



**Immediate Release**  
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## **BORGWARNER VARIABLE CAM TIMING TECHNOLOGY**

### **IMPROVES PERFORMANCE FOR 2010 MODEL YEAR JAGUAR XK/XKR AND XF/XFR**

*BorgWarner's Industry-First Technology  
Provides Quick Response for an Exhilarating Drive*

Auburn Hills, Michigan, February 17, 2009 – BorgWarner's Cam Torque Actuated (CTA™) variable cam timing (VCT) technology is featured on the all new Jaguar AJ-V8 Gen III 5.0-liter V8 engine, revealed at the North American Auto Show on the 2010 Model Year Jaguar XK/XKR and XF/XFR. In addition to improving fuel economy and reducing emissions, BorgWarner's industry-first, innovative technology improves engine responsiveness and performance feel.

“BorgWarner's CTA™ technology optimizes variable cam timing, making it more efficient at all engine speeds, with faster response than traditional hydraulic oil-actuated VCT systems,” said Alfred Weber, President and General Manager, BorgWarner Morse TEC. “Jaguar drivers will appreciate its quick response when they push the pedal and enjoy the added benefits of reduced emissions and improved fuel economy.”

Unlike traditional cam phasing methods which typically use engine oil pressure to phase the camshaft, BorgWarner's CTA™ technology captures the existing torsional energy in the valve train to accomplish this event, similar to a hydraulic ratchet. CTA™ cam phasers operate more quickly and under a wider range of engine speeds and temperatures than traditional oil pressure actuated cam phasers. These factors allow CTA™ variable cam timing to more efficiently improve fuel economy, reduce emissions and increase horsepower.

BorgWarner's patented CTA™ Camshaft Phasing System has been named a finalist for the prestigious 2009 Automotive News PACE Awards, recognized around the world as the industry symbol of innovation. Launched on the upgraded Ford Duratec 3.0-liter V-6 engine for the 2009 Ford Escape, the technology will also be featured in the 2010

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Ford Fusion and Mercury Milan. In addition, BorgWarner is currently developing the product for five customers worldwide.

BorgWarner Morse TEC manufactures engine timing systems that are quiet, durable, precise and cost effective. Engines equipped with BorgWarner variable cam timing (VCT) technology operate independently of oil pressure to deliver more horsepower, better performance, and improved fuel economy over traditional cam phasing devices in the marketplace today. HY-VO® chain systems, which are available for front wheel drive transmissions, 4WD transfer cases and hybrid power drives, transmit power between shafts efficiently, quietly and economically with considerable weight savings over gear technology.

Auburn Hills, Michigan-based BorgWarner Inc. (NYSE: BWA) is a product leader in highly engineered components and systems for vehicle powertrain applications worldwide. The FORTUNE 500 company operates manufacturing and technical facilities in 60 locations in 18 countries. Customers include VW/Audi, Ford, Toyota, Renault/Nissan, General Motors, Hyundai/Kia, Daimler, Chrysler, Fiat, BMW, Honda, John Deere, PSA, and MAN. The Internet address for BorgWarner is: <http://www.borgwarner.com>.

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BorgWarner's industry-first Cam Torque Actuated (CTA™) variable cam timing technology improves performance for the 2010 Model Year Jaguar XK/XKR and XF/XFR with quick response, improved fuel economy and reduced emissions.

*Vehicle photo courtesy of Jaguar.*

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