

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

Supplemental Type Certificate

Number SA02294CH

Authorized for use on N759BZ
with prop s/n 181303.

John A Nielsen

This certificate issued to
Flight Resource, LLC
P.O. Box 4
Bloomer, WI 54724

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations.

Original Product - Type Certificate Number:

Make:

Model:

*See attached FAA Approved Model List (AML)
No. SA02294CH for list of approved airplane models
and applicable airworthiness regulations.

Description of Type Design Change: Installation of an MT-Propeller MTV-(9 or 15)-D/205-58 or MTV-(9 or 15)-D/210-58 and spinner assembly in accordance with Flight Resource LLC, Master Document List Report ES1027-4, Revision C, dated 9/8/08, or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. The aircraft is to be operated in accordance with the Airplane Flight Manual Supplement (AFMS) as referenced in the Master Document List, Report ES1027-4, Revision C, dated 9/8/08.
3. Aircraft Specification limits are the same as listed on the Type Certification Data Sheet except as modified in accordance with the Approved AFMS.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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: September 27, 2004

Date of issuance: March 23, 2007

Date issued: December 17, 2008

Date suspended: December 17, 2008

By direction of the Administrator



Thaddeus D. Krolicki, Jr.
(Signature)

Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
Chicago 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.



U.S. 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 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 1958)

| | | | |
|--------------------|---|-------------------------------|--|
| 1. Aircraft | Nationality and Registration Mark N 759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | | Address (As shown on registration certificate) |
| | | | Address 304 S 13th ST City LARAMIE State WY Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---|--------------------|--|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Larry Hallock % Professional Aircraft Svc | | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 4824 Earnhart Road | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City LOVELAND | State CO | <input type="checkbox"/> Certificated Repair Station | A&P 2239535 |
| Zip 80538 | Country USA | <input type="checkbox"/> Certificated Maintenance Organization | |

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

| | |
|--|--|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 07-05-2019 Larry Hallock |
|--|--|

7. Approval for Return to Service

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

| | | | | |
|----|-----------------------------|----------------|--|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|--|--|
| Certificate or Designation No. IA2239535 | Signature/Date of Authorized Individual 07-05-2019 Larry Hallock |
|--|--|

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.)

N759BZ

07-05-2019

Nationality and Registration Mark

Date

1. COMPLETE INSTALLATION OF MT-PROPELLER, MODEL MTV-15-D/210-58, SERIAL # 181303, AND SPINNER ASSY. IN ACCORDANCE WITH FLIGHT RESOURCE LLC, MASTERE DOCUMENT LIST REPORT ES1027-4, REVISION C, DATED 9/8/08, OR LATER FAA APPROVED REVISION.
2. ALL WORK COMPLETED PER FLIGHT RESOURCE LLC STC SA02294CH.
3. WEIGHT & BALANCE AND EQUIPMENT LIST UPDATED ACCORDINGLY.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS:

- A. SEE FLIGHT RESOURCE LLC REPORT ES1027-9, REVISION B DATED 07-06-2014

-----END-----

Additional Sheets Are Attached

Supplemental Type Certificate

Number SA00496SE

This certificate, issued to

Oregon Aircraft Design, LLC
31338 N.W. Hillcrest
P. O. Box 1516
North Plains, OR 97133

*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 FAA Approved Model List

Make:

No. SA00496SE for a list of approved aircraft

Model:

models and applicable airworthiness regulations.

Description of the Type Design Change: Install Oregon Aircraft Design Engine Mount Heat Shields in accordance with Oregon Aircraft Design Drawing Lists and Installation Instructions per the attached Federal Aviation Administration (FAA) Approved Model List (AML) No. SA00496SE, dated January 21, 1998, or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the aircraft models listed on FAA AML No. SA00496SE only. This approval should not be extended to other aircraft on which other previously approved modifications are incorporated unless it is determined that the relationship 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 FAA AML SA00496SE must be maintained as part of the permanent records for the modified aircraft.

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: November 3, 1997

Date reissued:

Date of issuance: January 21, 1998

Date amended: December 20, 2000



By direction of the Administrator

Adrian J. ...

(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.

This certificate may be transferred in accordance with FAR 21.47.



U.S. Department of
Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/26/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). 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 N759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | Address (As shown on registration certificate) Address 304 S 13th ST | |
| | | City LARAMIE | State WY Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | |
|--|--|---|
| A. Agency's Name and Address Name <u>Larry Hallock Professional Aircraft Svc.</u> Address <u>4824 Earhart Road</u> City <u>Loveland</u> State <u>CO</u> Zip <u>80538</u> Country <u>USA</u> | B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization | <input type="checkbox"/> Manufacturer C. Certificate No. <u>A&P2239535</u> |
|--|--|---|

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

| | |
|--|---|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual <u>1-21-2020</u> |
|--|---|

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 | <input type="checkbox"/> FAA Fit Standards Inspector | <input type="checkbox"/> Manufacturer | <input type="checkbox"/> Maintenance Organization | <input type="checkbox"/> Person Approved by Canadian Department of Transport |
| | <input type="checkbox"/> FAA Designee | <input type="checkbox"/> Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|---|--|
| Certificate or Designation No. IA 2239535 | Signature/Date of Authorized Individual Larry Hallock 01-21-2020 |
|---|--|

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.)

N759BZ

01-21-2020

Nationality and Registration Mark

Date

1. INSTALL OREGON AIRCRAFT DESIGN ENGINE MOUNT HEAT SHIELDS IN ACCORDANCE WITH OREGON AIRCRAFT DESIGN DRAWING LISTS AND INSTALLATION INSTRUCTIONS PER FAA APPROVED MODEL LIST DATED JANUARY 21, 1998 OR LATER FAA APPROVED REVISIONS.
2. ALL WORK ACCOMPLISHED UNDER OREGON AIRCRAFT DESIGN, LLC . STC # SA00496SE.
3. EQUIPMENT LIST UPDATED ACCORDINGLY. WEIGHT & BALANCE CHANGE NEGLIGIBLE.

-----END-----

Additional Sheets Are Attached



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00344BO

This certificate issued to:

Whelen Engineering Co., Inc.
51 Winthrop Road
Chester, Connecticut 06412-0684

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: See attached FAA Approved Model List (AML), Document No.
Make: AML-140212, Revision 2, FAA approved on July 25, 2014, or later
Model: FAA approved revision, for the list of approved airplane models, applicable installation data requirements, and specific limitations.

Description of Type Design Change:

Installation of Parmetheus Plus LED PAR36 and PAR46 taxi and landing lights.

Limitations and Conditions:

1. Maintenance must be in accordance with Whelen STC Manual, Form 14793 dated July 7, 2014, or later FAA-approved revision.
2. Compatibility of this design with previously approved modifications must be determined by the installer.

Continued on Page 3

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

Date of Application: February 19, 2014

Date reissued: August 4, 2014

Date of Issuance: July 25, 2014

Date amended:

By direction of the Administrator

Signature 
Ann Mollica

COPY

Title Acting Manager, Boston Aircraft Certification Office

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



U.S. 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 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 1958).

| | | | |
|--------------------|---|-------------------------------|---|
| 1. Aircraft | Nationality and Registration Mark N 759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | | Address (As shown on registration certificate) 304 S 13th ST |
| | | | City LARAMIE State WY Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|--|--------------------|--|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Larry Hallock % Professional Aircraft Svc. | | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 4824 Earhart Road | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City Loveland | State CO | <input type="checkbox"/> Certificated Repair Station | A&P 2239535 |
| Zip 80538 | Country USA | <input type="checkbox"/> Certificated Maintenance Organization | |

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

| | |
|--|---|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 1-21-20 |
|--|---|

7. Approval for Return to Service

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

| | | | | |
|-----------|------------------------------|----------------|--|---|
| BY | FAA Fit Standard's Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|---|--|
| Certificate or Designation No. IA 2239535 | Signature/Date of Authorized Individual Larry Hallock 01-21-20 |
|---|--|

NOTICE

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

8. Description of Work Accomplished

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

N 759BZ

01-21-2020

Nationality and Registration Mark

Date

1. Remove HID landing and taxi lights. Install Whelen Parmetheus Plus LED PAR 36 landing and taxi lights.
2. All work accomplished under Whelen Engineering Company, Inc. STC # SA00344BO.
3. Equipment list updated. Weight and balance change negligible.

END

Additional Sheets Are Attached

Supplemental Type Certificate

Number SA01646SE

This certificate, issued to **Micro AeroDynamics, Inc.**
4000 Airport Road, Suite D
Anacortes, WA 98221

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 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: *See attached FAA Approved Model List (AML)
 Make: No. SA01646SE for a list of approved airplane
 Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Option 1: Installation of vortex generators on the wings, horizontal and vertical tail surfaces of the above model aircraft in accordance with Drawing Package MA2208, Revision IR, dated January 17, 2006, and Installation Manual MA2209, Revision IR, dated January 27, 2006, or later FAA approved revisions to these documents.

Option 2: If STC SA00796SE was previously installed, the installation of additional vortex generators on the vertical stabilizer in accordance with Micro AeroDynamics Drawing Package MA2208, Revision IR, dated January 17, 2006 and Installation Manual MA2210, Revision IR, dated January 27, 2006, or later FAA approved revision to any of these documents.

NOTE: If more than five vortex generators are damaged or missing, the aircraft is not airworthy.

Limitations and Conditions: Approval of this change in type design applies to the above aircraft only. This approval should not be extended to other aircraft on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any 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 must be maintained as part of the permanent records for the modified aircraft.

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: January 18, 2006
 Date of issuance: February 28, 2006

Date reissued:
 Date amended:



By direction of the Administrator

[Handwritten Signature]

(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.

This certificate may be transferred in accordance with FAR 21.47.



U.S. 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 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 1958).

| | | | |
|--------------------|---|---|--------|
| 1. Aircraft | Nationality and Registration Mark N 759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | Address (As shown on registration certificate) Address 304 S 13th ST. City LARAMIE State WY Zip 82070-4101 Country USA | |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | |
|---|--|
| A. Agency's Name and Address Name Larry Hallock % Professional Aircraft Svc Address 4824 Earhart Road City LOVELAND State CO Zip 80538 Country USA | 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"/> Certificated Maintenance Organization <input type="checkbox"/> Manufacturer C. Certificate No. A&P 2239535 |
|---|--|

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

| | |
|--|---|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 1-21-20 |
|--|---|

7. Approval for Return to Service

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

| | | | | |
|-----------|-----------------------------|----------------|-----------------------------------|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | X Inspection Authorization | Other (Specify) |

| | |
|--|--|
| Certificate or Designation No. IA2239535 | Signature/Date of Authorized Individual 01-21-20 Larry Hallock |
|--|--|

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.)

N759BZ

01-21-20

Nationality and Registration Mark

Date

1. Inspect previously Installed Micro Aerodynamics, Inc. vortex generators on the wings, horizontal and vertical tail surfaces in accordance with drawing package MA2208, Revision IR, dated January 17, 2006 and Installation Manual MA2209, Revision IR, dated January 27, 2006.
2. All work accomplished under Micro Aerodynamics, Inc. STC # SA01646SE, Option 1.
3. Weight change is negligible.
4. Instructions for Continued Airworthines of Micro Vortex Generator Installations are stated on the VG Operating Placard # MA8001 which must be installed in an easily seen location in the cockpit. This placard states: " if more than 5 VG's are damaged or missing, the aircraft is not airworthy." To make it airworthy, the missing VG's in excess of five need to be replaced. The VG's should be examined prior to each flight, during the pre-flight inspection, to determine if any are missing or damaged. Missing or damaged VG's in excess of five need to be replaced by the installation of a new (replacement) part. Installation is accomplished with Loctite Depend Adhesive #330. No other maintenance or inspections are necessary.

-----END-----

Additional Sheets Are Attached

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

Number SA615EA

This Certificate issued to Whelen Engineering Company, Inc.
51 Winthrop Road
Chester, Connecticut 06412-0684

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 3, 6, 23, 27 of the Civil Air/Federal Aviation Regulations.

Original Product Type Certificate Number: Sec Attached Eligibility List dated May 5, 2010

Make:

Model:

Description of Type Design Change:

Installation of Whelen Anti-Collision Strobe Light Systems, Part Number 01-0770006-(), 01-0770028-(), 01-0770029-(), 01-0770062-(), 01-0770900-(), 01-0771055-(), 01-0771080-(), and 01-0790520-() as replacement for originally installed anti-collision lights, when installed in accordance with Whelen Anti-Collision Light Systems Installation and Service Manual, Document No. 05131, Rev B, dated June 2010, or later FAA-approved revision.

Limitations and Conditions:

(See continuation sheet 3 of 7)

The STC holder will provide each person it permits to use this certificate to alter the product written evidence of the agreement in a form acceptable to the Administrator.

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: February 19, 1968

Date reissued: July 6, 2010

Date of issuance: May 14, 1968

Date amended: May 5, 2010

See page 3 for amendment history.



By direction of the Administrator

Robert G. Mann
Manager, Boston 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.

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA615EA
Date Amended: May 5, 2010
Date Reissued: July 6, 2010

Limitations and Conditions (Continued):

1. These lights comply with the anti-collision light standards of the FARs as follows:
 - a. With the red or combined red/white lens, those effective on or prior to August 10, 1971.
 - b. With the white lens, those effective on August 11, 1971.
2. Install the following placard Whelen Part No. A421, or other FAA approved equivalent:

WARNING

TO AVOID OPTICAL ILLUSION AND SEVERE VERTIGO, TURN
ANTI-COLLISION LIGHTS OFF UPON ENTERING CLOUDS, FOG OR HAZE

3. The aircraft listed on the Eligibility List are those which have had both the physical installation of the lights substantiated and the field of coverage checked including the 20° mask. Aircraft not included in the list can use these lights when the physical installation and field of coverage is substantiated as indicated in the Whelen Anti-Collision Light Systems Installation and Service Manual, June 2010, Document No. 05131, Rev B, or later FAA-approved revision, section titled "Aircraft Not Specifically Mentioned on the Eligibility List".
4. The approval of this change in type design applies basically to aircraft listed on the attached eligibility list. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of the aircraft. This determination should include a night flight check as specified in AC 43.13-2, Chapter 4, Paragraph 42a.

