

# News Release



## **BorgWarner Introduces Smart Integrated Magnetic Switch for Delco Remy<sup>®</sup> Branded Heavy-duty Starters at NACV**

- *Six smart electronic functions protect starter from potential system damage*
- *Simple drop-in replacement for wide variety of heavy-duty starter applications with the first application in the 39MT<sup>™</sup> starter*
- *Warranty for Smart IMS covers nearly any system-related issue*

Auburn Hills, Michigan, September 20, 2017 – At the North American Commercial Vehicle (NACV) Show, BorgWarner will introduce the Smart Integrated Magnetic Switch (IMS) to the aftermarket. Designed for Class 6 – 8 on-highway trucks as well as off-highway agricultural, construction and stationary power equipment, the Smart IMS is integrated into the proven Delco Remy<sup>®</sup> Genuine Products 39MT<sup>™</sup> heavy-duty starter, enabling easy aftermarket replacement without any additional vehicle wiring required. Featuring six electronic functions, the Smart IMS protects the starter from potential damage caused by system or operator error. Due to this extensive protection, the 39MT starter with Smart IMS offers a more robust warranty than conventional starters.

“BorgWarner’s No. 1 replacement starter in the aftermarket has built a strong reputation for quality and dependability. With our new Smart IMS technology, the Delco Remy branded 39MT starter now offers protection for a wide range of potentially damaging system issues, drop-in replacement plus a more robust warranty,” said Randy Andis, Director, Commercial Vehicle Aftermarket, BorgWarner PowerDrive Systems. “Our patent-pending technology is designed to improve overall durability and reliability by specifically preventing failures caused by the system or operator. With virtually zero click-no-cranks, Smart IMS delivers added value and improved customer satisfaction.”

Six functions protect the starter from potential system failures. In case of click-no-crank, an engagement monitor automatically retries the starter without operator intervention to avoid overheating the solenoid. Rapid re-engagement lockout prevents damage to the pinion and ring

gear, running engine lockout averts failures from engagement with a running engine, and low-voltage lockout avoids overcranking and solenoid chatter. Time-limited crank also prevents overcranking, and auto-disengage at engine start avoids extended overruns. These functions combine to increase the life of the starter and engine while improving the driver's experience.

### **About BorgWarner**

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. With manufacturing and technical facilities in 62 locations in 17 countries, the company employs approximately 27,000 worldwide. For more information, please visit [borgwarner.com](http://borgwarner.com).

Delco Remy is a registered trademark of General Motors Corporation licensed to BorgWarner PDS (Anderson) L.L.C.



Debuting in the Delco Remy® 39MT™ heavy-duty starter, BorgWarner's new Smart Integrated Magnetic Switch (IMS) protects the starter from six damaging system failures, provides drop-in replacement and offers a more robust warranty than conventional starters.

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