



US Department  
of Transportation  
Federal Aviation  
Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark N3275F	Serial No. 670368	
	Make MOONEY	Model M20	Series F
<b>2. Owner</b>	Name (As shown on registration certificate) WILLIAMS, RICHARD S		Address (As shown on registration certificate) Address 81 FLIGHT LINE DR
			City <u>FREDERICKSBURG</u> State <u>VA</u> Zip <u>22405</u> Country <u>USA</u>

### 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 <u>DAVID W GREEN</u>		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
Address <u>160 E AIRPORT AVE</u>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <u>VENICE</u> State <u>FL</u>		<input type="checkbox"/> Certificated Repair Station	<b>AP2809540</b>
Zip <u>34285</u> Country <u>USA</u>		<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 David W Green
--	--

### 7. Approval for Return to Service

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

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

Certificate or Designation No. IA2809540	Signature/Date of Authorized Individual David W Green 7-27-08
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NOTICE

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

N3275F

7-27-08

8. Description of Work Accomplished

Nationality and Registration Mark

Date

INSTALLED MOONEY MART SMOOTH BELLY MODIFICATION STC SA01310AT IN ACCORDANCE WITH INSTALLATION AND DRAWING LIST DOCUMENT 01-SK-OPBL. INSTALLATION IS A DUPLICATE OF A MOONEY FACTORY INSTALLATION, USE MOONEY M20J SERVICE AND PARTS MANUALS FOR REFERENCE AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS. WEIGHT AND BALANCE AND EQUIPMENT LIST UPDATED THIS DATE.

----- END -----

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

*Number* SA01310AT

*This certificate issued to* MOONEY MART  
100 AIRPORT AVE.  
VENICE, FL 34285

*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:* 2A3

*Make:* Mooney

*Model:* M20B,C,E,F,G,J,K

*Description of Type Design Change:*

Installation of a mooney one-piece lower fuselage skin, p/n 310322, and related attachment structure in accordance with Mooney Mart installation instructions, document no. 01-61-001, dated January 1, 1997, or later FAA approved revision.

**Do Not Duplicate**

*Limitations and Conditions:* 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:* January 08, 1997

*Date received:*

*Date of issuance:* March 24, 1997

*Date amended:* October 09, 1998



*By direction of the Administrator*

*[Handwritten Signature]*

(Signature)

FOR

Paul C. Scanyers  
Associate Manager, ACE-117A  
Atlanta Aircraft Certification Office

(Title)

Any alteration of this certificate is prohibited by 14 CFR 21.101. This certificate is valid for a period of 1 year, or until the expiration date of the certificate, whichever is earlier. This certificate may be transferred to other aircraft if approved by the FAA.



US Department  
of Transportation  
Federal Aviation  
Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark N3275F	Serial No. 670368	
	Make MOONEY	Model M20	Series F
2. Owner	Name (As shown on registration certificate) WILLIAMS, RICHARD S	Address (As shown on registration certificate) Address 81 FLIGHT LINE DR	
		City FREDERICKSBURG	State VA
		Zip 22405	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		C. Certificate No.	
Name	DAVID W GREEN	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer	
Address	160 E AIRPORT AVE	<input type="checkbox"/>	Foreign Certificated Mechanic	AP2809540	
City	VENICE State FL	<input type="checkbox"/>	Certificated Repair Station		
Zip	34285 Country USA	<input type="checkbox"/>	Certificated Maintenance Organization		

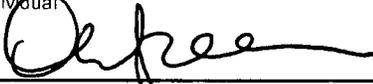
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

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

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

Certificate or Designation No. IA2809540	Signature/Date of Authorized Individual David W Green 7-27-08 
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NOTICE

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

N3275F

7-27-08

8. Description of Work Accomplished

Nationality and Registration Mark

Date

INSTALLED HARTZELL TOP PROP CONVERSION PROPELLER MODEL HC-C2YR-1BFP S/N CH43172B AND SPINNER 835-54(P) IN ACCORDANCE WITH STC SA02414CH-D AND INSTALLATION INSTRUCTIONS 011007. FAA APPROVED FLIGHT MANUAL SUPPLEMENT AFMS\_011007\_2 REV. JULY 12, 2007 AND PLACARD INSTALLED. WEIGHT AND BALANCE AND EQUIPMENT LIST UPDATED. FOR INSTRUCTIONS FOR CONTINUED AIRWORTHINESS SEE HARTZELL ICA\_0110007.

----- END -----

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

# Supplemental Type Certificate

Number SA02414CH-D

This certificate  
issued to

Hartzell Propeller Inc.  
One Propeller Place  
Piqua, OH 45356-2634

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. (See Type Certificate Data Sheet 2A3 for the complete certification basis).

Original Product-Type Certificate Number: 2A3  
Make: Mooney Airplane Company, Inc.  
Model: M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J

*Description of Type Design Change:*

Installation of the Hartzell propeller model HC-C2YR-1BFP/F7497 and Hartzell 835-54(P) or A-2295-5(P) spinner in accordance with Hartzell STC Installation Instructions INST\_011007 dated July 12, 2007, or later FAA Approved revisions.

*Limitations and Conditions:*

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

(Continued...)

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 10, 2007

Date reissued :

Date of issuance : July 12, 2007

Date amended :

By direction of the Administrator



*Brian E. Meyer*  
(Signature)

Brian E. Meyer  
DAS administrator  
Hartzell DAS-100082-CE

(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)

STC SA02414CH-D  
Date of issuance: July 12, 2007

Limitations and Conditions continued...

2. Airplane Flight Manual Supplement AFMS\_011007\_1 is required for M20A, M20B, M20C, M20D, and M20G aircraft.
3. Airplane Flight Manual Supplement AFMS\_011007\_2 is required for M20E and M20F aircraft.
4. Airplane Flight Manual Supplement AFMS\_011007\_3 is required for M20J aircraft.
5. Instructions for Continued Airworthiness ICA\_011007 are applicable.
6. This modification did not increase the noise level and was not considered an acoustical change as defined in 14 CFR 21.93(b).
7. 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.

...END...



Hartzell Propeller Inc.  
One Propeller Place  
Piqua, OH 45356-2634 USA  
Tel: +1-937-778-4200  
Fax: +1-937-778-4215  
www.hartzellprop.com

## Hartzell Top Prop Performance Conversions

### Authorization For Use of STC Document

This Supplemental Type Certificate is the property of Hartzell Propeller, Inc. Hartzell Propeller, Inc. authorizes the use of the STC data only for the aircraft specified below. Any use of this STC beyond the aircraft specified below is a violation of proprietary laws and is subject to legal action.

Please keep the STC, installation instructions, Flight Manual Supplement, and this authorization sheet, in a secure location. There will be a charge for issuing replacement documents.

STC Number:	SA02414CH-D
Aircraft Model:	MOONEY M20F
Serial Number:	B670368
Aircraft Registration:	N3275F
Date Issued:	2/15/08
Issued by:	Erinn Hemmert
<u>Erinn Hemmert</u>	Customer Service Representative
	Hartzell Top Prop Performance Conversions

Hartzell Customer Reference: CO 107990 AVIATION PROPELLERS

11/5/9

ICA\_011007

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR

HARTZELL HC-C2YR-1BFP/F7497 PROPELLER

AND 835-54(P) OR A-2295-5(P) SPINNER ON MOONEY M20(A-G,J) AIRCRAFT

STC SA02414CH-D

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Date
New	All	Original Release	1/10/07

NOTE: All changes are indicated by a black vertical line along the left margin.

ICA\_011007

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR  
HARTZELL HC-C2YR-1BFP/F7497 PROPELLER  
AND 835-54(P) OR A-2295-5(P) SPINNER ON MOONEY M20(A-G,J) AIRCRAFT**

STC SA02414CH-D

**Section 1-3 General Information – Propeller**

The Hartzell HC-C2YR-1BFP/F7497 propeller for the Mooney M20(A-G,J) is a constant speed, variable pitch propeller, controlled by a governor that is set by the pilot for constant RPM operation.

<b>Aircraft Model</b>	<b>M20A-D, G</b>	<b>M20E, F, J</b>
Propeller Mfg.	Hartzell	Hartzell
Type	Constant Speed	Constant Speed
Model	HC-C2YR-1BFP	HC-C2YR-1BFP
Blade	F7497	F7497
Pitch Angle (High)	29.0 ± 1.0°	29.0 ± 1.0°
Pitch Angle (Low)	12.5 ± 0.2°	13.6 ± 0.2°
Diameter	74" Maximum 72.5" Minimum	74" Maximum 72.5" Minimum
Approved Governors	See TCDS 2A3 or TCDS P-920	See TCDS 2A3 or TCDS P-920

Additional propeller information can be found in Hartzell Propeller Owner's Manual 115N.