NOTE: Aircraft whose application for type certificate was made before April 1, 1957, may, but need not, comply with the field of coverage requirements of FAR 23(27).1401(b). Compliance with FAR 91.33(c) may be shown provided the light installation is in accordance with data approved prior to August 11, 1971, and the applicable criteria of Advisory Circular 43.13-2 are met.

AMENDMENT HISTORY:

This STC has been previously amended on the following dates:

7/15/68, 7/19/68, 11/25/68; 1/17/69, 2/18/69, 4/18/69; 3/3/70, 12/10/70; 4/21/71, 9/14/71; 5/18/72, 9/22/72, 11/7/72; 7/21/76;
10/4/78; 3/26/81, 8/5/81, 8/25/81; 5/21/82; 7/16/91; 6/7/99; 6/18/99; 6/17/05, 2/22/07.

United States Of America
 Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA615EA

Date Amended: May 5, 2010

Date Reissued: July 6, 2010

ELIGIBILITY LIST May 5, 2010

| <u>AIRCRAFT MANUFACTURER</u> | <u>MODEL</u> | <u>TYPE CERTIFICATE</u> |
|------------------------------|---|-------------------------|
| Aero Commander | *100, 100-180 | 1A21 |
| | 111 | A11SO |
| | 112 | A12SO |
| | 500, 500-A, 500-B, 500-S, 500-U, 520, 560, 560A, 560E | 6A1 |
| | 560F, 680, 680E, -F, 720 680FL, 680FL(P), 680T, V, W, 681, 690, 685 | 2A4 |
| American Aviation | *AA-1, *AA-1A | A11EA |
| | AA-5 | A16EA |
| Beech | 23, A23, A23A, A23-19, -24, -19A, B19, M19A, B23, C23, A24, A24R | A1CE |
| | 35, A35, B35, C35, D35, E35, F35 G35, 35R | A-777 |
| | H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, 36, A36, A36TC, B36TC, G36, E33, E33A, E33C, F33, F33A, F33C | 3A15 |
| | 50(L-23A), B50(L-23B), C50, D50(L-23E), D50A, D50B, D50C, D50E, E50(L-23D, RL-23D), F50, G50, H50, J50 | 5A4 |
| | 95-55, 95-A55, 95-B55, 95-B55B(T-42A) 95-B55D, 95C55, 95, B95, B95A, D95A, E95, D55, D55A, E55, E55A, 56TC, A56TC, 58 | 3A16 |
| | 65(L23F), A65, A65-8200, 65-8200, 65-80 65-A80-8800, 65-B80, 65-88, B90, C90, 65-90, 65-A90, 65-A90-1, (U-21A, RU-21A, RU-21D), 65-A90-2, (RU-21B), 65-A90-3 (RU-21C), 70 | 3A20 |

Any alteration of this certificate is punishable by a fine of not exceeding \$1,600, or imprisonment not exceeding 3 years, or both.

United States Of America
 Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate
 (Continuation Sheet)

Number SA615EA

Date Amended: May 5, 2010

Date Reissued: July 6, 2010

ELIGIBILITY LIST May 5, 2010

| <u>AIRCRAFT MANUFACTURER</u> | <u>MODEL</u> | <u>TYPE CERTIFICATE</u> |
|--|---|-------------------------|
| Beech (Cont'd) | 60, A60 | A12CE |
| | 99, 99A, 100 | A14CE |
| Bellanca | 14-19-3A, 17-30, 17-30A, 17-31A 17-31ATC | 1A3 |
| | 7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KCAB | A-759 |
| Bell | 206A, 206B 206L, 206L-1, 206L-3, 206L-4, 407 | H2SW |
| | 47B, B3, D, D1, E, G, G-2, H-1 | H-1 |
| | 47G-2A, -2A-1, -3, -3B, -3B-1, -3B-27 4, -4A, -5, -5A | 2H3 |
| | 47J, K, J-2, J-2A | 2H1 |
| Britten Norman | BN-2, -2A, -2A-2, -2A-6, -2A-8 | A17EU |
| | BN-2A, MK.III | A29EU |
| Cessna | 150, 150A, B, C, D, E, F, G, H, J, K, L, M, A150K, A150L, A150M, 152, A152 | 3A19 |
| | 172, 172A, B, C, D, E, F, G, H, I, K, L, M, N, P | 3A12 |
| | 175, 175A, B, D, P172D, 172RG | 3A17 |
| | 177, 177A, B | A13CE |
| | 177RG | A20CE |
| | 180, 180A, B, C, D, E, F, G, H, J, K | 5A6 |
| | 182, 182A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, T182, R182, TR182 | 3A13 |
| 185, 185A, B, C, D, E, A185E, A185F 188, 188A, B, A188, A188A, A188B, T188C | 3A24 A9CE | |

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

United States Of America
 Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
 (Continuation Sheet)

Number SA615EA

Date Amended: May 5, 2010

Date Reissued: July 6, 2010

ELIGIBILITY LIST May 5, 2010

| AIRCRAFT MANUFACTURER | MODEL | TYPE CERTIFICATE |
|--|---|------------------|
| Cessna (Cont'd) | 206, P206, P206A, B, C, D, E, TU206A, B, C, D, E, F, G, TP206A, B, C, D, E, U206, U206A, B, C, D, E, F, G | A4CE |
| | 207, 207A, T207, T207A | A16CE |
| | 210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, 210-5(205), 210-5A(205A), T201K, 210L T210L, T210M, T210N, 210N, P210N | 3A21 |
| | 310, 310A, B, C, D, E, F, G, H, I, J, 310J-1, E310J, 310K, L, N, P, T310P, 310Q, T310Q | 3A10 |
| | *320, A, B, C, D, E, F, 320-1, 340, 340A | 3A25 |
| | *336 | A2CE |
| | 337, 337A, B, C, D, E, F, T337D, E F, G | A6CE |
| *401, 401A, B, 402, 402A, B, 411, 411A 421, 421A, 414, 421B | A7CE | |
| DeHavilland of Canada | DHC-2, MK. I, MK. II, MK. III | A-806 |
| | DHC-3 | A-815 |
| | DHC-6, Models 1, 100, 110, 200, 210, 300 | A9EA |
| Fairchild Hiller | FH-1100 | H2WE |
| Helio | H-250, H-295, H-391, H-391B, H-395 H-395A | 1A8 |
| Hughes | 269A, 269A-1, 269B, 269C | 4H12 |
| | 369, A, H, HM, HS, HE 369D, 369E, 369F, 369FF, 500N, 600N | H3WE |

Any alteration of this certificate is punishable by a fine of not exceeding \$1,500, or imprisonment not exceeding 3 years, or both.

United States Of America
 Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate
 (Continuation Sheet)

Number SA615EA

Date Amended: May 5, 2010

Date Reissued: July 6, 2010

ELIGIBILITY LIST May 5, 2010

| <u>AIRCRAFT MANUFACTURER</u> | <u>MODEL</u> | <u>TYPE CERTIFICATE</u> |
|------------------------------|---|-------------------------|
| Piper | **PA-11 | A-691 |
| | **PA-12 | A-780 |
| | **PA-14 | A-797 |
| | **PA-15 | A-800 |
| | **PA-16 | 1A1 |
| | **PA-17 | A-805 |
| | **PA-18 Series, PA-19 | 1A2 |
| | **PA-20 | 1A4 |
| | **PA-22 Series | 1A6 |
| | **PA-25 Series | 2A8 |
| | PA-23, PA-23-160, *PA-23-235 *PA-23-250, *PA-E23-250 | 1A10 |
| | PA-24, -24-250, -24-260, -24-400 | 1A15 |
| | PA-28-140, -28-150, -28-151, -28-160, -28-161, -28-180, -28-235, -28S-160, -28R-180, -28S-180, -28-181, -28R-200, -28R-201, -28R-201T, -28RT-201, -28RT-201T, -28-201T, -28-236 | 2A13 |
| PA-30, PA-39 | A1EA | |
| PA-31P | A8EA | |
| PA-31, PA-31-300, 325, 350 | A20SO | |
| PA-32-260, -300, -32S-300 | A3SO | |

NOTES TO ELIGIBILITY LIST:

*1. Aircraft as marked require specific attention to proper balancing of the rudder. Refer to the Manufacturer's Service Manual for balancing instructions.

**2. Installations on these aircraft require prior or concurrent installation of STC SA4-977.



U.S. 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 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 1958)

| | | | |
|--------------------|---|---|---|
| 1. Aircraft | Nationality and Registration Mark N 759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | Address (As shown on registration certificate) 304 S 13th ST | |
| | | City LARAMIE | State WY Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|--|--------------------|--|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Larry Hallock % Professional Aircraft Svc. | | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address 4824 Earhart Road | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City Loveland | State CO | <input type="checkbox"/> Certificated Repair Station | A&P 2239535 |
| Zip 80538 | Country usa | <input type="checkbox"/> Certificated Maintenance Organization | |

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

| | |
|--|---|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 1-21-20 |
|--|---|

7. Approval for Return to Service

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

| | | | | |
|----|-----------------------------|----------------|--|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|---|--|
| Certificate or Designation No. IA 2239535 | Signature/Date of Authorized Individual Larry Hallock 01-21-20 |
|---|--|

NOTICE

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

8. Description of Work Accomplished

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

N 759BZ

01-21-2020

Nationality and Registration Mark

Date

1. Install LED Whelen Anti-Collision Strobe light systems, Part # 01-0771055-00 as replacements for originally installed anti-collision lights on the vertical fin in accordance with Whelen Anti-Collision Light Systems Installation and Service Manual, dated June 2010, Document No. 05131, Rev-B, or later FAA approved revision.
2. All work accomplished under Whelen Engineering Company, Inc. STC # SA615EA.
3. Equipment list updated. Weight and balance change negligible.

-----END-----

Additional Sheets Are Attached

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

Supplemental Type Certificate

IMPORT

Number SA01386NY

This certificate issued to Maple Leaf Aviation Limited
Group 520, Box 16, RR5
Brandon, MB R7A 5Y5
Canada

*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 FAA Approved Model List (AML) No. for list of approved airplane models and applicable airworthiness regulations

Make:

Model:

Description of Type Design Change:

Installation of Fibre Glass Reinforced Plastic Nacelle Fairing, Trade Name: "Exhaust Fairing", in accordance with DOT approved Maple Leaf Installation Drawing Numbers. EP5003 (Cessna 172, 177 and 177RG aircraft) and EP 5004 (Cessna 180, 182 and 185 aircraft), dated August 8, 2001.

Limitations and Conditions:

1. 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.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.

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: February 20, 2001

Date reissued: October 9, 2002

Date of issuance: September 5, 2001

Date amended:



By direction of the Administrator

James E. Delisio
(Signature)

for Vito A. Pulera
Manager
New York Aircraft Certification Office

(Title)



U.S. 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 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 1958)

| | | | |
|--------------------|---|---|--|
| 1. Aircraft | Nationality and Registration Mark N 759BZ | Serial No. 18265875 | |
| | Make CESSNA | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON, SAMUEL L. | Address (As shown on registration certificate) Address 304 S 13th ST | |
| | | City LARAMIE State WY | Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|---------------|
| Repair | Alteration | Unit | Make | Model | Serial Number |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---|--------------------|--|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Larry Hallock % Professional Aircraft Svc | | <input checked="" type="checkbox"/> U.S. Certified Mechanic | <input type="checkbox"/> Manufacturer |
| Address 4824 Earhart Road | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City LOVELAND | State CO | <input type="checkbox"/> Certificated Repair Station | A&P 2239535 |
| Zip 80538 | Country USA | <input type="checkbox"/> Certificated Maintenance Organization | |

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

| | |
|--|--|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual 10-21-2013 Larry Hallock |
|--|--|

7. Approval for Return to Service

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

| | | | | |
|-----------|-----------------------------|----------------|--|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|--|--|
| Certificate or Designation No. IA2239535 | Signature/Date of Authorized Individual 10-21-2013 Larry Hallock |
|--|--|

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.)

N759BZ

10-21-2013

Nationality and Registration Mark

Date

1. INSTALL MAPLE LEAF AVIATION LIMITED " EXHAUST FAIRING" , PART NO. EP5002-002, SERIAL NO. EF182-00396F.
2. INSTALLATION COMPLETED PER MAPLE LEAF AVIATION LIMITED'S INSTALLATION DRAWING NUMBER EP 5004 DATED AUGUST 8, 2001.
3. INSTALLATION APPROVED UNDER MAPLE LEAF AVIATION LIMITED STC # SA01386NY.
4. EQUIPMENT LIST UPDATED. WEIGHT & BALANCE CHANGED ACCORDINGLY.

