

SW15200508194

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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 SW-15 MMB | |
| 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 Raytheon | | | Model A36 | |
| | Serial No. E-2924 | | | Nationality and Registration Mark N3224G | |
| 2. Owner | Name (As shown on registration certificate) Brock John D | | | Address (As shown on registration certificate) Chicago IL 60610 | |
| | | | | | |
| 3. For FAA Use Only | | | | | |
| | | | | | |
| 4. Unit Identification | | | | | 5. Type |
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | (As described in Item 1 above) | | | | |
| POWERPLANT | TCM | I0-520-BB | 578701 | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |
| 6. Conformity Statement | | | | | |
| A. Agency's Name and Address | | B. Kind of Agency | | C. Certificate No. | |
| Barrett Performance Aircraft, Inc. Tulsa Oklahoma 74115 | | U.S. Certificated Mechanic | | XBTR929K | |
| | | Foreign Certificated Mechanic | | | |
| | | <input checked="" type="checkbox"/> Certified 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 February 10, 2005 | | Signature of Authorized Individual M. Barrett | | | |
| 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 | <input checked="" type="checkbox"/> Repair Station | Person Approved by Transport Canada Airworthiness Group | | |
| Date of Approval or Rejection February 10, 2005 | | Certificate or Designation No. XBTR929K | Signature of Authorized Individual M. Barrett | | |

RECEIVED
MAR 21 2005
ASW-FSDO-OKC

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.)

Converted engine from IO-520-BB to IO-550-B/BP IAW Barrett Performance Aircraft STC #SC09997SE dated June 13, 2002.

Continued Airworthiness: Inspect and maintain IAW Teledyne-Continental Motors approved data as revised as applicable to type IO-550-B engines, TC #E3SO

Installer to complete Blocks 1 and 2, and comply with the reporting requirements of FAR Pt 43.

-----END-----

☒ Additional Sheets Are Attached



U.S. 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

SW15200508172
SW-5 WCE

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 Raytheon | Model A36 |
| | Serial No. E-2924 | Nationality and Registration Mark N3224G |
| 2. Owner | Name (As shown on registration certificate) BROCK JOHN D | Address (As shown on registration certificate) [REDACTED] CHICAGO IL 60610 |

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 | TCM | IO-550-B/BP | 8PA8913 | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | RECEIVED MAR 21 2005 ASW-FSDO-OKC | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|--|--|--------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| DAVID RYAN LANDRETH [REDACTED] ADA, OK 74820 | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | [REDACTED] |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input 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
03/15/2005

Signature of Authorized Individual
[REDACTED] DAVID RYAN LANDRETH

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 | <input checked="" type="checkbox"/> | Inspection Authorization | Other (Specify) |
| | FAA Designee | Repair Station | | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 03/15/2005 | | Certificate or Designation No. [REDACTED] | | Signature of Authorized Individual [REDACTED] JAMES E NELL | |

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.)

Removed six (6) TCM fuel nozzles P/N 632748-16B and installed General Aviation Modifications, inc. turboGAMIjectors Kit No. GT16B S/N 13648 STC No. SE09289SC PMA No. PQ821SW per turboGAMIjector Installation Procedure No. IP-97-002 (rev 001) dated February 6, 1997.

Modification to Teledyne Continental engine for the installation of turbonormalizing system per STC SE5222NM and in accordance with FliteCraft Turbo Drawing List Number as listed on the FAA Approved Model List (AML) of this STC, dated August 22, 1991 or later FAA approved revisions.

Installation of modified Teledyne Continental engine equipped with turbonormalizing system per STC SA5223NM and in accordance with Tornado Allry Turbo Drawing List Number TAT-B-MDL, rev. NC, dated September 29, 1999, or later FAA approved revisions.

Installation of Wing Tip Fuel Tanks in accordance with J. L. Osborne Installation Instructions as listed on AML No. SA4-1629, or later FAA approved revision. Installation completed in accordance with STC SA4-1629.

Installation of aileron and wing flap gap seal in accordance with D'shannon Products Drawing B6300, revision A, dated October 8 or later approved revision. Installation completed in accordance with STC SA1176SO.

