

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number **ST01766SE***This certificate, issued to***Flight Structures, Inc.
6330 31st Avenue NE
Marysville, WA 98271**

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

<i>Original Product—Type Certificate Number:</i>	A20WE
<i>Make:</i>	Boeing
<i>Model:</i>	747-400 Series

Description of the Type Design Change: Installation of an interior reconfiguration on Model 747-400 series airplanes in accordance with Flight Structures, Inc., Master Drawing List A5FS509-D01, Revision AA, dated November 1, 2007, or later Federal Aviation Administration approved revision.

Limitations and Conditions: 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 will introduce no adverse effect upon the airworthiness of the aircraft. A copy of this certificate and Flight Structures, Inc., Master Drawing List A5FS509-D01 must be maintained as part of the permanent records for the modified aircraft. This Supplemental Type Certificate (STC) is applicable to the airplane serial numbers contained in Master Drawing List A5FS509-D01 only.

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 for additional limitations and conditions.

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: July 28, 2005

Date reissued:

Date of issuance: June 27, 2007

Date amended: 7/26/07; 9/20/07; 11/7/07



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.

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Supplemental Type Certificate

(Continuation Sheet)

Number **ST01766SE**

Note: This continuation sheet is applicable to the STC as amended on July 26, 2007, September 20, 2007, and November 7, 2007.

Limitations and Conditions continued: The Supplemental Instructions for Continued Airworthiness, Flight Structures Document A5FS509-D15, Revision A, dated June 28, 2007, or later FAA accepted revision must be incorporated into the operator's maintenance program.

Airplane Flight Manual Supplement, Flight Structures Document TP5-509AFM Revision 3, dated November 5, 2007, or later FAA approved revision is applicable to airplanes modified in accordance with this STC.

Provisions for baby bassinets are installed forward of the zone C seats, The FAA has not certified the bassinets for which these provisions are intended. Additional FAA approval is required to install the bassinets. The FAA must evaluate the installation to ensure it complies with the applicable airworthiness standards.

The resulting interior configuration is not certified for occupancy as the following are installed by European Aviation Safety Agency (EASA) STC: Benson Lund flight attendant seat Part Numbers OB770-0501, OB770-0502 upper deck station 705, Sogerma G1 galley part number AGCX2-100000-04 and the ceiling header panel between the G1 galley and the VIP lavatory installed by this STC. As such, cabin safety aspects of the interface with those items could not be evaluated. All compliance findings that would otherwise support full occupancy of the airplane have been made.

Concurrent installation of Northwest Aerospace Technologies, Inc. Supplemental Type Certificate ST01769SE is required for aircraft listed in FSI document A5FS509-D11, Revision IR, dated November 5, 2007, or later FAA approved revision.

Concurrent installation of Aero Compliance Group, Inc. Supplemental Type Certificate ST1 0469SC is required for aircraft listed in FSI document A5FS509-D11, Revision IR, dated November 5, 2007, or later FAA approved revision.

Concurrent installation of Northwest Aerospace Technologies, Inc. Supplemental Type Certificate ST01774SE is required for aircraft listed in FSI document A5FS509-D11, Revision IR, dated November 5, 2007, or later FAA approved revision.

Concurrent installation of Delta Engineering Supplemental Type Certificate ST02228NY-D, is required for aircraft listed in FSI document A5FS509-D11, Revision IR, dated November 5, 2007, or later FAA approved revision.

Certification Basis: The certification basis for this modification is in accordance with Type Certificate Data Sheet, A20WE, with the following exceptions:

Regulations at a later amendment than specified in A20WE

25.29	Amendment 25-72	25.813 (a)(b)(d)(e)	Amendment 25-88
25.305 (a)(b)	Amendment 25-77	25.854 (a)(b)	Amendment 25-74
25.307 (a)	Amendment 25-72	25.869 (a)(4)	Amendment 25-113
25.613 (a)(b)(e)	Amendment 25-112	25.981 (a)(b)	Amendment 25-102
25.625	Amendment 25-72	25.1351 (a)(1)	Amendment 25-72
25.787	Amendment 25-38	25.1411 (a)(b)(d)(e)(f)	Amendment 25-79
25.793	Amendment 25-51	25.1529	Amendment 25-54
25.810	Amendment 25-114	25.1583 (c)(1)(2)	Amendment 25-72
25.811 (a)(b)(c)(d)(g)	Amendment 25-88	25.1585 (a)	Amendment 25-105
25.812 (a)(b)(1)(e)(k)	Amendment 25-58		

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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.