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 N8031W	Serial No. 28-2097	
	Make Piper	Model PA-28-180	Series
2. Owner	Name *(As shown on registration certificate)* N8668U Flying Club LLC	Address *(As shown on registration certificate)* Address 22 Riverwood Pl City Maumelle State AR Zip 72113 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	B. Kind of Agency	
Name Donald R. Adamson	☑ U. S. Certificated Mechanic	☐ Manufacturer
Address 1423 Lingo Road	☐ Foreign Certificated Mechanic	C. Certificate No.
City Lonoke State AR	☐ Certificated Repair Station	530661801
Zip 72086 Country USA	☐ 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 2 APRIL 2008

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		Repair Station	X	Inspection Authorization		Other *(Specify)*

Certificate or Designation No. 530661801	Signature/Date of Authorized Individual 2 APRIL 2008

FAA Form 337 (10-06)

Work completed for [N8031W] on

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 appicable airworthiness requirements.

N8031W	2 April 2008
Nationality and Registration Mark	Date

8. Description of Work Accomplished

Removed Narco 841 ADF unit, tray, indicator, antenna and wiring.

Installed Apollo 604 Loran.

Installed Sigtronics SPA-400 TSO intercom

All avionics are installed in the original Piper PA-28 avionics location using approved techniques outlined in AC 43.13-2A. Units are wired together using the avionics manufacture's wiring diagrams and installation manuals. An Avionics buss with primary master switch is installed to isolate the avionics from the aircraft main power buss. All avionics are wired through appropriately rated circuit breakers. The intercom is wired to the aircraft buss through a 1 amp circuit breaker.

An electrical load was computed and checked in accordance with AC 43.13-1B chapter 11.

Aircraft Weight & Balance was computed this date.

Aircraft Equipment list updated.

For continued airworthiness inspect and operate avionics in accordance with manufactures operation manuals and common practices and techniques.

---------- END ----------

[ ] Additional Sheets Are Attached

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SW-11-TJA

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: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name *(As shown on registration certificate)*: ROBERT BRECH	Address *(As shown on registration certificate)*: 117 PINNACLE DRIVE, ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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 herin is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
11 APRIL 2006	William P. Helms

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
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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 appicable airworthiness requirements.

8. Description of Work Accomplished

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA4008NM MODIFICATION OF BATTERY BOX FOR REMOVABLE PANELS IN ACCORDANCE WITH BOGERT AVIATION DRAWING LISTED ON FAA APPROVED APPROVED MODEL LIST OF STC SA4008NM DATED APRIL 12 2004. FAR PART 43 AND APPLICABLE OWNERS MANUAL ARE ADEQUATE TO ;ENSURE CONTINUED AIRWORTHINESS OF THIS MODIFICATION. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. THIS STC IS COMPATIBLE WITH STC SA 3531NM

---------- END ----------

RECEIVED
APR 12 2006
LIT-FSDO-11

[ ] 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 SW-11 TJA

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: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name *(As shown on registration certificate)*: ROBERT BRECH	Address *(As shown on registration certificate)*: 117 PINNACLE DRIVE, ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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 herin is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
11 APRIL 2006	William P. Helms

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
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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 appicable airworthiness requirements.

8. Description of Work Accomplished

INSTALLED CONCORD BATTERY VRSLA RG-35A IN ACCORDANCE WITH STC SA01147WI. BATTERY IS ON APPROVED MODEL LIST OF STC SA01147WI DATED FEBURARY 25 2003. STC AND THE PIPER MAINTENANCE MANUAL WILL WILL BE USED FOR CONTINUED AIRWORTHINESS. NO CHANGE IN WEIGHT AND BALLANCE.
11 APRIL 2006 PIPER PA 28-180 SN 28-2097. WILLIAM P. HELMS IA 431942176.##################

---------- END ----------

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[ ] 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
ACW-11 TJC

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 PA-28-180
	Serial No. 28-2097	Nationality and Registration Mark N8031W
2. Owner	Name *(As shown on registration certificate)* ROBERT BRECH	Address *(As shown on registration certificate)* 117 PINNACLE DRIVE ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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Date	Signature of Authorized Individual
11 APRIL 2006	William P. Helms

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
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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8. Description of Work Accomplished

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[ ] 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
SW-11 TJR

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1. Aircraft	Make: PIPER	Model: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name *(As shown on registration certificate)*: ROBERT BRECH	Address *(As shown on registration certificate)*: 117 PINNACLE DRIVE, ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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Date	Signature of Authorized Individual
11 APRIL 2006	William P. Helms

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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11 APRIL 2006 PIPER PA 28-180 SN 28-2097. WILLIAM P. HELMS IA 431942176.##################

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[ ] Additional Sheets Are Attached

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MAJOR REPAIR AND ALTERATION
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Office Identification
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1. Aircraft	Make PIPER	Model PA-28-180
	Serial No. 28-2097	Nationality and Registration Mark N8031W
2. Owner	Name *(As shown on registration certificate)* ROBERT BRECH	Address *(As shown on registration certificate)* 117 PINNACLE DRIVE ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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11 APRIL 2006	William P. Helms

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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
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA3531NM COPPER ELECTRICAL CABLES IN ACCORDANCE WITH BOGERT AVIATION INSTALLATION INSTRUCTIONS AS LISTED ON APPROVED MODEL LIST OFSTC SA3531NM. THE BATTERY TO ACFT MASTER SOLENOID AND BATTERY TO AIRFRAME GROUND WAS REPLACED WITH CABLES MANUFACTURED BY BOGERT AVIATION CABLES ARE FAA/PMA APPROVED. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. FAR 43 AND OWNERS MANUAL AND MAINTENANCE MANUAL WILL BE USED FOR CONTINUED AIRWORTHINESS.