**For Product Support contact:**

Address: Hartzell Propeller Inc.  
One Propeller Place  
Piqua, Ohio 45356-2634  
USA

Phone: (937) 778-4379 or  
1-800-942-7767

E-mail: techsupport@hartzellprop.com

Internet: www.hartzellprop.com

ICA\_011007

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS  
FOR  
HARTZELL HC-C2YR-1BFP/F7497 PROPELLER  
AND 835-54(P) OR A-2295-5(P) SPINNER ON MOONEY M20(A-G,J) AIRCRAFT**

**STC SA02414CH-D**

**Section 2 – Ground Handling, Service & Inspection**

**WARNING:** DO NOT use a “yoke jack” under the propeller to jack or raise the aircraft nose.

**Airworthiness Limitations**

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no life-limited components used in the STC installation.

**Section 2-37 – Propeller Inspection**

All required maintenance, troubleshooting, inspections, time intervals and procedures are provided in Hartzell Propeller Owner's Manual 115N that is provided with each propeller. Recommended Time-Between-Overhaul (TBO) limits for the STC propeller are also provided in Hartzell Service Letter 61.

The propeller diameter is 74". Field repair of small nicks and scratches may be performed by qualified personnel in accordance with FAA AC 43-13-1( ) as well as procedures specified in Hartzell Propeller Owner's Manual 115N. Propeller overhaul must be accomplished by an approved Propeller Repair Station.

**Section 3-5 – Propeller Installation & Removal**

Refer to the STC Installation Instructions INST\_011007 and Hartzell Propeller Owner's Manual 115N for propeller installation and removal procedures. Reference procedures for “K” and “R” flange propellers.



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).

<b>1. Aircraft</b>	Make <b>MOONEY</b>	Model <b>M20F</b>
	Serial No. <b>670368</b>	Nationality and Registration Mark <b>N3275F</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>FERGUSON RONNEY</b>	Address (As shown on registration certificate) <b>13 COLLINS CREST CT GREENVILLE SC 29607</b>

**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.
<b>LAKE AERO STYLING &amp; REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775</b>	<input type="checkbox"/> U.S. Certificated Mechanic	<b>NT3R722L L-AF, L-PRP, L-SS L-PP</b>
	<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 <b>11-20-97</b>	Signature of Authorized Individual 
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**7. Approval for Return To Service**

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

<b>BY</b>	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 <b>11-20-97</b>	Certificate or Designation No. <b>NT3R722L</b>	Signature of Authorized Individual 
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## NOTICE

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

### 8. Description of Work Accomplished

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

#### REPAIR OF THE LEFT WING AREA BY REPLACING THE FOLLOWING PARTS:

210120-001	RIB, T/E (STA 43.5)
210120-011	RIB, T/E, STIFFENER, BOW
210120-015	RIB, T/E, ANGLE, EXTENSION
220000-161	WING SKIN, FUEL TANK, LH (Sta 24.5-59.25)
220000-145	WING SKIN, LH (147.75-195.3)
220000-147	WING SKIN, LH, TIP (195.3-210.97)

REPAIR BY INSTALLING A DOUBLER OF ALUM 2024T3-.032 MATERIAL ON THE FRWD AND AFT FACE OF THE WING SPAR WEB BETWEEN LEFTHAND WING STATIONS 163.0 AND 168.0. A VERTICAL ANGLE 3/4 X 3/4 OF 2024T3-.032 WAS INSTALLED ON THE FRWD SIDE OF THE SPAR WEB AT LH Sta 165.25.

REPAIR WAS ACCOMPLISHED IAW MOONEY AIRCRAFT CORP SERVICE MANUAL NO. 133, CHAPTER 57, AND AC 43.13-1A para 95 thru 99, AS APPROPRIATE. ALL HARDWARE IAW MOONEY CORP PARTS MANUAL.

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  
*2011/15*

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 Mooney	Model M20-F
	Serial No. 67-0368	Nationality and Registration Mark N3275F
2. Owner	Name (As shown on registration certificate) CDM Aviation, Inc.	Address (As shown on registration certificate) 3511 Silverside Rd. Wilmington, De. 19810-4902

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.
O'Neal Holsonback 1500 Cargo Rd. Bushfield Airport Augusta, Ga. 30906	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	247848121 A&P
	<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 <i>1-20-06</i>	Signature of Authorized Individual <i>O'Neal Holsonback</i>
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7. Approval for Return To Service

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

BY	FAA Flt. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <i>1-20-06</i>	Certificate or Designation No. <i>247848121 IA</i>	Signature of Authorized Individual <i>O'Neal Holsonback</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 Challenger Re-useable Air Filter in accordance with STC SA01669CH and installation instructions. Made logbook entries. No weight or balance change.

-----END-----

Additional Sheets Are Attached

01-12-06  
ISSUED TO: C D M AVIATION, INC.  
A/C MODEL: M20F  
S/N: 67-0368  
N3275F

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

*Number* SA01669CH

*This certificate is issued to* Challenger Aviation Products, Inc.  
3530 Lightner Road  
Vandalia, OH 45377

*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 Regulations.*

*Original Product* *Type Certificate Number* \*See attached FAA Approved Model List (AML)  
*Model* \* No. SA01669CH for list of Approved airplane models  
*Model* \* and applicable airworthiness regulations.

*Description of Type Design Change:*

Installation of Challenger Re-usable Air Filters in accordance with Installation Instructions on AML No. SA01669CH, issued July 3, 2002, 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. A copy of this Certificate and FAA Approved Model List (AML) No. SA01669CH issued July 3, 2002, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.
3. Installer must use Challenger Air Filter Cleaning Instructions (Instructions for Continued Airworthiness) Document #4003, Revision C, dated March 9, 2004, or later FAA approved revision.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until:*

*Date of application* November 9, 2001

*Date issued* May 18, 2004

*Date of issuance* July 3, 2002

*Date amended* March 10, 2004; May 3, 2004; May 27, 2004; December 10, 2004

*surrendered, suspended, revoked or a termination date*

*Signature of the Administrator*



*is otherwise established by the Administrator of the Federal Aviation Administration*

*(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.  
FAA Form 0110-2 (10-00) PAGE 1 OF 2 PAGES This certificate may be transferred in accordance with FAR 21.47.

Authorized Challenger Representative \_\_\_\_\_

Inv# \_3139 MOA \_\_\_\_\_

For Questions regarding this STC please contact:  
Challenger Aviation Products, Inc.  
PO Box 577  
Vandalia OH 45377  
937-667-0510

Permission for Use of STC Document

This Supplemental Type of Certificate is the property of Challenger Aviation Products, Inc. Challenger Aviation Products, Inc. authorizes the use of STC data only for the aircraft specified. Unauthorized use of the STC data is a Violation of proprietary laws and is subject to legal action. Please keep the STC and installation instructions in a secure location. There will be a charge for issuing replacement documents.



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  
*WP-27*

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 MOONEY	Model M20F
	Serial No. 670368	Nationality and Registration Mark 3275F
2. Owner	Name (As shown on registration certificate) BERSTIEN ALLEN S BERNSTIEN DIANA	Address (As shown on registration certificate) 312 CALLE LINDA SEDONA AZ 86336-4762

3. For FAA Use Only

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

*10-21-99*      *[Signature]*      *WP-27*  
DATE                      SIGNATURE                      OAK-FSDO

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.
RICK RADLIFF 6100 S. LINDBERGH ST STOCKTON CA 95206	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	563352837
	<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 <i>10-21-99</i>	Signature of Authorized Individual <i>[Signature]</i>
-------------------------	--

7. Approval for Return To Service

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

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

Date of Approval or Rejection <i>10-21-99</i>	Certificate or Designation No. 566531421 IA	Signature of Authorized Individual <i>[Signature]</i>
--	--	--

