



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

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

1. Aircraft	Make PIPER	Model PA-32-300
	Serial No. 32-7940046	Nationality and Registration Mark USA N3004P
2. Owner	Name (As shown on registration certificate) T B S CONSTRUCTORS INC LOGGERHEAD SOFTWARE INC	Address (As shown on registration certificate) 2641 49TH ST SARASOTA FL 34234-3209

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 AIRCRAFT ENGINEERING INC 33 LAKE ELOISE LANE SE WINTER HAVEN FL 33884	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. VF4R594M
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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 AUGUST 3, 2001	Signature of Authorized Individual BILL TURLEY
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7. Approval for Return To Service

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

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection AUGUST 3, 2001		Certificate or Designation No. VF4R594M	Signature of Authorized Individual BILL TURLEY	

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA4008NM

This certificate, issued to Bogert Aviation

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

Original Product — Type Certificate Number: * *See attached Master Eligibility List (MEL)
Make: * Number SA4008NM for List of Approved Airplane
Model: * Models and Applicable Airworthiness Regulation

Description of Type Design Change:

Installation of removable panels on the battery box sides in accordance with Bogert Aviation Installation Instructions Number 1-1, revised July 9, 1987.

NOTE: This is compatible with STC SA3531NM.

Limitations and Conditions: Approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and Master Eligibility List (MEL) shall be maintained as part of the permanent records for the modified aircraft.

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

Date of application: May 23, 1986

Date issued:

Date of issuance: August 17, 1987

Date amended:

By direction of the Administrator

David G. Smith
(Signature)

Acting Manager, Seattle
Aircraft Certification Office

(Title)



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

US Department of Transportation
Federal Aviation Administration

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(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
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Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form 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-32-300
	Serial No. 32-7940046	Nationality and Registration Mark N3004P
2. Owner	Name (As shown on registration certificate) J-Bird Leasing, Corp.	Address (As shown on registration certificate) 8144 D Bridgewater Court Lake Clarke Shores, FL 33406

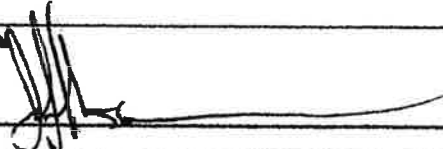
3. For FAA Use Only

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 Jeffrey Kamerer Palm Beach Aircraft Services, 2633 Lantana Road, Ste 41 Lantana, FL 33462	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. 210521646A&P
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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 11-17-1999	Signature of Authorized Individual Jeffrey Kamerer 
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7. Approval for Return to Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canadian Airworthiness Group	
Date of Approval or Rejection 11/11/99	Certificate or Designation No. 344809201A	Signature of Authorized Individual David A. Johnson 		

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

Supplemental Type Certificate

Number SA00024NY

This certificate issued to Airwolf Filter Corp
15369 Madison RD.
Middlefield, OH 44062

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3123 of the Civil Air/Federal Aviation Regulations.

Original Product -- Type Certificate Number: *(See attached FAA Approved Model List
Make: *(AML) No. SA00024NY for list of approved
Model: *(airplane models and applicable installation
*instructions)

Description of Type Design Change: Installation of Airwolf remote mounted engine oil filter kit AFC-K007 on single and multi engine fixed wing light aircraft incorporating Lycoming reciprocating engines of 450 horsepower or less.

Limitations and Conditions: 1. Engine compartment firewall for mounting oil filter shall be of .021 inch minimum thickness ASTM A527 galvanized steel or equivalent (Ref. CAR 3.624(b), FAR 23.1191(h)).

2. Airwolf Maintenance Instructions AFC-K007-MI, dated March 30, 1993 are required with this installation.

3) Compatibility of this design change with previously approved modifications must be determined by the installer.