---------- END ----------

[ ] Additional Sheets Are Attached

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SW-11 TJG

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1. Aircraft	Make: PIPER	Model: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name *(As shown on registration certificate)*: ROBERT BRECH	Address *(As shown on registration certificate)*: 117 PINNACLE DRIVE ARKADELPHIA, AR 71923

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.
WILLIAM P. HELMS 770 CENTRAL ROAD ARKADELPHIA, AR 71923	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	431942176

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Date	Signature of Authorized Individual
11 APRIL 2006	William P. Helms

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
11 APRIL 2006	IA431942176	William P. Helms

Work completed for [N8031W] on 11 APRIL 2006

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 appicable airworthiness requirements.

8. Description of Work Accomplished

11 APRIL 2006 PIPER PA 28-180 SN 28-2097 INSTALLED STC SA3531NM COPPER ELECTRICAL CABLES IN ACCORDANCE WITH BOGERT AVIATION INSTALLATION INSTRUCTIONS AS LISTED ON APPROVED MODEL LIST OFSTC SA3531NM. THE BATTERY TO ACFT MASTER SOLENOID AND BATTERY TO AIRFRAME GROUND WAS REPLACED WITH CABLES MANUFACTURED BY BOGERT AVIATION CABLES ARE FAA/PMA APPROVED. WEIGHT AND BALLANCE CHANGE IS NEGLIGIBLE. FAR 43 AND OWNERS MANUAL AND MAINTENANCE MANUAL WILL BE USED FOR CONTINUED AIRWORTHINESS.

———— END ————

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APR 12 2006
LIT-FSDO-11

[ ] Additional Sheets Are Attached

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N8031W	PIPER PA-28-180	28-2097	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
(R) 12/30/1964	Leslie W. Holt LESLIE W. HOLT AST	SW-FSDO-11

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.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1991 - 668-228

December 9, 2002

Dear Sir:

I am the recent purchaser of the Piper Cherokee described below. The previous owner lost or misplaced the airworthiness certificate. I have submitted the proper forms to the FAA for registering the aircraft, and I am requesting a replacement certificate.

Aircraft Registration Number	N8031W
Aircraft Serial Number	28-2097
Aircraft Model	PA-28-180
Aircraft Make	Piper Cherokee 180
Aircraft Year	1965

Sincerely,

Robert Brech

Robert Brech

AIRCRAFT LOG

Date	Aircraft Time This Date	Aircraft Time Total	Recorder Reading	Maintenance	and Remarks
11-7-01	Brought Forward →	1420.5		AIRCRAFT WAS INSPECTED	And Fou
				ONE TIME FERRY FLIGHT	From m
12-7-01	TACH 1421.1	TOTAL TIME	4470.1		
		COMPRESSION	#1 75 #2 71 #3 75 #4 76/80		Compression co
		compression Rose, tightened engine mount bolts,			Serviced
		flight control systems, replaced LM Gear Seal			& service
		tire. C/W AD 69-22-02 due again 1521.1, C/W AD 70-			16-05, due a
		3/2004 or 2060 TACH) AD 96-1207 due again 1560.0,			Thi
		ELT TEST OK, battery due 8/2002 C/W AD 76-07-12			due again 152
Total To Carry Forward		Replace A/F battery (G-35)			

Registration No. N8031W

and Remarks	Signature	Certificate No.
And Found To be SAFE FOR A		
From M99 TO 1M1	Ronald Kolb	A&P 431215184
Compass correction card non-lubricable-swing compass at 1M1 serviced fuel strainer, frayed cable pulley, lubed & serviced o serviced strut, replaced left main tire with serviceable		
10-05, due again 1871.1, c/w AD 95-26-13 due again 1521.1 (Replaced at		
This is to certify that this aircraft ~~engine~~ has been inspected in accordance ~~with a 100 hr.~~ / annual inspection per FAR 43 Appendix "D" and thereby determined to be in a condition for return to service.		
due again 1521.1	Harold Kolb IA 430881033	

NC .....

Date Year Mo.	Date Day	Time in Air Hrs.	Time in Air Min.	Passengers Carried	NATURE OF FLIGHT
					I HAVE INSPECTED THIS AIRCRAFT AND FOUND
					IT COMPLIES WITH THE REQUIREMENTS OF
					CAR 1.97 CERTIFICATE OF AIRWORTHINESS
					DATED 12/30/64 WAS ISSUED BY ME
					Fleon Nolen Beers DMIR 6085
Total Forward					

Place of Last Airplane Overhaul .....

Date of Last Overhaul .....

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

AIRCRA

REMARKS
JANUARY 5, 1965
Remove Propeller Bearing
INSTALL PROPELLER BEARING S

NOTICE:—Making false entries in this book is a violation of

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

FEDERAL AVIATION AGENCY
APPLICATION FOR AIRWORTHINESS CERTIFICATE

FORM APPROVED
BUDGET BUREAU NO. 04-R030.1

INSTRUCTIONS: Please print or type. Submit this form, original only, to an authorized Federal Aviation Agency Representative. Use attachments or extra sheets as necessary.