## NOTICE

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

### 8. Description of Work Accomplished

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

1. REMOVED NARCO ELT 10 AND INSTALLED AMERI-KING MODEL AK 450, EMERGENCE LOCATOR TRANSMITTER PER TSO-C91A. ALL WORK COMPLETED I.A.W. AMERI KING INSTALATION & OPREATION MANUAL DOCUMENT NO. IM-450 AND AC43.13-2A CHAPTERS 1 THROUGH 3,11 AND 13.
2. MOUNTED ELT ON SAME RADIO TRAY IN SAME LOCATION THAT PREVIOUS ELT WAS MOUNTED USED SUPPLIED MOUNTING BRACKET P/N 450013. MOUNTED REMOTE UNIT ASSEMBLY P/N 450004 IN INSTRUMENT PANEL ABOVE RT SIDE RADIO STACK.
- 3.I.A.W. SECTION 3 OF AMERI-KING INSTALATION AND OPERATION MANUAL DOCUMENT NO. IM-450.
- 4.ELT IS LOCATED IN THE TAIL CONE OF THE AIRCRAFT BEHIND THE BATTERY ACCESS PANEL THIS PANEL MUST BE REMOVED FOR MAINTENCE TO BE COMPLETED I.A.W. SECTION 3 OF THE AMERI-KING INSTALATION AND OPERATION MANUAL DOCUMENTNO. IM-450.
- 5.COMPLETE OPERATIONAL CHECK I.A.W. FAR 91.207 [D][1][2][3][4] AND I.A.W. APPENDIX A AND SECTION 3,4 OF THE INSTALATION AND OPERATION DOCUMENT NO. IM-450.
- 6.NO INFORMATION GIVEN.
7. REMOVIAL OF ELT IS ACOMPLISHED BY FIRST REMOVING THE BATTERY ACCESS PANEL ON LEFT SIDE OF TAIL CONE JUST AFT OF WING. REMOVIAL OF THE ELT UNIT AND ITS COMONITS IS THEN ACOMPLISHED I.A.W. AMERI-KING INSTALATION AND OPERATION DOCUMENT IM-450.
- 8.REMOVAL OF BATTERY COMPARTMENT ACESS PANEL IS REQUIRED, SEE MOONEY MAINTENCE MANUAL.
- 9.NA
- 10.NONE GIVEN IN MANUFACTURE INSTRUCTIONS.
- 11.SUPPLIED MOUNTING TRAY SECURED TO RADIO RACK USING 4 EA MS35206-228 SCREWS AND 4 EA MS21042-12 NUTS.
- 12.NA
- 13.NA
14. NO ADDITIONAL OVERHAULE TIME LIMITATIONS.
- 15.NA
- 16.A LETTER WILL BE SUBMITTED TO THE LOCAL FSDO WITH A COPY OF THE REVISED FAA FORM 337 ANDREVISED ICA.

|| 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  
*W 2-07*

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 MOONEY	Model M20F
	Serial No. 670368	Nationality and Registration Mark USA N3275F
2. Owner	Name (As shown on registration certificate)	
	BERNSTEIN ALLEN S. BERNSTEIN DIANA	
		Address (As shown on registration certificate)
		312 CALLE LINDA SEDONA, AZ 86336-4762

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.
PETER M. BAXTER 6543 CRYSTAL LANE PRESCOTT, AZ 86301	<input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	527865572

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 5/25/99	Signature of Authorized Individual <i>Peter M. Baxter</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 5/26/99	Certificate or Designation No. 527865572	Signature of Authorized Individual <i>Peter M. Baxter</i>		





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 FSDO  
RJC wp-15

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 <b>MOONEY</b>	Model <b>M 20 F</b>
	Serial No. <b>670368</b>	Nationality and Registration Mark <b>N 3275F</b>
2. Owner	Name (As shown on registration certificate) <b>BERNSTEIN, ALLEN S.</b>	Address (As shown on registration certificate) <b>312 CALLE LINDA SEDONA, AZ 86336</b>
	<b>BERNSTEIN, DIANA</b>	

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>ADVANCED AVIATION SERVICES, INC. REID HILLVIEW AIRPORT 2550 John Montgomery Dr. San Jose, CA 95148 FAA Repair Station #AX3R387L</b>	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	<b>AX3R387L RADIO 142 INSTA 143 AIRFRAME LTD</b>
	<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 <b>8/4/98</b>	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	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <b>8/4/98</b>	Certificate or Designation No. <b>AX3R387L</b>	Signature of Authorized Individual 
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### NOTICE

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

#### 8. Description of Work Accomplished

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

REMOVED MOONEY POSITIVE CONTROL AUTOPILOT SYSTEM.  
INSTALLED STEC MODEL SYSTEM 30 AUTOPILOT SYSTEM  
PER STC SA09212AC-D, INSTALLATION MANUAL #676 AND BULLETIN  
#776 DATED 10/20/97.

WEIGHT AND BALANCE CHANGE AS FOLLOWS:

EW=1746.4

UL=993.6

CG=46.40

MOM=81030.12

-----END-----

Additional Sheets Are Attached

RECEIVED



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

OCT 19 1995

Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification ASO-FSDO-03

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 Mooney, Model M20F, Serial No. 670368, Nationality and Registration Mark USA N3275F
2. Owner: Name Ronney L. Ferguson, Address 13 Collins Crest CT Greenville, SC 29607

3. For FAA Use Only

4. Unit Identification

5. Type

Table with columns: Unit, Make, Model, Serial No., Repair, Alteration. Rows include AIRFRAME, POWERPLANT, PROPELLER, and APPLIANCE (Type, Manufacturer).

6. Conformity Statement

A. Agency's Name and Address: KnoxAir, Inc., 2221 Airport Highway, Alcoa, TN 37701
B. Kind of Agency: U.S. Certificated Mechanic, Foreign Certificated Mechanic, X Certificated Repair Station, Manufacturer
C. Certificate No.: Radio Class 1,2,3 RE4R489M

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: 10/14/95
Signature of Authorized Individual: J.M. FOULDS

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, X Repair Station, Person Approved by Transport Canada Airworthiness Group
Date of Approval or Rejection: 10/14/95, Certificate or Designation No.: RE4R489M, Signature of Authorized Individual: J.M. FOULDS

N32755

### 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:

- 1) Narco COM 11A, No.1 Comm
- 2) Narco NAV 14, No.1 Nav.
- 3) Narco UGR-2A, GS Rec.
- 4) Narco DGO-10, HSI.

##### Installed:

- 1) Narco MK-12D Nav/Comm/GS, s/n 56220, in radio stack at STA. 51.00, in place of removed nav. and comm.
- 2) Century NSD-360A-15 non-slaved HSI, system no. NSD-1629, p/n 52D136-1333, s/n 13346A, in pilot's instrument panel at STA. 51.00, in place of removed HSI.

Narco MK-12D installed in accordance with Narco installation manual.

Century NSD-360A HSI installed in accordance with Century installation manual.

Equipment installation complies with the following:

AC 43.13-1A, Chapter 5, Section 1, Para. 227, 228, 230, 231  
Chapter 11, Section 2, Para. 424, 426,  
428, 429  
Section 3, Para. 442-450  
Section 5, Para. 478  
Section 7, Para. 514-520  
Chapter 13, Para. 656, 657, 659, 662  
Chapter 15, Section 1, Para. 754

AC 43.13-2A, Chapter 1, Para. 6, 9-12  
Chapter 2, Para. 21-27

Equipment ramp checked to confirm proper operation, and found to have no adverse effect on other equipment installed in the aircraft. Compass calibration checked. Electrical load found to be within the capacity of the 50 amp generator installed in the aircraft. Weight and balance revised. Equipment list revised, log book entry made. This work was completed under Knox-Air, Inc. Work Order No. 17122.

-----  
END  
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Additional Sheets Are Attached

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Form Approved  
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION

SO FSDO 13

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 MOONEY	MODEL M20F
	SERIAL NO. 670368	NATIONALITY AND REGISTRATION MARK N3275F
2. OWNER	NAME (As shown on registration certificate) FERGUSON, RONNEY L.	ADDRESS (As shown on registration certificate) 13 COLLINS CREST COURT GREENVILLE, SC 29607

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.
WILLIAM STANFIELD 120 CLUB LOOP GREENVILLE, SC 29605	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	254231320
	<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 JANUARY 30, 1996	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>William Stanfield</i> WILLIAM STANFIELD
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7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	XX	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 01-30-1996	CERTIFICATE OR DESIGNATION NO. 105462547	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John W. Broadhead</i> JOHN W. BROADHEAD			

## 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 O+N AIRCRAFT MODIFICATIONS, INC. FUEL BLADDER CELLS IN LEFT AND RIGHT WINGS PER STC SA2277CE WITH THE FOLLOWING LISTED APPROVED DATA:

1.) BRENTWOOD ENGINEERING, INC., INSTALLATION DRAWING LIST B-400, DATED JULY 30, 1987, REVISED SEPTEMBER 11, 1987.

2.) REPORT B-200, REVISED MAY 5, 1995.

3.) REPORT B-300, REVISED SEPTEMBER 11, 1987.

WEIGHT AND BALANCE REVISED TO REFLECT THIS INSTALLATION.

END

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Form Approved  
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION

50-7500-13

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 MOONEY	MODEL M20F
	SERIAL NO. 670368	NATIONALITY AND REGISTRATION MARK N3275F
2. OWNER	NAME (As shown on registration certificate) FERGUSON, RONNEY L.	ADDRESS (As shown on registration certificate) 13 COLLINS CREST COURT GREENVILLE, SC. 29607

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				
POWERPLANT	LYCOMING	IO-360-A1A	L-3621-51A		X
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
JOHN W. BROADHEAD 120 CLUB LOOP GREENVILLE, SC. 29605	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	105462547
	<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 09-18-1995	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John W. Broadhead</i> JOHN W. BROADHEAD
--------------------	---

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 DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 09-18-1995	CERTIFICATE OR DESIGNATION NO. 105462547	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John W. Broadhead</i> JOHN W. BROADHEAD			

## NOTICE

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

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

REPLACED ORIGINAL LYCOMING STARTER WITH SKY-TEC 12 VOLT  
STARTER MODEL 149-12PM PER SKY-TEC SUPPLEMENTAL TYPE CERTIFICATE  
SE00218NY. IN ACCORDANCE WITH SKY-TEC DRAWINGS 20102 AND 20102  
REVISION A.  
AIRCRAFT WEIGHT AND BALANCE REVISED TO REFLECT THIS INSTALLATION.

