



# PRATT & WHITNEY SIGNS MODIFICATION FOR F117 ENGINE SUSTAINMENT SUPPORT CONTRACT FOR C-17 GLOBEMASTER III

News / Manufacturer



Photo Credit: U.S. Air Force / Staff Sgt. Marie Cassetty

**Pratt & Whitney has signed a \$5.5 billion modification to the previously awarded F117 Engine Sustainment Support contract with the United States Air Force. The contract provides engine services for C-17s operated by the USAF and eight international partners. The package will improve the F117 engine's fuel efficiency, saving up to 6.5 million gallons of fuel annually and reducing CO2 emissions by up to 140 million pounds per year. The modification further supports U.S. Air Force readiness, affordability and sustainability objectives and includes an engine performance improvement package that will eliminate more than 20 shop visits per year thanks to extended time on wing and save the customer approximately \$29 million per year in fuel costs.**

Jill Albertelli, president of Military Engines at Pratt & Whitney, commented: "The global fleet of F117 engines is a benchmark for dependable, safe and reliable propulsion. As a trusted Air Force partner, we intend to maintain the strength of this relationship and bring new benefits to the Air Force and the eight F117 international operators."

Chris Johnson, vice president of Fighter and Mobility Programs at Pratt & Whitney, said: "One specific product improvement we are looking to incorporate under this contract is a compressor blade coating technology, which according to the Air Force Research Laboratory's estimates, can extend time on wing by up to 16% and reduce fuel burn by over 1%.. If we can improve durability for the Air Force while lessening impact on the environment, then that is a win-win."

This latest upgrade, which is part of the sustainment support contract modification, involves technologies that have been demonstrated, incorporated and are operational in other engine models. The upgraded hardware will be incorporated during routine planned engine maintenance upon the completion of all engineering changes, Service Bulletin publication and all parts being industrialized.

Pratt & Whitney has partnered with the Air Force for over 30 years in the development, production and sustainment of the F117 engine, the exclusive powerplant for the Globemaster III transport aircraft. Pratt & Whitney's F117 engines have accumulated more than 17 million flight hours in support of military and humanitarian missions around the globe, be it airlift missions or overnight combat airdrops in unsecured locations. Certified at 40,440 pounds of thrust, the F117 engine has undergone continuous product improvements enabling it to surpass established goals for time on-wing, in-flight shutdowns and reduced turnaround time.

12 JULY 2023

**ARTICLE LINK:**

<https://to.50skyshades.com/news/manufacturer/pratt-whitney-signs-modification-for-f117-engine-sustainment-support-contract-for-c-17-globemaster-iii>