United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

B

Number SA1693NM

This certificate, issued to Stuart K. Mitzel

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

Original Product — Type Certificate Number: A-743

Make: Boeing

Model: E75 (PT-13D)

Description of Type Design Change: Installation of a Continental W670-6A engine (220 h.p.); McCauley propeller Hub model 41D5926 and Blade model SS-135-6; metalized fuselage with .020 ALCLAD 2624-T3 sheet with 5/32 2117 AD rivets; and Vultee BT-13 brakes and wheels in accordance with Stuart K. Mitzel photos (1) through (4).

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Boeing Model E75, Serial Number 75-5716 only. A copy of this Certificate and STC Addendum No. SA1693NM, 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 9, 1982

Date of issuance: October 13, 1982

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

FAA

Acting Manager, Seattle Area 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.

FAA FORM 8110-2 (10-68)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

October 13 , 1982 *Number* SA1693NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1693NM

The conditions and limitations of Type Certificate Data Sheet Number A-743 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA1693NM, prescribes the conditions and limitations under whych the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations:

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: STUART K. MITZEL

I. BOEING E-75 (PT-13D) (LANDPLANE-NORMAL CATEGORY) AS MODIFIED BY STC SA1693NM.

. Engine:	Continental W670-6A
. Engine Limits:	For all operations, 2075 RPM (220 h.p.)
. Propeller and Propeller Limits:	McCauley 41D5926/SS-135-6 Same as specified in Data Sheet
. Weight:	2950 lbs. (Same as Aircraft Specification Data Sheet A-743.)
. C. G. Range:	(-1.0) to (+7.1) - (Same as Aircraft Specification Data Sheet A-743.)
. Serial Number Eligible:	75-5716 only
. Placard:	Place an ADDITIONAL data plate to read:

BOEING E75 (ARMY PT-13D/NAVY N2S-5)
MODIFIED BY STC SA1693NM

- END -

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

FAA FORM 8110-2-1 (10-69) *This certificate may be transferred in accordance with FAR 21.47.*

C FAA AC 73-2651