\_\_\_\_\_ END \_\_\_\_\_

ADDITIONAL SHEETS ARE ATTACHED

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

FOR FAA USE ONLY

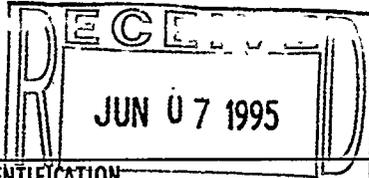
OFFICE IDENTIFICATION

LW13 50 FSDO 13

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 MOONEY	MODEL M-20F
	SERIAL NO. 670368	NATIONALITY AND REGISTRATION MARK N 3275F
2. OWNER	NAME (As shown on registration certificate) ROONEY LYNN FERGUSON	ADDRESS (As shown on registration certificate) 13 COLLINGS CREST CT. GREENVILLE, SC 29607

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.
Tedd L. BISHOP 205 CONNECTICUT DR. GREENVILLE, SC 29615	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	A4P 1398871

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 5-26-95	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Tedd L Bishop</i>
-----------------	--

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 6-6-95	CERTIFICATE OR DESIGNATION NO. 1A-1251564	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Walt Faber</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 COCKPIT CLOSURE FAIRING FURNISHED BY  
LAKE AERO STYLING AND REPAIR, 4725 HIGHLAND SPRING RD.,  
LAKEPORT, CA 95453

INSTALLED IN ACCORDANCE WITH STC SA4535NM AND  
INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR  
DRAWING LIST REPORT NO. 131.

WEIGHT AND BALANCE DATA:

+ ONE POUND AT STATION -33, (-33 MOMENTS)

NEW EMPTY WEIGHT: 1750.85

NEW MOMENT : 80022.38

NEW C/G : 45.7

NEW USEFUL LOAD : 989.15

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Form Approved  
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION

50-13 *LP*

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 MOONEY	MODEL M20F
	SERIAL NO. 670368	NATIONALITY AND REGISTRATION MARK N3275F
2. OWNER	NAME (As shown on registration certificate) FERGUSON, RONNEY L.	ADDRESS (As shown on registration certificate) 13 COLLINS CREST COURT GREENVILLE, SC. 29607

3. FOR FAA USE ONLY

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
WILLIAM T. STANFIELD 16 WATERMARK COURT PIEDMONT, SC. 29673	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	254231320
	<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 JUNE 21, 1995	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John W. Broadhead</i>
-----------------------	--

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION JUNE 21, 1995	CERTIFICATE OR DESIGNATION NO. 105462547	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John W. Broadhead</i> JOHN W. BROADHEAD		

## 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 LOWER AILERON GAP SEALS WITH APPROVED PARTS LISTED :

1ea L004-230015-001-2 R/H SEAL  
1ea L004-230015-001-1 L/H SEAL  
.5W X .005 THICK MYLAR TAPE  
60ea AD42-4H USM BLIND RIVETS

INSTALLED IN ACCORDANCE WITH STC 4443NM, AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT # 101.

INSTALLED FLAP GAP SEALS WITH APPROVED PARTS LISTED :

1ea C-L002-210374-001 FLAP SEAL, L/H IB  
1ea C-L002-210374-002 FLAP SEAL, R/H IB  
2ea C-1002-210374-003 FLAP SEAL, L/H  
2ea C-L002-210374-004 FLAP SEAL, R/H  
2ea C-L001-210375-001 CHANNEL  
4ea C-L001-210375-003 CHANNEL  
450ea AD-42-H USM BLIND RIVETS  
22ea CR 3243-4-1 CHERRYMAX BLIND RIVETS

INSTALLED IN ACCORDANCE WITH STC SA 4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT #100.

WEIGHT AND BALANCE REVISED TO REFLECT THIS INSTALLATION.

----- END -----

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Form Approved  
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY

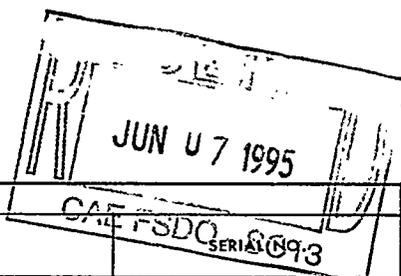
OFFICE IDENTIFICATION

TND SO FSDO 13

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 MOONEY	MODEL M-20F
	SERIAL NO. 670368	NATIONALITY AND REGISTRATION MARK N3275F
2. OWNER	NAME (As shown on registration certificate) RONNEY LYNN FERGUSON	ADDRESS (As shown on registration certificate) 13 COLLINS CREST CT. GREENVILLE, SC 29615

3. FOR FAA USE ONLY



4. UNIT IDENTIFICATION

5. TYPE

UNIT	MAKE	MODEL	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 Tedd L. Bishop 205 CONNECTICUT DR GREENVILLE, SC 29615	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. A4P 1398871
--	--	-----------------------------------

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 5-26-95	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>[Signature]</i>
-----------------	--

7. APPROVAL FOR RETURN TO SERVICE

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

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

DATE OF APPROVAL OR REJECTION 6-6-95	CERTIFICATE OR DESIGNATION NO. 1A1251564	SIGNATURE OF AUTHORIZED INDIVIDUAL Walt Palm
---	---	---

## 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 COWL CLOSURE FAIRING FINISHED BY  
LAKE AERO STYLING AND REPAIR, 4725 HIGHLAND SPRING RD,  
LAKEPORT, CA, 95453

INSTALLED IN ACCORDANCE WITH STC SA4535NM AND  
INSTRUCTIONS PROVIDED BY LAKE AERO STYLING AND REPAIR  
DRAWING LIST REPORT NO. 131.

WEIGHT AND BALANCE DATA:

+ ONE POUND AT STATION -33, (-33 MOMENTS)

NEW EMPTY WEIGHT : 1750.85

NEW MOMENT : 80022.38

NEW C/G : 45.7

NEW USEFUL LOAD : 989.15

- 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

2

**For FAA Use Only**

Office Identification

SAT-FSDO SW-17

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).

<b>1. Aircraft</b>	Make <p style="text-align: center;">MOONEY</p>	Model <p style="text-align: center;">M20F</p>
	Serial No. <p style="text-align: center;">670368</p>	Nationality and Registration Mark <p style="text-align: center;">N 3275F</p>
<b>2. Owner</b>	Name (As shown on registration certificate) <p style="text-align: center;">FERGUSON RONNEY L</p>	Address (As shown on registration certificate) <p style="text-align: center;">13 COLLINS CREST CT GREENVILLE, SC 29607</p>

**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**

<b>A. Agency's Name and Address</b> PIPPEN/YORK FLYING MACHINE CO. MUNICIPAL AIRPORT PO BOX 159 BURNET, TX 78611	<b>B. Kind of Agency</b> <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	<b>C. Certificate No.</b> RADIO LIMITED INSTRUMENT LIMITED AIRFRAME LIMITED FMZR327K
--	---	--

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 <p style="text-align: center;">4/13/95</p>	Signature of Authorized Individual <p style="text-align: center;"><i>Gregory A. York</i></p>
--	---

**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

<b>BY</b>	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 <p style="text-align: center;">4/13/95</p>		Certificate or Designation No. <p style="text-align: center;">FMZR327K</p>	Signature of Authorized Individual <p style="text-align: center;"><i>Gregory A. York</i></p>	

**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 3275F -

USA

Date 4/13/95

Installed WX-900 Stormscope System.

Component and system installation of this equipment listed on this 337 were accomplished in accordance with AC 43.13-2A, Chapters 1 and 2.

Aircraft structural and metal work were accomplished in accordance with AC 43.13-2A, Chapter 1 and AC 43.13-1A Chapter 2, Section 3. Aircraft hardware used was in accordance with AC 43.13-1A, Chapter 5, Section 1.

Electrical load, circuit protection and wire installation were accomplished in accordance with AC 43.13.1A, Chapter 11, Sections 2,3,4,5 and 6.

Antenna installation in accordance with manufacturer's instructions and AC 43.13-2A, Chapter 3.

The aircraft equipment list is revised to reflect these changes: weight and balance data was furnished and placed in aircraft records. The approved flight manual was updated as required.

A functional test of the installation described in this 337 was performed in accordance with FAR 23.1301 and FAR 23.1431. Operation was satisfactory and the installation did not adversely affect existing component and systems in the aircraft.

