



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 N9224Y | Serial No. 31P-8414012 | |
| | Make PIPER | Model PA-31P-350 | Series |
| 2. Owner | Name (As shown on registration certificate) GOLD COAST TURBINE INC | Address (As shown on registration certificate) | |
| | | Address 3526 MARSHA LN | |
| | | City VERO BEACH | State FLORIDA |
| | | Zip 32967-5654 | Country UNITED STATES |

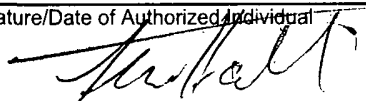
3. For FAA Use Only

| 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 QUEST AVONICS INC | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 1550 S.W. 60th AVE | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City OCALA State FLORIDA | | <input checked="" type="checkbox"/> Certificated Repair Station | QVNR604L |
| Zip 34474 Country UNITED STATES | | <input type="checkbox"/> Certificated Maintenance Organization | |

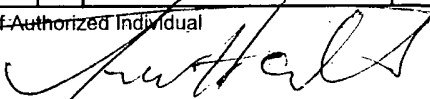
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

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 | |

| | |
|---|---|
| Certificate or Designation No. QVNR604L | Signature/Date 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.)

N9224Y

February 28, 2021

Nationality and Registration Mark

Date

Removed King KT-79 Transponder.

Installed and tested Garmin GTX-335 ADS-B Compliant Transceiver in accordance with Garmin GTX 3XX Part 23 AML STC Installation Manual PN 190-00734-10 and FAA Policy Notice No. N8900.362.

The GTX-335 was installed IAW Garmin STC SA01714WI. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR part 91.227.

Change to Weight and Balance Data is negligible.

Performed an Electrical Load Analysis and found total load does not exceed 80% of rated capacity.

Inserted FAA Approved Airplane Flight Manual Supplement, Garmin Document No. 190-00734-15, Revision 5 dated June 1, 2021 in the Pilot's Operating Handbook.

Reference Instructions for Continued Airworthiness, Garmin Document No. 190-00734-11, Revision 8, dated June 1, 2021.

-----END-----

☐ Additional Sheets Are Attached

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number SA01714WI

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: * See attached Approved Model List (AML) No.
SA01714WI dated May 1, 2013 or later FAA-
Make: approved revision for list of approved aircraft models
Model: and applicable airworthiness regulations.

Description of Type Design Change:

Installation of Garmin transponders: (a) GTX 330/330D/33/33D or GTX 335/335R/335D/335DR with ADS-B Out functionality; (b) GTX 345/345R/345D/345DR with ADS-B Out and In functionality; (c) GTX 335R/335DR with ADS-B Out functionality in select airplanes installed with G950/G1000 systems; or (d) GTX 345R/345DR with ADS-B Out and In functionality in select airplanes installed with G950/G1000 systems.

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-00734-04, Revision 1, dated May 1, 2013 or later FAA-approved revision.
- (2) Garmin Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS), 190-00734-15, Revision 1, dated May 1, 2013 or later FAA-approved revision.

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) Aircraft installations involving the Garmin transponder models without an internal GPS require the previous installation of an approved ADS-B position source. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.

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: August 7, 2012

Date reissued:

Date of issuance: May 1, 2013

Date amended: April 29, 2014; March 8, 2016;
September 9, 2019



By direction of the Administrator

JR Brownell
(Signature)

JR Brownell
ODA STC Unit Administrator
ODA-240087-CE
Garmin International, Inc.

(Title)

FAA Approved Model List (AML) STC SA01714WI

| Airplane Make (TCDS Holder) [common name or previous make] | Airplane Model Designation | Type Certificate Number | TC Certification Basis (1) | Master Drawing List Revision (005-00734-04) | AML Amendment/Date |
|---|---|------------------------------------|---|--|-------------------------------|
| Piper Aircraft, Inc. (Piper Aircraft, Inc.) [The New Piper Aircraft, Inc] | PA-46-310P | A25SO | FAR 23 | 1 | Original 5/1/2013 |
| | PA-46-350P, PA-46R-350T, PA-46-500TP | A25SO | FAR 23 | 1 | Original 5/1/2013 |
| | PA-42-720R | A32SO | FAR 23, FAR 25 | 1 | Original 5/1/2013 |
| | PA-30, PA-39, PA-40 | A1EA | CAR 3 | 1 | Original 5/1/2013 |
| | PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-31P-350 | A8EA | CAR 3 FAR 23 | 1 | Original 5/1/2013 |
| Polskie Zakłady Lotnicze Spolka zo.o (Polskie Zakłady Lotnicze Spolka zo.o) [PZL Mielec] | PZL M26 01 | A44CE | FAR 21 FAR 23 | 1 | Original 5/1/2013 |
| Reims Aviation SA (Reims Aviation S.A.) | F406 | A54EU | FAR 23 | 1 | Original 5/1/2013 |
| Revo Inc. (Revo, Incorporated) [Colonial Aircraft Co; Lake Aircraft Corp; Consolidated Aeronautics; Global Amphibians] | Colonial C-1, Colonial C-2, Lake LA-4, Lake LA-4A, Lake LA-4P, Lake LA-4-200, Lake Model 250 | 1A13 | CAR 3 | 1 | Original 5/1/2013 |
| RUAG Aerospace Services GmbH (RUAG Aerospace Services GmbH) [Dornier-Werke G.M.b.H.; DORNIER LUFTHAFT GmbH; Fairchild Dornier GmbH] | Do 28 A-1, Do 28 B-1 | 7A13 | CAR 3 | 1 | Original 5/1/2013 |
| | Do 27 Q-6 | A8IN | CAR 3 | 1 | Original 5/1/2013 |
| RUAG Aerospace Services GmbH (RUAG Aerospace Services GmbH) [Fairchild Dornier GmbH] | Dornier 228-100, Dornier 228-101, Dornier 228-200, Dornier 228-201, Dornier 228-202, Dornier 228-212, Do 28 D, Do 28 D-1 | A16EU | FAR 21 FAR 23 | 1 | Original 5/1/2013 |



