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## NGK - FORD CONTRACT

NGK spark plugs have been selected for a ground-breaking new Ford petrol engine that will debut in the UK in the all-new Focus next year and deliver class-leading CO2 emissions and fuel economy.

The 1.0-litre, turbocharged, direct injection EcoBoost engine – developed by UK engineers – will debut in Europe in early 2012 and will ultimately be available worldwide.



The three-cylinder engine will produce 125PS in the Focus while delivering a combined fuel economy of 56.5mpg and ultra-low petrol CO2 emissions performance of 114g/km – a level unmatched by its competitors.

A 100PS version of the same engine will deliver outright best-in-class petrol CO2 emissions of 109g/km. This engine will also feature in the Ford C-MAX and Grand C-MAX, plus the new Ford B-MAX which enters production in mid 2012.

Brian Childs, Deputy Managing Director, NGK Spark Plugs (UK) Ltd, said: “It is a major achievement for NGK that our spark plugs have been selected as original equipment on this ground-breaking new Ford engine which will return incredibly low emissions and also reduce fuel consumption.

“This is another example of how NGK Spark Plugs works closely with the world’s leading vehicle manufacturers to produce ever better, more environmentally-friendly vehicles.”

Ford President and CEO Alan Mulally said: “The new 1.0-litre EcoBoost – and our entire family of EcoBoost engines – represent technology breakthroughs that deliver power, fuel efficiency and low CO2 emissions through turbocharging and direct injection.

# PRESS RELEASE

“These engines are delivering the fuel-efficient vehicles customers want and value.”

Ford has invested £110 million to develop a special high-tech line at its Cologne engine plant to build up to 350,000 units a year of Ford’s smallest petrol engine.

European production capacity could increase to up to 700,000 units per year as production of the new small EcoBoost engine at Cologne is joined by Ford’s new engine plant in Craiova, Romania, in early 2012.

In the years ahead, Ford anticipates production to expand outside of Europe to deliver global capacity of up to 1.3 million 1.0-litre EcoBoost engines per year.

This new EcoBoost engine delivers performance to rival a traditional 1.6-litre engine and with significantly improved fuel efficiency and lower CO2 emissions.

The 1.0-litre EcoBoost cylinder block can fit onto a sheet of A4 paper but delivers up to 125PS and 170Nm peak torque (with 200Nm overboost), giving it the highest power density of any Ford production engine to date.

Graham Hoare, Ford’s European Executive Powertrain Director with engineers based at Dunton and Dagenham, added: “This is the third addition to our acclaimed EcoBoost engine family. Joining the 1.6-litre and 2.0-litre EcoBoost engines which span 150PS to above 200PS, this 1.0-litre EcoBoost signals a new era of downsized, super-frugal engines for the sub-130PS segment. During development our UK engineers focused on improving thermal efficiency and reducing friction of the engine’s internal moving parts, especially during warm-up.”

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

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