-----END-----

MBR	AO	ASST	CP	SE7	ASS	FMU
OPS		CF ASA		AW ASA		(S)
OP1	OP6	RECEIVED			AW6	AW1
OP2	OP7	APR 18 1995			AW7	AW2
OP3	OP8	FAA SAT. FSDO			AW8	AW3
OP4	OP9	AV1		AV3	AW9	AW4
OP5	OP10	A 2			AW10	AW5

Additional Sheets Are Attached

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION

*ST 7SD0-13*

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 <i>MOONEY</i>	MODEL <i>M-20F</i>
	SERIAL NO. <i>670368</i>	NATIONALITY AND REGISTRATION MARK <i>N 3295F</i>
2. OWNER	NAME (As shown on registration certificate) <i>RON FERGUSON</i>	ADDRESS (As shown on registration certificate) <i>13 COLLINS CREST CT. GREENVILLE, SC 29607</i>

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
<i>TEDD L. BISHOP 205 CONNECTICUT DR. GREENVILLE, SC 29615</i>	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	<i>1398871</i>
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

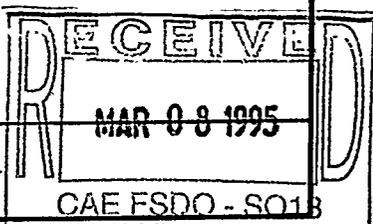
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

DATE <i>2-28-95</i>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Tedd L. Bishop</i>
------------------------	---

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION <i>3-1-95</i>	CERTIFICATE OR DESIGNATION NO. <i>1A1251504</i>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Walter W. Palmer</i>		



## NOTICE

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

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

1. COMPLETED WORK 2-28-95  
N3275F USA REG.

2. APPROVAL AUTHORITY FOR INSTALLATION OF DIGITAL  
AUTOMATIC ENGINE ANALYZER: STC - SA4302NM  
STD 27 APR 88 AMENDED 13 OCT 89. ISSUED TO  
ELECTRONICS INTERNATIONAL, INC. - BY SEATTLE AIRCRAFT  
CERTIFICATION OFFICE.

3. MODEL US 8A-4 SERIAL NO. 17309 INSTALLED.

4. INSTALLATION WAS IN ACCORDANCE WITH MANUAL  
01072491 AND 11072091 FURNISHED WITH STC - BY MFG.

5. ELECTRICAL LOAD INCREASE 1 AMP WITHIN  
MARGIN OF 60% LOAD OF 50 AMP SYSTEM.

6. WEIGHT AND BALANCE: (15 OZ) PLUS  
NEGLECTIBLE CHANGE

— — — END — — —

ADDITIONAL SHEETS ARE ATTACHED

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION  
SO-7500-13

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 <i>MOONEY</i>	MODEL <i>M-20F</i>
	SERIAL NO. <i>670368</i>	NATIONALITY AND REGISTRATION MARK <i>N13295F</i>
2. OWNER	NAME (As shown on registration certificate) <i>RON FERGUSON</i>	ADDRESS (As shown on registration certificate) <i>13 COLLINS CREST CT. GREENVILLE, SC 29607</i>

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

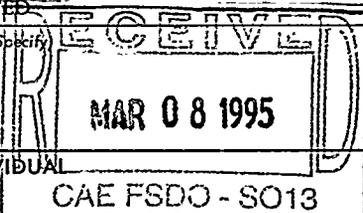
A. AGENCY'S NAME AND ADDRESS <i>Tedd L. Bishop 205 CONNECTICUT DR. GREENVILLE, SC 29615</i>	B. KIND OF AGENCY <input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	C. CERTIFICATE NO. <i>1398871</i>
--	--	--------------------------------------

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

DATE <i>2-28-95</i>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Tedd L. Bishop</i>
------------------------	---

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION <i>3-1-95</i>	CERTIFICATE OR DESIGNATION NO. <i>1A1251564</i>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Walter Fahr</i>		

## NOTICE

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

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

1. COMPLETED WORK 2-28-95

N3275F USA REG.

2. APPROVAL AUTHORITY FOR INSTALLATION OF DIGITAL AUTOMATIC ENGINE ANALYZER; STC - SA4302NM DTD 21 APR 88 AMENDED 13 OCT 89. ISSUED TO ELECTRONICS INTERNATIONAL, INC. BY SEATTLE AIRCRAFT CERTIFICATION OFFICE.

3. MODEL US 8A-4 SERIAL NO. 17309 INSTALLED.

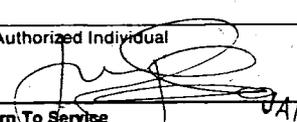
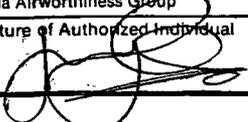
4. INSTALLATION WAS IN ACCORDANCE WITH MANUAL 01072491 AND 11072091 FURNISHED WITH STC. BY MFG.

5. ELECTRICAL LOAD INCREASE 1 AMP WITHIN BURRAQE OF 60% LOAD OF 50 AMP SYSTEM.

6. WEIGHT AND BALANCE: (15 OZ) PLUS.  
NEGLECTIBLE CHANGE

— — — END — — —

ADDITIONAL SHEETS ARE ATTACHED

 US Department of Transportation Federal Aviation Administration	<b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020			
	For FAA Use Only							
	Office Identification S0039503444							
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 Mooney			Model M20F				
	Serial No. 670368			Nationality and Registration Mark U.S.A. N3275F				
2. Owner	Name (As shown on registration certificate) Ferguson, Ronney L			Address (As shown on registration certificate) 13 Collins Crest Ct Greenville, SC 29607				
	The data identified on this form with applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, section 43.7.							
3. For FAA Use Only								
.12.19.94. Date								
Signature of FAA Inspector								
4. Unit Identification					5. Type			
Unit	Make	Model	Serial No.	Repair	Alteration			
AIRFRAME	(As described in Item 1 above)					X		
POWERPLANT								
PROPELLER								
APPLIANCE	Type							
	Manufacturer							
6. Conformity Statement								
A. Agency's Name and Address			B. Kind of Agency		C. Certificate No.			
Knox-Air, Inc; 2221 Airport Highway Alcoa, TN 37701			U.S. Certificated Mechanic		Radio Class 1,2,3 RE4R489M			
			Foreign Certificated Mechanic					
			X				Certificated Repair Station	
			Manufacturer					
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.								
Date			Signature of Authorized Individual					
10/7/94								
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 described by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED								
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization		Other (Specify) DEC 1 =			
	FAA Designee	X	Repair Station	Person Approved by Transport Canada Airworthiness Group				
Date of Approval or Extension		Certificate or Designation No.	Signature of Authorized Individual					
1/2/95		RE4R489M						

**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 Apollo 612C Loran 'C' System, Brittain BI603 A/P, and yoke mounted 8-day clock.

Relocated King KR-86 receiver from right hand radio stack to top of center radio stack.

Installed Magellan Skynav 5000 GPS receiver, s/n 4A003003, in right hand instrument panel. GPS antenna mounted on top of aircraft above fwd cabin. Davtron M400M control wheel mounted clock, s/n 09291, installed in pilots control wheel. Equipment installed in accordance with Magellan installation manual p/n 22-40003-011, revision 1.1, dated April 1993, reference STC no. SA8213SW. Clock installed IAW Davtron installation instructions. Installation also complies with the following:

- AC 43.13-1A, Chapter 5, Section 1, Para. 227, 228, 230, 231
- Chapter 11, Section 2, Para. 424, 426, 428, 429
- Section 3, Para. 442-450
- Section 5, Para. 478
- Section 7, Para. 514-520
- Chapter 13, Para. 656, 657, 659, 662
- Chapter 15, Section 1, Para. 754
- AC 43.13-2A, Chapter 1, Para. 6, 9-12
- Chapter 2, Para. 21-27
- Chapter 3, Para 36

GPS is a stand alone system and is not connected or interfaced with any other equipment in the aircraft. GPS installed IAW AC 20-138, Para 6, 7. Magellan User Guide and Flight Manual Supplement, p/n 22-40002-020, revision 2.0, dated 06/93 placed with the aircraft flight manual. Aircraft placarded 'Navigation Must Not Be Predicated On GPS Alone' and 'GPS Limited To VFR Use Only.' Equipment checked and found to have no adverse effect on other equipment installed in the aircraft. Electrical load does not exceed 80% of the 50 amp generator installed in the aircraft. Compass calibration checked. Weight and balance and equipment list revised, log book entry made. This work was completed under Knox-Air, Inc. Work Order No. 15944.

