



CONNECT

JUNE 2018

Smart IMS Kit Now Available

Applicable to Every Delco Remy Genuine Starter

Last year, we unveiled the Smart Integral Magnetic Switch (IMS), or Smart IMS. This innovative feature is eliminating the frustration customers experience with failures they believe are starter-related. Now we have the Smart IMS kit available, which enables it to be applied to any Delco Remy genuine starter.

“The Smart IMS kit is reinvigorating older trucks that don’t have ECU starter controls,” explains Michael Kirk, Senior Staff Engineer. “It works equally well on a Delco Remy 42MT™ or 40MT™ starter. It’s also ideal for over-the-road and off-highway applications.”

Easy installation of the kit also makes it attractive. The kit was designed as a drop-in, built-in replacement that only requires one additional connection.



Benefits of the Smart IMS

Top Six Failure Modes	Smart IMS Protection Feature
Click-no-crank (driver annoyance) Solenoid prolonged power	Engagement monitor/Auto-retry
Damaged pinion & ring gear teeth	Rapid re-engagement lockout
Engagement into running engine, damaged pinion & ring gear teeth	Running engine lockout
Over crank and solenoid chatter due to low battery state of charge	Low voltage lockout
Over crank	Time-limited crank
Extended overrun	Auto-disengage at engine start

Each Smart IMS kit includes:

- IMS Assembly
- 2 Bolts
- Ground Lead
- Cable Tie
- Instruction Sheet

Order the Smart IMS kit today!

12V: 61006822

24V: 61006824

Tech Tip: Installing the Smart IMS

With its many advantages, the Smart IMS is being adopted by more and more fleets. You'll find that many of the steps are like any IMS replacement. However, with a Smart IMS, there is an additional lead to be terminated to the motor terminal.

Removing the Starter

To begin, disconnect the batteries from the vehicle to make it safe. Then remove the starter from the engine per the vehicle manufacturer's instructions. Once you have the unit off the engine, you'll need to:

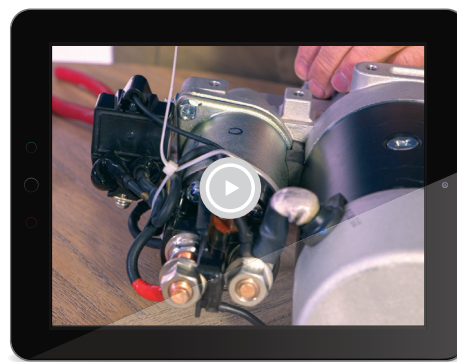
- Remove the IMS leads from the motor terminals.
- Remove the IMS from the motor. (Tip: Keep all fasteners for reuse.)
- Remove the solenoid motor terminal nut.
- Clean all connections in preparation for reassembly.

Installing the Smart IMS

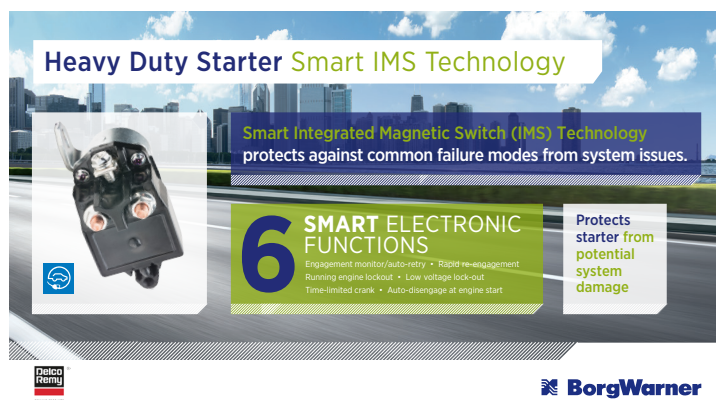
- Begin by mounting the ground lead, if required, between the IMS mounting and solenoid ground terminal.
- Mount the new Smart IMS onto the motor.
- Attach the Smart IMS motor terminal lead (a small diameter wire with large ring terminal) to the solenoid motor terminal.
- Attach the Smart IMS battery terminal lead (with a red insulator) to the solenoid battery terminal and keep finger-tight until mounting on the engine.
- Attach the Smart IMS switch terminal lead (with a small ring terminal) to the solenoid switch terminal.
- Next, secure all leads to the solenoid with provided zip tie and assure all fasteners are properly torqued.
- Finally, reinstall the starter per manufacturer's instructions and reconnect the batteries.

Watch Our Smart IMS Installation Video and Our Smart IMS Infographic Animation

Our latest Tech Tip takes you through the steps of installing the Smart IMS or using the Smart IMS kit.



Watch this video on YouTube at:
<https://tinyurl.com/SmartIMSTechTip>



Our Smart IMS infographic animation lists the six smart electronic functions that protect starters against common failure modes from system issues. Watch it on YouTube at: <https://tinyurl.com/SmartIMSInfographic>

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Stay connected to what's happening with Delco Remy genuine starters and alternators on the BorgWarner social media pages.