PART I — AIRCRAFT DESCRIPTION

1. AIRCRAFT IDENTIFICATION NO. N 8031W	2. AIRCRAFT MAKE Piper	3. AIRCRAFT MODEL PA 28-180
4. AIRCRAFT SERIAL NUMBER 28-2097	5. ENGINE MAKE Lycoming	6. ENGINE MODEL O-360-A3A
7. NUMBER OF ENGINES One	8. PROPELLER MAKE Sensenich	9. PROPELLER MODEL M76EMMS60

PART II — CERTIFICATION REQUESTED

1. APPLICATION IS HEREBY MADE FOR:
   - A. [X] ORIGINAL ISSUANCE OF CERTIFICATE (AIRCRAFT [X] NEW [ ] USED [ ] IMPORT) (CAR 1)
   - B. [ ] AMENDMENT OF CURRENT CERTIFICATE (CAR 1.62)
   - C. [ ] MULTIPLE CERTIFICATE (REF. CAR 1 AND 6)
   - D. [ ] OTHER _____ (Specify)
2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s))
   It is requested that an Airworthiness Certificate be issued to permit operation of the above described aircraft in the following classification(s):
   - A. [X] STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) (REF. CAR 1)
   - B. [ ] LIMITED (REF. CAR 9)
   - C. [ ] RESTRICTED (REF. CAR 6) (Check operation(s) to be conducted)
     - (1) [ ] AGRICULTURAL AND PEST CONTROL
     - (2) [ ] AERIAL ADVERTISING
     - (3) [ ] AERIAL SURVEYING
     - (4) [ ] PATROLLING
     - (5) [ ] FOREST AND WILDLIFE CONSERVATION
     - (6) [ ] WEATHER CONTROL
     - (7) [ ] OTHER _____ (Specify)
   - D. [ ] EXPERIMENTAL (REF. CAR 1) (Check operation(s) to be conducted)
     - (1) [ ] AMATEUR-BUILT
     - (2) [ ] EXPERIMENT (RESEARCH AND DEVELOPMENT)
     - (3) [ ] EXHIBITION
     - (4) [ ] RACING
     - (5) [ ] TO SHOW COMPLIANCE WITH CAR _____
   - E. [ ] (OTHER) _____ (Specify)
3. HAS THE APPLICANT PREVIOUSLY BEEN ISSUED AN AIRWORTHINESS CERTIFICATE FOR THIS AIRCRAFT? [ ] YES (Explain) [X] NO

PART III — INSPECTION AGENCY VERIFICATION (Not applicable to newly manufactured aircraft)

1. IN ACCORDANCE WITH CAR 1.67(d) THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY:
   - A. [ ] AIRCRAFT MANUFACTURER (Name of Firm) _____
   - B. [ ] CERTIFICATED DOMESTIC REPAIR STATION, CERTIFICATE NO. _____
   - C. [ ] CERTIFICATED AIR CARRIER, CERTIFICATE NO. _____
   - D. [ ] CERTIFICATED MECHANIC (Inspection Authorization) NO. _____

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL	TITLE

PART IV — OWNER'S CERTIFICATION

I hereby certify that the aircraft described above has been inspected and is airworthy and eligible for the classification(s) requested. I further certify that I am the registered owner (or his agent) of this aircraft which is registered* with the Federal Aviation Agency, as required by the Federal Aviation Act of 1958 and the applicable Federal Aviation Regulations and Regulations of the Administrator and that the following evidence of registration is displayed in the aircraft. (Check and complete appropriate item(s): this includes completion of items 1 and 2 on the reverse side of this form.)

1. [ ] CERTIFICATE OF REGISTRATION, FAA FORM 500 (PART A) DATE OF ISSUE _____
2. [ ] APPLICATION FOR REGISTRATION, FAA FORM 500 (PART B). FAA FORM 500 FORWARDED TO FAA AIRCRAFT REGISTRATION BRANCH ON (Date) _____
3. [X] DEALER'S AIRCRAFT REGISTRATION CERTIFICATE, FAA FORM 1707 (Expiration date) June 17, 1965
4. REGISTERED OWNER'S FULL NAME AND PERMANENT MAILING ADDRESS (No., Street, City, Zone and State)
   Piper Aircraft Corporation
   Vero Beach, Florida

*In order to be eligible for registration an aircraft must be owned by a citizen of the United States as defined by Section 101(13) of the Federal Aviation Act of 1958.

5. SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT: Theron Nolan Bevis
6. DATE: 12-30-64
7. TITLE: Agent

8. ATTACHMENTS (Check which)
   - A. [ ] FAA FORM 337
   - B. [ ] FAA FORM 317
   - C. [ ] WEIGHT AND BALANCE REPORT
   - D. [ ] DATA, DRAWINGS, PHOTOGRAPHS, ETC. (List separately)
   - E. [ ] OTHER (List separately)

17 FEB 3 1965

FAA Form 305 (3-67) OBSOLETE PREVIOUS EDITIONS

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
N8031W	PIPER AIRCRAFT CORP. PA-28-180	28-2097	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 provide by Annex 8 to the Convention of 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
R December 30 1964	TERENCE T. CARR	SW-FSDO-15

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.

