



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|-------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 | |
| | Make BEECH | Model A36 | Series |
| 2. Owner | Name (As shown on registration certificate) FLYING DAWG AVIATION LLC | Address (As shown on registration certificate) Address PO BOX 847 | |
| | | City EUFAULA | State OK |
| | | Zip 74432-0847 | Country USA |


3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---------------------------------------|--|-----------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name DAVIS FIELD AVIATION, LLC | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 1200 SABRE ST | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City MUSKOGEE State OK | | <input checked="" type="checkbox"/> Certificated Repair Station | D3FR571X |
| Zip 74403 Country USA | | <input type="checkbox"/> Certificated Maintenance Organization | LIMITED AIRFRAME |


D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

| | | | | |
|----|--------------------------------------------------|----------------|--------------------------|------------------------------------------------------|
| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Persons Approved by Canadian Department of Transport |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | Inspection Authorization | |

| | |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate or Designation No. D3FR571X | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N7235E

03/11/2024

Nationality and Registration Mark

Date

BEECH

A36

E-2252

Verified this aircraft was on STC-AML #SA01899WI. Verified all equipment interfacing to the G3X Touch System was listed on STC approved equipment list.

A. The following equipment and components were installed I/A/W G3X Touch installation manual P/N: 190-02472-01 Rev 15 and FAA STC #SA01899WI.

1. Garmin GDU 460, P/N: 011-02920-05 conforming to FAA-PMA
2. Garmin GMU 11, P/N: 010-01788-01 conforming to FAA-PMA
3. Garmin GAD 29D, P/N: 011-03236-21 conforming to FAA-PMA
4. Garmin GSU 25D, P/N: 011-02929-56 conforming to FAA-PMA
5. Garmin GEA 24B, P/N: 011-05991-01 conforming to FAA-PMA
6. Garmin GTP 59, P/N: 011-00978-00 conforming to FAA-PMA
7. Garmin GMA 245RM, P/N: 011-03784-10 conforming to FAA-PMA
8. Garmin GPS Glareshield Mount Antenna, P/N: 011-04036-00 conforming to FAA-PMA
9. Garmin GDU 470, P/N: 011-04311-05 conforming to FAA-PMA

B. The GDU 460 was installed in the pilot's instrument panel I/A/W G3X Touch installation manual and FAA STC # SA01899WI.

C. The GDU 470 was installed in the center of the instrument panel I/A/W G3X Touch installation manual and FAA STC #SA01899WI.

D. The GMU 11 was installed in the tail of the aircraft I/A/W G3X Touch installation manual and FAA STC # SA01899WI.

E. The GSU 25D was installed behind the instrument panel of the GDU 460 I/A/W G3X Touch installation manual and FAA STC #SA01899WI.

F. The GAD 29D was installed behind the pilot panel I/A/W G3X Touch installation manual and FAA STC # SA01899WI.

G. The GEA 24B was installed behind the pilot panel I/A/W G3X Touch installation manual and FAA STC # SA01899WI.

H. The GTP 59 was installed under the left elevator I/A/W G3X Touch installation manual and FAA STC #SA01899WI.

I. The GMA 245RM was installed behind the radio pane on top of the GTN 750Xi I/A/W G3X Touch installation manual and FAA STC #SA01899WI.

J. An electrical load analysis was performed and found that the continuous load of the alternator does not exceed 80% of capacity I/A/W 14 CFR 23.1309 (c, d), and 14 CFR 23.1351 (a).

☒ Additional Sheets Are Attached

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N7235E

03/11/2024

Nationality and Registration Mark

Date

BEECH

A36

E-2252

K. A complete operational test was performed according to instructions in the Installation Manual, P/N: 190-02472-01 Rev 15. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft as required by 14 CFR 23.1301.

L. The aircraft equipment list was revised to reflect these changes; weight and balance change was updated.

M. An FAA approved G3X Touch EFIS flight manual supplement, document number 190-01754-01 Rev 6 was installed in the pilot's flight manual.

Instructions for Continued Airworthiness (ICA)

1. G3X Touch EFIS- G3X Instructions for Continued Airworthiness, P/N: 190-02472-02 Rev 9.

----- NOTHING FOLLOWS -----

☐ Additional Sheets Are Attached



1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

July 22, 2020

Subject: Authorization for STC Use
AML STC SA01899WI for G3X Touch Electronic Flight Instrument System

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA01899WI data to modify aircraft.

A handwritten signature in black ink, appearing to read "Robert Murray", with a long, sweeping underline.

Robert Murray
Director, Aircraft Certification
Garmin International, Inc.



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA01899WI

This certificate issued to: **Garmin International, Inc.**
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23* of the Federal Aviation Regulations.

Original Product – Type Certificate Number:
Multiple - AML STC

Make:
Model: **See Approved Model List (AML) SA01899WI for approved aircraft models and applicable airworthiness regulations**

Description of Type Design Change:

Installation of Garmin G3X Touch Electronic Flight Instrument System

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-01320-00, Revision 1, dated March 15, 2019
- (2) Garmin G3X STC Maintenance Manual including ICA190-02472-02, Revision 1, dated March 15, 2019
- (3) Garmin G3X Airplane Flight Manual Supplement 190-01754-01, Revision 1, dated March 15, 2019

Later FAA-approved revisions to the data listed above are incorporated without amendment to this certificate

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) Installation of G3X in aircraft certified for IFR must have standby instruments for attitude, airspeed and altitude. Permitted standby instrument configurations and other limitations are defined in the data shown in the Master Drawing List (MDL) identified above.
- (3) All aircraft listed on the Approved Model List (AML) meet the requirements for airplane certification level 1 and 2, and airplane performance level: low speed.

(continued on Page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: May 15, 2018

Date Reissued:

Date of Issuance: March 15, 2019

Date Amended: December 20, 2019; February 12, 2020;
April 21, 2023; October 10, 2023

By Direction of the Administrator

Signature

Title Robert Murray
ODASTC Unit Administrator
ODA-240087-CE

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA01899WM

October 10, 2023

***Certification Basis**

Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

a. The certification basis for parts not changed or not affected by this change remains unchanged from the original approval.

b. The certification basis for parts changed or affected by this change is:

| Section | Amdt. | Section | Amdt. |
|---------------------------------------------|----------|------------------------------------|----------|
| 23.251(a) | 23-62 | 23.1325(a)(b)(1)(2) | 23-50 |
| 23.301(a) | 23-48 | 23.1327 | 23-20 |
| 23.303 | Original | 23.1331 | 23-62 |
| 23.305 | 23-45 | 23.1337(a)(b)(1)(c) | 23-51 |
| 23.307(a) | Original | 23.1351(a)(1)(2)(i)(e) | 23-49 |
| 23.337(a)(b) | 23-48 | 23.1353(h)(1)(i)(2) | 23-62 |
| 23.561(a)(b)(3)(e) | 23-62 | 23.1357(a)(b)(c)(d) | 23-43 |
| 23.601 | Original | 23.1359 | 23-49 |
| 23.603 | 23-23 | 23.1365(a)(b)(d)(e) | 23-49 |
| 23.605(a) | 23-23 | 23.1367(a)(c)(d) | Original |
| 23.607(a)(b) | 23-48 | 23.1381(a)(b) | Original |
| 23.609 | Original | 23.1383(b)(c) | 23-49 |
| 23.611 | 23-48 | 23.1419(a)(c) | 23-43 |
| 23.613(a)(b)(c) | 23-45 | 23.1431(a)(b)(e) | 23-62 |
| 23.627 | Original | 23.1501 | 23-21 |
| 23.771(a) | 23-14 | 23.1521(a)(b)(1)(2)(4)(c)(1)(2)(4) | 23-50 |
| 23.773(a)(2) | 23-45 | 23.1523 | 23-34 |
| 23.777(a)(b) | 23-62 | 23.1525 | 23-45 |
| 23.853(a) | 23-62 | 23.1529 | 23-26 |
| 23.863(a)(b) | 23-34 | 23.1541 | 23-21 |
| 23.901(a)(b)(1)(e) | 23-53 | 23.1543(b)(c) | 23-50 |
| 23.954(a)(b) | 23-7 | 23.1545(a)(b)(1)(2)(3)(4) | 23-62 |
| 23.955(a)(2)(3)(4) (b)(c) | 23-51 | 23.1549 | 23-45 |
| 23.963(e) | 23-51 | 23.1553 | 23-50 |
| 23.993 | 23-43 | 23.1555(a)(b)(d)(3)(e)(2) | 23-62 |
| 23.1182 | 23-14 | 23.1581(a)(b)(c)(f) | 23-50 |
| 23.1183 | 23-51 | 23.1583(b)(h)(m) | 23-62 |
| 23.1301 | 23-62 | 23.1585(a)(1)(j) | 23-62 |
| 23.1303(a)(b)(c)(d)(f) | 23-62 | 23.2000 | 23-64 |
| 23.1305(a)(1)(2)(3)(b)(2)(3)(i)(4)(i)(5)(6) | 23-52 | 23.2005 | 23-64 |
| 23.1307 | 23-49 | 23.2010 | 23-64 |
| 23.1309(a)(1)(b)(d) | 23-62 | 23.2335 | 23-64 |
| 23.1310(a) | 23-62 | 23.2500(b) | 23-64 |
| 23.1311(a)(b) | 23-62 | 23.2505 | 23-64 |
| 23.1321 | 23-49 | 23.2510 | 23-64 |
| 23.1322 | 23-43 | 23.2515 | 23-64 |
| 23.1323(a)(b)(c) | 23-62 | 23.2520 | 23-64 |