-----END-----

Additional Sheets Are Attached

FLIGHT TEST DATA FOR GPS INSTALLATION - VFR:

Mfg: Magellan Model: Skyneav 5000 S/N: 4A003003  
A/C Reg. No: N3275F A/C S/N: 670368  
A/C Type: Mooney M20F

FLIGHT TEST DATA:

Pilot: Ron Ferguson  
Observer: Jonathan Foulds  
Date: 10/7/94

<u>TEST FACILITY:</u>	<u>LAT/LONG</u>	<u>POS. FIXING ERROR (NM)</u>
Knoxville VOR, VXV	N 35.54'29" W 083.53'68"	

PASS NO:

1.	35.54'26" 083.53'69"	< 0.1
2.	35.54'29" 083.53'64"	< 0.1
3.	35.54'28" 083.53'67"	< 0.1
4.	35.54'26" 083.53'68"	< 0.1
5.	35.54'32" 083.53'69"	< 0.1

Installation meets the accuracy requirements of AC 20-138,  
Para. 6 a. (1).

-----END-----

JAN 9 1995

FLIGHT TEST DATA FOR GSS INSTALLATION - VERB

Mfg: Medelco  
Model: GRVAV 5002 S/N: A403202  
A/C Reg: N3275P A/C S/N: 67058  
A/C Type: Honey M30F

FLIGHT TEST DATA:

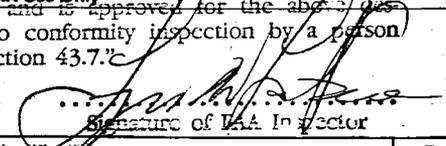
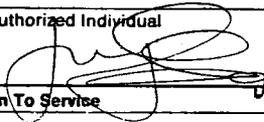
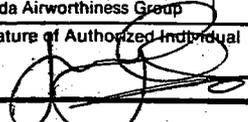
Pilot: Ron Ferguson  
Observer: Jonathan Foulds  
Date: 10/1/94

TEST FACILITY: LATLONG POS. FIXING ERROR (NM)

TEST FACILITY:	LATLONG	POS. FIXING ERROR (NM)
Knockville VOR VAV	N 35.54.28"	
	W 083.53.68"	
1.	35.54.28"	< 0.1
	083.53.68"	
2.	35.54.28"	< 0.1
	083.53.68"	
3.	35.54.28"	< 0.1
	083.53.68"	
4.	35.54.28"	< 0.1
	083.53.68"	
5.	35.54.28"	< 0.1
	083.53.68"	

Installation meets the accuracy requirements of AC 20-138, Para. 6.1.1.1.

-----  
END

 US Department of Transportation Federal Aviation Administration	<b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020	
	For FAA Use Only					
	Office Identification S003950 3444					
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 <b>Mooney</b>			Model <b>M20F</b>		
	Serial No. <b>670368</b>			Nationality and Registration Mark <b>U.S.A. N3275F</b>		
2. Owner	Name (As shown on registration certificate) <b>Ferguson, Ronney L</b>			Address (As shown on registration certificate) <b>13 Collins Crest Ct                  Greenville, SC 29607</b>		
	The data identified in this report is for FAA Use Only with applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, section 43.7.c 12-19-94 Date  Signature of FAA Inspector					
4. Unit Identification				5. Type		
Unit	Make	Model	Serial No.	Repair	Alteration	
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~					
POWERPLANT						
PROPELLER						
APPLIANCE	Type					
	Manufacturer					
6. Conformity Statement						
A. Agency's Name and Address			B. Kind of Agency		C. Certificate No.	
Knox-Air, Inc; 2221 Airport Highway Alcoa, TN 37701			<input type="checkbox"/> U.S. Certificated Mechanic <input checked="" type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer		Radio Class 1,2,3 RE4R489M	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.						
Date			Signature of Authorized Individual			
10/7/94						
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 described by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> 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		DEC 1 1995	
Date of Approval		Certificate or Designation No.	Signature of Authorized Individual			
11/1/95		RE4R489M				

## 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 Apollo 612C Loran 'C' System, Brittain BI603 A/P, and yoke mounted 8-day clock.

Relocated King KR-86 receiver from right hand radio stack to top of center radio stack.

Installed Magellan Skynav 5000 GPS receiver, s/n 4A003003, in right hand instrument panel. GPS antenna mounted on top of aircraft above fwd cabin. Davtron M800M control wheel mounted clock, s/n 09291, installed in pilots control wheel. Equipment installed in accordance with Magellan installation manual p/n 22-40003-011, revision 1.1, dated April 1993, reference STC no. SA8213SW. Clock installed IAW Davtron installation instructions. Installation also complies with the following:

AC 43.13-1A, Chapter 5, Section 1, Para. 227, 228, 230, 231  
 Chapter 11, Section 2, Para. 424, 426,  
 428, 429  
 Section 3, Para. 442-450  
 Section 5, Para. 478  
 Section 7, Para. 514-520  
 Chapter 13, Para. 656, 657, 659, 662  
 Chapter 15, Section 1, Para. 754  
 AC 43.13-2A, Chapter 1, Para. 6, 9-12  
 Chapter 2, Para. 21-27  
 Chapter 3, Para 36

GPS is a stand alone system and is not connected or interfaced with any other equipment in the aircraft. GPS installed IAW AC 20-138, Para 6, 7. Magellan User Guide and Flight Manual Supplement, p/n 22-40002-020, revision 2.0, dated 06/93 placed with the aircraft flight manual. Aircraft placarded 'Navigation Must Not Be Predicated On GPS Alone' and 'GPS Limited To VFR Use Only.' Equipment checked and found to have no adverse effect on other equipment installed in the aircraft. Electrical load does not exceed 80% of the 50 amp generator installed in the aircraft. Compass calibration checked. Weight and balance and equipment list revised, log book entry made. This work was completed under Knox-Air, Inc. Work Order No. 15944.

-----END-----

Additional Sheets Are Attached

t1

FLIGHT TEST DATA FOR GPS INSTALLATION - VFR:

Mfg: Magellan Model: Skynev 5000 S/N: 4A003003  
A/C Reg. No: N3275F A/C S/N: 670368  
A/C Type: Mooney M20F

FLIGHT TEST DATA:

Pilot: Ron Ferguson  
Observer: Jonathan Foulds  
Date: 10/7/94

<u>TEST FACILITY:</u>	<u>LAT/LONG</u>	<u>POS. FIXING ERROR (NM)</u>
Knoxville VOR, VXV	N 35.54'29" W 083.53'68"	

PASS NO:

1.	35.54'26" 083.53'69"	< 0.1
2.	35.54'29" 083.53'64"	< 0.1
3.	35.54'28" 083.53'67"	< 0.1
4.	35.54'26" 083.53'68"	< 0.1
5.	35.54'32" 083.53'69"	< 0.1

Installation meets the accuracy requirements of AC 20-138,  
Para. 6 a. (1).

-----END-----

JAN 9 1995

FLIGHT TEST DATA FOR GPS INSTALLATION - VFR

Model: Skyview 5000 S/N: 54003003  
A/C Reg. No: N3275F A/C S/N: 67386  
A/C Type: Mooney M20R

FLIGHT TEST DATA:

Pilot: Ron Ferguson  
Observer: Jonathan Foulds  
Date: 10/1/94

TEST FACILITY: POS. FIXING ERROR (NM)

Knoxville VOR, VXX  
N 35.54.28"  
W 083.53.68"

PASS NO:

Pass No	Lat	Long	Fixing Error (NM)
1	35.54.28"	083.53.68"	< 0.1
2	35.54.28"	083.53.64"	< 0.1
3	35.54.28"	083.53.67"	< 0.1
4	35.54.28"	083.53.68"	< 0.1
5	35.54.32"	083.53.68"	< 0.1

Installation meets the accuracy requirements of AC 20-138, Part 6.1. (1).

-----  
END



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

Form Approved  
OMB No. 2120-0020  
**For FAA Use Only**  
Office Identification  
*30-FSD-03*

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 <b>Mooney</b>	Model <b>M20F</b>
	Serial No. <b>670368</b>	Nationality and Registration Mark <b>N3275F</b>
2. Owner	Name (As shown on registration certificate) <b>Johnston, Michael G. Thornton, Bill</b>	Address (As shown on registration certificate) <b>124 Columbine Road Kingsport, TN 37660</b>

#### 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	<b>Mooney</b>	<b>IO-360-AIA</b>	<b>L-3621-51A</b>		X
PROPELLER					
APPLIANCE					

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FAA  
55221117

#### 6. Conformity Statement

A. Agency's Name and Address <b>Tri-City Aviation, Inc. Box 5155 Kingsport, TN 37663</b>	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. <b>AP328626686</b>
---	--	--

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 <b>3/5/93</b>	Signature of Authorized Individual <b>Donald Woodward</b> <i>Donald Woodward</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 Ft. 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 <b>3/5/93</b>	Certificate or Designation No. <b>415869827</b>	Signature of Authorized Individual <i>Michael C. Lloyd</i> <b>Michael C. Lloyd</b>
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**NOTICE**

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

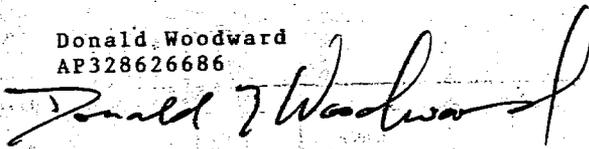
**B. Description of Work Accomplished**  
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. Installed Precise Flight, Inc., Standby Vacuum System III in accordance with airframe STC# SA2168NM and Lycoming STC# SE1779NM.
2. Equipment list and weight & balance amended.

