

Emerging Technology

High-Pressure, Electronic, Common-Rail Fuel Injection System for Diesel Engines

This new diesel fuel injection system is now in the prototype testing phase. The new system is based on a patented high-pressure pump supplying fuel to and maintaining a predetermined pressure in a common rail connected to the injectors that supply fuel to the combustion chamber of each cylinder. In this system the injectors are controlled electronically, which allows every injector parameter to be individually adjusted and the system to be tailored to the engine requirements for the lowest fuel consumption and emissions levels.



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