See Flight Manual Supplement for aircraft operating procedures, continued airworthiness, and aircraft gross weight increase requirements.

Weight and Balance updated see flight manual.

***** NOTHING FOLLOWS *****

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these 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.

| | | | | | | | |
|---|---|---|---|--|--|--|--------------------|
| I. AIRCRAFT DESCRIPTION | 1. REGISTRATION MARK N3224G | 2. AIRCRAFT BUILDER'S NAME (Make) BEECH AIRCRAFT CORP. | 3. AIRCRAFT MODEL DESIGNATION A36 | 4. YR. MFR. 1995 | FAA CODING 1151604 17042 | | |
| | 5. AIRCRAFT SERIAL NO. E-2924 | 6. ENGINE BUILDER'S NAME (Make) Continental | 7. ENGINE MODEL DESIGNATION IO-550-B | | 11. AIRCRAFT IS (Check if applicable) <input type="checkbox"/> IMPORT | | |
| | 8. NUMBER OF ENGINES 1 | 9. PROPELLER BUILDER'S NAME (Make) McCauley | 10. PROPELLER MODEL DESIGNATION D3A32C409C | | | | |
| II. CERTIFICATION REQUESTED | APPLICATION IS HEREBY MADE FOR: (Check applicable items) | | | | | | |
| | <input checked="" type="checkbox"/> A | <input checked="" type="checkbox"/> 1 | STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) | | <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> UTILITY <input type="checkbox"/> ACROBATIC <input type="checkbox"/> TRANSPORT <input type="checkbox"/> GLIDER <input type="checkbox"/> BALLOON | | |
| | <input type="checkbox"/> B | | SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items) | | | | |
| | | <input type="checkbox"/> 2 | LIMITED | | | | |
| | | <input type="checkbox"/> 5 | PROVISIONAL (Indicate class) | | | | |
| | | <input type="checkbox"/> 3 | RESTRICTED (Indicate operation(s) to be conducted) | | | | |
| | | <input type="checkbox"/> 4 | EXPERIMENTAL (Indicate operation(s) to be conducted) | | | | |
| | | <input type="checkbox"/> 6 | SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side) | | | | |
| | | <input type="checkbox"/> 1 | CLASS I | | | | |
| | | <input type="checkbox"/> 2 | CLASS II | | | | |
| | <input type="checkbox"/> 1 | AGRICULTURE AND PEST CONTROL | | <input type="checkbox"/> 2 | AERIAL SURVEYING | <input type="checkbox"/> 3 | AERIAL ADVERTISING |
| | <input type="checkbox"/> 4 | FOREST (Wildlife conservation) | | <input type="checkbox"/> 5 | PATROLLING | <input type="checkbox"/> 6 | WEATHER CONTROL |
| | <input type="checkbox"/> 7 | CARRIAGE OF CARGO | | <input type="checkbox"/> 0 | OTHER (Specify) | | |
| | <input type="checkbox"/> 1 | RESEARCH AND DEVELOPMENT | | <input type="checkbox"/> 2 | AMATEUR BUILT | <input type="checkbox"/> 3 | EXHIBITION |
| | <input type="checkbox"/> 4 | RACING | | <input type="checkbox"/> 5 | CREW TRAINING | | MKT SURVEY |
| | <input type="checkbox"/> 0 | TO SHOW COMPLIANCE WITH FAR | | | | | |
| | <input type="checkbox"/> 1 | FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE | | | | | |
| | <input type="checkbox"/> 2 | EVACUATE FROM AREA OF IMPENDING DANGER | | | | | |
| | <input type="checkbox"/> 3 | OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT | | | | | |
| | <input type="checkbox"/> 4 | DELIVERING OR EXPORT | | <input type="checkbox"/> 5 | PRODUCTION FLIGHT TESTING | | |
| | <input type="checkbox"/> 6 | CUSTOMER DEMONSTRATION FLIGHTS | | | | | |
| <input checked="" type="checkbox"/> C | <input type="checkbox"/> 6 | MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.) | | | | | |
| III. OWNER'S CERTIFICATION | A. REGISTERED OWNER (As shown on certificate of aircraft registration) | | | | IF DEALER, CHECK HERE <input checked="" type="checkbox"/> | | |
| | NAME BEECH AIRCRAFT CORPORATION | | ADDRESS 9709 E. Central Wichita, Kansas 67201 | | | | |
| | B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) | | | | | | |
| | <input checked="" type="checkbox"/> X | AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No and Revision No.) 3A15, Rev. 85 | | <input checked="" type="checkbox"/> X | AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) ISSUE 95-02 | | |
