

Spark plug tube and injector tube seals

Static seals for sealing spark plugs, solenoids or injectors with a high degree of static misalignment.

Due to evolving engine designs, to improve horsepower and efficiency, the position of the spark plug or the injector has been optimized to the top of the combustion chamber. This positioning means that the components, including the solenoids, must be reached through an engine cover. Because it is also necessary to retain oil inside these covers, a special seal solution is required. SKF has designed a unique seal for these applications.

Available applications

Injectors (diesel engines), spark plugs (gasoline engines) and solenoids.

SKF has “state-of-the-art” manufacturing processes that allow us to develop the most advanced designs using leading edge technology. The design features of the seals are:

- Moulded-in spring
- Precision moulded outer diameter
- Fully rubber coated
- Design created through finite element analysis (FEA)

The SKF spark plug tube and injector tube seals add value by delivering critical advantages such as:

- Easily serviceable – cover does not have to be removed
- The moulded-in spring design will seal under high misalignment conditions and the spring will not pop off at installation
- The rubber coated seal is resistant to corrosion
- Increased temperature range over standard materials



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