4) If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application: June 08, 1993

Date reissued:

Date of issuance: July 22, 1993

Date amended: 11/11/93, 2/3/94, 11/22/94, 5/25/95,
2/5/96, 5/23/97, 7/21/99



By direction of the Administrator

Vito A. Pulera
(Signature)

Vito A. Pulera
Manager
New York Aircraft Certification Office

(Title)

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



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
WPA 13

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

1. Aircraft	Make Piper	Model PA32-300
	Serial No. 32-7940046	Nationality and Registration Mark USA N3004P
2. Owner	Name (As shown on registration certificate) Caribou Creek Log Homes Inc.	Address (As shown on registration certificate) HCR 85 Box 3 Bonners Ferry, ID 83805

THE DATA/ALTERATION IDENTIFIED HEREIN CONFORMS 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

1/18/99 *David D. Warr*
DATE FAA INSPECTOR, SPOKANE FSDO

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

6. Conformity Statement

A. Agency's Name and Address Jim R. Seitz P.O. Box 881 Bonners Ferry, ID 83805	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. A&P 15515861A
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 1-12-99 2-8-99	Signature of Authorized Individual <input checked="" type="checkbox"/> <i>James R. Seitz</i>
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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

	FAA Fit. Standards Inspector		Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee		Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 1-12-99 2-8-99		Certificate or Designation No. 15515861A		Signature of Authorized Individual <input checked="" type="checkbox"/> <i>James R. Seitz</i>		

NOTICE

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

8. Description of Work Accomplished

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

Installed a Avionics master switch. All the radios, the intercom system and the storm scope now have thier power routed through a combination toggle switch and 40 Amp breaker switch. All work in accordance with aircraft standards and practices in AC 43.13. Weight and balance change negligible.—END—



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1. Aircraft	Make PIPER AIRCRAFT CORP	Model PA32-300
	Serial No. 32-7940046	Nationality and Registration Mark N3004 P
2. Owner	Name (As shown on registration certificate) MARANATHA ASSOCIATES	Address (As shown on registration certificate) 696 E. MILLPORT RD LITITZ, PA 17543

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
SENENICH PROPELLER SERVICE INC 519 E. AIRPORT RD LITITZ, PA 17543	<input type="checkbox"/> U.S. Certificated Mechanic	QV9R194N
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

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

Date JULY 23, 1998	Signature of Authorized Individual
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7. Approval for Return To Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee <input checked="" type="checkbox"/>	Repair Station <input checked="" type="checkbox"/>	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection JULY 23, 1998		Certificate or Designation No. QV9R194N	Signature of Authorized Individual 	

NOTICE

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

8. Description of Work Accomplished

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

REMOVE HARTZELL, HC-C2YR-1 PROPELLER AND INSTALL HARTZELL MODEL HC-C3YR-1RF/F7663R,
S/N: DY2999A PER STC NUMBER SA1791GL

Additional Sheets Are Attached



US Department
of Transportation
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Administration

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Office Identification

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1. Aircraft	Make PIPER	Model PA-32-300
	Serial No. 32-7940046	Nationality and Registration Mark N3004P
2. Owner	Name (As shown on registration certificate) MARANATHA ASSOCIATES	Address (As shown on registration certificate) 696 EAST MILLPORT ROAD LITITZ, PA 17543

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 SENENICH PROPELLER SERVICES, INC. 519 EAST AIRPORT ROAD LITITZ, PA 17543	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. QV9R194N
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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 9/5/97	Signature of Authorized Individual
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7. Approval for Return To Service

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

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

Date of Approval or Rejection 9/5/97	Certificate or Designation No. QV9R194N	Signature of Authorized Individual
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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.)

REMOVE HARTZELL PROPELLER

MODEL NO: HC-C2YK-1BF

SERIAL NO: CH23907

AND INSTALLED MCCAULEY PROPELLER

MODEL NO: B3D36C433-B/H-80VSA-1

SERIAL NO: 971301

PER STC NO: SA433CH

APPROVED MARCH 07, 1997

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

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Office Identification

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1. Aircraft	Make <i>Piper</i>	Model <i>PA32-300</i>
	Serial No. <i>32-7940046</i>	Nationality and Registration Mark <i>USA N3004P</i>
2. Owner	Name (As shown on registration certificate) <i>Maranatha Associates</i>	Address (As shown on registration certificate) <i>715 Buck Wood Lane Lititz, PA 17543</i>

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address <i>Darwin H. Metzler 10 Snyder Hill Rd. Lititz, PA 17543</i>	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <i>A+P 189443760</i>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <i>3-21-97</i>	Signature of Authorized Individual <i>Darwin H. Metzler</i>
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7. Approval for Return To Service

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

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

Date of Approval or Rejection <i>3-21-97</i>	Certificate or Designation No. <i>189443760</i>	Signature of Authorized Individual <i>Darwin H. Metzler</i>
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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.)

