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TECHNICAL CERAMIC GLOW PLUG OE BREAKTHROUGH SUCCESS FOR NGK WITH VW GROUP

NGK Spark Plugs has announced that it is to supply a new generation of ceramic glow plugs as Original Equipment to VW Group. This is the first time that a European vehicle manufacturer has installed ceramic glow plugs as OE.

Ceramic glow plugs have the ability to reach high temperatures much more quickly than metal glow plugs. This third generation of ceramic glow plugs – New High Temperature Ceramic glow plug (NHTC) – replaces the second generation High Temperature Ceramic glow plugs (HTC) which has been available to the market since 1998. The first generation – Self-Regulating Ceramic glow plugs (SRC) – was originally introduced in 1985.



VW Group has now selected two new NGK NHTC glow plugs for installation as OE on new engine developments for existing diesel models. The thinner NGK M8 glow plug has been selected for the 2 litre 4-cylinder, 4 valve engine Passat and the NGK M10 glow plug will be fitted as OE to the 1.9 l / 2.0 l 4-cylinder, 2 valve engine and 5 litre 10-cylinder engines for models such as the Phaeton and the Touareg. In future VW 4-cylinder and V10 diesel engines with particle filters installed will only have ceramic glow plugs fitted as OE.

The concept behind the new NHTC generation of NGK ceramic glow plugs is to offer a long element with a small diameter, which will heat up much more quickly – reaching 1000°C in under two seconds - and thus improve cold starting and reduce emissions. They also have a longer post-starting operation time of approximately 10 minutes and are also able for the first time to assist in reducing emissions by their ability to operate intermittently during engine running – for example, when the throttle is eased back.

(cont.)



Press Release



They also offer a high stabilised temperature of approximately 1300°C, thus ensuring excellent startability from a lower compression ratio – which also reduces noise, engine stress and emissions – and improved mechanical resistance to eliminate vibration. Both new NGK NHTC glow plugs also offer lower power consumption.

NGK has been a major OE supplier of spark plugs, glow plugs and Lambda sensors to VW Group for many years. NGK has also won the coveted VW 'Best Supplier of the Year Award' on five occasions over the last 11 years. This Award is given annually to only 25 suppliers to VW from a total of 10,000 worldwide.

The World's No.1 Spark Plug. Fact.

