



# PRESSINFORMATION

## NGK Spark Plug Europe supplies spark plugs, glow plugs and sensors for the Golf VII

**Ratingen, 16.04.2013 - NGK Spark Plug Europe is original equipment supplier for the new generation of the VW Golf. The world's largest manufacturer of spark plugs and Lambda sensors and second-largest supplier of glow plugs for original equipment developed spark plugs as well as diesel cold start technology and sensors for the car, thus underscoring its role as strategic supplier to the Volkswagen group of companies.**

Both the gasoline and diesel EURO 6 engines of the Golf VII leave the production line with products from NGK Spark Plug on-board. The basic gasoline engine 1.2 TSI as well as the 1.4 TSI feature the PZKER7A8EGS spark plug. This double platinum type comes with a fine and extremely resilient centre electrode with platinum tip and a directional ground electrode, which improves mixture accessibility and flame dispersion. Additionally, the spark plug's ground electrode was equipped with a three-layer copper core. The spark plug also features the "Long Insulator" design introduced in 2011: Its extended insulator prevents flashovers, while the connector's cup design offers optimal screening of the connection and prevents electrical failure.

For the new diesel engines of the EA288 family (1.6 TDI and 2.0 TDI), Volkswagen chose NGK's Y1002 AS glow plug. It has a glow tube with a diameter of only 3.5 mm and works with the Advanced Quick Glow System (AQGS), capable of heating up to 1,000 °C in less than two seconds. Additionally, it offers outstanding afterglow abilities. Even at lowest ambient temperatures, this glow plug safeguards an environmentally friendly cold start and operation until the engine has reached the temperature required for self-ignition.

For the exhaust system, NGK supplies sensors from the NTK brand. The 1.2 TSI model comes with a binary Lambda sensor OZAS-S, which regulates mixture formation. The 1.4 TSI uses a linear Lambda sensor of the ZFAS-U type as regulating sensor and the OZAS-S type acts as diagnostic sensor. Additionally, the ZFAS-U supports the mixture formation in the 1.6 TDI engine.

Finally, temperature sensors from NTK contribute to optimal operation of the diesel engines, which work with close coupled exhaust treatment: A CTAS-T sensor controls the exhaust temperature upstream of the turbo charger. This "Condition Temperature Automotive Sensor - Thermistor" offers a fast sensor light-off as well as exact detection of the exhaust gas temperature within a range from 100 to 900 °C.

### About NGK:

NGK is the world's leading manufacturer of spark plugs and Lambda sensors. The Company runs production plants and sales organisations all over the world. With a total of 12,000 employees, the Company generates an annual turnover of around 2.2 billion euros. NGK is represented on all continents and has eight sales centres, eleven production plants and 14 sales branches.

Article and pictures (300 dpi, 10 x 15 cm) are available for download at [www.ngk.de](http://www.ngk.de) - press.

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