Replaced existing engine air filter with Brackett filter assembly # BA-104 iaw STC SA693CE. Updated equip. list & no change to wt. & bal. - EMD —

Additional Sheets Are Attached

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

Number SA693CE

This certificate, issued to Brackett Aircraft Company, Inc.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part Specified under "Certification Basis" on the applicable Data Sheets or Aircraft Specifications.
Regulations.

Original Product — Type Certificate Number:

Make: As shown on Approved Model List(s).

Model:

NOTE: FAA - Approved Model List(s) form a part of this Certificate.

Description of Type Design Exchange:

Replace existing engine induction air filter with AC Spark Plug Division filter in accordance with Approved AC Filter List(s).

Limitations and Conditions: This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of the airplanes.

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

Date of application: March 2, 1970

Date issued: February 27, 1978, March 3, 1983

Date of issuance: March 26, 1970

Date amended: Date approved on Model List(s)



By direction of the Administrator

James A. Krueger
(Signature)

Supervisor, Aircraft Modification Section

(Title)

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

This certificate may be transferred in accordance with FAR 21.47.



US Department of Transportation
Federal Aviation Administration

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

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OMB No. 2120-0020

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Office identification

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1. Aircraft	Make Piper	Model PA32-300
	Serial No. 32-7940046	Nationality and Registration Mark USA N3004P
2. Owner	Name (As shown on registration certificate) Maranatha Associates	Address (As shown on registration certificate) 369 E. Millport Rd. Lititz, PA 17543

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 LANCASTER FLIGHT CENTER Lancaster Airport 500-H Airport Road Lititz, PA 17543	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. LQZR183U
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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 27 Aug 93	Signature of Authorized Individual <i>William E. Lee</i>
--------------------------	---

7. Approval for Return To Service

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

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

Date of Approval or Rejection 27 Aug 93	Certificate or Designation No. LQZR183U	Signature of Authorized Individual <i>William E. Lee</i>
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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.)

Removed piper rotating beacon assembly from top of vertical stabilizer. Installed Whelen HR, DF-A-14/28 in accordance with STC SA615EA and Whelen Installation and Service Manual dated Nov. 1, 1992. Weight change negligible, amended aircraft equipment list.

END

Additional Sheets Are Attached

HARTZELL PROPELLER INC.

SERVICE CENTER

One Propeller Place
Piqua, Ohio 45356-2634 U.S.A.

HARTZELL


**FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT
TO PIPER PA32()()-300 AIRPLANE MANUAL**

Serial No: 32-7940046 Registration No: N3004P

This supplement must be attached to the FAA Approved Airplane Flight Manual when the airplane is modified by the installation of a Hartzell HC-C3YR-1()F/F7663R propeller in accordance with STC #: SA1791GL.

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the Airplane Manual.

FAA Approved  Date AUG 29 1992

 Donald P. Michal, Manager
Chicago Aircraft
Certification Office
FAA Central Region

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

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-32-300
	SERIAL NO. 32-7940046	NATIONALITY AND REGISTRATION MARK N3004P
2. OWNER	NAME (As shown on registration certificate) Maranatha Associates	ADDRESS (As shown on registration certificate) 715 Buck Woods Lane Lititz, PA 17543

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
LANCASTER AVIATION INC. RD #3 BOX 375 AIRPORT ROAD LITITZ, PA 17543	<input type="checkbox"/> U.S. CERTIFICATED MECHANIC	CRS 110-4
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

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

DATE 6/15/90	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>James Dale Goe</i>
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7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE <input checked="" type="checkbox"/>	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 6/15/90	CERTIFICATE OR DESIGNATION NO. CRS 110-4	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Larry D Miller</i>		

NOTICE

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

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

June 15, 1990

The following was accomplished this date on Piper PA-32-300, serial #32-7940046, registration #N3004P.

The following equipment was removed:
NONE.

The following equipment was installed:
Northstar M-1A, Loran-C Receiver, CI-122SP Antenna and Preamp.