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

July 11, 2018

Subject: Authorization for STC Use
AML STC SA01714WI

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA01714WI data to modify aircraft.

A handwritten signature in black ink, appearing to read "Emmett Griffith", followed by a long horizontal line extending to the right.

Emmett Griffith
Director of Engineering
Garmin International, Inc.



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

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 PIPER | Model PA31P-350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N9224Y |
| | | |
| 2. Owner | Name (As shown on registration certificate) DO NASCIMENTO MARCIO KLEBIER | Address (As shown on registration certificate) 106-D RUE LEON BARBIER CHATOU, FRANCE 78400 |
| | | |

3. For FAA Use Only

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

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

6. Conformity Statement

| | | |
|--|---|---|
| A. Agency's Name and Address Avionics Masters 1001 W. Cypress Creek Road, Suite 309 Fort Lauderdale, FL 33309 (954) 491-2580 | 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. Class I, II, Ltd. III VIMR095K |
|--|---|---|

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 3/27/14 | 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 Flt. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | XX Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 3/27/14 | | Certificate or Designation No. VIMR095K | Signature of Authorized Individual | |

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.

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

| | MFG: | MODEL: | WEIGHT: | ARM: |
|-----------|-----------|----------|---------|-------|
| REMOVED | KING | KNS-81 | 5.0 | 68.0 |
| | KING | KLN-94 | 3.0 | 64.0 |
| | KING | KY-196 | 3.2 | 63.0 |
| | AMERIKING | AK-950 | 0.5 | 64.0 |
| | KING | KA-92 | 0.5 | 135.0 |
| INSTALLED | GARMIN | GNS-530W | 9.0 | 64.0 |
| | GARMIN | GA-35 | 0.5 | 86.0 |

INSTALLED GNS-530W IN EXISTING SPACE IN THE RADIO PANEL. THE INSTALLATION IS APPROVED UNDER STC SA01933LA REV. ORIGINAL, DATED NOVEMBER 6, 2006 AND THE ASSOCIATED APPROVED MODEL NUMBER LIST. THE MODEL 530W IS ENROUTE, TERMINAL, AND PRECISION APPROACH CERTIFIED. CONNECTION TO THE ALTITUDE ENCODER IS INSTALLED TO PROVIDE DIGITAL ALTITUDE TO THE GPS RECEIVER. GNS 530W SYSTEM DATA IS DISPLAYED ON THE PILOT'S HSI AND THE DATA IS EITHER GPS OR VOR/LOC AS SHOWN ON THE DISPLAY ON THE GNS-530W. THE GNS-530W IS AN IFR APPROVED SYSTEM. THE EQUIPMENT WAS INSTALLED I.A.W. GARMIN INSTALLATION MANUAL P/N 190-00357-02 REV. B, DATED NOV, 2006. THE GA-35 GPS/WAS ANTENNA WAS INSTALLED ON TOP OF THE CABIN IN PLACE OF THE EXISTING KING KA-92 GPS ANTENNA IN ACCORDANCE WITH THE GARMIN INSTALLATION MANUAL.

THE TOTAL ELECTRICAL LOAD IS LESS THAN ALTERNATOR CAPACITY.

- 1) THE GPS EQUIPMENT INSTALLED IS COMPATIBLE WITH ALL OTHER INSTALLED EQUIPMENT AND PREVIOUS ALTERATIONS.
- 2) THE EQUIPMENT INSTALLED HAS NO CERTIFIED PROPERTIES WHICH SHOULD ADVERSELY IMPACT CONTINUED SAFE FLIGHT AND LANDING FOR ANY TYPE OF FLIGHT OPERATION APPROVED FOR THIS AIRCRAFT.
- 3) THE EQUIPMENT INSTALLED WAS FLIGHT CHECKED AND PERFORMS ALL FUNCTIONS IN ACCORDANCE WITH THE MANUFACTURERS PUBLISHED SPECIFICATIONS. I CERTIFY THAT THE FUNCTIONAL FLIGHT EVALUATION WAS PERFORMED AND THE GPS SYSTEM AS INSTALLED MEETS THE REQUIREMENTS OF AC20-138A.
PILOT: [Signature] LICENSE NO. 2206391 DATE: 3/27/14
- 4) THE AIRCRAFT WEIGHT AND BALANCE AND EQUIPMENT LIST HAVE BEEN UPDATED TO REFLECT THE EQUIPMENT INSTALLED.
- 5) CHANGES TO OPERATIONAL LIMITATIONS AND AN APPROVED FLIGHT MANUAL SUPPLEMENT DATED: JULY 31, 2009, HAVE BEEN ENTERED IN THE AIRCRAFT APPROVED FLIGHT MANUAL OR OPERATING HANDBOOK.
- 6) AN ENTRY DOCUMENTING THIS INSTALLATION AND IFR APPROVAL STATUS HAS BEEN MADE IN THE AIRCRAFT LOG.
- 7) COMPLETED COMPASS SWING AND CALIBRATION.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS: REFERENCE GARMIN P/N 190-00357-02 REV. B, DATED NOV, 2006.

