

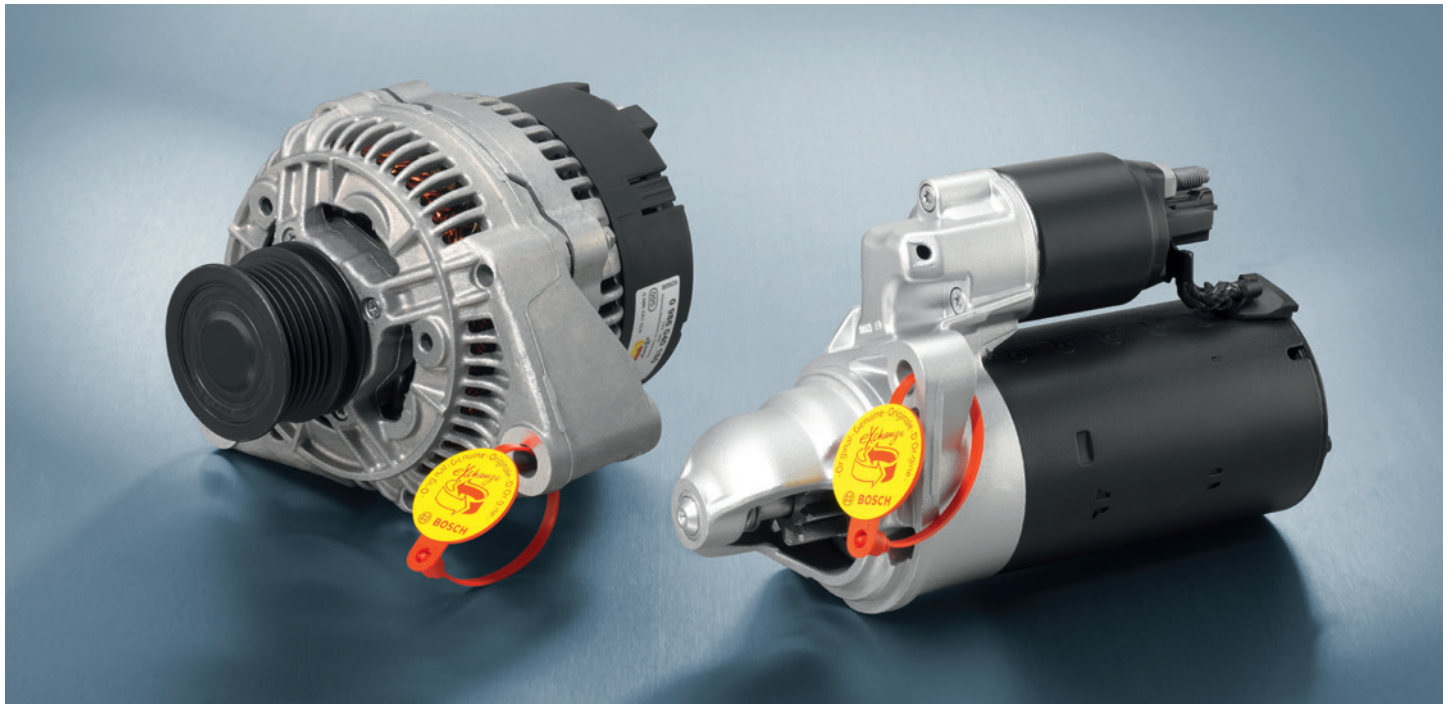
Rotating Electrics

Overview, features and benefits

www.boschautoparts.co.uk



BOSCH
Invented for life



- ▶ Bosch only use original equipment manufacturer core in the remanufacturing process to ensure a high quality product
- ▶ Only Bosch certified quality replacement parts are used in the remanufacturing process
- ▶ In addition to end of line functionality tests, Bosch also selectively "lifetime test" units in production to ensure they are meeting Bosch's high quality standards
- ▶ 2 year warranty on all units

Core Selection

- ▶ "To end with the best, you must start with the best"
- ▶ Bosch only use recognised original equipment manufacturer core in the remanufacturing process
- ▶ Original equipment manufacturer core guarantees the quality level of the unit that was originally fitted to the vehicle

Spare Part Quality

- ▶ 100% replacement of wearing and critical parts
- ▶ Non wearing parts undergo rigorous testing procedures to ensure conformity
- ▶ New components are sourced only from Bosch certified plants and are of high quality

Testing Process

- ▶ All units are end of line tested for functionality
- ▶ Samples from each batch are "lifetime tested"
- ▶ Results of testing are constantly monitored to ensure no deviation from specified limits

100 years of experience in the development and manufacturing of original equipment starters and alternators.

Rotating Electrics

Start/Stop variants

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Developments

Starter motors and alternators have evolved with start/stop technology due to the increased number of vehicle starts and the demands for the battery to be charged faster than on non start/stop vehicles.

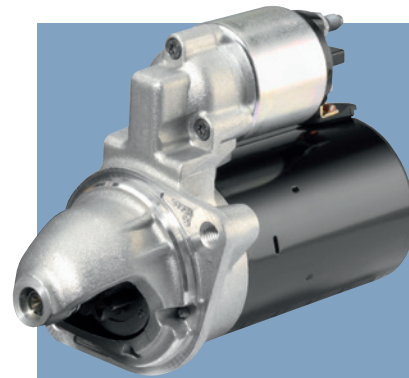


Start/Stop Alternator

Efficiency Line alternators start supplying the vehicle electrical system with power immediately after starting the engine and allow rapid charging of the battery

Benefits

- ▶ Increased charging performance, 77% versus 65% for a standard alternator
- ▶ Excellent power output even at low engine speeds
- ▶ Increased performance and reduced fuel consumption
- ▶ Improved driving experience



Start/Stop Starter Motor

Starters for start/stop systems are designed for many more starting operations than conventional starters

Features

- ▶ Reinforced bearings
- ▶ Enhanced planetary gear unit
- ▶ Heavy duty meshing mechanism
- ▶ Optimised commutator

Benefits

- ▶ Restarts the vehicle quickly and quietly every time
- ▶ Delivers up to 300,000 starting operations versus 150,000 for a standard starter motor

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- ▶ In addition to end of line functionality tests, Bosch also selectively "lifetime test" units in production to ensure it is meeting Bosch's high quality standards
- ▶ 2 year warranty units