

CONNECT

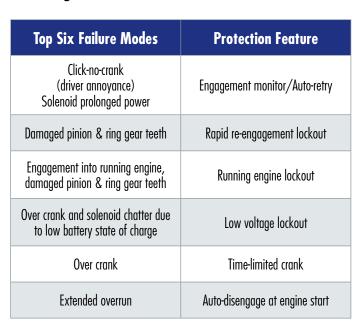
SEPTEMBER 2017

Smart IMS: Protection Against Potential System Damage

The Delco Remy® 39MT™ starter now boasts a new innovative feature that's simply "smart" and promises to eliminate the frustration customers experience with failures they think are system-related. This will be a simple drop-in replacement for a wide variety of heavy-duty applications.

Introducing the Smart Integral Magnetic Switch (IMS).

Smart IMS technology protects against six of the most common failure modes that arise from system issues. For each failure mode, there is a protection feature in the Smart IMS specifically designed to counter it and prevent the failure from occurring.



The Smart IMS resulted from our engineering and sales teams delving into system issues and determining there was a way to proactively prevent them.

"We were regularly hearing about failures that weren't due to faulty starters," explains Brian Koehlinger, Sales Manager, Aftermarket. "As we understood the issues better, we knew that they could be prevented and wanted to make that



Programmable Printed Circuit Board (PCB) connected to the IMS

prevention automatic. We designed "intelligence" for inside the starter to make sure these common failure modes don't happen."

The result was the Smart IMS, which contains failsafe features within the starter to prevent non-starter issues from damaging the starter and, worse, the engine. The Smart IMS senses when something is not in the proper mode and, as a result, doesn't engage the starter until the issue is resolved, either on its own or from a manual adjustment or repair.

In addition to eliminating the six failure modes, the Smart IMS prevents the costly repair or replacement costs—and denied warranty claims—that often result from these failure modes.

The Smart IMS will eventually be added to other Delco Remy starters.

	39M1 Rotatable Flange All Makes	Rotatable Flange All Makes with Smart IMS
12 Volt	8200308	61003201
24 Volt	8200330	61003202

Tech Tip: Removing and Replacing Alternators with Remote Sense

emote sense is a feature on some Delco Remy 33SI™, 34SI™, 35SI™ and 36SI™ alternators. It utilizes a small sense wire that reads the actual battery voltage and signals the regulator to increase voltage output as needed, ensuring constant battery voltage. Alternators without remote sense attempt to regulate off the battery connections on the alternator terminal and cannot ensure the same battery voltage response.

Because of the remote sense feature, you risk damaging the internal resistor and a warranty denial if you don't follow the exact removal and replacement sequence. Our latest Tech Tip video explains the proper way to remove and replace alternators equipped with remote sense.

To help avoid accidentally damaging the resistor, the following steps should be taken when removing an alternator with remote sense.

- **STEP 1** Remove all battery grounds.
- **STEP 2** Remove the alternator ground.
- **STEP 3** Locate and remove the remote sense fuse.
- **STEP 4** Remove the B+ cable from the alternator positive post.
- **STEP 5** Remove the remote sense terminal wire.
- **STEP 6** Remove the alternator.

Likewise, use the following steps in proper sequence when installing the alternator with remote sense.

- **STEP 1** Mount the alternator.
- STEP 2 Install the remote sense wire.
- STEP 3 Install the remote sense fuse.
- **STEP 4** Install the alternator positive cable.
- **STEP 5** Install the alternator ground cable.
- **STEP 6** Install all grounds.



If you have any questions, visit **delcoremy.com**, or contact us at **800-372-0222**.



Tech Competitions Showcase Knowledge and Expertise

very year, we sponsor the electrical circuit station at state trucking associations' technician competitions around the country.

"It's always exciting to see the best technicians in the country compete and showcase their vast knowledge," says Rob Steele, Application Engineering Manager.

The tech competitions are part of the company's broader customer training efforts. On an annual basis, we participate in more than 30 technician competition events around the United States. We also

conduct onsite training and offer an online training program. The investment of time and effort is well worth the return.

"By participating in these events, we're training the technicians that use our products—we're helping them learn to properly diagnose and troubleshoot



problems," says Randy Wilson, Technical Support Representative, who coordinates our participation at many state trucking association technician competitions. "We help them think of the overall health of the entire electrical system, not just the starter and alternator. And, with a broader knowledge, techs are providing longer product life and fewer warranty returns, so it's a win-win for everyone."



In addition to training events, our tech support team is available daily for problem-solving and technical issues.
You can reach us at 800-372-0222 or via drts@borgwarner.com.

Application Guide: Kenworth & Peterbilt Trucks

f you want to reduce inventory, cover more applications and increase your sales, we can help.

Go to delcoremy.com (Support > Download literature) to download our Starter & Alternator Application Guide for Kenworth & Peterbilt trucks. The guide includes starter and alternator cross references to help you get started!

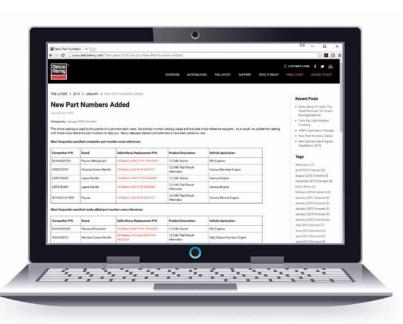


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New Part Numbers



- Newly added part number cross references
- Most frequently searched competitor part number cross references





SPOT FOR A SHOT

Are you a fan of our Tech Tip videos? Here's the crew behind them! Special thanks to the Westcomm video production team for helping us share important technical information in an engaging, easy-to-follow manner.

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.

Teaming Up with Our Customers

enske's Regional Service Trainers, who together cover 600 locations in the United States, visited BorgWarner recently to discuss technician training practices. Their input will be used to help troubleshoot issues and reduce warranty claims. Because we view ourselves as partners, we regularly collaborate with our customers to make processes and practices more effective—for them and for us.

