

## **Demon's Cycle Introduces Their New Custom Bike Engine; The 114ci is Smooth and Reliable**

*Demon's Cycle has released a new custom motorcycle engine, the 114ci. Manufactured exclusively for Demon's Cycle by Ultima in the USA, the 114ci improves reliability without reducing performance.*

June 6, 2009 (FPRC) -- Demon's Cycle, the Florida based custom motorcycle company, are pleased to announce the arrival of their new custom motorcycle engine, the 114ci. Working in partnership with Ultima, the popular manufacturer of high performance custom motors, Demon's Cycles have worked to build an engine with less piston speed and so less wear on the cylinder walls and pistons skirts. This new lower piston speed will make the engine more reliable than other engines which run at higher speeds.

Demon's Cycle are expert custom bike builder and they had used an engine from Ultima called the 113ci. But they also saw ways to improve it. Demon's Cycle entered into partnership with Ultima and re-engineered the 113ci to make the new 2009 Demon's 114ci motor.

"We have finally achieved what no one else has" said Tom Steinbacher, of Demon's Cycles. "We have created a high performance engine that is reliable and will give our customers the dependability they seek."

Custom bike building is all about engineering, and the engineering and innovation in the 114ci is up to Demon's normal high standards. Compared to the 113ci 4 1/2 inch stroke and a 4 inch bore. Demon's 114ci has a 4 inch stroke and 4 1/4 inch bore. This reduces the piston speed. This reduction in piston speed results in less wear on the cylinder walls and piston skirts. This makes it possibly the most reliable engine available today.

Demon's 114ci increases the rod ratio (rod length divided by stroke) and so lessens the side load on the cylinder walls, reducing friction, heat, and allowing a much more free revving motor. By utilizing the MWM 248 cam Demon's Cycle were able to retain the great torque characteristics down low and with the increased cylinder fill provided by the increased rod ratio, the Demon's 114ci will still pull very hard on the top end.

Another advantage of the shorter stroke is that the Demon's 114ci is smoother than the 113ci. By using a 4 1/4 inch bore engine family, the Demon's 114ci has a stronger 3 piece crankshaft along with stronger rods. After all this re-engineering Demon's Cycle are selling the 114ci for the same price as the 113c but with special air cleaner, better rocker boxes and a thicker head gasket for more reliability and dependability. The 114ci is available exclusively from Demon's Cycle and comes in high polished, natural and black finish.

### About Demon's Cycle

Demon's Cycle specialize in the sale of custom parts for Harley-Davidson motorcycles. They offer a wide range of parts from engines to LED turn signals. Demon's Cycle was started over fifteen years ago by Tom Steinbacher and has a reputation as a pioneer of radical motorcycle designs, euro style bikes and custom chopper concepts. Headquartered in South Florida, Demon's Cycle is an international custom motorcycle wholesale company.

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