

# News Release



## **BorgWarner's Compact Variable Cam Timing Technology Debuts in the 2017 Subaru Impreza**

- *New light-weight, compact design improves fuel economy while maintaining the same fast, precise performance.*
- *BorgWarner provides localized manufacturing in the USA and Japan.*

Auburn Hills, Michigan, March 24, 2017 – BorgWarner, a global leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles, launched its new compact cam torque actuated (CTA) variable cam timing (VCT) technology with mid-position lock in the new Subaru 1.6- to 2.0-liter BOXER<sup>®</sup> engines. Debuting on the 2017 Impreza, BorgWarner's light-weight, compact VCT technology provides precise valve timing with less oil consumption, better fuel economy and improved engine performance.

“To meet Subaru’s specifications for this new engine, BorgWarner engineers evaluated every part of our VCT technology and extensively tested each innovation. By every measure, our new compact VCT technology achieves the same rapid and precise performance in a smaller, lighter package,” said Joel Wiegert, President and General Manager, BorgWarner Morse Systems. “For nearly a decade, BorgWarner has been supplying Subaru with our advanced VCT technology from our plant in Japan. We are pleased to add localized manufacturing of our latest VCT products to support Subaru’s assembly plant in the United States.”

BorgWarner's CTA phasers take advantage of the existing energy in the valve train to actuate faster and operate under a wider range of engine speeds and temperatures than conventional VCT systems. The patented mid-lock technology ensures failsafe return to the mid-park position for reliable engine starts in any operating condition. In addition to its award-winning VCT technology, BorgWarner also supplies 6.35 mm silent chain for the continuously variable transmission oil pump drive.

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### **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](http://borgwarner.com).



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