

Invented for life



# Bosch eXchange

Starters and alternators



# Bosch eXchange starters and alternators

## Overview

The Bosch eXchange range of starters and alternators provides workshops with a high-quality alternative for value-based vehicle repairs on passenger cars and commercial vehicles. These exchange products are tested according to the same quality standards as original parts but they are much more economical. Workshops can thus offer their customers attractive repair solutions based on the current vehicle value.

### Comprehensive range

Bosch provides car and commercial vehicle workshops with an extensive exchange program of starters and alternators from various manufacturers. This program is continually being updated and further developed to meet the needs of workshops and their customers. It includes a high proportion of remanufactured products and can be supplemented with new products if necessary to ensure a high degree of market coverage and supply availability.

### Certified series remanufacturing

The series remanufacturing process takes place at certified Bosch plants and in line with the same standards applied to original equipment. This ensures the high quality and reliability of Bosch eXchange products.

### More than 60 years of experience

Bosch bears decades of experience in remanufacturing automotive parts. For more than 60 years now, Bosch has been offering workshops industrially remanufactured starters and alternators.

### High market coverage

With a vehicle parc coverage of approximately 80% on all relevant reman markets, the Bosch eXchange range suits almost all vehicle makes.

### Proven quality

The Bosch eXchange logo on the box and the product label identifies starters and alternators that have undergone an intensive testing process as part of the exchange program.



### Easy core return via CoremanNet

Clear return criteria, quick pick-up and immediate deposit value crediting ensure trouble-free core returning.



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



### Outstanding price-performance ratio

Featuring a **price advantage** of up to

# 30 %

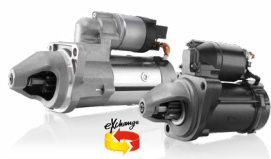
in comparison with comparable products from new parts programs, Bosch eXchange products are an outstanding solution for value-based vehicle repair.

**And they come with the same warranty as in the new parts program.**

# Bosch eXchange starters and alternators

## Product range and details

Whether reliable engine starting or power supply for the electrical on-board system, in both cases you can fully rely on Bosch eXchange starters and alternators. Specialized engineers ensure compliance with the stringent quality requirements also throughout the remanufacturing process. The result: convincing products providing high performance even under tough conditions.



	Bosch eXchange starters	Bosch eXchange alternators
	<b>High starting performance:</b> Bosch eXchange starters enable reliable starts even under extremely adverse conditions such as heat, cold or moisture.	<b>Reliable power supply:</b> Bosch eXchange alternators ensure outstanding power supply even in case of high demands placed on the electrical on-board system.
Power	12 V/24 V	14 V/28 V
Technology	Conventional; start/stop	3-phases/5-phases/6-phases winding
Scope of application		

### Advantages at a glance

- **High reliability for starting and power supply:** Bosch eXchange products are tested to the same standards as original parts and need to pass strict functional and quality tests
- **Long service life:** Critical components in the remanufactured starters and alternators are replaced by high-quality new parts. All other components are checked, professionally remanufactured or replaced with new parts if necessary
- **Immediately ready for operation:** The exchange products are ready for installation and precisely matched to the corresponding application

## Series remanufacturing compared with repair – advantages of Bosch eXchange



### Series remanufactured exchange unit

- Restoring the **original condition**
- Standardized and IATF 16949-certified **industrial series remanufacturing** process
- **The unit is disassembled**, components are replaced, and both the individual components and the whole unit are checked to make sure the required specifications are met
- The series-remanufactured part comes with the **same warranty as in the new parts program**
- The **quality** of the series remanufactured product **compares to the quality of a new one**



