



U.S. Department of
Transportation
Federal Aviation
Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark N201DY	Serial No. 857	
	Make MOONEY	Model M20E	Series
2. Owner	Name (As shown on registration certificate) MICHAELIS ALEXANDER M	Address (As shown on registration certificate) Address 34 FROG POND RD City SANDWICH State NH Zip 03227-3458 Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Executive AutoPilots		☐ U.S. Certified Mechanic	☐ Manufacturer
Address 5839 Freepoint Blvd.		☐ Foreign Certified Mechanic	C. Certificate No.
City Sacramento State CA		☒ Certified Repair Station	E5VR306N
Zip 95822 Country USA		☐ Certified Maintenance Organization	RAD-1, L-RAD, L-INS, L-AF

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Andrey Kalchenko <i>Signature</i> 9/26/22
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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 Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	☒ Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. E5VR306N		Signature/Date of Authorized Individual Andrey Kalchenko <i>Signature</i> 9/26/22		

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.)

N201DY

09/26/2022

Nationality and Registration Mark

Date

Tach: 4927.8

The purpose of this alteration is to install a new GTX 345 Transponder. The GTX345 was installed in accordance with Garmin Installation Manual #190-00734-10 Revision 15, dated June 1, 2021 and as per STC SA01714WI. The STC covers all devices interfaced in this installation. This aircraft is on the Approved Model List.

Removed:

GTX 330 TRANSPONDER	PN:011-0045-00
SSD120 ENCODER	PN:SSD120-30A

Installed:

Garmin GTX 345 Transponder	PN:011-03302-00
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The GTX345 was interfaced with the existing G500 system for HDG/ALT data via ARINC 429, traffic and weather data is supplied to the G500 system via the existing Ethernet connection to the GTN750. The GTX345 was interfaced to the existing GTN750 via RS-232 and Ethernet interface for control and display of data received from the GTX345. Audio alerts are provided to the existing GMA35 audio panel via an unswitched audio port. The GTX345 was coupled to an existing transponder antenna using existing RG-142B/U coax.

Power to the GTX345 is supplied from the avionics bus via a 3 Amp CB labeled "GTX".

An altitude data correspondence check was completed in accordance with FAR 91.413(b). The Transponder was tested per FAR 91.413 and found to comply with FAR 43, Appendix F.

Electrical loading is IAW AC 43.13-2B Chapter 2, page 19, Par. 208; maximum continuous electrical load does not exceed 80% of the capacity of the alternator.

Computed new weight and balance and revised equipment list.

An FAA approved GTX345 Transponder Aircraft Flight Manual Supplement with ADS-B #190-00734-15, Revision 5 dated June 1, 2021, or later revision, was prepared and placed in the aircraft Flight Manual.

The Garmin GTX345 Pilot's Guide #190-01499-00 Rev. G dated December 1, 2021 (or later revision) was placed in the aircraft and must be available to the flight crew whenever navigation is predicated on the use of the system.

In accordance with Garmin Installation Manual, a complete operational test was done and the equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft.

For continued air worthiness inspection, reference Garmin Instructions for Continued Airworthiness #190-00734-11 Revision 8, dated June 1, 2021, or later revision.

-----END-----

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

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

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 <i>N201DX</i>	Serial No. <i>857</i>	
	Make <i>Mooney</i>	Model <i>M20E</i>	Series
2. Owner	Name (As shown on registration certificate) <i>Michaelis Alexander M</i>	Address (As shown on registration certificate) <i>34 Frog Pond Rd</i>	
		City <i>Sandwich</i>	State <i>NH</i>
		Zip <i>03227-3458</i>	Country <i>USA</i>

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <i>Neil Menschewer</i>	Address <i>65 Aviation Way</i> City <i>Gilford</i> State <i>NH</i> Zip <i>03249</i> Country <i>USA</i>	☒ U. S. Certified Mechanic	Manufacturer
		☐ Foreign Certified Mechanic	C. Certificate No.
		☐ Certified Repair Station	<i>2257455</i>
		☐ Certified Maintenance Organization	

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual <i>Neil Menschewer</i> <i>8/16/22</i>
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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 Ftl. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. <i>2257455</i>	Signature/Date of Authorized Individual <i>Neil Menschewer</i> <i>8/16/22</i>
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NOTICE

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

8. Description of Work Accomplished

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

N201DY 8/16/22
Nationality and Registration Mark Date

Install Plane Power Alter motor
conversion in accordance with STC
SA 10682SC. Kit # SA 12-70.
Weight + Balance revised to reflect change.
_____ 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
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §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	Serial No.
	N201DY	857
	Make	Model
	MOONEY	M20E
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)
	NGUYEN STACEY	Address 1206 S HURON DR City SANTA ANA State CA Zip 92704-3017 Country U.S.A.

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	GULF COAST AVIONICS CORP	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address	3650 DRAIN FIELD RD	☐ Foreign Certificated Mechanic	C. Certificate No.
City	LAKELAND State FL	☒ Certificated Repair Station	UB4R564M RADIO CLASS
Zip	33811 Country U.S.A.	☐ Certificated Maintenance Organization	1,2,3 LTD INST / AP

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Brad Miller 12/28/2011
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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 Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee ☒	Repair Station	Inspection Authorization	Other (Specify)	
Certificate or Designation No. UB4R564M		Signature/Date of Authorized Individual Brad Miller 2/24/2012			

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.)

N201DY

12/28/2011

Nationality and Registration Mark

Date

REMOVED GARMIN GNS530 w/GA56 ANTENNA, GMA-340 AUDIO PANEL. INSTALLED GARMIN GTN-750 GPS/NAV/COM, GA35 GPS ANTENNA, GMA35 AUDIO PANEL.

1. INSTALLED THE GARMIN GTN-750 GPS SYSTEM AT FS #17.0 IN THE CENTER RADIO STACK. THE UNIT WAS FOUND TO BE WITHIN THE VIEWING REQUIREMENTS AS OUTLINED IN TSO C146a. INSTALLED THE GA35 GPS ANTENNA S/N 78888 AT FS #94.8. PROVIDED POWER TO THE GPS SYSTEM FROM THE 14VDC AVIONICS BUSS USING 1EA 5 AMP KLIXON 7277-2 BREAKER & 1 10A. MOUNTED ON THE AVIONICS BREAKER PANEL THAT IS ACCESSIBLE TO THE PILOT IN FLIGHT. THE SYSTEM WAS INSTALLED COUPLED TO THE G500 GDU-620 PFD DISPLAY AS #1 NAV/GPS. THE GPS IS COUPLED TO THE EXISTING STEC 55X AUTOPILOT WHEN THE AUTOPILOT IS SET TO "NAV", "APR" OR "GPSS" MODES.

2. INSTALLED THE GARMIN GMA-35 REMOTE AUDIO PANEL AT FS #12.0 IN THE CENTER RADIO STACK (BEHIND GDU-620 DISPLAY). PROVIDED POWER TO THE GPS SYSTEM FROM THE 14VDC AVIONICS BUSS USING 1EA 5 AMP KLIXON 7277-2 BREAKERS MOUNTED ON THE AVIONICS BREAKER PANEL THAT IS ACCESSIBLE TO THE PILOT IN FLIGHT. INTEGRATED SYSTEM TO ALL AIRCRAFT AUDIO COMPONENTS.

4. INSTALLED PRE-APPROVED FMS DATED GARMIN P/N 190-01007-A2 REV 1 FAA APPROVED 3/18/2011 INTO AIRCRAFT APPROVED FLIGHT MANUAL.

5. THE INSTALLATION IS IN COMPLIANCE WITH FAR 23.1301 & 23.1431. PERFORMED ELECTRICAL LOAD ANALYSIS REFERENCE 23.1351.

6. ALL WORK DONE IN REFERENCE TO MANUFACTURERS INSTALL MANUAL NUMBER GTN-6XX/7XX (GMA35) P/N 190-01007-A Rev. 3 3/2011 & STC # SA02019SE-D w/AML DATED 3/18/2011. AC 43-13.1B CHAP 7 SEC 1-7, SEC 9-10, CHAP 10 SEC 2 PAR 10-16, 10-19, 10-20, CHAP 11 SEC 5-17, CHAP 12 SEC 1-4. AC 43-13.2B CHAP 1 (ALL), CHAP 2 PAR 200, 201, 202, 203, 205-210, & CHAP 3 PAR 300 - 310. LOGBOOK ENTRIES COMPLETE, REVISED EQUIPMENT LIST AND WEIGHT AND BALANCE.

"INSTRUCTIONS FOR CONTINUED AIRWORTHINESS"

1. INSTALLED THE GTN-6XX/7XX (GMA35) INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT GARMIN P/N 190-01007-A1 REV 1 INTO THE AIRCRAFT MAINTENANCE RECORDS.

-----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
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §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	Serial No.
	N201DY	857
	Make	Model
	MOONEY	M20E
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)
	NGUYEN STACEY	Address 1206 S HURON DR City SANTA ANA State CA Zip 92704-3017 Country U.S.A.

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	GULF COAST AVIONICS CORP	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address	3650 DRAIN FIELD RD	☐ Foreign Certificated Mechanic	C. Certificate No.
City	LAKELAND State FL	☒ Certificated Repair Station	UB4R564M RADIO CLASS
Zip	33811 Country U.S.A.	☐ Certificated Maintenance Organization	1,2,3 LTD INST / AP

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Brad Miller 12/28/2011
--	--

7. Approval for Return to Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	

Certificate or Designation No. UB4R564M	Signature/Date of Authorized Individual Brad Miller 2/24/2012
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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.)

N201DY

12/28/2011

Nationality and Registration Mark

Date

INSTALLED STEC SYSTEM 55X AUTOPILOT.

INSTALLED THE 6405-8-28L TURN-COORDINATOR IN THE CO-PILOTS INSTRUMENT PANEL AT FS #19.5. INSTALLED THE 55X COMPUTER P/N 01192-0-57TF IN THE RADIO STACK AT FS #18.1. INSTALLED THE ROLL SERVO P/N 0106-R9 AT FS#137.5 IN THE LEFT WING. INSTALLED THE PITCH SERVO P/N 0108-P4 AT FS#171.0 IN THE TAIL SECTION. INSTALLED THE PITCH TRANSDUCER P/N 0111 AT FS# 15.0. THE SYSTEM WAS INSTALLED I.A.W. STEC INSTALLATION MANUAL P/N ST-592 AND STC#SA09011AC-D.

INSTALLED PRE-APPROVED FAA FLIGHT MANUAL SUPPLEMENT P/N 891177 DATED 6/26/95 INTO A/C APPROVED FLIGHT MANUAL.

THE INSTALLATION IS IN COMPLIANCE WITH FAR 23.1301 & 23.1431. PERFORMED ELECTRICAL LOAD ANALYSIS REFERENCE 23.1351.

ALL WORK DONE IN REFERENCE TO MANUFACTURERS INSTRUCTIONS MANUALS: & AC 43-13.1B CHAP 7 SEC 1-7, SEC 9-10, CHAP 10 SEC 2 PAR 10-16, 10-19, 10-20, CHAP 11 SEC 5-17, CHAP 12 SEC 1-4. AC 43-13.2B CHAP 1 ALL, CHAP 2 PAR 200- 210, CHAP 11. LOGBOOK ENTRIES COMPLETE, REVISED EQUIPMENT LIST AND WEIGHT AND BALANCE.