Installation accomplished in accordance with AC 43.13-2A Chapter 2 & 3, AC 20-121A and appropriate manufacturer's installation manuals.

Panel placarded "Loran C Not For IFR Use".
Loran CDI information selectable to the autopilot.

All equipment was functionally tested and found to perform its intended function with no adverse effects on other aircraft systems.

Weight & Balance change recalculated. Equipment list revised.

-----END-----

ADDITIONAL SHEETS ARE ATTACHED

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

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 PA32-300
	SERIAL NO. 32-7940046	NATIONALITY AND REGISTRATION MARK N3004P

2. OWNER	NAME (As shown on registration certificate) Maranatha Associates	ADDRESS (As shown on registration certificate) 715 Buck Wood Lane Lititz, PA 17543
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3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS AMI d/b/a Romar Aviation Lancaster Airport 500-H Airport Road Lititz, PA 17543	B. KIND OF AGENCY <input type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	C. CERTIFICATE NO. RS113-1
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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 August 14, 1989	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>James M. Leib</i>
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7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION 8-14-89	CERTIFICATE OR DESIGNATION NO. RS113-1	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>William A. Snyder</i>
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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.)

08-14-89

A/C N3004P

Installed Ray Ives "Auto-Vac-2" kit, instrument auxiliary vacuum system I/A/W
STC SE317NE on the instrument vacuum system in Aircraft described on other side.

Weight and balance records have been revised as necessary.

END

ADDITIONAL SHEETS ARE ATTACHED

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

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 PA32-300
	SERIAL NO. 32-7940046	NATIONALITY AND REGISTRATION MARK N3004P
2. OWNER	NAME (As shown on registration certificate) Maranatha Associates	ADDRESS (As shown on registration certificate) 715 Buck Wood Lane Lititz, PA 17543

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	IO-540-K1G5	RL-15240-48A		X
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS AMI d/b/a Romar Aviation Lancaster Airport 500-H Airport Road Lititz, PA 17543	B. KIND OF AGENCY <input type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	C. CERTIFICATE NO. RS113-1
---	--	-------------------------------

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 August 14, 1989	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>James M. Grib</i>
-------------------------	--

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	<input checked="" type="checkbox"/> CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION 8-14-89	CERTIFICATE OR DESIGNATION NO. RS113-1	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>William A. Snyder</i>
--	---	--

NOTICE

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

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

08-14-89

A/C N3004P

Installed Ray Ives "Auto-Vac-2" kit, instrument auxiliary vacuum system I/A/W STC SE319NE on the engine described on other side.

Weight and balance records have been revised as necessary.

END

ADDITIONAL SHEETS ARE ATTACHED

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

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- 32-300
	SERIAL NO. 32-7940046	NATIONALITY AND REGISTRATION MARK N3004P
2. OWNER	NAME (As shown on registration certificate) Maranatha Associates	ADDRESS (As shown on registration certificate) 696 E. Millport Road Lititz, Pa. 17543

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS Lancaster Aviation Inc. P.O. Box 375 Lititz, Pa. 17543	B. KIND OF AGENCY		C. CERTIFICATE NO. 110-4
	<input type="checkbox"/>	U.S. CERTIFICATED MECHANIC	
	<input type="checkbox"/>	FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/>	CERTIFICATED REPAIR STATION	
	<input type="checkbox"/>	MANUFACTURER	

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

DATE 6-18-87	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>James A. God</i>
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7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 6-18-87	CERTIFICATE OR DESIGNATION NO. 110-4	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Lanny D Miller</i>		

WEIGHT & BALANCE & EQUIPMENT LIST REVISION

N3004P	PA32-300	sn 32-7940046	8/20/82
	WEIGHT	ARM	MOMENT
ADDED:			
NARCO DME 890	4.2	65.0	273
PREVIOUS BASIC E.W. (2/20/79)	2081.2	80.8	168097
NEW BASIC E.W.	<u>2085.4</u>	<u>80.7</u>	<u>168370</u>
NEW USEFUL LOAD	<u>1318.8</u>		

Imbalthe
AERO MARINE ELECTRONICS
AIRGATE STATION - BOX 19154
SARASOTA - Bradenton Airport
SARASOTA, FLORIDA 33580
C. R. S. # 764 - 67

*Superseded
 6-19-87*