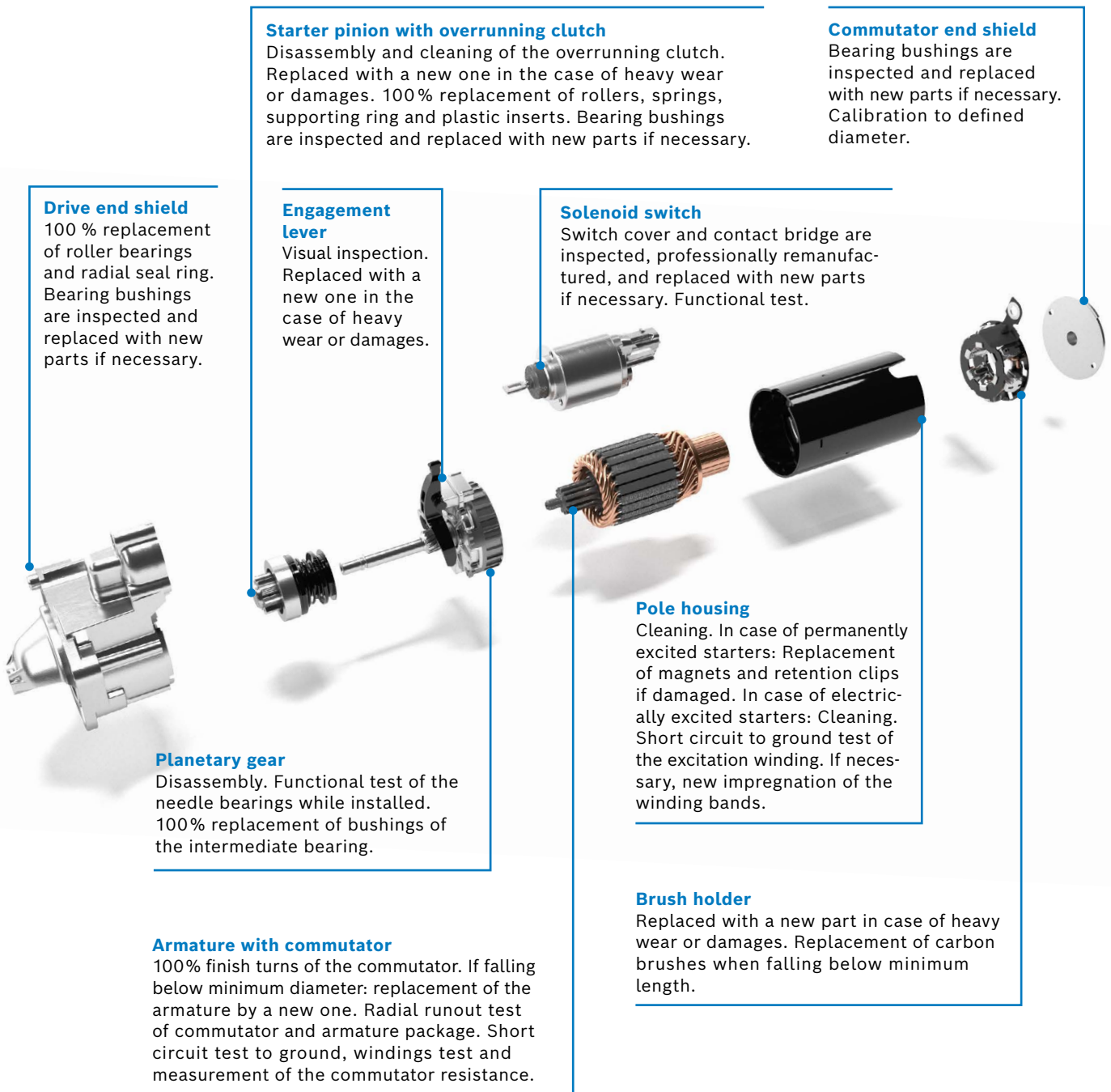
### Unit repair

- Restoring the **usability**
- Individual **repair procedure**
- Only the **defective component is repaired**, other components and parts are not checked
- The **warranty** is usually restricted to the **repaired component**. The period is usually shorter than with new or series-remanufactured parts
- After the repair, the **functionality** of the product is restored. Warranty promises are usually restricted to the repaired component