"INSTRUCTIONS FOR CONTINUED AIRWORTHINESS"

INSTALLED STEC INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENTS STEC P/N 81530 INTO AIRCRAFT MAINTENANCE RECORDS.

-----END-----

☐ Additional Sheets Are Attached



US Department
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Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §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	Serial No.
	N201DY Make MOONEY	857 Model M20E
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)
	NGUYEN STACEY	Address 1206 S HURON DR City SANTA ANA State CA Zip 92704-3017 Country U.S.A.

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	GULF COAST AVIONICS CORP	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address	3650 DRAIN FIELD RD	☐ Foreign Certificated Mechanic	C. Certificate No.
City	LAKELAND State FL	☒ Certificated Repair Station	UB4R564M RADIO CLASS
Zip	33811 Country U.S.A.	☐ Certificated Maintenance Organization	1,2,3 LTD INST / AP

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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Brad Miller 12/28/2011
--	---

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	Inspection Authorization	Other (Specify)	
Certificate or Designation No. UB4R564M		Signature/Date of Authorized Individual Brad Miller 2/24/2012			

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.)

N201DY

12/28/2011

Nationality and Registration Mark

Date

REMOVED PILOTS VSI, TURN & SLIP, VACUUM D/G. INSTALLED GARMIN G500 PFD / MFD SYSTEM.

FABRICATED NEW PILOTS INSTRUMENT PANEL FROM 2024T3-063 AND INSTALLED THE GDU-620 PFD DISPLAY AT FS #20.0. RELOCATED THE EXISTING VACUUM HORIZON, ALTIMETER, AND AIRSPEED FOR STANDBY INSTRUMENTS. (REFERENCE GCA DRAWING N201DY-CAD)(WHICH MEETS THE VIEWING REQUIREMENTS OF 23.1311 & 23.1321 (a)) AND PER GARMIN INSTALLATION MANUAL. THE FLIGHT PORTION OF THE GDU-620 ELECTRONIC FLIGHT DISPLAY IS IN SAME POSITION THE HORIZON & D/G WERE REMOVED. THE SYSTEM IS POWERED FROM THE MAIN BUSS THROUGH A KLIXON 7277-2-5AMP BREAKER, ACCESSABLE TO THE PILOT IN FLIGHT.

INSTALLED THE GRS-77 AHRS IN THE REAR AVIONICS BAY AT FS #117.0 ON EXISTING SHELF USING SUPPLIED UNIVERSAL MOUNTING KT P/N 011-01780-00 AND MOUNTING RACK P/N 115-00459-00. INTEGRATED SYSTEM TO GMU 44 MAGNETOMETER INSTALLED IN TAIL AT FS #125.0, USING SUPPLIED UNIVERSAL BRACKET P/N 011-01779-01. SYSTEM IS POWERED BY THE MAIN BUSS THROUGH A KLIXON 7277-2-5AMP BREAKER, ACCESSABLE TO THE PILOT IN FLIGHT.

INSTALLED THE GDC-74A ADC IN THE REAR AVIONICS BAY AT FS #117.0 ON EXISTING SHELF, USING SUPPLIED MOUNTING RACK P/N 011-01011-00. SYSTEM CONNECTED TO EXISTING PITOT, STATIC. INSTALLED GTP-59 OAT PROBE ON BOTTOM OF FUSELAGE AT FS #117.0. THE SYSTEM IS POWERED FROM THE MAIN BUSS THROUGH A KLIXON 7277-2-5AMP BREAKER, ACCESSABLE TO THE PILOT IN FLIGHT.

THE G500 IS INTERFACED TO THE FOLLOWING EQUIPMENT:

1. GTN-750 #1 NAV / GPS SYSTEM.
2. SL-30 #2 NAV / COM.
3. STEC SYSTEM 55X AUTOPILOT SYSTEM.
4. GARMIN GTX-330 TIS TRAFFIC.

INSTALLED PRE-APPROVED FMS GARMIN P/N 190-01102-01 REV 7 FAA APPROVED 2/23/2011 INTO AIRCRAFT APPROVED FLIGHT MANUAL.

THE INSTALLATION IS IN COMPLIANCE WITH FAR 23.1301, 23.1309, , 23.1311, 23.1321 (a), 23.1431, AND ELECTRICAL LOAD ANALYSIS REFERENCE 23.1351.

PERFORMED GROUND AND FLIGHT SYSTEM CHECKS PER SECTION 5 OF THE INSTALL MANUAL. ALL WORK DONE IN REFERENCE TO MANUFACTURERS INSTRUCTIONS MANUALS NUMBER GARMIN G500 P/N 190-01102-06 Rev. 6 8/20011, AND IN ACCORDANCE WITH STC# SA02015SDE-D, AML DATED FEB 2011. AC 43-13.1B CHAP 7 SEC 1-7, SEC 9-10, CHAP 10 SEC 2 PAR 10-16, 10-19, 10-20, CHAP 11 SEC 5-17, CHAP 12 SEC 1-4. AC 43-13.2B CHAP 1 (ALL), CHAP 2 PAR 200, 201, 202, 203, 205-210, & CHAP 11. LOGBOOK ENTRIES COMPLETE, REVISED EQUIPMENT LIST AND WEIGHT AND BALANCE.

"INSTRUCTIONS FOR CONTINUED AIRWORTHINESS"

1. INSTALLED THE GARMIN G500 INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT P/N 190-01102-01 REV1A INTO THE AIRCRAFT MAINTENANCE RECORDS, WITH G500 CONFIGURATION AND CHECK OUT FORM.

-----END-----

☐ Additional Sheets Are Attached



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

Form Approved
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Electronic Tracking Number

For FAA Use Only

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1. Aircraft	Nationality and Registration Mark	N201DY	Serial No.	857		
	Make	MOONEY	Model	M20E	Series	SUPER 21
2. Owner	Name (As shown on registration certificate)	STACEY NGUYEN	Address (As shown on registration certificate)			
			Address	1206 S HURON DR		
			City	SANTA ANA	State	CA
			Zip	92704-3017	Country	UNITED STATES

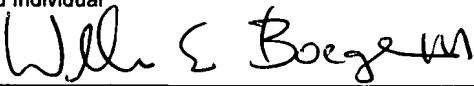
3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	WILLIAM E BOEGE III	☒ U. S. Certified Mechanic	☐ Manufacturer
Address	1225 N LAKE OTIS DR SE	☐ Foreign Certified Mechanic	C. Certificate No.
City	WINTER HAVEN State FL	☐ Certified Repair Station	3115874
Zip	33880 Country UNITED STATES	☐ Certified Maintenance Organization	

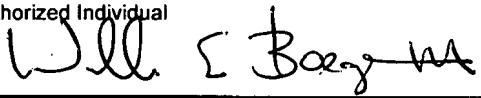
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual  10/24/2011
--	--

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	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. 3115874	Signature/Date of Authorized Individual  10/24/2011
--	--

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.)

N201DY

10/24/2011

Nationality and Registration Mark

Date

REPAIRED REAR CENTER SPAR IN ACCORDANCE WITH MOONEY SERVICE BULLETIN
NO. M20-217 PAGE 2 STEPS 1-10

INSTALLED THE FOLLOWING MOONEY SUPPLIED PARTS:

PN 020-217-1 DOUBLER

020-217-3 ANGLE

020-217-5 SPACER

020-217-7 SPACER

AN3-5A BOLTS

AN3-13A BOLTS

MS 21045L3 NUTS

AN960-10 WASHERS

REPAIR WAS PERFORMED IN ACCORDANCE WITH MOONEY DRAWING 217-1 AND 217-2
and AC43.13-1b FIGURE 4-22, 4-21, AND PARAGRAPH 4-59.

THIS REPAIR PERMITS THE DISCONTINUANCE OF SB M20-217 INSPECTION

-----END-----

☐ Additional Sheets Are Attached

1. The first part of the document is a letter from the author to the editor, dated 1968. It discusses the author's interest in the topic of the book and the reasons for writing it. The author mentions that he has been working on this topic for some time and that he has found it to be a very interesting and important one. He also mentions that he has been reading a lot of books on the subject and that he has found that there is a need for a book like this one. He concludes the letter by saying that he hopes the book will be helpful to the reader.

2. The second part of the document is a preface to the book. It discusses the author's approach to the subject and the reasons for writing the book. The author mentions that he has been working on this topic for some time and that he has found it to be a very interesting and important one. He also mentions that he has been reading a lot of books on the subject and that he has found that there is a need for a book like this one. He concludes the preface by saying that he hopes the book will be helpful to the reader.

3. The third part of the document is the main body of the book. It is divided into several chapters, each of which discusses a different aspect of the subject. The chapters are: Chapter 1: The History of the Subject; Chapter 2: The Theory of the Subject; Chapter 3: The Practice of the Subject; Chapter 4: The Future of the Subject. Each chapter is written in a clear and concise style, and it is filled with interesting facts and figures. The author also includes a number of diagrams and illustrations to help the reader understand the concepts being discussed.

4. The fourth part of the document is the conclusion of the book. It summarizes the main points of the book and discusses the author's final thoughts on the subject. The author mentions that he has found the subject to be a very interesting and important one, and that he hopes the book will be helpful to the reader. He concludes the book by saying that he hopes the reader will find it to be a useful and interesting read.



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §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	N201DY	Serial No.	857		
	Make	MOONEY	Model	M20E	Series	SUPER 21
2. Owner	Name (As shown on registration certificate)	STACEY NGUYEN	Address (As shown on registration certificate)			
			Address	1206 S HURON DR		
			City	SANTA ANA	State	CA
			Zip	92704-3017	Country	UNITED STATES

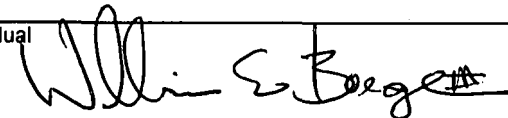
3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	WILLIAM E BOEGE III	☒ U. S. Certificated Mechanic	☐ Manufacturer
Address	1225 N LAKE OTIS DR SE	☐ Foreign Certificated Mechanic	C. Certificate No.
City	WINTER HAVEN	☐ Certificated Repair Station	3115874
State	FL	☐ Certificated Maintenance Organization	
Zip	33880	Country	UNITED STATES

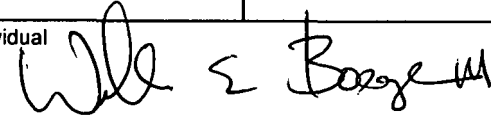
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

Extended range fuel per 14 CFR Part 43 App. B	☐	Signature/Date of Authorized Individual	 10/24/2011
---	--------------------------	---	--

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	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No.	3115874	Signature/Date of Authorized Individual	 10/24/2011
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[illegible][illegible]

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.)

N201DY

10/24/2011

Nationality and Registration Mark

Date

INSTALLED POWER FLOW SYSTEMS PERFORMANCE EXHAUST PFS-16201(-GEN2)
UNDER STC# SA02871AT. THIS STC WAS INSTALLED IN ACCORDANCE WITH
POWER FLOW SYSTEMS, INC PFS-16201(-GEN2) INSTALLATION
INSTRUCTIONS REV (F). INSTALLED POWERFLOW PLACARD IN FULL VIEW OF PILOT.
CONTINUED AIRWORTHINIESS REQUIRES AN INSPECTION AT 100 HOUR OR ANNUAL, PER THE
MANUFACTURES INSTALLATION MANUAL SEC 6.6 AND FAR 43.16 AND 91.403
WEIGHT AND BALANCE AMENDED THIS DATE.

