



*Aircraft Restoration Corporation*

Date: 15 April 2015

## ***Piper PA-31 Series Navajo Extended Fuel Installation Modification Description***

### **Introduction**

Aircraft Restoration Corporation (ARC) has purchased and obtains all rights to install an additional 45 gallons of fuel in the nacelle baggage lockers (**when installed**) on the Piper PA-31-310, 325 and 350 model Navajo's.

STC SA1744SO installs two aluminum 22.3 gallon fuel tanks in each nacelle baggage compartment. They can be removed when not required. There is no additional pilot workload. The fuel from these tanks gravity feeds into the main fuel tank as fuel levels normally decrease.

### **Aircraft**

The Navajo series aircraft have long been the workhorse airplane in many applications from aerial survey to cargo and passenger configurations for several decades. This simple STC modification will add more than an hour to the airplane normal flight time. The candidate airplane must have the optional wing lockers installed.

There is no fuel management or additional pilot input required. The fuel simply gravity feeds in to the main fuel tanks just as if it were an integral part of that fuel tank. There are no pumps or valves.

When it is time to remove them the fuel is drained, plumbing disconnected and stored. The tank is released from its tie down straps and lifted out of the back of the locker. The locker is free to be used as a baggage or storage compartment.

### **Aircraft Restoration Corp. STC**

ARC provides the following:

- Installation Procedures.
- Instructions for Continued Airworthiness.



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- Manufacture FAA/PMA parts.

### **Modification Cost**

ARC provides:

1. STC, usage and documentation for one airplane.
2. One complete kit, including: Two new certified fuel tanks, plumbing and hardware. **Total:\$10,900.00**

This price does not include installation labor. A certified sheet metal aircraft maintenance facility can complete the installation in approximately 10 hours.

### **Modification Lead Time and Schedule**

Once a purchase agreement is signed, ARC will assemble the parts kit and pay for ground shipping to any destination in North America. It takes approximately two day to assemble and package the kit.