U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved OMB No.2120-0020 Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 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: USA N1042U	Serial No.: 34-7250026
	Make: PIPER	Model: PA-34-200 / Series:
2. Owner	Name (As shown on registration certificate): SKYFLYT INC	Address (As shown on registration certificate): Address 1261 FAIRLAKE TRCE APT 109; City WESTON State FLORIDA; Zip 33326-2815 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	**AIRFRAME**	—	*(As described in item 1 above)*	—
☐	☐	**POWERPLANT**			
☐	☐	**PROPELLER**			
☐	☐	**APPLIANCE**	Type / Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name: ALCA AVIONICS INC
Address: 14300 SW 129TH ST STE 101
City: MIAMI State: FL
Zip: 33186 Country: USA

B. Kind of Agency

- ☐ U.S. Certificated Mechanic
- ☐ Foreign Certificated Mechanic
- ☒ Certificated Repair Station
- ☐ Certificated Maintenance Organization
- ☐ Manufacturer

C. Certificate No.: L3CR595J

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 ☐

Signature/Date of Authorized Individual: RODOLFO E. CAMPO 06/07/2023

7. Approval for Return To Service

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

BY								
		FAA Flt. Standards Inspector		Manufacturer		Maintenance Organization		Persons Appoved by Canadian Department of Transport
		FAA Designee	X	Repair Station		Inspection Authorization	Other	*(Specify)*

Certificate or Designation No.: L3CR595J

Signature/Date of Authorized Individual: RODOLFO CAMPO 06/07/2023

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.)

Nationality and Registration Mark	Date
USA N1042U	06/07/2023

REMOVED THE FOLLOWING EQUIPMENT:

KMA 20 PN 066-1024-03 SN 31717 WT 2.30 LBS AT FS 65.20

AA80-060 PN AA80-060 SN 10001 WT 0.50 LBS AT FS 63.00
KX-170B PN 069-1020-00 SN 29679 WT 7.50 LBS AT FS 61.60
KT-76 PN 066-1034-01 SN 36312 WT 3.10 LBS AT FS 63.10
KA-92 ANTENNA PN 071-01553-0200 SN 52028 WT 0.30 LBS AT FS 85.00

INSTALLED THE FOLLOWING EQUIPMENT:

GPS 175 PN 011-04377-00 SN 5GH003125 WT 1.90 LBS AT FS 60.69 and GA35 WAAS ANTENNA PN 013-00235-00 SN 225383

WT 0.47 LBS AT FS 85.00 as per Garmin GPS 175 Part 23 AML STC Installation Manual PN 190-02207-A1 Rev. 9, of May 2023 FOR STC SA02636SE

TX 56A NAV/COM PN 01955-00-01 SN 00464 WT 2.78 LBS AT FS 58.83 as per TRIG TX56/56A and TX57/57A Installation Manual PN 01776-00-01-AD of April 05, 2022.
GI-106A PN 013-00094-01 SN J04-10194 WT 1.25 LBS AT FS 61.10 as per MidContinent Installation Manual and Operating Instructions PN 8017702 Rev-D of 11/21/2013.
GMA-340 PN 011-00401-10 SN 96258143 WT 1.70 LBS AT FS 59.90 as per Garmin GMA340 Install Manual PN 190-00149-01 Rev-L of Jun/2003.
GTX 328 PN 011-01684-00 SN 13K013784 WT 4.20 LBS AT FS 58.10 as per Garmin GTX 328 Transponder Installation Manual PN 190-00420-04 Rev-G of November 2018.

THE INSTALLATION CONFORMS TO THE ACCEPTABLE METHODS, TECHNIQUES AND PRACTICES CONTAINED IN AC 43.13-1B CHAPTER 7 SECTION 2-7 WHERE APPLICABLE. CHAPTER 11 SECTION 3 THRU 17 WHERE APPLICABLE AND 27.

POST INSTALLATION CHECKS WERE PERFORMED IN ACCORDANCE WITH GARMIN INSTALLATION MANUAL. THE EQUIPMENT INSTALLED CAUSES NO INTERFERENCE TO ANY OTHER EQUIPMENT INSTALLED IN THE AIRCRAFT.

THE LOAD OF THE EQUIPMENT INSTALLED AND THE CONTINUOS ELECTRICAL LOAD AS COMPUTED DOES NOT EXCEED 80% OF THE TOTAL AIRCRAFT GENERATOR CAPACITY.

