

DepartmentofTransportation\_FederalAviationAdministration

## Supplemental Type Certificate

*Number* SA00823SE*This certificate, issued to***Rainbow Flying Service  
3788 Municipal Airport  
Moses Lake, WA 98837**

*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 23 of the Federal Aviation Regulations.*

*Original Product—Type Certificate Number:*

\*See attached Approved Model List (AML)

*Make:*

No. SA00823SE for list of approved aircraft

*Model:*

models and applicable airworthiness regulations.

*Description of the Type Design Change:* Fabrication and Installation of Rainbow Flying Service front and rear wing spars and modified wing ribs in accordance with the data called out in AML No. SA00823SE. This modification must be maintained in accordance with instructions for continued airworthiness specified on the continuation sheet to this STC.

**NOTE:** Resorcinol-formaldehyde resin adhesive must be used for all wood-to-wood bonds in this modification.

*Limitations and Conditions:* Approval of this change in type design applies to the airplane models listed on AML SA00823SE only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that airplane.

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.

(See Continuation Sheet - Page 3)

*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:* January 28, 1997*Date reissued:**Date of issuance:* July 19, 2000*Date amended:* May 18, 2001*By direction of the Administrator*

(Signature)

Acting Manager, Seattle 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.

This certificate may be transferred in accordance with FAR 21.47.

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA00823SE

**Rainbow Flying Service**

**Reissued:**

**Amended: May 18, 2001**

*Limitations and Conditions continued:*

Airplanes modified in accordance with this STC must be maintained in accordance with the following instructions for continued airworthiness.

### **Instructions for Continued Airworthiness:**

1. The requirements of Airworthiness Directive (AD) 2000-25-02 or later superceding AD must still be complied with on airplanes modified by this STC.
2. Inspect the spars using the same procedures as the original spar at annual inspections. The spars must also be inspected at 100 hour intervals if the relevant operational rules require 100 hour inspections.
3. If replacement of a spar becomes necessary, then care must be taken to ensure that the correct ribs are used. The Rainbow Flying Service spars require a rib modification in accordance with data called out on Approved Model List (AML) SA00823SE.

-- END --

---

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

---