



Alternators and Starters



BOSCH

Invented for life

Worldwide OE Experience

Bosch has been a major supplier of rotating electrical products to OE vehicle manufacturers since 1913. Securing OE certification requires strict adherence to stringent precision and performance criteria. These same exacting criteria are also applied in the manufacturing of all Bosch aftermarket alternators and starters. Whether 100% remanufactured or new, Bosch Premium Alternators and Starters are quality built and 100% factory tested to ensure years of reliable performance, even under the most extreme operating conditions. That's why they are preferred by more professional installers.

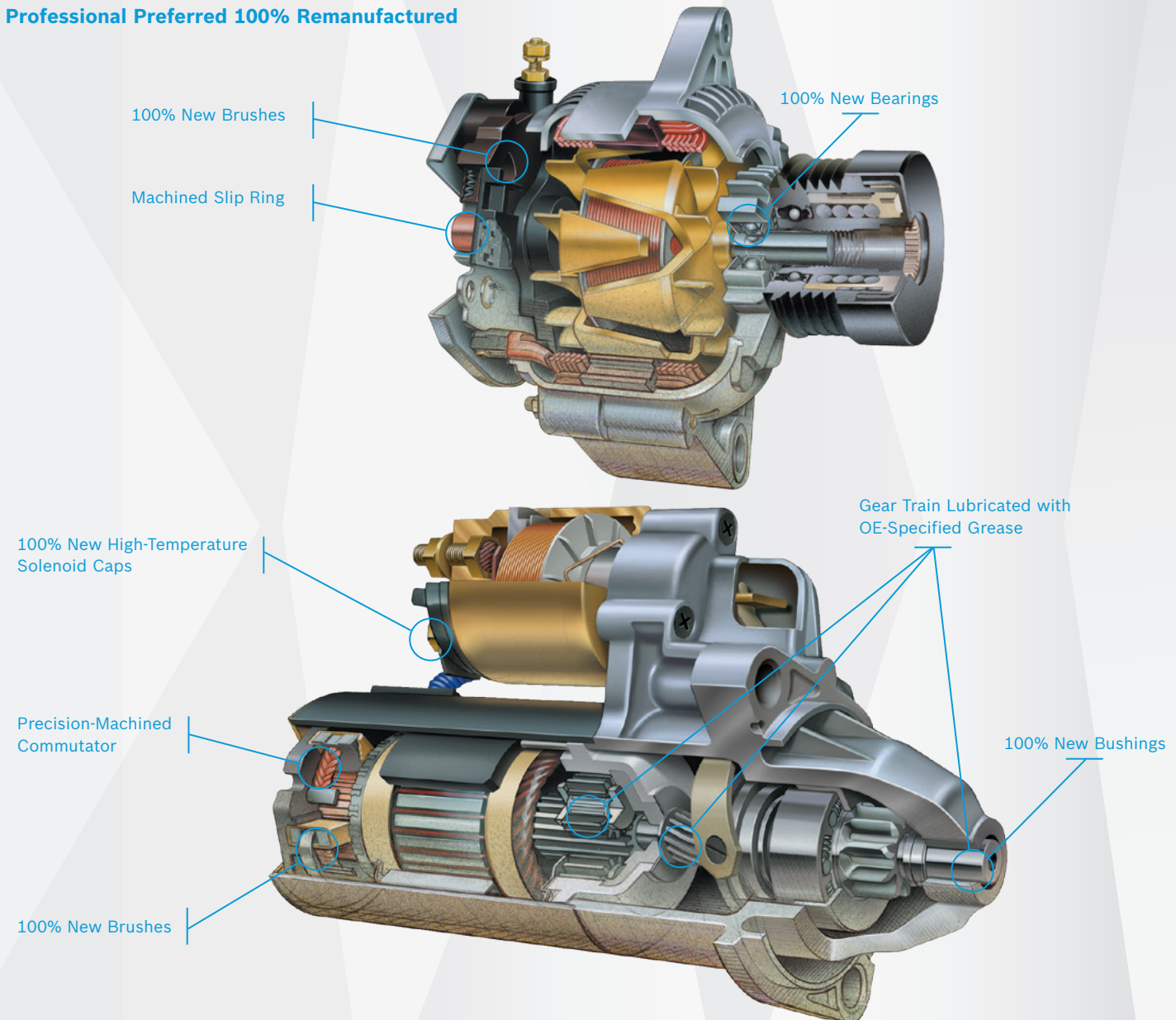
Bosch manufactures and supplies alternators and starters for virtually every vehicle manufacturer.