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

FAA Approved Model List (AML) STC SA01899WI

| Aircraft Make (TCDS Holder) [common name or previous make] | Aircraft Model (alias) | Type Certificate Number | TC Certification Basis* | MDL 005-01320-00 Rev.** | AML Date | Limitations |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|-------------|
| Piper Aircraft, Inc. (Piper Aircraft, Inc.) | PA-38-112 | A18SO | FAR 23 | 1 | Mar 15, 2019 | |
| Piper Aircraft, Inc. (Piper Aircraft, Inc.) | PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32R-301(SP), PA-32R-301(HP), PA-32R-301T, PA-32-301, PA-32-301T, PA-32-301FT, PA32-301XTC | A3SO | CAR 3 | 1 | Mar 15, 2019 | (1)(2) |
| Polskie Zakłady Lotnicze Spółka z o.o (Polskie Zakłady Lotnicze Spółka z o.o) [PZL MIELEC] | PZL M26 01 | A44CE | FAR 23 | 1 | Mar 15, 2019 | |
| Revo, Inc. (Revo, Incorporated) [Lake] | Colonial C-1, Colonial C-2, Lake Model 250 Lake LA-4, Lake LA-4A, Lake LA-4P, Lake LA-4-200 | 1A13 | CAR 3 | 1 5 | Mar 15, 2019 Dec 20, 2019 | |
| SOCATA Morane Saulnier Rallye (SOCATA) [SOCATA - Groupe Aerospatiale] | Rallye 100S, Rallye 150ST, Rallye 150T, Rallye 235E, Rallye 235C, MS 880B, MS 885, MS 894A, MS 893A, MS 892A-150, MS 892E-150, MS 893E, MS 894E | 7A14 | CAR 3 | 1 | Mar 15, 2019 | |
| SOCATA (SOCATA) [SOCATA - Groupe Aerospatiale] | TB 9, TB 10, TB 20, TB 21, TB200 | A51EU | FAR 23 | 5 | Dec 20, 2019 | |
| Spartan Aircraft Company | Spartan 7W | TC 628 | Aero 7A | 1 | Mar 15, 2019 | |
| Stinson (Consolidated Vultee Aircraft Corporation) | V-77 (Army AT-19) | A-774 | CAR 4a | 11 | Dec 29, 2021 | |
| STOL (Sky Enterprises, Inc.) [Republic Sea-Bee] | RC-3 | A-769 | CAR 3 | 1 | Mar 15, 2019 | |
| Swift (Swift Museum Foundation Inc.) [Globe Aircraft Company] | GC-1A, GC-1B | A-766 | CAR 4a | 1 | Mar 15, 2019 | |
| Symphony Aircraft Industries Inc. (Symphony Aircraft Industries Inc.) [OMF] | OMF-100-160, SA 160 | A46CE | FAR 23 | 1 | Mar 15, 2019 | |
| Textron Aviation (Textron Aviation Inc.) [Beechcraft] | D17S (Army UC-43, UC-43B, Navy GB-1, GB-2), SD17S | A-649 | Aero 7A | 1 | Mar 15, 2019 | |
| Textron Aviation (Textron Aviation Inc.) [Beechcraft] | G17S | TC 779 | Aero 7A | 1 | Mar 15, 2019 | |
| Textron Aviation (Textron Aviation Inc.) [Beechcraft] | 19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R | A1CE | CAR 3 | 1 | Mar 15, 2019 | |
| Textron Aviation (Textron Aviation Inc.) [Beechcraft] | 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC | 3A15 | CAR 3 | 1 | Mar 15, 2019 | |



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|-------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 | |
| | Make BEECH | Model A36 | Series |
| 2. Owner | Name (As shown on registration certificate) FLYING DAWG AVIATION LLC | Address (As shown on registration certificate) Address PO BOX 847 | |
| | | City EUFAULA | State OK |
| | | Zip 74432-0847 | Country USA |


3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---------------------------------------|--------------------|-----------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name DAVIS FIELD AVIATION, LLC | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 1200 SABRE ST | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City MUSKOGEE | State OK | <input checked="" type="checkbox"/> Certificated Repair Station | D3FR571X |
| Zip 74403 | Country USA | <input type="checkbox"/> Certificated Maintenance Organization | LIMITED AIRFRAME |


D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

| | | | | |
|----|--------------------------------------------------|----------------|--------------------------|---------------------------------------------------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Maintenance Organization | Persons Approved by Canadian Department of Transport |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | Inspection Authorization | Other (Specify) |

| | |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate or Designation No. D3FR571X | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N7235E

03/11/2024

Nationality and Registration Mark

Date

BEECH

A36

E-2252

Removed Garmin GNS 430 and PMA 8000B from aircraft.

Verified this aircraft was on STC-AML # SA02019SE-D. Verified all equipment interfacing to the GTN 750Xi was listed on STC approved equipment list.

A. The following equipment and components were installed:

- Garmin GTN 750Xi with mounting tray conforming to TSO-C34e, C36e Class A, C40c, C74d, Class A, C112e, C128a, C146e Class 3, C151d Class A, B, C157b Class 1, 2, C165b, C169a Class C, E, 3, 4, 5, 6, C194, and C195b Class B1, B3, B5, B7.

B. Installed Garmin GTN 750Xi that is located in the instrument panel I/A/W Garmin Installation Manual, P/N: 190-01007-C3 Rev 9 and I/A/W FAA STC SA02019SE-D.

C. An electrical load analysis was performed and found that the continuous load of the alternator does not exceed 80% of capacity I/A/W 14 CFR 23.1309 (c, d), and 14 CFR 23.1351 (a).

D. An FAA approved flight manual supplement, document number 190-01007-C2 Rev 7 was installed in the pilots flight manual.

E. A complete operational test was performed according to instructions in the Installation Manual for the GTN 750Xi. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft as required by 14 CFR 23.1301.

F. The weight and balance data change was updated. Equipment List Revised.

Instructions for Continued Airworthiness (ICA)

- GTN 750Xi- Reference GTN 750Xi Instructions for Continued Airworthiness, P/N: 190-01007-C1 Rev 3.

-----NOTHING FOLLOWS-----

☐ Additional Sheets Are Attached



March 18, 2011

Subject: STC Permission to use STC SA02019SE-D for
Garmin Model GTN 6xx/7xx Navigation System
(See AML)

Consistent with Order 8110.4B and AC21-40, Garmin International grants permission to Garmin dealers, installers, and owners of the Garmin Model GTN 6xx/7xx Navigation System units to use STC SA02019SE-D and deliverable data associated with it, for the sole and express purpose of installation and approval of the installation of the Garmin Model GTN 6xx/7xx Navigation System, and associated interfaces to other previously approved equipment.

A handwritten signature in black ink, reading "Emmett Griffith".

Emmett Griffith, Engineering Manager
Garmin AT, Inc.



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA02019SE-D

This certificate issued to: Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations

Original Product – Type Certificate Number:
Multiple – AML STC

Make:
Model: See Approved Model List (AML) SA02019SE-D for approved aircraft models and applicable airworthiness standards.

Description of Type Design Change:

Installation of Garmin GTN 6XX/7XX and GTN Xi Series Navigation System in accordance with FAA approved Master Drawing List, 005-00533-C0, Revision 1, approved March 18, 2011 or later FAA approved revision. The Master Drawing List identifies the applicable FAA approved Airplane Flight Manual Supplements and System Maintenance Manuals (including Instructions for Continued Airworthiness).

Limitations and Conditions:

- (1) The installer must determine whether this design change is compatible with previously installed modifications.
- (2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
- (3) A copy of this certificate and associated AML, the approved AFMS, and the approved ICA must 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, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: March 26, 2009

Date Reissued:

Date of Issuance: March 18, 2011

Date Amended: December 19, 2012; November 25, 2014;
November 2, 2017; August 23, 2018;
January 3, 2020; July 23, 2021; January 25, 2023

By Direction of the Administrator

Signature

Title

JR Brownell
ODA STC Unit Administrator
ODA-240087-CE

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA02019SE-D

Issued: March 18, 2011

Amended: December 19, 2012; November 25, 2014; November 2, 2017; August 23, 2018; January 3, 2020; July 23, 2021; January 25, 2023

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48A, the certification basis for this change is as follows:

- The certification basis for parts not changed or not affected by this change is shown on the attached AML.
- The certification basis for parts changed or affected by this change is at amendment Original through 23-64.

| Section | Amdt. | Section | Amdt. | Section | Amdt. |
|---------------------|----------|-------------------------|-------|----------------------|----------|
| 23.301 (a) | 23-48 | 23.777 (a)(b) | 23-51 | 23.1367 (a)(b)(c)(d) | Original |
| 23.303 | Original | 23.853 (a)(d)(3)(v)(f) | 23-62 | 23.1381 (a)(b)(c) | Original |
| 23.305 (a)(b) | 23-45 | 23.1301 (a)(b)(c)(d) | 23-20 | 23.1431 (a)(b)(d)(e) | 23-49 |
| 23.307 (a) | Original | 23.1307 | 23-49 | 23.1501 (a)(b) | 23-21 |
| 23.337 (a)(b)(c) | 23-48 | 23.1309 (a)(b)(c)(1)(e) | 23-49 | 23.1523 (a)(b)(c) | 23-34 |
| 23.561 (a)(b)(3)(e) | 23-48 | 23.1311 (a)(1-4)(6)(7) | 23-49 | 23.1525 | 23-45 |
| 23.601 | Original | 23.1321 (a)(c)(e) | 23-49 | 23.1529 | 23-26 |
| 23.603 (a)(b) | 23-23 | 23.1322 (a)(b)(c)(d)(e) | 23-43 | 23.1541 (a)(2)(b) | 23-21 |
| 23.605(a) | 23-23 | 23.1329 (h) | 23-49 | 23.1555 (a)(b)(e)(2) | 23-50 |
| 23.607 (b) | 23-48 | 23.1331 (a)(b)(1) | 23-43 | 23.1559 (c) | 23-50 |
| 23.611 | 23-48 | 23.1351 (a) | 23-49 | 23.1581 (a)(b)(c)(f) | 23-50 |
| 23.613 (a)(b) | 23-45 | 23.1353 (h) | 23-49 | 23.1583 (h)(m) | 23-50 |
| 23.627 | Original | 23.1357 (a)(b)(d) | 23-43 | 23.1585 (j) | 23-50 |
| 23.771 (a) | 23-14 | 23.1359 (c) | 23-49 | 23.2010 (a)(b) | 23-64 |
| 23.773 (a)(2) | 23-45 | 23.1361 (b) | 23-49 | 23.2500 (b) | 23-64 |
| | | 23.1365 (a)(b)(d)(e) | 23-49 | 23.2505 | 23-64 |
| | | | | 23.2510 (a)(b)(c) | 23-64 |
| | | | | 23.2515 (a)(b) | 23-64 |
| | | | | 23.2520 (a)(b) | 23-64 |

