

The new engine's Direct Fuel Injection (DFI) system has been specifically designed to achieve high standards of durability, combustion performance, and refinement.

Locating the fuel injectors into the cylinder head and spraying directly into the combustion chamber requires fuel pressures much higher than the 3 to 4 bar (44 to 58 psi) of conventional engines. This, in turn, demands a high-pressure fuel pump. The new direct-injection engine, which incorporates two auxiliary shaft-driven fuel pumps regulated by the engine management system, is capable of generating fuel delivery pressures as high as 150 bar (2176 psi).