END

3/5/93

Donald Woodward  
AP328626686



RECEIVED  
FAA  
MAR 12 1993  
TN FSDO  
Nashville, Tennessee

Additional Sheets Are Attached

1242-0793 37 JUN 30 '67

37 JUN 26 1967

Form Approved  
Budget Bureau No. 04-R058.2

FEDERAL AVIATION AGENCY APPLICATION FOR AIRWORTHINESS CERTIFICATE (FAR 21)		INSTRUCTIONS: Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use reverse side.	
I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARK N3275F	2. AIRCRAFT MAKE Mooney	3. AIRCRAFT MODEL DESIGNATION M-20F
	4. AIRCRAFT SERIAL NO. 670368	5. ENGINE MAKE Lycoming	6. ENGINE MODEL DESIGNATION IO-360-A1A
	7. NO. OF ENGINES One	8. PROPELLER MAKE Hartzell	9. PROPELLER MODEL DESIGNATION HC-C2YK-1B/7666A-2
		10. YR. AIRC. MANUFACTURED 1967	FAA CODING 5870214 41515
A. APPLICATION IS HEREBY MADE FOR:			
<input checked="" type="checkbox"/> ORIGINAL CERTIFICATE—AIRCRAFT IS <input checked="" type="checkbox"/> NEW <input type="checkbox"/> USED <input type="checkbox"/> IMPORT <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE <input type="checkbox"/> OTHER (Specify)			
B. AIRWORTHINESS CLASSIFICATION (For multiple certification, check appropriate items)			
<input checked="" type="checkbox"/> STANDARD (Indicate category) <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> UTILITY <input type="checkbox"/> AEROBATIC <input type="checkbox"/> TRANSPORT <input type="checkbox"/> LIMITED <input type="checkbox"/> RESTRICTED (Indicate operation(s) to be conducted) <input type="checkbox"/> EXPERIMENTAL (Indicate operation(s) to be conducted) <input type="checkbox"/> PROVISIONAL (Indicate class)			
<input type="checkbox"/> AGRICULTURE & PEST CONTROL <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> FOREST (Wild life conservation) <input type="checkbox"/> PATROLLING <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER (Specify) <input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR BUILT <input type="checkbox"/> EXHIBITION <input type="checkbox"/> RACING <input type="checkbox"/> TO SHOW COMPLIANCE WITH FAR <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> FAA CODING			
A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) IF DEALER CHECK HERE <input checked="" type="checkbox"/> X			
NAME Mooney Aircraft, Inc.		ADDRESS (Number, street, city, State and ZIP code) Box 72; Kerrville, Texas 78028	
B. AIRCRAFT CERTIFICATION BASIS			
<input checked="" type="checkbox"/> AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Rev. No.) 2A3 Rev. 14		<input type="checkbox"/> AIRWORTHINESS DIRECTIVE SUMMARY (Give year and last card No.) 1964 67-15	
<input type="checkbox"/> AIRCRAFT LISTING (Give page No(s.))		<input type="checkbox"/> SUPPLEMENTAL TYPE CERTIFICATE (Give No(s.))	
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS			
<input checked="" type="checkbox"/> AIRCRAFT NEW—NO PREVIOUS HISTORY <input type="checkbox"/> RECORDS MAINTAINED IN COMPLIANCE WITH FAR 91.173			
I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Agency in accordance with section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the classification(s) requested.			
DATE OF APPLICATION 5-26-67	NAME AND TITLE (Print or type) E. B. Hunnicutt (Treasurer)	SIGNATURE <i>E. B. Hunnicutt</i>	
IV. INSPECTION AGENCY VERIFICATION			
IN ACCORDANCE WITH FAR 21.183, THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY:			
<input type="checkbox"/> CERTIFICATED AIR CARRIER (Give Certificate No.)		<input type="checkbox"/> CERTIFICATED MECHANIC (A) (Give Certificate No.)	
<input type="checkbox"/> AIRCRAFT MANUFACTURER (Give name of firm)		<input type="checkbox"/> CERTIFICATED DOMESTIC REPAIR STATION (Give Certificate No.)	
DATE	TITLE	SIGNATURE	
V. AIRWORTHINESS DOCUMENTATION			
<input checked="" type="checkbox"/> A. CURRENT OPERATING LIMITATIONS AVAILABLE IN AIRCRAFT <input type="checkbox"/> B. CURRENT OPERATING LIMITATIONS ATTACHED <input type="checkbox"/> C. CURRENT APPROVED FLIGHT MANUAL AVAILABLE IN AIRCRAFT <input type="checkbox"/> D. DATA, DRAWINGS, PHOTOGRAPHS, ETC. (Attach when required) <input checked="" type="checkbox"/> E. CURRENT WEIGHT & BALANCE INFORMATION AVAILABLE IN AIRCRAFT <input type="checkbox"/> F. MAJOR REPAIR AND ALTERATION, FAA FORM 337 (Attach when req.)		<input checked="" type="checkbox"/> G. THIS INSPECTION RECORDED IN AIRCRAFT RECORDS <input type="checkbox"/> H. STATEMENT OF CONFORMITY, FAA FORM 317 (Attach when required) <input type="checkbox"/> I. PREVIOUS AIRWORTHINESS CERTIFICATE ISSUED IN ACCORDANCE WITH FAR _____ CAR _____ (Orig. attached) <input checked="" type="checkbox"/> J. AIRWORTHINESS CERTIFICATE ISSUED IN ACCORDANCE WITH FAR 21.183 (Copy attached)	
VI. FAA REPRESENTATIVE CERTIFICATION			
<input checked="" type="checkbox"/> A. I have inspected the aircraft described above, find it conforms to its type certificate, and is in condition for safe operation. <input type="checkbox"/> B. I have inspected the aircraft described above, find it is in condition for safe experimental operation. <input type="checkbox"/> C. Current Airworthiness Certificate amended.			
DATE 5-26-67	DESIGNATION NO. Delegation Option PC 201	OFFICE NO. SW-EMDC-43	SIGNATURE Mooney Aircraft, Inc. by: <i>John D. ...</i> SOA SW-1

FAA AIRCRAFT REGISTRY  
CAMERA NO. 4 / DATE: 2-14-84

MICRO

UNITED STATES OF AMERICA — FEDERAL AVIATION AGENCY  
**STANDARD AIRWORTHINESS CERTIFICATE**

1. NATIONALITY AND REGISTRATION MARKS <b>N3275F</b>	2. MANUFACTURER AND MODEL <b>Mooney M-20C</b>	3. AIRCRAFT SERIAL NUMBER <b>7670368</b>	4. CATEGORY <b>Normal</b>
5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. Exceptions: <p style="text-align: center;"><b>None</b></p>			
6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventive maintenance, and alterations are performed in accordance with Parts 23, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE <b>5-26-67</b>	FAA REPRESENTATIVE by: <i>[Signature]</i> <b>DOA SW-1</b>	DESIGNATION NUMBER <b>Delegation                  Option PC 201</b>	

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA AIRCRAFT REGISTRY  
CAMERA NO. 411 DATE: 2-14-84

NO

Faded, illegible text within a rectangular border, possibly a registration form or document header.

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION <b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION <b>GL-GADO-7</b> <small>Columbus, Ohio</small>	
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 <b>Mooney</b>		MODEL <b>M 20F</b>		
	SERIAL NO. <b>670368</b>		NATIONALITY AND REGISTRATION MARK <b>N 3275F</b>		
2. OWNER	NAME (As shown on registration certificate) <b>Richard M. Sauder</b>		ADDRESS (As shown on registration certificate) <b>15829 Bayview Blvd. Grahill, Indiana 46741</b>		
	3. FOR FAA USE ONLY				
4. UNIT IDENTIFICATION					
UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
AIRFRAME	***** (As described in item 1 above) *****			REPAIR	ALTERATION
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY		C. CERTIFICATE NO.	
ElectroSonics Division AiRadio Corporation 4885 Sawyer Road Columbus, Ohio 43219		U.S. CERTIFICATED MECHANIC		Repair Station 1009 Radio Class 1, 2, & 3 Limited Instruments Limited Specialized Services	
		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 <b>March 13, 1979</b>		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Willie A. Krueger</i>			
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION		OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION <b>March 13, 1979</b>		CERTIFICATE OR DESIGNATION NO. <b>1009</b>		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Willie A. Krueger</i>	

**NOTICE**

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

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

1. A DME 190 with antenna was installed.
2. A DME 190 was installed in the instrument panel in accordance with A.C. 43.13-2, Chapter 2 and 11.

