

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

Number **ST00862SE**

This certificate, issued to

**Wagner Aeronautical, INC.
613 West Valley Parkway Suite 220
Escondido, CA 92025**

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 Aviation Regulations.

Original Product—Type Certificate Number: A3WE
Make: Boeing
Model: 727-100 series

Description of the Type Design Change: Modification and reinforcement of the fuselage floor structure in accordance with Wagner Aeronautical, Inc. Master Drawing List Number WAI 0016-2, Revision C, dated December 13, 2000, 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 aircraft of these models 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 must be maintained as part of the permanent records for the modified aircraft.

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 pages 3 through 4 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: April 25, 2000

Date reissued:

Date of issuance: December 20, 2000

Date amended:

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.

United States of America
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Supplemental Type Certificate
(Continuation Sheet)

Number ST00862SE

Issued to: Wagner Aeronautical Inc.

Date of Issuance: December 20, 2000

Date Amended:

Limitations and Conditions: (cont'd)

Certification Basis:

a. The original type certification basis for the Boeing 727-200 airplane shown on FAA Type Certification Data Sheet (TCDS) A3WE, Revision 19, for parts not changed or not affected by the change, and is as follows:

CAR 4b, dated December 31, 1953, Amendments 4b-1 through 4b-11, Special CAR SR-422B; Special Conditions set forth in FAA letter to Boeing dated February 2, 1967, as revised by FAA letters to Boeing dated June 20, 1967, September 1 and 13, 1967; FAR Amendment 36-2.

b. For those parts of the airplane that are changed or are affected by this STC, the certification basis is the type certification basis as shown above in FAA TCDS A3WE, plus the following specific sections fo FAR Part 25:

FAR 25.25 Amendment 25-63
FAR 25.29 Amendment 25-72
FAR 25.301 Amendment 25-23
FAR 25.303 Amendment 25-23
FAR 25.305 Amendment 25-0
FAR 25.307 Amendment 25-72
FAR 25.321 Amendment 25-23
FAR 25.331 Amendment 25-0
FAR 25.335 Amendment 25-0
FAR 25.337 Amendment 25-23
FAR 25.365 Amendment 25-0
FAR 25.471 Amendment 25-0
FAR 25.473 (a) Amendment 25-0
FAR 25.479 Amendment 25-0
FAR 25.489 Amendment 25-0
FAR 25.493 Amendment 25-0
FAR 25.499 Amendment 25-0
FAR 25.509 Amendment 25-0
FAR 25.561 Amendment 25-23
FAR 25.601 Amendment 25-0
FAR 25.603 Amendment 25-46
FAR 25.605 Amendment 25-46
FAR 25.607 Amendment 25-23
FAR 25.609 Amendment 25-0
FAR 25.611 Amendment 25-23
FAR 25.613 Amendment 25-72
FAR 25.619 Amendment 25-23
FAR 25.625 Amendment 25-72
FAR 25.685(a),(c) Amendment 25-38

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Limitations and Conditions: (cont'd)

FAR 25.855(d), (e) Amendment 25-72

FAR 25.1529 Amendment 25-54

Eligible Serial Numbers: Eligible Being Model 727-100 serial numbers are listed in Wagner Aeronautical Inc. Master Drawing List Number WAI0016-2.

Airplane Flight Manual Supplements (AFMS)

The following supplements are applicable and essential to the Boeing Model 727-100 series airplanes modified in accordance with this STC:

Airplane Flight Manual Supplement for Boeing 727-100/-200

Document Number WAI0016-5, Revision IR or later approved revision

Weight and Balance Manual Supplement for Boeing 727-100

Document Number WAI0 0016-3 YYYYYY. (Each approved serial number (YYYYYY) has a unique weight and balance manual document number specific to that airplane. Revision IR or later approved revision).

The above AFMS's and weight and balance annual supplements are to provided appropriate to the airplane model upon which this STC is incorporated. The maximum main deck cargo weight that may be carried is limited to the lesser of the approved cargo barrier or cargo restraint system limit, the weight permitted by the approved main deck running loads or distributed loads, or the approved cumulative zone or fuselage monocoque structural loading limitations, properly including lower cargo hold.

Instructions for Continued Airworthiness: The Wagner Aeronautical Inc. document WAI 0016-13 contains information essential to the proper maintenance, repair and continued airworthiness of airplanes modified in accordance with this STC. Section 4.1 is this document contains the necessary routine maintenance instructions. Section 5.0 contains information regarding structural repairs. Section 6.1 provides information relative to compliance with the Boeing Corrosion Prevention and Control Program.

Sections 3.0 and 6.1 contain information related to airworthiness limitations and supplemental structural inspections. Paragraph G of Airworthiness Directive 98-11-03 requires that operators revise their maintenance program to include an inspection method and compliance time for each new of affected Significant Structural Item (SSI), within one year of modification. This STC is approved for the thresholds and inspection intervals established by Sections 3.0 and 6.1 of WAI 1600-13, or one year after installation (in accordance with AD 98-11-03), whichever is greater.

-END-

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