----- END -----

Additional Sheets Are Attached

| | | | | | |
|--|---|---|--|---|---------------------------|
|  U.S. Department of Transportation Federal Aviation Administration | <h2 style="margin:0;">MAJOR REPAIR AND ALTERATION</h2> <h3 style="margin:0;">(Airframe, Powerplant, Propeller, or Appliance)</h3> | Form Approved OMB No. 2120-0020 11/30/2007 | Electronic Tracking Number For FAA Use Only | | |
| <p style="font-size: x-small;">INSTRUCTIONS: Print or type all entries. See Title CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. 46301(a)).</p> | | | | | |
| 1. Aircraft | Nationality and Registration Mark N759BZ | Serial No. 18265875 | | | |
| | Make Cessna | Model 182Q | Series | | |
| 2. Owner | Name (As shown on registration certificate) Robson Samuel L | Address (As shown on registration certificate) Address 304 S 13TH ST City Larimer State WI Zip 82070-4101 Country U.S.A. | | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> The technical data identified herein has been found to comply with the applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity inspection by a person authorized in CFR title 14, Part 43, section 43.7. Approving Inspector: <i>Leticia S. Suman</i> Date: <i>7/21/2010</i> Denver FSDO, NM-03 </div> | | | | | |
| 5. Unit Identification | | | | | |
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in item 1 above) | |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | _____ | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | _____ | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type _____ Manufacturer _____ | | |
| 6. Conformity Statement | | | | | |
| A. Agency's Name and Address | | | B. Kind of Agency | | |
| Name | Gerald L. Gates | | <input checked="" type="checkbox"/> | U.S. Certificated Mechanic | Manufacturer |
| Address | 5235 Gulf Stream Court | | <input type="checkbox"/> | Foreign Certificated Mechanic | C. Certificate No. |
| City | Loveland | State CO | <input type="checkbox"/> | Certificated Repair Station | 3030583 |
| Zip | 80538 | Country U.S.A. | <input type="checkbox"/> | Certificated Maintenance Organization | |
| D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. | | | | | |
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | | Signature/Date of Authorized Individual <i>Gerald L. Gates</i> 7/21/2010 | | | |
| 7. Approval for Return To Service | | | | | |
| Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport | |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) | |
| Certificate or Designation No. IA 3030583 | | Signature/Date of Authorized Individual <i>Gerald L. Gates</i> 9/9/2010 | | | |

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.)

| | |
|-----------------------------------|-----------|
| N759BZ | 7/20/2010 |
| Nationality and Registration Mark | Date |

1. Installed Advanced Flight Systems, INC. ANGLE OF ATTACK, Instrument, Part number SPORT110510V1, serial number 40,053. This advisory instrument technically measures angles from zero lift and the display indicates 0 units of Angle of Attack when creating no lift. This instrument is a stand alone system. The AOA utilizes pressure from two pressure ports located in the aircraft's upper and lower air foil and pressures from a stand alone Skycraft pitot static head. The instrument requires calibrating in flight and permanently records two coefficient of pressure measurements to the computer memory. The AOA display instrument is a four color liquid crystal display located in the pilot's instrument panel on the left side. The display provided information and warnings when the AOA is at critical angles such as warnings when the angle from zero lift is approaching an unsafe AOA, and when the airfoil is operating at the optimum AOA for an approach and operating at some other performance related AOA such as the maximum endurance or best glide angle. This instrument is placarded "NEVER FOR PRIMARY USE" next to the LCD display on the instrument panel.
2. Installation: A 1.010 x 2.248 inch cutout was made in the left side of the pilot's instrument panel and the LCD was mounted using four 4/40 screws. Weight of the LCD is .125 lbs. The CPU tray was installed under the radio rack and attached to the existing radio mounting trays. The CPU is located at sta. 15.0 and centerline. The CPU weighs .9 lbs. Electrical power is supplied to the unit through a TSC's 1 amp pullable circuit breaker marked AOA. Wiring is all MIL-W-27759/16 wire. A flap down position switch was mounted in the left wing and utilized existing blind nuts on the rear spar for support of the mounting bracket. The micro switch arm contacts the flap bellcrank as the flaps are lowered and is mounted in such a manner as to prevent possible interference with the operation of the flap bellcrank. The wing pressure ports are located in the left wing 17 inches aft of the leading edge of the wing at station 118.0 on the top and bottom wing skins. The drain port is located 17 inches aft of the leading edge of the wing at station 112.0. The ports are mounted to the upper and lower wing skins using two 4/40 screws through a .032" 2024T3 doubler plate. The pressure port holes are .050 inches and are placarded with "AOA PRESSURE PORT". The pitot static probe was installed in an existing inspection plate cover located at station 68.0 and 6 inches outboard from the aircraft pitot probe. A .032" 2024T3 doubler was added to the inspection plate cover to support the newly installed pitot static probe. The inspection cover is secured with six screws. The four 1/16" pressure tubes and the flap down wire was routed to the CPU, through existing wiring supports located inside the leading edge of the wing. All work was done in accordance with the aircraft service manual and AC 43.13 1B Chapter 11 section 3 Chapter 12 section 1; AC43.13 2B Chapter 1 and 2 and Advanced Flight Systems, INC. installation operational handbook dated May 1, 1999, Verification Check List DOC dated 01/02, and Sport Calibration Check List DOC dated 05/01. All installations completed using standard "AN" or manufacturer's supplied hardware.
3. Aircraft recertified in accordance with FAR 91.413 and 91.411.
4. Functional Ground tests and calibration satisfactory in accordance with Advanced Flight Systems, INC. Verification Check List DOC dated 01/02 and Sport Calibration Check List .DOC dated 05/01.
5. Functional flight evaluations satisfactory in accordance with Advanced Flight Systems, INC. Sport Calibration Check List. DOC dated 05/01. Results recorded in the CPU.
6. Weight and Balance and equipment list amended.
7. Log entry completed.
8. No adverse effects to magnetic compass noted.
9. Load analysis completed and found not to exceed 80% of the alternator maximum output (Continuous and intermittent)
10. Instructions for continued airworthiness attached.

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

Additional Sheets Are Attached

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

Supplemental Type Certificate

Number SA03608AT

This certificate issued to
Trolltune Corporation
2710 Thomas Avenue
Cheyenne, WY 82001

certifies that the change in the type design for the following product with the limitations and conditions herefor as specified herein meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product - Type Certificate Number: 3A13
Make: Cessna
Model: 182P and 182Q (For Specific Applicable Models See Page 2)

Description of Type Design Change: Increased Maximum Gross Takeoff Weight (MGTO) in accordance with Trolltune Corporation Master Data List (MDL), Document Number ED5000-SW, Revision 6, dated August 20, 2008 or later FAA approved revision. This STC allows a 150 lb. increase to the MGTO, from 2950 to 3100 lbs. There is no change to the maximum landing weight of 2950 lbs.

Limitations and Conditions:
Airplane Flight Manual Supplements (AFMS), dated August 22, 2008 or later FAA approved revision for the applicable Cessna models 182P and 182Q, is a required part of this STC. See Continuation Sheet (page 2) for specific AFMS, model number and serial number applicability. Instructions for Continued Airworthiness (ICA), Trolltune Corporation Document No. ED5004-SW, Revision 1/R, dated April 17, 2008, or later FAA approved revision, is also a required part of this STC, and must be incorporated into the operator's maintenance program.

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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.

(Continued on page 2 of 2)

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.

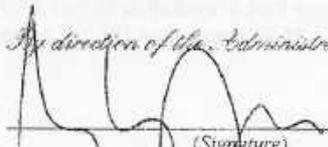
Date of application: February 17, 2006

Date of issuance: August 25, 2008

Date reissued:

Date amended:

By direction of the Administrator


(Signature)
Melvin D. Taylor, Manager
Atlanta Aircraft Certification Office
(Title)





U.S. 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 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 N159BZ | Serial No. 18265875 | |
| | Make Cessna | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) Robson Samuel L | Address (As shown on registration certificate) Address 304 S 13th St | |
| | | City Laramie | State WY Zip 82070-4101 Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|-------------------------------------|---------------------|--|--------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name | Mark D. Bushong | <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization | Manufacturer |
| Address | 5235 Gulf Stream Ct | | C. Certificate No. |
| City | Loveland State CO | | 2689010 |
| Zip | 80538 Country USA | | |

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

| | |
|--|--|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual Mark D. Bushong 31 May 2010 |
|--|--|

7. Approval for Return To Service

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

| | | | | |
|----|-----------------------------|----------------|--|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

| | |
|---|--|
| Certificate or Designation No. 2689010IA | Signature/Date of Authorized Individual Mark D. Bushong 31 May 2010 |
|---|--|

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.)

N759BZ

Nationality and Registration Mark

31 May 2010

Date

1. Installed STC SA03608AT for Maximum Gross Takeoff Weight Increase.
2. STC consists of amendments to aircraft documentation.
3. Installed FAA approved Supplemental Airplane Flight Manual, No. SFM7504-SW-R, dated 22 Aug 2008.
4. Instructions for Continued Airworthiness, Revision I/R, dated 17 Apr 2008, added to aircraft documents.

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

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

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

| | |
|--|----------------------------|
| Form Approved OMB No. 2120-0020 11/30/2007 | Electronic Tracking Number |
| For FAA Use Only | |

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

| | | | |
|--------------------|---|------------------------|----------------|
| 1. Aircraft | Nationality and Registration Mark N759BZ | Serial No. 18265875 | |
| | Make Cessna | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | | |
| | Address (As shown on registration certificate) | | |
| | Address 304 S. 13th ST. | | |
| | City Laramie | State WY | Zip 82070-4101 |
| | | Country USA | |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|-------------------------------------|--------------------------|------------------------|--------------|---------------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | AIRFRAME | _____ | <i>(As described in item 1 above)</i> | |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|-------------------------------------|--|--------------------------|--|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Jason G. Frederick | <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization | Manufacturer | |
| Address 5235 Gulfstream Court | | C. Certificate No. | |
| City Loveland State CO | | 3221507 | |
| Zip 80538 Country USA | | | |

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

| | |
|--|--|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual Jason G. Frederick 09-16-08 |
|--|--|

7. Approval for Return To Service

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

| | | | | |
|---|------------------------------|---|--|---|
| BY | FAA Fit. Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |
| Certificate or Designation No. 2689010 | | Signature/Date of Authorized Individual Mark D. Bushong 09-16-08 | | |

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.)

N759BZ

09-16-08

Nationality and Registration Mark

Date

1. Removed existing left outboard seat rail for pilot position.
2. Installed new seat rail, McFarlane Aviation part number MC0710658-2 .
3. Work performed in accordance with AC43.13-1B, Section 4-50, and 4-52.
4. No change to equipment list or weight and balance.

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

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

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

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

For FAA Use Only

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

| | | | |
|--------------------|--|--|-------------|
| 1. Aircraft | Nationality and Registration Mark USA N759BZ | Serial No. 18265875 | |
| | Make Cessna | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) ROBSON SAMUEL L | Address (As shown on registration certificate) | |
| | | Address 304 S 13th ST | |
| | | City Laramie | State WY |
| | | Zip 82070 | Country USA |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|-------------------------------------|-------------------------------|---|---------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Avionics Specialists LLC | Address 5235 Gulfstream Court | U.S. Certificated Mechanic | Manufacturer |
| City Loveland State CO | Zip 80538 Country USA | Foreign Certificated Mechanic | C. Certificate No. |
| | | <input checked="" type="checkbox"/> Certificated Repair Station | YOXR999X |
| | | <input type="checkbox"/> Certificated Maintenance Organization | |

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

Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual Paul J. Stooksbury Paul J. Stooksbury 08-29-2007

7. Approval for Return To Service

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

| | | | | | |
|--|------------------------------|-------------------------------------|--|--------------------------|---|
| BY | FAA Fit. Standards Inspector | | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | <input checked="" type="checkbox"/> | Repair Station | Inspection Authorization | Other (Specify) |
| Certificate or Designation No. YOXR999X | | | Signature/Date of Authorized Individual <u>Paul J. Stooksbury</u> Paul J. Stooksbury 08-29-2007 | | |

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.)

USA N759BZ

08-29-2007

Nationality and Registration Mark

Date

Work Performed on Cessna 182Q, s/n 18265875, N759BZ, on 08-29-2007:

Validated that the previous installation of one GNS 430 was installed IAW with Garmin instructions and approved via an FAA-stamped field approval document on FAA form 337 dated Dec. 10, 1999. Verified this aircraft and all interfaced equipment are covered under the STC AML. Existing GNS 430 was removed and upgraded to a GNS 430W. The existing location of the GNS 430 was determined to meet the field-of-view requirements without the need for external annunciation. The existing RG-400 antenna cable was inspected and found to be satisfactory and IAW the STC AML installation data. The existing wiring and shielding was inspected and determined to be IAW the STC AML installation data. The existing GA56 antenna was removed and replaced with a GA 35 antenna using the approved mounting provisions of the previous installation.

A summary of the modification done to the aircraft is as follows:

1. Removed one (1) Garmin GA 56 Antenna, P/N 011-00134-00 and installed one (1) new GA 35 GPS/WAAS Antenna P/N 013-00235-00, S/N 19300 using the provisions left behind from the standard antenna IAW with Garmin upgrade manual P/N 190-00357-06 Rev B and STC no. SA01933LA.
2. Removed Garmin GNS 430 P/N 011-00280-10, s/n 96304297 unit and installed Garmin GNS 430W, P/N 011-01060-40, S/N 96304297, using the provision left behind from the standard 430 unit. Installation done IAW with Garmin upgrade installation manual P/N 190-00357-06 Rev B and STC no. SA01933LA.
3. The GNS 430W was configured identical to the original 430 unit. Each interface was checked out IAW the 430W Installation Manual P/N 190-00356-02 Section 5. A copy of the checkout log was completed and included with the aircraft maintenance records.
4. Removed the Aircraft Flight Manual Supplement for the GNS 430 and installed a GNS 430W AFMS P/N 190-00356-63, FAA Approved date 12/21/2006 into the Aircraft Flight Manual.
5. Updated the aircraft Equipment List and Weight and Balance to reflect the new WAAS unit. The current electrical load analysis remains valid since the new unit draws the same or less current than the original unit.