—END—

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FAA Approved Model List (AML) STC SA02019SE-D

| Aircraft Make (TCDS Holder) [common name or previous make] | Aircraft Model | Type Certificate Number | TC Certification Basis * | Master Drawing List | | AML Amendment Date | Limitations / Notes |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|---------------------|-------------------------------------------|--------------------|---------------------|
| | | | | Document Number | Revision (or later FAA approved revision) | | |
| FFA (Flugzeugwerke Altenrhein AG) | AS 202/15 "BRAVO", AS 202/18A "BRAVO", AS 202/18A4 "BRAVO" | A34EU | FAR 23 | 005-00533-C0 | 10 | 12/13/2013 Amended | |
| Found Aircraft Canada, Inc. (Found Aircraft Canada, Inc.) | FBA-2C, FBA-2C1 (Bush Hawk), FBA-2C2 (Bush Hawk XP), FBA-2C3 (Expedition) | A7EA | CAR 3 FAR 23 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| Found Aircraft Canada, Inc. (Found Aircraft Canada, Inc.) | FBA-2C3T, FBA-2C4 (Bigfoot), FBA-2C4T | A7EA | FAR 23 | 005-00533-C0 | 5 | 12/19/2012 Amended | |
| Found Brothers (Found Brothers Aviation Limited) | FBA Centennial "100" | A13EA | FAR 23 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| FS2003 Corp. (FS 2003 Corp.) [New Piper Aircraft, Inc.] | PA-12, PA-12S | A-780 | CAR 3 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| GA8 Airvan (Pty) Ltd (GA 8 Airvan (PTY) Ltd) [Gippsland Aeronautics Pty. Ltd] | GA8 | A00011LA | FAR 23 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| GA8 Airvan (Pty) Ltd (GA 8 Airvan (PTY) Ltd) [Gippsland Aeronautics Pty. Ltd] | GA8-TC320 | A00011LA | FAR 23 | 005-00533-C0 | 5 | 12/19/2012 Amended | |
| Grob (Grob-Werke) | G120A | A49CE | FAR 23 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| Grob (Grob-Werke) [Burkhart Grob] | G115, G115A, G115B, G115C, G115D, G115D2, G115EG | A57EU | FAR 23 | 005-00533-C0 | 1 | 3/18/2011 Original | |
| Grueman (Grueman American Aviation Corporation) | Grueman G-21, Grueman G-21A | TC 654 | Aero 7A | 005-00533-C0 | 1 | 3/18/2011 Original | |
| Gulfstream American (Gulfstream American Corporation) [Grueman] | G-44, G-44A, SCAN Type 30 | A-734 | CAR 4a | 005-00533-C0 | 1 | 3/18/2011 Original | |
| Hawker Beechcraft (Hawker Beechcraft Corporation) [Raytheon] [Beech] | 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC | 3A15 | CAR 3 | 005-00533-C0 | 1 | 3/18/2011 Original | |



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|-------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 | |
| | Make BEECH | Model A36 | Series |
| 2. Owner | Name (As shown on registration certificate) FLYING DAWG AVIATION LLC | Address (As shown on registration certificate) Address PO BOX 847 | |
| | | City EUFAULA State OK | Zip 74432-0847 Country USA |


3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---------------------------------------|--|-----------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name DAVIS FIELD AVIATION, LLC | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 1200 SABRE ST | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City MUSKOGEE State OK | | <input checked="" type="checkbox"/> Certificated Repair Station | D3FR571X |
| Zip 74403 Country USA | | <input type="checkbox"/> Certificated Maintenance Organization | LIMITED AIRFRAME |


D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

| | | | | |
|----|--------------------------------------------------|----------------|--------------------------|------------------------------------------------------|
| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Persons Approved by Canadian Department of Transport |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | Inspection Authorization | Other (Specify) |

| | |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate or Designation No. D3FR571X | Signature/Date of Authorized Individual  Nathan L. Stephens 03/11/2024 |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N7235E

03/11/2024

Nationality and Registration Mark

Date

BEECH

A36

E-2252

Removed Bendix/King KFC 150 autopilot system from aircraft.

Verified this aircraft was on STC-AML #SA01866WI. Verified all equipment interfacing to the GFC 500 was listed on STC approved equipment list.

A. The following equipment and components were installed I/A/W GFC 500 installation manual P/N: 190-02291-00 Rev 24, GFC 500 installation manual addendum P/N: 190-02291-24 Rev 5 and FAA STC #SA01866WI.

1. 4 – Garmin GSA 28, P/N: 011-02927-21 conforming to FAA-PMA
2. Garmin GMC 507, P/N: 011-04548-01 conforming to FAA-PMA
3. Garmin GFC 500 Kit, K11-00024-35 Kit 35, GFC500 Install, 2 Servo conforming to FAA-PMA
4. Garmin GFC 500 Kit, K11-00024-32, Kit 36, GFC500 Install, Pitch Trim Servo conforming to FAA-PMA
5. Garmin GFC 500 Kit, K11-00024-30 Kit 30, GFC500 Install, Yaw Damp Servo conforming to FAA-PMA

B. All GSA 28 servos with the GFC 500 kits was installed in the aircraft I/A/W GFC 500 installation manual addendum P/N: 190-02291-24 Rev 5 and FAA STC #SA01866WI.

C. The GMC 507 was installed in the radio panel I/A/W GFC 500 installation manual addendum P/N: 190-02291-24 Rev 5 and FAA STC #SA01866WI.

D. The GFC 500 system was wired and interfaced to the Garmin GI 275 I/A/W GFC 500 installation manual P/N: 190-02291-00 Rev 24, GFC 500 installation manual addendum P/N: 190-02291-24 Rev 5 and FAA STC #SA01866WI.

E. An electrical load analysis was performed and found that the continuous load of the alternator does not exceed 80% of capacity I/A/W 14 CFR 23.1309 (c, d), and 14 CFR 23.1351 (a).

F. A complete operational test was performed according to instructions in the Installation Manual, P/N: 190-02291-00 Rev 24. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft as required by 14 CFR 23.1301.

G. The aircraft equipment list was revised to reflect these changes; weight and balance change was updated.

H. An FAA approved GFC 500 flight manual supplement, document number 190-02291-25 Rev 6 was installed in the pilots flight manual.

Instructions for Continued Airworthiness (ICA)

1. GFC 500- GFC 500 Instructions for Continued Airworthiness, P/N: 190-02291-01 Rev 11.

-----NOTHING FOLLOWS-----

☐ Additional Sheets Are Attached

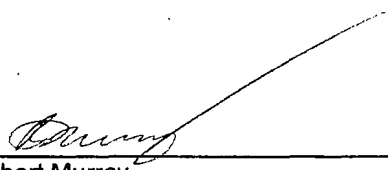


1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

December 21, 2017

SUBJECT: Authorization for STC Use
AML STC SA01866WI

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA01866WI data to modify aircraft.



Robert Murray
Director, Aircraft Certification
Garmin International, Inc.



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA01866WI

This certificate issued to: Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23* of the Federal Aviation Regulations

Original Product – Type Certificate Number:

Multiple – AML STC

Make:

Model: See FAA Approved Model List (AML) SA01866WI for approved aircraft models and applicable airworthiness regulations

Description of Type Design Change:

Installation of Garmin GFC 500 Autopilot with Electronic Stability and Protection

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-01264-00, Revision 1, dated December 21, 2017
- (2) Garmin GFC 500 Automatic Flight Control System Part 23 AML STC Maintenance Manual (includes instructions for Continued Airworthiness) 190-02291-01, Revision 1, dated December 21, 2017

Later FAA-approved revisions to the data listed above are incorporated without amendment to this certificate.

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
 - (2) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement (AFMS) identified on the Approved Model List.
 - (3) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) identified above.
- (continued on Page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: August 24, 2017

Date Reissued:

Date of Issuance: December 21, 2017

Date Amended: March 15, 2019; May 4, 2020; September 10, 2020; October 15, 2020; November 13, 2020; April 27, 2021; November 12, 2021; February 1, 2022; July 21, 2023; September 8, 2023

By Direction of the Administrator

Signature

Title

Erik Frisk
ODA STC Unit Administrator
ODA-240087-CE

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120)



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA01866WI

September 8, 2023

- (4) The installation of a Garmin G5 Electronic Flight Instrument per Garmin AML STC SA01818WI or a Garmin G3X Touch EFIS per Garmin AML STC SA01899WI or a Garmin GI 275 per Garmin AML STC SA2658SE must be accomplished prior to or concurrent with this STC installation.
- (5) If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.
- (6) All aircraft listed on the Approved Model List (AML) meet the requirements for airplane certification level 1 and 2, and airplane performance level: low speed.

***Certification Basis**

Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts not changed or not affected by this change remains unchanged from the original approval.
- b. The certification basis for parts changed or affected by this change is:

| Section | Amdt. | Section | Amdt. |
|---------------------------|-------|----------------------------------|-------|
| 23.143 | 23-50 | 23.863 (a)(b) | 23-34 |
| 23.301 (a) | 23-48 | 23.1301 (a)(b)(c)(d) | 23-20 |
| 23.303 | Orig. | 23.1309 (a)(1)(2)(3)(b)(c)(d)(e) | 23-49 |
| 23.305 (a)(b) | 23-45 | 23.1321 (e) | 23-49 |
| 23.307 (a) | Orig. | 23.1322 | 23-43 |
| 23.337 | 23-48 | 23.1329 | 23-49 |
| 23.395 (a)(1) | 23-7 | 23.1331 (b)(1) | 23-43 |
| 23.397 (a)(b) | 23-45 | 23.1335 | 23-20 |
| 23.405 | Orig. | 23.1351 (a)(1)(2)(i) | 23-49 |
| 23.561 (a)(b)(3)(e) | 23-48 | 23.1353 (h) | 23-49 |
| 23.601 | Orig. | 23.1357 (a)(b)(c)(d) | 23-43 |
| 23.603 | 23-23 | 23.1359 | 23-49 |
| 23.605 (a) | 23-23 | 23.1365 (a)(b)(d)(e) | 23-49 |
| 23.607 (a)(b)(c) | 23-48 | 23.1381 (a) | Orig. |
| 23.609 | Orig. | 23.1431 (a)(b) | 23-49 |
| 23.611 | 23-48 | 23.1501 (a)(b) | 23-21 |
| 23.613 (a)(b) | 23-45 | 23.1523 (a)(b)(c) | 23-34 |
| 23.627 | Orig. | 23.1525 | 23-45 |
| 23.671 (a)(b) | Orig. | 23.1529 | 23-26 |
| 23.675 | 23-17 | 23.1555 (a)(b) | 23-50 |
| 23.677 (a)(d) | 23-49 | 23.1581 (a)(b)(d)(f) | 23-50 |
| 23.681 (a) | Orig. | 23.1583 (h) | 23-50 |
| 23.683 | 23-7 | 23.1585 (a) | 23-50 |
| 23.685 (a)(c)(d) | 23-17 | 23.2000 | 23-64 |
| 23.689 (a)(2)(3)(b)(c)(e) | 23-7 | 23.2005 | 23-64 |
| 23.771 (a) | 23-14 | 23.2010 (a)(b) | 23-64 |
| 23.773 (a)(2) | 23-45 | 23.2335 | 23-64 |
| 23.777 (a)(b) | 23-51 | 23.2515 (a)(b)* | 23-64 |
| 23.779 (a) | 23-51 | 23.2520 (a)(b)* | 23-64 |
| 23.853 (a) | 23-49 | | |

*23.2515(b) and 2520(b) are applicable to the GI 275 interface only.