2000.08.03

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

UNITED STATES OF AMERICA
FEDERAL AVIATION AGENCY

CERTIFICATE OF AIRWORTHINESS

1. NATIONALITY AND REGISTRATION MARKS	2. AIRCRAFT AIRWORTHINESS CLASSIFICATION
[redacted]	[redacted]

3. This Certificate of Airworthiness is issued pursuant to the Federal Aviation Act of 1958. The aircraft identified hereon is considered airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations.

4. This Certificate will remain in effect as long as the aircraft is maintained in accordance with Part 43 of the Civil Air Regulations unless surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Agency.

5. DATE OF ISSUANCE	6. FAA REPRESENTATIVE	7. DESIGNATION NO.
12-30-66	[redacted]	[redacted]

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

Form FAA 18020 (8-69)

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
N8031W	PIPER AIRCRAFT CORP. PA-28-180	28-2097	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 provide by Annex 8 to the Convention of 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
R December 30 1964	TERENCE T. CARR	SW-FSDO-15

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.

JUL 23 1998

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 SBN ESDU

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

1. Aircraft	Make: PIPER	Model: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N 8031W
2. Owner	Name *(As shown on registration certificate)*: BROERMAN MATTHEW J	Address *(As shown on registration certificate)*: 1475 WHISPERING PINE GREVE COULER MO 63146

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.
Sean Conlin P.O. Box 186, Hampton, New Hampshire 03843	X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer	13621793

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
7-16-98	Sean Conlin

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
7-16-98	13621793	

FAA Form 337 (10-95)

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.)

Opened tank identified below, by removing perimeter rivets. Cleaned and inspected skins and bulkheads. Work performed and replacement of parts detailed as follows:

Reseal and rivet skin and bulkheads using MIL-S-8802F type 1 class A sealant (PR-1422 A-2) and MS20426A4-5, MS20470A4-5, and MS20426AD4-4.5 rivets as originally manufactured.

Replaced rusted filler neck with P/N 62033-00.

Assembly performed in accordance with AC 43.13-1A, chapter 2, section 3, paragraphs 99, A, B, C and chapter 14, section 2, paragraph 710 exclusive of sub paragraphs.

Tanks are an aircraft component part, and not installed by this agency.

Sections one and two of this form are to be completed by the installer.

No change in weight and balance.

Tank identification Number: SKYCRAFT S/N 5533L

Tank position: L/H only.

Tanks installed in aircraft by:

Dennis M Phillips	31556 7416A/P	7/22/98
Installers Signature	Certificate Number and Type	Date

END

☐ Additional Sheets Are Attached

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
CE03 Reg

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: PA-28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name *(As shown on registration certificate)*: Matt Broerman	Address *(As shown on registration certificate)*: 1475 Whispering Pine St. Louis, MO 63146

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	0-360-A4A	L-7643-36A		X
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

RECEIVED
MAY 02 1997
STL FSDO

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Phoenix Aviation 18600 Edison Ave. Chesterfield, MO 63005	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	DEXR163D

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
4-28-97	CRAIG CUNNINGHAM

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 [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	
	[ ]	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
4-28-97	DEXR163D	CRAIG CUNNINGHAM

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.)

Removed Lycoming factory installed starter

Installed Skytec starter Part#149-1265 in accordance with supplied installation instructions and supplemental type certificate #SE00218NY

Weight and Balance and Equipment list updated

----------End----------

☐ Additional Sheets Are Attached

☆U.S. GOVERNMENT PRINTING OFFICE: 1992-668-012/60046

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-30-92

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
STL PSDO

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: PA28-180
	Serial No.: 28-2097	Nationality and Registration Mark: N8031W
2. Owner	Name (As shown on registration certificate): MATT BROERMAN	Address (As shown on registration certificate): 1475 WHISPERING PINES ST. LOUIS, MO 63146

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				

RECEIVED APR 10 1992 STL FSDO

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
PREMIER AIR CENTER, INC. 18 TERMINAL DRIVE EAST ALTON, IL 62024	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	PAZR068H

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
APRIL 8, 1992	GEORGE HOLTMAN ALT. INSPECTOR

7. Approval for Return To Service

Pursuate 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						Other (Specify)
		FAA Flt. Standards Inspector		Manufacturer		Section Authorization
		FAA Designee	X	Repair Station		Approved by Transport Airworthiness Group

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
APRIL 8, 1992	PAZR068H	GEORGE HOLTMAN ALT. INSPECTOR

FAA Form 337 (12 88)

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-30-92

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 in aircraft the B.F. Goodrich Flight System Inc. WX900 Stormscope consisting of: Display P/N 78-8060-5960-2 S/N FNP01200200 and Antenna P/N 78-8060-5970-1 S/N FNA01200119 according to Stormscope Series II WX900 Instruction Manual dated July 1991 and in accordance with AC 43.13-1A Chapter 11 sections 2 & 3 and AC 43.13-2A Chapters 2 & 3.

