

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA02214AK

This Certificate issued to Burl's Aircraft Rebuild, LLC
PO Box 671487
Chugiak, Alaska 99567-1487

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product Type Certificate Number: * See attached FAA Approved Model List (AML)
No. SA02214AK, dated August 18, 2005, for a
Make: list of approved airplane models and
Model: applicable airworthiness regulations

Description of Type Design Change:

Installation of Alpha Omega Suspension System in place of original bungees or bungees and hydrosorbs in accordance with Alpha Omega Suspension System Master Drawing List BAR-18DL-1 Revision F dated October 21, 2005, and Installation Instructions and Operation and Maintenance Instructions BAR18A-1 Revision E dated October 21, 2005, or later FAA approved revision. Instructions for Continued Airworthiness are contained in the Installation Instructions and Operation and Maintenance Instructions BAR18A-1 dated Revision E dated October 21, 2005, or later FAA approved revision.

Limitations and Conditions: Piper PA-18 series only: Installations restricted to S/N 18-3771 and S/N 18-3781 and subsequent when equipped with 5/16 bolt cabane V assembly P/N 30602-7.

This STC is compatible with 3-inch extended main landing gear installed in accordance with STC SA02152AK or STC SA02175AK.

Compatibility of this design change with previously approved modifications must be determined by the installer.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

The BAR18-2 AOSS Unit is a lower initial stiffness version of the BAR18 unit and is interchangeable on eligible aircraft with a gross weight above 1500 lb. Mixing the BAR18 and the BAR18-2 units on the same aircraft is not approved.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 07, 2001

Date reissued:

Date of issuance: May 26, 2004

Date amended: November 15, 2005



By direction of the Administrator

(Signature)

Gregory J. Holt
Manager
Anchorage Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.