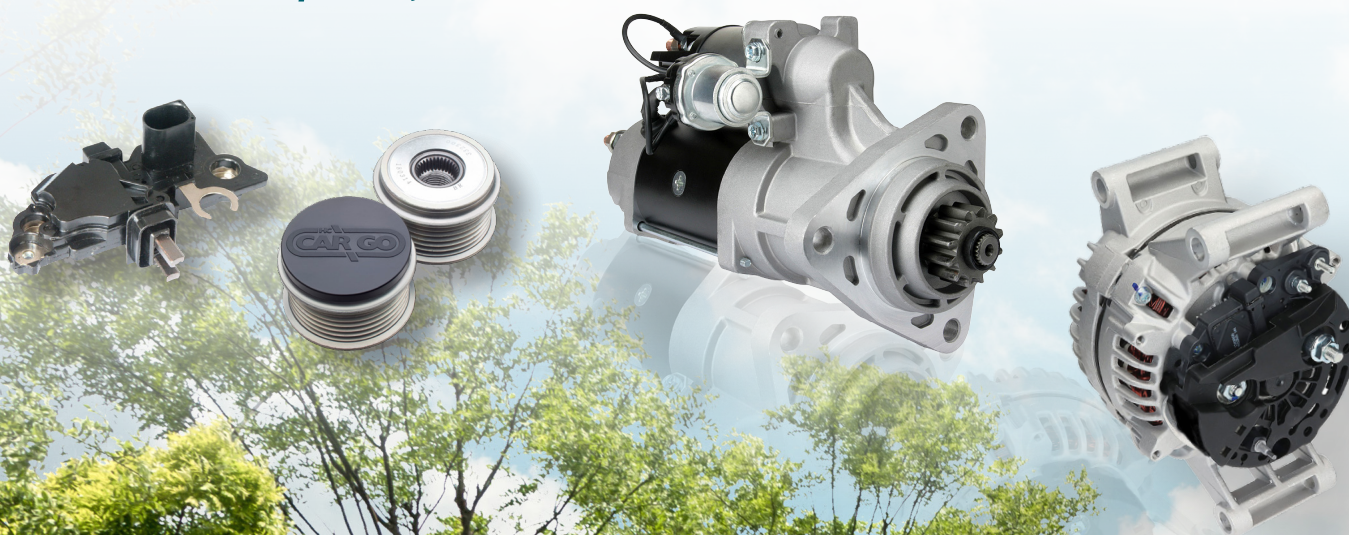




Starters, Alternators and Components

About our portfolio



Your Trusted Partner

Your Trusted Partner!

A broad portfolio of starters and alternators

Extensive Programme - 3,400+ Products

- ☛ We offer an extensive programme with all parts for starters and alternators
- ☛ All HC - CARGO products are **Newman** and therefore **free of surcharge!**

High quality for the Independent Aftermarket

We secure the quality you are familiar with from HC-CARGO - approved by our experienced quality engineers.

Market Coverage

- ☛ Our starters and alternators cover over 270 million vehicles in the European market
- ☛ You can find our products listed in TecAlliance
- ☛ Please note that the products can cover several automotive segments

Overview of the areas of application

Segment	PC / LCV	Agricultural/Industrial	Other	Total
Starter	790+	560+	210+	1560+
Alternators	1310+	350+	230+	1890+

Illustration of the label



Appealing Packaging

Our starters and alternators are delivered in attractive green and blue packaging. This creates a strong brand identity and makes it easy to find our products on your shelves.

Our cross reference list has over 175,000 references to search!



Your Trusted Partner!

Thoroughly tested products & processes



Worry free returns

Due to our high quality standards, our complaint rate for Starters and generators in 2023 at 1.17%!

Two year warranty

- We pride ourselves on excellent quality and back this up with a two year warranty, giving you peace of mind in your product choice.



Rigorous test procedures

- Our QA engineers test the parts for interaction, perfect fit and easy installation before they are approved and released for sale. Our test procedures ensure that we keep our promises.

Certified systems and processes

- We are awarded with ISO 9001:2000 certification.