----------END----------

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-26-90

10 -

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
RIE 7-0-64

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: PA28-180
	SERIAL NO.: 28-2097	NATIONALITY AND REGISTRATION MARK: N8031W
2. OWNER	NAME (As shown on registration certificate): Campbell Edward H	ADDRESS (As shown on registration certificate): Rt. 2 P.O. Box 363H Kissimmee, Fl. 32741

3. FOR FAA USE ONLY

RECEIVED
SO - GADO - 8
DEC 7 1982
ST. PETERSBURG FLORIDA

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: 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.
Marshall Parsons Jr. 1206 Seminole Ct. Kissimmee, Fl. 32741	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	1371597

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
12/5/82	Marshall Parsons Jr

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 [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
12/5/82	1371597	Marshall Parsons Jr

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 2-26-90

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 Mitchell Automatic Flight System, Model AK307 consisting of Century I and Omni Tracker, according to STC No.SA12725W and Bulletin No. 415 dated Feb.4,1971.

2. Removed existing turn & bank and installed pictorial turn & bank, in its place.

3. Installed Roll Servo 1C363-1-183R beneath the back seat per STC instructions using bracket and hardware supplied by manufacture.

4. Omni tracker connections accomplished by C&E Electronics of Sanford Fl..

5. Relay box 1A526 and switch assembly 30B364 were omited on this installation and a toggle switch was incorporated on the panel as an alternative, and placarded.

6. Electronic load calculated and found not to exceed 80% of the aircraft 35 amp. alternator capacity.

7. Equiptment was ground and flight checked per instructions in section III.

8. This installation was made in accordance with AC43:131A para. 424, 426,428,429,430,443,446,447,448,449,450,451,514,515,516,517,519.

9. Negligible change in Weight & Balance.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977 771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

PARTMENT 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

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-28
	SERIAL NO.: 28-2097	NATIONALITY AND REGISTRATION MARK: N8031W
2. OWNER	NAME (As shown on registration certificate): Edward H. Campbell	ADDRESS (As shown on registration certificate): RR#2, Box #363H Kissimmee, FL 32741

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					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				X

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Sebastian Communication, Inc. Melbourne Regional Airport Melbourne, FL 32901	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	708-22

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: April 14, 1978

SIGNATURE OF AUTHORIZED INDIVIDUAL: Frank Campbell

7. APPROVAL FOR RETURN TO SERVICE

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

BY						OTHER (Specify)
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

RECEIVED
A-SO-GADO-B
APR 18 1978
ST. PETERSBURG
FLORIDA

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
4/14/78	708-22	Frank Campbell

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

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 Genave Alpha 200 above KX150 in top of radio rack, Narco AT50A transponder installed directly below radio stack, below instrument panel transponder antenna installed in forward right corner of passenger foot space, in accordance with manufacturer's instructions.

Performed transponder inspection per FAR 91.177 and FAR 43, appendix F.

Connected primary power to circuit breakers and labeled accordingly.

Electrical load does not exceed 60% of the aircraft 35 amp alternator capacity.

Equipment installed and compass calibration check per FAR 23, 1301, 1327 and 1431, and AC 43:13-2, Para. 927-929.

Computed new Weight and Balance updated equipment list and entered in aircraft papers.

This installation made in accordance with AC 43:13-1A 227, 228, 230, 231 406, 410, 424, 426, 428, 429, 442, 443, 445, 447-451, 464, 514-519, 656, 657, 659, 662, 750, 840, 842, 927, 929; and AC 43:13-2, 1-12, 21-27, 36 37 & 38, and 42.

----------NOTHING BELOW THIS LINE----------

☐ ADDITIONAL SHEETS ARE ATTACHED

★1975-G.P.O.-1703-M/673-800/175

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

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

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-28
	SERIAL NO.: 28-2097	NATIONALITY AND REGISTRATION MARK: N8031W
2. OWNER	NAME (*As shown on registration certificate*): Edward H. Campbell	ADDRESS (*As shown on registration certificate*): RR#2, Box #363H Kissimmee, FL 32741

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: 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.
Sebastian Communication, Inc. Melbourne Regional Airport Melbourne, FL 32901	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	708-22

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: 26 July 1979

SIGNATURE OF AUTHORIZED INDIVIDUAL: Frank Campbell

7. APPROVAL FOR RETURN TO SERVICE

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

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (*Specify*)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7/26/79	708-22	Frank Campbell

FAA Form 337 (7-67) ☆ U.S. Government Printing Office 1977—772-646/141 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

NOTICE

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

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

Removed Genave Alpha 200 and existing interwiring.

Installed Narco MK12B and VOA8 in available panel space, and power supply mounted on top of glove box in accordance with manufacturer's instructions.

Connected primary power to circuit breakers and labeled accordingly.

Electrical load was computed and is less than 80% of the aircraft's 35 amp generator capacity.

Equipment installed and compass calibration checked per FAR 23-1301, 1327 and 1431, and AC 43:13-2, para. 927-929.

Computed new Weight and Balance, updated equipment list, and entered in aircraft logs.

This installation made in accordance with AC43:13-1A paragraphs 227, 228, 230, 231, 406, 410, 424, 426, 429, 428, 442, 443, 445, 447-451, 464, 514-519, 656, 657, 659, 662, 750, 840, 842, 927, 929; and AC43:13-2 paragraphs 1-12, 21-27 and 37-39.

----------NOTHING BELOW THIS LINE----------

RECEIVED
SO - GADO - 8
AUG 1 1979
ST. PETERSBURG
FLORIDA

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

FEDERAL AVIATION AGENCY
APPLICATION FOR AIRWORTHINESS CERTIFICATE

FORM APPROVED
BUDGET BUREAU NO. 04-R038.1

INSTRUCTIONS: Please print or type. Submit this form, original only, to an authorized Federal Aviation Agency Representative. Use attachments or extra sheets as necessary.

