



**Immediate Release**  
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**BORGWARNER BERU SYSTEMS PRODUCES THREE MILLIONTH**  
**PRESSURE SENSOR GLOW PLUG (PSG) FOR DIESEL ENGINES**

*BorgWarner's Award-winning Pressure Sensor Glow Plugs*  
*Help Optimize Combustion, Improve Cold Starts and Reduce Emissions*

Auburn Hills, Michigan, January 22, 2013 – BorgWarner BERU Systems has delivered more than three million pressure sensor glow plugs (PSGs) to diesel automakers around the world. By optimizing the combustion process, BorgWarner's PSGs help improve engine performance and reduce emissions where they start – in the combustion chamber. The first and only manufacturer to produce a PSG in series production, BorgWarner supplies numerous automakers including Audi, Isuzu, Opel and VW. PSG technology debuted in 2008 on the VW Jetta in the United States and has been launched on several other diesel engine platforms since then. BorgWarner expects demand to increase substantially over the coming years and plans to produce its ten millionth pressure sensor glow plug by 2016.

“BorgWarner’s award-winning pressure sensor glow plug technology demonstrates how optimizing the combustion process can not only improve performance but reduce emissions,” said Brady Ericson, President and General Manager, BorgWarner BERU Systems. “With stringent new emissions standards on the horizon, we expect demand to grow significantly among global original equipment automakers.”

BorgWarner’s PSG combines a highly efficient glow plug to improve diesel engine cold starts with an integrated pressure sensor to improve engine efficiency. The sensor measures the rapidly changing in-cylinder pressure in the combustion chamber and continuously reports it to the engine control unit. By establishing closed-loop control of engine pressure, the PSG allows the engine controller to constantly regulate fuel injection

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quantity and timing in order to optimize the combustion process. Built with a robust steel heating rod and a piezo-resistive sensor, BorgWarner's PSG helps enhance engine efficiency for maximum performance, reliable starts in cold temperatures, improved fuel economy, lower NO<sub>x</sub> emissions and optimum torque control.

BorgWarner's PSG technology has received several awards, including a 2009 Automotive News PACE Award, the 2008 Eureka Lillehammer Award and the 2006 Automechanika Innovation Award.

### **About BorgWarner**

Auburn Hills, Michigan-based BorgWarner Inc. (NYSE: BWA) is a technology leader in highly engineered components and systems for powertrain applications worldwide. Operating manufacturing and technical facilities in 57 locations in 19 countries, the company develops products to improve fuel economy, reduce emissions and enhance performance. Customers include VW/Audi, Ford, Toyota, Renault/Nissan, General Motors, Hyundai/Kia, Daimler, Chrysler, Fiat, BMW, Honda, John Deere, PSA, and MAN. For more information, please visit [borgwarner.com](http://borgwarner.com).



BorgWarner BERU Systems has delivered over three million pressure sensor glow plugs (PSGs) to diesel automakers and aftermarket customers around the world. PSGs combine a highly efficient glow plug to improve diesel engine cold starts with an integrated pressure sensor to improve engine efficiency.

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