



BorgWarner Clutch Enhances Performance for 2017 Chrysler Pacifica Hybrid

- *One-way clutch enables secondary motor to act as a generator or contribute torque, depending on driving mode*
- *Plays an important role in helping the plug-in hybrid minivan achieve 84 mpg equivalent in combined driving with all-electric power*

Auburn Hills, Michigan, May 10, 2017 – BorgWarner, a global leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles, supplies its sprag one-way clutch for the 2017 Chrysler Pacifica Hybrid, the first FCA US LLC mass-produced plug-in hybrid electric vehicle and the industry's first PHEV minivan. Depending on driving mode, BorgWarner's one-way clutch enables the secondary motor to generate electricity or work with the traction-drive motor to transfer torque through the differential to the front wheels.

“BorgWarner's one-way clutch plays an essential role in this PHEV design, helping the minivan achieve up to 84 mpg equivalent in combined driving with all-electric power,” said Robin Kendrick, President and General Manager, BorgWarner Transmission Systems. “The innovative use of our proven technology improves efficiency, providing drivers with the performance they expect and the fuel economy they crave. We are pleased to contribute our technology to this ground-breaking design.”

During all-electric operation, BorgWarner's one-way clutch enables both the traction-drive motor and secondary motor to generate torque for improved acceleration and performance. When the gasoline engine powers the vehicle, the one-way clutch spins freely, allowing the secondary motor to generate electricity for improved battery and fuel efficiency.

BorgWarner's one-way clutches provide superior engagement performance and high efficiency for a variety of transmissions. Available in a wide range of sizes, package configurations and torque capacities, BorgWarner's one-way clutches feature optimized materials, geometry and processing to meet customer specifications

BorgWarner also supplies numerous technologies designed to increase engine efficiency, improve fuel economy and reduce emissions for FCA US V-6 Pentastar gasoline engines, including advanced exhaust gas recirculation modules, thermostatic valves, silent engine timing chains, variable cam timing technology and variable force solenoids.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. With manufacturing and technical facilities in 62 locations in 17 countries, the company employs approximately 27,000 worldwide. For more information, please visit borgwarner.com.



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