HC-CARGO and Bosch as the perfect quality alliance

- We apply both our own and Bosch standards for quality controls and audits at suppliers
- Choose high standards without making compromises

Quality is key to us!

Our dedicated technical team constantly ensures product quality through reliable and sustainable processes!

- We are using
 - ✓ Optical tests
 - ✓ Fit and function tests of spare parts (both electrical function and dimension)
 - ✓ Performance and endurance (incl. break-down and temperature) tests
 - ✓ Knowledge and solid experience

Only when tests have been successful, are the products approved and released for sale.



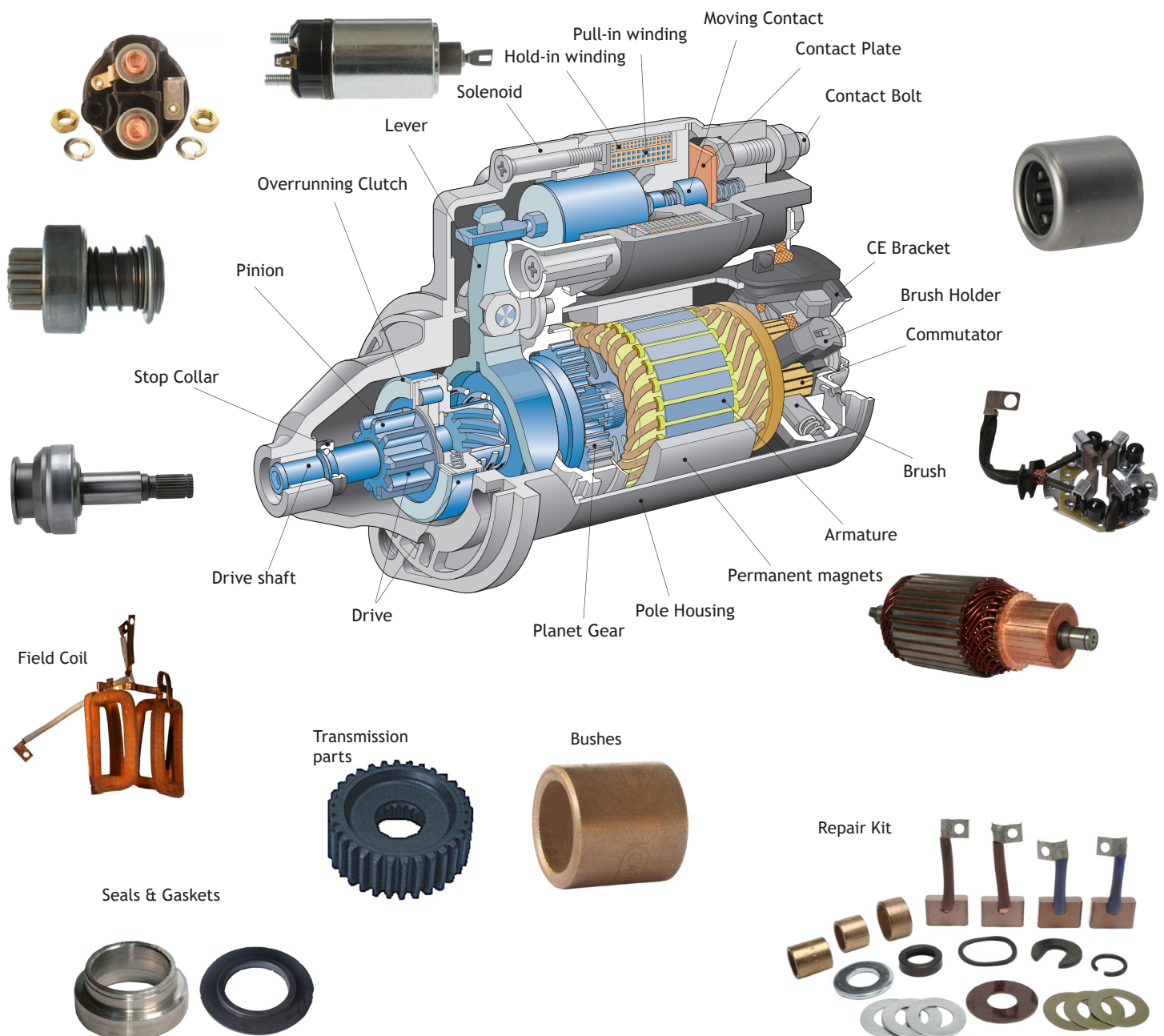
Test procedure

Category	Who	What	Where	When
Starter & Alternators	Supplier + HC-CARGO	Complete tests	At supplier + HC-CARGO QA	Before 1st order + incoming inspection on delivery
Spare Parts	Supplier + HC-CARGO	Test of prototype for fit and function	At supplier + HC-CARGO Esb.	Before 1st order + incoming inspection on delivery

Your Trusted Partner!