LOGBOOK ENTRY WAS MADE. THE WEIGHT AND BALANCE WAS COMPUTED AND AFMS WERE GIVEN TO THE OPERATOR.

==========END==========

☐ Additional Sheets Are Attached

FAA

US Department of Transportation
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark: N1042U	Serial No.: 34-7250026	
	Make: PIPER	Model: PA34-200	Series:
2. Owner	Name *(As shown on registration certificate)*: Peter Joachim	Address *(As shown on registration certificate)*: Address 7575 N Port Washington Road; City Milwaukee; State WI; Zip 53217; Country	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	—	*(As described in Item 1 above)*	—
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type / Manufacturer		

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	
Name: Wisconsin Aviation - Four Lakes, Inc	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address: 3632 Corben Court	☐ Foreign Certificated Mechanic	C. Certificate No.
City: Madison State: WI	☒ Certificated Repair Station	DBKR124D
Zip: 53704 Country:	☐ 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 ☐

Signature/Date of Authorized Individual: December 4, 2019 James Jordan

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	X	Repair Station		Inspection Authorization		Other *(Specify)*

Certificate or Designation No.: DBKR124D

Signature/Date of Authorized Individual: December 4, 2019 James Jordan

FAA Form 337 (10-06)

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.)

N1042U	12/04/2019
Nationality and Registration Mark	Date

This FAA Form 337 records the installation of an Automatic Dependent Surveillance-Broadcast OUT system. The system was installed in accordance with STC SA04427CH and complies with the requirements of AFS-360-2017-1. Replaced existing rear white position light with uAvionix tail Beacon assembly, Part # UAV-1002183-001 in accordance with tail Beacon STC Installation Guide, Document # UAV-1002514-001. Used existing position light circuit and confirmed appropriate per AC43.13-1B Chapter 11, Section 5&6.

Existing rear position light wiring was terminated to the tail Beacon position light wire (red wire) using environmental splice (Part # UAV-1001487-001 or equivalent). Tail Beacon ground wire (black wire) was terminated to airframe structure or ground wire as appropriate.

Configuration of the tail Beacon was performed with the following data:
Anonymous Mode Off
Call Sign: N1042U
ICAO Number: A01641
Vso: 55
ADS-B In Capability: 978 mHZ in
Position Light: On
Emitter Type: Light
Aircraft Length: 15
Aircraft Width: 23
GPS Antenna Offset (Lateral): 8 meter
GPS Antenna Offset (Longitudinal): 0

1. Placard installed next to position light switch.
2. tail Beacon Instructions for Continued Airworthiness uAvionix Document # UAV-1002513-001
3. tail Beacon Flight Manual Supplement: uAvionix Document # UAV-1002512-001
4. Airworthiness Limitations: No additional Airworthiness Limitations.
5. Change to Weight and Balance is negligible. Equipment list was revised
6. If installed on a moving control surface, specific attention must be paid to proper balance. Refer to the Manufacturer's Service Manual to determine if balancing is required and for balancing instructions.
7. The above modification was found not to interfere with other installed systems and/or modifications and does not exceed 80% of generator output. No adverse interference to radios and navigation systems from RFI was found while operating the tail Beacon during the configuration process.
8. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227.

This installtion meets the requirements of FAA Policy No AFS360_2006-03-02, and technical peper AFS-360-.2017-1.
---end---

☐ Additional Sheets Are Attached

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

Application for Export Certificate of Airworthiness

Form approved.
Budget Bureau No. 04-R0059

EXPORT CERTIFICATE NO.
E 153316

INSTRUCTIONS.—This application is to be submitted to an authorized FAA representative (one copy) when the product(s) to be exported is (are) presented for inspection. Use Part I for Class I products and Part II for Class II. For complete aircraft execute items 1 through 11 as applicable. For engines and propellers, omit items 5A and 6. Part III is for FAA use only.

