

N 71914

RECEIVED

AIRCRAFT DESCRIPTION

Manufacturer *Mooney*

Place

Date

License No. *N 71914*Type *M-20F*Serial No. *5409*

Description

Reconstructed By

Place

Date

Seating Capacity (Crew Included)

Weight Empty

Weight Loaded

Wing Area

Sq. Ft.

Control Area

Sq. Ft.

Span

Length

Tires Main

Tire Tail

Brakes

Owner

Address

City

State

EQUIPMENT DESCRIPTION

Propeller	Hantzell Constant	Hub Design	AC-C 24K-1	Hub Serial No.	
Blade Design	7666-2	Blade Serial No.		Blade Serial No.	
Pitch	TC 920	Width		Diameter	
Engine	Lycoming	Model	10-360	Serial No.	1-847-51
Rated H. P.		Bore		Stroke	
Receiver		Model		Serial No.	
Transmitter		Model		Serial No.	Output
Generator		Model		Serial No.	Amp. Volt
Starter		Model		Serial No.	Volts
Power Unit		Model		Serial No.	Volts

FLIGHT LOG

[illegible]

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

64

CERTIFICATE OF AIRWORTHINESS
FORM 1362B ISSUED THIS DATE

7-13

7-13-64

Thomas C. Wick

Thomas D. Webb DMIR 2041

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

7-22-64 - Time 7 hrs. - Installed Mark 12 and Omni head -
 For more detailed information see form 337 dated this
 date - A/C Test flown and radio checked on ground
 and in flight - checked O.K. - A/C considered to be airworthy -
 Ethan C. Schneider Sr. I.F. 12504819

7-22-64 Omni flight checked and found satisfactory.
 Tim on talk - 7 hrs. Error $\pm 0^\circ$
 W.V. Janson Comm. 1496450
 Tech. time 36.62

9/14/64 - Install new Pectoral Horizon and Cluster
 Gauge this date - also check & adjust micro-
 switch to obtain proper operation
 Moore, Garycraft
 51 Killeba Rd. Apt 1093

REMARKS

DATE INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

11/4/64 Installed Navo 360 Channel Mark 12, VP-10
 antenna, Navo MBT-12 Marker Beacon receiver +
 MB-1 antenna. See FAA form 337 Dated this
 date.

Aircraft Electronic Consultants
 Repair Station # 5371 Limited
 Radio Class 1 + 2

Andrew D. Jenkins No. Pending

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR
 APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED
 IN ACCORDANCE WITH CURRENT REGULATIONS OF THE
 FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN
 TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON
 FILE AT THIS REPAIR STATION UNDER ORDER NO. 24054
 DATE 11/4/64 SIGNED Andrew D. Jenkins

FOR AIRCRAFT ELECTRONIC CONSULTANTS
 CERTIFICATE NO: 5371
 HUNTSVILLE, ALABAMA

SIGNATURE OF AUTHORIZED INDIVIDUAL

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that this Aircraft has been inspected
in accordance with Periodic inspection and determi-
ned to be in airworthy condition. —

Tach Reads: 0094:

Date:

Name

Frank W. Johnson

A & P. # 1508810

Summary

Area	Department	Project	Manager	Status
Area 1	Department 1	Project 1	Manager 1	Status 1
Area 2	Department 2	Project 2	Manager 2	Status 2
Area 3	Department 3	Project 3	Manager 3	Status 3
Area 4	Department 4	Project 4	Manager 4	Status 4
Area 5	Department 5	Project 5	Manager 5	Status 5
Area 6	Department 6	Project 6	Manager 6	Status 6
Area 7	Department 7	Project 7	Manager 7	Status 7
Area 8	Department 8	Project 8	Manager 8	Status 8
Area 9	Department 9	Project 9	Manager 9	Status 9
Area 10	Department 10	Project 10	Manager 10	Status 10
Area 11	Department 11	Project 11	Manager 11	Status 11
Area 12	Department 12	Project 12	Manager 12	Status 12
Area 13	Department 13	Project 13	Manager 13	Status 13
Area 14	Department 14	Project 14	Manager 14	Status 14
Area 15	Department 15	Project 15	Manager 15	Status 15
Area 16	Department 16	Project 16	Manager 16	Status 16
Area 17	Department 17	Project 17	Manager 17	Status 17
Area 18	Department 18	Project 18	Manager 18	Status 18
Area 19	Department 19	Project 19	Manager 19	Status 19
Area 20	Department 20	Project 20	Manager 20	Status 20
Area 21	Department 21	Project 21	Manager 21	Status 21
Area 22	Department 22	Project 22	Manager 22	Status 22
Area 23	Department 23	Project 23	Manager 23	Status 23
Area 24	Department 24	Project 24	Manager 24	Status 24
Area 25	Department 25	Project 25	Manager 25	Status 25
Area 26	Department 26	Project 26	Manager 26	Status 26
Area 27	Department 27	Project 27	Manager 27	Status 27
Area 28	Department 28	Project 28	Manager 28	Status 28
Area 29	Department 29	Project 29	Manager 29	Status 29
Area 30	Department 30	Project 30	Manager 30	Status 30
Area 31	Department 31	Project 31	Manager 31	Status 31
Area 32	Department 32	Project 32	Manager 32	Status 32
Area 33	Department 33	Project 33	Manager 33	Status 33
Area 34	Department 34	Project 34	Manager 34	Status 34
Area 35	Department 35	Project 35	Manager 35	Status 35
Area 36	Department 36	Project 36	Manager 36	Status 36
Area 37	Department 37	Project 37	Manager 37	Status 37
Area 38	Department 38	Project 38	Manager 38	Status 38
Area 39	Department 39	Project 39	Manager 39	Status 39
Area 40	Department 40	Project 40	Manager 40	Status 40
Area 41	Department 41	Project 41	Manager 41	Status 41
Area 42	Department 42	Project 42	Manager 42	Status 42
Area 43	Department 43	Project 43	Manager 43	Status 43
Area 44	Department 44	Project 44	Manager 44	Status 44
Area 45	Department 45	Project 45	Manager 45	Status 45
Area 46	Department 46	Project 46	Manager 46	Status 46
Area 47	Department 47	Project 47	Manager 47	Status 47
Area 48	Department 48	Project 48	Manager 48	Status 48
Area 49	Department 49	Project 49	Manager 49	Status 49
Area 50	Department 50	Project 50	Manager 50	Status 50

REMARKS

DATE INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I CERTIFY THAT THIS ~~AIRCRAFT~~ WAS
INSPECTED IN ACCORDANCE WITH A

Time Since Last Landing 140.99

100 Hrs INSPECTION & WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

TACK READS 110.3

DATE 8-1-65

A & P ~~Blair T. Tuley~~ NO. 1503626I certify that this aircraft has been inspected
in accordance with a ~~100 hr~~ inspection
required by ~~the~~ ~~FAA~~ ~~in~~ ~~the~~ ~~airworthy~~ condition 4-12-65

Signature of Inspector

Inspector's Name

REMARKS

DATE INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

5-14-65

Installed Radio equipment as per J32 dated
5-14-64,
5-14-65

The component identified above was repaired
and inspected in accordance with current Civil
Air Regulations and was found airworthy for
return to service. Pertinent details of the repair
are on file at this agency under work order No.
shown on reverse side.

Signed

663
Larry Davenport

INTERNATIONAL AVIONICS CO.

9011 RANDOLPH ST.

HOUSTON, TEXAS 77017

FAA REF. STAT. 2152

The component identified above was repaired
and inspected in accordance with current Civil
Air Regulations and was found airworthy for
return to service. Pertinent details of the repair
are on file at this agency under work order No.
shown on reverse side.

Signed

New entry w.t. 1650.67

REMARKS

DATE

5-15-65

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

Complied with service letter #20-127
E.R. Diemer, E.R. Diemer (owner)

7-7-65 Installed New Cluster Gauge unit
Serial #2549K. New gear warning horn
installed. Tach 224.30

Dugosh Aircraft Serv. Co. Inc.

P. O. BOX 931 PHONE CL 7-7230

KERRVILLE MUNICIPAL AIRPORT

KERRVILLE, TEXAS

Charlie L. Dugosh
ADP 460254

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
7/10/65	100 HR Inspection Completed This Date
	BEARINGS CLEANED & REPLACED, CHECKED ALL CONTROL BEARINGS & RODS
	This AIRCRAFT WAS FOUND TO BE IN AIRWORTHY CONDITION
	Rich Hoff A/E 172493
	Tach Reads 230:23

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

Oct 15 1965 335.20

Parts replaced on nose shock
Strut

4 3 CRB 74 Shocks

1 540005-3 Shock Link

1 540001 Tie Rod

1 AN 7-50 Bolt

Rechecked torque limits
and adjusted linkageM. J. G. Mullatt
A-P 461 258Oct. 16 65. Service Letter 20-128 completed with by
(Tech. 336.79) Owner E. R. Verner

FLIGHT LOG

[illegible]

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

5 Feb 66 Checked Batt 1420, Brake Fluid; Restriction
 Test Greased bearings, Greased all push-pull
 bearings. All insp plates removed, ALC insp
 plates Re installed. T.T. 430.19

I Certify This ALC has been insp in Acc
 with a 100 hr insp, AND determined to be in
 AN Airworthy Condition.

Verlin H. Coleman

ASP 1587530

8 Feb Ground Check for OMM Tolerance
 VOT determined to be in Tolerance for
 #1 & #2 CDI's tach. 432.97 E. R. Johnson
 279.6 hr a/c (owner)

FLIGHT LOG

[illegible]

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

11/11/66 Checked batt Hvy brope fluid, Greased, bearings
 Greased Gears, Retraction Test performed
 Checked all push pull Rods.
 I certify this AK has been insp after
 100 hr insp and found to be in Air Air
 Worthy Condition T.T. 522.66
 Verlin H Coleman A.S.P 1587530

10/6/66 installed modified Air scoop to Cabin fresh
 Air, installed Pilot Cover.
 ✓ Coleman A.S.P 1587530 568.23

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.		REMARKS		
30 July 66	Checked both H ₂ O, Greased wheel bearings performed Log Gear Check, Checked a/c alt. Control Push Pull rods, Greased Log Gear									
I Certify This A/C has been insp in Acc. With a 100 hr insp and found to be in an Airworthy Condition.										
T.T. 623.0										
Verlin H Calmer AEP 1582530										

REMARKS

TE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

2-1-66 Retraction Test performed, Replaced
Nose wheel tire. Replaced Nose Gear
Shocks, Checked battery, Chd. brake Fluid
Replaced Seat Covers Front Seats, Repl
Carpet in Cabin.

