

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

Number SA153EA

This certificate issued to Beryl D'Shannon Aviation Specialties, Inc.

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 03/3 of the Civil Air Regulations (Part 03 applies to T. C. A-777) (Part 3 applies to T. C. 3A15)

<i>Original Product — Type Certificate Number:</i>	A-777 - Beech Models A35 through G35
<i>Make:</i>	3A15 - Beech Models H35 through P35 (See Note)
<i>Model:</i>	3A15 - 35-33, 35-A33, 35-B33, S35 (Added 7-26-77; See Notes 5 and 6)
<i>Description of Type Design Change:</i>	3A15 - 35-C33A, E33A, E33C (Added 9-7-77; See Notes 5 and 6)
	3A15 - F33A, F33C, V35, V35A, V35B (Added 9-28-79; See Note 6)

For Description of Type Design Change, See Page Two

Limitations and Conditions: Required placards as specified in Beryl D'Shannon Aviation Specialties, Inc., drawing B1404, Rev. E, dated July 25, 1977, or later FAA approved revisions must be installed. Required Airplane Flight Manual Supplements are listed on Page 2. This approval should not be extended to other aircraft of the same model on which other approved modifications have been made unless it has first been determined that the interrelationship between these various modifications will have no adverse affect on the airworthiness of the aircraft.

(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: July 25, 1963

Date of issuance: September 20, 1963

Date issued: 8-27-68, 8-8-73, 10-3-73, 2-6-75

Date amended: 5-25-64, 5-19-75, 12-11-75, 4-27-76, 7-26-77, 9-7-77, 9-28-79

By direction of the Administrator



FRANCIS C. ROCK, (Signature) Assistant Chief,
Engineering and Manufacturing Branch
Flight Standards Division
(Title)

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

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA153EA

Description of Type Design Change:

Installation of Beryl D'Shannon Aviation Specialties, Inc., Fiberglass Tip Tanks (15 gallon RB4-100, reference STC's SA283EA and SA134EA) and fuel transfer system in accordance with Beryl D'Shannon Aviation Specialties Installation Kit KB1401, Rev. E, dated May 19, 1977, or later FAA approved revisions.
This installation required operation in the Normal Category.
Limitations and Conditions (Continued):

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM (NOTES)

1. Approval of this installation involves a change in type certificated center-of-gravity range as well as a gross weight increase; therefore, the STC holder must make available revised airplane loading procedures. Approved weight and CG range limitations are contained in the applicable AFM or POH Supplement.
2. The complete fuel system and wing tip tanks (empty) installed weight increase is 24 pounds at 89.1 inches aft of datum. The center-of-gravity of wing tip fuel is 87 inches aft of datum.
3. The required Flight Manual Supplements and/or the Pilot's Operating Handbook Supplements are listed below. The applicable gross weight increase is indicated by the listed "Note."

Model	AFMS/POHS Date	Applicable Gross Weight Increase
A35 through H35	12-11-75	Note 4
J35, K35, M35	12-11-75	Note 4
N35, P35	4-27-76	Note 4
35-33, 35-A33, 35-B33, S35	7-26-77	Note 5
35-C33A, E33A, E33C	Not Required	Note 5
35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A, V35B	9-28-79	Note 6 Note 6

4. This STC permits a maximum gross weight increase of 200 pounds for the listed models during takeoff and landing.

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.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA153EA

Limitations and Conditions (Continued):

5. This STC permits an increased maximum gross weight for takeoff and landing as listed below:

<u>Model</u>	<u>Maximum Gross Weight (pounds)</u>
35-33, 35-A33, and 35-B33	3050
S35, 35-C33A, E33A, and E33C	3400

6. This STC permits an increased maximum gross weight of 3550 pounds for takeoff and landing for the models listed below. Acceptable main gear wheels, brakes, and tires also listed below must be installed in order to qualify for the 3550 pound maximum gross weight.

