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## NGK - AUDI A1

**NGK Spark Plug supplies spark plugs, Lambda sensors and CTAS-T sensors for the Audi A1**

NGK Spark Plugs is celebrating another major OE success.

The company is to supply spark plugs and Lambda sensors for the best-selling engines used to power the Audi A1 which has been voted What Car? magazine's Supermini of the Year and Car of the Year 2011.

The vehicle manufacturer has also selected temperature sensors from the company's NTK brand.

NGK Spark Plugs is a major OE supplier of spark plugs, glow plugs and sensors to many of the world's leading vehicle manufacturers and the Audi contract is the latest in a long line of recent OE successes.

Brian Childs, Deputy Managing Director, NGK Spark Plugs (UK) Ltd, said: "We are delighted with the news that Audi has selected our products for the award-winning A1. It is further confirmation of NGK Spark Plugs' position as one of the world's leading suppliers of OE parts to the major European vehicle manufacturers."

The Audi A1 1.4 L TFSI is the top version of the premium small car. Equipped with a turbo charger and super charger, it delivers 185HP while consuming a modest 5.9 litres of fuel per 100 kilometres.

Inside the engine, a PZFR6R8EG spark plug from NGK guarantees efficient ignition. It was developed from the PZFR6R, which has been powering the EA111 engine family from the Volkswagen Group for many years.



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# PRESS RELEASE

Just like its predecessor, the PZFR6R8EG was exclusively designed for Volkswagen/Audi. It features a laser-welded platinum tip on the centre electrode as well as a platinum chip on the ground electrode, thus making the plug virtually resistant against spark erosion.

Combined with a reduced sparking gap of only 0.8mm, this design safeguards high ignition reliability throughout the entire service life. In addition, the centre electrode is extremely slim which enables more ignitable air-fuel mixture to get close to the spark and optimum flame front spread inside the combustion chamber. To further secure an ideal dissipation of heat from the combustion chamber, the spark plug also features a copper core inside the ground electrode.

## **NTK Lambda sensors and temperature sensors on board the A1**

The information required by the engine control unit of many A1 models to level the ratio of fuel and air is supplied by NTK Lambda sensors.

The 1.2-litre TFSI engine and the 1.6-litre TDI engine (105HP) both come with wideband sensors of the second generation, or ZFAS-U2, as regulating sensor.

As a diagnostic sensor, the 1.2-litre TFSI uses a zirconium dioxide sensor, or OZAS-S2, that has a light-off time of just 8 seconds and boasts excellent measurement accuracy.

To monitor exhaust temperatures within the 1.6-litre TDI engine's exhaust stream, Audi additionally chose NTK's CTAS-T sensor. This is the third generation of NTK temperature sensors. It covers a wide temperature range from 100-900°C and features a very slim, ceramic sensor element to ensure an exceptionally short light-off time and precise measuring results.

For more information visit [www.ngkntk.co.uk](http://www.ngkntk.co.uk)

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