



Aircraft Restoration Corporation

Piper PA-31 Series Navajo, Cheyenne and the PA-42 Cheyenne III Inner Landing Gear Door Removal Kit Modification Description.

Thank you for your interest in our STC modification kit to remove the old inner main landing gear doors on your Navajo or Cheyenne. The kit installs an aerodynamic fairing in its place. There is no rumble, shake or vibration. Performance is increased because you no longer have loose and or sagging doors hanging in the air stream. The landing gear retracts and extends faster with fewer moving parts (doors, door actuators and hydraulic hoses) that can be expensive to maintain and that are prone to fail. Additionally, this kit has a doubler/stiffener that repairs and strengthens the outer main landing gear doors too.

A spacer needs to be installed in each landing gear retraction actuator to reduce their extension length allowing for a soft touch on the retraction bumper in the wheel well. This spacer also helps in the landing gear rigging process.

The STC also increases the V_{le} (Landing gear extension speed) to 153 KIAS (180 MPH) on the early Navajo's. An AFMS is supplied with a placard to show the increase. This helps pilots better plan their descents to avoid engine shock cooling.

The 100 hour inspection landing gear retraction requirement on the Navajo's has been extended to 200 hours, reducing maintenance down time and expense.

A qualified and experienced A&P and sheetmetal mechanic can install the kit in approximately 40 to 45 hours.



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The shipment will include all materials including hardware needed to complete the installation as well as the STC cover page, Installation Procedures and supplements. You can get a digital FAA Form 337 on line. We include a new Weight and Balance revision and Instructions for Continued Airworthiness (ICA).

If you have further interest in purchasing a kit please let us know your airplane registration number and serial number for our records as well as any modifications currently installed; such as a BLR gross weight increase kit. Tell us the type of MLG Actuators you have installed: Wiebel or Ozone so we can add the actuator spacers to your shipment. Also, your Purchase Order number, contact person and shipping address details.

We pay for ground UPS shipping anywhere in North America. If you need to expedite the shipment please provide your FedEx or UPS account number and details of your shipping time frame.

We can usually ship a kit within two days.

We accept a check or wire transfer. No credit cards please.

Feel free to call or email with any questions or concerns and current pricing information.

Thanks again for your interest.

David Fronk
President
Aircraft Restoration Corp.