

Bosch Premium 100% Reman Starters

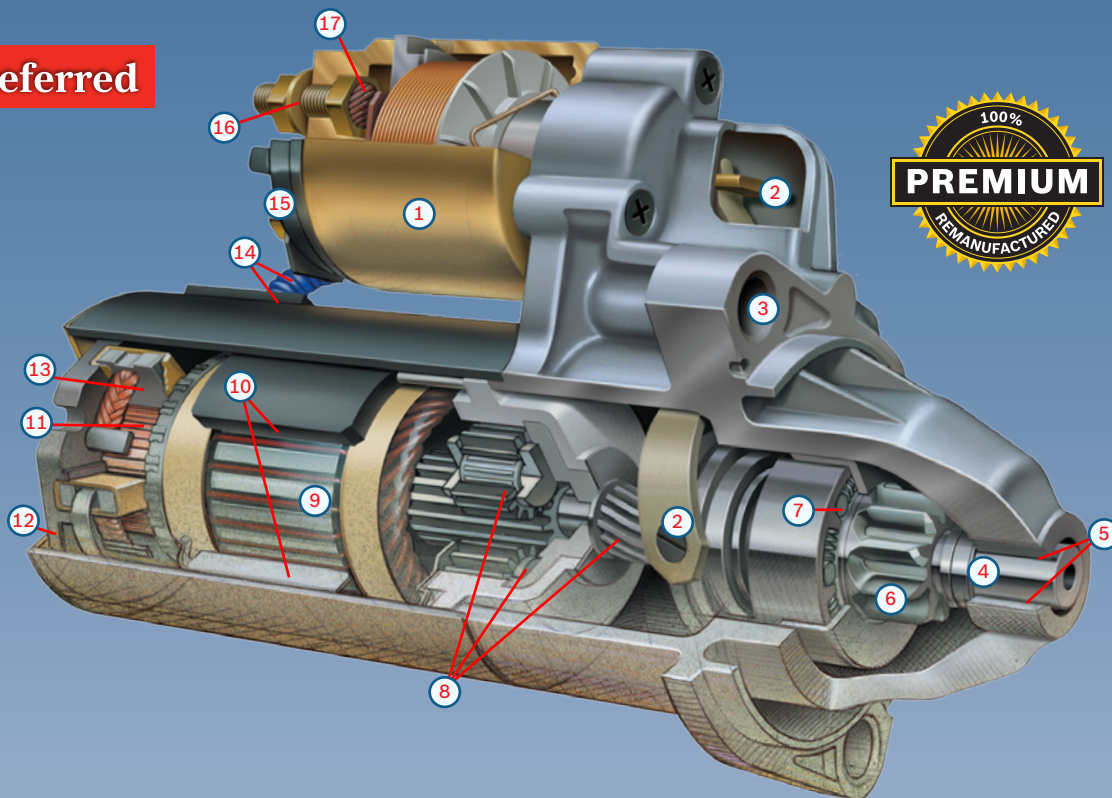


BOSCH

Invented for life

Professional Preferred

Full-load tested to meet OE manufacturers' amperage, voltage, torque, and RPM specifications



24 Hour/Month
Roadside Assistance

- | | |
|---|--|
| 1 Solenoid
- Tested for continuity, pull in and hold strength | 9 Armature
- 100% checked for continuity, gauged and straightened
- Replaced with new if it does not meet strict Bosch specifications |
| 2 Shift levers
- Dimensions checked and aligned for proper throw out and engagement | 10 Permanent magnets
- Tested for field strength |
| 3 Housing & mounting surfaces
- Mounting holes inspected and all threaded holes re-tapped or replaced with stainless steel threaded inserts for easy installation | 11 Commutators
- Remachined to tight Bosch specifications
- Replaced with 100% New as required |
| 4 100% new snap rings | 12 Brush plate holder
- Realigned and replaced as needed |
| 5 100% new bushings/needle bearings | 13 100% new brushes |
| 6 Pinion gears
- Chamfer checked and replaced if needed | 14 Seals & gaskets
- Replaced per original equipment |
| 7 100% new roller springs | 15 100% new solenoid cap |
| 8 Shafts & splines
- Lubricated with OE specified grease providing protection from -40°F to +302°F | 16 100% new hardware |
| | 17 100% new contact surfaces in solenoid |

Built for Extremes of Heat, Cold and High Demand

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Features	Benefits
Load tested for OEM torque, amp draw, and RPM	Ensures cranking performance and reliability
All seals and gaskets replaced per original equipment	Water and oil tight for longer service life
All electrical connections re-soldered	Ensures electrical conductivity under high load
All components 100% cleaned and corrosion protected	Eliminates failure of electrical and mechanical components due to contamination
Solenoid	
Completely disassembled	Allows complete inspection and testing of all components
100% new terminal hardware	Improves electrical connections
100% new contact surface	Ensures maximum cold starting current
100% new high temperature cap	Prevents failure due to current leakage under heavy load
100% copper winding tested	Ensures proper performance under severe conditions
100% pull/hold tested	Eliminates potential unseen sources of failure
Field coils	
100% tested for insulation and continuity	Weak, shorted, and open fields replaced with new for ensured maximum torque performance
Permanent field magnets	
100% tested for field strength	Ensures maximum torque performance
Armature	
100% tested for insulation and continuity	Weak, shorted, and open armatures replaced with New for ensured high torque performance
100% alignment gauged and straightened	Ensures specified clearances for maximum torque performance
Commutator	
Machined to < .05 mm run-out	Eliminates brush bounce for longer life and maximum power
100% gauged to rigid Bosch diameter specifications or replaced with 100% new	Ensures longer life
Brushes	
100% new brushes	Longer life and maximum power
100% new springs where available	Eliminates brush bouncing and excessive arching for longer life
Brush plate/holder gauged and realigned	Properly aligns new brushes for maximum life and performance
Bushings/bearings	
100% new armature support bushings/bearings and gear train bushings	Ensures maximum life and performance
Drive end	
100% new bushings	Delivers maximum torque and ensures more positive starts
100% new rollers, springs, and cap	Eliminates starter clutch slippage
100% pinion gear chamfer gauged	Ensures proper engagement and reduced ring gear wear
100% high temperature OE quality lubrication on all pivot and contact points	Ensures efficiency of drive engagement between -40F to 302F, reduces wear and load on stress and friction points
Shift lever gauged	Ensures perfect drive engagement