



For Immediate Release

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NORTHWEST UAV BEGINS MANUFACTURING AND PARTS PROCUREMENT FOR THEIR NW-88 MULTI-FUEL TWIN-CYLINDER UAV ENGINE

With a prototype completion date set for beginning of May 2018, Northwest UAV has completed design work and has begun prototyping their new NW-88 multi-fuel twin-cylinder engine. Using design elements from their internationally deployed NW-44 multi-fuel engine, the NW-88 engine system is set to offer the reliability and efficiency of the NW-44 to a new category of aircraft.

McMinnville, OR: With design work starting just last year, Northwest UAV (NWUAV) has now begun the manufacturing and parts procurement for their new NW-88 multi-fuel twin-cylinder engine. Utilizing the same team that developed their internationally recognized NW-44 multi-fuel single-cylinder engine, NWUAV has begun to take the necessary steps to complete a prototype of the NW-88 engine to demonstrate exactly how it will function.



Built specifically for small unmanned aerial systems (UAS) that require extreme endurance, high reliability and advanced payloads, NWUAV's NW-44 multi-fuel single-cylinder engine continues to see momentous success and continued adoption in small, professional-grade UAVs, filling a much-needed gap in the maturing UAS industry. Borrowing design elements from the NW-44 engine to offer the same endurance, efficiency and reliability for a larger weight class of UAVs, the Northwest UAV team expects the NW-88 multi-fuel twin-cylinder engine to fill another often-overlooked gap in the professional UAV market.

“Early on we recognized that Group II UAVs (unmanned aerial vehicles in the 40-75-pound weight class) were attempting to fly 12 hours or more in extreme conditions with the only engines they had available, which were hobby-grade engines designed for the weekend flier,” remarked Chris Harris, President and Owner of NWUAV. “They needed a more reliable, efficient, cost effective engine solution, and that’s how the NW-44 engine was born. Due to their still relatively small size, Group III UAVs (in the 75-150-pound weight class) are experiencing the same endurance and reliability issues in their engine options that the Group II UAVs were facing. With the NW-44 and 1000 flight hours of experience, NWUAV is primed to deliver their next professional-grade engine for Group III UAVs rapidly and successfully.”

With the ground-up design of the NW-44 engine to work from, the manufacturing and parts procurement for the NW-88 twin-cylinder multi-fuel engine for Group III UAVs has already begun! The same team that completed the work on the NW-44 engine has begun manufacturing the cases and programming the quiet mufflers to fit the NW-88 engine prototype. Next, the team will tackle building the first NW-88 puck.



“Now that the NW-44 single-cylinder multi-fuel engine is firmly established as the new industry standard for 40-75-pound UAVs, we can efficiently adapt that design to support 75-150-pound UAVs,” Chris Harris continued. “And like its smaller, older brother, the NW-88 engine is set to be a complete engine system ready to install with minimal or no development costs for the end customer – a plug-n-play engine if you will – making it highly cost effective to adopt on existing platforms or incorporate into new designs.”


A completed prototype of the NW-88 multi-fuel twin-cylinder engine is set to be completed and on display for the first time at AUVSI XPONENTIAL 2018 in the Northwest UAV booth #2219, April 30-May 3. Stop by our booth and see the NW-88 system for yourself!

About Northwest UAV

As America’s leader in UAV propulsion system design, development and manufacturing, Northwest UAV (NWUAV) continues to earn its reputation for reliable, cost effective and innovative UAV engines and support systems through meticulous engineering, testing, and manufacturing. Founded in 2005 by President and Owner Chris Harris, NWUAV continues to safely and effectively manage all aspects of product development, from initial concept design through production and beyond to maintenance and overhauls. When reliability is key, count on the team at NWUAV. AS9100/ISO9001 certified and DCAA compliant operation.

Find out more about NWUAV:

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