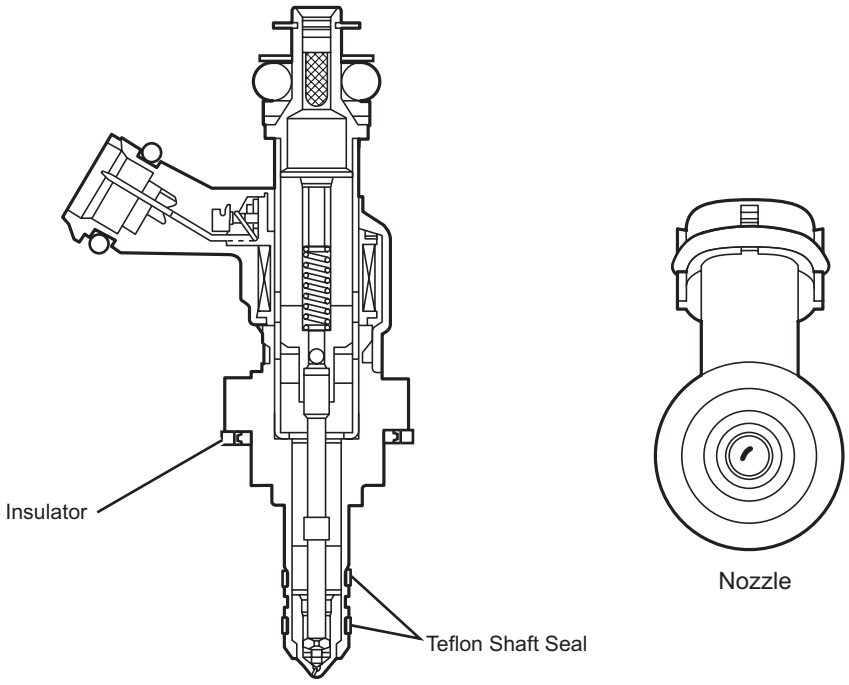
EG

Injector

- A single-orifice, high-pressure slit nozzle injector is used.
- The injector atomizes fuel into a fine mist and expands it to form a large, fan-shaped pattern. Then, the fuel mist enters the combustion chamber while drawing in a large volume of air. This increases the intake air volume and improves charging efficiency. Furthermore, the intake air forms a vertical swirl current (tumble current) in the combustion chamber to promote the mixture of air and fuel, thus achieving high performance and a high power output.
- Because the injector is exposed inside the combustion chamber, a special coating has been applied to the nozzle in order to suppress the adhesion of carbon deposits created by the combustion gas.
- An insulator is used in the area in which the injector comes in contact with the cylinder head, and a Teflon shaft seal is used for sealing the injector against the cylinder pressure in order to reduce vibration and noise and enhance sealing performance.
- An EDU (Electronic Driver Unit) is used in order to operate the high-pressure fuel injectors speedily and precisely.



High-Pressure Fuel Injector Cross-Sectional Diagram

A4270032P

Fuel Injector

Number of Orifices	1
Orifice Dimensions [mm (in.)]	0.15 × 0.71 (0.006 × 0.028)
Injection Pressure [MPa]	4 ~ 13