Instructions for Continued Airworthiness (ICA):

GNS 430W - Included Garmin document P/N 190-00356-65, GNS 430W Instructions for Continued Airworthiness in the aircraft maintenance records.

Note: These supersede ICAW data for the previously installed GNS 430.

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

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

| | | | | |
|--------------------|--|------------------------|--|----------------|
| 1. Aircraft | Nationality and Registration Mark USA N759BZ | Serial No. 18265875 | | |
| | Make Cessna | Model 182Q | Series | |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | | Address (As shown on registration certificate) | |
| | | | Address 304 S. 13th Street | |
| | | | City Laramie | State WY |
| | | | Zip 82070 | Country U.S.A. |

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized by FAR Part 43, Section 43.7. The person performing this work must determine interrelationship with any previous modification or repair.

Date: _____ Signature: _____

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|-----------------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in item 1 above) | |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | _____ | _____ | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | _____ | _____ | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type _____ | _____ | _____ |
| | | | Manufacturer _____ | _____ | _____ |

6. Conformity Statement

| | | | |
|-------------------------------------|--|--|--------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name Daniel M. Jensen | Address P.O. Box 493 City Akron State CO Zip 80720 Country USA | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | Manufacturer |
| | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| | | <input type="checkbox"/> Certificated Repair Station | 501668792 |
| | | <input type="checkbox"/> Certificated Maintenance Organization | |

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

Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual
Daniel M. Jensen Daniel M. Jensen 7-31-2007

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 Flight Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |
| Certificate or Designation No. 501668792 | | Signature/Date of Authorized Individual <i>Daniel M. Jensen</i> Daniel M. Jensen 7-31-2007 | | |

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.)

759BZ

7-31-2007

Nationality and Registration Mark

Date

Balanced propeller using "ACES 1000 System" and attached weights to spinner bulkhead in accordance with "ACES guide to propeller balancing manual OH1000 Rev. 2.
Final Results: .04 IPS.

-----END-----

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

Additional Sheets Are Attached

Supplemental Type Certificate

Number SA3825SW

This certificate issued to Todd or Jo Peterson
1465 SE 30th
El Dorado Municipal Airport
El Dorado, KS 67042

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of CAR 3 of the Regulations.

Original Product Type Certificate Number: 3A13
Make: Cessna
Model: 182E, F, G, H, J, K, L, M, N, P, Q, and R

Description of Type Design Change:

Installation of a Teledyne Continental IO-470-F engine, fuel system modifications, and a McCauley D2A34C58/90AT-8 (82" dia.) or 2A34C66/90AT-8 (82" dia.) or 2A34C50/90A-8 (82" dia.), or Hartzell BHC-G2YF-BF/F8468A-2R (82" dia.) propeller.

Data Required:

1. A copy of this certificate, and Item 2, QR 3, below;
2. Advanced Lift Systems drawing 1000-100-1, Revision (E), dated August 3, 1987 and Airplane Flight Manual Supplement dated August 12, 1987.
3. Advanced Lift Systems drawing 1000-100-1, Revision (G), dated June 29, 2004 and Drawing Change Notices (DCN) No. 1, 2 and 3 FAA approved March 30, 2006 or later FAA approved revision and, Supplemental Airplane Flight Manual or Airplane Flight Manual Supplement 1000-101, Revision (A), dated March 30, 2006 or later FAA approved revision and, Instructions for Continued Airworthiness (ICA), 1000-100, Revision (-), dated August 5, 2005.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. If the STC 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.
3. Approval of this change in type design applies to the above model airplanes only.
4. A copy of this certificate and the ICA shall be maintained in the airplane permanent records.

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: September 13, 1986

Date issued: February 9, 2006, July 3, 2001

Date of issuance: August 12, 1987

Date amended: November 3, 1987, March 30, 2006



By direction of the Administrator

Dan Withers
(Signature)

Dan Withers
Program Manager
Wichita Aircraft Certification Office

(Title)



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

| | | | |
|--------------------|--|---|--------|
| 1. Aircraft | Nationality and Registration Mark USA N759BZ | Serial No. 18265875 | |
| | Make Cessna | Model 182Q | Series |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | Address (As shown on registration certificate) Address 304 S. 13th Street | |
| | | City Laramie State WY Zip 82070 Country U.S.A. | |

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized by FAR Part 43, Section 43.7. The person performing this work must determine interrelationship with any previous modification or repair.

Date: _____ Signature: _____

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|-----------------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type _____ | | |
| | | | Manufacturer _____ | | |

6. Conformity Statement

| | |
|---|--|
| A. Agency's Name and Address Name _____ Address _____ City _____ State _____ Zip _____ Country _____ | 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"/> Certificated Maintenance Organization C. Certificate No. 3030583 |
|---|--|

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 Gerald L. Gates 7/27/07

7. Approval for Return To Service

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

| | | | | |
|----|-----------------------------|----------------|--|---|
| BY | FAA Fit Standards Inspector | Manufacturer | Maintenance Organization | Person Approved by Canadian Department of Transport |
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |

Certificate or Designation No. 3030583 IA Signature/Date of Authorized Individual Gerald L. Gates 7/27/07

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.)

N759BZ

7/27/2007

Nationality and Registration Mark

Date

1. Removed existing engine for overhaul and conversion. Removed existing Propeller.
2. Installed Teledyne Continental engine IO-470-F Serial Number 465900 and Hartzell Propeller BHC-G2YF-1BF Serial Number JH1348 in accordance with STC SA3825SW and Advanced Lift Systems drawing 1000-100-1 Revision (G), dated June 29,2004 and Drawing Change Notices (DCN) No. 1, 2, and 3 FAA approved March 30, 2006.
3. Aircraft weighed.
4. Equipment list amended.
5. Continued Airworthiness: Attached

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

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

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 Cessna | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | Address (As shown on registration certificate) 904 S. 13th Street Laramie WY |

3. For FAA Use Only

4. Unit Identification

5. Type

| Unit | Make | Model | Serial No. | Repair | Alteration |
|------------|--------------------------------|----------|------------|--------|------------|
| AIRFRAME | (As described in Item 1 above) | | | | |
| POWERPLANT | TCM | IO-470-F | 465900 | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---|--|--------------------------------|
| A. Agency's Name and Address Penn Yan Aero 2499 Bath Road Penn Yan, NY 14527 | 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. Y2GR396Y |
|---|--|--------------------------------|

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 10, 2006 | Signature of Authorized Individual Timothy Hansen |
|------------------------|--|

7. Approval for Return To Service

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

| | | | | |
|---|--|--|---|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection April 10, 2006 | Certificate or Designation No. Y2GR396Y | Signature of Authorized Individual Timothy Hansen | | |

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

Removed six (6) TCM fuel injection nozzles P/N: 627335D12C and installed General Aviation Modifications, Inc. GAMjectors Kit No. GAD12C, S/N: 14495 in accordance with STC No. SE09217SC, PMA No. PQ821SW, and Installation Procedure No. IP-96-001, (Rev 004), dated September 25, 1996. No change in weight and balance.

-----END-----

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

Number SA71GL
 BRACKETT AERO FILTERS, INC.
 7052 Government Way
 Kingman, Arizona 86401

This Certificate issued to

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 21 of the Regulations.

Original Product Type Certificate Number: * See attached Approved Model List (AML)
Model: * (AML) No. SA71GL for list of approved aircraft
Model: * models and applicable airworthiness regulations

Description of Type Design Change: Installation of air filters in accordance with AML No. SA71GL dated April 17, 1995, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above aircraft model(s) only. This approval should not be extended to 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 will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA Approved Model List (AML) No. SA71GL dated April 17, 1995, or later FAA approved revision must 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 superseded, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: January 9, 1975

Date received: March 3, 1983, June 20, 2009

Date of issuance: February 21, 1975

Date amended: April 17, 1995



By direction of the Administrator

for *for* *for*
 Manager, Tech. and Admin. Support Staff
 Los Angeles Aircraft Certification Office
 1768

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000 or imprisonment not exceeding 1 year, or both.
 FAA Form 4110-7 (10-64)
 Page 1 of 2
This certificate may be transferred in accordance with FAR 21.47.

FAA APPROVED MODEL LIST (AML) NO. SA71GL
 BRACKETT AERO FILTERS, INC.
 FOR
 INSTALLING AIR FILTERS

Issue Date: April 17, 1995

| ITEM | AIR FILTER MODEL NUMBER | TOP DRAWING | | AIRCRAFT MAKE | AIRCRAFT MODEL | ORIGINAL TYPE CERTIFICATE NUMBER | CERT. BASIS | AML AMENDMENT DATE |
|---------------------|-------------------------|-------------|-----------------|---------------------|--|----------------------------------|-------------|--------------------|
| | | NUMBER | REVISION & DATE | | | | | |
| 51 | BA-7810 | BA-7810 | A 1/20/66 | Beech | 95, B95, B95A, D95A | 3A16 | CAR 3 | ----- |
| | | | | *** END OF DATA *** | | | | |
| 52 | BA-8010 | BA-8010 | B 4/5/65 | Cessna | 180 (Landplane and Seaplane) | 5A6 | CAR 3 | ----- |
| | | | | *** END OF DATA *** | | | | |
| 53 | BA-8110 | BA-8110 | C 1/28/90 | Bellanca | 14-19-3A, 17-30 | 1A3 | CAR 3 | ----- |
| | | | | American Champion | Bellanca (Champion) (Aeronca) 7GCAA, 7GCBC, 7KCAB | A-759 | CAR 4a | ----- |
| | | | | American Champion | Bellanca (Champion) 8KCAB, 8GCBC | A21GE | FAR 23 | ----- |
| | | | | Cessna | 180A/B/C/D/E/F/G/H/J/K | 5A6 | CAR 3 | ----- |
| | | | | Cessna | 182A/B/C/D/E/F/G/H/J/K/L/M/N/P/Q/R | 3A13 | CAR 3 | ----- |
| | | | | Cessna | 185A/B/C/D/E A185E/F | 3A24 | CAR 3 | ----- |
| | | | | Reims Aviation | (Cessna) F182P, F182Q | A42EU | CAR 3 | 7/12/95 |
| *** END OF DATA *** | | | | | | | | |



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 CESSNA | Model 182Q |
| | Serial No. 182G5875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) HRABLOK BEVERLY HRABLOK LARRY | Address (As shown on registration certificate) 18600 S. PROVIDENCE LN WORLEY ID 83876 |

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 THOMAS E. ROBERTS 1505 SHIRLEY WAY BEDFORD TX 76022 | 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. 271600441 |
|--|---|--|

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 5/16/05 | Signature of Authorized Individual |
|-----------------|--|

7. Approval for Return To Service

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

| | | | | | |
|--|-----------------------------|---|---|---|-----------------|
| BY | FAA 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 5/16/05 | | Certificate or Designation No. 271600441 | | 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.)

VERIFIED CORRECT INSTALLATION OF PREVIOUSLY INSTALLED BRACKETT INDUCTION FILTER P/N BA-8110. THIS MODIFICATION APPROVED UNDER STC SA71GL DATED 2/21/75. EQUIPMENT LIST AMENDED, WEIGHT & BALANCE NEGLIGABLE

————— END —————

| Altitude | Type | Date | Model | Weight | Balance |
|----------|------|------|-------|--------|---------|
| X | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | |
|--------------------------------|-------------------------------|---|
| C. Certificate No. 51100011 | B. Kind of Agency | Agency Name and Address |
| | X. Federal Aviation Authority | THOMAS E. POHRETT 1502 SHERRY WAY DALLAS TX 75201 |

I certify that the design and construction of the aircraft described in this form and specified on the reverse is in accordance with the requirements of Part 23 of the Federal Aviation Regulations and that the information furnished is true and correct to the best of my knowledge.

Signature: Thomas E. Pohrett
Date: 2/21/75

| | | |
|------------------|-------------------------------|--------------------------|
| D. Date of Issue | E. Issued by (Name and Title) | F. Issued by (Signature) |
| | | |
| | | |

R/N N759BZ
N/R 18265875

Additional Sheets Are Attached

| U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | | DATE |
|---|---|--|--|
| STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS | | | Jan. 18, 2001 |
| AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION | | | |
| MAKE Cessna | MODEL NO. 182Q | TYPE AIRPLANE | NAME OF APPLICANT Air Impressions, Inc. 7929 Karl May Drive Waco, Texas 76708 |
| LIST OF DATA | | | |
| IDENTIFICATION | TITLE | | |
| STC ST09494SC | <p>Keith Products Inc. Installation of Air Conditioning System in Cessna Model 182.</p> <p><u>Specific Approval:</u></p> <p>The above STC approved alteration is installed on Cessna model 182Q Skylane serial number 65875 with the following exceptions:</p> <ul style="list-style-type: none"> ◦ Compressor mounting bracket, Cessna p/n 1611019, was substituted and installed. Bracket is original equipment on Cessna model A188 AGWagon. ◦ A/C compressor, Cessna p/n C413001-0113, was substituted and installed. Compressor is original equipment on Cessna model A188 AGWagon. <p>These substitutions to the STC approved alteration have been examined and are found to be in compliance with applicable regulations.</p> <p>Instructions for Continued Airworthiness found in Keith Products Inc. STC SA09494SC and Cessna Maintenance Manual for Model 188 AGWagon must be followed, as apply.</p> | | |
| PURPOSE OF DATA | | | |
| Provide approved engineering data in support of alteration to aircraft s/n 182Q-65875. | | | |
| APPLICABLE REQUIREMENTS (LIST SPECIFIC SECTIONS) | | | |
| FARs 23.1163 Powerplant accessories 23.1301 Function and installation {amdt. 23-53} | | | |
| CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. | | | |
| I (we) therefore <input type="checkbox"/> Recommend approval of these data. | | | |
| <input checked="" type="checkbox"/> Approve these data. | | | |
| SIGNATURE OF DESIGNATED ENGINEERING REPRESENTATIVE | DESIGNATION NUMBER(S) | CLASSIFICATIONS | |
| <i>G. R. Barnes</i> Gregory R. Barnes | DERT-710016-SW | Flight Test Pilot, Flight Analyst, Powerplant, Engines | |



U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved OMB
No.2120-0020

For FAA Use Only
Office Identification

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

| | | |
|--------------------|---|--|
| 1. Aircraft | Make Cessna Serial No. 182 65875 | Model 182Q Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook, Beverly Hrablook, Larry | Address (As shown on registration certificate) 18600 S. Providence Lane Worley, ID 83800 |

3. For FAA Use Only

The alteration described herein complies with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in 14 CFR Section 43.7.