PART I — AIRCRAFT DESCRIPTION

1. AIRCRAFT IDENTIFICATION NO. N 8031W	2. AIRCRAFT MAKE Piper	3. AIRCRAFT MODEL PA 28-180
4. AIRCRAFT SERIAL NUMBER 28-2097	5. ENGINE MAKE Lycoming	6. ENGINE MODEL O-360-A3A
7. NUMBER OF ENGINES One	8. PROPELLER MAKE Sensenich	9. PROPELLER MODEL M76EMMS60

PART II — CERTIFICATION REQUESTED

1. APPLICATION IS HEREBY MADE FOR:
   - A. [X] ORIGINAL ISSUANCE OF CERTIFICATE (AIRCRAFT [X] NEW [ ] USED [ ] IMPORT) (CAR 1)
   - B. [ ] AMENDMENT OF CURRENT CERTIFICATE (CAR 1.62)
   - C. [ ] MULTIPLE CERTIFICATE (REF. CAR 1 AND 8)
   - D. [ ] OTHER _____ (Specify)
2. AIRWORTHINESS CLASSIFICATION *(Check appropriate item(s))*
   It is requested that an Airworthiness Certificate be issued to permit operation of the above described aircraft in the following classification(s):
   - A. [X] STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) (REF. CAR 1)
   - B. [ ] LIMITED (REF. CAR 9)
   - C. [ ] RESTRICTED (REF. CAR 8) *(Check operation(s) to be conducted)*
     - (1) [ ] AGRICULTURAL AND PEST CONTROL
     - (2) [ ] AERIAL ADVERTISING
     - (3) [ ] AERIAL SURVEYING
     - (4) [ ] PATROLLING
     - (5) [ ] FOREST AND WILDLIFE CONSERVATION
     - (6) [ ] WEATHER CONTROL
     - (7) [ ] OTHER _____ (Specify)
   - D. [ ] EXPERIMENTAL (REF. CAR 1) *(Check operation(s) to be conducted)*
     - (1) [ ] AMATEUR-BUILT
     - (2) [ ] EXPERIMENT (RESEARCH AND DEVELOPMENT)
     - (3) [ ] EXHIBITION
     - (4) [ ] RACING
     - (5) [ ] TO SHOW COMPLIANCE WITH CAR _____
   - E. [ ] (OTHER) _____ (Specify)
3. HAS THE APPLICANT PREVIOUSLY BEEN DENIED AN AIRWORTHINESS CERTIFICATE FOR THIS AIRCRAFT? [ ] YES *(Explain)* [X] NO

PART III — INSPECTION AGENCY VERIFICATION *(Not applicable to newly manufactured aircraft)*

1. IN ACCORDANCE WITH CAR 1.67(d) THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY:
   - A. [ ] AIRCRAFT MANUFACTURER *(Name of Firm)* _____
   - B. [ ] CERTIFICATED DOMESTIC REPAIR STATION, CERTIFICATE NO. _____
   - C. [ ] CERTIFICATED AIR CARRIER, CERTIFICATE NO. _____
   - D. [ ] CERTIFICATED MECHANIC *(Inspection Authorization)* NO. _____

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL	TITLE

PART IV — OWNER'S CERTIFICATION

I hereby certify that the aircraft described above has been inspected and is airworthy and eligible for the classification(s) requested. I further certify that I am the registered owner (or his agent) of this aircraft which is registered* with the Federal Aviation Agency, as required by the Federal Aviation Act of 1958 and the applicable Federal Aviation Regulations and Regulations of the Administrator and that the following evidence of registration is displayed in the aircraft. *(Check and complete appropriate item(s); this includes completion of items 1 and 2 on the reverse side of this form.)*

1. [ ] CERTIFICATE OF REGISTRATION, FAA FORM 500 (PART A) DATE OF ISSUE _____
2. [ ] APPLICATION FOR REGISTRATION, FAA FORM 500 (PART B). FAA FORM 500 FORWARDED TO FAA AIRCRAFT REGISTRATION BRANCH ON *(Date)* _____
3. [X] DEALER'S AIRCRAFT REGISTRATION CERTIFICATE, FAA FORM 1707 *(Expiration date)* June 17, 1965
4. REGISTERED OWNER'S FULL NAME AND PERMANENT MAILING ADDRESS *(No., Street, City, Zone and State)*
   Piper Aircraft Corporation
   Vero Beach, Florida

*In order to be eligible for registration an aircraft must be owned by a citizen of the United States as defined by Section 101(13) of the Federal Aviation Act of 1958.

5. SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT: Theron Nolan Bevis
6. DATE: 12-30-64
7. TITLE: Agent

8. ATTACHMENTS *(Check which)*
   - A. [ ] FAA FORM 337
   - B. [ ] FAA FORM 317
   - C. [ ] WEIGHT AND BALANCE REPORT
   - D. [ ] DATA, DRAWINGS, PHOTOGRAPHS, ETC. *(List separately)*
   - E. [ ] OTHER *(List separately)*

17 FEB 3 1965

FAA Form 305 (5-62) OBSOLETE PREVIOUS EDITIONS

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

FEDERAL AVIATION AGENCY
AIRCRAFT INSPECTION REPORT

(Items 1 and 2 will be verified and all other applicable items will be completed by an authorized FAA representative.)