The Best Value

There's more to value than simply price. In fact, research has shown that professional installers are willing to pay more for Bosch quality. The benefits they realize far outweigh the price difference. Bosch quality means virtually no comebacks, reduced warranty returns and satisfied customers. In addition, the Bosch program offers the industry's best coverage with fewer SKUs so you can offer your customers broad coverage without

Built for Extremes of Heat, Cold and High Demand

Professional Preferred 100% Remanufactured



overextending your inventory. In the final analysis, when you stock Bosch, Remanufactured or New, you're earning higher resale profit dollars.



Bosch Ultimate Protection Plan

Only Bosch offers the peace-of-mind of this value-added, totally FREE, emergency roadside assistance program. Simply stated, if any Bosch Premium Alternator* or Starter fails within two years of the date of purchase, Bosch will provide a free jump-start or tow from a qualified roadside service provider. This exclusive Bosch service is available 24 hours a day, seven days a week, anywhere in the United States or Canada.

*BUPP does not include 100% New High Output Alternators



Bosch Professional Preferred 100% Remanufactured Alternators and Starters

- Built to last using the highest quality materials and the most technologically advanced manufacturing processes
- Remanufactured using more new parts than any other unit
- 100% exhaustive multipoint quality and performance testing throughout the remanufacturing process ensures optimum starting and charging performance under all operating conditions
- Every unit is full-load tested to guarantee compliance with Bosch strict performance specifications
- 24-month unlimited mileage warranty

Alternators

- Voltage regulator 100% tested for OE voltage specifications (new on GM and Ford)
- Rectifier 100% tested (new on Ford)
- Diodes 100% tested (replaced with new as required)
- Rotor 100% performance-tested for maximum electrical output
- 100% new long life sealed bearings with special high load, high temperature grease
- Stator 100% insulation and phase balance tested
- Slip rings 100% new or remachined to +/- .05mm, the tightest tolerance in the industry
- 100% new long life self-lubricating brushes
- 100% new clutch pulleys
- All terminals, insulators and hardware provided
- All mounting points 100% gauged and resized or rethreaded for proper fit
- 100% computerized/full-load tested for total performance and output

Starters




- Solenoid with 100% new terminal hardware, contact face and high temperature cap, are completely disassembled and computer-performance tested for pull/hold strength
- 100% new long life self-lubricating brushes
- Gear train all new bushings
- Drive with 100% new bushings, springs, rollers, washers caps and high-temperature lubrication
- Gear train lubricated with OE-specified grease providing protection from -40°F to +302°F
- Commutator remachined to Bosch tight tolerances
- Permanent magnets/field coils tested for field strength and shorts (replaced with new as required)
- Armature continuity tested, gauged, straightened and shimmed
- All electrical connections resoldered
- All shaft splines and load bearing surfaces lubricated with OE high-temperature grade
- Drive gear 100% chamfer tested
- All seals and gaskets replaced per original equipment
- 100% full-load tested for maximum torque, amp draw and RPM



Bosch Professional Preferred 100% New Alternators and Starters

- Built with original equipment quality components to withstand excessive heat and high electrical demand
- Identical in fit and performance to the OE parts they replace
- The perfect solution for certain problematic late-model applications that place an extreme burden on unit components in a high-heat environment
- 100% full-load tested for proven starting/charging performance
- Lifetime warranty



	Brochure	Trade Brochure	Consumer Brochure	Application Catalog	Other Tools Available
	Bosch Ultra Premium Long Haul Alternators	2213353 (F00E380612)		2212152 (F00E380075)	Wall Chart 2213308
	Long Haul Extreme Alternators	2213682 (F00E380851)		2212152 (F00E380075)	Wall Chart 2214302
	Bosch Ultra Premium School Bus Alternators	2213358 (F00E380621)		2212152 (F00E380075) 2213354 (F00E380618)	
	Bosch Refrigeration Alternators & Starters	2213310			Application Guide 2212168
	100% New Universal Alternators	2247160		2212161	
	Premium Alternators and Starters Professional Preferred	2213296	2213295		Counter Mat 2214132 Counter Card 2214138 Troubleshooting Guide 2212108 (F00E380059)



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