01-19-01

John E. Cox

817.441.5000
x 5009

4. Unit Identification

Inspector, AFW FSDO

5. Type

| Unit | Make | Model | Serial No. | Repair | Alteration |
|------------|--|---------|------------|--------|------------|
| AIRFRAME | ----- (As described in item 1 above) ----- | | | | X |
| POWERPLANT | TCM | 0-470-U | 465900 | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---|---|--------------------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Air Impressions, Inc. 7929 Karl May Dr. Waco TX 76708 | U.S. Certificated Mechanic | AK6R541N Airframe Class III |
| | Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | Manufacturer | |

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

| | |
|--------------------|--|
| Date 01/19/2001 | Signature of Authorized Individual Jeff Garrett <i>Jeff Garrett</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 X 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 01/19/2001 | Certificate or Designation No. AK6R541N-Airframe Class III | Signature of Authorized Individual Jeff Garrett <i>Jeff Garrett</i> |
|---|---|--|



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

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

| | | |
|--------------------|---|--|
| 1. Aircraft | Make Cessna | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark USA N759BZ |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | Address (As shown on registration certificate) 304 S.13th Street Laramie, WY 82070 |

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized by FAR Part 43, Section 43.7. The person performing this work must determine interrelationship with any previous modification or repair.

Date: 6-21-06 Signature:

4. Unit Identification

| 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 | B. Kind of Agency | C. Certificate No. |
| Mark D. Bushong 5235 Gulfstream Court Loveland, CO 80538 | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | 2689010 |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input type="checkbox"/> Certificated Repair Station | |
| | <input type="checkbox"/> Manufacturer | |

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

Date: 6-21-2006 Signature of Authorized Individual: Mark D. Bushong

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 |
| | FAA Designee | Repair Station | | Other (Specify) |
| Date of Approval or Rejection | | Certificate or Designation No. | Signature of Authorized Individual | |
| 2-3-2006 | | 3030583 IA | Gerald L. Gates | |

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.)

6-20-2006 18265875 N759BZ

1. Removed existing alternator, wiring from alternator to buss, 65amp circuit breaker.
2. Installed FAA-PMA National Air Parts part number F312R 100 amp alternator, #2 Tefcel wire from alternator through to buss (wire is rated at 141 amps in a bundle, see attached Table 11-9 from AC 43.13-1B, Chapter 11 page 11-25) FAA-PMA 100 amp circuit breaker. Alternator is mounted in place of the original alternator using the original OEM alternator mount. Circuit breaker mounted on bracket fabricated from .032 Alclad 2024-T3 aluminum mounted with two AN3 bolts to upper left hand corner of pedestal 3.5 inches below and 2.5 inches forward of original circuit breaker location. Original circuit breaker hole plugged with Cessna blanking plug.
3. Aircraft weighed.
4. Equipment list amended.
5. Continued Airworthiness: Attached

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

Additional Sheets Are Attached



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No.2120-0020

For FAA Use Only

Office Identification

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 Cessna | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark USA N759BZ |
| 2. Owner | Name (As shown on registration certificate) Samuel L. Robson | Address (As shown on registration certificate) 304 S. 13th Street Laramie, WY 82070 |

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft subject to conformity inspection by a person authorized by FAR Part 43, Section 43.7. The person performing this work must determine interrelationship with any previous modification or repair.

Date: 6-20-06 Signature:

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. |
| Mark D. Bushong 5235 Gulfstream Court Loveland, CO 80538 | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | 2689010 |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input type="checkbox"/> Certificated Repair Station | |
| | <input type="checkbox"/> Manufacturer | |

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

Date: 6-20-06 Signature of Authorized Individual: Mark D. Bushong

7. Approval for Return To Service

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

| | | | | | |
|-------------------------------|------------------------------|--------------------------------|-------------------------------------|---|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer | <input checked="" type="checkbox"/> | Inspection Authorization | Other (Specify) |
| | FAA Designee | Repair Station | | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection | | Certificate or Designation No. | | Signature of Authorized Individual | |
| <u>6-20-06</u> | | <u>3030583</u> | | | |

Gerald L. Gates

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. Removed existing landing and taxi lights, and associated wiring from lower cowling.
2. Installed RMD Aircraft Lighting High Intensity Discharge lamps in original location.
3. Installed RMD wiring harness from firewall to lamps in original location.
4. Installed RMD supplied ballasts (2) onto firewall using supplied hardware onto firewall located directly below ground power solenoid and directly inboard of ground power receptacle respectively.
5. All work performed with reference to AC 43-13 1B/2A and RMD STC # SA01107SE (for wing tip lights; installed concurrently). Existing 20A circuit breaker and wiring suitable in accordance with step 5.5, page 5, RMD-00304-HID, Rev IR.
6. Aircraft was weighed, equipment list amended.
7. Instructions for continued airworthiness taken from RMD-00304-HID, Revision IR, section V, page 6, dated June 20, 2002. Inspect ballast, bulb, and retainer plate for condition and security at annual or 200 hour intervals, or after a hard landing or lightning strike.

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

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

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 CESSNA | Model 182Q |
| | Serial No. 182-65875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) BEVERLY HRABLOK LARRY HRABLOK | Address (As shown on registration certificate) 18600 S. PROVIDENCE WORLEY, ID 83876 |

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 | CONTINENTAL | O-470-U | 465900 | | X | |
| PROPELLER | | | | | | |
| APPLIANCE | Type | | | | | |
| | Manufacturer | | | | | |

6. Conformity Statement

| | | |
|--|---|---------------------------------------|
| A. Agency's Name and Address AURORA AVIATION, INC. 355 MCGREGOR AIRPORT RD. MCGREGOR, TX 76657 | 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. U9RR733J |
|--|---|---------------------------------------|

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

| | |
|------------------|--|
| Date 3/1/2002 | Signature of Authorized Individual |
|------------------|--|

7. Approval for Return To Service

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

| | | | | |
|---|------------------------------|--|--|-----------------|
| BY | FAA Fil. Standards Inspector | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X | Repair Station | |
| Date of Approval or Rejection 3/1/2002 | | Certificate or Designation No. U9RR733J | 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.)

A. The following components were installed:

PRECISE FLIGHT STANDBY VACUUM SYSTEM UPDATE, MODEL SVS V, P/N 04055

IAW ENGINE STC CONTINENTAL SE1780NM AND STC SA2160NM

B. This unit was installed in the aircraft according to the instructions in the PRECISE FLIGHT STANDBY VACUUM SYSTEM MODEL SVS V, P/N 08072, rev. A, DATED 2/21/2001, And guidance in FAA Advisory Circulars 43.13-1B, chapter 11, and 43.13-2A, chapter 1 & 2.

C. Complete ground and flight operational tests were performed according to the PRECISE FLIGHT STANDBY VACUUM SYSTEM MODEL SVS V INSTALLATION MANUAL p/n 08072, rev. A, dated 2/21/2001. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft, as required by FAR 23.1301, FAR 23.1431. The operating placard was filled out and placed on the aircraft instrument panel next to the control cable.

D. A copy of the PRECISE FLIGHT STANDBY VACUUM SYSTEM AIRCRAFT FLIGHT MANUAL SUPPLEMENT dated Feb. 4, 2000 was placed in the aircraft flight manual. Aircraft weight and balance change is negligible.

-----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

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 Cessna | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook Beverly Hrablook Larry | Address (As shown on registration certificate) 18600 S Providence Ln. Worley ID 83876 |

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 Aurora Aviation 355 McGregor airport Rd. McGregor TX 76657 | B. Kind of Agency | C. Certificate No. |
| | <input type="checkbox"/> U.S. Certificated Mechanic | U9RR733J |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | Manufacturer | |

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

| | |
|------------------|---|
| Date 11-30-01 | Signature of Authorized Individual Michael Moore |
|------------------|---|

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 11-30-01 | Certificate or Designation No. CRS# U9RR733J | Signature of Authorized Individual Michael Moore | | |

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.)

11-30-01 S/N: 18265875 Tach time: 1891.0 N759BZ

Installed a Shadin Microflo L fuel flow indicator, p/n 912041T-38-D s/n 2140, and a fuel flow transducer, p/n 6890503X s/n 111166, by authority of Shadin Company, Inc. STC SA964GL and in accordance with Shadin report number 4091.

-----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

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 Cessna | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook Beverly Hrablook Larry | Address (As shown on registration certificate) 18600 S Providence Ln Worley Id 83876 |

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 Aurora Aviation 355 McGregor Airport Rd. McGregor, Tx 76657 | 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. 09RR733J |
|--|---|---------------------------------------|

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 08/31/2001 | Signature of Authorized Individual |
|---------------------------|---|

7. Approval for Return To Service

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

| | | | | | |
|--|-----------------------------|---|----------------|---|-----------------|
| BY | FAA Fit Standards Inspector | | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | X | Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 08/31/2001 | | Certificate or Designation No. 09RR733J | | Signature of Authorized Individual Kristian D. Cooper | |



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved OMB
No. 2120-0020

For FAA Use Only
Office Identification

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

| | | |
|--------------------|---|--|
| 1. Aircraft | Make Cessna | Model 182Q |
| | Serial No. 182 65875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook, Beverly Hrablook, Larry | Address (As shown on registration certificate) 18600 S. Providence Lane Worley, ID 83800 |

3. For FAA Use Only

The alteration described herein complies with applicable
airworthiness requirements and is approved only for the
above described aircraft subject to conformity inspection
by a person authorized in 14 CFR Section 43.7.

01-19-01

John E. [Signature]
Inspector, AFW FSDO

4. Unit Identification

5. Type

| Unit | Make | Model | Serial No. | Repair | Alteration |
|------------|--|---------|------------|--------|------------|
| AIRFRAME | ----- (As described in item 1 above) ----- | | | | X |
| POWERPLANT | TCM | 0-470-U | 465900 | | X |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---|---|--------------------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Air Impressions, Inc. 7929 Karl May Dr. Waco TX 76708 | U.S. Certificated Mechanic | AK6R541N Airframe Class III |
| | Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | Manufacturer | |

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

| | |
|--------------------|--|
| Date 01/19/2001 | Signature of Authorized Individual Jeff Garrett <i>Jeff Garrett</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 **X APPROVED** **REJECTED**

| | | | | |
|---|--|---|--|-----------------|
| BY | <input type="checkbox"/> FAA Fit Standards Inspector | <input type="checkbox"/> Manufacturer | <input type="checkbox"/> Inspection Authorization | Other (Specify) |
| | <input checked="" type="checkbox"/> FAA Designee | <input checked="" type="checkbox"/> Repair Station | <input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 01/19/2001 | | Certificate or Designation No. AK6R541N-Airframe Class III | Signature of Authorized Individual Jeff Garrett <i>Jeff Garrett</i> | |

| U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS | | | DATE Jan. 18, 2001 |
|--|---|--|--|
| AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION | | | |
| MAKE Cessna | MODEL NO. 182Q | TYPE AIRPLANE | NAME OF APPLICANT Air Impressions, Inc. 7929 Karl May Drive Waco, Texas 76708 |
| LIST OF DATA | | | |
| IDENTIFICATION | TITLE | | |
| STC ST09494SC | Keith Products Inc. Installation of Air Conditioning System in Cessna Model 182. <u>Specific Approval:</u> The above STC approved alteration is installed on Cessna model 182Q Skylane serial number 65875 with the following exceptions: <ul style="list-style-type: none"> ◦ Compressor mounting bracket, Cessna p/n 1611019, was substituted and installed. Bracket is original equipment on Cessna model A188 AGWagon. ◦ A/C compressor, Cessna p/n C413001-0113, was substituted and installed. Compressor is original equipment on Cessna model A188 AGWagon. These substitutions to the STC approved alteration have been examined and are found to be in compliance with applicable regulations. Instructions for Continued Airworthiness found in Keith Products Inc. STC SA09494SC and Cessna Maintenance Manual for Model 188 AGWagon must be followed, as apply. | | |
| PURPOSE OF DATA Provide approved engineering data in support of alteration to aircraft s/n 182Q-65875. | | | |
| APPLICABLE REQUIREMENTS (LIST SPECIFIC SECTIONS) FARs 23.1163 Powerplant accessories 23.1301 Function and installation {amdt. 23-53} | | | |
| CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. I (We) therefore <input type="checkbox"/> Recommend approval of these data. <input checked="" type="checkbox"/> Approve these data. | | | |
| SIGNATURE OF DESIGNATED ENGINEERING REPRESENTATIVE | DESIGNATION NUMBER(S) | CLASSIFICATIONS | |
| <i>G. R. Barnes</i> | DEFT-710016-SW | Flight Test Pilot, Flight Analyst, Powerplant, Engines | |
| Gregory R. Barnes | | | |



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved OMB
No. 2120-0020

For FAA Use Only

Office Identification

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

| | | |
|--------------------|---|--|
| 1. Aircraft | Make Cessna | Model 182Q |
| | Serial No. 182 65875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) | Address (As shown on registration certificate) |
| | Hrablook, Beverly Hrablook, Larry | 18600 S. Providence Lane Worley, ID 83800 |

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. |
| Air Impressions, Inc. 7929 Karl May Dr. Waco TX 76708 | U.S. Certificated Mechanic | AK6R541N Airframe Class III |
| | Foreign Certificated Mechanic | |
| | <input checked="" type="checkbox"/> Certificated Repair Station | |
| | Manufacturer | |

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

| | |
|--------------------|--|
| Date 02/07/2001 | Signature of Authorized Individual Jeff Garrett |
|--------------------|--|

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 02/07/2001 | Certificate or Designation No. AK6R541N-Airframe Class III | Signature of Authorized Individual Jeff Garrett |
|---|---|--|

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 Knots 2U,LTD nose wheel and body fairings I/A/W the provisions of FAA AML No. SA2382NM dated May 13, 1999 and STC #SA2382NM.

