



The NK range of starters and alternators covers the majority of car models and ages in the European market and is made up to meet the independent aftermarket's need for a reliable and durable range.

NK starters and alternators are "Made in Germany" based on re-man. The production is ISO 9001 and ISO 14001 certified and all processes are strictly controlled.

Although re-man, our range is sold as "buy-and-use". We do not bother you with a complex core handling process.

Our number system is simple and market adapted which makes identification and crossing easy.

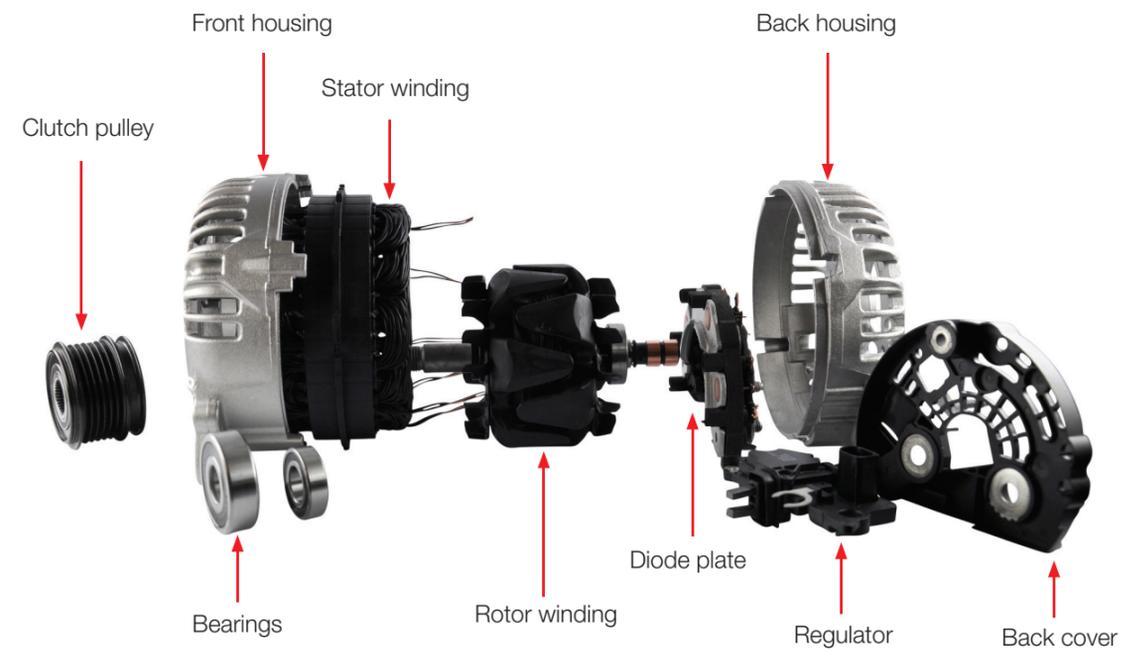
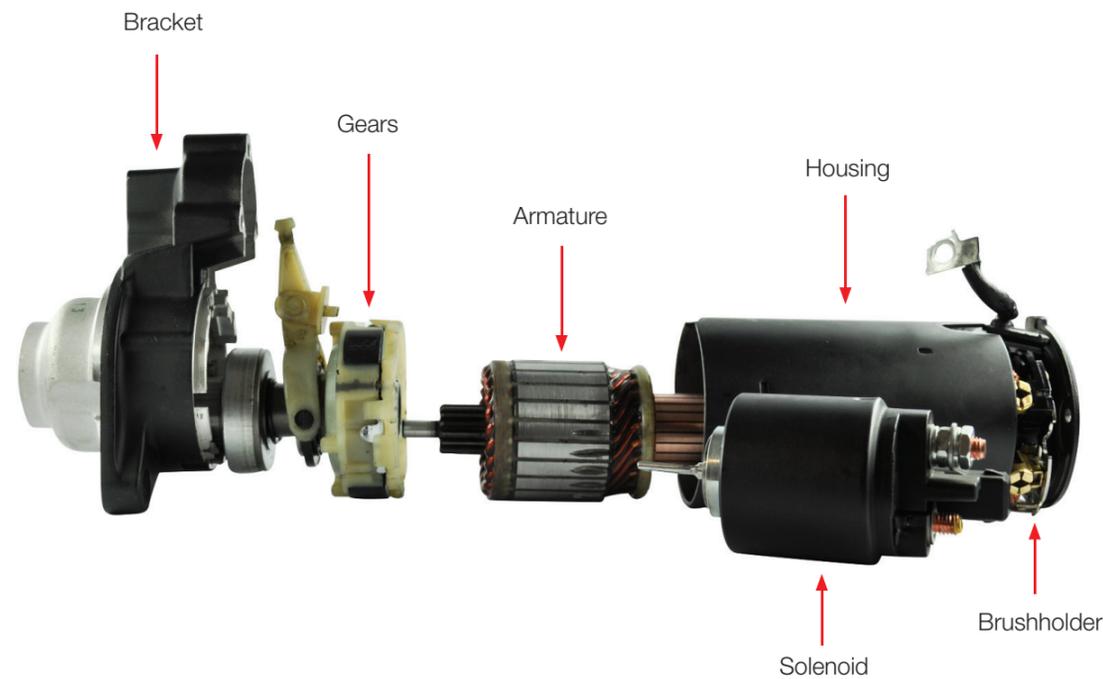
Like other NK products, the starters and alternators are Matching Quality Parts featuring a three-year-guarantee against material and production failures.



## Starters and Alternators

# Starters

# Alternators



Each starter is disassembled and all components are cleaned, verified, processed and predominantly replaced.

All processes are subject to quality control.

The quality of the remanufactured starters correspond to the specifications of the vehicle manufacturer.

**Solenoid**  
All contact points are renewed and electrically tested.

**Brushholder**  
The carbon brushes are renewed.

**Housing**  
Completely cleaned and checked for damages. The surface is treated.

**Gears**  
Planetary gear  
All worn parts are renewed and the gear is tested regarding its functionality.

Freewheel gear  
Pins, springs and other wear parts are always renewed. Pinions are refurbished or renewed if necessary.

**Bracket**  
Sealings, bearings and bushings are always renewed.

**Armature**  
Completely surface treated and tested for electrical functionality.

Each alternator is disassembled and all components are cleaned, verified, processed and predominantly replaced.

All processes are subject to quality control.

The quality of the remanufactured alternators correspond to the specifications of the vehicle manufacturer.

**Clutch pulley**  
The surface is cleaned and treated, the pins, springs and bearings are renewed.

**Front and back housing**  
Completely cleaned and checked for damages, the surface is cleaned and treated.

**Stator winding**  
The surface is treated, the windings are electrically checked.

**Rotor winding**  
Surface treatment and renewal of all wear parts (slip rings and bearings). Full electrical inspection

**Bearings**  
Only new parts are used.

**Diode plate**  
After initial inspection damaged diodes are renewed and a full electronic inspection is made afterwards. Usually the diode plate gets completely renewed.

**Regulator**  
Carbon brushes are renewed and each regulator is fully electronically tested. The whole regulator is renewed if necessary.

**Vacuum Pump**  
The discs are renewed and the pump is tested regarding its functionality.