Complied with G.L. 20-123 (MORRIS)
I Certify This Alc Has been insp IAW
100 Hr insp AND found to be in an
Airworthy Condition Total Time 723.26
Verlin H. Coleman REP 1587530

1-2-67 Ground checked for OMMI Tolerance
VOT determined to be in tolerance for exp. Sign
1 & # 2 CDI's Tach. 757.13 (over)

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Days	TIME OF FLIGHT Up Down	TIME IN AIR Hours Mins	Miles Flown	REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
13 MAY 67	Replaced broken rotating beacon, 1st position Light Flasher under Lt Hand inst panel, inst filters vacuumed, Value Both Gyros, Max Camp inst above rot Beck, inst. Vib Hr meter, No signif. wt balance Change, Checked Batt. Cleaned el screen & contraction Test, Greased bearings, oiled all push pull Rods, insp all control surfaces.							
	Ins. A/C INSP				1A/10	Q 100 Hr INSP and found to be in air worthy condition	Verlin A. Coleman	
TOTALS FORWARD					158	530	T.T.	823.0
TOTALS TO DATE								

REMARKS

DATE

INSPECTION ~~ON~~ MAINTENANCE - REPAIRS - ALTERATIONS

all wing boxes Treated with mil spec C-23411

7/10/67

Replaced brake linings, Rotated tires Greased
 bearings Greased Gear, Retraction OK OK, Replaced
 rollers on seat Adjusted Nose Gear, Zinc Chromated
 Retractor Tabs in wheel well Freed Turn buckle on
 step Retraction mech. all push pull Rods Lab Clean
 cabin Lab Flight Control, etc. bath H₂O

I Certify this A/C has been insp in Aldw a 100 hr
 insp and found to be in an air worthy
 condition TT. 893.68

Verlin D Coleman

A&P 1587530

Summary

Summary - Summary - Summary - Summary

July 67

By a back cover for A.D. notes
 The A.D. notes are in the

with the following information
 is contained in a separate folder and
 are also used in the other folders.

11 July 67

11 July 67
 11 July 67

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
20 DEC 1967	TACK						964.74			
	REPLACED OUTER LEFT WING AND AILERON									
	PARTS 220000-15 OUTER WING ASSY									
	230000-1 AILERON									
	220000-141 SKIN									
	0000065 KIT HARDWARE OUTER WING									
	WORK IN ACCORDANCE WITH MOONEY MANUALS									
	AND INSTRUCTIONS AIRCRAFT NOT TEST									
	FLOWN. NO OTHER WORK OR INSPECTIONS									
	ACCOMPLISHED.									
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DIRECTION — HANDWRITING — SPACES — ALPHABET

APPROVED FOR

On 12-12-1917, letter received, identified above was
 received and forwarded to someone with correct
 name, relation, telephone, and was found after
 very few days to service.

Working details of the same are on file at this
 office under letter 12-12-17.

12-12-17
 J. H. Palmer

12-12-17, 1917
 12-12-17, 1917

12-12-17, 1917, 12-12-17, 1917

NEW TACH

FLIGHT LOG

New Tach

DATE	NATURE OF FLIGHT	No. of Pass	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.		REMARKS		
30 Apr 68	New Tach							1st old T.T. 971.5 New T.T. 21.8		
								Replaced Cig. Ltr Fuse Replaced Elect Turn & Bank Ind. Replaced T.C.C. Cable. Compl. with Master Ltr.		
(Decal Gear Down)	→ M 20-167							Replaced Cabin Dr Lock Repaired Lock Luggage & Dr. seat Sealed windshield lower edge.		
								I certifi This A/C has been insp 11APW		
								Q 100 hr insp on board To be in an		
								airworthy condition.		
								Verlin H Calerman A&P 1589330		
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE

June 68 - Temp inst. of Extra ALF. beside
 Magnetic Compass: (Col 6 1/4) FAR 91-170 to 2000 ft.
 Verlin Coleman A&P 1587530
 6/68 Installed static port S/S. For Center ALF. used
 Model Hardware. Installed spare wire from
 inst. panel to tail Camp. used Clamps on
 existing wire bundle. Replaced L.T. Mark. Time
 in sp. wheel & prop. S.B. N20-158 No APP.
 Verlin A Coleman A&P 1587530 (alt. station)
 T.J. 63.47 Decal

FLIGHT LOG

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[illegible]

T.T. 316. Eng O/H.

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

5/71, Converted Rope Gear to Lord Mt.
Kist INST. including doors & shocks
per improved S/B Jan 20-139
Verlin H Coleman A & P 1587530

6/71 - Installed Rajay Turboprop LG
IO-360 eng. 1/1414 F-A A Sealed Drawing
List # RJ04100 per STC SA1411 141EJ
ok. May 11, 1967

Verlin H Coleman A & P 1587530

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
Feb	20, 86	562.2 HRS			Performed retract test, checked push pull tube end bearings, cleaned fuel filters, all linkages & controls checked.	
I HEREBY CERTIFY THAT THIS AIRCRAFT..... HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL.. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Wm D Raymond AIP 202356 JA						

CARRY TOTAL TIME TO TOP OF NEXT PAGE

DVE @
366 in
new table

2

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
7	16	88	TACH 648.6			
1			ELC BAT Exp DATE 3/89		I Certify That This Aircraft	
2			C.W. AD. 73-21-01 BY Insp and		Has Been Inspected In Accordance	
			Lube OF FT (on) and LDC GEAR		With A. Ann... Inspection And	
3			REPLACED LT BRAKE PADS		Was Found To Be In A Airworthy	
4			C.W. AD. 77-12-06 BY Insp OF PROP BY VALLEY PROP.		Condition. J. B. 3.623152151	
			SAUG 88 - TACH 669.3 HRS. - INSTALLED OVERHAUL HARTZELL			
			PROP. Paul v. Hoff 10/11/94 764			
			BRANDFORD FLYING SERVICE			
			NAPA CA 94558			
			AIR REGISTRATION #1533			
			(9-1-95 see current prop log for tag & related info. KRUEGER AV			
			C. Krueger			
			CARRY TOTAL TIME TO TOP OF NEXT PAGE			
			# KRGR153K			

AIRCRAFT LOG

YEAR	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS	
MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
		Installed ACK 30 encoder in AIC SIN 9393 1 chnl. 1-6-89 TRANSPONDER KT-79 SIN N/A 1046 <i>[Signature]</i> HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX E OF PART 43 IN ACCORD- ANCE WITH F.A.R. 91.172. Date <u>1-6-89</u> w/o # <u>5599</u> Signed <u><i>[Signature]</i></u>
		TILMETER/STATIC AND ALTITUDE REPORTING T SYSTEM HAS BEEN TESTED AND INS APPENDIX E AND F OF PART 43, AS RE F.A.R. 91.171 CALIBRATED TO <u>20,000</u> Date <u>1-6-89</u> Signed <u><i>[Signature]</i></u>
		THE MAINTENANCE OR ALTERATION OF THE ARTICLE IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
10-	89	740.39				
Replaced Tach 0.00 8-7-89 775.81 OLD READING LAKE AERO STYLING & REPAIR LAMPSON FIELD - P.O. BOX 545 LAKEPORT, CA 95453 - (707) 263-0412 F.A.A. APPROVED REPAIR STATION #412-33 <i>Paul E. Lou</i>						
TT. 1725.51 SMOH. 460 since bought - 127 SPOH: 106.5						
ARTER AIRCRAFT SUPPLIES, INC. 24308 S. Daylark Dr. Carlsby, OR 97013 (503) 256-2059 800-547-8901 LOG BOOK ENTRY E.L.T. BATTERY REPLACEMENT DATE <i>Sept 91</i>						

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
		100 H₂ Insp Completed. Applicable AD Notes then 89-8 Complied with. I certify this AIRCRAFT has been inspected in accordance with <u>ANNUAL</u> inspection and found to be in airworthy condition. <u>H. Mahaffey 1213046 IA</u>
3-8-90		REPLACED IGNITION SW WITH NEW CONTINENTAL SW. WHEEL WELL LINERS & BRAKE ROTATION INSTALLED AS PER STC SA4443NM. RUDDER ELEVATOR HINGE COVERS ALLOW LEAK GAP SEALS. FLAP GAP SEALS - AS PER STC^{SA} 4443NM. COWL CLOSURE FAIRING AS PER STC SA4555NM. WEIGHT CHANGE Negligible <u>H. Mahaffey 1213046 IA</u>

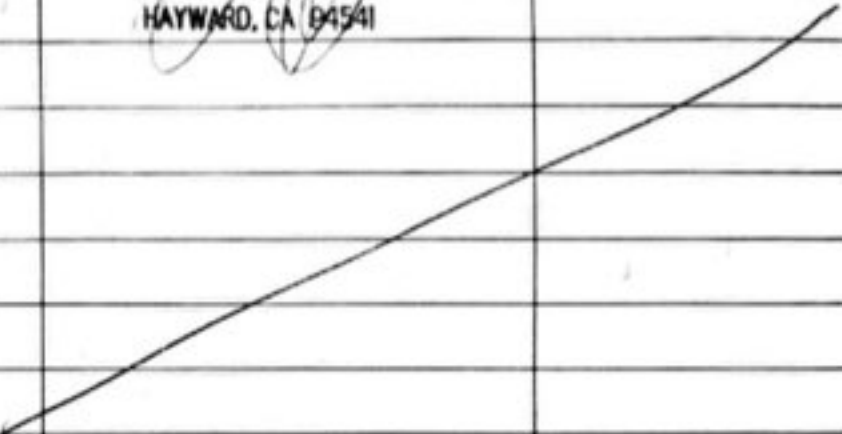
INSPECTIONS ARE DUE EVERY 12 CALENDAR MONTHS

AIRCRAFT LOG

[illegible]

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR	RECORDING TACH.	TIME THIS	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY	FLIGHT	PORTING		
5/13/91	RECEIVED AND ALTIMETER EQUIPMENT SYSTEMS HAVE BEEN TESTED AND INSPECTED PER APPENDICES E AND F OF PART 43, AS REQUIRED BY FAR 91.411			TRANSPONDER(S) HAVE BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX E OF PART 43 I.A.W. FAR 91.413	
	CALIBRATED TO 20,000 ft.			DATE 5/14/91 7146	
	DATE 5/14/91 SIGNED [Signature] J&R ELECTRONICS, FAA PRS #XB3R65L 20511 SKYWEST DR. HAYWARD, CA 94541			SIGNED [Signature] J&R ELECTRONICS, FAA PRS #XB3R65L 20511 SKYWEST DR. HAYWARD, CA 94541	
THE MAINTENANCE OR ALTERATION OF THE ARTICLE IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.					