# Bosch eXchange starters

## Details on series remanufacturing

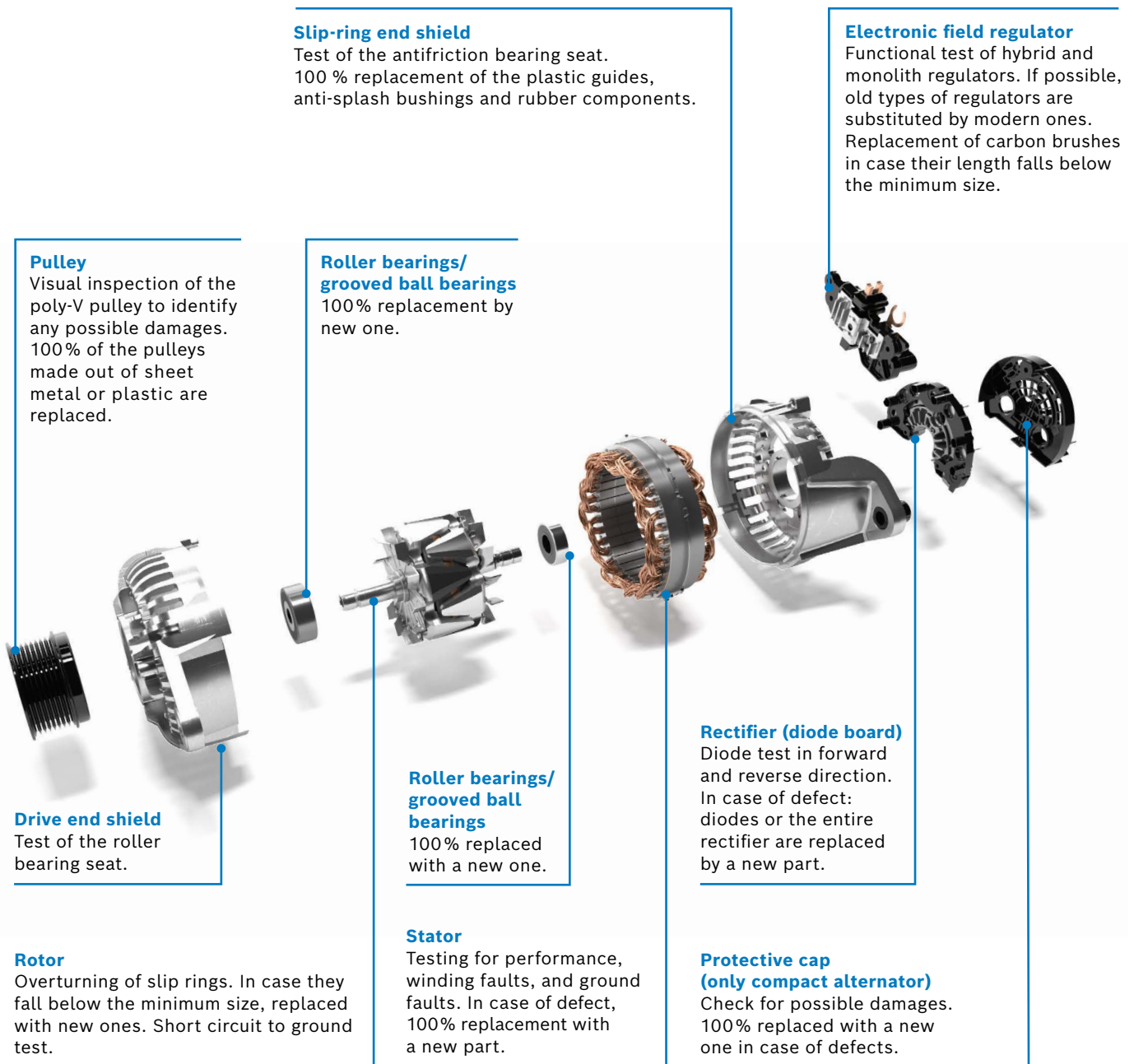
At the certified series remanufacturing process, all of the individual starter components are tested with regard to their functionality. Depending on the test results, they are remanufactured by means of different measures.



# Bosch eXchange alternator

## Details on series remanufacturing

At the series remanufacturing of alternators, all assemblies are tested and revised in line with clearly defined specifications. Doing so, certain components are replaced 100% by new ones.