[illegible]



AVIONICS MASTERS

1001 W. Cypress Creek Rd., SUITE 309
FT. LAUDERDALE, FL 33309
Phone: (954) 491-2580 Fax: (954) 491-5279

April 1, 2014

Federal Aviation Administration
Aircraft Registration Branch, AFS-750
PO Box 25504
Oklahoma City, OK. 73125

To Whom It May Concern:

The following paperwork is being submitted for filing.

1. 337 for N9224Y, Do Nascimento Marcio Klebier, for filing. Dated MAR/27/2014

If you should have any questions please call me at (954) 491-2580.

Thank You!

Sincerely,

Charles L. Hunt Jr.



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 N9224Y | Serial No. 31P-8414012 | |
| | Make PIPER | Model PA31P-350 | Series Mojave |
| 2. Owner | Name (As shown on registration certificate) Do Nascimento, Marcio Kleber | Address (As shown on registration certificate) Address 106-D Rue Leon Barbier | |
| | | City Chatou State France | Zip 78400 Country France |

3. For FAA Use Only

The data identified herein complies with the applicable
airworthiness requirements and is approved for the
above described aircraft, subject to conformity
inspection by a person authorized in § 43.7.

Date: **06/31/11**

Inspector: *Harry P. ...*

ASO-FSDO-15

| 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 Sun Aviation Inc. | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 3102 Cherokee Drive | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City Vero Beach State FL | | <input checked="" type="checkbox"/> Certificated Repair Station | |
| Zip 32961 Country USA | | <input type="checkbox"/> Certificated Maintenance Organization | ECWD470D |

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 <i>Timothy E. Emge</i> 11-2-2011 |
|--|--|

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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> 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. ECWD470D | | Signature/Date of Authorized Individual <i>Timothy E. Emge</i> 11-2-2011 | | | |

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.)

N9224Y

12-2-2011

Nationality and Registration Mark

Date _____

A satisfactory flight check was conducted on the Bendix/King KLN-94 GPS system previously installed by FAA Form 337 dated August 19, 2011. The GPS system was found to meet the system accuracy requirements of AC 20-138B, chapter 20.

FAA Approved Flight Manual Supplement dated OCT 31 2011 was installed into the Aircraft's Approved Flight Manual.

Removed Placard "GPS FOR VFR USE ONLY" if this placard is moved be placed also on T
 and 1 beverage of this aircraft per amendment 15

Installation is in compliance with FAR 23.1301, 23.1309 and 23.1431, this business avoids

Attachment: Operational Flight Check Data - Work Sheet.

END

OCT 31 '11 LP

ASO-FSDO-15

☐ 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
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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 N9224Y | Serial No. 31P-8414012 | |
| | Make PIPER | Model PA31P-350 | Series Mojave |
| 2. Owner | Name (As shown on registration certificate) Do Nascimento, Marcio Kleber | Address (As shown on registration certificate) Address 106-D Rue Leon Barbier | |
| | | City Chatou State France | Zip 78400 Country France |

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7.

Date: 8/12/11

Inspector: Tony Alfaya

Tony Alfaya
Principal Avionics Inspector

| 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 Sun Aviation Inc. | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 3102 Cherokee Drive | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City Vero Beach State FL | | <input checked="" type="checkbox"/> Certificated Repair Station | |
| Zip 32961 Country USA | | <input type="checkbox"/> Certificated Maintenance Organization | ECWD470D |

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 <u>Timothy E. Eunge</u> 8-19-11 |
|--|---|

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. ECWD 470 D | Signature/Date of Authorized Individual <u>Timothy E. Eunge</u> 8-19-11 |
|---|---|

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.)

N9224Y

Nationality and Registration Mark

Date

Installed Placard on Pilot Instrument panel for Bendix/King KLN94 GPS Stating "GPS FOR VFR USE ONLY".

END

See description of work accomplished on previous sheets for details of work accomplished. This sheet is for the installation of the GPS placard on the Pilot Instrument panel for Bendix/King KLN94 GPS Stating "GPS FOR VFR USE ONLY".

☐ Additional Sheets Are Attached

JUL 13 1998 OCT 02 1998



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

GC 21 90K

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 PIPER | Model PA31P-350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N9224Y |
| 2. Owner | Name (As shown on registration certificate) | Address (As shown on registration certificate) |
| | Eid-Co Construction | 1701 32nd Avenue S Fargo ND 58103 |

3. For FAA Use Only

The alteration/data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7.

