

We are Spanish and German. We are passionate perfectionists. We are emotional technologists. Everything we know, is everything you feel. We give design a purpose. We bring technology to life. We call it TECHNOLOGY TO ENJOY. We are SEAT.



Authorized **SEAT SERVICE**



SEAT GENUINE PARTS

SEAT committed with a line of continuous improvement of its products and services, is entitled to change without prior warning any specifications included in this publication. 000099262CE.

seat.com



SEAT GENUINE SPARKPLUGS

They awaken your car's engine

TECHNOLOGY TO ENJOY

DID YOU KNOW?

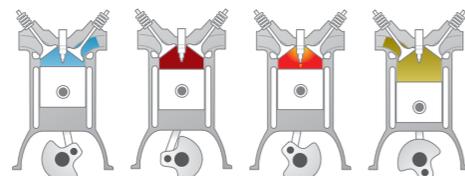
At a specific moment the ignition sparkplug must burn the air and fuel mix compressed into the combustion chamber. Premature or delayed ignition could have negative effects on power and consumption, even be the cause of engine problems.

Ignition sparkplugs must be able to resist temperature and pressure fluctuations of between 100°C and 3,000°C or 0.9 bar and 30 bar. The temperature at the sparkplug insulator tip must be between 450°C and 850°C. If it happens to be higher or lower than this, there is risk of soot accumulating or ignition by incandescence.

If the sparkplugs show soot accumulation or a worn, incomplete combustion may occur, thus increasing vehicle consumption and ignition faults. If, on the contrary, there is ignition from incandescence, the mix will ignite due to the sparkplug being too hot. When this happens, the engine might suffer great damage in a short time. Also, short distance daily travel, as well as frequent driving at full engine power output will shorten the life of the sparkplugs.

THE FOUR ENGINE STROKES

Performance cycle takes place in four sequential phases:



1. Intake 2. Compression 3. Power 4. Exhaust

1. Intake: drawing air and fuel into the cylinder.
2. Compression: the piston, driven by the crankshaft through the conrod compresses the mix.
3. Power: the spark plug fires igniting the mix, which fires the power.
4. Exhaust: The piston is suddenly compressed upwards. Residual gases from the power phase are expelled outside the engine.



SEAT GENUINE SPARKPLUGS

They have been especially adapted to each type of engine, their performance is very reliable and they are highly resistant against corrosion and sedimentation.

Their system generates stable sparks, thanks to sophisticated electrodes that allow for complete combustion of the air and fuel mix enhanced by fast flame propagation.

As the electrodes are submitted to less wear, the need for ignition voltage is reduced, therefore with higher reliability within the specific maintenance interval of the sparkplug. Its smoothness provides driving comfort and a precise engine reaction when stepping on the accelerator pedal.

They are a basic element when it comes to reducing fuel consumption and emissions, due to the exact placing of the ignition spark in the combustion chamber. Extreme hardness and resistance can reach up to 60,000 km (depending on the sparkplug).

ADVANTAGES

- / Constant power.
- / Stable sparks generation.
- / Low wear.
- / Increased driving comfort.
- / Long useful life.

SEAT GENUINE PARTS

- / Same quality as the parts used in vehicle manufacturing.
- / Contribute to making all the vehicle parts adapt perfectly well to each other, therefore rendering utmost safety, reliability and performance.