# Bosch eXchange starters and alternators

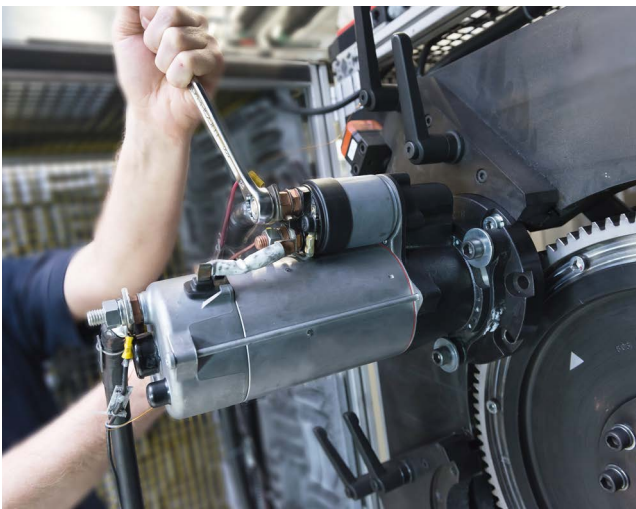
## Quality standards

Not all exchange products are created equal. Certified plants and processes, as well as stringent testing, ensure premium Bosch quality at the same level as new parts production, even during series remanufacturing.



### Certified plants

The Bosch plants remanufacturing Bosch eXchange starters and alternators are audited in accordance with IATF 16949. That is, the complete industrial remanufacturing process is certified and performed in line with the stringent standards applied to original equipment.



### Stringent product approval procedures

Yet before their remanufacturing even begins, all products have to pass an approval process based on OE standards. Therefore, they are subject to extreme conditions while their service life, vibration resistance, resilience to environmental influences and leakproofness are checked at different test procedures. As a result, only those products meeting the high quality demands of Bosch are added to the range of exchange parts.



### Uncompromising quality

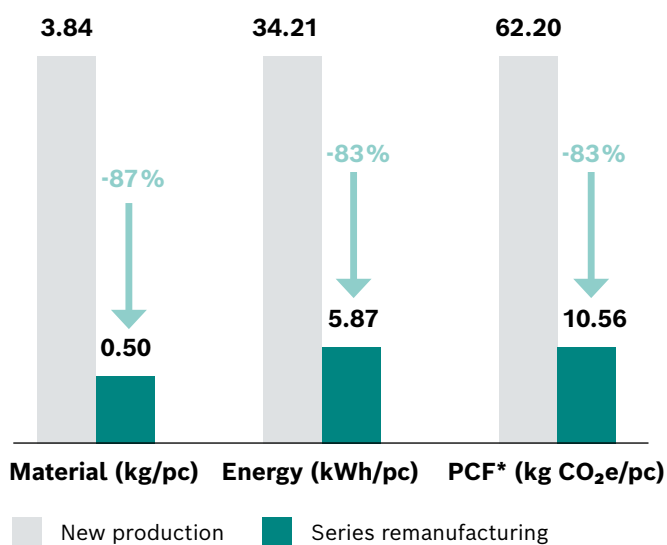
At the series remanufacturing, critical components are systematically replaced by high-quality parts approved by Bosch. The remaining components are meticulously checked to make sure they precisely meet the permissible tolerances. If required, they are reconditioned or replaced by new parts. Finally, the performance and functionality of each and every remanufactured starter or alternator is tested in accordance with OE standards. Only those units which passed 100 % of these tests are released and can leave the plant. This ensures the high quality and reliability of series-remanufactured Bosch eXchange products.

# Bosch eXchange

## Sustainability through series remanufacturing

The Bosch series remanufacturing of used products saves material and energy and reduces the product carbon footprint (PCF)\* compared to corresponding new production. By carrying out value-based repairs using Bosch eXchange products and the associated return of old parts, workshops, together with Bosch, are making an important contribution to the circular economy.

### Product carbon footprint\* of a starter remanufactured by Bosch



### Certified by TÜV Rheinland



For more information – scan the QR code!

Source: Internal CO<sub>2</sub> calculation (**cradle-to-gate**) according to ISO14067, certified by TÜV Rheinland

\*All greenhouse gas emissions, expressed as carbon dioxide equivalents (CO<sub>2</sub>e), from raw material extraction through transport and production to the factory gate (cradle-to-gate) are taken into account.

### Did you know?



By remanufacturing starters, Bosch saves around 50 kg of CO<sub>2</sub>e per unit, because that's how much more CO<sub>2</sub>e the production of a new product would create.

To absorb this amount of CO<sub>2</sub>e each year, you would need about **four beech trees per starter.\*\***

\*\*Calculation basis: A common average value of 12.5 kg CO<sub>2</sub> per beech tree per year is assumed. This is based on the life cycle of an 80-year-old beech tree.

# 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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