-----END-----

☐ Additional Sheets Are Attached

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS N201DY	2. MANUFACTURER AND MODEL Mooney M20F	3. AIRCRAFT SERIAL NUMBER 857	4. CATEGORY Normal
---	---	--	------------------------------

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate and the aircraft is registered in the United States.

DATE OF ISSUANCE (R) 10-13-1965	FAA REPRESENTATIVE Joseph P. Hanfey	DESIGNATION NUMBER NM-DEN-FSDO
---	---	--

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.

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N263DB	Mooney M20E	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-10/13/1965	D. L. [Signature]	SJC FSDO WP-15

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

 US Department of Transportation Federal Aviation Administration				Form Approved OMB No. 2120-0020	
				For FAA Use Only	
				Office Identification SAC. FSDO	
MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)					
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 M20E		
	Serial No. 857		Nationality and Registration Mark N263DB		
2. Owner	Name (As shown on registration certificate) BURTON DAVID		Address (As shown on registration certificate) 7120 RED HILL RD VAIL AZ 85641-6215		
	3. For FAA Use Only				
4. Unit Identification					
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.	
LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS ROAD LAKEPORT, CA 95453		☐ U.S. Certificated Mechanic		NT3R722L, L-AF, L-PP, L-PRP, L-SS	
		☐ Foreign Certificated Mechanic			
		☒ 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 9/09/05		Signature of Authorized Individual ROBERT G. BROWN 			
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 Ftl. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 9/09/05		Certificate or Designation No. NT3R722L	Signature of Authorized Individual ROBERT G. BROWN 		

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.)

ALTERATION BY INSTALLATION OF AN AIRWOLF REMOTE OIL FILTER UNDER
STC # SA0002NY. INSTALLED KIT P/N AFC-K007-F AND HOSES P/N 111417-8-
0220 & 111504-8D-0220 IAW INSTALLATION INSTRUCTIONS NO. AFC-K007-A-II
PROVIDED BY AIRWOLF DATED 06/08/93 REVISED 01/08/00 AND AC43.13-1B
PAR 9-30.

OPERATIONAL AND LEAK CHECKS WERE NORMAL.

WEIGHT & BALANCE AND EQUIPMENT LIST WERE AMENDED.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ARE IN ACCORDANCE WITH
AIRWOLF ICA INCLUDED IN STC # SA0002NY AND FAR 43 APPENDIX D. A COPY
OF THE AIRWOLF ICA WERE INSERTED INTO THE AIRCRAFT RECORDS.

-----END-----

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SAC. FSDO

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

1. Aircraft	Make Mooney	Model M20E
	Serial No. 857	Nationality and Registration Mark N263DB
2. Owner	Name (As shown on registration certificate) David Burton	Address (As shown on registration certificate) 7120 S. Red Hill Rd. Vail, AZ. 85641

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 Lake Aero Styling and Repair 4725 Highland Springs Rd. Lakeport, CA. 95453	B. Kind of Agency ☐ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☒ Certified Repair Station ☐ Manufacturer	C. Certificate No. NT3R722L
---	---	---------------------------------------

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

Date 11-02-04	Signature of Authorized Individual <i>Paul E. Loewe</i>
-------------------------	--

7. Approval for Return To Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 11-02-04		Certificate or Designation No. NT3R722L	Signature of Authorized Individual <i>Paul E. Loewe</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 "201 Style Cowling Upgrade" assembly with OEM approved

☐ parts and standard hardware as listed.

☐ Installed in accordance with STC SA00946AT and instructions provided per Mod Works document MW 2036, Rev. IR

☐

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS "ICA"
At ANNUAL intervals:

1. ☐ Fiberglass check for delaminating, separation and/or exposed fibers.
2. ☐ Utilize Mooney Service Manual for instructions in determining condition when replacement is due.

All items of FAR 43 Appendix D, are applicable.

NOTHING FOLLOWS _____

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

SAC, FSDO

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

1. Aircraft	Make Mooney	Model M20E
	Serial No. 857	Nationality and Registration Mark N263DB
2. Owner	Name (As shown on registration certificate) David Burton	Address (As shown on registration certificate) 7120 S. Red Hill Rd. Vail, AZ. 85641

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 Lake Aero Styling and Repair 4725 Highland Springs Rd. Lakeport, CA. 95453	B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certificated Repair Station ☐ Manufacturer	C. Certificate No. NT3R722L
---	--	---------------------------------------

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

Date 11-02-04	Signature of Authorized Individual <i>Paul E. Loewe</i>
-------------------------	--

7. Approval for Return To Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 11-02-04		Certificate or Designation No. NT3R722L	Signature of Authorized Individual <i>Paul E. Loewe</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 "201 Style Windshield Retrofit" assembly with PMA approved

☐ parts and standard hardware as listed.

☐ Installed in accordance with STC SA3263NM and instructions provided on Lake Aero Repair Report No. 119.

Styling and

☐

PARTS LIST

Part Number ☐☐☐☐ Nomenclature ☐☐☐☐

☐☐☐☐☐ ☐☐☐☐

☐ 561.250 ☐☐☐☐ Windshield LP Aero Plastics ☐☐☐

☐ 310310-003 ☐☐☐☐ Cowl Deck ☐☐☐ ☐

☐ 310315-001 ☐☐☐☐ Retainer ☐☐☐ ☐ ☐

☐ 640284-503 OR L119-640284 ☐☐ Diffusers ☐☐☐ ☐

☐ MS24693-51 ☐☐☐☐ Screw ☐☐☐☐

☐ AN365-832 ☐☐☐☐ Nuts ☐☐☐☐

☐ AN960-8 ☐☐☐☐ Washers ☐☐☐☐

☐ L119-850109-024 ☐☐☐ Hydraulic Fittings Assembly ☐☐☐☐

☐ L119-310027-11 ☐☐☐ Antenna Mounting Bracket ☐☐☐ ☐

☐ CR3242-4-2 ☐☐☐☐ Cherry Max Rivets ☐☐☐☐

☐ CR3242-4-3 ☐☐☐☐ Cherry Max Rivets ☐☐☐☐

☐ CR3242-4-4 ☐☐☐☐ Cherry Max Rivets ☐☐☐☐

AN426AD4-4 ☐☐☐☐ Solid Rivets ☐☐☐☐

☐ PRC 654-B2 ☐☐☐☐ Sealant, SEM Kit ☐☐☐☐

☐ 912007-505 ☐☐☐☐ CAT 5 Hose ☐☐☐☐

☐ L150080-501 ☐☐☐☐ Compass Correction Card ☐☐☐☐

☐ LCCC ☐☐☐☐ Correction Card Holder ☐☐☐☐

☐ MS24693-BB29 ☐☐☐☐ Screws ☐☐☐☐

☐ AN365-632 ☐☐☐☐ Nuts ☐☐☐☐

☐ MS35206-328 ☐☐☐☐ Screws ☐☐☐☐

☐ MS24679-411 ☐☐☐☐ Nuts ☐☐☐☐

☐ LASAR ☐☐☐☐ Glare Shield ☐☐☐☐

☐ LASAR ☐☐☐☐ Inner Windshield Molding ☐☐☐☐

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS "ICA"

At ANNUAL intervals:

Mooney Aircraft M20 Series; STC SA4443, 3263, 4202, 3252, 4535NM, LASAR Kits 104, 107, 108, 119, 120, 129, 131 Windshields and fiberglass).

1. ☐ Check for security of all fasteners, replace as required. Caution on torque of screws.

2. ☐ Check for general condition, cracks, mounting, corrosion. Replace windshields when cracked, crazed, sealant deterioration.

3. ☐ Fiberglass check for delaminating, separation and/or exposed fibers.

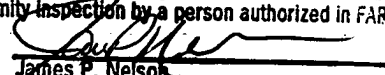
4. ☐ Utilize Mooney Service Manual for instructions in determining condition when replacement is due.

5. ☐ Contact Lake Aero Styling for repair instructions, when needed.

All items of FAR 43 Appendix D, are applicable. ICA updates will be posted at www.lasar.com

NOTHING FOLLOWS _____

☐ Additional Sheets Are Attached

 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020 For FAA Use Only	
US Department of Transportation Federal Aviation Administration				Office Identification 	
INSTRUCTIONS: Print or type all entries. See FAR 43.9 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	M20E
	Serial No.	857		Nationality and Registration Mark	N263DB
2. Owner	Name (As shown on registration certificate)			Address (As shown on registration certificate)	
	BURTON DAVID			7120 S RED HILL RD VAIL AZ 85641-6215	
3. For FAA Use Only					
The data/operation identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7 JAN 28 2004 Date  James P. Nelson Principal Avionics Inspector WP-FSDO-25					
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.
LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775					NT3R722L L-PP, L-SS L-AF, L-PRP
			U.S. Certified Mechanic		
			Foreign Certified Mechanic		
			X Certified 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		
02/05/04			ROBERT G BROWN 		
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	Other (Specify)		
	FAA Designee	X Repair Station			
		Person Approved by Transport Canada Airworthiness Group			
Date of Approval or Rejection		Certificate or Designation No.		Signature of Authorized Individual	
02/05/04		NT3R722L		ROBERT G BROWN 	

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 accomplished.)

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

- B. Description of Work Accomplished**
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)
- A. The following equipment was removed:
- Narco AT-50 TSO Transponder
 - King KX-170 NAV/COM
 - King KI-214 Nav Ind
 - Garmin GNS 430 GPS
- B. The following equipment was installed (and circuit protection):
- Garmin GNS 530 GPS/Comm/Nav/ILS, TSO-C129a, Class A1, (5/5/2 Amp CB)
 - Garmin GTX 330 Transponder (with Mode S) TSO-C112 Class 2A (5 Amp CB)
 - Garmin GMA 340 Audio/Intercom/Mkr, TSO-C50c/35d (5 Amp CB)
 - Garminat SL-30 NAV/COM, TSO-C34e/36e/40c/66c, (2/5 Amp CB)
- C. This installation is composed of a Garmin GNS 530 GPS/Comm/Nav/ILS system and an MD200-306 CDI indicator components. The Garmin 530 is installed in the factory avionics stack in the center instrument panel. The MD200-306 is installed in the RH upper side of the Pilots instrument panel, and the existing GA-56 antenna is mounted on the fuselage top at F.S. 103.5. All antennas are mounted using 2024T3-0.400 doublers, and standard MS hardware. An existing encoder TCI-120 is interfaced to the Garmin GTX-330 transponder, then to the GNS 530 for altitude data. Also, the existing GMA 340 (installed in the avionics stack) is interfaced for audio data. All Nav/Comm antennas used were original factory installed. An existing Britain NAV-2 autopilot was interfaced to the GNS 530. A Apollo SL-30 NAV/COM was installed in the center avionics bay, for secondary usage.
- D. The installation was performed in accordance with the following documents:
- Garmin GNS 530 Installation Instructions Manual No. 190-00181-02, Rev. G, 5/03
 - Garmin GTX 330 Installation Instructions Manual No. 190-00207-02, Rev. A, 11/02
 - Garminat SL-30 Installation Instructions Manual No. 560-0404-01, 2/02
 - FAA Advisory Circular AC 20-138, Airworthiness Approval of GPS for VFR and IFR.
 - FAA Advisory Circular AC 43.13-1B, Ch 7, Sec 1.1; Ch 10 Sec 1.2; Ch 11, Sec 1.3,4,8
 - FAA Advisory Circular AC 43.13-2A, Ch 2, Sec 3, para 36 & 44
- E. An electrical load analysis was performed and found that the continuous load of the alternator did not exceed 80% of capacity.
- F. A complete operational test was done and the equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft. A correspondence test was accomplished IAW FAR 91.411 and 91.413 - Satisfactory. The system was tested for EMI & RFI by ground and flight test.
- G. The aircraft weight and balance data and the equipment list were amended to reflect these changes and were placed in the aircraft records.
- H. This GPS unit meets the certification requirement of TSO-C129a(A1), and is limited to IFR for enroute, terminal and non-precision approaches. The Garmin model GPS 530 system is a "follow-on installation" and has been previously approved in Garmin's M20J aircraft under STC SA00735WI. A FAA approved AFM Supplement for the GNS 530 GPS, dated JAN 28 2004, and a FAA approved AFM Supplement for the GTX 330 Transponder, dated JAN 28 2004, was prepared and placed in the aircraft AFM/POH.
- I. This GPS and Transponder installation is not to be used for navigation until a functional flight evaluation has been successfully accomplished to verify equipment accuracy.
- J. Instructions for continued airworthiness requires a visual inspection and operational check, annually, in accordance with the manufacturer's instructions and FAR 43 Appendix D.

