

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

Number SA38NW

This certificate, issued to J. Stan Jenkins

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: A743

Make: Boeing (Stearman)

Model: IB75A

Description of Type Design Change:

Installation of a Pratt and Whitney R985-AN3 engine, Hamilton Standard 2D30/6101A-12 propeller, BE-18 exhaust collector and carburetor heat system, Beech 18 oil cooler, oil tank (5 gallon) and BT-13 wheels and brakes. Also installed type PT-22 front and rear windshield.

Limitations and Conditions:

Data not suitable for reproduction in other aircraft; therefore, they are satisfactory for Boeing IB75A on a one-only airplane basis for Serial Number 75-2443 with Registration N56208.

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: 14 July 1972

Date received:

Date of issuance: 16 April 1973

Date amended:

By direction of the Administrator



James C. Robinson
(Signature)

Acting Chief, Engineering and Manufacturing Branch
(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 SA38NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA38NW

The conditions and limitations of the original specification apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA38NW, prescribes conditions and limitations under which the product for which the STC was issued and meets the airworthiness requirements of Civil Air Regulations 4a. A copy of this Addendum shall be maintained as part of the modified aircraft permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: J. Stan Jenkins

I. MODEL B75A BOEING (LANDPLANE ONLY, NORMAL CATEGORY) AS MODIFIED BY STC SA38NW

Engine:	Pratt & Whitney R985-AN3
Fuel:	87 Minimum Grade Aviation Gasoline
Engine Limits: (Takeoff)	450 hp. @ 2300 rpm - 1 minute
(Meto)	310 hp. @ 1950 rpm
Airspeed Limits:	Level flight or climb 125 mph true ind.
	Glide or dive 150 mph true ind.
Propeller and	Hamilton Standard 2D30/6101A-12
Propeller Limits:	Diameter: 9'0" maximum
	8'3 7/8" minimum
C.G. Range:	-2.1 to 4.0 @ 3200#
Maximum Weight: (Takeoff)	NC certification, 3200#
Fuel Capacity:	46 gallons
Oil Capacity:	5 gallons
Power Plant Instrument	
Markings: Tachometer:	2300 rpm (Red Line)
Oil Temp.:	200°F (Red Line)
Oil Pressure:	Minimum 50 psi (Red Line)
	Maximum 100 psi (Red Line)
	Green Arc between 70 and 90 psi
	Yellow Arc between 50 and 70 psi
Control Surface Movements	Elevator up 28° down 22°
SERIAL NUMBERS ELIGIBLE:	75-2443 ONLY

REQUIRED EQUIPMENT: In addition to the equipment and applicable by the original type certificate, the items as specified below apply to this STC.

(Continued)

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NOTE 1. Current weight and balance report including list of equipment included in the certificate empty weight, must be in the aircraft.

NOTE 2. The following PLACARDS must be installed in the rear cockpit and in clear view of the pilot:

1. METO POWER NOT TO EXCEED 310 HP. (1950 RPM).
2. INTENTIONAL SPINS PROHIBITED.
3. SOLO FROM THE REAR SEAT ONLY.