1. AIRCRAFT CERTIFICATION BASIS

The aircraft described in PART I on the reverse of this form has been inspected and found to conform to the following:

A. [X] AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET NO. 2A13 REVISION NO. 11
B. [ ] AIRCRAFT LISTING, PAGE NO.(S)
C. [X] AIRWORTHINESS DIRECTIVE SUMMARY 1963 (YEAR) THROUGH CARD NO. 64-28
D. [ ] SUPPLEMENTAL TYPE CERTIFICATE NO.(S)
E. [ ] OTHER *(Specify)*

2. AIRCRAFT AND ENGINE OPERATING RECORDS

A. [X] AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY
B. [NA] COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED
C. [ ] AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF ____ HOURS
D. [X] ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:
SERIAL NO. L-7643-36A TOTAL HOURS ____ TIME SINCE OVERHAUL ____
SERIAL NO. ____ TOTAL HOURS ____ TIME SINCE OVERHAUL ____
SERIAL NO. ____ TOTAL HOURS ____ TIME SINCE OVERHAUL ____
SERIAL NO. ____ TOTAL HOURS ____ TIME SINCE OVERHAUL ____

3. AIRWORTHINESS DOCUMENTATION

A. [ ] CURRENT OPERATING RESTRICTIONS (LIMITATIONS), COPY ATTACHED
B. [ ] CURRENT OPERATING RESTRICTIONS (LIMITATIONS), AVAILABLE IN AIRCRAFT
C. [X] CURRENT APPROVED AIRCRAFT FLIGHT MANUAL, AVAILABLE IN AIRCRAFT
D. [X] CURRENT WEIGHT AND BALANCE INFORMATION, AVAILABLE IN AIRCRAFT
E. [X] THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS
F. [ ] FAA FORM 337, MAJOR REPAIR AND ALTERATION, (ATTACH WHEN REQUIRED)
G. [ ] FAA FORM 317, STATEMENT OF CONFORMITY, (ATTACH WHEN REQUIRED)
H. [ ] WEIGHT AND BALANCE REPORT, (ATTACH WHEN REQUIRED)
I. [ ] DATA, DRAWINGS, PHOTOGRAPHS, ETC., (ATTACH WHEN REQUIRED)
J. [X] AIRWORTHINESS CERTIFICATE, FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR 1.67 (a)
K. [ ] PREVIOUS FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR ____

BY ____ *(Name of Issuing Representative)* ____ *(Designation Number)*

4. FAA REPRESENTATIVE CERTIFICATION

I have inspected the aircraft described on the reverse and, on the basis of the application and the foregoing, find it conforms to its type certificate and that it is in condition for safe operation.

5. REGISTRATION INDICATED ON REVERSE IS PROPERLY DISPLAYED IN AIRCRAFT [ ] YES [X] NO *(Explain)*

Current Form FAA-1707

6. DESIGNEE'S SIGNATURE	DESIGNATION NO.	DATE
Theron Nolan Bevis Theron Nolan Bevis	DMIR-6085	12-30-64
7. FAA INSPECTOR'S SIGNATURE	**FAA DISTRICT OFFICE NO.**	**DATE**
William H. Tarper	FAA-SO EMDO-43	JAN 22 1965

8. REMARKS

A. [X] ACCEPTED
B. [ ] REINSPECTED
C. [ ] SPOT CHECKED

9. ATTACHMENT(S) IN ADDITION TO THOSE LISTED ON REVERSE *(List separately)*

1. Copy of Form FAA-1362B

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

UNITED STATES OF AMERICA
FEDERAL AVIATION AGENCY

CERTIFICATE OF AIRWORTHINESS

1. NATIONALITY AND REGISTRATION MARKS	2. AIRCRAFT AIRWORTHINESS CLASSIFICATION
N8031W	Standard - Normal

3. This Certificate of Airworthiness is issued pursuant to the Federal Aviation Act of 1958. The aircraft identified hereon is considered airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations.

4. This Certificate will remain in effect as long as the aircraft is maintained in accordance with Part 43 of the Civil Air Regulations unless surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Agency.

5. DATE OF ISSUANCE	6. FAA REPRESENTATIVE	7. DESIGNATION NO.
12-30-64	Theron Nolan Davis	DER-6085

8. *Any alteration or misuse of this Certificate is punishable by a fine of not exceeding $1,000 or imprisonment not exceeding 3 years, or both.*

GPO . 1959 OF—808926

Form FAA 13628 (5-59)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

952 2225

28 AUG 12 1965

FEDERAL AVIATION AGENCY

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
GADO-8

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-28
	SERIAL NO. 28-2097	NATIONALITY AND REGISTRATION MARK N8031W
2. OWNER	NAME (As shown on registration certificate) Thomas T. Tuck d.b.a. Flying Seminole Ranch	ADDRESS (As shown on registration certificate) Route 1 Oviedo, Florida

VERIFIED BY INSPECTOR

3. FOR FAA USE ONLY

The Data ~~Alteration~~ identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.