- END -

ACCURACY TEST ACCOMPLISHED ON 02-05-04, BY ROBERT KING, FOR LAKE AERO STYLING & REPAIR,
IN ACCORDANCE WITH ACCURACY DATA SHEET DATED 02-05-04 IS-100-10-100

05-02-5004

GPS & LORAN-C FLIGHT TEST DATA - WORK SHEET

Legend: / = Pass, X = Fail, N/A = Not Applicable.

- A. / Evaluate all operating modes of the equipment.
- B. / Examine interface of other equipment.
- C. / Review failure modes and associated annunciations.
- D. / Evaluate steering response with autopilot coupled.
- E. / Evaluate instrument interface with HSI, CDI, etc..
- F. / Assess all switching and transfer functions including high power electrical loads and electrical bus switching.
- G. / Evaluate EMI & RFI on VHF frequencies 121.150, 121.175, 121.200, 131.250, 131.275 and 131.300 MHz (modulated and unmodulated for 20 second transmissions).
- H. / Evaluate accessibility of equipment controls.
- I. / Evaluation of visibility of displays and annunciators.
- J. / Analysis of crew workload.
- K. / Accuracy should be verified by conducting at least 5 (five) low-level overflights of known landmarks.

WPT	Lat. / Lon.	Measured Lat. / Lon.	Cosine
SGD	N38°10.76'/W122°22.39'	N38°10.84'/W122°22.35'	.7861
O69	N38°15.47'/W122°36.33'	N38°15.35'/W122°36.04'	.7852
STS	N38°30.49'/W122°48.64'	N38°30.49'/W122°48.69'	.7825
UKI	N39°07.56'/W123°12.05'	N39°07.64'/W123°11.92'	.7756
ENI	N39°03.19'/W123°16.45'	N39°03.15'/W123°16.50'	.7766

Accuracy (FTE nmi)	GPS/ Multi-Sen.	Loran-C
En route, on airways:	2.0	3.0
Terminal	1.0	2.0
Approach:	0.25	0.6

NOTE

1 min of Lat. = 1 nmi.
1 min. of Lon. = 1 nmi. x cosine of angle of Lat.
e.g. 1 min. of Lon. @ 28 degrees Lat. =
1 x .8829 = .8829 nm.

- L. / Verify continuity of navigation data during normal aircraft maneuvers including 30 degree bank turns for one minute.
- M. / A Loran receiver should demonstrate the ability to properly acquire at least 5 in flight and 5 ground acquisitions.
- N. / For equipment approved for approach, conduct at least 3 (three) published instrument approaches (retrieved from the data base) to verify proper operation.
GPS-29 O69 Approach, GPS-B UKT Approach, Vor-A UKT Approach.

Equipment Mfg. Garmin Model GNS 530 Serial No. 78410082

Aircraft N263DB, Make Mooney, Model M20E, has completed a flight test in accordance with the applicable requirements:

GPS: AC 20-138, paragraph 8c (2) (iv).

GPS Multi Sensor: N8110.48, paragraph 9a (4).

Loran-C: AC 20-121A, paragraph 10a (3) (i) and paragraph 10b.(6)

Signature Robert King Certificate No. 474711CFII Date 02-05-2004

The first part of the report
 describes the general situation
 and the results of the
 investigation.

The second part of the report
 describes the results of the
 investigation.



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
SAC. FSDO

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

1. Aircraft	Make MOONEY	Model M20E
	Serial No. 857	Nationality and Registration Mark N263DB
2. Owner	Name (As shown on registration certificate) BURTON DAVID BURTON HELEN	Address (As shown on registration certificate) 7120 S RED HILL RD VAIL, AZ 85641-6215

3. For FAA Use Only

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4. Unit Identification

5. Type

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

6. Conformity Statement

A. Agency's Name and Address LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT, CA 95453-9775	B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certified Repair Station ☐ Manufacturer	C. Certificate No. NT3R722L , L-AF , L-PRP , L-SS , L-PP
---	---	--

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 SEP 17, 2003	Signature of Authorized Individual ROBERT G BROWN
----------------------	--

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)
	X FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection SEP 17, 2003		Certificate or Designation No. NT3R722L	Signature of Authorized Individual ROBERT G BROWN	

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.)

INSTALLATION OF M-20 TURBOS, INC AIR/OIL SEPARATOR MODEL 300 IAW
INSTALLATION INSTRUCTIONS DRAWING NO. 303, REV. B AND DRAWING NO.
304 AND M-20 TURBOS INC STC SA02033AT. THE SEPARATOR IS MOUNTED ON
THE L/H SIDE OF FIREWALL AT F.S. 4.0 EQUIPMENT LIST AND WEIGHT &
BALANCE AMENDED

-----END-----

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SAC. FSDO

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

1. Aircraft	Make MOONEY	Model M20E
	Serial No. 857	Nationality and Registration Mark N263DB
2. Owner	Name (As shown on registration certificate) BURTON DAVID BURTON HELEN	Address (As shown on registration certificate) 7120 S RED HILL RD VAIL, AZ 85641-6215

3. For FAA Use Only

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4. Unit Identification

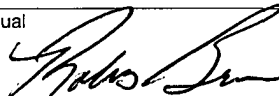
5. Type

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

6. Conformity Statement

A. Agency's Name and Address LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT, CA 95453-9775	B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certificated Repair Station ☐ Manufacturer	C. Certificate No. NT3R722L , L-AF , L-PRP , L-SS , L-PP
---	--	--

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 SEP 17, 2003	Signature of Authorized Individual ROBERT G BROWN 
----------------------	---

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)
	X FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection SEP 17, 2003		Certificate or Designation No. NT3R722L	Signature of Authorized Individual ROBERT G BROWN 	

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

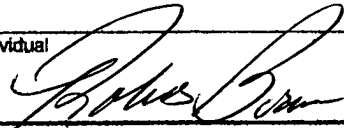
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

INSTALLED ALTERNATOR IN ACCORDANCE WITH SUPPLEMENTAL TYPE
CERTIFICATE No. SA334SW, KIT # SE AND DRWG # A-181. REPLACED 50 AMP
CIRCUIT BREAKER WITH 60 AMP CIRCUIT BREAKER P/N 295-29694, WIRING
CHECKED FOR SIZE AND IS IAW AC 43.13-1B par 11-66. WEIGHT & BALANCE
AND EQUIPMENT LIST AMENDED.

-----END-----

☐ Additional Sheets Are Attached

FAA

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020	
				For FAA Use Only	
				Office Identification SAC. FSDO	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft	Make MOONEY		Model M20E		
	Serial No. 857		Nationality and Registration Mark N263DB		
2. Owner	Name (As shown on registration certificate) BURTON DAVID OO-OW		Address (As shown on registration certificate) 7120 S RED HILL RD VAIL AZ 85641-6215		
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.	
LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775				NT3R722L , L-AF, L-PRP, L-SS, L-PP	
		U.S. Certificated Mechanic			
		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 08 AUG 2003		Signature of Authorized Individual ROBERT G BROWN 			
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization		Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 08 AUG 2003		Certificate or Designation No. NT3R722L		Signature of Authorized Individual ROBERT G BROWN 	

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.

NOTICE

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

INSTALLATION OF REPLACEMENT TACHMETER SYSTEM BY HORIZON INSTRUMENT INC., PART NUMBER P100030-405-00 UNDER STC S45844NM. THIS ELECTRIC TACH SYSTEM REPLACES A MECHANICAL TACH SYSTEM. WEIGHT CHANGE NEGLIGIBLE. SYSTEM WAS INSTALLED IAW HORIZON INSTRUMENT P-1000 INSTALLATION & INSTRUCTION MANUAL P/N P103050 REV. D., AND AC43.13-1B CHAP 11, SEC 1, 3, 4, 5, 7, 8, 9 WAS USED, AS APPROPRIATE. A AFM SUPPLEMENT P/N P114030, REV. A, WAS INSTALLED IN THE AIRCRAFT AFM/POH. THE SYSTEM IS PROTECTED BY A 1 AMP CIRCUIT BREAKER AND LABELED. THE SYSTEM WAS GROUND & FLIGHT CHECKED SATISFACTORY.

THIS INSTALLATION ALSO COMPLIES WITH AD 02-09-08.

CONTINUED AIRWORTHINESS REQUIRES A INSPECTION AND OPERATIONAL CHECK, ANNUALLY, PER THE MANUFACTURER'S INSTALLATION MANUAL AND FAR 43 APPENDIX D.

Additional Sheets Are Attached

FAA

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020		
				For FAA Use Only		
				Office Identification SAC. FSDO		
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).						
1. Aircraft		Make MOONEY		Model M20E		
		Serial No. 857		Nationality and Registration Mark N263DB		
2. Owner		Name (As shown on registration certificate) BURTON DAVID		Address (As shown on registration certificate) 7120 S RED HILL RD VAIL AZ 85641-6215		
		GO-OW				
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 LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775		B. Kind of Agency		C. Certificate No. NT3R722L , L-AF, L-FRP, L-SS, L-PP		
		U.S. Certificated Mechanic				
		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 08 AUG 2003			Signature of Authorized Individual ROBERT G BROWN			
7. Approval for Return To Service						
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED						
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization		Other (Specify)	
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group			
Date of Approval or Rejection 08 AUG 2003		Certificate or Designation No. NT3R722L	Signature of Authorized Individual ROBERT G BROWN			

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.)

