BorgWarner provides on-demand transfer case for Jaguar Land Rover vehicles

BorgWarner’s Advanced All-Wheel Drive Technology Enhances Response and Torque Accuracy for Improved Vehicle Dynamics

Auburn Hills, Michigan, July 7, 2016 – BorgWarner delivers its innovative pre-emptive on-demand transfer case for multiple Jaguar models. Initially available for the new Jaguar XF, BorgWarner will also provide the all-wheel drive (AWD) technology for the Jaguar XE and F-PACE crossover. BorgWarner produces the AWD transfer case for the Jaguar XF at its newly built energy-efficient facility in Oroszlány, Hungary. Jaguar Land Rover is the first European automaker to feature BorgWarner’s advanced AWD solution.

“We are pleased to expand our long-standing cooperation with Jaguar Land Rover by providing several vehicle models with our innovative pre-emptive on-demand transfer case,” said Dr. Stefan Demmerle, President and General Manager, BorgWarner PowerDrive Systems. “Our state-of-the-art AWD solution helps customers achieve their ambitious efficiency and weight targets, and enables accelerated development cycles. Additionally, the transfer case offers superior dynamic performance and drivability.”

BorgWarner’s pre-emptive on-demand transfer case directly connects to the vehicle’s control systems, which monitor signals such as steering wheel angle, accelerator pedal position and wheel speed. To optimize AWD function, pressure from BorgWarner’s patented lightweight centrifugal electro-hydraulic actuator (CEH) compresses the clutch pack to distribute torque between the front and rear axle as needed. The AWD transfer case offers pre-emptive and precise linear clutch actuation for immediate response, enhanced vehicle traction and stability control. In addition, it is equipped with BorgWarner’s HY-VO® transfer case chain, which is optimized for high efficiency and durable performance. The transfer case also features an innovative pumpless design and sump management for improved fuel economy. To enhance
performance and fuel efficiency, the compact chain and gear drive options reduce total vehicle weight and facilitate optimum packaging for space-constrained applications.

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 74 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’s compact and lightweight on-demand transfer case provides enhanced response and torque accuracy for numerous Jaguar Land Rover vehicles.

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