Installed R.M.D. Aircraft Lighting, Inc. landing/recognition lights inside the modified wing tip leading edge in accordance with R.M.D. Aircraft lighting, Inc. Drawing list No. RMD-001100-C, Rev 1, dated August 4, 1988 and installation instructions No. RMD-001100-C, revision 1, dated August 4, 1988 and STC# SA4337NM.

Installed Knots 2U,LTD flap gap seals I/A/W drawing drawing # Cessna 100/200 Series flap gap seals, Rev A, dated 08/22/2000 and STC# SA2382NM.

Weighed aircraft and computed new weight and balance, see wight and balance record dated 01/19/2001.

Pertinent details on file under WO# 0764

***** End Report *****

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

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 CESSNA | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) HRABLOOK BEVERLY HRABLOOK LARRY | Address (As shown on registration certificate) 18600 S PROVIDENCE LN WORLEY ID 83876 |

3. For FAA Use Only

4. Unit Identification

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

6. Conformity Statement

| | | |
|---|---|---|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| AURORA AVIONICS, INC. 7937 AIRPORT ROAD WACO, TX 76708 | <input type="checkbox"/> U.S. Certificated Mechanic | X56R055Y RADIO CLASS 1&2 LIMITED INST. |
| | <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 MAR 27 2000 | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 MAR 27 2000 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER | |

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.)

A. REMOVED THE FOLLOWING EQUIPMENT:

- 1. EDO-AIRE 1U262-003-14 DIRECTIONAL GYRO.....ARM 14.0
- 2. MID-CONTINENT MD200-2206 NAV INDICATOR.....ARM 16.0

B. INSTALLED THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AURORA AVIONICS, INC. DRAWING LIST #1037-000, AC43.13-1A CHAPTER 5, SECTION 1 AND CHAPTER 11, SECTIONS 2,3,5, AND 7, AND FOLLOWING THE GUIDELINES AND SUGGESTIONS ESTABLISHED IN AC43.13-2A CHAPTERS 1 AND 2 PARAGRAPHS 1,9,21,22,AND 23:

PER CENTURY FLIGHT SYSTEMS INSTALLATION BULLETIN NUMBER 734 REV 7, DATED MAY 98:

- 1. CENTURY 52D136-1333 UNSLAVED HSI.....ARM 16.0

C. ISSUED CENTURY FLIGHT SYSTEMS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

D. REVISED THE GARMIN GNS-430 FLIGHT MANUAL SUPPLEMENT.

E. WEIGHT AND BALANCE HAS BEEN REVISED TO REFLECT THIS ALTERATION. THE EQUIPMENT LIST HAS BEEN UPDATED.

F. "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THIS ALTERATION ARE AS FOLLOWS; RECEIVERS, TRANSMITTERS AND ANTENNAS ARE ON CONDITION ITEMS AND WILL BE MAINTAINED AS SUCH. ALL OTHER PARTS AND MATERIALS INSTALLED SUCH AS WIRING, CIRCUIT BREAKERS, SWITCHES, ANNUNCIATORS, CLAMPS, DOUBLERS, SHELVES, AND RACKS WILL BE INSPECTED FOR CONDITION AND SECURITY AT ANNUAL INSPECTIONS IN ACCORDANCE WITH FAR PART 43, APPENDIX D. AND ALL MAINTENANCE TO BE PERFORMED WILL BE DONE IN ACCORDANCE WITH FAA AC 43.13-1A AND APPLICABLE MANUFACTURER'S SERVICE INSTRUCTIONS".

-----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

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 CESSNA | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) HRABLOK BEVERLY HRABLOK LARRY | Address (As shown on registration certificate) 18600 S PROVIDENCE LN WORLEY ID 83876 |

3. For FAA Use Only

4. Unit Identification

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

6. Conformity Statement

| | | |
|--|--|--|
| A. Agency's Name and Address AURORA AVIONICS, INC. 7937 AIRPORT ROAD WACO, TX 76708 | 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. X56R055Y RADIO CLASS 1&2 LIMITED INST. |
|--|--|--|

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 JUN 01 2000 | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 JUN 01 2000 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER | |

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.)

A. INSTALLED THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AURORA AVIONICS, INC. DRAWING LIST #1037-000, AC43.13-1B CHAPTER 11, SECTIONS 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 15, 17, CHAPTER 12 SECTIONS 1-4 AND FOLLOWING THE GUIDELINES AND SUGGESTIONS ESTABLISHED IN AC43.13-2A CHAPTERS 1,2, AND 3 PARAGRAPHS 1, 9, 21, 22, AND 24:

PER BFGOODRICH INSTALLATION MANUAL PN 009-11500-001 REV B, DATED JUNE 99:

- 1. BFGOODRICH WX-500 STORMSCOPE PROCESSOR.....ARM 130.0
- 2. BFGOODRICH NY-163 STORMSCOPE ANTENNA.....ARM 145.0

B. THE WX-500 STORMSCOPE SYSTEM IS DISPLAYED ON THE GARMIN GNS-430.

C. WEIGHT AND BALANCE HAS BEEN REVISED TO REFLECT THIS ALTERATION. THE EQUIPMENT LIST HAS BEEN UPDATED.

D. "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THIS ALTERATION ARE AS FOLLOWS; RECEIVERS, TRANSMITTERS AND ANTENNAS ARE ON CONDITION ITEMS AND WILL BE MAINTAINED AS SUCH. ALL OTHER PARTS AND MATERIALS INSTALLED SUCH AS WIRING, CIRCUIT BREAKERS, SWITCHES, ANNUNCIATORS, CLAMPS, DOUBLERS, SHELVES, AND RACKS WILL BE INSPECTED FOR CONDITION AND SECURITY AT ANNUAL INSPECTIONS IN ACCORDANCE WITH FAR PART 43, APPENDIX D. AND ALL MAINTENANCE TO BE PERFORMED WILL BE DONE IN ACCORDANCE WITH FAA AC 43.13-1A AND APPLICABLE MANUFACTURER'S SERVICE INSTRUCTIONS".

----- END -----

Additional Sheets Are Attached



U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

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 CESSNA | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) HRABLOOK BEVERLY HRABLOOK LARRY | Address (As shown on registration certificate) 18600 S PROVIDENCE LN WORLEY ID 83876 |

3. For FAA Use Only

The 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 14 CFR Section 43.7.

MAR 27 2000

Date

FAA Inspector, AFW/FSDO

4. Unit Identification

5. Type

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

6. Conformity Statement

| | | |
|--|--|--|
| A. Agency's Name and Address AURORA AVIONICS, INC. 7937 AIRPORT ROAD WACO, TX 76708 | 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. X56R055Y RADIO CLASS 1&2 LIMITED INST. |
|--|--|--|

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 MAR 27 2000 | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 MAR 27 2000 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER | |

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.)

A. REMOVED THE FOLLOWING EQUIPMENT:

- 1. EDO-AIRE 1U262-003-14 DIRECTIONAL GYRO.....ARM 14.0
- 2. MID-CONTINENT MD200-2206 NAV INDICATOR.....ARM 16.0

B. INSTALLED THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AURORA AVIONICS, INC. DRAWING LIST #1037-000, AC43.13-1A CHAPTER 5, SECTION 1 AND CHAPTER 11, SECTIONS 2,3,5, AND 7, AND FOLLOWING THE GUIDELINES AND SUGGESTIONS ESTABLISHED IN AC43.13-2A CHAPTERS 1 AND 2 PARAGRAPHS 1,9,21,22,AND 23:

PER CENTURY FLIGHT SYSTEMS INSTALLATION BULLETIN NUMBER 734 REV 7, DATED MAY 98:

- 1. CENTURY 52D136-1333 UNSLAVED HSI.....ARM 16.0

C. ISSUED CENTURY FLIGHT SYSTEMS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

D. REVISED THE GARMIN GNS-430 FLIGHT MANUAL SUPPLEMENT. MAR 27 2000

E. WEIGHT AND BALANCE HAS BEEN REVISED TO REFLECT THIS ALTERATION. THE EQUIPMENT LIST HAS BEEN UPDATED.

F. "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THIS ALTERATION ARE AS FOLLOWS; RECEIVERS, TRANSMITTERS AND ANTENNAS ARE ON CONDITION ITEMS AND WILL BE MAINTAINED AS SUCH. ALL OTHER PARTS AND MATERIALS INSTALLED SUCH AS WIRING, CIRCUIT BREAKERS, SWITCHES, ANNUNCIATORS, CLAMPS, DOUBLERS, SHELVES, AND RACKS WILL BE INSPECTED FOR CONDITION AND SECURITY AT ANNUAL INSPECTIONS IN ACCORDANCE WITH FAR PART 43, APPENDIX D. AND ALL MAINTENANCE TO BE PERFORMED WILL BE DONE IN ACCORDANCE WITH FAA AC 43.13-1A AND APPLICABLE MANUFACTURER'S SERVICE INSTRUCTIONS".

----- 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

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 CESSNA | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) HRABLOOK BEVERLY HRABLOOK LARRY | Address (As shown on registration certificate) 18600 S PROVIDENCE LN WORLEY ID 83876 |

3. For FAA Use Only

4. Unit Identification

5. Type

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

6. Conformity Statement

| | | |
|--|---|--|
| A. Agency's Name and Address AURORA AVIONICS, INC. 7937 AIRPORT ROAD WACO, TX 76708 | 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. X56R055Y RADIO CLASS 1&2 LIMITED INST. |
|--|---|--|

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 JUN 01 2000 | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 JUN 01 2000 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER | |

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.)

A. INSTALLED THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AURORA AVIONICS, INC. DRAWING LIST #1037-000, AC43.13-1B CHAPTER 11, SECTIONS 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 15, 17, CHAPTER 12 SECTIONS 1-4 AND FOLLOWING THE GUIDELINES AND SUGGESTIONS ESTABLISHED IN AC43.13-2A CHAPTERS 1,2, AND 3 PARAGRAPHS 1, 9, 21, 22, AND 24:

PER BFGOODRICH INSTALLATION MANUAL PN 009-11500-001 REV B, DATED JUNE 99:

- 1. BFGOODRICH WX-500 STORMSCOPE PROCESSOR.....ARM 130.0
- 2. BFGOODRICH NY-163 STORMSCOPE ANTENNA.....ARM 145.0

B. THE WX-500 STORMSCOPE SYSTEM IS DISPLAYED ON THE GARMIN GNS-430.

C. WEIGHT AND BALANCE HAS BEEN REVISED TO REFLECT THIS ALTERATION. THE EQUIPMENT LIST HAS BEEN UPDATED.

D. "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THIS ALTERATION ARE AS FOLLOWS; RECEIVERS, TRANSMITTERS AND ANTENNAS ARE ON CONDITION ITEMS AND WILL BE MAINTAINED AS SUCH. ALL OTHER PARTS AND MATERIALS INSTALLED SUCH AS WIRING, CIRCUIT BREAKERS, SWITCHES, ANNUNCIATORS, CLAMPS, DOUBLERS, SHELVES, AND RACKS WILL BE INSPECTED FOR CONDITION AND SECURITY AT ANNUAL INSPECTIONS IN ACCORDANCE WITH FAR PART 43, APPENDIX D. AND ALL MAINTENANCE TO BE PERFORMED WILL BE DONE IN ACCORDANCE WITH FAA AC 43.13-1A AND APPLICABLE MANUFACTURER'S SERVICE INSTRUCTIONS".

----- END -----

Additional Sheets Are Attached



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 CESSNA | Model 182Q |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook, Beverly Hrablook, Larry | Address (As shown on registration certificate) 18600 S. Providence Lane Worley, ID 83800 |

3. For FAA Use Only

Unit 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 14 CFR Section 43.7.

DEC 10 1999

Date

FAA Inspector, AFW FSDD

4. Unit Identification

5. Type

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

6. Conformity Statement

| | | |
|--|--|--|
| A. Agency's Name and Address AURORA AVIONICS, INC. 7937 AIRPORT ROAD WACO, TX 76708 | 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. X56R055Y RADIO CLASS 1&2 LIMITED INST. |
|--|--|--|

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 DEC 10 1999 | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 DEC 10 1999 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual GARY S. CONOVER, GENERAL MANAGER | |

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.)