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR 91-92		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
MO.	DAY	Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
7	17	100 Hr Insp COMPLETED USING MOONEY Insp GUIDE. Applicable AD NOTES THRU. 91-13 COMPLIED WITH I certify this <u>AIRCRAFT</u> has been inspected in accordance with <u>ANNUAL</u> inspection and found to be in airworthy condition. H Mahaffey 12130-16 IA
		* 73-21-01 BY LUBING (DUE 251 HRS.)
		75-04-09 BY INSP (DUE 251 HRS.)
		82-27-03 BY INSP (DUE 351 HRS.)
		81-19-04 HOSE REPLACEMENT (DUE 97)
01	02	COMPLIED WITH SERVICE BULLETIN M20-208B PER INSTRUCTIONS. CHECKED TUBULAR STRUCTURE AND (CONT.)

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

[illegible]

CARRY TOTAL TIME TO TOP OF STAIRS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
6/3/98		223.4			Annual Insp: ELT test Expires 10-78; R/R hit Filter, V1C6 Bore/Flare, O-ring L-rings; C/R ID's 87-06-09 NAL, P/W; 77-17-04 R/L, insp, 73-21-01 L/R lube & insp, 76-07-12 R/L insp, 85-24-03 (6) L/R chg "O" rings, 75-07-08 L/R insp, 75-04-09 Due. Tech 251, Turbo Due T 351.	
		I certify that this <u>AIRPLANE</u>		Pertinent details of the repair/work are on		
		has been inspected in accordance		file at this repair station in Work Order <u>92-178</u>		
		with <u>FAA</u> inspection and was		F.A.A. APPROVED REPAIR STATION NT3R722L		
		determined to be in airworthy condition.		LAKE AERO STYLING & REPAIR		
		Date: <u>6/3/98</u>		LAMPSON FIELD - P.O. BOX 545		
		Total Time: <u>223.4</u>		ROOST, GA 30453 - (707) 263-0412		
				<u>Paul E. Lowe</u>		

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR 92		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
10	16	Re-seal left fuel tank I.C.W. manufacturers maintenance manual - AD. 65-24-02 and S.B. m20-230. Walt Mone
APR	29 1993	AP 2148932
TACK	336.22	1- REPLACE STARTER BENDIX P/N ESEBB75A AND CASE BUSHING P/N MZ 298.
		2- REPLACE ALCOR EGT with Electronics INTERNATIONAL mod. SR8-6 NO W/B CHANGE
		Anchor Smith AP 269528977

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR MO. DAY	RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
5-22-93	Tach	355.1	TT	2080.6 Remove & replace right main gear spring LIN 916004-000. Star Center AEP485546694.	
7-16-93		1		C/W AD 75-9-8 motor mount By insp	
TACH	382.7	2		C/W AD 73-21-1 By Lupe And insp.	
TT	2108.18	3		C/W AD 84-26-2 Air Filter By insp	
		4		LUBE A/C	
		5		Replace engine baffling	
		6		ELT DUE 10-93	
		7		RTK oil cooler See yellow tag	
		8		C/W 82-27-03 turbo insp DUE 582.7	

ARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
		I certify that this (aircraft) (engine) has been inspected in accordance with a 100 hr. inspection and was determined to be in air-worthy condition. AP 269529-77 Signed <i>Michael H. Miller</i> Tack time 352.7 Total time 2108.15 W.O. No. 9291 Date 7-16-92 I certify that this (aircraft) (engine) has been inspected in accordance with a Annual inspection and was determined to be in air-worthy condition. Signed <i>John H. Miller</i> 104082247AT Tack time 382.7 Total time 2108.72 W.O. No. 0291 Date 7-16-92

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
I CERTIFY THAT ATC TRANSPONDER TESTS & INSPECTIONS REQUIRED BY FAR 91.413 WERE PERFORMED IN ACCORDANCE WITH FAR 91.413						
Signature: <u>[Signature]</u>						
Date: <u>22 JUL 93</u>						
NORTHCOAST SERVICES CRS AR3095L						
8-25-93						
TACK 397.95					Relocate oil cooler as per STC S42513NM. See w/B Changes This date	
					<u>[Signature]</u>	
					AP 269528977IA	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR 94

MO. DAY

DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS

Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.

5	3
---	---

Replaced EHT battery / Larry Flint



7-15-94

TAC/K 481.01

Remove engine for overhaul
by Lycon work order A 8936.

6-21-94 Lycoming IO-360-A1A

Ser L-847-51M And reinstall.

Power Section Only NO Accessories

overhauled AT this time

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
8-	10-	94		1	Lube Aircraft	
TACK		500.26		2	q/w AD 73-21-01	Due 600.26
IT		2225.76		3	o/w AD 75-9-8	Due 600.26
				4	AD 77-17-4	Due 723.4
				5	q/w AD 84-26-2	Due 600.26 -
					Replace Filter	723.4
				6	AD 81-19-4 replace hoses due	7-96
				7	q/w AD 82-27-3	Due 700.26
				8	See AD Listing this DATE for other AD's	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.	
MO. DAY		

I certify that this aircraft ~~engine~~ has been
inspected in accordance with an ANNUAL...
inspection and was determined to be in air-
worthy condition. AP 269528977 IA

SPOH 606.76

Prop AD 77-12-86

Signed M. H. Smith

c/w H-16-88 by

Tack time 509.26. Total time 222.529

W.O. No. 1164 Date 8-12-94

Valley Prop

I CERTIFY THAT THE ALTIMETER STATIC SYS-
TEM & ALTITUDE REPORTING TESTS ADD BY
FAR 91.411 & THE TRANSPONDER TESTS ADD
BY FAR 91.413 HAVE BEEN PERFORMED
ALTIMETER TESTED TO 2000 FT.

IAW FAR 43 APP E-ON 3 AUG 94
SIGNATURE Smith DATE 2 AUG 94

NORTHCOAST SERVICES CRS WR39855

Date 2 AUG 94
Tested by J. Smith

Altimeter Reads	ADD
-1000	-
0	+5
500	-
1000	+10
1500	+10
2000	+15
3000	-
4000	-10
6000	-
8000	-
10000	+10

ALTITUDE

SCALE COF

----- DSS MICROVIB BALANCE HISTORY # 1 -----

DATE: 9-14-94 A/C MODEL: M-20E TAIL #: N7191U ENG MODEL: 1

RUN	TYPE	RPM	VIB LEVEL	PHASE	WT1	LOC1	WT2	LOC2	SENS	TA
1	L	2370.1	0.320 IN/S	315.9	23.3	270	0.00	0	80.0	3
2		2329.8	0.164 IN/S	248.4	12.8	8	0.00	0	78.1	2
3	L	2316.1	0.120 IN/S	134.4	8.50	120	0.00	0	78.1	2
4	S	2331.5	0.111 IN/S	308.9	-4.21	270	-4.44	120	36.8	2
5	S	2273.5	0.107 IN/S	345.2	4.32	270	0.454	120	36.8	2

MECHANIC SIGNATURE:

Jim Stodd

556 319822

ENG TIME: 7

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR	MO.	DAY	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
			Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
12	2	94	1- replace turbo charger with OH unit
TACH	549.92		See yellow TAG RJ0326-1 Ser 699
			2- replace Air box RJ 4107-0
			3- rig and adj waste gate
			4- clean and gap plugs
			Michael Mable AP269525917
6-2	95	Tach 592.74	* R-R Electric Aux Fuel pump for O.H.
			(see tag George electric) leak & pack good
			* Signature  Eric Krueger
			Krueger Aviation, Inc. CRS# KKGR153K. WO# 1034

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
9-1-95	1	629.74			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION	* R-R stall Horn, su. With used servable ops ck good
		Ad #11 2355.26			* Due for ELT IAW FAR 91.207d Next due 12 month	* Cw AD 73-21-01 hoke system per AD
					* ELT Bott Due May-96	* Replace Brake Linings
					* FAR 91.411 & 413 due 8-96	Both MLG's
					* Replace Heater Antifreeze	* Replace Vac Pump Filter
					* Install Bracket Antifreeze IAW	* See ADs in left hand
					SEC SA 71 GL, see 337 9-01-95	brides
					Signature	En. Krueger
					Krueger Aviation, Inc.	CRS# KRGR153K WDP 1071

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
6-	1-96		1		Replace ELT with model/AK-450 S/N 4503550. Unit C/w TSO-C91a RTCA DO-183 And DO-160c Requirements	
JACK	710.0		2		INSTALL PS engineering Pm1000II in co-pilot's Panel See 337 Form.	
TT	2435.5		3		See weight and balance This date for changes.	
					<i>[Signature]</i> AP 269528977	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS
MO.	DAY	
		Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
11-11-96		1 Lube AF
TAC 770.3		2 inspect ELT IAW FAR 91.207(D) 1,2,3,4
TT 2495.8		3 Replace ELT BATTERYs next ANN VAL
		4 Replace rivets in MLG door, hinges
		5 Check gear down lock tension, All in limits
		6 Pack wheel bearings
		7 Pressure check exhaust system
		8 %w AD 73-21-01 by insp and lube Due 870.1
		9 %w AD 75-09-08 by insp Due 870.1
		10 %w AD 77-17-04 by dye ck Due 1270.1
		11 %w AD 93-02-05 by insp Due 870.1
		next page

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
12	18	97	1 -	Lube	A/C	
TACK	8	22.0	2 -	Pressure check	exhaust system	
TT	25	47.5	3 -	Replace brake pads	L + R	
			4 -	Retract gear and check down lock	tension per Mooney manual	
			5 -	Inspect ELT IAW FAR 91.207(d)	1234	
			6 -	Replace ELT batteries	Due 12-98	
			7 -	% AD 73-21-01 by insp and lube	due 922.0	
			8 -	% AD 75-9-8 by insp	due 922.0	
			9 -	AD 77-17-4	due 1270.1	
			10 -	% AD 76-7-12 by OPS ck	due 922.0	
					next page	

CARRY TOTAL TIME TO TOP OF NEXT PAGE

AIRCRAFT LOG

Date and Time	DESCRIPTION OF INSPECTIONS, REPAIRS AND ADJUSTMENTS Exhausted inspection of engine functioning, repair and/or adjustment of engine and engine parts, including oil, fuel, etc.
11. A.D. 81-12-1	1000 Engines overhauled. 400 10/200
12. A.D. 81-12-3	400 1000 400 1000
13. A.D. 81-12-5	400 1000 400 1000
14. A.D. 81-12-6	400 1000 400 1000
15. A.D. 81-12-7	400 1000 400 1000
16. A.D. 81-12-8	400 1000 400 1000
17. A.D. 81-12-9	400 1000 400 1000
18. A.D. 81-12-10	400 1000 400 1000
19. A.D. 81-12-11	400 1000 400 1000
20. A.D. 81-12-12	400 1000 400 1000

I certify that this aircraft is in good condition and is fit for service.