ALTERATION BY THE INSTALLATION OF A SUPPLEMENTAL EDM-700DX SCANNER. INSTALLATION WAS ACCOMPLISHED IAW JPI INSTALL MANUAL #103, REV. C, AND STC SA2586NM. THE JPI CHT/OIL TEMP/OAT/EGT/VOLTAGE-701 INDICATOR IS TSO-C43b CERTIFIED. INDICATOR IS INSTALLED IN THE RIGHT SIDE OF THE PILOT'S INSTRUMENT PANEL. INSTALLATION WAS ALSO IAW MOONEY DRAWING 950209. CONNECTIONS ARE AS FOLLOWS:

1. CHT= 1 ea BAYONET PROBE P/N 5050 INSTALLED ON #3 CYL
- 3 ea GASKET THERMOCOUPLE PROBE P/N M-113 INSTALLED ON #1,2,4 CYL.
2. OIL = 1 ea OIL PROBE P/N 400505-L INSTALLED IN THE RIGHT FRONT OIL GALLEY BY REMOVING THE 1/8 NPT PLUG AND INSERTING THE PROBE
3. OAT= 1 ea PROBE P/N 400509 IS INSTALLED ON THE LOWER LH WING SURFACE
4. FUEL FLOW= NOT UTILIZED
5. WIRING HARNESS= 1 ea INSTALLED IAW INSTALL MANUALS.
6. EGT= 4 ea EGT PROBE P/N M-111 INSTALLED IN THE EXHAUST SYSTEM.

THE SYSTEM IS PROTECTED BY A 2 AMP CIRCUIT BREAKER. ELECTRICAL LOADS ARE WITHIN 80% LOAD LIMITS. THE SYSTEM WAS GROUND AND FLIGHT CHECKED-SATIS.

INSTALLATION ALSO USED THE DIRECTED (BY JPI) PARTS OF AC 43-13-1B/2A

A FAA APVD AFM SUPPLEMENT #1, REV. B, DATED 11-12-92, WAS INSERTED IN THE AIRCRAFT POH/AFM. 2 EA REQUIRED PLACARDS INSTALLED PER MANUAL #103. JPI PILOTS GUIDE, REV. R, ATTACHED TO POH/AFM.

CONTINUED AIRWORTHINESS REQUIRES AN OPERATIONAL CHECK ANNUALLY, IN ACCORDANCE WITH JPI INSTALLATION MANUAL #103 PAGE 21 AND FAR 43 APPENDIX D.

"ICA IS NOT REQUIRED, MAINTENANCE IS LIMITED TO REMOVAL AND REPLACEMENT".

Additional Sheets Are Attached

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N263DB	Mooney M20E	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-10/13/1965	Dalton L. Mount	SJC ESDO

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.

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UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION 52-1234

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
2630B	Mooney M20E	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-10-13-1965	Dalton L. Smutz	SJC FSDO WP-

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.

08/04/03 12:58 FAX

01

Fax 408-271-5440

S/B N263 DB

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
2630B	Mooney M20E	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex B to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 81 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-10-13-1965	Darion L. Shultz	SJC FSDO WP-

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

FAA Form 8100-2 (8-82)

U.S. GPO-2001-668-455

104.
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APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARK N263DB	2. AIRCRAFT BUILDER'S NAME (Make) Mooney	3. AIRCRAFT MODEL DESIGNATION M20E	4. YR. MFR 1965	FAA CODING 5870212
	5. AIRCRAFT SERIAL NO. 857	6. ENGINE BUILDER'S NAME (Make) Lycoming	7. ENGINE MODEL DESIGNATION IO360		41515
	8. NUMBER OF ENGINES 1	9. PROPELLER BUILDER'S NAME (Make) Hartzell	10. PROPELLER MODEL DESIGNATION		11. AIRCRAFT IS (Check if applicable) ☒ IMPORT

II. CERTIFICATION REQUESTED	APPLICATION IS HEREBY MADE FOR: (Check applicable items)												
	A	1	☒	STANDARD AIRWORTHINESS CERTIFICATE (Indicate category)	☒ NORMAL	☐ UTILITY	☐ ACROBATIC	☐ TRANSPORT	☐ GLIDER	☐ BALLOON			
	B			SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)									
		2		LIMITED									
		5		PROVISIONAL (Indicate class)	1	CLASS I							
					2	CLASS II							
		3		RESTRICTED (Indicate operation(s) to be conducted)	1	AGRICULTURE AND PEST CONTROL		2	AERIAL SURVEYING		3	AERIAL ADVERTISING	
					4	FOREST (Wildlife conservation)		5	PATROLLING		6	WEATHER CONTROL	
					7	CARRIAGE OF CARGO		0	OTHER (Specify)				
		4		EXPERIMENTAL (Indicate operation(s) to be conducted)	1	RESEARCH AND DEVELOPMENT		2	AMATEUR BUILT		3	EXHIBITION	
				4	RACING		5	CREW TRAINING			MKT. SURVEY		
				0	TO SHOW COMPLIANCE WITH FAR								
	8		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)	1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE								
				2	EVACUATE FROM AREA OF IMPENDING DANGER								
				3	OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT								
				4	DELIVERING OR EXPORT		5	PRODUCTION FLIGHT TESTING					
				6	CUSTOMER DEMONSTRATION FLIGHTS								
C	6		MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable)										

III. OWNER'S CERTIFICATION	A. REGISTERED OWNER (As shown on certificate of aircraft registration)		IF DEALER, CHECK HERE ☐	
	NAME David Burton		ADDRESS 7120 S Red Hill Rd, Vail AZ 85641	
	B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)			
	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No and Revision No.)		AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.)	
	AIRCRAFT LISTING (Give page number(s))		SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)	
	C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS			
	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.101 91.417		TOTAL AIRFRAME HOURS	
			3 EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)	
	D. CERTIFICATION — 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 Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested			
	DATE OF APPLICATION 6/9/2003		NAME AND TITLE (Print or type) David Burton co-owner	
		SIGNATURE [Signature]		

IV. INSPECTION AGENCY VERIFICATION	A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183(d) applies)			
	2	FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	3	CERTIFICATED MECHANIC (Give Certificate No.)
	6	CERTIFICATED REPAIR STATION (Give Certificate No.)		
	5	AIRCRAFT MANUFACTURER (Give name of firm)		
	DATE	TITLE		SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION	(Check ALL applicable blocks in items A and B)		THE CERTIFICATE REQUESTED	
	A. I find that the aircraft described in Section I or VII meets requirements for		4 AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE	
	B. Inspection for a special flight permit under Section VII was conducted by:		FAA INSPECTOR	
			FAA DESIGNEE	
			CERTIFICATE HOLDER UNDER:	
	DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO	FAA INSPECTOR'S SIGNATURE
	6-9-2003	WP-15	4	[Signature]

VII. AIRWORTHINESS DOCUMENTATION (FAA use only)		VIII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable </td> <td style="width: 50%; vertical-align: top;"> B. Current Operating Limitations Attached </td> </tr> <tr> <td style="vertical-align: top;"> C. Data, Drawings, Photographs, etc. (Attach when required) </td> <td style="vertical-align: top;"> D. Current Weight and Balance Information Available in Aircraft </td> </tr> <tr> <td style="vertical-align: top;"> E. Major Repair and Alteration, FAA Form 337 (Attach when required) </td> <td style="vertical-align: top;"> F. This Inspection Recorded in Aircraft Records </td> </tr> </table>		A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable	B. Current Operating Limitations Attached	C. Data, Drawings, Photographs, etc. (Attach when required)	D. Current Weight and Balance Information Available in Aircraft	E. Major Repair and Alteration, FAA Form 337 (Attach when required)	F. This Inspection Recorded in Aircraft Records	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> G. Statement of Conformity, FAA Form 8130-9 (Attach when required) </td> <td style="width: 50%; vertical-align: top;"> H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) </td> </tr> <tr> <td style="vertical-align: top;"> I. Previous Airworthiness Certificate Issued in Accordance with FAR CAR (Original Attached) </td> <td style="vertical-align: top;"> J. Current Airworthiness Certificate Issued in Accordance with FAR (Copy attached) </td> </tr> </table>		G. Statement of Conformity, FAA Form 8130-9 (Attach when required)	H. Foreign Airworthiness Certification for Import Aircraft (Attach when required)	I. Previous Airworthiness Certificate Issued in Accordance with FAR CAR (Original Attached)	J. Current Airworthiness Certificate Issued in Accordance with FAR (Copy attached)
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E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION (Use attachment if necessary)													
D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">PILOT</td> <td style="width: 25%;">CO-PILOT</td> <td style="width: 25%;">NAVIGATOR</td> <td style="width: 25%;">OTHER (Specify)</td> </tr> </table>				PILOT	CO-PILOT	NAVIGATOR	OTHER (Specify)						
PILOT	CO-PILOT	NAVIGATOR	OTHER (Specify)										
C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">VIA</td> <td style="width: 25%;">DEPARTURE DATE</td> <td style="width: 25%;">DURATION</td> <td style="width: 25%;"></td> </tr> <tr> <td>FROM</td> <td>TO</td> <td></td> <td></td> </tr> </table>				VIA	DEPARTURE DATE	DURATION		FROM	TO				
VIA	DEPARTURE DATE	DURATION											
FROM	TO												
B. DESCRIPTION OF FLIGHT													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REGISTERED OWNER</td> <td style="width: 50%;">CUSTOMER DEMONSTRATION FLIGHTS ☐ (Check if applicable)</td> </tr> <tr> <td>BUILDER (Make)</td> <td></td> </tr> <tr> <td>MODEL</td> <td></td> </tr> <tr> <td>REGISTRATION MARK</td> <td></td> </tr> </table>				REGISTERED OWNER	CUSTOMER DEMONSTRATION FLIGHTS ☐ (Check if applicable)	BUILDER (Make)		MODEL		REGISTRATION MARK			
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NAME	ADDRESS	DATE OF APPLICATION	NAME AND TITLE (Print or type)										
		SIGNATURE											
C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">APPROVED PRODUCTION INSPECTION SYSTEM</td> <td style="width: 25%;">TYPE CERTIFICATE ONLY</td> <td style="width: 25%;">PRODUCTION CERTIFICATE (Give production certificate number)</td> <td style="width: 25%;">PRODUCTION BASIS (Check applicable item)</td> </tr> </table>				APPROVED PRODUCTION INSPECTION SYSTEM	TYPE CERTIFICATE ONLY	PRODUCTION CERTIFICATE (Give production certificate number)	PRODUCTION BASIS (Check applicable item)						
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NAME	ADDRESS	DATE OF APPLICATION	NAME AND TITLE (Print or type)										
		SIGNATURE											
A. MANUFACTURER													

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N630B	Mooney M20B	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 81 of the Federal Aviation Regulations, as appropriate and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-10-13-1965	Dalton L Mountz	SJC ESDO HP-

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.

DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N1600A	Mooney M20E	857	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE "Replacement" 10-13-65	FAA REPRESENTATIVE <i>L. Wayne Dunham</i> L. Wayne Dunham	DESIGNATION NUMBER GL GADO-19
---	---	----------------------------------

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.

1900

FAA



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
SAC. FSDO

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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 M20E
	Serial No. 857	Nationality and Registration Mark N1600A
2. Owner	Name (As shown on registration certificate) BURTON DAVID	Address (As shown on registration certificate) 7120 S RED HILL RD VAIL AZ 85641-6215
	Co ow	

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 Lake Aero Styling & Repair 4725 Highland Springs Rd Lakeport CA 95453-9775	B. Kind of Agency <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>☐ U.S. Certified Mechanic</td></tr> <tr><td>☒ Foreign Certified Mechanic</td></tr> <tr><td>☐ Certified Repair Station</td></tr> <tr><td>☐ Manufacturer</td></tr> </table>	☐ U.S. Certified Mechanic	☒ Foreign Certified Mechanic	☐ Certified Repair Station	☐ Manufacturer	C. Certificate No. NT3R722L L-AF, L-PRP, L-SS, L-PP
☐ U.S. Certified Mechanic						
☒ Foreign Certified Mechanic						
☐ Certified 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 30 MAY 2003	Signature of Authorized Individual ROBERT G BROWN
---	--

7. Approval for Return to Service

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

BY	FAA Fit Standards Inspector		Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 30 MAY 2003		Certificate of Designation No. NT3R722L		Signature of Authorized Individual ROBERT G BROWN	

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.)