- A. VFR REFERENCE PREVIOUSLY APPROVED FAA FORM 337 DATED 24 NOV 99.
- B. GARMIN GNS-430 WAS INSTALLED FOR VFR ONLY.
- C. THE EQUIPMENT MANUFACTURER GARMIN, HAS CERTIFIED THAT THE GARMIN GNS-430 MEETS THE DESIGN AND ACCURACY REQUIREMENTS CONTAINED IN ADVISORY CIRCULAR 20-138.
- D. THIS DATA HAS BEEN RECORDED AND FILED WITH WO# 0287 AT AURORA AVIONICS, INC. REPAIR STATION #X56R055Y.
- E. A COPY OF THE GARMIN GNS-430 PILOT'S GUIDE, PN 190-00140-00 REV A, DATED OCTOBER 1998 (OR LATER REVISION), MUST BE ON BOARD FOR ALL FLIGHTS WHENEVER NAVIGATION IS PREDICATED ON THE USE OF THE SYSTEM.
- F. GROUND AND FLIGHT TESTS WERE ACCOMPLISHED AND THE ACCURACY CRITERIA OF ADVISORY CIRCULAR 20-138 HAS BEEN DEMONSTRATED.
- G. THIS GARMIN GNS-430 INSTALLATION IS APPROVED FOR GPS IFR OPERATION IN THE EN-ROUTE, TERMINAL AND NON-PRECISION APPROACH MODES.
- H. FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED DEC 10 1999 IS REQUIRED TO BE ON BOARD FOR ALL FLIGHTS.

-----END-----

Additional Sheets Are Attached



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 CESSNA | Model 1820 |
| | Serial No. 18265875 | Nationality and Registration Mark N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hrablook, Beverly Hrablook, Larry | Address (As shown on registration certificate) 18600 S. Providence Lane Worley, ID 83800 |

3. For FAA Use Only

The 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 14 CFR Section 43.7.

DEC 10 1999

Date

FAA Inspector *AW 1801*

4. Unit Identification

5. Type

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

6. Conformity Statement

| | | |
|---|---|--|
| A. Agency's Name and Address AURORA AVIONICS, INC 7937 AIRPORT ROAD WACO, TX 76708 | 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. X56R055Y RADIO CLASS 1&2 LIMITED INST. |
|---|---|--|

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 NOV 24 1999 | Signature of Authorized Individual <i>Gary S. Conover</i> GARY S. CONOVER, GENERAL MANAGER |
|----------------------------|---|

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 Ft. Standards Inspector | | Manufacturer | Inspection Authorization | Other (Specify) |
| | FAA Designee | XX | Repair Station | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection DEC 10 1999 | | Certificate or Designation No. X56R055Y | Signature of Authorized Individual <i>Gary S. Conover</i> GARY S. CONOVER, GENERAL MANAGER | | |

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.)

A. REMOVED THE FOLLOWING EQUIPMENT:

| | | |
|---|-----|-------|
| 1. ARC R-546A ADF RECEIVER..... | ARM | 13.0 |
| 2. ARC L-346A ADF ANTENNA..... | ARM | 33.5 |
| 3. ARC IN-346A ADF INDICATOR..... | ARM | 16.0 |
| 4. ARC AUDIO PANEL..... | ARM | 13.0 |
| 5. ARC IN-525B NAV INDICATOR..... | ARM | 16.0 |
| 6. ARC IN-525B NAV INDICATOR..... | ARM | 16.0 |
| 7. TKM MX-300 NAV/COM..... | ARM | 13.0 |
| 8. NARCO MK-12D NAV/COM..... | ARM | 13.0 |
| 9. ARC RT-359A TRANSPONDER..... | ARM | 13.0 |
| 10. ARC R-443B GLIDESLOPE RECEIVER..... | ARM | 130.0 |
| 11. ARC R-402A MARKER RECEIVER..... | ARM | 11.0 |
| 12. TRIMBLE TNL-1000 GPS..... | ARM | 13.0 |
| 13. TRIMBLE GPS ANTENNA..... | ARM | 40.0 |
| 14. NARCO DME-195 DME TRANSCEIVER..... | ARM | 130.0 |
| 15. NARCO DME-195 DME INDICATOR..... | ARM | 16.0 |
| 16. FLITECOM 403 INTERCOM..... | ARM | 16.0 |
| 17. FOSTER CHANNELING ADAPTER..... | ARM | 130.0 |
| 18. FOSTER STEERING ADAPTER..... | ARM | 13.0 |

B. INSTALLED THE FOLLOWING EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AURORA AVIONICS, INC. DRAWING LIST #1032-000, AC43.13-1A CHAPTER 5, SECTION 1 AND CHAPTER 11, SECTIONS 2,3,5, AND 7, AND FOLLOWING THE GUIDELINES AND SUGGESTIONS ESTABLISHED IN AC43.13-2A CHAPTERS 1,2, AND 3 PARAGRAPHS 1, 9, 12, 21, 22, 23, AND 24:

PER BENDIX/KING INSTALLATION MANUAL PN 006-00144-0006 REV 6, DATED APR 97:

1. BENDIX/KING KN-64 DME TRANSCEIVER.....ARM 13.0

PER BENDIX/KING INSTALLATION MANUAL PN 006-00140-0003 REV 3, DATED OCT 96:

2. BENDIX/KING KI-208 NAV INDICATOR.....ARM 16.0

PER GARMIN INSTALLATION MANUAL PN 190-00149-01 REV B, DATED MAR 98:

3. GARMIN GMA-340 MARKER/AUDIO PANEL.....ARM 13.0

PER GARMIN INSTALLATION MANUAL PN 190-00133-01 REV E, DATED SEPT 97:

4. GARMIN GTX-320 TRANSPONDER.....ARM 13.0

PER GARMIN INSTALLATION MANUAL PN 190-00140-02 REV C, DATED NOV 98:

5. GARMIN GNS-430 COM/NAV/GPS.....ARM 13.0

6. GARMIN GA-56 GPS ANTENNA.....ARM 40.0

Additional Sheets Are Attached

DATE NOV 24 1999

PER GARMIN INSTALLATION MANUAL PN 190-00180-00 REV A, DATED APRIL 99:

7. GARMIN GI-106A NAV INDICATOR.....ARM 16.0

PER BENDIX/KING INSTALLATION MANUAL PN 006-00179-0006 REV 6, DATED OCT 94:

8. BENDIX/KING KX-155 NAV/COM.....ARM 13.0

PER AVIONICS INNOVATIONS INSTALLATION MANUAL PN 14000-20 DATED AUG 99:

9. AVIONICS INNOVATIONS AICD II CD/STEREO PLAYER.....ARM 13.0

10. COMANT CI-222-1 AM/FM ANTENNA.....ARM 133.5

11. AMERI-KING AK-550-6 POWER CONVERTER.....ARM 130.0

- C. ENCODING INFORMATION IS PARALLELED TO THE GARMIN GNS-430 AND THE BLIND ENCODER AT THE SPLICE AREA LOCATED AT THE REAR OF THE TRANSPONDER CONNECTOR.
- D. AN IC-388M RADIO COUPLER WAS ADDED TO THE EXISTING CENTURY II AUTOPILOT SYSTEM TO ALLOW COUPLING OF THE NAV RADIOS. WIRING WAS DONE IN ACCORDANCE WITH AIRCRAFT WIRING DIAGRAMS AND MANUFACTURER'S INSTRUCTIONS.
- E. INSTALLED TWO MIC AND STEREO PHONE JACKS ON THE CABIN SIDEWALLS FOR PASSENGER INTERCOM AND STEREO USE. PASSENGERS HAVE INTERCOM CAPABILITY ONLY.
- F. EQUIPMENT IS PROTECTED THROUGH THE USE OF CIRCUIT BREAKERS LOCATED IN THE MAIN CIRCUIT BREAKER PANEL ON THE AVIONICS BUSS.
- G. PANEL PLACARDED "GPS LIMITED TO VFR USE ONLY".
- H. WEIGHT AND BALANCE HAS BEEN REVISED TO REFLECT THIS ALTERATION. THE EQUIPMENT LIST HAS BEEN UPDATED.
- I. THE MAXIMUM PROBABLE CONTINUOUS ELECTRICAL LOAD DOES NOT EXCEED 80% OF THE 60 AMP ALTERNATOR INSTALLED IN THIS AIRCRAFT.
- J. "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THIS ALTERATION ARE AS FOLLOWS; RECEIVERS, TRANSMITTERS AND ANTENNAS ARE ON CONDITION ITEMS AND WILL BE MAINTAINED AS SUCH. ALL OTHER PARTS AND MATERIALS INSTALLED SUCH AS WIRING, CIRCUIT BREAKERS, SWITCHES, ANNUNCIATORS, CLAMPS, DOUBLERS, SHELVES, AND RACKS WILL BE INSPECTED FOR CONDITION AND SECURITY AT ANNUAL INSPECTIONS IN ACCORDANCE WITH FAR PART 43, APPENDIX D. AND ALL MAINTENANCE TO BE PERFORMED WILL BE DONE IN ACCORDANCE WITH FAA AC 43.13-1A AND APPLICABLE MANUFACTURER'S SERVICE INSTRUCTIONS".

-----END-----



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 Cessna | Model 182Q |
| | Serial No. 182 65875 | Nationality and Registration Mark USA N759BZ |
| 2. Owner | Name (As shown on registration certificate) Hatfield, George R. | Address (As shown on registration certificate) 1 Shadydale Lane Rockwall, Texas 75087 |

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 | Continental | O-470-U | 465900 | | XX |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---|--|---------------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Eddie Walkowicz Rockwall Air Service Inc. 1689 Airport Rd. Rockwall, Texas 75087 | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | 450966172 |
| | <input type="checkbox"/> Foreign Certificated Mechanic | |
| | <input type="checkbox"/> Certificated Repair Station | |
| | <input type="checkbox"/> Manufacturer | |

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

| | |
|------------------|--|
| Date 10-11-94 | Signature of Authorized Individual <i>Eddie Walkowicz</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 | <input checked="" type="checkbox"/> | Inspection Authorization | Other (Specify) |
| | FAA Designee | Repair Station | | Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 10-11-94 | | Certificate or Designation No. 1763318 | | Signature of Authorized Individual <i>Ed Walkowicz</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 PRECISE FLIGHT, INC. Standby Vacuum System III in accordance with airframe STC SA2162NM and engine STC SE1780NM (Continental).
Equipment list and weight and balance amended.

END

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 CESSNA | MODEL C-182Q |
| | SERIAL NO. 18265875 | NATIONALITY AND REGISTRATION MARK N759BZ |
| 2. OWNER | NAME (As shown on registration certificate) ROBINSON, Arnold M. | ADDRESS (As shown on registration certificate) 6209 E. Shore Dr Pensacola, FL 32505 |

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

| 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 | B. KIND OF AGENCY | C. CERTIFICATE NO. 707-26 |
| | <input type="checkbox"/> U.S. CERTIFICATED MECHANIC | |
| | <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC | |
| | <input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION | |
| | MANUFACTURER | |

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

| | |
|---------------------------|---|
| DATE December 12, 1989 | SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Clayton T. Caessens</i> 2364442 |
|---------------------------|---|

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 | | CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT | |

| | | |
|--|--|--|
| DATE OF APPROVAL OR REJECTION December 12, 1989 | CERTIFICATE OR DESIGNATION NO. AI 1194552 | SIGNATURE OF AUTHORIZED INDIVIDUAL B.C. Ferguson <i>B.C. Ferguson</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.)

Removed one (1) ARC RT328T NAV/COM (Unit only).

Installed one (1) Narco MK12D Cessna replacement NAV/COM.

Installation performed in accordance with manufacturer's installation manual. Unit was ground tested and test flown.

Updated equipment list, pilots operating handbook, and weight and balance records.

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 | CESSNA | MODEL | 1820 |
| | SERIAL NO. | 18265875 | NATIONALITY AND REGISTRATION MARK | N759BZ |
| 2. OWNER | NAME (As shown on registration certificate) | | ADDRESS (As shown on registration certificate) | |
| | Robinson, Arnold, M. | | 6209 E. Shore Drive Pensacola, FL 32505 | |

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

| 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 Ferguson Flying Service, Inc. 9750 Aileron Avenue Pensacola, FL 32506 | B. KIND OF AGENCY | | C. CERTIFICATE NO. 707-26 |
| | <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 of 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 March 28, 1989 | SIGNATURE OF AUTHORIZED INDIVIDUAL William C. Denni 2258493 |
|------------------------|--|

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 | <input checked="" type="checkbox"/> | INSPECTION AUTHORIZATION | OTHER (Specify) |
| | FAA DESIGNER | REPAIR STATION | | CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT | |
| DATE OF APPROVAL OR REJECTION March 28, 1989 | CERTIFICATE OR DESIGNATION NO. AI 1194552 | SIGNATURE OF AUTHORIZED INDIVIDUAL B.C. Ferguson | | | |

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 one RNAV 30A Loran Receiver and Antenna.

All work performed in accordance to manufacturers instructions and drawings. All cables fabricated in accordance to AC 43.13-1A chapter Eleven. All equipment installed in accordance to AC 43.13-2A, Chapters Two & Three.

The addition of less than one amp had no adverse load effects when checked by monitoring load on turn-up as outlined in AC 43.13-1A Chapter Eleven, Section Two.

AC 20-121 and AC 90-45A were used as guidelines for this installation with special attention to AC20-121 Para. Six Sub(A) items 1 thru 5 and AC90-45A App. A Para. Four.

A placard stating Loran C not approved for IFR was placed in pilots view.

This installation was a stand alone Loran C system.

Installation ground checked and flight tested with appropriate entries made in aircraft log, weight and balance and equipment list.

End*****

ADDITIONAL SHEETS ARE ATTACHED

Supplemental Type Certificate

Number SA2160NM

This certificate, issued to **Precise Flight, Inc.**
63120 Powell Butte Rd.
Bend, OR 97701

*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 FAA Approved Model List (AML)
Make: No. SA2160NM for list of approved airplane models
Model: and applicable airworthiness regulations

Description of the Type Design Change: Installation of Precise Flight, Inc. Stand-By Vacuum System (SVS) in accordance with the appropriate Precise Flight, Inc. Engineering Drawing listed on FAA Approved Model List No. SA2160NM, dated April 28, 2000, or later FAA approved revision.

