



Automotive bulbs

Automotive bulbs

- ▶ For a safe and relaxing journey
- ▶ Long service life and high light output
- ▶ Broad range

Batteries

AGM batteries (S5 A), EFB batteries (S4 E), SLI batteries (S5, S4, S3)

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

Braking components

Brake discs, brake pads, brake fluids and accessories

- ▶ Long service life and corrosion-protected
- ▶ Tight production tolerances
- ▶ Development and production according to Bosch quality guidelines all over the world

Filters

Fuel, oil, air and cabin filters

- ▶ Complete range from a single source
- ▶ Competence in injection systems
- ▶ Safety thanks to excellent product quality

Horns and fanfares

Electropneumatic and compressor type fanfare horns, normal tone, supertone and megatone horns

- ▶ Long service life and robust design
- ▶ Excellent sound, high quality

Lambda sensors

Lambda and particle sensors

- ▶ Reliable measurement
- ▶ Efficient emission control
- ▶ Quick and easy installation

Spark plugs/glow plugs

- ▶ The right spark plug/glow plug for practically any engine
- ▶ High quality thanks to innovative technologies
- ▶ Designed for high performance

Wiper blades

Bosch Aerotwin, Bosch Superplus

- ▶ Impeccable wiping performance for more safety
- ▶ Long service life, silent wiping
- ▶ Quick and easy installation

Technical spare parts

Product overview

Bosch is an experienced developer of vehicle components and an important original equipment supplier. This special know-how also characterizes the range of high-quality technical spare parts.



Gasoline and Diesel injection systems

Manifold fuel injection systems, direct injection systems, common rail systems, conventional injection systems

- ▶ High market coverage for almost all brands
- ▶ Comprehensive injection systems competence based on many years of experience as an OE supplier
- ▶ Quick availability of customised repair solutions right from the vehicle's market launch

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

- ▶ Comprehensive product range for a large number of passenger cars, which is constantly updated and further developed
- ▶ Innovative products that support fuel and CO₂ saving powertrain systems
- ▶ Long service life due to high-quality materials as well as production and test conditions as for original equipment parts

Steering systems

Hydraulic steering systems, steering pumps, electric steering systems

- ▶ Long service life thanks to the same production standards as for OE parts
- ▶ Comprehensive support for disassembly, assembly and putting into operation
- ▶ Reliable for a safe journey thanks to stringent functional and quality tests

Vehicle electronics

Electrical motors, water pumps, solenoid valves, engine cooling fans, 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

Bosch eXchange

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? The answer is Bosch eXchange. The comprehensive range of series remanufactured products makes vehicle repairs a success factor for automotive workshops.

Bosch eXchange



Bosch passenger car parts are also available as **Bosch eXchange** parts

Advantages at a glance

- ▶ **Excellent quality:** Bosch series remanufacturing is subject to the production standards as the production of new parts
- ▶ **High reliability:** Bosch eXchange products are subject to stringent functional and quality tests
- ▶ **Outstanding price-performance ratio:** up to 30% cheaper than comparable new parts which includes the same warranty
- ▶ **Long service life:** replacement of critical components and wear parts as well as professional remanufacturing of all other components

Workshop solutions for the future

Diagnostics, workshop equipment and services

For comprehensive and professional service on modern vehicles, Bosch offers perfectly coordinated diagnostic solutions, test equipment, spare parts and services from a single source.

Diagnostic solutions

Bosch's globally proven, future-proof control unit diagnosis offers suitable solutions for maintenance, diagnosis and repair in any workshop – easily, quickly and efficiently.

ESI[tronic], KTS and DCU accompany and support troubleshooting and repairs. Online maintenance and circuit diagrams, all important diagnostic functions, repair and troubleshooting instructions, manuals, vehicle data and experience-based repair cases (EBR) for over 150 brands provide comprehensive data for the workshop.

Workshop equipment

Equipped with innovative technologies, Bosch workshop products enable fast, easy and accurate maintenance, testing and adjustment of different vehicle systems.

Modern software solutions – such as Bosch Connected Repair – ensure that the customer, vehicle, fault and repair information required in the workshop is always on hand and up-to-date.

Services and workshop concepts

From technical hotlines and training courses to workshop concepts, Bosch offers technical support and services from industry experts.

The expertise of trainers with industry experience is available to workshop employees in Bosch training centre's specially designed for practical training.



Efficient Bosch workshop solutions

- ▶ Diagnostic Solutions
ESI[tronic]/KTS/DCU
- ▶ Battery Service BAT
- ▶ Diesel Component Testing EPS/DCI
- ▶ Emission Analysis BEA
- ▶ Vehicle System Testing FSA
- ▶ Advanced Driver Assistance Systems
Calibration DAS
- ▶ Air Conditioning Service ACS

Workshop solutions for the future

Diagnostics & workshop equipment

Easy.
FAST.
Check ✓



Everything is possible with ESI[tronic].



Vehicle maintenance, diagnosis and repair is now easier, faster and more efficient than ever before with this globally proven software. ESI[tronic] provides you with the latest, most comprehensive support and guidance for troubleshooting and repair as with previous versions.

Now, in ESI[tronic] 2.0 Online you'll find maintenance and circuit diagrams, all important diagnostic functions, repair and troubleshooting instructions, manuals, vehicle data and experience-based repair cases (EBR) for more than 150 vehicle brands.