9/14/98 *[Signature]*

Date **GL-FSDO-21**

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 FARGO AERO TECH, INC. 1722 23RD AVENUE N FARGO ND 58102 | 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. PR5R129N |
|---|---|--|

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 10-2-98 | Signature of Authorized Individual <i>Emory A. Babolian</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 Flt. Standards Inspector | | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X | Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 10-2-98 | | Certificate or Designation No. PR5R129N | | Signature of Authorized Individual <i>Emory A. Babolian</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.

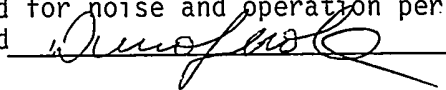
8. Description of Work Accomplished

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

1. Installed KLN89B GPS PN 066-01148-0101 (TSO C129 Class A1), KA92 PN071-01553-0200 (TSO C129), AIS 200-35 relay box, Eaton 582/584 switches/annunciators as follows: King PN 031-00785-0712 Nav/GPS switch/annunciator, PN 031-00785-0762 MSG/WPT annunciator & PN 031-00785-0767 GPS APR/ARM/ACTV switch per mfg installation manual PN006-10522-0001 Rev 1 dated June 1995
2. Locations - KLN89B installed in radio stack, KA92 installed on top fuselage station 121 switches and annunciators installed in pilots view on center pilots panel.
3. Installed per AC43.13-2A ch2 per 21, 22, 23, ch 3 par 39 (b) & AC20-138.
4. Done IAW FAR 23.1301 & 23.1309.
5. Weight & balance amended & logbook entry made.
6. Approved flight manual supplement provided and Operators Handbook supplied.
7. This is done as a follow on to STC SA00244WI-D.
8. Tested static system & integrated system per FAR 43 App E to 25000 ok.

Revise weight and balance

I hereby certify that the above mentioned equipment has been tested in accordance with available manufactures procedures and found to operate within set limits tested for noise and operation per part 23, and 1309 test ok.

Signed  for Way-Point Avionics, Inc.
PS5D130N

☐ Additional Sheets Are Attached

3 - AUG 1998

24 JUN

24 JUN 1998



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 such violation (Section 901 Federal Aviation Act of 1958).

| | | |
|-------------|--|--|
| 1. Aircraft | Make PIPER | Model PA31R350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N9224Y |
| 2. Owner | Name (As shown on registration certificate) EID-CO CONSTRUCTION | Address (As shown on registration certificate) 1701 32ND AVENUE SOUTH FARGO ND 58103 |

3. For FAA Use Only

The alteration/data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7.

Date

GL-FSDO-21

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 FARGO AERO TECH, INC. 1722 23RD AVENUE N FARGO ND 58102 | B. Kind of Agency | C. Certificate No. PR5R129N |
| | U S Certificated Mechanic | |
| | 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 7-30-98 | Signature of Authorized Individual Emy A. Bobelion |
|-----------------|---|

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 Ftl. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | Repair Station | Person Approved by Transport Canada Airworthiness Group | |

| | | |
|--|--|---|
| Date of Approval or Rejection 7-30-98 | Certificate or Designation No. PR5R129N | Signature of Authorized Individual Emy A. Bobelion |
|--|--|---|

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

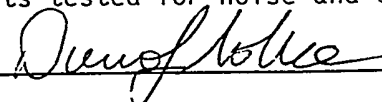
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed sigtronics innercom model SPA-600TS0, S.N.1101386 in lower center dash position. Installed IAW installation and wiring provided with unit. Install head phone jacks in ash tray locations for seat #3, 4, 5, 6. Run multi-stran wiring in side walls as needed. #1, 2 seat mike jacks stay as original locations.

Installation accomplished IAW manufactures data and AC43.13-2A CHA 2, (A) 1-6, 22, 23, 25.

Revise weight and balance

I hereby certify that the above mentioned equipment has been tested in accordance with avialable manufactures procedures and found to operate within set limits tested for noise and operation per part 23. 1301, and 1309 test ok.

Signed  for Way-Point Avionics, Inc.
PS5D130N

☐ 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

GL-21 14

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 PIPER | Model PA31P |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N92244 |
| 2. Owner | Name (As shown on registration certificate) EID-CO | Address (As shown on registration certificate) 1701 32 AV. S FARGO N.D. 58103 |

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 FARGO AERO TECH 1722 23RD AV. N. FARGO N.D. 58102 | 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. PR5R129N |
|---|--|--------------------------------|

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 12-31-99 | Signature of Authorized Individual Emory A. Bobalon |
|------------------|--|

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 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 12-31-99 | | Certificate or Designation No. PR5R129N | Signature of Authorized Individual Emory A. Bobalon | |

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.)

INSTALL J.P.I. ENGINE MONITOR SYSTEM
P.N. 104590 - EOM 7606C, S.N. 2378,
IAW STC SA2586NM, & DATA PROVIDE WITH
INSTALLATION DATA PACKET DATED 6-17-99
REVISE W&B DATA

END

☐ Additional Sheets Are Attached

15 MAR 1998

23 NOV 1998



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

EC 21 JAH

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 PIPER | Model PA31P-350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N9224Y |
| 2. Owner | Name (As shown on registration certificate) EID-CO CONSTRUCTION | Address (As shown on registration certificate) 1701 32ND AVENUE SOUTH FARGO ND 58103 |

The information/data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7.