PART I

1. APPLICATION IS MADE FOR AN EXPORT CERTIFICATE OF AIRWORTHINESS TO COVER THE PRODUCT(S) DESCRIBED BELOW, WHICH IS (ARE): ☐ NEW ☒ USED *(Aircraft)* ☐ NEWLY OVERHAULED

2. NAME AND ADDRESS OF EXPORTER	3. NAME AND ADDRESS OF FOREIGN PURCHASER	4. COUNTRY OF DESTINATION
Robertson Aircraft Corporation 839 W. Perimeter Road Renton, Washington 98055	Finlay Navigation Limited Suite 901, 299 Victoria Street Prince George, B. C.	Canada

5. DESCRIPTION OF PRODUCT(S)

TYPE	MAKE AND MODEL	IDENTIFICATION NO.	SERIAL NUMBERS	FAA SPEC. NO.	OPERATING TIME *(Hours)* SINCE OVERHAUL	OPERATING TIME *(Hours)* TOTAL
a. AIRCRAFT	Piper PA34-200	C-GJHK	34-7250026	A7SO	-	1478
b. ENGINES	Lycoming R - LIO-360-C1E6 L - IO-360-C1E6		 L - 145-67A L - 8346-51A	 1E10 1E10	 10 10	 1478 1478
c. PROPELLERS	Hartzell R - HC-C2YK-2CLEF L - HC-C2YK-2-CEF		 AU 3012 AU 3013	 P-920 P-920	 418 31	 1478 1478

6. THE AIRCRAFT WAS GIVEN A SATISFACTORY FLIGHT TEST ON N/A *(Date)*

7. DOES THE PRODUCT COMPLY WITH ALL APPLICABLE FEDERAL AVIATION REGULATIONS, AIRWORTHINESS DIRECTIVES, AND OTHER FAA REQUIREMENTS? ☒ YES ☐ NO *(Explain in "Remarks")*

8. HAVE APPLICABLE SPECIAL REQUIREMENTS OF THE IMPORTING COUNTRY BEEN COMPLIED WITH? ☒ YES ☐ NO *(Explain in "Remarks")*

9. HAS PROPER PREVENTATIVE TREATMENT BEEN APPLIED TO PRODUCTS SUSCEPTIBLE TO RAPID CORROSION WHEN BEING SHIPPED? ☐ YES ☐ NO N/A Flyaway

10. REMARKS

11. EXPORTER'S CERTIFICATION

The undersigned certifies that the above statements are true and that the product(s) described herein is (are) airworthy and in condition for safe operation except as may be noted under item 10 "Remarks," above.

9-21-77 *(Date)* *(Signature of Applicant or Authorized Representative)* V.P. Marketing *(Title)*

FAA Form 8130-1 (6-69)

PART II

12. APPLICATION IS MADE FOR APPROVAL OF AERONAUTICAL PARTS FOR EXPORT AS INDICATED BELOW:

13. NAME AND ADDRESS OF EXPORTER	14. NAME AND ADDRESS OF FOREIGN PURCHASER	15. COUNTRY OF DESTINATION

16. PARTS ARE ELIGIBLE FOR INSTALLATION ON _____ (Make and Model Class I Product) _____ (FAA Spec. No.)

17. THE PARTS ARE (*check one*): ☐ NEW ☐ NEWLY OVERHAULED

18. THE PARTS ARE DESCRIBED (*check one*):

☐ By Name, Part Number, and Quantity on the attached Invoice or Packing Sheet No. _____

☐ Below by Name, Part Number, and Quantity.

19. **EXPORTER'S CERTIFICATION**

I certify that the foregoing statements are true and that the parts described herein are airworthy and conform to FAA approved design data.

_____ (Date) _____ (Signature of Applicant or Authorized Representative) _____ (Title)

PART III—APPROVAL (FOR FAA USE ONLY)

20. IT IS CONSIDERED THAT THE PRODUCT(S) DESCRIBED IN 1 (Part I or II) IS (ARE) AIRWORTHY AND CONFORM(S) TO PERTINENT REQUIREMENTS EXCEPT AS NOTED IN ITEM 10.

Alan Butterworth
Alan Butterworth (Signature) NW-FSDO-61 (Number) 9-21-77 (Date)

Check One: ☐ DMIR ☐ DELEGATION OPTION MFR. ☒ FAA INSPECTOR

21. _____ (Quantity) APPROVAL TAGS, FORMS FAA 8130-3, WERE ISSUED FOR THE PARTS DESCRIBED IN PART II.

22. EXPORT FILE SPOT-CHECKED BY:

_____ (FAA Supervising Inspector) NW-FSDO-61 (D. O. No.) 9-21-77 (Date)

☆U. S. GOVERNMENT PRINTING OFFICE: 1974—773-429/199/7

The United States of America
Department of Transportation
Federal Aviation Administration

No. E153316

Washington, D.C.

