

BORGWARNER EQUIPS NEW GENERATION OF DIESEL ENGINES FROM
VOLKSWAGEN WITH PRESSURE SENSOR GLOW PLUGS

BorgWarner's Award-Winning Cold-Start Technology Helps Reduce Emissions and Improve Fuel Economy for Volkswagen Group's New Diesel Engine Platform

Auburn Hills, Michigan, June 24, 2014 – BorgWarner supplies its innovative Pressure Sensor Glow Plug (PSG) for Volkswagen's all new diesel engines starting with the 1.4-liter version and then adding the 1.6-liter and 2.0-liter versions later this year. Based on the new modular diesel engine system (MDB), the fuel-efficient, low-emission engines offer power ratings ranging from 55 kW (74 HP) to 140 kW (188 HP) and have been selected to be installed in several vehicles from VW, Audi, Seat and Škoda to meet Euro 6 emissions standards.

“BorgWarner's advanced diesel cold-start technology contributes significantly to a cleaner combustion process,” said Brady Ericson, President and General Manager, BorgWarner Emissions Systems. “BorgWarner is the first manufacturer to produce the PSG in series production. We are pleased to assist the Volkswagen Group in achieving its ambitious targets for powertrain optimization, reduced emissions and improved fuel economy.”

As one of the key components on the new MDB diesel engines, 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 cylinder pressure in the combustion chamber and reports the data to the engine control unit, establishing closed-loop control of engine pressure that allows the engine controller to continuously adapt fuel injection for each cylinder. Featuring a robust steel heating rod and a piezo-resistive sensor, the PSG allows improved engine performance and efficiency.

In addition to its innovative PSG, BorgWarner supplies turbocharging technologies for the MDB as well.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a product leader in highly engineered components and systems for powertrains around the world. Operating manufacturing and technical facilities in 60 locations in 19 countries, the company delivers innovative powertrain solutions to improve fuel economy, reduce emissions and enhance performance. For more information, please visit borgwarner.com.



BorgWarner supplies its innovative Pressure Sensor Glow Plug (PSG) for the new generation of diesel engines from Volkswagen.

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