



## ENGINE WATER WASH SERVICES

Aero Jet Wash LLC (AJW) offers responsive on-call as well as fixed base services for its patented process for On-Wing Engine Water Washes. Our van or trailer mounted system is completely self-contained and consists of a **Wash Unit**, an **Effluent Collection System**, and a set of **Universal Telescopic Injection Probes**. We have wash units co-located at several sites throughout the US and these are backed up from our Ohio service center. We can be on-site at your location within the continental United States within twenty-four (24) hours.



The AJW Wash Unit consists of three tanks: Two 100 Gallon tanks hold pure heated de-ionized water (detergent or alcohol are available if needed) and one 100 Gallon tank holds waste water collected by the Effluent Collection Suit.

Our Wash Unit incorporates two filtration processes. One allows regular tap water to become 100% pure, mineral-free de-ionized water which then acts like a solvent to remove accumulated contaminants and debris. The other treats the effluent after being collected by the Effluent Collection

System. This enables the effluent to be disposed of in an environmentally compliant manner.

Our equipment can be set up anywhere (even in a test cell), thus eliminating costly aircraft movement. The Wash System is so efficient that a commercial twinjet can be washed in under an hour. Our services are available on a 24 X 7 X 365 basis.



## SMART BENEFITS

- Better Engine Performance
- Significant Fuel Burn Savings of at Least 1%
- Patented Process allows Quick Turnarounds
- Complete Environmental Compliance
- J-Hooks Ensure Cleaning of Critical Core Gas-Path Components
- Lowers EGT at least 15F
- Increased On-Wing Time





## On-Wing Engine Effluent Collection System

Our effluent collection system is the only system that collects ALL the effluent coming out of the tail pipe and the engine while performing the engine compressor wash. The effluent collection suit wraps directly under the engine to capture the effluent from all the drains and the tailpipe. This enables engine washes inside a hanger or even a test cell.



This suit is extremely light, waterproof, and durable which allows for flexible and easy installation, thus reducing the overall wash times.

The effluent collection suit is environmentally friendly and facilitates complete EPA compliance for disposal of the effluent.

## Telescopic Injection Probes

Telescopic Injection Probes are capable of being adjusted to any length to fit any specific turbine engine. Therefore you don't have to buy multiple injection probes for various aircraft and engines.

The Telescopic Injection Probes (J Hooks) are entered from the back of the bypass duct and then held tight against the core case. This ensures 100% water/detergent injection into the engine core.

This method also eliminates the opportunity for FOD from the front of the engine. There is no opening of the cowlings or thrust reverser which reduces the time spent for a complete engine wash.