Signature: _____
Name: _____
Title: _____

AIRCRAFT LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
2/8/99		1 Lube A/C
TACK 851.7		2 Pressure check exhaust system
TT 2577.2		3 Change Air Filter
		4 9w AD 73-21-1 by Lube due 1/00
		5 9w AD 75-9-8 by insp due 951.7
		6 AD 77-17-4 due 1270.1
		7 9w AD 98-24-11 IAW SB20-264 by Replacement of Aileron Links (2EA)
		8 9w AD 76-07-12 by OP's ck due 951.7
		9 AD 81-19-4 due 10/01
		10 AD 82-27-3 due 970.1
		Next Page

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRCRAFT LOG

YEAR		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY					
11					See AD Listing this date for other AD Compliance	
12					Retract gear and check down lock tension	
13					Inspect EAT IAW FAR 91.207(d) 1,2,3,4	
I certify that this (aircraft/engine) has been inspected in accordance with a <u>ANNEX</u> inspection and was determined to be in air- worthy condition. <u>AP 269528147</u>						
Signed <u>[Signature]</u>						
Tack time <u>5:17</u> Total time <u>25:77.2</u>						
W.O. No. <u>1353</u> Date <u>2-8-11</u>						

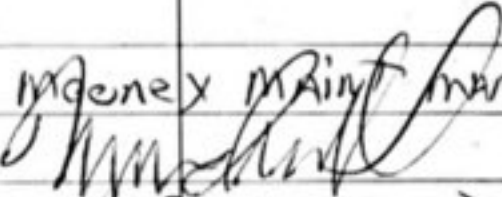
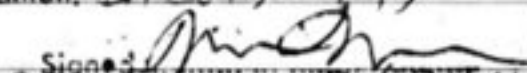
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AIRCRAFT LOG

YEAR		DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATIONS Certificated mechanics or repair facilities must endorse all inspections and repairs with name, rating & Cert. No.
MO.	DAY	
5	1/00	1 - Lube A/C
		TACK 898.9 2 - inspect ELT IAW FAR 91.207(d)
		3 - ELT BATT due 1/01
		4 - Change Air Filter
		5 - Pressure check exhaust system
		6 - %w AD 73-21-1 by ^{Lube} Insp due 5/01
		7 - %w AD 75-9-8 by insp due 998.9
		8 - %w AD 76-7-12 by op's ck 998.9
		9 AD 77-17-4 due 1270.1
		10 AD 81-19-4 due 10/01
		11 AD 82-27-3 due 970.1
		next Page

INSPECTIONS ARE DUE EVERY 12 CALENDER MONTHS

AIRWORTHINESS DIRECTIVES

A.D. NO.	METHOD OF COMPLIANCE	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
12	For other AD compliance see AD listing this date		
13	All work done IAW main structures MANUALS		
14	RETRACT GEAR IAW I certify that this (aircraft) (engine) has been inspected in accordance with a MANUAL inspection and was determined to be in air- worthy condition. <u>IA 269528977</u>		agency main manual  <u>AP 269528977 IA</u>
	Signed  Took time <u>898.4</u> Total time <u>2624.4</u> W.O. No. <u>134</u> Date <u>5-1-90</u>		

AIRWORTHINESS DIRECTIVES

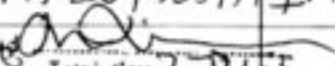
A.D. NO.	METHOD OF COMPLIANCE	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
-4-02	1 Lube A/C		
TACK	2 Replace ELT BATTERYS due 1/04		
966.0	3 Inspect ELT IAW FAR 91.207 (d)		
2721.5 TT	4 Retract gear And check downlock		
	tension Rigging within Limits		
	5 Replace engine Air Filter		
	6 Replace NLG bearings and races		
	7 Replace Gyro Filters		
	8 Reseal both Fuel tanks IAW AD		
	85-24-3 And SR m20-230 And manufacturer		
	Service manual		

NEXT PAGE

AIRWORTHINESS DIRECTIVES

A.D. NO.	METHOD OF COMPLIANCE	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
9	C/w AD 73-21-1 IAW SB 20-155 And SB 20-35A due 1/03		
10	C/w AD 75-9-8 IAW SB 20-192 due 1066,7		
11	AD 77-17-4 due 1270,1		
12	C/w AD 76-7-12 by op's ck due 1066,7		
13	AD 82-27-3 due 1101,7		
14	C/w AD 81-19-4 by replacement of All hoses in engine compartment next due 1/07 5 years		
	Next Page		

AIRWORTHINESS DIRECTIVES

A.D. NO.	METHOD OF COMPLIANCE	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
15	See AD Listing this date For other AD Compliance		
16	All work done IAW Mooney Service MANUAL		
17	inspect All STC'S For Airworthiness I certify that this aircraft has been inspected in accordance with the AD instruction and was found to be in air- worthy condition. AP 269528977 IA Signed  Task time <u>9:45</u> Total time <u>2:15</u> W.O. No. _____ Date <u>1-4-02</u>		 AP 269528977

PERIODIC INSPECTION COMPLIANCE



AIRFRAME ENTRY

DARRELL TUNNELL CO.
HANGER # 19
VISALIA, CA.

DATE: 11-22-2002 MODEL: M-20-E

ACTT: 2759.83

TACH: 1004.33

REG: N7191U

S/N: 409

- 1 PERFORM 100 HR / ANNUAL INSPECTION.
- 2 CW AD 73-21-01 BY INSPECTION AND LUBRICATION OF LANDING GEAR ROD ENDS AND BEARINGS.
- 3 CW AD 75-09-08 BY INSPECTION OF ENGINE MOUNT.
- 4 CW AD 77-17-04 BY INSPECTION OF CONTROL WHEEL SHAFT.
- 5 INSTALL NEW SIDE GLASS FROM AMERICAN AVIATION.
- 6 INSTALL PROP GOVERNOR P/N A210315-R (SEE ATTACHED 337 FORM)
- 7 INSPECT ELT IN ACCORDANCE WITH FAR 91.207D. (BATTERY DUE 1-2004)
- 6 WASH EXTERIOR & CLEAN INTERIOR.

ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND CW OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS AIRFRAME WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

T.C.M LINK FBO

NO. 124

PERTINENT DETAILS ON FILE:

INSPECTOR IA 551726118 AF

PERIODIC INSPECTION COMPLIANCE

CERTIFICATION	TOTAL TIME	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
7/9/04 1- Lube A/C			
TACH 1076.5 2- Replace ELT	BATTERYs	due 6/06	
TT 2832.0 TT 3- Inspect ELT	IAW	FAR 91207(d)	
4- Repair loose wire	on	APU Relay	
5- Replace Throttle gear	warning switch		
And Rig P/N V3-1			
6- Replace SEAT TRACK Roller		Right rear	
Pilots SEAT P/N 140004-000			
7- Replace engine Air Filter			
Next Page			

WEIGHT AND BALANCE DATA

[illegible]

WEIGHT AND BALANCE DATA

AIRPLANE EMPT. WT.	E. C. G.	NORMAL USEFUL LOAD	UTILITY USEFUL LOAD	DATE	SIGNATURE OF CERTIFICATED MECHANIC OR REPAIR FACILITY
12	Sw	AD 75-09-08 (4-30-75)	IAW	SB20-192	
	due	2932.0	TI		
13	Sw	AD 76-07-12 R1 (8-30-77)	by OP'S CK	IAW	
	PARA 1 A thru d	due	2932.0	TI	
14	AD 82-27-03 (12-30-82)	due	2921.5	TI	
15	AD 81-19-04 (9-17-81)	Hose replacement	due		
	1/1/07				
16	See AD Listing	for other	AD Compliance		
			next PAGE		

REPAIR AND ALTERATION FORMS

DESCRIBE BRIEFLY REPAIR ALTERATIONS FORM FAA-337 or MAINTENANCE RELEASE	DATE	MECHANIC, REPAIR STATION OR MFGS. NAME - CERTIFICATION NUMBER
17- All work done IAW Mooney Service Manual		
18- block 8 of 337 Forms checked for Instructions for continued Airworthiness		
I certify that this (aircraft) has ^{has} been inspected in accordance with a <u>Annual</u> inspection and was determined to be in air- worthy condition. <u>AP269526977 IA</u>		
Signed <u>[Signature]</u> Task time <u>1076.5</u> Total time <u>2832.0</u> W.O. No. _____ Date <u>7/9/04</u>		

REPAIR AND ALTERATION FORM

DESCRIBE REPAIR
FORM FAA-

6/28/2005

Replace left wing tip skin and paint see FAA form 337 dated

6/28/2005

Miller Aviation WO# 1810

Michael A Miller AP 2896211



DESCRIPTION
FORM F

1 MAR 2006

Tach 1180.0

A/C TT 2935.5

1. Perform annual / 100 hour inspection IAW Mooney M 20 E Service Manual

2. Lube A/C controls

3. Pressure check exhaust system

4. Replace alternator belt P/N 37A19773-376

5. Replace engine air filter BA-6305

6. Replace brake rotors P/N 164-009 2ea. and pads P/N 66-111 4 ea. on MLG

7. Replace MLG bearings and races P/N 13889 4 ea. and 13836 4ea.

8. Replace NLG bearings and races P/N 8125 2 ea. and 8231 2 ea.

9. Replace ELT batteries next due for replacement MAR/2008

10. Inspect ELT IAW FAR 91.207 (d) and return switch to armed position

11. C/W AD 73-21-01 (10/10/73) by visual inspection and lube IAW SB 20-155 and SB20-35A

12. due 3/1/2007 or 3035.5 A/C TT

13. C/W AD 75-09-08 (4/30/75) by visual inspection IAW SB 20-192 next due 3035.5 A/C TT

14. AD 77-17-04 (7/7/78) visual and dye inspection of control wheel shaft due 2995.8 A/C TT

15. AD 2004-25-04 (1/21/05) N/A no fuel bladders installed(wet wing)

16. C/W AD 76-07-12 R1 (8/30/77) by op's check IAW SB 583 and Para. 1 (a thru c)
next due 3035.5 A/C TT

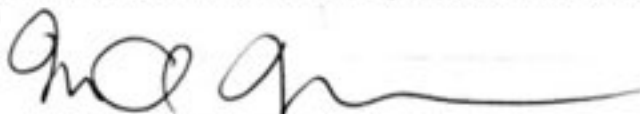
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DESCRIB
FORM F