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120)

FAA Approved Model List (AML) STC SA01866WI

| Aircraft Make (TCDS Holder) [common name or previous make] | Aircraft Model | Type Certificate Number | TC Certification Basis* | MDL 005-01264-00 Rev.** | AML Amended Date | AFMS Part Number | AFMS Rev. ** |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|---------------------|-----------------|
| Textron Aviation (Textron Aviation Inc.) [Beechcraft] | R182, TR182 | | | 19 | 7/03/19 | 190-02291-32 | 1 |
| | S35, V35, V35A, V35B | 3A15 | CAR 3 | 3 | 3/13/18 | 190-02291-09 | 1 |
| | 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33/G33 (S/N CD-1244 thru CD-1304), F33A (S/N CE-290 thru CE-315), F33C (S/N CJ-52 thru CJ-179) | | | 7 | 8/9/18 | 190-02291-16 | 1 |
| | F33A (S/N CE-316 thru CE-1791) | | | 10 | 11/05/18 | 190-02291-16 | 1 |
| | 36, A36, A36TC (S/N EA-1 thru EA- 272, except EA-242) | | | 13 | 3/8/19 | 190-02291-25 | 1 |
| | B36TC | | | 28 | 3/27/20 | 190-02291-25 | 3 |
| | N35, P35 | | | 34 | 6/26/20 | 190-02291-59 | 1 |
| | H35, J35, K35, M35 | | | 58 | 6/17/21 | 190-02291-77 | 1 |
| | R172K | 3A17 | CAR 3 | 17 | 5/30/19 | 190-02291-02 | 6 |
| | 172RG | | FAR 23 | 43 | 11/16/20 | 190-02291-68 | 1 |
| Textron Aviation Inc. (Textron Aviation Inc.) [Cessna] | P172D | | CAR 3 | 73 | 5/4/22 | 190-02291-96 | 1 |
| | 175A (S/N 56239 thru 56777) | | CAR 3 | 80 | 3/1/23 | 190-02291- 0C | 1 |
| | 175B (S/N 17556778 thru 17557002) | | | | | | |
| | 175C (S/N 17557003 thru 17557119) | | | | | | |
| | 210D, 210E, 210F, T210F | 3A21 | CAR 3 | 57 | 6/16/21 | 190-02291-81 | 1 |
| Textron Aviation Inc. (Textron Aviation Inc.) [Cessna] | 210G, T210G, 210H, T210H, 210J, T210J | | FAR 23 | 36 | 6/30/20 | 190-02291-57 | 1 |
| | 210K, T210K, 210L, T210L, 210M, T210M, 210N, T210N | | | 9 | 10/16/18 | 190-02291-14 | 1 |
| | 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F | 3A24 | CAR 3 | 12 | 3/7/19 | 190-02291-23 | 1 |
| Textron Aviation Inc. (Textron Aviation Inc.) [Cessna] | 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180I, 180K | 5A6 | FAR 23 | | | | |
| | A45 (T-34A, B-45), D45 (T-34B) | 5A3 | CAR 3 | 82 | 7/21/23 | 190-02291-0F | 1 |



U.S. Department of
Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|-------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 | |
| | Make Beech | Model A36 | Series |
| 2. Owner | Name (As shown on registration certificate) MARR, LANCE T. | Address (As shown on registration certificate) Address 3109 NE 19th Ave. | |
| | | City Portland | State OR Zip 97212 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---------------------------------------|--|----------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Greg Lehman | | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 1250 NW Perimeter Way | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City Troutdale State OR | | <input type="checkbox"/> Certificated Repair Station | 2491728 |
| Zip 97060 Country USA | | <input type="checkbox"/> Certificated Maintenance Organization | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 8/17/2023 |
|------------------------------------------------------------------------------|-------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|----|------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------|
| BY | <input type="checkbox"/> FAA Fit Standards Inspector | <input type="checkbox"/> Manufacturer | <input type="checkbox"/> Maintenance Organization | <input type="checkbox"/> Person Approved by Canadian Department of Transport |
| | <input type="checkbox"/> FAA Designee | <input type="checkbox"/> Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|--------------------------------------------------|------------------------------------------------------------------------|
| Certificate or Designation No. 2491728 | Signature/Date of Authorized Individual 08/17/2023 G. Lehman |
|--------------------------------------------------|------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N7235E

08/17/2023

Nationality and Registration Mark

Date

Removed Bendix/King KMA24 audio selector, Bendix/King KY196 & Bendix/King KX155. Installed PS Engineering PMA450C audio selector/6-place intercom, part number 050-450-0901 in place of the KMA24. Installed per AC43.13-2, Chapter 2, paragraph 23. Installed per PS

Engineering Installation Operators Manual p/n 200-450-0800, dated July 2022. Interfaced the new audio panel to the existing aircraft radios IAW the above noted installation manual and in compliance with practices listed in AC43.13-2, Chapter 2. All wires are Mil-Spec 22759 or 27500. Power is supplied to the unit through a replaced 5A circuit breaker.

Installed Trig Avionics TY96A COM radio in place of the removed KY196, p/n 01788-00-01, IAW Trig Installation Manual 01238-00-AM dated 3 May 2021 and Peregrin STC# SA01835WI. The new radio was installed using the existing wire & circuit breaker.

Installed Trig Avionics TX56A NAV/COM radio in place of the removed KX155, p/n 01955-00-01, IAW Trig Installation Manual 01776-00-01-AD dated 5 April 2022. The new radio was installed using the existing wire & circuit breaker. Negligible change in electrical load and weight and balance. This alteration was performed IAW AC43.13-1B, Chapter 11, Section 4 Paragraph 11-47, Section 5 Paragraph 11-66, Section 9 Paragraph 11-115 thru 11-118 and 11-120, Section 10 Paragraph 11-135 thru 11-139, Section 11, Paragraph 11-146, Section 12 Paragraph 11-55 thru 11-159 and AC43.13-2B Chapter 2 Sections 200 thru 203C and Section 207 A thru F. The VHF Com radios are compliant with TSO C169a, VHF Radio Communications Transceiver Equipment Operating Within Radio Frequency Range 117.975 To 137.000 Megahertz and TSO C128a, Equipment That Prevents Blocked Channels Used In Two-Way Radio Communications Due To Unintentional Transmissions. The TX56A and TX57A are also certified to ETSO-2C169a, 2C128, 2C34f, 2C36f and 2C40c.

A copy of the operation instructions (PS Engineering document 202-450-800, Trig documents 01239-00-AC & 01775-00-AC) we're provided to the aircraft owner.

This aircraft has been inspected in accordance with current CFRs and found to be airworthy with respect to the work performed.

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
ONB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|-------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 | |
| | Make BEECH | Model A36 | Series |
| 2. Owner | Name (As shown on registration certificate) Lance Marr | Address (As shown on registration certificate) 2534 NE 13TH AVE PORTLAND, OREGON 97212-4146 | |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|---------|------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| | XXX | AIRFRAME | ----- | (As described in item 1 above) | ----- |
| | | POWERPLANT | | | |
| | | PROPELLER | | | |
| | | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------|
| A. Agency's Name and Address Pacific Coast Avionics Corporation 22783 Airport Road NE Aurora Oregon, 97002 | B. Kind of Agency | Manufacturer |
| | <input type="checkbox"/> U.S. Certificated Mechanic | C. Certificate No. |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certified Repair Station | OPXR455L |
| <input type="checkbox"/> Certificated Maintenance Organization | | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.


| | |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended range fuel Per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual Benjamin Anderson  12/2/21 December 2, 2021 |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the

Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|----|------------------------------|----------------------------------------------------|--------------------------|---------------------------------------------------------|
| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Transport Canada Airworthiness Group |
| | FAA Designee | <input checked="" type="checkbox"/> Repair Station | Inspection Authorization | Other (Specify) |

| | |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate or Designation No. OPXR455L | Signature/Date of Authorized Individual Benjamin Anderson  12/2/21 December 2, 2021 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify aircraft nationality and registration mark and date work completed.)

N7235E

December 2, 2021

Nationality and Registration Mark

Date

Description of Type Design Change:

Installation of Garmin dual GI 275 Electronic Flight Instrument system in accordance with FAA approved Garmin STC SA02658SE and Master Documents List 005-01208-41 Rev 14, dated Oct 202, or later FAA approved revision.

Installation of Whelen 650E Green NAV Strobe Light and Red NAV Strobe Light in accordance with FAA approved Whelen STC SA800EA, or later FAA approved revision.

The FAA approved Garmin GI 275 Airplane Flight Manual Supplement 190-02246-12 Rev 7, dated Oct 2021; is required for in flight operation of the systems when installed and have been placed in the Aircraft.

Alteration Notes:

Removed Bendix/King KI 256 Flight Command Indicator s/n 16049, Bendix/King KI 525A HSI s/n 24231, Bendix/King KG 102A Remote Gyro s/n 10772, Bendix/King KA 51B Slaving Accessory s/n 4210, RAPCO Vacuum Pump s/n B40628, Tempest Air Filter, secondary Tempest Air Filter, Vacuum Regulator, American instrument Vacuum Gauge s/n 6591, Avionics International Remote Switch Unit s/n 375, and all associated installation kits, trays and wiring to facilitate other maintenance.

The Garmin dual GI 275 Electronic Flight Instrument system has been installed which consists of GI 275 ADI installed in place of removed KI 256 Flight Command Indicator in the instrument panel at F.S. 56, GI 275 HSI installed in place of removed KI 252A HSI in the instrument panel at F.S. 56, GTP 59 OAT Probe installed on inspection panel in left empennage at F.S. 263, BNC Glareshield GPS Antenna installed at F.S. 50, and GMU 11 Magnetometer installed in the left wing tip at F.S. 112. The GI 275 ADI, GTP 59 OAT Probe, and GMU 11 Magnetometer receive power from the Main buss using a newly installed 5 amp Klaxon 7274-2-X series circuit breaker labeled "ADI". The GI 275 HSI receives power from the Avionics buss using a newly installed 5 amp Klaxon 7274-2-X series circuit breaker labeled "HSI". The GI 275 system was installed, inspected, configured and tested IAW the FAA approved Garmin GI 275 document 190-02246-10 Rev 11, dated Oct 2021 approved under STC SA02658SE.