Export Certificate of Airworthiness

This certifies *that the product identified below and more particularly described in Specification (s)*[1] *of the Federal Aviation Administration, Numbered* A7SO, 1E10 & P-920 *has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.*

Product: Aircraft

Manufacturer: Piper

Model: PA34-200

Serial No.: 34-7250026

New ☐ *Newly Overhauled* ☐

Used Aircraft ☒

Country to which exported: Canada

Exceptions: None

ENGINES INSTALLED

Lycoming
P/N Right - LIO-360-C1E6
P/N Left - IO-360-C1E6

S/N Right - L-145-67A
S/N Left - L-8346-51A

PROPELLERS INSTALLED

Hartzell
P/N Right - HC-C2YK-2CLEF
P/N Left - HC-C2YK-2-CEF

S/n Right - AU3012
S/N Left - AU3013

Foreign Purchaser: Finlay Navigation Limited
Suite 901, 299 Victoria Street
Prince George, B. C.
Canada

Alan Butterworth

Alan Butterworth
Signature of Authorized Representative

9-21-77
Date

NW-FSDO-61
District Office or Designee Number

[1] *For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.*

U.S. GOVERNMENT PRINTING OFFICE : 1968 O—315-947

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N1042U	Piper PA 34-200	34-7250026	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 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 REPRESENTATIVE	DESIGNATION NUMBER
OCT 25 1971	Jimmie A. Lanfair JIMMIE A. LANFAIR	DOA SO-1

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.

DOMESTIC SERVICE	
Check the class of service desired; otherwise this message will be sent as a fast telegram	
TELEGRAM	
DAY LETTER	
NIGHT LETTER	

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S
E

WESTERN UNION
TELEGRAM

1206 (4-55)

W. P. MARSHALL, PRESIDENT

INTERNATIONAL SERVICE	
Check the class of service desired, otherwise the message will be sent at the full rate	
FULL RATE	
LETTER TELEGRAM	
SHORE SHIP	

NO. WDS.	CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	TIME FILED

Send the following message, subject to the terms on back hereof, which are hereby agreed to

9-21-77

REGIONAL DIRECTOR, PACIFIC AIR SERVICES REGION
DEPARTMENT OF TRANSPORTATION
739 WEST HASTINGS STREET
VANCOUVER 1, B. C., CANADA

EXPORT CERTIFICATE OF AIRWORTHINESS E 153316 COVERING Piper PA34-200

SERIAL NUMBER 34-7250026 ASSIGNED CANADIAN IDENTIFICATION MARKINGS C-GJHK

PURCHASED BY Finlay Navigation Limited, Suite 901, 299 Victoria Street, Prince George, B. C., Canada

_____ BEING PREPARED.

Alan Butterworth
Alan Butterworth
FAA INSPECTOR

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 RL

Office Identification
NM07-SLC-FSDO

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: Piper	Model: PA34-200
	Serial No.: 34-7250026	Nationality and Registration Mark: N1042U
2. Owner	Name *(As shown on registration certificate)*: JAMES B. WHITE Jr.	Address *(As shown on registration certificate)*: P.O. BOX 8083 MARYSVILLE CA. 95901-8402

3. For FAA Use Only

The technical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity inspection by a person in § 43.7.

Inspector, NM-FSDO-07 — Date: 29 JUN 2004

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.
HUY BUI 8915 SOUTH MOUNTAIN VISTA DR. WEST JORDAN, UT. 84088	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	646243821 A/P

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: 6/9/2004

Signature of Authorized Individual: HUY BUI

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	X	Inspection Authorization	Other *(Specify)*
	FAA Designee		Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
7-2-04	548347701	

FAA Form 337 (12-88)

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 Bendix/King KMD 150 GPS moving map display at an arm of 64.4 inches, weight at 3.0 lbs.

The Bendix/King KMD 150 GPS moving map display has been previously approved by STC number SA00819 WI-D. This installation was accomplished IAW Bendix/King KMD 150 installation manual number 006-10607-0000, revision 0, dated November, 1999. The KMD 150 is mounted in a manufacturer provided mounting tray using manufacturer provided mounting hardware located in the Avionics stack. Circuit protection is provided through a 5 amp Potter & Brumfield circuit breaker and labeled "GPS" located in the circuit breaker panel.

Installed rear suppport from the rear of the KMD 150 mounting tray to the top of the dash consisiting of a 2.0 inches wide support strap fabricated from 2024T-3 .32" aluminum to add strength to the installation.

Installed a KA 92 GPS antenna IAW the KMD 150 manual. The antenna was mounted on top of the aircraft fuselage at an arm of 85.0 inches, weight of .3 lbs and utilizes a doubler fabricated from 2024T-3 .032" aluminum and attached to the structure stringer with the existing rivet holes.

