



WEIGHT & BALANCE COMPUTATION

MAKE Beechcraft MODEL A36 S/N E-2377

REGISTRATION N326DK TOTAL HOURS 1333.5 DATE 10-31-00

ITEM	WEIGHT	ARM	MOMENT
AIRCRAFT EMPTY	2527.35	79.31	200452.79
Installed Beryl D'Shannon tip tanks STC# SA153EA	+ 24	89.1	- 2138.4
Removed Mccauley 3 bladed prop & spinner assy	- 68	- 9	+ 612.00
Installed 3 bladed Hartzell prop & spinner assy	+ 72.5	- 9	- 652.5
Installed 1/2" thick windshield Beryl D'Shannon STC# SA99780	+ 16	64	+ 1024.00

TOTALS 2571.85 79.15 203574.69

NEW EMPTY WEIGHT = 2571.85

NEW USEFUL LOAD = 1261.15

NEW EMPTY C G = 79.15

NEW EMPTY MOMENT = 203574.69

Approved By

Scott V Mauch
Scott V Mauch

WORK ORDER
BEEGLES AIRCRAFT SERVICE, INC.
711 CROSIER AVENUE
GREELEY, CO 80631
REPAIR STATION BX4R092M

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

LIMITED TO THE WORK PERFORMED

Pertinent details of the repair are on file at this Repair Station under Work Order:

NO. 9022 DATE 10-31-00 SIGNED [REDACTED] FOR REP. STATION

CUSTOMER Don Kelly REGISTRATION NO. N326DK

MAKE Beech MODEL A36 S/N E-2377 TACH READ 1333.5

ITEM NO.

1. Repaired fuselage - replaced:
 - A. LH & RH keel beams.
 - B. LH & RH keel beam angles and related doublers and bulkheads.
 - C. LH & RH nose bowl side skins.
 - D. LH & RH exhaust shield skins.
 - E. Forward belly skin.
 - F. Main belly skin.
 - G. Lower aileron pulley tower bracket.
 - H. LH nose gear drag brace support casting.
 - I. Air conditioner condenser and hinge.
 - J. Air conditioner condenser fairings.
 - K. Air conditioner condenser actuator and attach channel.
 - L. Air conditioner condenser limit switch.
 - M. Air conditioner receiver dryer.
 - N. Air conditioner evaporator drain.
 - O. LH cowl flap.
 - P. Cabin door seal.
 - Q. Installed 1/2" thick Beryl D'Shannon windshield kit STC# SA99780 see 337 dated 10-31-00.
 - R. Cabin step.
 - S. Battery drain tube.
 - T. Air induction grill.
2. Repaired fuselage - replaced:
 - A. LH upper cowling door.

3. Repaired landing gear:
 - A. Replaced nose gear drag brace assembly.
 - B. Replaced LH & RH nose gear doors.
 - C. Checked gear system rigging. Checked down lock and uplock tensions. Performed operational check. Checked emergency extension.
4. Repaired RH flap - replaced:
 - A. Inboard rib.
 - B. Corrugation doubler.
 - C. Skin.
5. Repaired LH flap - replaced:
 - A. Inboard rib.
 - B. Skin.
6. Reinstalled Continental IO-550-B sn 675348 after repair from Western Skyways WO# 13540. Replaced induction boot, engine mounts, engine breather tube, and LH & RH exhaust tail pipes. Serviced engine with Aeroshell 100W, pre oiled, test run, and checked for leaks. All systems, temperatures, and pressures normal.
7. Installed Hartzell propeller Model PHC-C3YF-1RF/F7691 s/n EE3659B and spinner and bulkhead. Beryl D'Shannon STC# SA450CH, see 337 dated 10-31-00.
8. Airplane completely stripped, acid etched, alodined, and repainted entire airplane. Jet Glo Marathon White # 570-505, Acry Glo Light Burgundy #H10629, Las Vegas Gold #H10494, Tibetan Gold #H10689. Changed registration from N3075W to N326DK. Checked static balance on rudder, elevators, and ailerons after paint.
9. Reassembled airplane:
 - A. Reinstalled flaps, ailerons, rudder, and elevators. Performed operational check.
 - B. Installed Beryl D'Shannon fiberglass tip tanks, STC# SA283EA, see 337 dated 10-31-00

All work done IAW Beech Manuals 36-0001-3B15, 2-9-98 and 36-0001-1G12, 7-10-00.

PROPRIETARY

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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.
P.O. Box 208
Weslaco, TX 78596

Permission is hereby given for the following aircraft and only valid when the signature in the approval by is signed by Allan Petersor and the return of the registration slip is validated. Model Only A-36
Aircraft Call Number N307SV
Serial E-2377 Kit Ser BAE389-6
Approved By A.P.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations.