The Whelen 650E Green NAV Strobe Light has been installed on the right wingtip at F.S. 58 as a direct replacement for OEM NAV Strobe Light and uses existing circuit breaker values and labeling. The 650E was installed, inspected, configured and tested IAW the FAA approved Whelen 650E document Form No. 1474B approved under STC SA800EA.

The Whelen 650E Red NAV Strobe Light has been installed on the left wingtip at F.S. 58 as a direct replacement for OEM NAV Strobe Light and uses existing circuit breaker values and labeling. The 650E was installed, inspected, configured and tested IAW the FAA approved Whelen 650E document Form No. 1474B approved under STC SA800EA.

The aircraft weight and balance, equipment list, and flight manual have been amended to reflect changes made to the aircraft. An electrical load analysis required by 14 CFR 23.1351(a)(2) was performed in accordance with AC 43.13-2B, Chapter 2, paragraph 208(b) and ASTM F2490-05 and the continuous load of the alternator system was found not to exceed 80% of its capacity.

Instructions for Continued Airworthiness:

The FAA approved Garmin GI 275 Instructions for Continued Airworthiness 190-02246-11 Rev 4, dated July 2021, and The FAA approved Whelen 650E Instructions for Continued Airworthiness Form No. 1474B have been included with the aircraft maintenance records.

-----End-----

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
ONB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | |
|-------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1. Aircraft | Nationality and Registration Mark N7235E | Serial No. E-2252 |
| | Make BEECH | Model A36 |
| 2. Owner | Name (As shown on registration certificate) MARR LANCE T | Address (As shown on registration certificate) 2534 NE 13TH AVE PORTLAND, OREGON 97212-4146 |


3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|---------|------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| | XXX | AIRFRAME | ----- | (As described in item 1 above) | ----- |
| | | POWERPLANT | | | |
| | | PROPELLER | | | |
| | | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address Pacific Coast Avionics Corporation 22783 Airport Road NE Aurora Oregon, 97002 | B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization | C. Certificate No. OPXR455L |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.


| | |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended range fuel Per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual Jason Wallace  February 12, 2020 |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the

Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|----|------------------------------|----------------------------------------------------|--------------------------|---------------------------------------------------------|
| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Transport Canada Airworthiness Group |
| | FAA Designee | <input checked="" type="checkbox"/> Repair Station | Inspection Authorization | Other (Specify) |

| | |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate or Designation No. OPXR455L | Signature/Date of Authorized Individual Jason Wallace  February 12, 2020 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify aircraft nationality and registration mark and date work completed.)

N7235E

February 12, 2020

Nationality and Registration Mark

Date

Description of Type Design Change:

Installation of the Garmin GA 35 WAAS GPS Antenna in accordance with FAA approved Garmin STC SA02018SE-D and Master Documents List 005-00638-01 Rev 4, dated Feb 2012, or later FAA approved revision.

Installation of the Garmin GNX 375 Navigation System and ADS-B In/Out Transponder in accordance with FAA approved Garmin STC SA02636SE and Master Documents List 005-01206-A1 Rev 7, dated Oct 2019, or later FAA approved revision.

The Garmin GNX 375 Airplane Flight Manual Supplement 190-02207-A3 Rev 2, dated May 2019 is required for in flight operation of this unit and has been placed in the Aircraft.

Alteration Notes:

Removed Bendix/King KI 227 ADF Indicator s/n 18435, Bendix/King KR 87 ADF Control Head s/n 22914, Bendix/King KT 76A Transponder s/n 14480, Bendix/King KLN 90B GPS s/n 81009, Bendix/King KA 91 GPS Antenna s/n 1496, Honeywell International KA 60 DME Transponder Antenna, and all associated installation kits, trays and wiring to facilitate other maintenance.

The Garmin GA 35 WAAS GPS Antenna has been installed at F.S. 91. The GA 35 was installed and tested IAW the FAA approved Garmin GA 35 document 190-01284-00 Rev D, dated Feb 2012 approved under STC SA02018SE-D.

The Garmin GNX 375 Navigation System and ADS-B In/Out Transponder has been installed in the instrument panel at F.S. 42. It receives power from the Avionics buss using a newly installed 5 amp Klaxon 7274-2-X series circuit breaker labeled TRANSPONDER. The GNX 375 was installed, inspected, configured and tested IAW the FAA approved Garmin GNX 375 document 190-02207-A4 Rev 6, dated Oct 2019 approved under STC SA02636SE. The installed Garmin GNX 375 with internal GPS Position Source was shown to meet the equipment performance specifications of 14 CFR 91.227.

The aircraft weight and balance, equipment list, and flight manual have been amended to reflect changes made to the aircraft. An electrical load analysis required by 14 CFR 23.1351(a)(2) was performed in accordance with AC 43.13-2B, Chapter 2, paragraph 208(b) and ASTM F2490-05 and the continuous load of the alternator system was found not to exceed 80% of its capacity.

Instructions for Continued Airworthiness:

The FAA approved Garmin GA 35 Instructions for Continued Airworthiness 005-00638-09 Rev 3, dated Feb 2012 and Garmin GNX 375 Instructions for Continued Airworthiness 190-02207-A2 Rev 2, dated Jun 2019 have been included with the aircraft maintenance records.

-----End-----

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

Wlog *dy*

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECH | Model A36 |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) KURT J PETRIE LLC | Address (As shown on registration certificate) 1314-B CENTER DR # 720 MEDFORD, OR, 97501-7941 |

3. For FAA Use Only

| 4. Unit Identification | | | | 5. Type | |
|------------------------|--------------------------------|-------|------------|---------|------------|
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | (As described in Item 1 above) | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|----------------------------------------------------------------|-----------------------------------------------------------------|--------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| CRUISEAIR AVIATION INC 2428 MONTECITO RD RAMOMA CA 92065 | <input type="checkbox"/> U.S. Certificated Mechanic | LF3R655L |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | <input type="checkbox"/> Manufacturer | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|-----------------|----------------------------------------------------------|
| Date 2-10-04 | Signature of Authorized Individual <i>[Signature]</i> |
|-----------------|----------------------------------------------------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|------------------------------------------|------------------------------|--------------------------------------------|----------------------------------------------------------|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 2-10-04 | | Certificate or Designation No. LF3R655L | Signature of Authorized Individual <i>[Signature]</i> | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

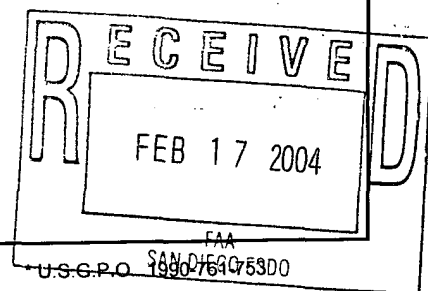
8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. Installed L. P. Aero Plastics, Inc. windshield in accordance with STC SA992NE and L. P. Aero Plastics, Inc. single piece extra thick windshield installation drawing list No. 269/CON, Revision 4 dated 4-28-01.
2. Installed B&C Specialty Products BC410-1 Standby Alternator in accordance with STC SA00724WI and B&C Specialty Products, Inc. Master Drawing No. 410LST1.DOC, Rev G, dated 1-27-00 and Document No. FMS410-2, FAA Approved Airplane Flight Manual Supplement, dated 6-26-00.
3. Installed Atlantic Aero stainless steel exhaust system p/n 19593002 in accordance with STC SA02314AT-D and Atlantic Aero, Inc. master drawing list 19593001. Rev B. dated 1-10-02.
4. Weight and Balance updated.

////////////////////////////////////END////////////////////////////////////

☐ Additional Sheets Are Attached





US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

WFOY DJ

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECH | Model A36 |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) KURT J PETRIE LLC | Address (As shown on registration certificate) 1314-B CENTER DR # 720 MEDFORD OR 97501-7941 |

3. For FAA Use Only

| 4. Unit Identification | | | | 5. Type | |
|------------------------|--------------------------------|-------|------------|---------|------------|
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | (As described in Item 1 above) | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | | |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------|--------------------------------|
| A. Agency's Name and Address CRUISEAIR AVIATION INC 2428 MONTECITO RD RAMONA CA 92065 | B. Kind of Agency | | C. Certificate No. LF3R655L |
| | <input type="checkbox"/> U.S. Certified Mechanic | | |
| | <input type="checkbox"/> Foreign Certified Mechanic | | |
| | <input checked="" type="checkbox"/> Certified Repair Station | | |
| | | Manufacturer | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|-----------------|----------------------------------------|
| Date 2-23-01 | Signature of Authorized Individual |
|-----------------|----------------------------------------|

7. Approval for Return To Service

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------|----------------|---------------------------------------------------------|-----------------|
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA Fit. Standards Inspector | | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X | Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 2-23-01 | | Certificate or Designation No. LF3R655L | | Signature of Authorized Individual | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

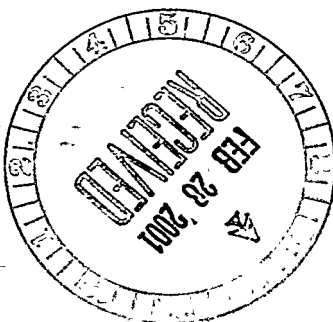
8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. Install Eagle main fuel quick drains in accordance with STC SA01110CH and installation instructions called out in Eagle Technologies Company Drawing list No. 70DLB, dated 10-16-99.