| | | 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 | | | | | | |
| <input checked="" type="checkbox"/> X | CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.417 | TOTAL AIRFRAME HOURS 3:10 | <input type="checkbox"/> 3 | EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) N/A | | | |
| D. 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 and eligible for the airworthiness certificate requested | | | | | | | |
| DATE OF APPLICATION 2-6-95 | | NAME AND TITLE (Print or type) Gene Diller - Manager Quality Assurance | | SIGNATURE | | | |
| 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) | | | | | | |
| | <input type="checkbox"/> 2 | FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.) | <input type="checkbox"/> 3 | CERTIFICATED MECHANIC (Give Certificate No.) | <input type="checkbox"/> 6 | CERTIFICATED REPAIR STATION (Give Certificate No.) | |
| | <input type="checkbox"/> 5 | AIRCRAFT MANUFACTURER (Give name of firm) | | | | | |
| | DATE | | TITLE | | SIGNATURE | | |
| V. FAA REPRESENTATIVE CERTIFICATION | (Check ALL applicable blocks in items A and B) | | <input checked="" type="checkbox"/> X | THE CERTIFICATE REQUESTED | | | |
| | A. I find that the aircraft described in Section I or VII meets requirements for | | <input type="checkbox"/> 4 | AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE | | | |
| | B. Inspection for a special flight permit under Section VII was conducted by: | | FAA INSPECTOR | | FAA DESIGNEE | | |
| | | | CERTIFICATE HOLDER UNDER: | | FAR 65 FAR 121, 127 or 135 FAR 145 | | |
| | DATE 2-6-95 | DISTRICT OFFICE WICHITA MIDO | DESIGNEE'S SIGNATURE AND NO A.J. Burroughs, DOA, PC#8 | 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 | | NAME AND TITLE (Print or type) | | SIGNATURE |
| VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | A. DESCRIPTION OF AIRCRAFT | | | |
| | REGISTERED OWNER | | ADDRESS | |
| | BUILDER (Make) | | MODEL | |
| | SERIAL NUMBER | | REGISTRATION MARK | |
| | B. DESCRIPTION OF FLIGHT CUSTOMER DEMONSTRATION FLIGHTS <input type="checkbox"/> (Check if applicable) | | | |
| | 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) | |
| VIII. AIRWORTHINESS DOCUMENTATION (FAA use only) | <input checked="" type="checkbox"/> | A. Operating Limitations and Markings in Compliance with FAR 91.9 as Applicable | | G. Statement of Conformity, FAA Form 8130-9 (Attach when required) |
| | <input type="checkbox"/> | B. Current Operating Limitations Attached | | H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) |
| | <input type="checkbox"/> | C. Data Drawings Photographs etc (Attach when required) | | I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ (Original Attached) |
| | <input checked="" type="checkbox"/> | D. Current Weight and Balance Information Available on Aircraft | | J. Current Airworthiness Certificate Issued in Accordance with FAR _____ |
| | <input type="checkbox"/> | E. Major Repair and Alteration, FAA Form 337 (Attach when required) | | 21.183 (a) per 21.273 (Copy attached) |
| | <input checked="" type="checkbox"/> | F. This Inspection Recorded in Aircraft Records | | |

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

| | | | |
|---------------------------------------|-----------------------------|------------------------------|------------|
| NATIONALITY AND REGISTRATION MARKS | 2 MANUFACTURER AND MODEL | 3. AIRCRAFT SERIAL NUMBER | 4 CATEGORY |
| N3224G | BEECH AIRCRAFT CORP. A36 | E-2924 | UTILITY |

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 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 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States

| | | |
|------------------|----------------|--------------------|
| DATE OF ISSUANCE | FAA [REDACTED] | DESIGNATION NUMBER |
| 2-6-95 | A.J. Burroughs | DOA. PCAR |

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