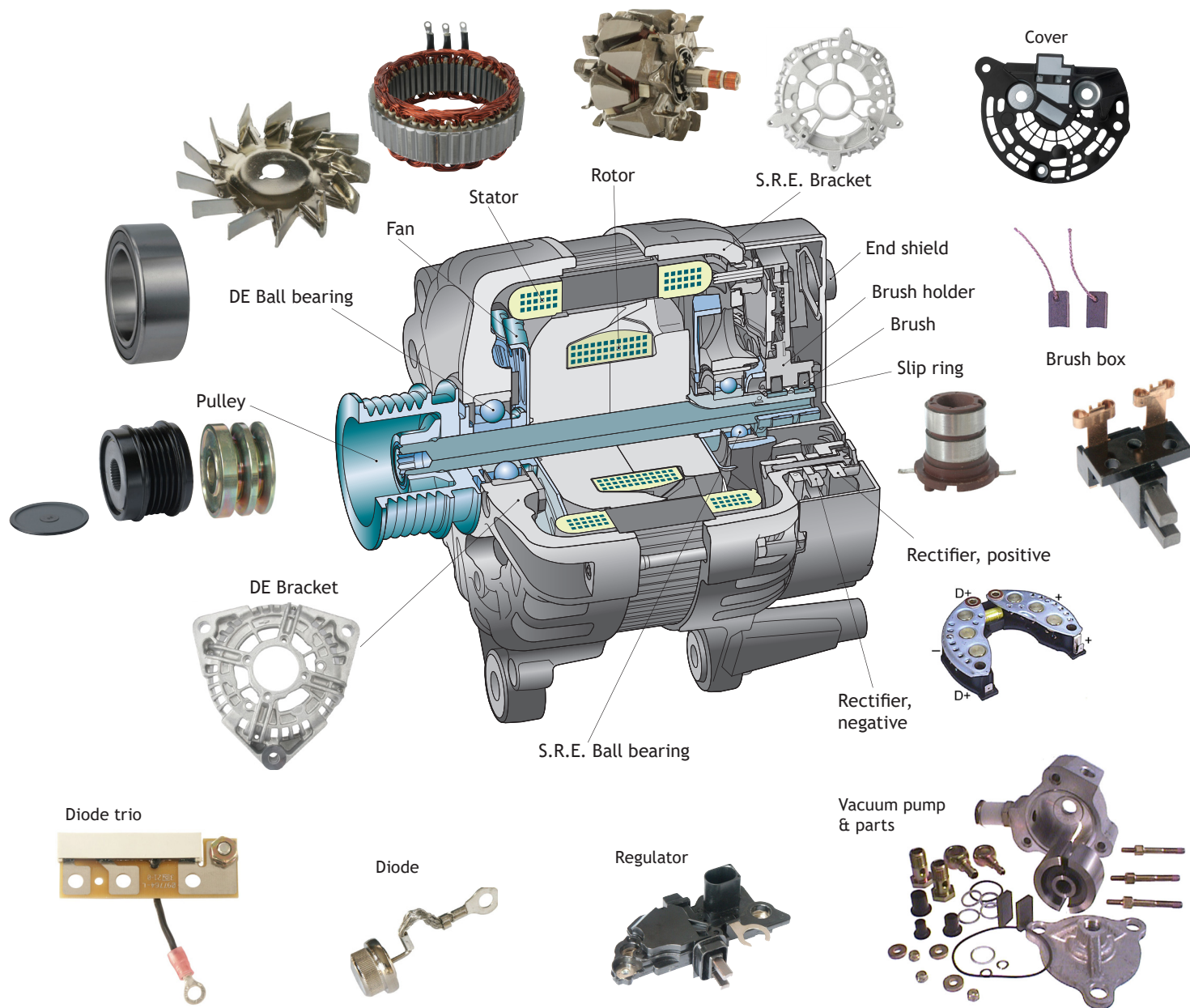
Starters & Components

- HC-CARGO component range
- High EU market coverage = all relevant parts for starters and generators
- Includes application areas such as TRUCK and AGRICULTURE
- More than 8,500 item numbers
- More than 1,000 OE spare parts supplied by original equipment manufacturers, the so-called OE or OEM suppliers such as Bosch, Valeo, Nikko, Sawafuji etc.



Your Trusted Partner!

Alternators & Components



Our Value Proposition



Our extensive range of repair parts includes common & hard to find items. Current data can always be found at www.hc-cargo.com



Proven quality parts at a fair price, allowing you to make value for money, quality repairs.



HC-CARGO is your contact for specialists and dealers. You get a direct line to our internal experts and online access to our technical data.

Your Trusted Partner!

HC-CARGO - Your Provider

Get access to our data universe

Always up-to-date

- Live, online data sheets

Technical specifications, photos and bill of materials (BOMs)

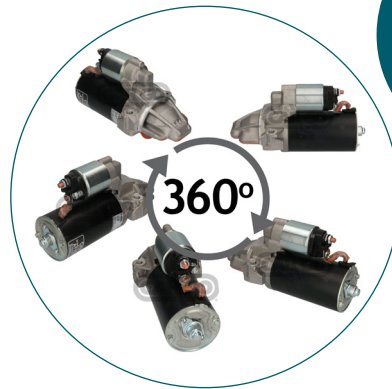
- Access to our extensive base of Master Data
- Cross Lists - including references to OEMs,