- ▶ Vehicle identification via KBA key or VIN
- ▶ ECU diagnostics for cars, vans, trucks and two-wheeler systems in only 20 seconds, on average
- ▶ All relevant data for repair and maintenance according to manufacturer specifications
- ▶ Required actions presented logically with easy-to-follow instructions
- ▶ The very latest vehicle and maintenance information always available, thanks to online updates
- ▶ Part of Bosch Connected Repair, our workshop connectivity solution

Workshop solutions for the future

Diagnostics & workshop equipment

Diagnostics are becoming increasingly important for garages to ensure professional service and repair. The new generation of vehicle diagnostic solutions from Bosch supports all current and future Ethernet-based vehicle technologies (DoIP). Our vehicle diagnostic solutions are developed to meet the requirements of professional workshops in their day-to-day tasks.

Experts from Bosch Automotive Training and the Bosch Hotline offer further support and assistance with complex diagnostic and repair cases.



DCU 220: Diagnostics for all applications

The DCU 220 is a convertible notebook and tablet PC in one and enables flexible and convenient working at any time – especially in the harsh workshop environment. It controls the testing and diagnostic systems of the Bosch KTS series and its modern design is equally impressive. The high-performance Windows 10 PC is a milestone in terms of speed, making it a premium diagnostic device among the Bosch DCU.

DCU 120: The mobile workshop companion

The DCU 120 is a portable, rugged 11,6-inch tablet PC with full HD touch screen, designed specifically for everyday workshop use. The DCU 120 is equipped with Windows 10 operating system and controls the separately available ESI[tronic] 2.0 Online diagnostic software. In combination with one of the two communication modules KTS 560 or KTS 590, the DCU 120 allows mobile vehicle diagnosis.

The robust specialists: KTS 560 and KTS 590

The communication modules KTS 560 and KTS 590 are based on state-of-the-art technology with the integrated Ethernet interface, and are optimally adapted to the use of the diagnostic software ESI[tronic] 2.0 Online. To simplify everyday tasks in the workshop, the devices can be connected to any Windows PC on which the ESI[tronic] 2.0 Online software is installed.

Workshop solutions for the future

Diagnostics & workshop equipment

DAS 3000: The system solution for ADAS professionals with focus on efficiency, precision and technology trends

Bosch DAS 3000 S20

Bosch now introduces DAS 3000 S20 for front and rear facing camera & radar calibration.

The solution is scalable, fast, accurate and designed for windscreen specialists, body shops and professional all-makes workshops.

- ▶ Calibration equipment for front and rear facing camera & radar systems
- ▶ Camera-based - greater accuracy and increased speed
- ▶ Combined VAG target and radar reflector (included)
- ▶ Accurate positioning in relation to the "vehicle driving axis"
- ▶ Universal wheel clamp with targets
- ▶ Automatic distance measurement (distance target via reference panel)
- ▶ Positioning software included (Requires DCU 220 or own laptop)
- ▶ Multibrand target support and all-makes capable with vehicle-specific calibration via Bosch ESI[tronic] 2.0 software.



ESI[tronic] 2.0 software for ADAS calibration

Bosch ESI[tronic] 2.0 workshop software completes the ADAS calibration equipment. It provides users with several vehicle-specific calibration and adjustment routines for radar/camerabased assistance systems. Workshops are supplied with data and adjustment methods for the sensor adjustment on all common vehicle models on the market.

Learning at the highest level – Bosch Workshop Services

With our wide range of services, partners of the Bosch network can benefit from access to all of Bosch's knowledge, technical expertise and comprehensive practical experience from decades of workshop support. Fast efficient diagnosis and repair, with the expertise of Bosch Technical Support.

Experience Based Repair Known Fixes (Module EBR)

EBR gives you access to repair cases which were resolved successfully. Find the correct solution for challenging technical problems within seconds.

EBR is an information type of Bosch ESI[tronic] 2.0.

Technical Request

With the technical request from ESI [tronic] 2.0 we optimise the response time, improving the efficiency of your workshop employees.

You benefit from the comprehensive knowhow of our Bosch Technical Support.

Visual Connect

Bosch developed the Visual Connect app to provide an easier way to diagnose vehicle problems. If you can't convey your problem over the phone, show it to the service team via a video call. Simple and fast.

Technical Hotline

Bosch Technical Hotline available to offer diagnostic support for independent workshops

Remote Diagnosis

Our service team can assist your workshop by accessing your diagnostic equipment to identify the problem faster and more effectively. You save time, money and achieve the solution in the most convenient way.

Bosch Technical Support

Bosch Training Solutions

Bosch offers service solutions for every target group, from beginners to highly-experienced professionals, from short to longer courses. Our technical courses provide participants with a comprehensive understanding of most vehicle systems available on the market. Besides Bosch's own systems, the courses also cover systems made by other manufacturers. Course content is geared very much towards practical application and has been specially designed to address the needs of automotive workshop personnel. Bosch's programme also includes business training, offering the tools and know-how to empower participating automotive workshops to run their businesses successfully in the long term and grow in a highly competitive industry.



Giving you the practical advantage:

- ▶ Works hand-in-hand with your diagnostic routines
- ▶ Years' of experience with vehicle technology
- ▶ Help with almost all vehicle brands and systems
- ▶ Much faster solutions to complex problems
- ▶ Increased employee motivation and customer satisfaction
- ▶ Professional support

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 and effective 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 technical support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

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