

**TECHNOLOGY FOCUS** 

# **Cranking Performance That You Can Count On**

Visteon manufactures millions of new starters every year for leading automakers around the world. For the aftermarket, Visteon also remanufactures starters using a process similar to the way new starters are made. Components are gauged, sorted, tested and renewed to Visteon OE quality specifications, and new vital parts are replaced where needed. All must meet strict Visteon standards.

Scheduled testing of starters from the assembly line includes loading the starter to a Visteon OE quality specification. Instead of a "one size fits all" approach, Visteon test engineers make certain that each starter model is tested with the load specification for its particular applications.

Because of this attention to OE quality, a Visteon Premium Remanufactured Starter installs quickly and provides cranking performance you can count on.



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# Visteon® Premium Remanufactured Starters

The remanufacturing of starters begins with a process engineered and controlled by Visteon that is similar to how new starters are made. Included in this process is the frequent testing of models to assure Visteon OE quality standards are consistently met.

#### **How Visteon Remanufactures A Starter:**

**Housing**—Mounting threads, surfaces inspected and renewed as necessary

**Bushings, Rollers, Springs, Caps**—Replaced throughout

**Brushes**—Replaced throughout where applicable

**Solenoid**—Renewed and tested to OE specifications

**Armature**—Inspected, straightened and balanced as necessary

**Commutator**—Machined, tested for "run out" or replaced as necessary

**Drive Gears**—Inspected and replaced as necessary

**Lubrication**—All pivot and contact points inspected and lubricated

### **Performance Testing**

Visteon Premium Remanufactured Starters are tested to make certain they meet OE quality standards for every application. Visteon has OEM laboratory facilities to support engineering and quality testing of aftermarket products, including remanufactured starters. At the laboratory, production samples are performance tested based on their application. Few remanufacturers have the capability and facilities to test products this thoroughly.



## **Testing Steps**

- O Free spin (spinning at speed to make test measurements)
- O Check current draw
- O Check running torque
- O No-load life test
- O Load life test (preload starter based on application load specification)

Depend on Visteon Premium Remanufactured Starters to install easily and operate dependably—and provide a more economical repair. For those who want the extra benefits of new parts, Visteon also offers 100% New Starters.



Aftermarket Source for OE Quality™

Visteon Customer Service:

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