2. Weight and balance negligible.

-----END-----



☐ Additional Sheets Are Attached

FAA



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

SW-17

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECHCRAFT | Model A-36 |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) JOHN P. SHOFFNER | Address (As shown on registration certificate) 119 SHELL DRIVE EMERALD ISLE, NC. 28594 |

3. For FAA Use Only

4. Unit Identification

| Unit | Make | Model | Serial No. | 5. Type | Repair | Alteration |
|------------|--------------------------------|-------|------------|---------|--------|------------|
| AIRFRAME | (As described in Item 1 above) | | | | | X |
| POWERPLANT | | | | | | |
| PROPELLER | | | | | | |
| APPLIANCE | Type | | | | | |
| | Manufacturer | | | | | |

6. Conformity Statement

| | | |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Agency's Name and Address DIALCO, INC. RT 2, R45 MERCEDDES, TX 78570 | B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input checked="" type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer | C. Certificate No. D7LR466N LIMITED AIRFRAME |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------|-----------------------------------------------------------------------------------------|
| Date 12/23/96 | Signature of Authorized Individual <i>David Biggerstaff</i> DI-07, DAVID BIGGERSTAFF |
|------------------|-----------------------------------------------------------------------------------------|

7. Approval for Return To Service

| | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------|-----------------|
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | |
| BY | FAA Flt. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 12/23/96 | | Certificate or Designation No. D7LR466N | Signature of Authorized Individual <i>David Biggerstaff</i> DI-07, DAVID BIGGERSTAFF | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

THIS IS THE BACK SIDE OF FAA FORM 337 DATED 12/23/96 FOR BEECHCRAFT MODEL A-36 S/N E-2252 N#7235E HOBBS TIME; 1936.9 CONSISTS OF THE FOLLOWING INSTALLATION AS FOLLOWS:

- 1.)INSTALLATION OF BERYL D' SHANNON AVIATION SPECIALTIES,INC. FIBERGLASS TIP TANKS (15 GALLON RB4-100,REFERENCE S.T.C. SA283EA AND SA134EA) AND FUEL TRANFER SYSTEMS IN ACCORDANCE WITH BERYL D,SHANNON AVIATION SPECIALTIES S.T.C.SA153EA KIT KB1401 S/NB043089-353&244 ,REV.E DATED 05/19/77 OR LATER F.A.A. APPROVED REVISION.
 - 2.)INSTALLED AILERON AND WING FLAP GAP SEALS IN ACCORDANCE WITH D' SHANNON PRODUCTS S.T.C. SA117SO DRAWING B6300, REVISION A, DATED 10/8/80 OR LATER APPROVED REVISION. KIT S/N GAP102196-004
 - 3.)INSTALLED VORTEX GENERATORS ON WING UPPER SURFACE AND VERTICAL STABILIZER IN ACCORDANCE WITH J.V.E.,INC. S.T.C. SA09074SC MASTER DRAWING LIST JVE-500, REVISION 2, DATED 08/21/95, AND INSTALLATION MAUAL JVE-0494, DATED 01/24/94 OR LATER F.A.A. APPROVED REVISIONS. KIT S/N VGS060396-008
- ALL PERTAINANT INFORMATION WAS INSERTED INTO A.F.M./P.O.H. AND NEW WEIGHT AND BALANCE WAS COMPUTED.

*****END*****

| MGR | AO | ASPLI | TAM | SEC | PASS | AMGR |
|-----|------|-------|-----|-----------|------|------|
| OPS | | | | AW AS4 | | AW5 |
| OP1 | OP6 | | | | | AW1 |
| OP2 | OP | | | | | AW2 |
| OP3 | OP | | | | | AW3 |
| OP4 | OP9 | | | | | AW4 |
| OP5 | OP10 | | | | | AW5 |

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

RECEIVED
DEC 12 1996
FSDO-03

Form Approved
OMB No. 2120-0020

For FAA Use Only *672*

Office Identification

SO-FSDO-03

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECH | Model A-36 |
| | Serial No. E 2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) John P Shoffner | Address (As shown on registration certificate) 119 Shell Dr. Emerald Isle NC 28594 |

3. For FAA Use Only

| 4. Unit Identification | | | | 5. Type | |
|------------------------|--------------------------------------------|-------|------------|---------|------------|
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | ~~~~~ (As described in Item 1 above) ~~~~~ | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Stevens Aviation Inc. PO Box 9359 Knoxville, TN 37940-0359 | <input type="checkbox"/> U.S. Certified Mechanic | VIB2368K |
| | <input type="checkbox"/> Foreign Certified Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | <input type="checkbox"/> Manufacturer | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------|---------------------------------------------------------------|
| Date 12-4-96 | Signature of Authorized Individual <i>William L Marcus</i> |
|------------------------|---------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|-------------------------------------------------|------------------------------|----------------------------------------------------|---------------------------------------------------------------|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | <input checked="" type="checkbox"/> Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 12-4-96 | | Certificate or Designation No. VIB2368K | Signature of Authorized Individual <i>William L Marcus</i> | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

20-0023-02

B. Description of Work Accomplished

(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

BEECH A-36 N7235E S/N E- 2252

Installed J P Instruments EGT-701 Temperature Indicator (s/n 7051)

Unit installed in accordance with manufacturer's Installation Manual #103 Revision A.and STC# SA2586NM Revision 6, dated November 09, 1995.

All connectors, Probes, hardware, and wire harness furnished with instalation kit.

Installed FAA Approved Flight Manual Supplement for J P Instruments EGT-701 and EDM-700 Pilots Guide.

Installation accomplished in accordance with A.C. 43-13-1A, Chapter 11, Sections 1, 2, 3, 4, and 7; Chapter 13, Paragraphs 659 and 662; Chapter 15, Sections 1 and 2; Chapter 16, Paragraphs 880, 882, and 894, and A.C. 43-13-2A, Chapter 11, Paragraphs 212 and 213.

Equipment list revised, weight and balance computed, Log Book entry made and compass checked. Ground and flight operational test of all systems made and noted.

****END****

New Empty Wiegth 2457.71

New CG 80.39

New Useful Load 1192.29

☐ Additional Sheets Are Attached

FAA-

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------|-----------------|
| <div style="text-align: center;"> MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) </div> | | | | Form Approved OMB No. 2120-0020 | |
| | | | | For FAA Use Only | |
| | | | | Office Identification SO-FSDO-43 MCL | |
| INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958). | | | | | |
| 1. Aircraft | Make BEECH | Model A-36 | | | |
| | Serial No. E-2252 | Nationality and Registration Mark. N7235E | | | |
| 2. Owner | Name (As shown on registration certificate) JOHN P. SHOFFNER | Address (As shown on registration certificate) 119 SHELL DR. EMERALD ISLE NC 28594 | | | |
| 3. For FAA Use Only | | | | | |
| The data identified herein complies with applicable airworthiness requirements and is approved for the described aircraft subject to a conformity inspection by a person authorized in FAR 43, Section 43.7 <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Signature </div> <div style="width: 40%; text-align: right;"> 11-26-96 Date </div> </div> | | | | | |
| 4. Unit Identification | | | | | 5. Type |
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | ~~~~~ (As described in Item 1 above) ~~~~~ | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |
| 6. Conformity Statement | | | | | |
| A. Agency's Name and Address | | B. Kind of Agency | | C. Certificate No. | |
| Stevens Aviation Inc. PO Box 9359 Knoxville, TN 37940-0359 | | U.S. Certified Mechanic | | VIB2368K | |
| | | Foreign Certified Mechanic | | | |
| | | X Certified Repair Station | | | |
| | | Manufacturer | | | |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. | | | | | |
| Date 12-3-96 | | Signature of Authorized Individual | | | |
| 7. Approval for Return to Service | | | | | |
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | | Other (Specify) |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | | |
| Date of Approval or Rejection 12-4-96 | | Certificate or Designation No. VIB2368K | Signature of Authorized Individual | | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work accomplished.)

BEECH A-36 N7235E S/N E-2252

Removed Bendix/King KLN 90 GPS P/N 066-04031-0010 and installed Bendix/King KLN 90B GPS P/N 066-04031-2121 S/N 81009 in same location (fifth unit down in center avionics panel, station 53.0). Installed EATON Series 582 Switch/Annunciators required for IFR En Route, Terminal Area, and Non-Precision Approach in pilots Instrument panel above Altimeter. Installed CDI switching unit model # AIS 200-35 on the forward avionics shelf at station 50.0.

AIS 200-35 installed in accordance with Avionics International Supply CDI Switching Unit model # 200-35 Installation Manual Revision 1.00 dated 12/29/94. Installed CDI Switching Unit Model # 200-35 Aircraft Flight Manual Supplement, Revision 1, dated 12/29/94.

Bendix/King KLN 90B GPS P/N 066-4031-2121 and Eaton Series 582 Switch/Annunciators installed in accordance with AlliedSignal Bendix/King Installation Manual P/N 066-10521-0002 Revision 2, February 1995.

System can be coupled to Bendix/King KFC 150 Automatic Flight Control System via the NAV/GPS Switch/Annunciator.

Bendix/King KLN 90B GPS previously approved under STC# SA00241WI-D, dated 2/1/95, issued to AlliedSignal Avionics.

Bendix/King KLN 90B GPS is approved for VFR and IFR En Route, Terminal Area, and Non-Precision Approach Navigation and was installed and tested in accordance with A.C. 20-138, Paragraphs 6.a.; 8.c.(2)(i); 8.c.(2)(iii); 8.c.(2)(iv); and the guidelines of A.C. 20-138 Appendix 1.

Installation accomplished per A.C. 43-13-1A, Chapter 5, Paragraphs 228, 230, and 231; Chapter 11, Sections 1, 2, 3, 4, and 7; Chapter 13, Paragraphs 659 and 662; Chapter 15, Sections 1, 2, 3, 4, 5, and Section 6, Paragraph 842; and A.C. 43-13-2A, Chapter 2, Paragraphs 21, 22, 23, and 27.

All connectors furnished by the equipment manufacturers in accordance with installation drawings and respective TSO's.

Equipment list revised, weight and balance computed, Log Book entries made, and compass checked. Ground and flight operational test of all systems made and noted.

Work accomplished under WO# 20033. All pertinent details on file with this agency.

END

New Empty Weight 2457.71
New CG 80.39
New Useful Load 1192.29

RECEIVED

DEC 12 1996

FAA
SO-FSDO-03

☐ Additional Sheets Are Attached



MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

RECEIVED
NOV 07 1996
SO-FAA
FSDO-03

Form Approved
OMB No. 2120-0020 *YES*
For FAA Use Only
Office Identification
SO-FSDO-03

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECH | Model A-36 |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) John P. Shoffner | Address (As shown on registration certificate) 119 Shell Dr. Emerald Isle, NC 28594 |

3. For FAA Use Only

4. Unit Identification

| Unit | Make | Model | Serial No. | 5. Type | |
|------------|--------------------------------------------|-------|------------|---------|------------|
| | | | | Repair | Alteration |
| AIRFRAME | ~~~~~ (As described in Item 1 above) ~~~~~ | | | | |
| POWERPLANT | | | | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address STEVENS AVIATION INC PO BOX 9359 KNOXVILLE, TN 37940-0359 | | B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer | C. Certificate No. VIB2368K |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. | | | |

| | |
|---------------------------------|------------------------------------------------------------------------------|
| Date November 4, 1996 | Signature of Authorized Individual <i>Tom E. Atchley</i> / Tom E. Atchley |
|---------------------------------|------------------------------------------------------------------------------|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|----------------------------------------------------------|------------------------------|---------------------------------------------------|------------------------------------------------------------------------------|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection November 4, 1996 | | Certificate or Designation No. VIB2368K | Signature of Authorized Individual <i>Tom E. Atchley</i> / Tom E. Atchley | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