NOTE: As a prerequisite to this change, the engine must be modified in accordance with Precise Flight, Inc. STC No. SE1779NM or SE1780NM, dated April 21, 2000, or later FAA approved revision. Also, modified aircraft must be equipped with a vacuum indicator.

Limitations and Conditions: Approval of this change in type design applies 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 by the installer that the relationship 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, AML No. SA2160NM and the appropriate FAA Approved Flight Manual Supplement (AFMS) listed on AML No. SA2160NM must be maintained as part of the permanent records for the modified aircraft.

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: October 31, 1983
Date of issuance: November 7, 1983

Date reissued:
Date amended: December 16, 1983;
 December 7, 1984; April 28, 2000



By direction of the Administrator

[Handwritten Signature]
 (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.

This certificate may be transferred in accordance with FAR 21.47.

Supplemental Type Certificate

Number SE1780NM

This certificate is issued to

Precise Flight, Inc.
63120 Powell Butte Rd.
Bend, OR 97701

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 33 of the Federal Aviation Regulations.

Original Product—Type Certificate Number:

Make:

Model:

*See attached FAA Approved Model List (AML) No. SE1780NM for list of approved airplane models and applicable airworthiness regulations

Description of the Type Design Change: Installation of Precise Flight, Inc. Standby Vacuum System SVS III, in accordance with Engineering Drawing 000V0000, Revision -, dated March 10, 2000, and Installation Report No. 50050, Revision 25, dated August 26, 1999, or later approved revision. Or Installation of Precise Flight, Inc. SVS V, in accordance with Precise Flight, Inc. Engineering Drawing 000V0000, Revision -, dated March 10, 2000 and Installation Instructions 08072, Revision -, dated December 12, 1999, or later FAA approved revision. Or Installation of Precise Flight Inc. SVS VI, in accordance with Precise Flight, Inc. Installation manual 08074, dated January 7, 2000, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies 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 by the installer that the relationship 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, Continuation Sheet, and FAA approved AML No. SE1780NM, dated May 28, 1991, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

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 ~~superseded, suspended, rescinded, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.~~

Date of application: December 13, 1982

Date reissued:

Date of issuance: December 28, 1982

Date amended: December 30, 1983; January 31, 1985; July 22, 1988; July 25, 1990; January 31, 1991; April 21, 2000



By *[Signature]* of the Administrator

(Signature)

Acting Manager, Seattle Aircraft Certification Office

(Title)

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

Number SA964GL

This certificate, issued to:

Shadin Company, Inc.
6950 Wayzata Boulevard
Minneapolis, MN 55426

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 3 of the Civil Air Regulations. See Type Certificate Data Sheet No. 3A13 for complete certification basis.

Original Product — Type Certificate Number 3A13

Make Cessna

Model 182, 182A, 182B, 182C, 182D, 182E, 182F, 182G,
182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q,
182R, R182, T182, TR182

Description of Type Design Change:

- Installation of a Shadin Company Fuel Flow Indicator in accordance with Shadin Company Number 4091 revised July 15, 1986 or other FAA approved revision (for Cessna 182 Models with pump-fed fuel systems).
- Installation of a Shadin Company Fuel Flow Indicator and Fuel Flow Transducer in accordance with Shadin Report Number 4091 revised July 15, 1986 or other FAA Approved revision (for Cessna 182 Models with gravity-fed fuel systems).

Limitations and Conditions:

This approval should not be extended to other airplanes of this model that incorporate any other previously approved modification, unless it is determined that the interrelationship between this change and any other previously approved modification will introduce no adverse effect on the airworthiness of these 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 October 12, 1985

Date received

Date of issuance January 10, 1986

Date amended August 19, 1986



By direction of the Administrator

Ronald J. Wyras

for W. F. Horn
Manager, Chicago Aircraft Certification Office
ACE-115C, Central Region

(Title)

Supplemental Type Certificate

Number ST09494SC

PERMISSION STATEMENT

This Certificate issued to Keith Products
4554 Claire Chennault
Dallas, TX 25248

Buyer listed has permission to use

STC ST09494SC to install

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 3 of the Civil Air Regulations.

Original Product Type Certificate Number: 3A13, Rev 51

Make: Cessna

Model: 182S

Description of Type Design Change:

Installation of a R134a vapor cycle air-conditioning system in accordance with Master Document List DL-182 Revision A dated July 03, 1998, or later FAA approved revision. FAA approved Flight Manual Supplement dated July 09, 1998, or later FAA approved revision is required.

Limitations and Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer. 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: February 04, 1998

Date reissued:

Date of issuance: August 04, 1998

Date amended:



By direction of the Administrator

Gary B. Roach
(Signature)

for Frances Cox
Acting Manager, Special Certification
Office, Southwest Region

(Title)

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA2382NM

This certificate, issued to **Knots 2U, LTD
3106 Bieneman Rd.
Burlington, WI 53105**

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 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: *See attached FAA Approved Model List (AML)
Make: No. SA2382NM for a list of approved airplane
Model: Models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of wheel and body fairings in accordance with the provisions of FAA AML No. SA2382NM dated May 13, 1999, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the airplane models listed on the AML only. This approval should not be extended to other aircraft on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those 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 FAA AML SA2382NM must be maintained as part of the permanent records for the modified aircraft.

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: November 16, 1983

Date reissued: May 30, 1984; May 13, 1999

Date of issuance: May 14, 1984

Date amended: 02/14/85; 03/15/85; 05/01/85;
05/13/99



By direction of the Administrator

[Signature]
(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.

This certificate may be transferred in accordance with FAR 21.47.

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

Number SA2382NM

This certificate issued to Knots 2U, Ltd
3106 Bieneman Road
Burlington, WI 53105

*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 FAA Approved Model

Make : * List (AML No. SA2382NM) for list of

Model : * Approved models and applicable airworthiness regulations)

Description of Type Design Change:

Installation of Aileron and Flap Gap Seals in accordance with the Knots 2U, Ltd. Installation Manual as listed on AML No. SA2382NM, amended June 9, 2000, or later FAA approved revisions.

Limitations and Conditions: 1. Any or all combinations of the above items are approved. 2. Compatibility of this design change with previously approved modifications must be determined by the installer. 3. A copy of this Certificate and FAA Approved Model List (AML) No. SA2382NM, amended June 9, 2000, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft. 3. 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 : 11/16/83

Date of issuance : 5/14/84

Date reissued : 05/30/84; 05/13/99

Date amended : 02/14/85; 03/15/85; 05/01/85; 05/13/99;
06/09/00



By direction of the Administrator

Gregory J. Michalik
(Signature)

Gregory J. Michalik, Senior Aerospace Engineer
Airframe & Administrative Branch
Chicago Aircraft Certification Office

(Title)

Supplemental Type Certificate

Number SA4337NM

This certificate, issued to R.M.D. Aircraft Lighting, 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 * of the *

Regulations.

Original Product — Type Certificate Number: * * See attached Approved Model List (AML)
 Make: * No. SA4337NM for list of approved
 Model: * airplane models and applicable
 * airworthiness regulations.

Description of Type Design Change: Installation of landing/recognition lights inside the modified wing tip leading edge in accordance with R.M.D. Aircraft Lighting, Inc. Drawing List No. RMD-001100-C, Revision 1, dated August 4, 1988, and Installation Instructions Number RMD-001100-C, Revision 1, dated August 4, 1988, or later FAA-approved revision.

NOTE: This is eligible to replace Cessna wing tips P.N 07232(0-5/-6 only.

Limitations and Conditions:

Approval of this change in type design applies 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 relationship 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 must 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: April 1, 1988

Date issued:

Date of issuance: July 20, 1988

Date amended: January 04, 1990

By direction of the Administrator



Stewart R. Miller
 (Signature)

Assistant 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.

This certificate may be transferred in accordance with FAR 21.47.

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

Number SA5263SW-D

This certificate, issued to: S-TEC Corporation
Rt. 4, Bldg. 946
Walters Industrial Complex
Mineral Wells, TX 76067

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 3 of the Civil Air Regulations.

Original Product — Type Certificate Number: 3A13
Make: CESSNA
Model: 182P AND 182Q

Description of Type Design Change:

Installation of S-TEC System 60 Two Axis Automatic Flight Guidance System, Model ST-011, with Optional Automatic Electric Trim System according to Bulletin No. 111, Revision 8, dated 6-10-86 and Master Drawing List No. 9216, Revision H, dated 6-10-86 and/or later FAA Approved revisions of the above data, (14 Volt System).

Limitations and Conditions:

1. FAA Approved Supplemental Flight Manual, P/N 8912-3, dated 1-20-84 is required for Cessna Models 182P and 182Q, S/N 18266590 and below and/or later FAA Approved revisions of the above supplement.

(See Continuation Sheet, Page 2, a part of this STC.)

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: 11-4-83

Date issued: 8-12-86, Revision 1

Date of issuance: 1-20-84

Date amended:



By direction of the Administrator

Harold W. Holdeman
(Signature)

Harold W. Holdeman
DAS Staff Coordinator, DAS 5 SW
(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.

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

Number SA5329SW-D

This certificate, issued to S-TEC Corporation
Rt. 4, Bldg. 946
Walters Industrial Complex
Mineral Wells, TX 76067

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 3 of the Civil Air Regulations

Original Product — Type Certificate Number: 3A13
Make: CESSNA
Model: 182P AND 182Q

Description of Type Design Change:

Installation of S-TEC Manual Electric Trim System, Model ST-262, according to Bulletin No. 362, dated 5-05-84 and Master Drawing List No. 92277, dated 5-05-84 and/or later FAA Approved revisions of the above data (14 Volt System).

Limitations and Conditions:

1. FAA Approved Supplemental Flight Manual, P/N 89461, dated 7-02-84, is required for Cessna Models 182P and 182Q, S/N 18266590 and below, and/or later FAA Approved revisions of the above supplement.

(See Continuation Sheet, Page 2, a part of this STC)

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: 6-14-84

Date reissued:

Date of issuance: 7-02-84

Date amended:



By direction of the Administrator

Harold W. Holdeman

(Signature)

Harold W. Holdeman
DAS Staff Coordinator, DAS 5 SW

(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, issued to: RMD Aircraft Lighting, Inc.
3648 SE Roanoke Court
Hillsboro, OR 97123

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 FAA Approved Model List (AML)
Make: No. SA01107SE for list of approved airplane models
Model: and applicable airworthiness regulations

Description of the Type Design Change: RMD Aircraft Lighting High Intensity Discharge Wingtip light manufactured in accordance with RMD Aircraft Lighting Drawing List RMD-00300-HID, Revision A, dated July 5, 2002, or later FAA approved revision. Installed and maintained in accordance with the appropriate RMD Aircraft Lighting Instructions for Continued Airworthiness document RMD-00304-HID, Revision IR, dated June 20, 2002, or later FAA approved revision.

Limitations and Conditions: This approval is limited to those aircraft which have also installed the applicable RMD Aircraft Lighting wing tip STC as shown in the AML. Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship 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 AML, dated July 17, 2002, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

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.

HID 9:0501-0174

Date of application: March 22, 2002

Date reissued:

Date of issuance: July 17, 2002

Date amended:



THIS DRAWING AND THE INFORMATION HEREIN ARE THE PROPRIETARY PROPERTY OF RMD INC. THIS DATA IS TO BE USED ON AND IS APPLICABLE TO THE FOLLOWING AIRCRAFT ONLY.

A/C MODEL 182 Q CESSNA
A/C S/N 182-65875
PART NUMBER N759 BZ

By direction of the Administrator
Adrian J. ...
(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.

This certificate may be transferred in accordance with FAR 21.47.

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate*Number* SA4005NM*This certificate, issued to***Precise Flight, Inc.
63354 Powell Butte Road
Bend, OR 97701**

*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 FAA Approved Model List (AML)

Make:

No. SA4005NM for list of approved airplane models

Model:

and applicable airworthiness regulations

Description of the Type Design Change: Precise Flight Inc. Pulselite Control System manufactured in accordance with Precise Flight Engineering Drawing Lists 002P0000, Revision H, dated July 11, 2001; 010P0000, Revision F, dated March 13, 2002; 015P0000, Revision J, dated April 19, 2002; 020P0000, Revision M, dated September 6, 2002; 025P0000, Revision E, dated July 10, 2001, or later FAA approved revisions. Installed in accordance with the appropriate Precise Flight drawing, listed on Precise Flight Engineering Drawing List 001P0020, Revision A, dated July 10, 2002, and/or the Installation Manual listed on FAA AML No. SA4005NM, dated November 27, 2002, or later FAA approved revisions. Maintained in accordance with the appropriate Precise Flight Instructions for Continued Airworthiness found on Engineering Drawing List 001P0020, Revision A, dated July 10, 2002, or found in the appropriate Installation Manual listed on FAA AML SA4005NM, dated November 27, 2002, or later FAA approved revision.

NOTE: Approval for the physical installation of the Pulselite Control Unit will be required if there is no specific reference provided in Engineering Drawing List 001P0020, Revision A, dated July 10, 2002, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the model aircraft on the FAA approved AML SA4005NM only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship 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, FAA approved AML No. SA4005NM, dated November 27, 2002, or later FAA approved revision, and the Airplane Flight Manual Supplement called out in FAA approved AML SA4005NM, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

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: July 21, 1984
Date of issuance: August 19, 1988

Date reissued:
Date amended: 3/31/88; 5/4/89; 6/24/93; 6/22/00;
6/4/01; 11/27/02; 11/7/03



By direction of the Administrator

[Signature]

(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.