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Bosch Technology Plays Key Role in Enhancing Vehicle Engine Performance

Passenger and Commercial Vehicle Engine Technologies Featured at ACT Expo

- ▶ Bosch maintains focus on diversified powertrain options
- ▶ Diesel and natural gas engine technology available from Bosch
- ▶ Diesel and natural gas powertrain options in U.S. growing

Long Beach, Calif. – Bosch has built its reputation in the automotive industry on consistently advancing technology for enhanced efficiency and environmental performance in a variety of engine and fuel configurations.

This year's Alternative Clean Transportation (ACT) Expo in Long Beach, Calif., the industry's largest gathering of the rapidly evolving clean transportation industry, will feature Bosch engineers presenting the latest technical trends and developments on clean diesel and natural gas technology. There also will be a Bosch display in the 150,000-square-foot Expo Hall, and two vehicles in the ride-and-drive program.

In the co-located NGV Global conference's session titled "NGVs – Keeping Pace with Fuel Efficiency Improvements," Robert Bosch LLC engineering manager Paul Schwark will speak about Bosch's state-of-the-art natural gas engine technology and its potential for further optimization.

In ACT Expo's session titled "A Future with Clean Diesel," director of diesel systems engineering for Robert Bosch LLC, Alex Freitag, will moderate the session featuring OEM representatives discussing their latest diesel offerings. Freitag's presentation will cover the past, present and future of diesel technology.

That session will cover the growing consumer acceptance of light-duty clean diesel vehicles. According to Bosch, there will be more than 80 clean diesel vehicle models available in the U.S. by the end of 2017, up from 37 models available at the end of 2013.

"Robert Bosch is dedicated to bringing technology to market that will help our customers and the industry as a whole to achieve their efficiency and environmental goals, including the latest components and systems for clean diesel and natural gas engines," said Bernd Boisten, regional president, Diesel Systems North America, Robert Bosch LLC.

Bosch's injector technology helps to reduce fuel consumption and emissions and enable quiet operation while providing the needed stability over lifetime. In addition, Bosch supplies engine control units, high-pressure pumps, high-pressure rails, sensors and aftertreatment systems to passenger car and commercial vehicle manufacturers.

At ACT Expo's ride-and-drive, two diesel vehicles will be featured:

- A Chevrolet Cruze with a 2.0-liter Turbodiesel DOHC I-4 engine
- A Jeep Grand Cherokee with a 3.0-liter EcoDiesel V-6 engine

Commitment to a Broad Range of Automotive Technologies

Bosch supplies a variety of powertrain systems for passenger cars, including gasoline direct injection, gasoline port fuel injection, diesel injection, aftertreatment, bi-fuel gasoline/CNG port fuel injection, flex-fuel port fuel injection, hybrid and electric technology.

For commercial vehicles Bosch supplies diesel systems for on-road applications; off-road applications such as marine, railways, mining, agriculture and construction; stationary diesel systems; systems for natural-gas vehicles; and systems for hybrid vehicles.

In addition to its powertrain systems, Bosch provides systems for active and passive vehicle safety, automotive electronics, and mobile communication.

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About Bosch:

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**Due to a change in accounting policies, 2013 figures can only be compared to a limited extent with 2012 figures.
Exchange rate: 1 EUR = \$1.32812*