For FAA Use Only

11/27/98
Date

John C. Kline
GL-FSDO-21

| 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 FARGO AERO TECH, INC. 1722 23RD AVENUE N FARGO ND 58102 | B. Kind of Agency | C. Certificate No. PR5R129N |
| | U.S. Certificated Mechanic | |
| | Foreign Certificated Mechanic | |
| | X Certificated Repair Station | |
| | Manufacturer | |

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 3-9-99 | Signature of Authorized Individual <i>Ernest A. Bobolein</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 Flt. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 3-9-99 | | Certificate or Designation No. PR5R129N | Signature of Authorized Individual <i>Ernest A. Bobolein</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.)

Reinstalled WX-900 stormscope that had been removed. Display mounted in dash, cable run down right side wall, antenna mounted in aft belly, all in previous locations. Install WX-900 display S.N. FNP06302162, WX-900 antenna S.N. FNA06302110. Complete system install IAW BFG stormscope series II weather mapping system, manual 78-8060-6104 (RevB) 4-12-97. All system checked IAW manual check out procedures. Other reference used AC43-13-1A, AC43.13-2A Cha 2, Cha 3, W&B, equipment list updated.

I hereby certify that the above mentioned equipment has been tested in accordance with available manufactures procedures and found to operate within set limits tested for noise and operation per part 23. 1301, and 1309 test ok.

Signed  for Way-Point Avionics, Inc.


PS5D130N

END

☐ Additional Sheets Are Attached

FEB 12 1999

4 FEB 1999

| | | | | | |
|--|--|--|---|--|------------|
|  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 <i>[Signature]</i> | |
| 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 of Federal Aviation Act of 1958). | | | | | |
| 1. Aircraft | | Make Piper Serial No. 31P-8414012 | | Model PA31P-350 Nationality and Registration Mark N9224Y | |
| 2. Owner | | Name (As shown on registration certificate) EID Co. | | Address (As shown on registration certificate) 1701 32 Ave. S. Fargo ND 58103-5936 | |
| The alteration/data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7. | | | | | |
| 2/10/99 Date | | <i>[Signature]</i> GL-FSDO-21 | | | |
| 4. Unit Identification | | | | | 5. Type |
| Unit | Make | Model | Serial No. | Repair | Alteration |
| AIRFRAME | ~~~~~ (As described in Item 1 above) ~~~~~ | | | | XXX |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |
| 6. Conformity Statement | | | | | |
| A. Agency's Name and Address | | B. Kind of Agency | | C. Certificate No. | |
| Aircraft Services 3801 20th St. N Fargo, ND. 58102 | | <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer | | AVRR287C | |
| 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 | | Signature of Authorized Individual | | | |
| 2-10-99 | | <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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA Flt. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) | |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | | |
| Date of Approval or Rejection | | Certificate or Designation No. | Signature of Authorized Individual | | |
| 2-10-99 | | AVRR287C | <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.)

N9224Y Piper PA31P S/N 31P-8414012

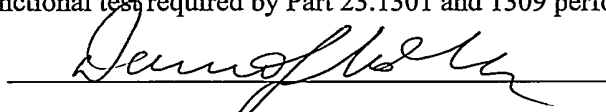
Removed Sigtronics intercom control previously installed per 337 dated 7-9-98 By Fargo Aero Tech.

Installed Gulfcoast GCA-600 intercom control all previously installed wiring reused.

Unit installed in same location. With no structural changes.

Provided equipment list update, weight and balance change negligible.

All wiring and functional test required by Part 23.1301 and 1309 performed by Waypoint Avionics
CRS PS5D103N



END

☐ Additional Sheets are Attached

JUL 18 1998



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

GL 21 JAC

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 PIPER | Model PA31P-350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N9224Y |
| 2. Owner | Name (As shown on registration certificate) | Address (As shown on registration certificate) |
| | Eid-Co Construction | 1701 32nd Avenue S Fargo ND 58103 |

3. For FAA Use Only

The alteration/data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7.

9/14/98 *[Signature]*
Date *GL-FSDO-21*

| 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 FARGO AERO TECH, INC. 1722 23RD AVENUE N FARGO ND 58102 | 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. PR5R129N |
|---|--|--------------------------------|

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 <i>10-2-98</i> | Signature of Authorized Individual <i>Emory A. Babolian</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 <i>10-2-98</i> | | | Certificate or Designation No. <i>PR5R129N</i> | Signature of Authorized Individual <i>Emory A. Babolian</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.