ALTERATION BY THE ADDITION OF LONG RANGE FUEL TANKS, OUTBOARD OF THE MAIN FUEL TANKS. INSTALLATION WAS IN ACCORDANCE WITH JOSE J. MONROY STC SA1913SO AND JOSE MONROY INSTALLATION INSTRUCTION MANUAL DATED 12-20-94. THIS INSTALLATION IS ALSO A "WET WING", AS IN THE ORIGINAL FACTORY MAIN TANKS. EACH TANK HAS A USEABLE FUEL CAPACITY OF 17.0 U.S. GAL, AND IS A GRAVITY FEED METHOD TANK. THERE IS NO REPORTED UNUSABLE FUEL. WEIGHT AND BALANCE IS: 12.0 LBS (ADDED) AND F.S. 66.0 LOCATION. EQUIPMENT LIST AND WEIGHT & BALANCE AMENDED. A FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT WAS ADDED TO THE AFM/POH. REQUIRED PLACARDS WERE INSTALLED. GROUND AND FLIGHT CHECKS WERE COMPLETED-SATISFACTORY. REPAIR PROCEDURES REQUIRES THE USE OF THE MOONEY SERVICE MANUAL.

CONTINUED AIRWORTHINESS REQUIRES AN OPERATION CHECK AND INSPECTION, ANNUALLY, IN ACCORDANCE WITH MONROY INSTALLATION MANUAL PAGE 24 AND FAR 43 APPENDIX D.

-----END-----

Additional Sheets Are Attached



US Department
of Transportation

Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
WP-FSDO

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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 M20E
	Serial No. 857	Nationality and Registration Mark N1600A
2. Owner	Name (As shown on registration certificate) BURTON DAVID	Address (As shown on registration certificate) 7120 S RED HILL RD VAIL AZ 85641-6215
	Co ow	

3. For FAA Use Only

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

MAY 21 2003

Date

James P. Nelson

Principal Avionics Inspector WP-FSDO-25

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 Lake Aero Styling & Repair 4725 Highland Springs Rd Lakeport CA 95453-9775	B. Kind of Agency ☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☒ Certificated Repair Station ☐ Manufacturer	C. Certificate No. NT3R722L L-AF, L-PRP, L-SS, L-PP
---	--	---

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 30 MAY 2003	Signature of Authorized Individual ROBERT G BROWN <i>Robert G Brown</i>
----------------------------	---

7. Approval for Return to Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 30 MAY 2003		Certificate of Designation No. NT3R722L	Signature of Authorized Individual ROBERT G BROWN <i>Robert G Brown</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 accomplished.)

A. The following equipment was removed:

- NARCO CP-136 Audio/Marker
- King KX-170B/KI-208 Nav/Comm
- Apollo 2001 GPS
- P M Engr PM-1000II Intercom

B. The following equipment was installed:

- Garmin GNS 430 GPS/Comm/Nav/LS. TSO-C129a, Class A1 (5 & 10 Amp CB)
- Garmin GA-56 GPS Ant. TSO-C129a
- Garmin GMA-340 Audio/Marker/Intercom, TSO-C50c/35d, (5 Amp CB)

C. This installation is composed of a Garmin GNS 430 GPS/Comm/Nav/LS system and a Garmin GI-106A CDI indicator. The Garmin 430 is installed in the factory avionics stack in the center instrument panel. A GA-56 GPS antenna is installed on the fuselage top at F.S. 88, with a mounting doubler, using standard MS hardware. An existing Terra 3000 encoder is connected to an existing King KT-76A transponder, then to the GNS 430, for altitude data. The GNS 430 utilizes an existing factory antennae for comm, all other nav/comm antenna used was original factory installed.

D. The installation was performed in accordance with the following documents:

- Garmin GNS 430 Installation Instruction Manual No. 190-00140-02, Rev. E, 6/99
- Garmin GA-56 Installation Instruction Manual No. 560-5047-00, 4/97
- Garmin GMS 340 Installation Instruction Manual No. 190-00149-01, Rev. E, 5/99
- FAA Advisory Circular AC 20-138, Airworthiness Approval of GPS for VFR and IFR
- FAA Advisory Circular AC 43-13-1B, Ch 7, Sec 1.1; Ch 10, Sec 1.2; Ch 11, Sec 1.3, 4.8
- FAA Advisory Circular AC 43-13-2A, Ch 2, Sec 3, para 36 & 44

E. An electrical load analysis was performed and found that the continuous load of the alternator did not exceed 80% of capacity.

F. A complete operational test was done and the equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft. A correspondence test was accomplished IAW FAR 91.411 and 91.413 - Satisfactory. The system was tested for EMI & RFI by ground and flight test.

G. The aircraft weight and balance data and the equipment list were amended to reflect these changes and were placed in the aircraft records.

H. This GPS unit meets the certification requirement of TSO-C129a (A1), and is limited to IFR for enroute, terminal and non-precision approaches. The Garmin model GNS 430 system is a "follow-on installation" and has been previously approved in Garmin's M20J aircraft under STC SA00735WI. A FAA approved AFM Supplement, Dated MAY 21 2003, was prepared and placed in the aircraft AFM/POH.

I. This GPS installation is not to be used for navigation until a functional flight evaluation has been successfully accomplished to verify equipment accuracy.

J. Instructions for continued airworthiness requires a visual inspection and operational check, Annually, in accordance with the manufacturer's instructions and FAR 43 Appendix D. Internal batteries of the GNS 430 require replacement each five (5) years.

END

ACCURACY TEST ACCOMPLISHED ON 30 MAY 2003 BY ROBERT KING, FOR LAKE AERO STYLING & REPAIR, IN ACCORDANCE WITH ACCURACY DATA SHEET DATED 30 MAY 2003

N1600A
5-30-03

GPS & LORAN-C
FLIGHT TEST DATA - WORK SHEET

Legend: / = Pass, X = Fail, N/A = Not Applicable.

- A. / Evaluate all operating modes of the equipment.
- B. / Examine interface of other equipment.
- C. / Review failure modes and associated annunciations.
- D. / Evaluate steering response with autopilot coupled.
- E. / Evaluate instrument interface with HSI, CDI, etc.
- F. / Assess all switching and transfer functions including high power electrical loads and electrical bus switching.
- G. / Evaluate EMI & RFI on VHF frequencies 121.150, 121.175, 121.200, 131.250, 131.275 and 131.300 MHZ (modulated and unmodulated for 20 second transmissions).
- H. / Evaluate accessibility of equipment controls.
- I. / Evaluation of visibility of displays and annunciators.
- J. / Analysis of crew workload.
- K. / Accuracy should be verified by conducting at least 5 (five) low-level overflights of known landmarks.

WPT	Lat. / Lon.	Measured Lat. / Lon.	Cosine
SGD	N38°10.76'/W122°22.39'	N38°10.74'/W122°22.36'	.7861
O69	N38°15.47'/W122°36.33'	N38°15.48'/W122°36.36'	.7852
STS	N38°30.49'/W122°48.64'	N38°30.52'/W122°48.59'	.7825
UKI	N39°07.56'/W123°12.05'	N39°07.60'/W123°12.03'	.7756
ENI	N39°03.19'/W123°16.45'	N39°03.20'/W123°16.44'	.7766

Accuracy (FTE nmi)	GPS/ Multi-Sen.	Loran-C	NOTE
En route, on airways:	2.0	3.0	1 min of Lat. = 1 nmi.
Terminal	1.0	2.0	1 min. of Lon. = 1 nmi. x cosine of angle of Lat.
Approach:	0.25	0.6	e.g. 1 min. of Lon. @ 28 degrees Lat. = 1 x .8829 = .8829 nm.

- L. / Verify continuity of navigation data during normal aircraft maneuvers including 30 degree bank turns for one minute.
- MN/A Loran receiver should demonstrate the ability to properly acquire at least 5 in flight and 5 ground acquisitions.
- N. / For equipment approved for approach, conduct at least 3 (three) published instrument approaches (retrieved from the data base) to verify proper operation.
GPS-29 O69 Approach, GPS-B UKI Approach, GPS-A 102 Approach.

Equipment Mfg. Garmin Model GNS 430 Serial No. 97114783

Aircraft N 1600A, Make Mooney, Model M20E, has completed a flight test in accordance with the applicable requirements:

GPS: AC 20-138, paragraph 8c (2) (iv).

GPS Multi Sensor: N8110.48, paragraph 9a (4).

Loran-C: AC 20-121A, paragraph 10a (3) (i) and paragraph 10b (6).

Signature Robert B. King Certificate No. 474711CFII Date 05/30/03

1. 2

1. 2

FAA

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020	
				For FAA Use Only	
				Office Identification WP-25	
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 M20E			
	Serial No. 857	Nationality and Registration Mark N1600A			
2. Owner	Name (As shown on registration certificate) PAUL E LOEWEN D/B/A LAKE AERO STYLING & REPAIR		Address (As shown on registration certificate) 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775		
	DEALER				
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 LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775		B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certificated Repair Station ☐ Manufacturer		C. Certificate No. NT3R722L L-AF, L-PRP, L-SS L-PP	
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 12 APR 2002		Signature of Authorized Individual ROBERT G BROWN			
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization		Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 12 APR 2002		Certificate or Designation No. NT3R722L	Signature of Authorized Individual ROBERT G BROWN		

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.)

ALTERATION BY THE INSTALLATION OF A FIBERGLASS FRONT NOSE COWLING CLOSURE FAIRING WITH APPROVED PART, P/N L131-650062-3, INSTALLED IAW STC SA4535NM AND INSTRUCTION PROVIDED ON LAKE AERO STYLING & REPAIR DRAWING LIST REPORT NO. 131.

ALTERATION BY THE REPLACEMENT OF FUSELAGE BELLY PANELS WITH A ONE-PIECE FIBERGLASS PANEL WITH APPROVED PART, P/N L129-310322-501-10, SUPPLIED BY LAKE AERO STYLING AND REPAIR. INSTALLED IN ACCORDANCE WITH STC SA3541NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT NO. 129B.

INSTALLED FLAP GAP SEALS WITH THE FOLLOWING PARTS: P/N C-L002-210374-001, C-L002-210374-002, C-L002-210374-003, C-L002-210374-004, C-L002-0210375-001, & C-L002-210375-003. INSTALLED IN ACCORDANCE WITH STC SA4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING & REPAIR DRAWING LIST REPORT NO. 100.

INSTALLED HINGE COVER ON ELEVATOR AND RUDDER ASSEMBLY WITH THE FOLLOWING APPROVED PARTS: P/N L018-410066-009, L018-410066-008, L018-410066-007, L018-410066-006, L018-410066-005, L018-410066-004, L018-410066-003, L018-410066-002, AND L018-410066-001. INSTALLED IN ACCORDANCE WITH STC SA4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT NO. 112.

