## **GM Announces Advanced Corvette Engine Platform**

GM recently announced that the all-new 2014 Chevrolet Corvette will be powered by a technologically advanced, racing-proven 6.2L V8 engine delivering an estimated 450 horsepower and helping produce 0-60 times in less than four seconds.

The new Corvette LT1 engine, the first of the Gen 5 family of Small Block engines, combines several advanced technologies, including direct injection, Active Fuel Management and continuously variable valve timing to support an advanced combustion system.

"Our objective for the development of the all-new LT1 was to raise the bar for performance car engines," said Mary Barra, senior vice president, global product development.

"We feel that we have achieved that by delivering a true technological masterpiece that seamlessly integrates a suite of advanced technologies that can only be found on a handful of engines in the world.

"What makes this engine truly special is the advanced combustion system that extracts the full potential of these technologies. The art and science behind that combustion system make the Corvette LT1 one of the most advanced V8 engines in the world."

Output, performance, and fuel economy numbers will not be finalized until early next year, but the new LT1 engine is expected to be the most powerful standard Corvette ever, with preliminary output of 450 horsepower and 450 lb.-ft. of torque.

The LT1 will be the most fuelefficient Corvette ever, exceeding the 2013 EPA-estimated 26 mpg on the highway.

The Holy Grail for developing a performance car is delivering greater performance and more power with greater fuel economy and that's what we've achieved," said Tadge Juechter, Corvette chief engineer. "By leveraging technology, we are able to get more out of every drop of gaso-

#### AVL Chairman Dan Manvel Named To Karmanos Board of Directors

Dan Manvel, chairman and CEO of the North American operations of AVL, a technologies developer, has been appointed to the Barbara Ann Karmanos Cancer Institute board of directors.

Under Manvel's leadership, AVL Americas has grown significantly on this continent, becoming well-known for the next-generation technological and engineering solutions it provides for its blue-chip OEM customers.

Prior to joining AVL, Manvel held a variety of senior executive positions in various parts of the world. He worked closely with Dean Kamen, founder of Segway Inc., on the development of the first self-balancing, electronic transportation device - the Segway Human Transporter.

While at the former Chrysler Corp., he was a member of the group that engineered the automaker's successful bailout and turnaround.

He also helped orchestrate the merger of Daimler and Chrysler in South America and was re-



Dan Manvel

sponsible for helping make Jeep Grand Cherokee one of the company's leading global brands.

Manvel holds a master's of business administration from Wayne State University. He says he's a passionate advocate of organizations that are searching for a cancer cure, as well as educational and technological groups and foundations.

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