

Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

*Number* SA1797SO*This certificate, issued to*

**Aeronautical Engineers, Inc.**  
**P. O. Box 661027**  
**Miami, Florida 33166**

*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 4b of the Civil Air Regulations.*

*Original Product—Type Certificate Number:* A3WE  
*Make:* Boeing  
*Model:* 727 Series, 727-100 Series, 727-200 Series

*Description of the Type Design Change:* Installation of a cargo door in accordance with Aeronautical Engineers, Inc. Report No. R-517, "Drawing List, Cargo Door Installation in B727 A/C," dated April 10, 1985, or later FAA approved revision, for 727 and 727-100 Series. Installation of a cargo door in accordance with Aeronautical Engineers, Inc. Report R-517, Revision W, dated April 1, 1993, or later FAA approved revision for 727-100 series.

*Limitations and Conditions:* The approval of this change applies to Boeing Model 727 Series, 727-100 Series and 727-200 Series airplanes 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 by the installer that the interrelationship between this change and any of those other previously approved modifications will produce no adverse effect upon the airworthiness of that aircraft. This determination should include consideration of significant changes in weight distribution such as increase in the fixed disposal weight in the fuselage. Continued on page 2.

*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 22, 1985

*Date reissued:*

*Date of issuance:* June 21, 1985

*Date amended:* April 7, 1993



*By direction of the Administrator*

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 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.*

DepartmentofTransportation - FederalAviationAdministration

# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA1797SO

**Aeronautical Engineers, Inc.**

*Issued:* June 21, 1985

*Reissued:*

*Amended:* April 7, 1993

*Limitations and Conditions continued:* Airplane Flight Manual Supplement No. R-547-1, dated June 21, 1985, is a required part of this STC for 727 or 727-100 Series. Airplane Flight Manual Supplement, Aeronautical Engineers, Inc. Report R-730, dated April 7, 1993, is a required part of this STC for Model 727-200 Series airplanes. The airplane will be inspected in accordance with Aeronautical Engineers, Inc. Report No. R-538, "Cargo Door Daily Inspection Procedures," dated April 7, 1982, Report No. R-539, "Cargo Door 250 Hour Inspection Procedures," dated April 7, 1982, and Report No. R-527, "Cargo Door 3000 Hours Inspection Procedures," dated April 7, 1982, (or later FAA approved revisions of these reports).

Note: Cargo Doors installed in accordance with Drawing List, Aeronautical Engineers, Inc. Report R-517, Revision W, or later FAA approved revision, meet the requirements of FAR 25.783, Amendment 25-54.

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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.*