7-19-65 Sherman L. Pinkham
Date FAA Inspector

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.
Southern Airways of Florida Municipal Airport Orlando, Florida	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	2058 Radio

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 7-14-65

SIGNATURE OF AUTHORIZED INDIVIDUAL
Woodrow Hunly 1510760 repairman

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 Agency and is ☑ APPROVED ☐ REJECTED

BY

FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
FAA DESIGNEE	✓	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7-22-65	2058 Radio	Woodrow H. Chief Inspector

FAA Form 337 (1-65) OBSOLETE PREVIOUS EDITION 0052-025-8000 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

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 King KX-150B Radio. VHF antenna, and Omni antenna. KX-150B unit installed in center of instrument panel, with 4 e, an526/ 8/32 screws and lock nuts. Cable dressed behind instrument panel. Circuit fused with a 15 amp screw in fuse already installed in a/c. VHF antenna installed top aircraft at station # 70. Omni antenna mounted in vertical fin assy. cable dressed along left side of aircraft and fastened to a/c frame every 4 seet.

Item	weight	arm	moment
a/c/e/w	1283.7	85.82	110157.13
KX-150B radio	9.1	62.8	572.00
VHF antenna	1.0	70.0	70.00
Omni antenna	1.2	203.0	243.00
	~~1295.00~~		~~110952.13~~

Total continous electrical load computed at 14 amps or 40% of one 35 amp alternator CAM 3.682
Compass checked in accordance with requirements of CAM 3.666
Equipment installed in accordance with requirements of CAM 3.721
Equipment functional checked in accordance with requirements of CAM 3.652
Equipment list changed to show addition of radio equipment.
Weight and Balance Data Section revised to reflect this equipment change, and data entered in log book.

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AC 65-2B

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

951 686

37 AUG 6 1965

Form approved.
Budget Bureau No. 04-R060.

VERIFIED BY OPERATOR #41

FEDERAL AVIATION AGENCY

MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)

1. AIRCRAFT	MAKE	MODEL	SERIAL NO.	NATIONALITY AND REGISTRATION MARK
	Piper	PA-28	28-2097	N 8031W

2. OWNER	NAME (First, middle, last)	ADDRESS (Street and number, city, zone and State)
	Thomas T.Tuck d.b.a. Flying Seminole Ranch	Route #1 OViedo Florida

3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18.

UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check) MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱ (As described in item 1 above) ✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱				X
b. POWERPLANT					
c. PROPELLER					
d. APPLIANCE	TYPE AND MANUFACTURER				

The Data (Repair) identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.
Date 5/19/65 FAA Inspector R. Turner SO-Gado-8

4. AIRCRAFT WEIGHT AND BALANCE DATA
*AFTER the repairs and/or alterations described below were made.

This item must be completed by repair or alteration agency. However, in the case of a spare component, it will not be completed until such component is installed in an aircraft. At this time, it will be completed by the installing agency, if applicable.

CATEGORY	EMPTY WEIGHT (Pounds)*	EMPTY CENTER OF GRAVITY (Inches from datum)*	USEFUL LOAD (Pounds)*
Normal	1283.7	85.82	1116.3

5. CONFORMITY STATEMENT (Complete and check)

a. AGENCY'S NAME AND ADDRESS	b. KIND OF AGENCY	c. CERTIFICATE NO.
Arthur J.Robbins 1009 Wilson St. Eau Gallie Fla.	☒ U. S. Certificated Mechanic. ☐ Foreign Certificated Mechanic. ☐ Certificated Repair Station. ☐ Manufacturer. ☐ (Check if repair or alteration was made under delegation option procedures.)	A.P.177426

d. I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge.

5/19/65 (Date repair and/or alteration completed)

Arthur J Robbins (Signature of authorized individual)

6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items)

Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is

☒ APPROVED ☐ REJECTED } BY { ☐ FAA Designee ☐ FAA Flight Standards Inspector ☐ Manufacturer ☐ Repair Station ☐ Canadian Department of Transport Inspector of Aircraft ☒ Other (Specify) Inspection Authorization

5/19/65 (Date of approval or rejection)

Arthur J Robbins A.P.177426 (Signature of authorized individual; title or identification number)

7. TO BE COMPLETED ONLY BY FAA PERSONNEL

a. ☐ Forwarded for engineering comment ☐ See attached memorandum

b. ☒ Accepted 5-28-65 (Date) ☐ Reinspected _____ (Date) ☐ Spot Checked _____ (Date)

S. O. Rado GADO-8 7-08 (FAA designation number)

R. Turner SO-Gado-8 (Signature Flight Standards Inspector)

Form FAA-337 (4-52)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 N DATE: 2-17-83

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, powerplant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.*

Installed Bank @ Turn ,Rate of Climb,Directional Gyro @ Artificial Horizon,Airborne,Mechanisms Model 200CC Vacum Pump, Suction Gauge
~~LXXX~~ 133A4 Regulator valve
All work was accomplished according to CAR3.171,3.652, 3.868, 3.661 And CAM 18

A.M. 200 CC Vacum Pump	3.6	lbs	@36.3	131"
Turn and Bank	1.5	"	@66.8	100
Rate of Climb	1.4	"	@66.8	94
Directional Gyro	4.3	"	@66.6	286
Artificial Horizon	4.5	"	@66.1	298
Suction Gauge	.4	"	@68.1	27

Old E.W	Old Cof G	Old U.L.
1268	86.1	1132

New E.W.	New CofG	New U.L
1283.7	85.82	1116.3

*If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.

Check block if additional sheets are attached. ☐

☆ U.S. GOVERNMENT PRINTING OFFICE: 1961 O - 587360