INSTALLED INBOARD FLAP BRACKET FAIRING WITH THE FOLLOWING APPROVED PARTS: P/N L111-240026-1 & L111-240026-2, INSTALLED IN ACCORDANCE WITH STC SA4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT NO. 111B.

INSTALLED WING ROOT LEADING EDGE FAIRINGS WITH APPROVED PARTS: P/N L017-120068-003, L017-120068-004, MK419 B.S. USM, PRC 1403 6B2. INSTALLED IN ACCORDANCE WITH STC SA4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT NO. 108.

INSTALLED AILERON LOWER GAP SEALS WITH THE FOLLOWING APPROVED PARTS: L004-230015-002-2, L004-230015-001-1. INSTALLED IN ACCORDANCE WITH STC SA4443NM AND INSTRUCTIONS PROVIDED ON LAKE AERO STYLING AND REPAIR DRAWING LIST REPORT NO. 101.

☐ Additional Sheets Are Attached

FAA



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
WP-25

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 M20E
	Serial No. 857	Nationality and Registration Mark N1600A
2. Owner	Name (As shown on registration certificate) PAUL E LOEWEN D/B/A LAKE AERO STYLING & REPAIR	Address (As shown on registration certificate) 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775
	DEALER	

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 LAKE AERO STYLING & REPAIR 4725 HIGHLAND SPRINGS RD LAKEPORT CA 95453-9775	B. Kind of Agency	C. Certificate No. NT3R722L L-AF, L-PRP, L-SS L-PP, 111111
	U.S. Certificated Mechanic	
	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 12 APR 2002	Signature of Authorized Individual ROBERT G BROWN
----------------------------	---

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	X	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee				
Date of Approval or Rejection 12 APR 2002		Certificate or Designation No. NT3R722L		Signature of Authorized Individual ROBERT G BROWN	

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 BELLY AREA BY THE REPLACEMENT OF THE FOLLOWING:

210108-008/010	FAIRING, BELLY
210104-000	HINGE, FLAP, IB, LH
210106-502	FAIRING, FLAP HINGE, RH

REPAIR WAS ACCOMPLISHED ON THE BELLY AREA BY CLEANING, INSPECTION AND REPLACING THE ABOVE PARTS IAW MOONEY AIRCRAFT CORP SERVICE MANUAL NO. 133, CHAPTER 51-13-03, FIGURE 51.6; COMPONENT REPLACEMENT IAW MOONEY SERVICE MANUAL NO. 133, CHAPTER 51-13-07, AND MOONEY PARTS MANUAL, AC 43.13.1A PARA 95 THRU 99, AS APPROPRIATE. ALL HARDWARE IAW MOONEY CORP PARTS MANUAL.

MAJOR REPAIR OF THE LOWER CABIN TUBING AREA BY THE REPAIR OF THE FOLLOWING PART:

340117-021	TUBE, FUSELAGE
------------	----------------

REPAIR WAS ACCOMPLISHED ON THE TUBING BY CLEANING, INSPECTION AND WELD REPAIR OF 4130 STEEL TUBING USING AN EXTERNAL 6 INCH DIAMOND WELDED PATCH ON LOCAL DAMAGE AND INERT-GAS SHIELDED-ARC WELDING (HELIARC) METHOD OF PATCH MATERIAL OF AISI 4130 STEEL, CONDITION N, WELDING ELECTRODES PER MIL-F-5632-A CLASS 2, IAW MOONEY AIRCRAFT CORP SERVICE BULLETIN M20-208B (FAA APPROVED THAT REQUIRES REPAIR IAW MOONEY MANUALS AND AC 43.13-1(*)), MOONEY AIRCRAFT CORP STRUCTURAL REPAIR MANUAL NO. 68-20 AND 22-SR-B PARA 2.3.1.1; AC 43.13-1B SEC. 5, PARA 4-74, 4-75, 4-81. ALL HARDWARE USED IAW MOONEY AIRCRAFT CORP PARTS MANUAL.

|| Additional Sheets Are Attached

 U.S. Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only																																									
		Office Identification <i>ASW FSDO 15</i>																																											
		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 Serial No. 857	Model M20B Nationality and Registration Mark N 1600 A																																											
2. Owner	Name (As shown on registration certificate) Kennett, Betty Kennett, Jack	Address (As shown on registration certificate) 22212 East 63rd Street Broken Arrow, OK 74014																																											
3. For FAA Use Only																																													
4. Unit Identification																																													
Unit	Make	Model	Serial No.	Repair	Alteration																																								
AIRFRAME	(As described in Item 1 above)				X																																								
POWERPLANT				<table border="1" style="font-size: x-small;"> <tr><td>OS</td><td></td><td>MGR</td><td></td><td>AS</td></tr> <tr><td>01</td><td></td><td>APS</td><td></td><td>A1</td></tr> <tr><td>02</td><td></td><td></td><td></td><td>A2</td></tr> <tr><td>03</td><td></td><td></td><td></td><td>A3</td></tr> <tr><td>04</td><td></td><td></td><td></td><td>A4</td></tr> <tr><td>05</td><td></td><td></td><td></td><td>A5</td></tr> <tr><td>06</td><td></td><td></td><td></td><td>A6</td></tr> <tr><td>07</td><td></td><td></td><td></td><td>A7</td></tr> </table>	OS		MGR		AS	01		APS		A1	02				A2	03				A3	04				A4	05				A5	06				A6	07				A7	
OS		MGR		AS																																									
01		APS		A1																																									
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07				A7																																									
PROPELLER																																													
APPLIANCE	Type																																												
	Manufacturer																																												
5. Conformity Statement																																													
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.																																									
Richardson Aviation 600 S. 40th Muskogee, OK 74401		U.S. Certified Mechanic		<i>ASW</i> RJZR636K																																									
		Foreign Certified Mechanic																																											
		X Certified 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																																											
January 31, 1992		<i>George Robinson</i> George Robinson																																											
7. Approval for Return To Service																																													
Pursuant to the authority given persons specified below, the unit identified in item 4 above 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	Repair Station	Person Approved by Transport Canada Airworthiness Group																																										
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual																																										
1-31-92		RJZR636K	<i>George Robinson</i> George Robinson																																										

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.)

Mooney M20B N1600A S/N 857

Removed King LC 8002 Loran Receiver, installed Northstar M-1 Receiver and CI 221 SP antenna.

Receiver installed in stationary instrument panel, right side Radio stack using existing mounting rails and an-526-632 screws, an-936-6 lockwashers and A75-6 Rivnuts. Unit supported at rear by locally fabricated support attached to Mooney P/N 310140-3 stiffener with an-526-632 screws and an-365-632 nuts.

Antenna mounted on belly skin Mooney P/N 35000-10 98 inches aft of Datum right side of aircraft centerline, folded doubler fabricated of .040 aluminum and affixed with NAS 1738 B "Cherry Max" rivets. Antenna affixed with MS24693 S, 8-32 screws an-960-8 washers and an-365-832 nuts.

Wiring accomplished using MIL 22759/16, 22 AWG wire protected with a 5 Ampere circuit breaker.

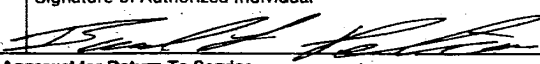
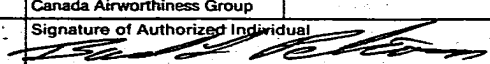
Per AC 20-121A, Plackard installed in view of pilot stating "Loran C not approved for IFR."

This installation accomplished using procedures outlined in Northstar installation manual and AC 43-13-2A Chapter 2, par. 21 and figure 2.1 and 2.2 page 6 and Para 38 and figure 3.3 of page 14.

Maintenance records and weight and balance amended to reflect this change.

-----END-----

☐ Additional Sheets Are Attached

 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification SW FSDO 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 Mooney Serial No. 857		Model M20B Nationality and Registration Mark N1600A	
2. Owner		Name (As shown on registration certificate) Doyle Ford		Address (As shown on registration certificate) 4042 Hillside Dr. Sapulpa, Okla. 74066	
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
RECEIVED FAA ASW FSDO-OKC JAN 19 1990 BETHANY, OK RIM					
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Basil L. Pelton Avtec Services Inc. PO Box 701766 Tulsa, Okla. 74170-1766		☒ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☐ Certificated Repair Station ☐ Manufacturer		513566435	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date 1/16/90		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	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 1/16/90		Certificate or Designation No. 513566435		Signature of Authorized Individual  Basil L. Pelton	

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 DME 90 and ADF and installed LC800Z Loran C in accordance with installation instruction supplied by manufacture and procedures outlined in AC 43.13 Chapter 15 Paragraphs 749, 750 and 753. The existing ADF antenna and coax was used for this installation.

END

☐ Additional Sheets Are Attached

U.S. 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	
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	M20E
	SERIAL NO.	857		NATIONALITY AND REGISTRATION MARK	N1600A
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)	
	Mize John H			1415 N Rotan Salem, Ill 62881	
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.
David R Althoff 1502 Wabash Ave Vincennes, IN 47591			☒ 1. 3. CERTIFICATED MECHANIC ☐ FOREIGN CERTIFICATED MECHANIC ☐ CERTIFICATED REPAIR STATION ☐ MANUFACTURER		303 60 3943
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 March 23, 1989			SIGNATURE OF AUTHORIZED INDIVIDUAL <i>David R Althoff</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	☒	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	☐	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 3-23-89		CERTIFICATE OR DESIGNATION NO. 303 60 3943		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>David R Althoff</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.)

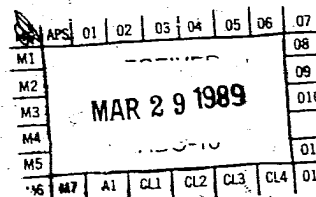
Installed Terra Corp, AT 3000 altitude encoder, TSO C-88, connected to existing Narco AT-50A transponder, TSO C-74c.

All work performed in accordance with AC 43.13-2A, chap.1, para.1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, chap.2, para.21, 22, 26, and 27.

altitude reporting system checked in accordance with AC 43-6A. Altimeter certified to 20,000ft on 3-22-89.

Aircraft weight and balance change negligible.

*****END*****



☐ ADDITIONAL SHEETS ARE ATTACHED

8-5-85

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	
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.				OFFICE IDENTIFICATION GL-GADO-19	
1. AIRCRAFT	MAKE	Mooney	MODEL	M20E	
	SERIAL NO.	857	NATIONALITY AND REGISTRATION MARK	N1600A	
2. OWNER	NAME (As shown on registration certificate) Cobbie's Motor Sales		ADDRESS (As shown on registration certificate) 1309 Salem Rd. P.O. Box 1078 Mt. Vernon, IL 62864		
	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					X
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY		C. CERTIFICATE NO.	
Kenneth Spragg Rt. 7 Mt. Vernon, IL 62864		☒ U.S. CERTIFICATED MECHANIC ☐ FOREIGN CERTIFICATED MECHANIC ☐ CERTIFICATED REPAIR STATION ☐ MANUFACTURER		A/p 334403448	
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 2/4/83		SIGNATURE OF AUTHORIZED INDIVIDUAL Kenneth Spragg <i>Kenneth Spragg</i>			
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	☒ INSPECTION AUTHORIZATION	OTHER (Specify)	
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION 2/4/83		CERTIFICATE OR DESIGNATION NO. 33456779IA		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Steve Jones</i>	

FAA Form 337 (7-67)

GPO : 1972 O - 475-509

FEB 7 1983
(8320)

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.)