B. Description of Work Accomplished

(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

Beech

A-36

N7235E

s/n E-2252

Removed six (6) TCM fuel nozzles P/N 627335D 13-B and installed General Aviation Modification, Inc. GAMjectors Kit No. GAD 13B S/N 1184 STC No. 09217SC PMA No. PQ 821SW per GAMjectors Installation Procedure No. IP-96-001 (Rev 004) dated September 25 , 1996. No change in weight and balance

END

PTRS ID: S0039701845

☐ Additional Sheets Are Attached

RECEIVED

NOV 01 1995



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

FAA
SO-FSDO-03

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

SO-FSDO-03 Red

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 1. Aircraft | Make Beechcraft | Model A36 Bonanza |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) John P. Shoffner | Address (As shown on registration certificate) 119 Shell Drive Emerald Isle, NC 28594 |

3. For FAA Use Only

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

4. Unit Identification

5. Type

| Unit | Make | Model | Serial No. | Repair | Alteration |
|------------|--------------------------------------------|-------|------------|--------|------------|
| AIRFRAME | ~~~~~ (As described in Item 1 above) ~~~~~ | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------|
| A. Agency's Name and Address Stevens Aviation, Inc. P. O. Box 2664 Knoxville, TN 37901 | B. Kind of Agency | C. Certificate No. VIB2368K |
| | <input type="checkbox"/> U.S. Certificated Mechanic | |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | Manufacturer | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|--------------------------|-----------------------------------------------------------------------|
| Date October 30, 1995 | Signature of Authorized Individual <i>Tim Johnson</i> /Tim Johnson |
|--------------------------|-----------------------------------------------------------------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|----|------------------------------|----------------------------------------------------|---------------------------------------------------------|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | <input checked="" type="checkbox"/> Repair Station | Person Approved by Transport Canada Airworthiness Group | |

| | | |
|------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|
| Date of Approval or Rejection Oct. 30, 1995 | Certificate or Designation No. VIB2368K | Signature of Authorized Individual <i>Tom Duncan</i> /Tom Duncan |
|------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Beechcraft

A36

N7235E

S/N E-2252

Installed Spacecraft Machine Products S.T.C. #SA4899NM Upper Hinge Bracket SMP-100 and STC #SA5870NM Middle Hinge Bracket SMP-101 in accordance with SMP Master Drawing List, SMP-100, Rev. A, dated July 17, 1990 and SMP-11 dated December 1, 1992. Both Rudder Hinge Brackets installed in accordance with STC Instructions with reference to A.C. 43.13-1A, Chapter 5, Section 1 (Hardware) and Chapter 13, Paragraph 659. Weight and balance computed and installed in logbook and flight manual.

- END -

☐ Additional Sheets Are Attached

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

Number SA4899NM

This certificate, issued to Spacecraft Machine Products

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 3* of the Civil Air Regulations. * See Aircraft Specification No. 3A15 for complete Certification Basis

Original Product — Type Certificate Number: 3A15

Make: Beech Aircraft Corporation

Model: 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, G33, F33A, F33C, 36, A36, A36TC, B36TC Airplanes

Description of Type Design Change:

Installation of Upper Rudder Hinge Bracket in accordance with Spacecraft Machine Products Master Drawing List SMP-100, Rev. A, dated July 17, 1990.

Limitations and Conditions:

- 1) This STC does not relieve any AD requirements.
- 2) This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this change and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the 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: April 16, 1990

Date received:

Date of issuance: August 28, 1990

Date amended:



By direction of the Administrator

Gilbert L. Thompson
(Signature)
Manager, Los Angeles 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.

100

100

100

100

100

United States of America

Supplemental Type Certificate

Number SA5870NM

This certificate, issued to Space Machine Products
23880 Madison Street
Torrance, CA 90505

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 3* of the Civil Air Regulations. *See Aircraft Specification No. 3A15 for complete certification basis

Original Product—Type Certificate Number: 3A15

Make: Beech Aircraft Corporation

Model: 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, G33, F33A, F33C, 36, A36, A36TC, B36TC Airplanes

Description of Type Design Change:

Installation of Middle Rudder Hinge Bracket in
accordance with Spacecraft Machine Products Master Drawing List SMP-101, Rev. N/C,
dated November 9, 1992.

Limitations and Conditions: The approval of this installation does not relieve any AD requirements. This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this change and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the 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: June 17, 1992

Date missed

Date of issuance: December 7, 1992

Salzwenden!



By direction of the Administrator
Michael W. C. C.

(Signature)

Manager, Airframe Branch
Los Angeles 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 F.A.R. 21.47.

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| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) | | Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification ASO FSDO -03 | |
| INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958). | | | |
| 1. Aircraft | Make Beech | Model A36 Bonanza | |
| | Serial No. E-2252 | Nationality and Registration Mark N7253E | |
| 2. Owner | Name (As shown on registration certificate) John Shoffner | | Address (As shown on registration certificate) 1313 Gloucester Avenue Middlesboro, Kentucky 40831 |
| | 3. For FAA Use Only | | |
| 4. Unit Identification | | | |
| Unit | Make | Model | Serial No. |
| AIRFRAME | (As described in Item 1 above) | | |
| POWERPLANT | | | |
| PROPELLER | | | |
| APPLIANCE | Type | | |
| | Manufacturer | | |
| 5. Type | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 6. Conformity Statement | | | |
| A. Agency's Name and Address | | B. Kind of Agency | C. Certificate No. |
| Stevens Aviation, Inc. P.O. Box 2664 Knoxville, TN 37901 | | <input type="checkbox"/> U.S. Certificated Mechanic | VIB2368K Limited Airframe Rating |
| | | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | | <input type="checkbox"/> Manufacturer | |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. | | | |
| Date May 23, 1993 | | Signature of Authorized Individual <i>Theodore Campbell</i> / Theodore Campbell | |
| 7. Approval for Return To Service | | | |
| Pursuant to the authority given persons specified below, the unit identified in Item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | |
| BY | FAA Fit, Standards Inspector | Manufacturer | Inspection Authorization |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | Person Approved by Transport Canada Airworthiness Group |
| Date of Approval or Rejection May 23, 1993 | | Certificate or Designation No. VIB2368K | Signature of Authorized Individual <i>Theodore Campbell</i> / Theodore Campbell |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed PS Engineering Model PM 1000 Intercom (S/N K04319-G) with four IOS Stations and music input.

Installation was in accordance with manufacturer's wiring and installation diagrams.

Installation accomplished per A.C. 43-13-1A, Chapter 5, Chapter 11, Sections 1, 2, 3, 4, 5 and 7; Chapter 13; Chapter 15, Sections 1, 2, 3, 4, 5, 6 and A.C. 43-13-2A, Chapters 2 and 3.

Equipment list revised, weight and balance computed, log-book entries made and compass checked. Ground and flight test of all systems made and noted.

Work accomplished under W.O. # R-1893. All pertinent details on file with this agency.

- END -

RECEIVED
FAA

JUN 25 1993

TN FSDO
Nashville, Tennessee

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. Aircraft | Make BEECHCRAFT | Model A-36 |
| | Serial No. E-2252 | Nationality and Registration Mark N7235E |
| 2. Owner | Name (As shown on registration certificate) SHOFFNER, JOHN P. | Address (As shown on registration certificate) 119 SHELL DR. EMERALD ISLE, N.C. 28594 |

3. For FAA Use Only

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|--|
| |
|--|

| 4. Unit Identification | | | | 5. Type | |
|------------------------|--------------------------------|-------|------------|---------|------------|
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | (As described in Item 1 above) | | | | X |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| A. Agency's Name and Address EPPS AVIATION, INC. DEKALB/PEACHTREE AIRPORT ATLANTA, GA. 30341 | B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer | C. Certificate No. ESMR688D |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------|----------------------------------------|
| Date 1/29/93 | Signature of Authorized Individual |
|------------------------|----------------------------------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

| | | | | |
|-------------------------------------------------|--------------------------------------------------|-----------------------------------------------|----------------------------------------|-----------------|
| BY | FAA Field Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee <input checked="" type="checkbox"/> | Repair Station | | |
| Date of Approval or Rejection 1/29/93 | | Certificate or Designation ESMR688D | Signature of Authorized Individual | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

THE FOLLOWING ALTERATIONS WERE ACCOMPLISHED UNDER WORK ORDER A3069.

EQUIPMENT INSTALLED IN SPACE PROVIDED BY AIRCRAFT MANUFACTURER:

| MGFR. | DESC. | P/N | S/N | INSTALL MAN., REV. | F.S. |
|--------|--------|----------------|------|--------------------|------|
| B/KING | KLN-90 | 066-04031-0101 | 1462 | 006-0666-01 | 51.0 |
| B/KING | KA-91 | 071-1545-100 | 1496 | " | 83.0 |

THE UNITS LISTED ABOVE INSTALLED I/A/W REFERENCED MANUALS; ALSO I/A/W AIRCRAFT MANUFACTURER'S MAINTENANCE MANUALS.

THE ABOVE ALTERATIONS MEET THE REQUIREMENTS OF ADVISORY CIRCULAR AC 43.13-1A/2A AND AC-20-121A, RELATING TO VFR-ONLY INSTALLATION.

THE KLN-90 IS COUPLED TO THE PILOT'S HSI AND AUTOPILOT THROUGH RELAY SWITCHING BETWEEN #1 VOR AND GPS. THE INSTRUMENT PANEL IS PLACARDED "GPS NOT APPROVED FOR IFR OPERATION"

THE ALTERATION LISTED IN THE ABOVE TABLE WAS INSPECTED, TESTED AND CALIBRATED AND FOUND TO OPERATE AS INTENDED. ALL FUNCTIONS ARE COMPATIBLE TO OTHER AIRCRAFT SYSTEMS.

THE ALTERATION(S) LISTED ABOVE MEETS THE FOLLOWING FAR'S: 21.301, 23.301/305/307, 23.603/607/609/611, 23.1301/1309/1357/1365/1367/1397, 23.1431, & 23.1519/1543/1559 AND APPLICABLE RULES PERTAINING TO THE AIRCRAFT'S CERTIFICATION BASIS.

AIRCRAFT RECORDS, EQUIPMENT LIST WEIGHT & BALANCE, AND LOGBOOKS WERE REVISED I/A/W FAR 43.13 APPENDIX B, AND FAR 91.407.