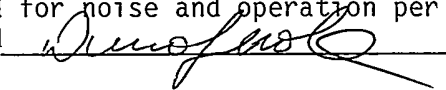
8. Description of Work Accomplished

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

1. Installed KLN89B GPS PN 066-01148-0101 (TSO C129 Class A1), KA92 PN071-01553-0200 (TSO C129), AIS 200-35 relay box, Eaton 582/584 switches/annunciators as follows: King PN 031-00785-0712 Nav/GPS switch/annunciator, PN 031-00785-0762 MSG/WPT annunciator & PN 031-00785-0767 GPS APR/ARM/ACTV switch per mfg installation manual PN006-10522-0001 Rev 1 dated June 1995
2. Locations - KLN89B installed in radio stack, KA92 installed on top fuselage station 121 switches and annunciators installed in pilots view on center pilots panel.
3. Installed per AC43.13-2A ch2 per 21, 22; 23, ch 3 par 39 (b) & AC20-138.
4. Done IAW FAR 23.1301 & 23.1309.
5. Weight & balance amended & logbook entry made.
6. Approved flight manual supplement provided and Operators Handbook supplied.
7. This is done as a follow on to STC SA00244WI-D.
8. Tested static system & integrated system per FAR 43 App E to 25000 ok.

Revise weight and balance

I hereby certify that the above mentioned equipment has been tested in accordance with available manufactures procedures and found to operate within set limits tested for noise and operation per part 23, and 1309 test ok.

Signed  for Way-Point Avionics, Inc.
PS5D130N

☐ 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 <i>WPFS-20-7</i> | |
| 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: <i>PIPER</i> | Model: <i>PA31P-350</i> | | Nationality and Registration Mark <i>N 9224Y</i> | |
| | Serial No.: <i>8414012</i> | | | | |
| 2. Owner | Name (As shown on registration certificate) <i>ARIZONA FLIGHT SCHOOL</i> | | Address (As shown on registration certificate) <i>6501 WILKINSON DR. PRESCOTT, AZ 86301</i> | | |
| | | | | | |
| 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. | |
| <i>ARIZONA FLIGHT SCHOOL 6501 WILKINSON DR. PRESCOTT, AZ 86301</i> | | U.S. Certificated Mechanic | | <i>AFUR013K</i> | |
| | | 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 <i>2-27-92</i> | | 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 FTL Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) | |
| | FAA Designee | Repair Station | Person Approved by Transport Canada Airworthiness Group | | |
| Date of Approval or Rejection <i>2-27-92</i> | | Certificate or Designation No. <i>AFUR013K</i> | 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.)

INSTALLED BRACKETT AIR FILTER ASSY
P/N-BA3310, 1AW STC-SA714L, SUP. 1.
ON BOTH ENGINES.

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 7-17-91

RECEIVED

NOV 9 1984

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
AT GADO
4-0-04

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.

| | | |
|-------------|---|--|
| 1. AIRCRAFT | MAKE PIPER | MODEL MOJAVE PA31P-350 |
| | SERIAL NO. 31P-8414012 | NATIONALITY AND REGISTRATION MARK USA N9224Y |
| 2. OWNER | NAME (As shown on registration certificate) SYSTEMS RESEARCH CORPORATION | ADDRESS (As shown on registration certificate) 4535 W. Sahara Ave. Ste. 105-3B Las Vegas, NV 89102 |

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

| UNIT | MAKE | MODEL | SERIAL NO. | 5. TYPE | |
|------------|--|-------|------------|---------|------------|
| | | | | REPAIR | ALTERATION |
| AIRFRAME | ***** (As described in item 1 above) ***** | | | | XX |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | TYPE | | | | |
| | MANUFACTURER | | | | |

6. CONFORMITY STATEMENT

| | | |
|--|--|--|
| A. AGENCY'S NAME AND ADDRESS EXECUTIVE WINGS, INC. 4985 E. Anderson Ave. Fresno, CA 93727 | B. KIND OF AGENCY U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER | C. CERTIFICATE NO. CIR 404-20 Airframe Class II Radio Class I and II Limited: Dme, Transponder, Autopilot |
|--|--|--|

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 06, 1984 | SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Robert W. Bagley</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 FLT. STANDARDS INSPECTOR | MANUFACTURER | INSPECTION AUTHORIZATION | OTHER (Specify) |
| | FAA DESIGNEE | XX REPAIR STATION | CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT | |
| DATE OF APPROVAL OR REJECTION 11-06-84 | CERTIFICATE OR DESIGNATION NO. 404-20 | SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Robert W. Bagley</i> | | |

FAA Form 337 (7-67)

(8320)

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 the following equipment:

1. Installed King KGR-356 Radar Graphics Unit.

The KGR-356 was installed in the center instrument panel.

All work was performed in accordance with AC43.13-1A Chapter 11; AC43.13-2A Chapters 1 and 2 and manufacturers installation manual.

An electrical load analysis was performed and it was determined that the maximum continuous electrical load does not exceed 80% of the combined rated alternator output.

New weight and balance data was computed and the results entered in the aircraft logbook.