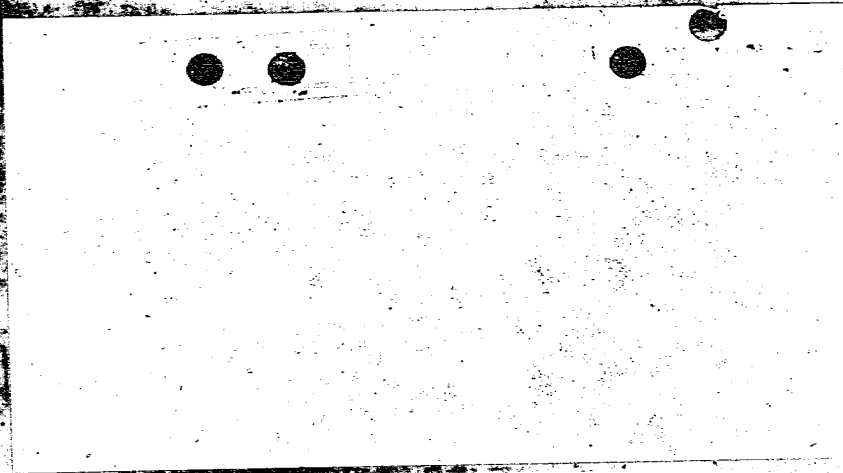
Removed Dukes landing gear actuator and installed Avionics Products Inc. landing gear actuator in accordance with Mooney Aircraft Corporation ~~approved~~ approved blue prints No. 94007. Performed landing gear retraction tests for rigging and fit. No weight and balance change.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

UNITED STATES OF AMERICA FEDERAL AVIATION AGENCY	
CERTIFICATE OF AIRWORTHINESS	
1. NATIONALITY AND REGISTRATION MARKS N5997Q	2. AIRCRAFT AIRWORTHINESS CLASSIFICATION Standard (Normal)
3. This Certificate of Airworthiness is issued pursuant to the Federal Aviation Act of 1958. The aircraft identified hereon is considered airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations.	
4. This Certificate will remain in effect as long as the aircraft is maintained in accordance with Part 43 of the Civil Air Regulations unless surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Agency.	
5. DATE OF ISSUANCE 10-13-65	7. DESIGNATION NO. DMCR SW-1
6. Any alteration or misuse of this Certificate is punishable by a fine of not exceeding \$1,000 or imprisonment not exceeding 3 years, or both.	

FAA AIRCRAFT REGISTRY
CAMERA NO. 5N DATE: 2-16-83



FEDERAL AVIATION AGENCY APPLICATION FOR AIRWORTHINESS CERTIFICATE		FORM APPROVED BUDGET BUREAU NO. 04-R058.1
INSTRUCTIONS: Please print or type. Submit this form, original only, to an authorized Federal Aviation Agency Representative. Use attachments or extra sheets as necessary.		
PART I AIRCRAFT DESCRIPTION	1. AIRCRAFT IDENTIFICATION NO. N 5997Q 1600A	2. AIRCRAFT MAKE Mooney
	3. AIRCRAFT MODEL M-20E	4. AIRCRAFT SERIAL NUMBER 857
	5. ENGINE MAKE Lycoming	6. ENGINE MODEL O-360-A1D
	7. NUMBER OF ENGINES One	8. PROPELLER MAKE Hartzell
9. PROPELLER MODEL HC-C2YK-1A/7666A-2		
PART II CERTIFICATION REQUESTED	1. APPLICATION IS HEREBY MADE FOR: A. ☒ ORIGINAL ISSUANCE OF CERTIFICATE (AIRCRAFT ☒ NEW ☐ USED ☐ IMPORT) (CAR 1) B. ☐ AMENDMENT OF CURRENT CERTIFICATE (CAR 1.62) C. ☐ MULTIPLE CERTIFICATE (REF. CAR 1 AND 8) D. ☐ OTHER _____ (Specify)	
	2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s)) It is requested that an Airworthiness Certificate be issued to permit operation of the above described aircraft in the following classification(s): A. ☒ STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) (REF. CAR 1) B. ☐ LIMITED (REF. CAR 9) C. ☐ RESTRICTED (REF. CAR 8) (Check operation(s) to be conducted) (1) ☐ AGRICULTURAL AND PEST CONTROL (2) ☐ AERIAL ADVERTISING (3) ☐ AERIAL SURVEYING (4) ☐ PATROLLING (5) ☐ FOREST AND WILDLIFE CONSERVATION (6) ☐ WEATHER CONTROL (7) ☐ OTHER _____ (Specify) D. ☐ EXPERIMENTAL (REF. CAR 1) (Check operation(s) to be conducted) (1) ☐ AMATEUR-BUILT (2) ☐ EXPERIMENT (RESEARCH AND DEVELOPMENT) (3) ☐ EXHIBITION (4) ☐ RACING (5) ☐ TO SHOW COMPLIANCE WITH CAR E. ☐ (OTHER) _____ (Specify)	
	3. HAS THE APPLICANT PREVIOUSLY BEEN DENIED AN AIRWORTHINESS CERTIFICATE FOR THIS AIRCRAFT? ☐ YES (Explain) ☒ NO	
	4. IN ACCORDANCE WITH CAR 1.67(d) THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: A. ☐ AIRCRAFT MANUFACTURER (Name of Firm) _____ N/A B. ☐ CERTIFICATED DOMESTIC REPAIR STATION, CERTIFICATE NO. _____ C. ☐ CERTIFICATED AIR CARRIER, CERTIFICATE NO. _____ D. ☐ CERTIFICATED MECHANIC (Inspection Authorization) NO. _____	
DATE _____ SIGNATURE OF AUTHORIZED INDIVIDUAL _____ TITLE _____		
PART III INSPECTION AGENCY VERIFICATION (Not applicable to newly manufactured aircraft)	I hereby certify that the aircraft described above has been inspected and is airworthy and eligible for the classification(s) requested. I further certify that I am the registered owner (or his agent) of this aircraft which is registered* with the Federal Aviation Agency, as required by the Federal Aviation Act of 1958 and the applicable Federal Aviation Regulations and Regulations of the Administrator and that the following evidence of registration is displayed in the aircraft. (Check and complete appropriate item(s); this includes completion of items 1 and 2 on the reverse side of this form.)	
	1. ☐ CERTIFICATE OF REGISTRATION, FAA FORM 500 (PART A) DATE OF ISSUE _____ 2. ☐ APPLICATION FOR REGISTRATION, FAA FORM 500 (PART B). FAA FORM 500 FORWARDED TO FAA AIRCRAFT REGISTRATION BRANCH ON (Date) _____ 3. ☒ DEALER'S AIRCRAFT REGISTRATION CERTIFICATE, FAA FORM 1707 (Expiration date) 4-26-66 4. REGISTERED OWNER'S FULL NAME AND PERMANENT MAILING ADDRESS (No., Street, City, Zone and State) Mooney Aircraft, Inc. Box 72 Kerrville, Texas	
	5. SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT <i>E. B. Hummcutt</i>	
	6. DATE 10-13-65 7. TITLE Treasurer	
PART IV OWNER'S CERTIFICATION	*In order to be eligible for registration an aircraft must be owned by a citizen of the United States as defined by Section 101(13) of the Federal Aviation Act of 1958.	
	8. ATTACHMENTS (Check which) A. ☐ FAA FORM 337 C. ☐ WEIGHT AND BALANCE REPORT B. ☐ FAA FORM 317 D. ☐ DATA, DRAWINGS, PHOTOGRAPHS, ETC. (List separately) E. ☐ OTHER (List separately)	
	9. ☐ OTHER (List separately)	
	10. ☐ OTHER (List separately)	

FEDERAL AVIATION AGENCY
AIRCRAFT INSPECTION REPORT

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

1. AIRCRAFT CERTIFICATION BASIS		
The aircraft described in PART I on the reverse of this form has been inspected and found to conform to the following:		
A. ☒ AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET NO. 2A3	REVISION NO. 11	
B. ☐ AIRCRAFT LISTING, PAGE NO. (S)		
C. ☒ AIRWORTHINESS DIRECTIVE SUMMARY 1-1-63	(YEAR) THROUGH CARD NO. 65-22	
D. ☐ SUPPLEMENTAL TYPE CERTIFICATE NO. (S)		
E. ☐ OTHER	(Specify)	
2. AIRCRAFT AND ENGINE OPERATING RECORDS		
A. ☒ AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY		
B. ☒ COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED		
C. ☒ AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 3.25 HOURS		
D. ☒ ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:		
SERIAL NO. L-1732-51A	TOTAL HOURS 3.25	TIME SINCE OVERHAUL N/A
SERIAL NO.	TOTAL HOURS	TIME SINCE OVERHAUL
SERIAL NO.	TOTAL HOURS	TIME SINCE OVERHAUL
SERIAL NO.	TOTAL HOURS	TIME SINCE OVERHAUL
3. AIRWORTHINESS DOCUMENTATION		
A. ☐ CURRENT OPERATING RESTRICTIONS (LIMITATIONS), COPY ATTACHED		
B. ☐ CURRENT OPERATING RESTRICTIONS (LIMITATIONS), AVAILABLE IN AIRCRAFT		
C. ☒ CURRENT APPROVED AIRCRAFT FLIGHT MANUAL, AVAILABLE IN AIRCRAFT		
D. ☒ CURRENT WEIGHT AND BALANCE INFORMATION, AVAILABLE IN AIRCRAFT		
E. ☒ THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS		
F. ☐ FAA FORM 337, MAJOR REPAIR AND ALTERATION, (ATTACH WHEN REQUIRED)		
G. ☐ FAA FORM 317, STATEMENT OF CONFORMITY, (ATTACH WHEN REQUIRED)		
H. ☐ WEIGHT AND BALANCE REPORT, (ATTACH WHEN REQUIRED)		
I. ☐ DATA, DRAWINGS, PHOTOGRAPHS, ETC., (ATTACH WHEN REQUIRED)		
J. ☒ AIRWORTHINESS CERTIFICATE, FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR 21.183 (a)		
K. ☐ PREVIOUS FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR		
BY (Name of Issuing Representative)		
(Designation Number)		
4. FAA REPRESENTATIVE CERTIFICATION		
I have inspected the aircraft described on the reverse and, on the basis of the application and the foregoing, find it conforms to its type certificate and that it is in condition for safe operation.		
5. REGISTRATION INDICATED ON REVERSE IS PROPERLY DISPLAYED IN AIRCRAFT ☐ YES ☒ NO (Explain)		
Current Form FAA-1707		
6. DESIGNEE'S SIGNATURE	DESIGNATION NO.	DATE
Ralph M. Harmon BY Ralph K. Langley RALPH K. LANGLEY	DMCR SW-1	10-13-65
7. FAA INSPECTOR'S SIGNATURE	FAA DISTRICT OFFICE NO.	DATE
James L. Smith for Claude A. Bandy	SW-EMDO-43	10-18-65
8. REMARKS		A. ☒ ACCEPTED B. ☐ REINSPECTED C. ☐ SPOT CHECKED
9. ATTACHMENT(S) IN ADDITION TO THOSE LISTED ON REVERSE (List separately)		
Copy Form FAA-1362B		