Power is supplied by the radio DC bus. Total current does not exceed recommended load as computed in the reference to the Aircraft maintenance manual. Wire used was Aircraft grade mil spec MIL-W-22759/16, MIL-DTL-27500/18 coax cable RG-400.

The equipment was installed in a manner that will not interfere with or adversely effect the safe operation of the aircraft.

Installation was accomplished IAW AC43.13-1B Chapters 4,7,10,11,12, AC43.13-2A change 2, Chapters 1, 2, and 3 para 36., 38.b., & 39.b., 14CFR part 23, subpart F; and AC20-138 para. 7.b. for GPS installations.

Placard stating "GPS limited to VFR ONLY" installed on instrument panel.

Ground and flight tests were performed and all systems checked operational per manufacture's specifications and AC20-138 para 7.c.(2).

Aircraft weight and balance and equipment list were updated to reflect the changes made. The Bendix.King KMD 150 pilots Guide p/n 006-018220-0000 rev. 2 dated Oct.2002 was placed in the Aircraft.

☒ Additional Sheets Are Attached

NOTICE

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

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

N 1042U 6/9/2004

1.0 Introduction:These instructions for continued Airworthiness contain neccessay information for carrying out the ongoing maintenance and inspections of the KMD 150 installation described above.

2.0 Bendix/King Description: Bendix/king KMD 150 installed per this FAA Form 337.

3.0 Operation information: Operation Information is contained in the Pilots Guide referenced above.

4.0 Servicing information: To be serviced by the manufacturer or any properly certified repair station or mechanic.

5.0 Maintenance Instructons: Continued Airworthiness for the Bendix/King KMD 150 is contingent upon compliance with the annual and 100 hour inspection requirements as contained in 14 CFR 43 Apdx, D para (i). This includes inspecting the unit to assure it is securely fastened and supported in its location, the wiring harness is secure and not chaffed or pinched, the antenna is secure and attaching structure is undamaged, and the system functions properly.

6.0 Troubleshooting Information: See the Installation manual referenced above.

7.0 Removal and Replacement information: Removal and Replacement information is contained in the installation manual referenced above.

8.0 Diagrams: Contained in the installation manual referenced above.

9.0 Special instructions Requirements: N/A

10.0 Application of protective Treatments: Remove the receiver, cap and seal connectors and protect wiring prior to application of protective treatments.

11.0 Data: Reference this FAA Form 337.

12.0 List of special tools: Refer to the installation manual referenced above.

13.0 For Commuter Category: N/A

14.0 Recommended Overhaul Periods: N/A

[x] Additional Sheets Are Attached

NOTICE

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

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

N 1042U 6/9/2004

15.0 Airworthiness Liimitations: No Additional Airworthiness Limitations.

16.0 Revisions: This document may be revised by submitting a letter to the local FSDO with the revised FAA Form 337 and revised instructions for continued Airworthiness.

——————————NOTHING FOLLOWS——————————

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1-4-94

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N1042U	Piper PA 34-200	34-7250026	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 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 REPRESENTATIVE	DESIGNATION NUMBER
11-10-93	Jackson A. Shaw Jackson A. Shaw	FAADAR WP505007

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 (7-67) FORMERLY FAA FORM 1362

U.S. Government Printing Office — 1976-675-526

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1-4-94

FAA AIRCRAFT REGISTRY
CAMERA NO. 1 DATE: 1/28/93

RECEIVED
MAR 05 1976
NW-FSDO-61

195-B

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
NW-FSDO-61

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: PA-34-200
	SERIAL NO.: 34-7250026	NATIONALITY AND REGISTRATION MARK: N1042U
2. OWNER	NAME (As shown on registration certificate): Ralph W. Hubbard, Jr., M.D.	ADDRESS (As shown on registration certificate): 25 S.W. 11th. Ontario, Oregon 97914

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	B. KIND OF AGENCY	C. CERTIFICATE NO.
Robertson Aircraft Corporation 839 West Perimeter Road Renton, Washington 98055	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	415-23

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 25, 1976

SIGNATURE OF AUTHORIZED INDIVIDUAL: David M. Davis
David M. Davis - Inspector

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 XX 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	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
3/3/76	ARS 415-23	David M. Davis David M. Davis - Chief Inspector

FAA Form 337 (7-67) (8320)

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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.)*

Robertson Safety and Performance System including full span flaps and Spoiler System installed in accordance with Robertson Aircraft Corporation approved Drawing List 27. Approved by STC SA154NW, dated 4-29-75.