-----END-----

☐ Additional Sheets Are Attached

No certificate may be issued unless a completed application form has been received (14 C.F.R. 21)

17 Form Approved
 O M.B. No. 04-10058

| U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | INSTRUCTIONS — Print or type. Do not write in shaded areas, those are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable. | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| APPLICATION FOR AIRWORTHINESS CERTIFICATE | | | | | |
| I. AIRCRAFT DESCRIPTION | 1. REGISTRATION MARK N7235E | 2. AIRCRAFT BUILDER'S NAME (Make) BEECH AIRCRAFT CORP. | 3. AIRCRAFT MODEL DESIGNATION A36 | 4. YR. MFG 1985 | 5. AIRCRAFT SERIAL NO. E-2252 |
| | 6. AIRCRAFT SERIAL NO. E-2252 | 7. ENGINE BUILDER'S NAME (Make) Continental | 8. ENGINE MODEL DESIGNATION IO-550-B | 9. PROPELLER BUILDER'S NAME (Make) McCauley | 10. PROPELLER MODEL DESIGNATION D3A32C409 |
| | 11. AIRCRAFT IS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> USED <input type="checkbox"/> IMPORT | | | | |
| II. CERTIFICATION REQUESTED | APPLICATION IS HEREBY MADE FOR: (Check applicable items) | | | | |
| | A. <input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) | | | | |
| | B. <input type="checkbox"/> SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items) | | | | |
| | LIMITED | | | | |
| | PROVISIONAL (Indicate class) | | | | |
| | RESTRICTED (Indicate operation to be conducted) | | | | |
| | EXPERIMENTAL (Indicate operations to be conducted) | | | | |
| | SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side) | | | | |
| | C. <input type="checkbox"/> MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.) | | | | |
| | D. <input type="checkbox"/> FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE | | | | |
| E. <input type="checkbox"/> EVACUATE FROM AREA OF IMPENDING DANGER | | | | | |
| F. <input type="checkbox"/> OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT | | | | | |
| G. <input type="checkbox"/> DELIVERING OR EXPORT | | | | | |
| H. <input type="checkbox"/> PRODUCTION FLIGHT TESTING | | | | | |
| III. OWNER'S CERTIFICATION | A. REGISTERED OWNER (As shown on certificate of aircraft registration) | | | | |
| | NAME BEECH AIRCRAFT CORPORATION | | ADDRESS 9709 East Central Wichita, Kansas 67201 | | |
| | B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) | | | | |
| | X AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) 3A15, Rev. 74 | | X AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) ISSUE 85-08 | | |
| | AIRCRAFT LISTING (Give page number(s)) N/A | | SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) N/A | | |
| | C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS | | | | |
| X CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173 | | TOTAL AIRFRAME HOURS (Enter for used aircraft only) 2:15 | | EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) N/A | |
| D. CERTIFICATION — I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested. | | | | | |
| DATE OF APPLICATION 5-15-85 | | NAME AND TITLE (Print or type) A. J. Burroughs - Staff Member Flight Inspection | | SIGNATURE <i>A. J. Burroughs</i> | |
| IV. INSPECTION AGENCY VERIFICATION | A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies) | | | | |
| | FAA PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.) | | CERTIFICATED MECHANIC (Give Certificate No.) | | CERTIFICATED REPAIR STATION (Give Certificate No.) |
| | B. AIRCRAFT MANUFACTURER (Give name of firm) | | | | |
| V. FAA REPRESENTATIVE CERTIFICATION | DATE 5-15-85 | | DISTRICT OFFICE WICHITA MIDO | | DESIGNER'S SIGNATURE AND NO. <i>A. J. Burroughs</i> , DOA, PC#8 |
| | THE CERTIFICATE REQUESTED | | | | |
| | AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE | | | | |
| | FAA INSPECTOR | | | | |
| CERTIFICATE HOLDER UNDER: | | FAA 05 | FAA 121 OR 127 | FAA 145 | FAA INSPECTOR'S SIGNATURE |

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| VI. PRODUCTION FLIGHT TESTING | A. MANUFACTURER | |
| | NAME | ADDRESS |
| | B. PRODUCTION BASIS (Check applicable item) | |
| | <input type="checkbox"/> PRODUCTION CERTIFICATE (Give production certificate number) <input type="checkbox"/> TYPE CERTIFICATE ONLY <input type="checkbox"/> APPROVED PRODUCTION INSPECTION SYSTEM | |
| C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS → | | |
| | DATE OF APPLICATION | SIGNATURE |
| VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | A. DESCRIPTION OF AIRCRAFT | |
| | REGISTERED OWNER | ADDRESS |
| | BUILDER (Maker) | MODEL |
| | SERIAL NUMBER | REGISTRATION MARK |
| | B. DESCRIPTION OF FLIGHT | |
| | FROM | TO |
| | VIA | DEPARTURE DATE |
| | | DURATION |
| | C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT | |
| | <input type="checkbox"/> PILOT | <input type="checkbox"/> CO-PILOT |
| | <input type="checkbox"/> NAVIGATOR | <input type="checkbox"/> OTHER (Specify) |
| | D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS: | |
| | | |
| | E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION (Use attachment if necessary) | |
| | | |
| F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described. | | |
| DATE | NAME AND TITLE (Print or type) | SIGNATURE |
| VIII. AIRWORTHINESS DOCUMENTATION (FAA use only) | <input checked="" type="checkbox"/> A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable | <input type="checkbox"/> G. Statement of Conformity, FAA Form 8130-9 (Attach when required) |
| | <input type="checkbox"/> B. Current Operating Limitations Attached | <input type="checkbox"/> H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) |
| | <input type="checkbox"/> C. Data, Drawings, Photographs, etc. (Attach when required) | <input type="checkbox"/> I. Previous Airworthiness Certificate Issued in Accordance with |
| | <input checked="" type="checkbox"/> D. Current Weight and Balance Information Available in Aircraft | <input type="checkbox"/> FAR _____ CAR _____ (Original attached) |
| | <input type="checkbox"/> E. Major Repair and Alteration, FAA 337 (Attach when required) | <input type="checkbox"/> J. Current Airworthiness Certificate Issued in Accordance with |
| | <input checked="" type="checkbox"/> F. This Inspection Recorded in Aircraft Records | <input type="checkbox"/> FAR 21.183 (a) per 21.273 (Copy attached) |

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

| | | | |
|------------------------------------------|-----------------------------------|------------------------------|-------------|
| 1. NATIONALITY AND REGISTRATION MARKS | 2. MANUFACTURER AND MODEL | 3. AIRCRAFT SERIAL NUMBER | 4. CATEGORY |
| N7235E | BEECH AIRCRAFT CORPORATION 430 | E-2252 | UTILITY |

5. AUTHORITY AND BASIS OF ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1938 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

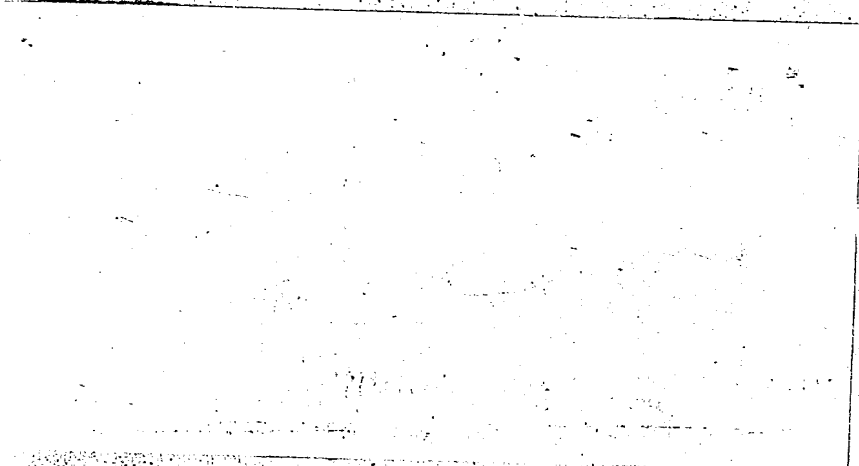
6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 23, 25, and 26 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

| | | |
|------------------|---------------------|--------------------|
| DATE OF ISSUANCE | FAA REGIONAL OFFICE | DESIGNATION NUMBER |
| 5-15-85 | A. J. Burroughs | DOA, PC#8 |

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA AIRCRAFT REGISTRY
CAMERA NO. 2

DATE: 1-26-90



| DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | | | Form Approved Budget Bureau No. 04-R060.1 | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------|
| MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) | | | | FOR FAA USE ONLY | |
| INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. | | | | OFFICE IDENTIFICATION KCI FSDO 3-0-63 | |
| 1. AIRCRAFT | | MAKE Beechcraft | MODEL A-36 | | |
| SERIAL NO. E-2252 | | NATIONALITY AND REGISTRATION MARK N7235F | | | |
| 2. OWNER | | NAME (As shown on registration certificate) Topeka Aircraft Sales & Service | | ADDRESS (As shown on registration certificate) Municipal Airport Topeka, KS 66616 | |
| 3. FOR FAA USE ONLY | | | | | |
| 4. UNIT IDENTIFICATION | | | | | |
| UNIT | MAKE | MODEL | SERIAL NO. | 5. TYPE | |
| | | | | REPAIR | ALTERATION |
| AIRFRAME | ***** (As described in item 1 above) ***** | | | | |
| POWERPLANT | | | | | X |
| PROPELLER | | | | | |
| APPLIANCE | TYPE | | | | |
| | MANUFACTURER | | | | |
| 6. CONFORMITY STATEMENT | | | | | |
| A. AGENCY'S NAME AND ADDRESS | | B. KIND OF AGENCY | | C. CERTIFICATE NO. | |
| Executive Beechcraft, Inc. 10 Richards Rd. Kansas City, MO 64116 | | U.S. CERTIFICATED MECHANIC | | CRS 4314 | |
| | | FOREIGN CERTIFICATED MECHANIC | | | |
| | | X CERTIFICATED REPAIR STATION | | | |
| | | MANUFACTURER | | | |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. | | | | | |
| DATE 20 Jun 85 | | SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Arthur Bank</i> | | | |
| 7. APPROVAL FOR RETURN TO SERVICE | | | | | |
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA FLT. STANDARDS INSPECTOR | MANUFACTURER | INSPECTION AUTHORIZATION | OTHER (Specify) | |
| | FAA DESIGNEE | X REPAIR STATION | CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT | | |
| DATE OF APPROVAL OR REJECTION 20 Jul 85 | | CERTIFICATE OR DESIGNATION NO. CRS 4314 | | SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Arthur Bank</i> | |

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

A. Installed a King KNS-80 Area Navigation Computer. Units installed as per Mfg., installation manual and in accordance with FAR 43.13.1 and advisory circular 90-45A.

B. Area Navigation approved for IFR "Enroute" and "Approach" categories. See aircraft flight manual for operating information.

C. Aircraft released to service by test flight.

THE END

☐ ADDITIONAL SHEETS ARE ATTACHED