



Aircraft Restoration Corporation

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 feeds into the main fuel tank when the pilot switches the transfer pumps to "TRANSFER" after 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 baggage lockers installed.

There is no fuel management or additional pilot input required except to transfer the fuel from the aux tanks to the main tanks as fuel levels normally decrease.

When it is time to remove the tanks, simply drain the remaining fuel, disconnect the plumbing and store the hoses. 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. Adjust W&B and equipment list to reflect this change.

Aircraft Restoration Corp. STC

ARC provides the following:



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- Installation Procedures.
- Instructions for Continued Airworthiness.
- Manufactured and certified 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.

This price does not include installation labor. A certified sheet metal aircraft maintenance facility can complete the installation in approximately 20 hours.

Modification Lead Time and Schedule

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

NOTICE: ARC is working to improve this modification and kit. We hope to increase the tank size to 27 gallons per side. We are working with our engineers and the FAA to get this project approved. Please call of updates and details as to our progress.

Thanks again for your interest,

David Fronk
President
Aircraft Restoration Corp.