ON

17. C/W AD 82-27-03 (12/30/82) by visual and dye pen inspection of turbo housing next due 3135.5 A/C TT
18. AD 81-19-04 (9/17/1981) oil and fuel hoses replacement next due 1/4/2007
19. See AD listing this date for other AD compliance
20. All work done IAW Manufacturers Service Manuals and FAR Part 43 Appendix D
21. Block 8 of FAA 337 forms checked for instructions for continued airworthiness
22. Miller Aviation WO# 1867
23. Michael A Miller AP 2896211 IA
24. I certify that this aircraft was inspected IAW an annual inspection and was found to be in airworthy condition



EQUIPMENT LIST

SPEC. ITEM	MFG. NO.	
4/19/07		AIR FRAME <u>100 HR</u> INSPECTION, ALL PULLEYS AND CABLES CKD, BATT. CKD AND SER., BRAKE SYS. CKD AND SER., ELECTRICAL SYS. CKD, LANDING GEAR SYS. CKD AND SER., LANDING GEAR RETRACTION CKD CW. ALL CONTROL SURFACES CKD. ALL INSPECTION COVERS R/R FOR INSPECTION OF AIRFRAME AND COMPONENTS. ELT. O/C/VAW 91207 & 43 APP.D, PAR. ELT. BATT. EXP. 3-08 A/C ROUTINE MAINT. CW.
TT 119257		
ACTE 28251.2		
		WAT R/R O/C OK, SW. rearmend.
		Trim short links and bushing replaced.
		AD73-21-1 Yw by insp. + lube
		AD75-9-8 Yw by insp.
		AD76-7-12a Yw by O/C
		AD82-27-3 due at TT 31355
		(next page)
		Standard or replacement
		Optional
		Standard or replacement

EQUIPMENT LIST

SPEC. ITEM	MFG. NO.	ITEM NAME, MAKE AND MODEL WHEN APPLICABLE	NATURE OF EQUIPMENT
		I CERTIFY THAT THIS <u>airframe</u> HAS BEEN INSPECTED IN A <u>General</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME <u>1530</u> AND DATE <u>4-19-67</u> ONLY, NO WARRANTY TO FUTURE CONDITION. A & P #1606002. IA DOUG SCHMERFELDT <i>D. Schmerfeldt</i>	Optional
			Standard or replacement
			Optional
			Standard or replacement
			Optional
			Standard or replacement
			Optional
			Standard or replacement
12/6/08	1223.42	C/W ADS 73-21-01, 75-09-05, ACT 2978.92 77-17-04, 2002-26-01, 7C-07-12R,	Optional
		I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition. Registered PP3250758JA	Standard or replacement
4/6/09	1225.75	C/W ADs 73-21-01 75-09-08	Optional
7/29/09	77-17-04	2002-26-01, 7C-07-12R,	Standard or replacement
		I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition. Registered PP3250758JA	Optional
			Standard or replacement

EQUIPMENT LIST

SPEC. ITEM	MFG. NO.	ITEM NAME, MAKE AND MODEL WHEN APPLICABLE	NATURE OF EQUIPMENT
07-05-2011	1238	Remove Panels / tail cone & cowling inspect	Optional
Tech	1238	lube cables, Chk brakes, Lube wheel bearings	Standard or replacement
ACT 11 2753			Optional
		Lube gear landing, chk control surfaces	Standard or replacement
			Optional
		Landing gear retract test reinstall	Standard or replacement
			Optional
		Remove Panels & cowling check FIT	Standard or replacement
			Optional
		IAW 91:207(d) good chk Nav-	Standard or replacement
		beacon lites and Pitot heat.	Optional
			Standard or replacement
		See W Cl 276596 A/P	Optional
			Standard or replacement
			Optional
			Standard or replacement
			Optional
			Standard or replacement

EQUIPMENT LIST

SPEC. ITEM	MFG. NO.	ITEM NAME, MAKE AND MODEL WHEN APPLICABLE	NATURE OF EQUIPMENT
Q705	2011	I certify that this aircraft has been inspected IAW an annual and was determined to be in airworthy condition at this time Sean W Cl A/P 2745966 F/A	Optional
Tech	1238		Standard or replacement
ACT	2113		Optional
			Standard or replacement
			Optional
			Standard or replacement
			Optional
			Standard or replacement
			Optional
			Standard or replacement
		AD 2002-26-01 = fuel injection lines Visual inspection Sean W Cl A/P 2745966	Optional
		AD 76-07-12 R1 = ignition switch ops chk Sean W Cl A/P 2745966	Standard or replacement
		AD 73-21-01 = main gear misstrapping corrosion Sean W Cl A/P 2745966	Optional
		AD 75-09-08 = engine mount cracks Visual inspection Sean W Cl A/P 2745966	Standard or replacement
		AD 77-17-04 Control Wheel Shaft Visual / dye pen inspection Sean W Cl A/P 2745966	Optional
			Standard or replacement

DATE

MEMORANDA

I certify that this Transponder has been tested IAW FAR 91.413 and found to meet the requirements of Appendix F of Part 43

Transponder #1: KT 79

S/N #: 3070

Transponder #2:

S/N #:

W/O #: DA 830 Date: 7 FEB 11

Insp by: [Signature]

Definitive Avionics

Phone: (360) 647-6788

4151 Mitchell Way Bellingham, WA 98226

FAA CRS# DTBR703Y

N71914

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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I certify that this altimeter, static and altitude reporting systems in this aircraft have been tested as required by FAR 91.411 and found to meet the requirements of Appendix E and F of Part 43

Altimeter tested to 80,000 feet

Altimeter #1: 5934FA-1

Altimeter #2:

Encoder P/N: A30

W/O #: DA-030 Date: 7/20/2011

Insp by: [Signature]

Definitive Avionics

4151 Mitchell Way Bellingham, WA 98226

FAA CRS# DTBR703Y

S/N: P1065

S/N:

S/N: 09393

Phone: (360) 647-6788

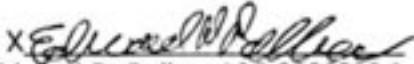
Date: 9/02/2011; Aircraft: N7191U; Type: M20E; S/N: 409; Hobbs:; Tach: 1264.20; Total Time:; Engine - Type:; S/N:; Time: TT 299.7 SMCH

Removed hardware and opened boxes on cabin frame tubing to facilitate installation of shoulder harness mounting clamps. Mounted clamps and attached shoulder harness. Replaced screws as required. Reinstalled cabin interior window surrounds. Removed front seats. Removed and replaced seat belts. Reinstalled cabin seats. Vacuum cleaned cabin carpet and floor. Removed and replaced nose gear tire and tube. Removed cleaned and repacked wheel bearings. Removed baggage door strut and straightend. Reinstalled with new hardware.

Approved by [Signature]
Certificate Airframe 703Y

Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

YEAR: 2011	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
11/14				<i>η should be 1283.7 based upon 8-1-12 entry and 9-2-11 entry</i> Date: 2/04/2012; Aircraft: N7191U; Type: M20E; S/N: 409; Hobbs: Tach: 1383.70; Total Time: 3009.20; Engine - Type: , S/N: , Time: 802.70 Drained remaining fuel from right hand fuel tank and inspected tank with inspection mirror and by removing access panels as required. Found fuel tank has red sloshing compound type sealant in entire tank. No loose sealant found at this time. Fuel tank access panels are bonded in place with heavy layer of fuel tank sealant and will take large amount of time to remove. fuel leak appears to be leaking from front spar flange and in aft corner at wing root to leading edge at wing root. Review of log book indicates left wing tank was inspected and repaired previously. LEAK WITH MAINTENANCE MANUAL LEAKS AT THIS TIME Approved by: <i>[Signature]</i> Certificate: <i>AT-88761708</i> Port Townsend Aircraft Services, LLC 191 Airport Rd, Port Townsend, WA 98368 360-385-7770

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<i>Dalbec Aviation</i> 222 Airport Blvd. Cloverdale Ca. 95425 <u>Date: 08/01/12 Tach:1314.3 TTIS:3039.8</u> Removed all inspection panels. Lubed all points. Checked and cleaned fuel screens. Replaced central and relief vacuum filters. Reclamped turbo control cable in engine compartment. Tested ELT in accordance with FAR 91.207 (d). Installed new Brackett induction air filter. Jacked and swung gear found all OK. CW AD 76-07-12-R1 Bendix mag switch ops check. OK I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.  Edward D. Dalbec A&P 2228333 I

[illegible]

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<i>Dalbec Aviation</i> 26750 Dutcher Ck. Rd. Cloverdale Ca. 95425 <u>Date: 8/01/2013 Tach: 1333.1 TTSN: 3058.6</u> Removed all insp. Panels. Lubed controls checked and cleaned fuel screens. Inspected ELT in accordance with FAR 91*207 (d) found Ok. Replace ELT Battery Next Due July 2015. Replaced central relief vac. Filter. Jacked Aircraft, swung landing gear. All OK. Checked main landing gear overcenter press. And found 270in.lbs. OK. Nose gear spring gap at .030in. and OK. Found fuel stains on bottom of right tank Inboard. Fuel tank needs to be resealed. C/W all Ads to date. All work performed I/A/W manufacturers maintenance manual. I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.  Edward D. Dalbec AP2228333 IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				I certify that the ATC Transponder Tests & Inspections required by FAR 91.413 were performed IAW FAR 43 App. F. N <u>7191U</u> Date <u>22 NOV 13</u> Time <u>1336.74</u> Signed <u>J. Stenhouse</u> Northcoast Services c/s WR3R955L
12-3-2013	TACH		1347.49	BLED AIR FROM FLAPS HYDRAULIC SYSTEM. RESEALED MAGNETIC COMPASS AND ADJUSTED COMPENSATING MAGNETS. CHECKED NOSE GEAR FOR SHIMMY AND FOUND LOW TIRE PRESSURE. Daily Munny A & P 345900

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Aircraft: N71910

Date: 08 DEC 13

I certify that the altimeter(s) and static system(s) tests required by 14 CFR 91.

transponder tests, including data correspondence, required by 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix E and F.

