

# Supplemental Type Certificate

*Number* ST00416SE

*This certificate, issued to* Flight Structures, Inc.  
4407 172 Street NE  
Arlington, WA 98223

*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 25 of the Federal Regulations.*

*Original Product—Type Certificate Number:* A20WE  
**Make:** Boeing  
**Model:** 747-400

*Description of the Type Design Change:* Replace the free flow oxygen system with a non-free flow system in the passenger cabin, galleys, lavatories, and crew rest areas, in accordance with Flight Structures, Inc. Master Drawing List 96FS647-D81, Revision D, dated March 4, 1997, or a later FAA-approved revision.

*Limitations and Conditions:* The approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA-approved Flight Structures, Inc. Master Drawing List 96FS647-D81, Rev. D, dated March 4, 1997, or a later FAA-approved revision, shall be maintained as part of the permanent records for the modified aircraft.

*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:* September 12, 1996

*Date reissued:*

*Date of issuance:* March 21, 1997

*Date amended:*



*By direction of the Administrator*

*Elizabeth C. Noon*  
\_\_\_\_\_  
(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.*