- Competitors and car manufacturers applications lists. We offer application lists with the latest vehicle fleet information

Marketing

- 360 degree product photos
- A variety of printed marketing materials
- Support with materials for fairs and events

Technical questions?

Get in touch with our friendly, Customer Service Team



Professional Logistics Set Up Top Class Delivery Service

Delivery performance - your security for supplies

- Overall delivery performance to customers: >90% (2023)
- Advanced scanning system = high picking quality and low claim rate

Fast delivery

We deliver to you both from our regional and our global logistics centre in logistics centre in Wrocław, Poland within 24 hours if required.

Our goods always leave our premises safely packed.
No matter whether you need a small spare part or an entire pallet.



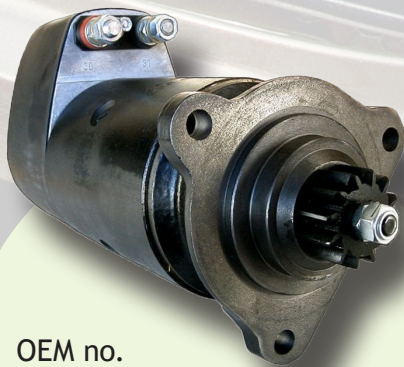
How to look up components related to a specific unit!

- 1 Go to www.hc-cargo.com
You need to log-in (If you do not have a login you have to sign up as customer)
- 2 Type in the OE number in the "Search"-field
- 3 Press the BOM (Bill Of Material) button
- 4 The Bill Of Material list opens.
In this example the list consist of 52 components - here we only show 5 of the components.