Altimeter S/N(s): Left: INSTALLED Right: N/A

Transponder S/N(s): Left: INSTALLED Right: N/A

System(s) inspected to 20,000 feet MSL.

Express Avionics work order: 3145

Express Avionics LLC
Phone: 623-687-1805

CRS# XXZR035Y

-1000'	-1020'	14,000'	13,950'
0'	-20'	16,000'	15,940'
500'	-480'	18,000'	17,130'
1000'	990'	20,000'	19,920'
1500'	1480'	22,000'	
2000'	1990'	25,000'	
3000'	2990'	30,000'	N/A
4000'	3980'	35,000'	
6000'	5960'	40,000'	
8000'	7940'	45,000'	
10,000'	9920'	50,000'	
12,000'	11,950'		

Altimeter S/N: INSTALLED

Date: 08 DEC 13

Work Order No: 3145

Express Avionics LLC
Phone: 623-687-1805

CRS# XXZR035Y

-14 TACH 1363.04

REPAIRED WIRING TO STALL WARNING SWITCH.
REPLACED ALL 3 LANDING GEAR SHOCK DISCS ON
NOSE GEAR. REPLACED NOSE WHEEL BEARINGS AND
BALANCED TIRE. REPAIRED BATTERY BOX AND PAINTED.
REPAIRED VENT AIR EYE BALL VENTS. REPLACED
VOLTAGE REGULATOR. INSTALLED NEW ATTITUDE
INDICATOR. REPLACED THE 2 INCH HEATER
DUCT ON THE CABIN SIDE OF THE FIREWALL.
INSTALLED A PAI 700 VERTICAL CARD COMPASS.
ALL OPERATIONAL CHECKS GOOD.

David J. Mummy
A#P 3459095

1-6-14 TACH 1363.04

DRAINED OIL AND REPLACED OIL FILTER.

CLEANED TURBO OIL FILTER. REFILLED AEROSHELL
15W50 OIL. INSTALLED A OVERHAULED ALY-8520R
ALTERNATOR. INSTALLED A REBUILT 211 CC
VACUUM PUMP. REPLACED 2 INCH HEATER DUCT
ON ENGINE SIDE OF FIREWALL. ALL
OPERATIONAL AND LEAK CHECKS GOOD.

Dan J Muncy
AIP 3459095

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				1-25-2014 TACH 1275.83 ADJUSTED VACUUM REGULATOR TO HIGH END OF RANGE, 5.4" H.G. TIGHTENED OIL FILLER TUBE. SHIMMED NOSE STEERING HORN AND TIGHTENED ALL STEERING LINKAGES. REPLACED ALL DEFROST DUCTS. RESEALED RIGHT WING, INBOARD, AFT FUEL TANK ACCESS PANEL. <i>Don J Munn</i> A3P 3459095

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				TACH 1386.67
				DATE: 9-28-2014 TT IN SERVICE: 3113.17
E.L.T. INSPECTED				AD'S CHECKED THRU: 2014-03. I CERTIFY THAT
PER F.A.R. 91.207.				THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE
				WITH AN ANNUAL INSPECTION AND WAS DETERMINED
				TO BE IN AIRWORTHY CONDITION.
				SIGNED: <u>David J. Munn</u>
				NUMBER: <u>A3P 3459095 I.A.</u>
				TIME SINCE LAST ANNUAL: 53.57
				A.D. SUMMARY AT BACK OF LOG BOOK.
				E.L.T. BATTERY EXPIRES: 7-2015.
				INSTALLED OPERATION LIMITATIONS PLACARD.
				INSTALLED PLACARDS AT FUEL FILLER CAPS.
				COMPLIED WITH A.D.'S 73-21-01, 75-09-08
				76-07-12, 81-19-04, 82-27-07, 11-26-04.
				CONTINUED

[illegible]

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				3-25-2014 TACH <u>1391.5</u> ADJUSTED AND LUBED MIXTURE CONTROL CABLE. DRESSED NICK OUT OF PROPELLER BLADE. CLEANED T.I.T. PROBE LEAD DEPOSITS AND CLEANED CONNECTIONS. ADJUSTED FLAP CONTROL CABLE AND FLAP PUMP BLEED RATE. AIRED TIRES. <i>Don J Mumroy</i> ADP 3459095

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				4-25-14 TACH 1402.01 REPAIRED BROKEN 1/8 INCH COPPER LINE TO MANIFOLD PRESSURE GAUGE. SECURED AUX. POWER RECEPTACLE AT BOTTOM LEFT INSTRUMENT PANEL. TESTED ENGINE DRIVEN FUEL PUMP AND FOUND IT TO RANGE FROM 22 TO 25 P.S.I. AT ALL POWER SETTINGS FROM IDLE TO FULL POWER. <i>Don J. Munsey</i> A&P 3459095

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				5-20-2014 TACH 1413.31 DRAINED OIL AND REPLACED OIL FILTER. CLEANED TURBO FILTER. REFILLED AERO SHELL 15W50. LEAK CHECK GOOD. <i>Dan J. Mursey</i> A3P 3459895

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				5-29-14 TACH/425.27 INSTALLED NEW FIRE SLEEVE ON HOSE FROM FUEL PUMP TO FUEL CONTROL SERVO. ALSO REPOSITIONED THE HOSE. Daryl Murray ASP 3459095

YEAR:

RECORDING
TACH
TIME

**TODAY'S
FLIGHT**

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Description of Inspections, Tests, Repairs and
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
Facility. (See back pages for other specific entries.)

DATE _____

6-26-14 TACH 1430.43
REMOVED TURBOCHARGER FOR
OVERHAUL AND REINSTALLED
TURBOCHARGER. REPLACED
#2 ROCKER COVER GASKET.
RUN UP AND LEAK CHECKS
GOOD. CYLINDER COMPRESSION;
1) 78 2) 78 3) 78 4) 77
D. O. Munn

Daryl Mumsey
A4P3459075

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				7-7-2014 TACH 1440.65 FOUND LOOSE FIELD TERMINALS AT ALTERNATOR CASE AND TIGHTENED THEM UP. ALTERNATOR OPERATIONAL CHECK GOOD. Dan J. Murrey ASP3459095

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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REG NO N7191U **CHANDLER AVIATION INC** DATE 8/14/14
 MODEL M20E **CHANDLER MUNICIPAL** WO# 51344
 S/N 409 **CHANDLER, AZ** HOBBS XXX
 ENG MOD XXXXX **(480) 732-9118** TACH 1441.4
 ENG S/N XXXXX TOTAL XXX

THE AIRCRAFT AND/OR ENGINE(S) DESCRIBED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND
 AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. ADDITIONAL DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE [Signature] AUTH. NO. 601366723 A&P

Remove manifold /fuel pressure gauge. Install overhauled gauge P/N 22469-01A
 S/N A2645. See 8130-1 dated 08/05/14 from Pacific Southwest Instruments W/O
 282008 for additional information. Ops and leak check satisfactory per Mooney
 service manual. Install new manifold hose. Leak check satisfactory.

END

[illegible]

YEAR:

DATE

N Number: N7191U
 Tach/Hobbs: 1465.4
 AFTT: 3191.0
 EngTT: 3191.0
 EngTSO: 987.3
 PropTT: 3191.0
 PropTSO: 1636.1



Hangtown Aviation

3501 Airport Rd. H34 Placerville CA, 95667
 hangtownaviation.net

Aircraft: M20E
 S/N: 409
 Engine: IO-360-A1A
 S/N: L-847-S1M
 Prop: HC-CZYK-18F
 S/N: CH10053
 DATE: 08/10/15

R&R rudder control rod, removed surface corrosion, primed and re-installed. C/W bracket Air filter ICA, replaced element. Fabricated new instrument panels using equal to or better per AC43.13, determined to be a minor alteration, installed new Mixture, Propeller, cabin heat, cabin air, and braking brake controls from McFarlane aviation. Removed post light system and installed PMA'd light rings, determined to be minor alteration. Replaced fuel cap o-rings. Replaced Johnson bar and rudder pedal boots. Repaired rear spar per SB20-217. Repaired flap actuator reservoir tubing. Greased landing gear, and repacked all wheel bearings. Replaced Transponder and DME antennas. Replaced nose gear steering horn with rebuilt from LASAR. Installed power flow exhaust system. Cleaned fuel strainer assembly and reassembled using new gasket. R&R engine mount for repairs from Loree air see work order. Repair longerons in accordance with engineering approval SA-EO-05232015. Perform Gear pre-load tests, operational checks satisfactory. C/W AD 73-21-01 (10/10/72) flight control and landing gear system per par. (a) next due Sept 1, 2016 or AFTT: 3291.0. AD 77-17-04 (07/07/78) Flight control shaft, P/C/W next due AFTT: 3539.8 C/W AD 76-07-12 (76/07/12) Ignitions switches per par. (a-c) next due AFTT: 3291.0 C/W FAR 91.207 (D)1-4, next due September 1, 2016. ELT batteries next due Dec. 2024.

"I certify this aircraft has been inspected in accordance with an annual inspection per FAR 43 and has been determined to be in an airworthy condition at this time."

A&P

3138817 IA

Brandon Braithwaite

X

YEAR

DATE

HANGTOWN AVIATION
3501 AIRPORT RD
PLACERVILLE, CA 95667

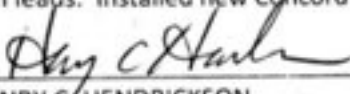
Technician or Repair

Make: M20E
S.N.: 409
Reg Nu: N7191V

Tach: 1491.2

Date: 10/29/2015

Removed leaking Brake Line. Fabricated and installed new line. Removed LH Brake Cyl.
Installed O-Rings PN: MS28775-010; -111; -112. Installed cyl and Bled Brakes. Installed
new Goodyear 6:00X6 Tires on RH & LH MLG. Tires installed with new 6:00X6 Tubes.
Drilled vent hole in breather tube. Installed new Gasket; PN: RG-72059 on Oil Filler
Tube. Secured ignition leads. Installed new Concord AXC 35 Battery.