Weight Increase 30 Lbs. at 129 Inches.

Tach Time Hour Meter 15823 Hours.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

★1975-G.P.O.-1703-M/673-200/175

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The information normally furnished in Section VIII is on file as part of the historical inspection record at Piper Aircraft Corporation. Current Airworthiness Certificate issued I/A/W FAR 21.183(a) PER 21.273.

Typed by #39

Form Approved
Budget Bureau No. 04-R0058

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: N1042U	2. AIRCRAFT BUILDER'S NAME (make): Piper	3. AIRCRAFT MODEL DESIGNATION: PA 34-200	4. YR. MFG.: 1971
5. AIRCRAFT SERIAL NO.: 34-7250026	6. ENGINE BUILDER'S NAME (make): Lycoming	7. ENGINE MODEL DESIGNATION: IO-360-C1E6/LIO-360-C1E6	FAA CODING: 710340 5 / 41515
8. NUMBER OF ENGINES: Two	9. PROPELLER BUILDER'S NAME (make): Hartzell	10. PROPELLER MODEL DESIGNATION: HC-C2YK-2CE/HC-C2YK-2CLE	11. AIRCRAFT IS: [X] NEW [ ] USED [ ] IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A. [1] [X] STANDARD AIRWORTHINESS CERT. (Indicate category) [X] NORMAL [ ] UTILITY [ ] ACROBATIC [ ] TRANSPORT [ ] GLIDER [ ] BALLOON

B. [2] SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

- [2] LIMITED
- [5] PROVISIONAL (Indicate class)
  - [1] CLASS I
  - [2] CLASS II
- [3] RESTRICTED (Indicate operation(s) to be conducted)
  - [1] AGRICULTURE & PEST CONTROL [2] AERIAL SURVEYING [3] AERIAL ADVERTISING
  - [4] FOREST (Wild life conservation) [5] PATROLLING [6] WEATHER CONTROL
  - [0] OTHER (Specify)
- [4] EXPERIMENTAL (Indicate operation(s) to be conducted)
  - [1] RESEARCH AND DEVELOPMENT [2] AMATEUR BUILT [3] EXHIBITION
  - [4] RACING [5] CREW TRAINING [6] MKT. SURVEY
  - [0] TO SHOW COMPLIANCE WITH FAR
- [8] SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side)
  - [1] FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE
  - [2] EVACUATE FROM AREA OF IMPENDING DANGER
  - [3] OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT
  - [4] DELIVERING OR EXPORT [5] PRODUCTION FLIGHT TESTING

C. [6] MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) IF DEALER, CHECK HERE → [X]

NAME: Piper Aircraft Corporation
ADDRESS: P.O. Box 1328, Vero Beach, Florida 32960

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

[X] AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): A7SO Rev 1
[X] AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 71-21-11
[ ] AIRCRAFT LISTING (Give page No(s).)
[ ] SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

[X] CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173
TOTAL AIRFRAME HOURS—Enter for used aircraft only
[3] EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed

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	NAME AND TITLE (Print or type)	SIGNATURE
10-21-71	V. J. Montuoro Agent	V. J. Montuoro

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.)

[2] FAR PART 121 OR 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

V. FAA REPRESENTATIVE CERTIFICATION

I have inspected the aircraft described in Item I or VII and find it meets the requirements for:

[X] A. STANDARD AIRWORTHINESS CERTIFICATE B. SPECIAL AIRWORTHINESS CERTIFICATE
[4] C. AMENDMENT OR MODIFICATION OF ITS CURRENT AIRWORTHINESS CERTIFICATE

DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE
10-91 OCT 25 1971	MIA-EMDO 7-0-43	Jimmie A. Lanfair JIMMIE A. LANFAIR DOA SO-1	

FAA Form 8130-6 (3-66) SUPERSEDES FAA FORM 305, AND FAA FORM 8100-3. C FAA AC 70-2836

FAA AIRCRAFT REGISTRY
CAMERA NO. 1 DATE: 1/28/93

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N1042U	Piper PA 34-200	34-7250026	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 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 REPRESENTATIVE	DESIGNATION NUMBER
OCT 25 1971	JIMMIE A. LANFAIR	DOA SO-1

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 (7-67) FORMERLY FAA FORM 1362

GPO : 1967—O-270 931

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