Original Product Type Certificate Number:

*(see attached FAA Approved Model List for

Make:

list of approved models and applicable airworthiness regulations)

Model:

Description of Type Design Change: Installation of Beryl D'Shannon Aviation Specialties, Inc. Fiberglass Tip Tanks (15 gallon RB-100, reference STC's SA283EA and SA134EA) and fuel transfer system in accordance with Beryl D'Shannon Aviation Specialties Installation Kit KB1401, Rev. F, dated April 12, 1979, or later FAA approved revisions. This installation requires operation in the NORMAL CATEGORY.

Limitations and Conditions: Requires 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 3. 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 (See continuation sheet 3 of 4)

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 received: 02/06/75; February 06, 1975

Date of issuance: September 20, 1963

Date amended: 09/28/79; October 08, 1996, Rev. 8



By direction of the Administrator


(Signature)
for A. J. Merrill
Manager, Special Certification Office
Southwest Region

(Title)

FAA APPROVED MODEL LIST (AML)

STC No. SA153EA

Date of Issuance: July 25, 1963

Date Amended: October 8, 1996, Rev. 8

Beryl D'Shannon Aviation Specialties, Inc.

P.O. Box 208

Weslaco, TX 78596

Permission is hereby given for the following aircraft and only valid when the signature in the approval box is signed by Allan Petersen and the return of the registration slip is validated. Model Only A-36

Aircraft Call Number N3075U

Serial E-2577 Kit Ser. 104287-016

Approved By A. P.

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Regulation/Part
1	Beech	A35, B35, C35, E35, F35, and G35	A-777	CAR 03
2	Beech	H35, J35, K35, M35, N35, and P35 35-33, 35-A33, 35-B33, and S35 (added 7-26-77, see Notes 5 and 6) 35-C33A, E33A, and E33C (added 9-7-77, see Notes 5 and 6) F33A, F33C, V35, V35A, and V35B (added 9-28-79, see Note 6) 36, A36, and A36TC (added 10-8-96, see Note 7)	3A15	CAR 3

PROPRIETARY

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United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

"PROPRIETARY"

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Number SA153EA

Date of Issuance: September 20, 1963

Date Amended: October 08, 1996

Permission is hereby given for the following aircraft and only valid when the signature of the approval is signed by Allan Petersen and the return of the registration slip is validated. Model Only A-36
Aircraft Call Number N5075V
Serial E-237 Kit Ser 6042307
Approved By A. J.

Limitations and Conditions (Continued):

of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

SUPPLEMENTAL TYPE CERTIFICATE (STC) 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 C.G. 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, B35, C35, D35, E35, F35, and G35	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, and S35	7-26-77	Note 5
35-C33A, E33A, and E33C	Not Required	Note 5
35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A, and V35B	9-28-79	Note 6
36, A36, and A36TC	10-7-96	Note 7

4. This STC permits a maximum gross weight increase of 200 pounds for the listed models during take-off and landing.
5. This STC permits an increased maximum gross weight for take-off and landing as listed below:

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

6. This STC permits an increased maximum gross weight of 3550 pounds for take-off and landing for Models 35-C33A, E33A, E33C, F33A, F33C, S35, V35, and V35B. Flight Manual Supplements incorporating this gross weight increase for these models are dated September 29, 1979. Acceptable main gear wheels, brakes, and tires also listed below must be installed to qualify for the 3550 pound maximum gross weight.

Model

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

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

PROPRIETARY Supplemental Type Certificate

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(Continuation Sheet)

Number SA153EA

Date of Issuance: September 20, 1963

Date Amended: October 08, 1996

Permission is hereby given for the follow aircraft and only valid when the signature the approval by is signed by Allan Peters and the return of the registration slip validated. Model Only A-36

Aircraft Call Number N308U

Serial E-2577 Kit Ser 1012387-2

Approved By A. P.

Limitations and Conditions (Continued):

Acceptable complete wheel and brake assemblies:

P/N 95-810002-15

P/N 95-810002-16

P/N 95-810002-23

P/N 95-810002-14

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:

6.00 * 6 6P TT and 7.00 * 6 6P -6 ply tube type

7.00 * 6 6P TL -6 ply tubeless

7. This STC permits an increased maximum gross weight for take-off and landing as listed below:

Model	Max. Gross Weight (lbs.)	AFMS Doc. No./Date
36, and A36 (s/n E-1 through E-2110 except E-1946, and E-2104)	3780	FMS-36GW195-8, dated 10-7-96
A36 (s/n E1-1946, E2104, E-2111 and after)	3833	FMS-36GW195-7, dated 10-7-96
A36TC	3833	FMS-36GW195-6, dated 10-7-96

- END -

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