HENRY C. HENDRICKSON

A&P1677108IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

I certify that the ATC Transponder Tests & Inspections required by FAR 91.413 were performed IAW FAR 43 App. F.

N 7191U
 Date 10 Dec 15 Time 3233.4
 Signed [Signature]
 Northcoast Services, Inc. WR3R955L

and Alterations

Artificate Number of Technician or Repair

Make: Mooney
 Model: M20E
 S/N: 409
 Reg. No.: N7191U

Aerial Avionics
2550 John Montgomery Dr.
San Jose, CA 95148

Date: 06/10/2016
 Tach Time: 1513.2



Removed 5934PA-1 Altimeter P/N 5934PA-1A.86 S/N P7065 from the aircraft and sent for outside evaluation. The 5934PA-1 Altimeter was inspected and returned to service by Mid-Continent Instruments FAA CRS OL2D061L. Reinstalled 5934PA-1 back into the aircraft. Ground functional tests satisfactory. Performed inspection of static system as required by FAR 91.411 and found to comply with App. E of Part 43. I certify that the aircraft and or component identified therein has been repaired and or inspected using current manufacturers data, and current Federal Aviation Regulations and approve said item for return to service. Details are on file at Aerial Avionics under work order 2392 Dated, June 10, 2016 Aerial Avionics FAA CRS 71AR379B signed [Signature]

YEAR: RECORDING TODAY'S TOTAL

Description of Inspection Work Performed

DATE

Mike Mooney
MODEL M20E
S/N 489
REG NO 7191U
WORK ORDER
6524-09-2016



Top Gun Aviation, Inc.

5100 S. Lindbergh St
Stockton, CA 95206 USA
Phone: 209-983-8862

DATE 10/4/2016
A/C TSN 3253 61
TACH 1528 1

Repair

Airframe Entries

(1) Completed Annual inspection IAW Mooney Service Manual... (6) CW ELT 12 month check IAW FAR 91.207. Check OK. (9) CW AD 73-21-01 Flight control and landing gear lube... (10) CW AD 76-07-12 Bendix ignition switch check. Check OK... (12) Completed equipment list... (14) Tighten nut plate on alternate air door... (28) Tightened Throttle control ball mount at the control arm and re-safed. Corrected installation of hardware for mixture control correctly... (31) Replaced nose gear leg truss and installed tow limit placard. Ops check OK... (34) Tightened hardware on nose gear retract truss... (44) Adjusted all pre loads. Ops check OK... (48) hydraulic brake reservoir serviced... (50) Rerouted seat tubing and added chafing tape around CDI Tied Mixture control cable so it is secure... (52) Bracket filter replaced... (55) Re-safed oil plug... (56) AD 12-05-09 tail attach fitting and attaching hardware IAW SB M20-313 by inspection OK no further action required

Checked all AD's thru 16-19 for applicability. I certify that this AIRCRAFT has been inspected ~~thoroughly~~ ^{thoroughly} and is airworthy with respect to the work performed.

DATE 10/4/2016

SIGNED

Mark T. Fouch, License # 14025421 IA

Work Order: 6524-09-2016

Printed by EBis 3 (datcomeda.com)

YEAR:	SPAREPARTS:	FLIGHT:	MODEL:	ADVANTAGE AVIATION	Major, Minor, Repairs and Alterations	
TACH TIME		FLIGHT	TIME IN SERVICE	Factory	Home, Flating and Certificate Number of Total (other specific entries)	
DATE	Beechcraft			Palo Alto, Calif., 94303-650-494-6516		

WO: 4172 Aircraft: N7191U Tach: 86.0 Date: 23 June 2017
 Model: Mooney M20E (1964) S/N: 409

Airframe Entry

Discrepancy Repairs:

1. Nose tire worn. Replaced worn tire and tube with new owner supplied tire and tube. Removed tire Good-Year Fit Spec II, 5.00-5.6 ply, p/n GY505C61-8, s/n off 11197674. Installed tire Good-Year Fit Custom III, 5.00-5.6 ply, p/n GY505C66-5, s/n on 50672268 with a Michelin Air Stop 5.00-5 tube, p/n 092-303-0. Inspected bearings, cones and races, races were showing minor staining but no pitting. Greased bearings and aired tire, and reinstalled onto aircraft.
2. Owner reported aircraft pulling to the side when applying brakes. Inspected main tires and brakes for condition and wear. Brake linings not worn down to minimum. Found no hydraulic fluid leaks or any obvious defects.
3. Owner reported that pilot's air vent seat hose disconnected. Reconnected air duct hose and secured with a hose clamp.
4. Owner reported JPI fuel flow indication "red X". Inspected and found FF signal wire routed and in hard contact with a lower spark plug ignition wire. Tye-wrapped wire away from ignition lead.
5. Owner reported lower flashing beacon inop. Trouble shot problem down to bad flash tube. We did not have a spare flash tube in stock. - END

I certify this airframe is approved for return to service only for the work performed and stated in this entry.

Charles Harvie A/P 3517275

Charles L Harvie

www.advantage-aviation.com

YEAR:

RECORDING

TODAY'S

TOTAL

Operation of Inspection Tests

TACH
TIME

DATE



Beechcraft

1901 Embarcadero Road,

Palo Alto, Calif. 94301 650-494-6516

WO: 4349

Aircraft: N7191U

Tach: 100.5 AFTT: (estimated 3361.6)

Date: 20 October 2017

Model: Mooney M20E (1964) S/N 409

Airframe Entry

This aircraft was delivered to our facility for an annual inspection. I was presented with only the current set of log books. I did not have access to any aircraft maintenance history for the airframe prior to 7-20-2011, for the engine prior to 6-21-1994, and for the propeller prior to 9-1-1995 and a lone yellow tag dated 9-22-1988 for a previous propeller overhaul. In reviewing the tach times and component times (TSO / TSN), as required by FAR 91.417(a)(2), in the log entries of these three log books I can say with some confidence that engine and propeller total time in service (TSN) are the same as airframe total time in service. I was also able to determine that there have been at least two (2) tach changes. The first tach replacement occurred @ 1725.5 hrs, date unknown. The second tach replacement occurred recently, some time and date between 3-10-2017 when the tach indicated 1535.6 hours, and 6-23-2017 when the tach indicated 86.0 hours. As important as a tach replacement is I could not find any entry stating the tach had been replaced with tach reading off and tach reading on. I would have thought that it was likely that the tach could have been replaced when the instrument panel was replaced 8-10-2015 @ 1465.4 hours tach, yet the hours don't start over, they continue on up to a tach reading of 1535.6, a year and 8 months later. All this means is that the airframe total time in service hours stated in this entry and the annual inspection entries are my best estimates. - END

I certify this airframe is approved for return to service only for the work performed and stated in this entry.

Charles Harvie

AIP 3517275

Charles L Harvie

www.advantage-aviation.com

Beechcraft

1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516



6516

er 2017

WO: 4349 Aircraft: N7191U Tach: 100.5 AFTT: (estimated 3361.6) Date: 20 October 2017

Model: Mooney M20E (1964) S/N: 409

Airframe Entry

C/W AD73-21-01 Rod End Bearing Lubrication - by lubrication IAW paragraph (a), next due in 12 months or 100 hrs, due October 2018 or 200.5 hrs tach whichever occurs first.

C/W AD76-07-12 Bendix Switches, by momentarily turning switch to off to verify magneto grounding, next switch inspection due in 100 hours @ 200.5 hrs tach. - END

I certify this airframe is approved for Return To Service only for the work performed and stated in this maintenance entry.

Charles Harvie A/P 3517275

www.advantage-aviation.com1 exterior of
3 wings, engine
ling gear
ng gear truss
1 fuel strainer,
Fuel Tanks,
cap o-rings,
stalled owner

supplied fuel qty sending unit in the right fuel tank, with new gasket p/n 0207011, and new fuel tank cover screws, p/n AN502-10-10. Installed ram air control cable, p/n 940088-505, using new bolt p/n S2323-11. Replaced induction air filter, p/n BA-6108. Replaced vacuum filter, p/n AA-D-9-14-5. Replaced one instrument panel mount, p/n 0413523-4. Re-installed all access panels and covers. C/W FAR 91.207(d) ELT inspect and check, no defects found. ELT battery expires Dec 2024. Note: FAR 91.411 last c/w 10-4-2016 @ 1528.1 hrs tach and is due Oct 2018. FAR 91.413 last c/w 12-10-2015 @ 3233.4 AFTT and is due Dec 2017. - END

I certify that this aircraft has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294160

www.advantage-aviation.com

RECORD
TACH
TIME

Beechcraft

1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516

WO: 4349 Aircraft: N7191U Tach: 100.5 AFTT: (estimated 3361.6) Date: 20 October 2017
Model: Mooney M20E (1964) S/N: 409

Airframe Entry

Completed Annual Inspection. Removed all airframe access panels and covers. Inspected interior and exterior of airframe, wings and empennage. Inspected all flight controls, rigging, stops, and all attach points for the wings, engine and landing gear. Inspected wheel assemblies, tires, and brakes for condition and wear. Replaced landing gear biscuits, 4 each side, p/n J-11968-14. Replaced 2 spacer plates, p/n 510047-001. Replaced nose landing gear truss bolt and bushing IAW previously installed LASAR STC / LASKIT122A. Serviced tires with air. Inspected fuel strainer, no contaminants found, reinstalled, new gasket p/n 06-00441. C/W AD85-24-03 Water Entrapment in Fuel Tanks, IAW Mooney SB-20-230 by inspection, no water entrapment found, and SB-20-229A by replacing fuel cap o-rings, p/n's MS29513-338 and MS29513-010, next inspection due every 100 hour / annual inspection. Installed owner supplied fuel qty sending unit in the right fuel tank, with new gasket p/n 52670-1, and new fuel tank cover screws, p/n AN502-10-10. Installed ram air control cable, p/n 940088-505, using new bolt p/n S2323-11. Replaced induction air filter, p/n BA-6108. Replaced vacuum filter, p/n AA-D-9-14-5. Replaced one instrument panel mount, p/n 0413523-4. Re-installed all access panels and covers. C/W FAR 91.207(d) ELT inspect and check, no defects found. ELT battery expires Dec 2024. Note: FAR 91.411 last c/w 10-4-2016 @ 1528.1 hrs tach and is due Oct 2018. FAR 91.413 last c/w 12-10-2015 @ 3233.4 AFTT and is due Dec 2017. - END

I certify that this aircraft has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294160


www.advantage-aviation.com

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair ¹⁴ Facility. (See back pages for other specific entries.)
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Lloyd's AIRCRAFT MAINTENANCE, INC.