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

☐ ADDITIONAL SHEETS ARE ATTACHED

| 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 | 2. AIRCRAFT BUILDER'S NAME (make) | 3. AIRCRAFT MODEL DESIGNATION | 4. YR. MFG. | FAA CODING | | |
| | N9224Y | Piper | PA-31P-350 | 1983 | 7163111 | | |
| | 5. AIRCRAFT SERIAL NO. | 6. ENGINE BUILDER'S NAME (make) | 7. ENGINE MODEL DESIGNATION | 41533 | | | |
| | 31P-8414012 | Lycoming | TIO-540-V2AD | | | | |
| II. CERTIFICATION REQUESTED | 8. NUMBER OF ENGINES | 9. PROPELLER BUILDER'S NAME (make) | 10. PROPELLER MODEL DESIGNATION | 11. AIRCRAFT IS: | | | |
| | Two | Hartzell | HC-13YR-2UF/FC7854K | NEW <input checked="" type="checkbox"/> USED <input type="checkbox"/> IMPORT <input type="checkbox"/> | | | |
| | APPLICATION IS HEREBY MADE FOR: (Check applicable items) | | | | | | |
| | A <input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERT. (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 | | | | | | |
| III. OWNER'S CERTIFICATION | B <input type="checkbox"/> SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items) | | | | | | |
| | 2. LIMITED | | | | | | |
| | 5. PROVISIONAL (Indicate class): | | | | | | |
| | 3. RESTRICTED (Indicate operation(s) to be conducted): | | | | | | |
| | 4. EXPERIMENTAL (Indicate operation(s) to be conducted): | | | | | | |
| | 8. 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 appropriate Restricted Operation and Standard or Limited as applicable above) | | | | | | |
| | A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) IF DEALER, CHECK HERE <input checked="" type="checkbox"/> XX | | | | | | |
| | NAME Piper Aircraft Corporation ADDRESS Lock Haven, Pennsylvania 17745 | | | | | | |
| | B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) | | | | | | |
| AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) ABEA Rev. 17 | | | | | | | |
| AIRCRAFT LISTING (Give page No(s.)) N/A | | | | | | | |
| C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS | | | | | | | |
| CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173 <input checked="" type="checkbox"/> TOTAL AIRFRAME HOURS— 0000000000000000 0 | | | | | | | |
| EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed <input type="checkbox"/> 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 July 29, 1983 NAME AND TITLE (Print or type) Paul Demko, Jr. SIGNATURE Paul Demko | | | | | | | |
| A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies) | | | | | | | |
| 2. FAR PART 121 OF 127 CERTIFICATE HOLDER (Give Certificate No.) 3. CERTIFICATED MECHANIC (Give Certificate No.) 6. CERTIFICATED REPAIR STATION (Give Certificate No.) | | | | | | | |
| 5. AIRCRAFT MANUFACTURER (Give Name of Firm) | | | | | | | |
| DATE TITLE SIGNATURE | | | | | | | |
| (Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: <input checked="" type="checkbox"/> The certification requested, or <input type="checkbox"/> Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: <input type="checkbox"/> FAA Inspector; certificate holder under <input type="checkbox"/> FAR 65, <input type="checkbox"/> FAR 121 or 127, or <input type="checkbox"/> FAR 145. | | | | | | | |
| DATE DISTRICT OFFICE DESIGNER'S SIGNATURE AND NO. FAA INSPECTOR'S SIGNATURE | | | | | | | |
| 8-4-83 ANE-MIDO #81 Charles Hunter, Jr. D.M.I.R. AEA-1536 | | | | | | | |

FAA AIRCRAFT REGISTRY

CAMERA NO. 3 DATE: 7-17-90

| | | | | |
|--|--|--|--------------------------------|----------|
| 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 | | | |
| VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS: | | | |
| | DATE OF APPLICATION | | NAME AND TITLE (Print or type) | |
| | | | SIGNATURE | |
| | A. DESCRIPTION OF AIRCRAFT | | | |
| | REGISTERED OWNER | | ADDRESS | |
| | BUILDER (Make) | | 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 301 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 checked="" type="checkbox"/> G. Statement of Conformity, FAA Form 317 (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 FAR _____ CAR _____ (Original attached) | | |
| | <input checked="" type="checkbox"/> D. Current Weight and Balance Information Available in Aircraft | <input type="checkbox"/> J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183(b) _____ (Copy attached) | | |
| | <input type="checkbox"/> E. Major Repair and Alteration, FAA 337 (Attach when required) | | | |
| | <input checked="" type="checkbox"/> F. This Inspection Recorded in Aircraft Records | | | |

FAA AIRCRAFT REGISTRY

CAMERA NO. 3 DATE: 7-17-90

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

1. NATIONALITY AND
REGISTRATION MARKS

N9224Y

2. MANUFACTURER AND MODEL

Piper PA-31P-350

3. AIRCRAFT SERIAL
NUMBER

31P-8414012

4. CATEGORY

NORMAL

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 B 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

5-4-83

FAA REPRESENTATIVE

Charles Hunter, Jr.