All of the above was installed in accordance with A.C. 43.13-2, Chapter 2.

All pertinent details regarding the above information is on file with this agency.

The following antenna was installed in accordance with A.C. 43.13-2, Chapter 3:  
 Bottom Fuselage — 1 ea. DME ant.

Electrical load check completed per A.C. 43.13-2 Chapter 2, paragraph 27 and found to be within limits.

All wires, fuses, circuit breakers, and method of installation was in accordance with A.C. 43.13-1, Chapter 11, Section 2, and 3.

AIRCRAFT MUST BE LOADED IN ACCORDANCE WITH THE PRESCRIBED LOADING INFORMATION FROM MANUFACTURER.

Moment 80888.78 = New E. W. CG 45.8 = New Useful Load 973.7  
 Weight 1766.3

END

Beatty

0-1	0-2	0-3	0-4	0-5	0-6

RECEIVED  
 MAR 16 1979  
 FAA GLC AD 0-7  
 C-1 C-2 C-3 A-1

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

Form Approved  
Budget Bureau No. 04-R060.1  
FOR FAA USE ONLY  
OFFICE IDENTIFICATION  
**SW-GADO**  
2-1-67

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 <b>Mooney</b>	MODEL <b>M20F</b>
	SERIAL NO. <b>670368</b>	NATIONALITY AND REGISTRATION MARK <b>B3275F</b>
2. OWNER	NAME (As shown on registration certificate) <b>Marshall Mooney</b> <b>Wood Paul W. Owner</b>	ADDRESS (As shown on registration certificate) <b>1005 East Grand P.O. Box 280</b> <b>Marshall, Texas 75670</b>

3. FOR FAA USE ONLY

RECEIVED

DEC 24 1969

4. UNIT IDENTIFICATION

5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
<b>L. H. Morrison</b> <b>c/o Modern Aero Sales, Inc.</b> <b>Redbird Airport</b> <b>Dallas, Texas 75232</b>	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	<b>A&amp;P 1123811</b>
	<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 <b>12-19-69</b>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>L.H. Morrison</i>
-------------------------	--

7. APPROVAL FOR RETURN TO SERVICE

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

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION <b>12-19-69</b>	CERTIFICATE OR DESIGNATION NO. <b>A&amp;P 1123811</b>	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>L.H. Morrison</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.

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

The following equipment was installed in this aircraft.  
Narco MK 12A with VOA 8 Indicator.

The Narco MK 12A Panel Unit is mounted in the glove-box on the instrument panel.

The VOA 8 Indicator is mounted in the instrument panel right of the MK 12 A Panel Unit.

The Power Supply is mounted on the radio rack aft. baggage compartment.

The A-15 Antenna is mounted right forward corner of the belly access panel.

This installation meets the applicable requirements of AC 43-13-1 and AC 43-13-2.  
A new Weight & Balance was computed and entered in aircraft log book.

ADDITIONAL SHEETS ARE ATTACHED

1321-1071 37 Dec 26 '67

FEDERAL AVIATION AGENCY <b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION <b>SHV GADO</b>		
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 <b>MOONEY</b>	MODEL <b>M 20 F</b>		NATIONALITY AND REGISTRATION MARK <b>N3298F</b>		
	SERIAL NO. <b>670368</b>					
2. OWNER	NAME (As shown on registration certificate) <b>Marshall Mcneey</b>		ADDRESS (As shown on registration certificate) <b>P. O. Box 250 Marshall, Texas 75670</b>			
3. FOR FAA USE ONLY						
4. UNIT IDENTIFICATION					5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION	
AIRFRAME	***** (As described in item 1 above) *****			<b>XX</b>		
POWERPLANT						
PROPELLER						
APPLIANCE	TYPE					
	MANUFACTURER					
6. CONFORMITY STATEMENT						
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.	
<b>John C. Clark</b> <b>P. O. Box 903</b> <b>Marshall, Texas</b>			<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC		<b>1284637</b>	
			<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 <b>11-22-1967</b>			SIGNATURE OF AUTHORIZED INDIVIDUAL <i>John C. Clark</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 Agency and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED						
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/>	INSPECTION AUTHORIZATION	OTHER (Specify)	
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	Verified by Operator #104	
DATE OF APPROVAL OR REJECTION <b>11-22-67</b>		CERTIFICATE OR DESIGNATION NO. <b>APP 1287832</b>		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Laymon S. Sneed</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.)

Repair to wing tip of Mooney N 3278 P 11-23-1967.

Replace tip rib. Replace wing skin 1st. and 2nd. panels Install .063 2024 T3 Doubler in main spar out board of reinforcing angles with 1 1/2" rivet spacing.

Install Doubler in rear spar at outboard aileron hinge. Material, .063 2024-T3 with 7/8" rivet spacing.

Repair left Aileron. Replace top and bottom skin and main spar with original thickness material and using original counter balance and end ribs

Repairs accomplished in accordance with 18-30-4 (e)(4) and 18-30-4 (e) - (5)

OKLAHOMA  
DEC 21 4 08 PM '67

DEC 21 1967

FAA AIRCRAFT REGISTRY  
 ADDITIONAL SHEETS ARE ATTACHED

MICRO

1245-6764-37 JUN 11 67

FEDERAL AVIATION AGENCY <b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION <b>SAT GAD 2-2-10</b>	
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	Mooney		MODEL	Mark 20F
	SERIAL NO.	670368		NATIONALITY AND REGISTRATION MARK	N3275F
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)	
	Mooney Aircraft Inc.			Kerrville, Texas	
3. FOR FAA USE ONLY					
4. UNIT IDENTIFICATION					
UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
AIRFRAME	***** (As described in item 1 above) *****			REPAIR	ALTERATION
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.
Charlie L. Dugosh c/o Dugosh Aircraft Serv. Co. Inc. Box 931, Kerrville, Texas			<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC		A&P 460254
			<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 6-17-67			SIGNATURE OF AUTHORIZED INDIVIDUAL Charlie L. Dugosh		
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER <input checked="" type="checkbox"/>	INSPECTION AUTHORIZATION	OTHER (Specify)	
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	Verified by Operator #103	
DATE OF APPROVAL OR REJECTION 6-17-67		CERTIFICATE OR DESIGNATION NO. A&P 460254	SIGNATURE OF AUTHORIZED INDIVIDUAL Charlie L. Dugosh		

### NOTICE

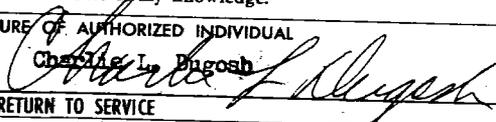
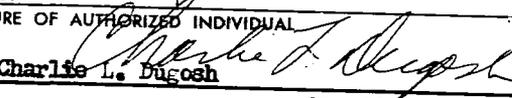
Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

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 Kett Polaris ADF per Mooney dwg. # 810188-501
  - Installed RAM-2 Sw. Kit per Mooney dwg. # 920009
  - Installed Britton NAV-2 Flight control per Mooney dwg # 830028-509
  - Installed Curtins per Mooney dwg. # 950184
  - Installed Hobbs engin hr. meter per Mooney factory instruction sheet
  - Wt. and bal. computed and compass checked.
  - Electrical load does not exceed 80 % of generator capacity which is 50 amps.
  - E.W. 1723 lbs. E.W.C.G. 44.6 aft Useful load 1017 lbs.

---END---

ADDITIONAL SHEETS ARE ATTACHED

1247-1070 37 JUL 11 '67

FEDERAL AVIATION AGENCY <b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION SAT GADO 2-2-10	
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	Mooney		MODEL	Mark 20F
	SERIAL NO.	670368		NATIONALITY AND REGISTRATION MARK	N3275F
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)	
	Mooney Aircraft Inc.			Kerrville, Texas	
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.
Charlie L. Dugosh c/o Dugosh Aircraft Serv. Co. Inc. Box 931, Kerrville, Texas			<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC		A&P 460254
			<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			SIGNATURE OF AUTHORIZED INDIVIDUAL		
6-2-67			 Charlie L. Dugosh		
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/>	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	Verified by Operator #103
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.		SIGNATURE OF AUTHORIZED INDIVIDUAL	
6-2-67		A&P 460254		 Charlie L. Dugosh	

**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 Electric gear kit per Mooney dwg. # 560084  
Wt. and bal. computed and compass checked.  
Electrical load not affected.  
E.W. 1705 lbs. E.W.C.G. 44.7 aft Useful load 1035 lbs.  
---END---

ADDITIONAL SHEETS ARE ATTACHED

