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United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4341NM

This certificate, issued to The Carstan Corporation

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 4b *of the* Civil Air *Regulations.*

Original Product—Type Certificate Number: A3WE

Make: Boeing

Model: 727-100

Description of Type Design Change Increase in the zero fuel weight of the Boeing 727-100 airplane in accordance with FAA Approved Carstan Drawing 1101, Revision N/C dated June 6, 1988, or later FAA Approved revision.

Limitations Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship 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 Drawing Number 1101 shall be maintained as part of the permanent records for the modified aircraft. The airplane must be operated in accordance with Carstan FAA Approved Flight Manual Supplement No. 1.

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: November 3, 1987

Date of issuance: JUL 29 1988

Date reissued:

Date amended:

By direction of the Administrator

William B Ashworth

(Signature)

Manager, Seattle Transport
Airplane Office, ANM-100S

(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.

FAA FORM 8110-2 (10-68)