DESIGNATION NUMBER

DMIR AEA-1536

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 Form 8100-2 (7-57) FORMERLY FAA FORM 1362

U.S. Government Printing Office : 1976-475-326

FAA AIRCRAFT REGISTRY

CAMERA NO. 3 DATE: 7-17-90



UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
STATEMENT OF CONFORMITYForm Approved Budget
Bureau No. 04-R0146

SECTION I - AIRCRAFT

| | |
|------------------------------|-------------------------------|
| 1. MAKE Piper | 2. MODEL PA-31P-350 |
| 3. SERIAL NO. 31P-8414012 | 4. REGISTRATION NO. N9224Y |

SECTION II - ENGINE

| | |
|---------------|----------|
| 1. MAKE | 2. MODEL |
| 3. SERIAL NO. | |

SECTION III - PROPELLER

| | |
|----------------------|-------------------|
| 1. MAKE | 2. HUB MODEL |
| 2. BLADE MODEL | 4. HUB SERIAL NO. |
| 5. BLADE SERIAL NOS. | |

SECTION IV - CERTIFICATION

I hereby certify that:

- ☐ A. I have complied with Section 21.33(a).
- ☒ B. The aircraft described above, produced under type certificate only (FAR 21 Subpart F), conforms to its type certificate, is in a condition for safe operation, and was flight checked on 8-4-83 (Date)
- ☐ C. The engine or propeller described above, presented herewith for type certification, conforms to the type design therefor.
- ☐ D. The engine or propeller described above produced under type certificate only (FAR 21 Subpart F), conforms to its type certificate and is in a condition for safe operation. The engine or, if applicable, the variable pitch propeller was subjected by the manufacturer to a final operational check on _____ (Date)

Deviations:

| | |
|--|--------------------------------------|
| SIGNATURE OF CERTIFIER Ralph L. Best <i>Ralph L. Best</i> | TITLE Director, Quality Assurance |
| ORGANIZATION Piper Aircraft Corporation | DATE 8-4-83 |

INSTRUCTIONS

This form should be submitted to a representative of the Administrator under the following circumstances:

1. By the applicant for a type certificate or a supplemental type certificate at the time he presents an aircraft or parts thereof to the FAA for tests.
2. By the applicant for a type certificate or a supplemental type certificate for each engine or propeller submitted for type certification.
3. By the type certificate holder or licensee manufacturing products under a type certificate only, upon the initial transfer by him of the ownership of each product or upon application for the original issue of an aircraft airworthiness certificate, or an Airworthiness Approval Tag (FAA Form 186).

This form should be completed as follows:

Section I. Aircraft. Complete the pertinent part of only this section when certification covers an aircraft or part thereof.

Section II. Engine. Complete this section when certification covers an engine.

Section III. Propeller. Complete this section when certification covers a propeller.

Section IV. Certification.

Item A. Check this block when an aircraft or part thereof is presented for flight or ground tests during type certification or supplemental type certification.

Item B. Check this block when the holder or licensee of a type certificate only, initially transfers the ownership of an aircraft manufactured under that type certificate, or applies for the original issuance of an airworthiness certificate.

Item C. Check this block when an engine or propeller is presented for type certification.

Item D. Check this block when an engine or propeller is presented for airworthiness approval and insert the date the product completed a final operational check.

The certification must be signed by an authorized person who holds a responsible position in the manufacturing organization.

MAY 13 2002

RECEIVED



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

GL-21119

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 | Model |
| | Piper | PA31P-350 |
| 2. Owner | Serial No. | Nationality and Registration Mark |
| | 31P-8414012 | N 9224Y |
| 2. Owner | Name (As shown on registration certificate) | Address (As shown on registration certificate) |
| | Eid-Co | 1701 32nd Av S Fargo, ND 58102 |

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 | Lycoming | LT10-540-V2AD | L-2804-68A | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|--|---|--------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Fargo Aero Tech 1722 23rd Av N Fargo, ND 58102 | <input type="checkbox"/> U.S. Certificated Mechanic | PR5R129N |
| | <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 | Signature of Authorized Individual |
| 4-29-2002 | Emory A. Bobolian |

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 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 | | Certificate or Designation No. | Signature of Authorized Individual | |
| 4-29-2002 | | PR5R129N | Emory A. Bobolian | |

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 6 Textron Lycoming fuel nozzles P/N LW18182 and installed General Aviation Modifications, Inc. turboGAMjector Kit No. GLVT20 S/N 9175 STC No. SE09445SC per turboGAMjector Installation Procedure No. IP-98-002 (Rev D), dated August 11, 1998. No change in weight and balance.

-----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

56-21 184

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 Piper | Model PA31P-350 |
| | Serial No. 31P-8414012 | Nationality and Registration Mark N 9224Y |
| 2. Owner | Name (As shown on registration certificate) Eid-Co | Address (As shown on registration certificate) 1701 32nd Av S Fargo, ND 58102 |

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 | Lycoming | TIO-540-V2AD | L-8460-61A | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|--|--|--------------------------------|
| A. Agency's Name and Address Fargo Aero Tech 1722 23rd Av N Fargo, ND 58102 | 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. PR5R129N |
|--|--|--------------------------------|

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 4-29-02 | Signature of Authorized Individual Emory A. Babolian |
|-----------------|---|

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 4-29-2002 | | Certificate or Designation No. PR5R129N | Signature of Authorized Individual Emory A. Babolian | |

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 6 Textron Lycoming fuel nozzles P/N LW18182 and installed General Aviation Modifications, Inc. turboGAMIjector Kit No. GLVT20 S/N 9174 STC No. SE09445SC per turboGAMIjector Installation Procedure, No. IP-98-002 (Rev D), dated August 11, 1998. No change in weight and balance.

----- END -----

☐ Additional Sheets Are Attached