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NGK - NEW PLUG DESIGN

NGK Spark Plugs has used one of Europe's major automotive shows to reveal a newly developed terminal design for its industry-leading spark plugs.

The manufacturer of OE-quality spark plugs, glow plugs and Lambda sensors, unveiled the new spark plug type at the IAA 2011 show held at Frankfurt, Germany, on September 15-25.

The new plug features a terminal in NGK's new 'cup design', in place of the common SAE terminal, which will be used in several vehicle applications from leading European car manufacturers later in the year.



Martin Pring, General Manager – Sales & Marketing, NGK Spark Plugs (UK) Ltd, said: "The introduction of the new spark plug terminal design confirms that once again NGK is staying at the forefront of spark plug technology to cater for the requirements of the world's leading vehicle manufacturers."

In the new design, the ignition coil or ignition lead establishes contact by means of a spring inserted into the cup, thus establishing a reliable high-voltage connection.

The company says this design is particularly favourable for use in downsizing engines. As these engines work with higher supercharging rates and increased ignition pressures, higher ignition voltages are required. To guarantee a loss-free transmission of these high voltages towards the electrodes of the spark plug, the flashover resistance at the high voltage side of the plug needs to be optimised.

PRESS RELEASE

NGK says this requirement is met by the new terminal. The new design is only a third of the height of the SAE terminal with the space saved used to lengthen the ceramic insulator by several millimetres - a step which, in turn, improves the flashover resistance of the spark plug.

And the new cup design offers an additional advantage; as the contact is established inside the cup, the spring is screened which helps to avoid breakdowns across the insulator or the ignition coil boot respectively.

For more information visit www.ngkntk.co.uk

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