Model

35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A and V35B

Acceptable complete wheel and brake assemblies:

P/N 95-810002-15	P/N 95-810002-16
P/N 95-810002-23	P/N 95-810002-24
P/N 35-810026-27	P/N 35-810026-7

Acceptable MLG wheel assemblies:

P/N 36-8001-3	P/N 35-8002-3
P/N 95-300001-67	P/N 95-300001-73

Acceptable Brakes:

P/N 36-8001-9	P/N 35-8002-5
P/N 95-300001-5	P/N 95-300001-6

Acceptable Tires:

6 00X6 6P TT and 7 00X6 6P TT -- 6 ply tube type
7 00X6 6P TL -- 6 ply tubeless

Date Issued: September 20, 1963

Date Amended: September 28, 1979

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.

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

Number SA808SO

This certificate issued to Beryl D'Shannon Aviation Specialties, Inc.

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 03/3 of the Civil Air Regulations. (Part 03 applies to T.C. A-777, Part 3 applies to T.C. 3A15)

Original Product — Type Certificate Number: A-777 - Beech Models A35 through G35, 35 & 35R
3A15 - Beech Models H35 through S35, & 35-33
Make: 3A15 - Beech Models 35-C33, E33, F33, F33A,
Model: F33C, G33, V35, V35A, V35B, A36 (Added
July 26, 1977); 36 (Added Sept. 7, 1977)
A36TC (Added January 31, 1980)

Description of Type Design Change:

Installation of Beryl D'Shannon Aviation Specialties, Inc., Fiberglas tip tanks (1.5 gallons each) and fuel transfer system in accordance with Beryl D'Shannon Aviation Specialties, Inc., Installation Kit Drawing KB1401, Rev. E, dated May 19, 1977, or later FAA approved revisions. Drawing KB1401, Revision F, dated April 12, 1979, includes optional wing-tip anticollision light installation. This STC requires operation in the Normal Category.

Limitations and Conditions: Required placards as specified in Beryl D'Shannon Aviation Specialties, Inc., drawing B1404, Rev. E, dated July 25, 1977, or later FAA approved revisions, must be installed. Required Airplane Flight Manual Supplements are listed on Page 2.

This approval should not be extended to other aircraft of the same model on which other approved modifications have been made unless it has first been determined that the interrelationship between these various modifications will have no adverse effect on the airworthiness of the aircraft. (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: September 20, 1974

Date issued: February 6, 1975

Date of issuance: October 25, 1974

Date amended: July 26, 1977; Sept. 7, 1977;
January 31, 1980; February 8, 1980

By direction of the Administrator



KEITH I. BLYTHE (Signature)

Chief, Engineering and Manufacturing Branch
Flight Standards Division
(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
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA808SO

Limitations and Conditions (Continued):

SUPPLEMENTAL TYPE CERTIFICATE NOTES

1. The required Airplane Flight Manual Supplements and/or the Pilot's Operating Handbook Supplements are listed below:

<u>Model</u>	<u>AFMS/POHS DATE</u>	<u>APPLICABLE NOTE(S)</u>
35, A35, B35, C35 D35, 35R, E35, G35 H35, J35, K35, M35 N35, P35, S35, 35-33	10/25/74	
35-C33, E33, F33, F33A F33C, G33, A36	7/26/77	
V35, V35A, V35B	7/26/77	# 2
36	Not Required	
A36TC	1/31/80	

2. The Model V35, V35A, and V35B aircraft have been evaluated for compatibility of this STC (SA808SO) with STC's SA503NW (Robertson STOL Conversion) and SA2030WE (Brittain Industries Autopilot NAV 2B). Airplane Flight Manual Supplement dated February 8, 1980, is required when STC SA808SO is installed in these Models which have incorporated STC SA503NW. The assurance of compatibility of STC's SA808SO and SA503NW with any other autopilot installation is the responsibility of the modifier.

Date Amended: February 8, 1980

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