The screenshot shows the HC-CARGO website interface. Step 1: The user is on the homepage and clicks the 'Login' button. Step 2: The user enters the OE number '0001417065' in the search field. Step 3: The user clicks the 'BOM' button next to the search results for 'Bosch 0001417065'. Step 4: The 'BOM - BOSCH 0001417065' page is displayed, showing 52 products found. The first five products are listed:

- 131311 - Armature** (Fits Units, Go to BOM)
OEM manufacturer: Bosch OEM number: 2004005024
- 135860 - Drive** (Fits Units)
OEM manufacturer: Bosch OEM number: 2006382190
- 131312 - Field Coil** (Fits Units)
OEM manufacturer: Bosch OEM number: 2004125083
- 140197 - Needle Bearing** (Fits Units)
OEM manufacturer: Bosch OEM number: 2000910002
- 130305 - Solenoid** (Fits Units)
Alternatives: 333159
OEM manufacturer: Bosch OEM number: 0331450002

Example of one application and the many components we offer to it!



OEM no.
0001417065
HC-CARGO F032112116 Starter
Application example:
Volvo FH 12 380
from 01-03-1998

BOM list			
Product no.	Product name		
F032131311	Armature	F032131448	Oil Seal
F032231646	Bolt	F032131449	Oil Seal
F032900061	Brush Set	F032131444	O-ring
F032900073	Brush Set	F032134607	Repair Kit
F032131499	Brush Spring	F032137001	Repair Kit
F032140011	Bushing	F032132843	Rod
F032140111	Bushing	F032135876	Screw
F032133488	C.E. Bracket	F032333162	Solenoid
F032137000	C.E. Bracket	F032130283	Solenoid
F032130317	Clutch	F032130305	Solenoid
F032231369	Clutch Housing	F032131450	Spring
F032131454	Clutch Housing	F032190579	Spring Lock Washer
F032139339	Cup Washer	F032190580	Spring Lock Washer
F032135860	Drive	F032333633	Stop Collar
F032131312	Field Coil	F032133603	Terminal Bolt
F032190589	Flat Washer	F032139360	Terminal Bolt
F032191290	Flat Washer	F032137029	Terminal Bolt
F032139340	Gasket	F032230019	Terminal Kit
F032190780	Hex Nut	F032139071	Terminal Kit
F032190492	Hex Screw	F032231055	Terminal Lead
F032131841	Key	F032231056	Terminal Lead
F032190555	Machine Screw	F032231021	Threaded Pin
F032190545	Machine Screw	F032231019	Through Bolt
F032140197	Needle Bearing	F032231020	Through Bolt
F032140198	Needle Bearing	F032131453	Washer
F032136169	Nut	F032131445	Washer

Your trusted Partner!



Automotive

Very high coverage as to European vehicle population



Trucks, trailers & buses

Very high coverage as to European vehicle population



Agriculture and Industrial

High coverage as to European vehicle population



Marine

Selected parts for marine vessels



Motorcycle

Selected parts for motorcycles

Our domain is auto-electrical parts

Our vision is to create value at all levels. With a forward-looking and customer-oriented approach we build sustainable relations and assist our partners and customers in running successful business.

Our business relations help us to stay a leading supplier of auto-electrical components in Europe.

HC-CARGO's high performing - and regularly trained - associates take responsibility and dedicate their talents to ensure the best service to our partners. We are happy to assist you with know-how and experience in your daily business.

6 decades of market presence have given us experience in handling innovative products and in-depth market knowledge.

Furthermore we have excellent contacts to after-market manufacturers, so you can be assured that we live up to all the industry's benchmarks and high quality standards.

All these things considered, this gives us the expertise to help you finding the best solutions for your business and customers now and in the future.

History

The Danish entrepreneur Holger Christiansen (1927-2000) laid the foundation for the HC-CARGO brand's success story back in 1963. The company's headquarters was located in the city of Esbjerg, Denmark. HC-CARGO has faced all the market changes and technical developments with its forward-looking and customer-oriented spirit, which is still the driving force for all our employees.

For more than 60 years, customers have come to appreciate not only the high quality of HC-CARGO products, but also the excellent service and the strong partnership.

Today, HC-CARGO starters, alternators, automotive electrical spare parts and accessories are an integral part of the independent mobility aftermarket.

HC-CARGO has been a part of the Bosch Group Company since 2008