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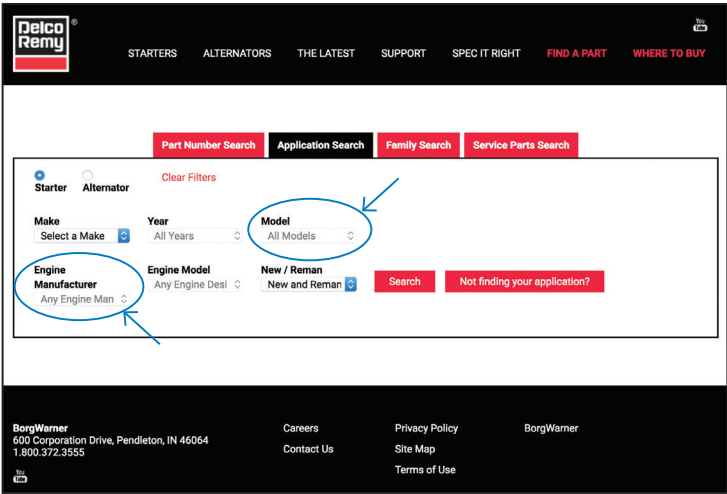


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Online Catalog Enhances Application Search

Our online catalog continues to grow as a key resource for heavy duty applications. And now we've made it even better! The Application Search tab has been updated to include the engine manufacturer and model. These additional fields help narrow a search even more, providing greater likelihood of search success. As always, if you don't find what you need, click the "Not finding your application?" button to send an email to our technical support team and someone will respond within 24 hours.



Product Highlight: BorgWarner Viscous Fan Drives

Viscous fan drives are the economical choice for efficiency, performance and quiet operation. These air-controlled fan drives—ideal for light, medium and heavy duty truck and off-highway applications—offer the latest in engineering innovations. The Viscous Fan Drives, along with other thermal products, can now be added to your order of genuine Delco Remy products. To learn more about the viscous fan drives functionality—watch the short video on the BorgWarner YouTube channel at: <https://tinyurl.com/BorgWarnerViscous>.



Features	Benefits
Fan only operates when required and at an appropriate speed	Improved efficiency—including a fuel and horsepower savings of 6% to 10% over fixed fans Reduced fan noise
Self-contained unit	No maintenance needed
Improved temperature control	Extended engine life
Smooth, soft fan engagement	Extended belt and accessory life
Bimetallic sensor that senses heat exchanger air temperature	Accurate fan engagement
Simple design with no external controls required	Improved reliability
Used with polymer or metal fan blades to fit a wide range of applications	Cost-effectiveness

BorgWarner Strengthens Commercial Vehicle Fleet Team

BorgWarner expanded its commercial vehicle fleet team with the addition of Curtis Cummings. With 38 years in fleet maintenance, Cummings is well-versed in all technical aspects of fleet support. He joins BorgWarner as a National Fleet Manager, serving customers in the southern region of the United States.



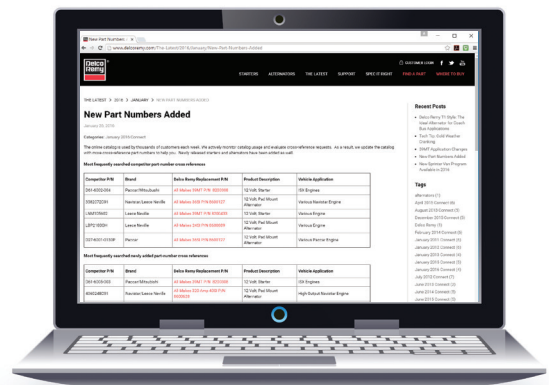
Cummings began his career as a technician before serving as a foreman and then a service manager. For the past 18 years, he worked for FedEx Freight as the Advisor of Maintenance Support. He regularly evaluated product features and benefits, ran product test programs, and assessed various cost-per-mile scenarios. His background in troubleshooting and specifying equipment will be a great asset to BorgWarner fleet customers.

Cummings is actively involved in the Technology and Maintenance Council (TMC) where he currently serves on the Board of Directors. In 2016, he was awarded the Silver Spark Plug, the organization's highest honor—making him one of seven BorgWarner employees to receive the prestigious award since its inception. He previously served as the TMC Electrical and Instrumentation Study Group Chairman (S.I). Cummings also is involved with the Society of Automotive Engineers (SAE) International's Truck and Bus Electrical Committee.

New Part Numbers

Go to The Latest at **delcoremy.com** to find the following:

- Newly released heavy duty starters
- New part number cross references
- Most frequently searched competitor part number cross references



Win a Spot for Your Shot



Australian distributor Baxters Pty Ltd shows off their pride in carrying the Delco Remy genuine products brand!

Send your creative shot to delcoremyconnect@borgwarner.com for a chance to score a spot in our next issue. Go to The Latest at **delcoremy.com** to download your own Delco Remy branded sign.