(661) 393-1588 Fax (661) 393-2502



SO# 18958

N 7191U

Hobbs: 3303.80

Tach: 1557.80

AFTT: 3303.80

Aircraft S/N: 409

Date: 3/8/2018

Work Accomplished

Airframe -

Discrepancy:

Right wing fuel leak. Left wing check for fuel leaks.

Resolution:

Drained fuel from both tanks. Remove top access panels and inspect tank interiors. (Note right fuel quantity sender is incorrect type for aircraft). Chemically removed old tank sealer as necessary with Poly-gon Gel. Drill out and install new rivet in right fuel tank. clean and re-apply sealer to seams rivets etc., reseal removed access panels and re-fuel aircraft. No leaks noted.

Discrepancy:

Nose landing gear shimmies, can feel through nose structure.

Resolution:

Jacked aircraft and inspected nose gear trunnion and structure for looseness and evidence of wear and / or damage. No defects found. Removed nose wheel and tire assembly and checked static balance. No defects noted. Reinstalled and safetied. Removed aircraft from jacks.

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Continuation of previous entry
				Discrepancy: JPI Sending unit not indicating for right wing fuel tank. Resolution: Removed left and right fuel senders from fuel tanks. Original fuel sender for right side supplied by owner was electrically erratic when tested with and Ohm meter, this unit sent to Airparts of Lock Haven for repair and reinstalled with new gasket. The left fuel sender was tested and also found to be erratic. Installed overhauled exchange fuel sender in left position with new gasket. The JPI monitor was verified to indicate zero on each tank with zero fuel prior to re-fueling aircraft tanks. After fueling and calibration check the JPI fuel quantity indications match the actual fuel quantity in the left and right fuel tanks. RH Sender installed, PN: 5641991, SN: 180486. LH Sender installed, PN: 5642354, SN: 172779. Discrepancy: Left engine top cowling, check for damaged fasteners and replace as necessary. Resolution: Inspected left engine cowling. Found and replaced two (2) damaged screws with new. Cowling now secure. Discrepancy: Pilots floating instrument panel missing shock mounts and standoffs. Resolution: Installed two shock mounts and one long standoff on left front panel. Panel secure.

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) Continuation of previous entry

Discrepancy:

Throttle cable stiff and binds.

Resolution:

Removed left cowling to inspect throttle cable, removed throttle jam nut and pressure lubed.

Throttle cable action now smooth and locks into position.

This aircraft is approved for return to service with respect to the work performed.



Mark W Wiebe AP561868073

YEAR:

DATE

YK3R997L

Western Avionics

19300 IKE JONES RD.

SANTA ANA, California 92707

United States

March 23, 2018

Telephone: 714-955-6151

Fax:

Registration #: N7191U

Total AC Time: 1559.0

Total AC Cycles:

Manufacturer:

Part/Model number:

Aircraft Serial Number: 409

Work Order No: 1502

Date: 03/23/2018

Squawk

1.1

C/W

2.1

PERFORMED 24 MONTH CERTIFICATION OF ALTIMETER, BLIND ENCODER AND STATIC SYSTEM AS REQUIRED BY F.A.R. 91.411 I.A.W. F.A.R. PART 43, APPENDIX E TO 20,000 FT.

PERFORMED 24 MONTH A.T.C. MODE "S" TRANSPONDER TEST AS REQUIRED BY F.A.R. 91.413 / 91.217 AND ACCOMPLISHED I.A.W. PART 43, APPENDIX F.

2.2

EDM 930 FACTORY INSPECTED AND RE-INSTALL IN ACFT.
CONFIRM SYSTEM SETTINGS PER JPI TECH REP AND ADVISED - "FUEL QUANTITY SENSORS" MAY BE STICKING.
SYSTEM REQUIRED FULL FUEL QTY AND SET UNIT TO REFLECT SAME. MONITOR QTY USAGE AND ADVISE.

3.1

REMOVE KT79 PN: 066-153-00 SN: 3078 MODS 1/2 FOR BENCH EVAL. / 03/15/18 - REF

GARMIN GTX 345 TO BE INSTALLED TO REPLACE KT79.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 1502.

All work was performed in accordance with manufacturer's specifications and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: SCOTT GREGORY

Date: 3/23/2018

Registration #: N7191U

Total AC Time: 1,559.0

Total AC Cycles:

Manufacturer:

Part/Model number:

Aircraft Serial Number: 409

Work Order No: 1514

Date: 03/27/2018

or Repair

YEAR:

RECOR
TACH
TIME

DATE

Part Number	Serial Number	Description
Removed 066-1053-00	3078	KT 79
Installed 010-01214-41 013-00235-00	30E420205 144822	GTX335, GPS, STANDARD KIT GA 35 GPS/WAAS ANT
New Weight:	1,684.96	
New CG/Arm:	45.67	
New Moment:	76,945.60	
New Useful Load:		

Squawk

3.1

INSTALLED GTX335 IAW GTX 3XX PART 23 AML STC INSTALLATION MANUAL P/N: 190-00734-10 REV. 10 DATED: 28 FEBRUARY 2018

INSTALLED USING 3A CIRCUIT BREAKER LABELED 'XPONDR'.

GTX335 IS INTERFACED TO THE AUDIO PANEL.

- Maximum electrical load did not exceed 80% of the generating capacity of the electrical charging system.
- The installation exhibits no interference to communication or navigation systems.
- Weight & Balance/Equipment List have been amended.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 1514.

All work was performed in accordance with manufacturer's specifications and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed (DAVID JONES)

Date: 3/23/2018

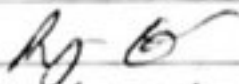
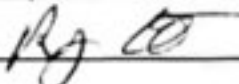
AP 313887A

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/4/18				Cosmetic Paint Touch up Performed with minimal Film Thickness. Weight & balanced w/o effect M. K. (Viper)
9-4-18				complied with AD 85-24-03 (1-6-86) Fuel Tank 1520.7 Bays etc., inspected fuel caps per M20-230, no AUT 3296.2 leaks or defects, next due by 9-2019 or ACTT: 3396, whichever is first. AD 73-21-01 (10-10-73) Flight Control Landing Gear, lubed per AD, next due by 9-2019 or ACTT: 3396 whichever is first AD 76-07-12 (8-30-77) Bendix Ignition Switches continued next page —

YEAR: 2018 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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continued from previous page -

operational check per AD no defects, next due by
ACTT: 3396. AD 2015-19-07 (11-3-15) Fuel Injector
Lines, inspected per MSB 3426 (1-16-13) Diagram #4,
no defects found, next due by ACTT: 3396, any work
on lines/clamps, or OH. AD 2004-10-14 (6-23-04)
Crankshaft bear, due after prop strike. AD 90-04-02
R1 (9-28-91) Propeller Governor line, due after removal
or OH. AD 77-17-04 (7-7-78) control wheel shaft
previous compliance on 7-5-11, next due by ACTT:
3493. ADs checked on fac. gov on 9-4-18.
Replaced fuel selector lower gasket 940097-01,
continued next page -

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				continued from previous page - I certify that the ELT has been inspected in accordance with the requirements of FAR 91.207(d) 1-4 and was found to be in satisfactory condition, set to arm, batteries due by Dec. 2024. operational + leak check good. By  AP534761613
9-4-18	Tach 1570.7 ACTT 3296.2			I certify that this aircraft has been inspected in accordance with the an annual inspection per FAR 43 Appendix D and was determined to be in airworthy condition. By  AP534761613 IA

YEAR:

R
T
T

DATE

Date: 09/18/2018 Hours: Tach: 131.9

Tail#: N7191U

Make: Mooney

Model: M20E

S/N: M20E-409

Re-Sealed leaking Flap Pump/Valve Assembly using all new O-Rings 2 EA MS28775-110, 1 EA MS28778-8, 1 EA MS28775-006, 1 EA MS28775-111, 1 EA MS28778-5. Bleed the hydraulic system, checked for proper operation and leaks, OK. All work done in accordance with Mooney Service Manual. Returned to Service. END

Name: Siegfried Langmann

Co: Fresno Flyers

Cert: A&P 3383424 IA

Sign:



ons

r of Technician or Repair

YEAR

DATE

MAKE
MODEL
S/N
REG NO: N7191U
WORK ORDER
1868-09-2018

C AND T Aviation INC

4130 Aviation Drive
Madera, ca 93637
Phone: 559-675-0183

DATE: 9/25/2018
A/C TSN
HOBBIS 3332

Repair

Airframe Entries

(1) Trouble shot feedback in headsets to faulty intercom wiring. Repaired intercom wiring as necessary. Ground ran aircraft, no further defects noted.

Maintenance Release

The aircraft and/or component(s) on N7191U was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 1868-09-2018, Dated 9/25/2018.

DATE: 9/25/2018

SIGNED:

Chris Sharp, A&P. 2755348AP

Work Order: 1868-09-2018

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RECORDING | TODAY'S | TOTAL | Description of Inspections Tests Done and Alterations

TA Date: 11/09/2018 Hours: Tach: 164.71

of Technician or Repair

Tail#: N7191U

Make: Mooney

Model: M20E

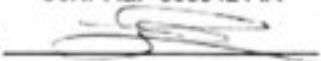
S/N: M20E-409

Replaced Starter with SkyTek Starter P/N 149NL. Replaced Battery with sealed Concord RG-35AXC. Performed post maintenance run up. All work done in accordance with Mooney Maintenance Manual. Returned to Service. END

Name: Siegfried Langmann

Cert: A&P 3383424 IA

Co: Fresno Flyers

Sign: 



Sierra Aero LLC 10298 Truckee Airport Rd, Hangar #1, Truckee, CA 96161 530-969-8751

 N7191U
Tach: 1648.2

 MOONEY, M20E, S/N: 409
Hobbs: 3406.0

January 20, 2020

1. Replaced terminal ring for LH fuel gauge with new. Cleaned LH fuel sender & wire terminal contact areas. Tightened fuel sender screws. Replaced rubber boot with new. Installed (1) 36154 - terminal. Installed (1) MS25171-15 - Terminal nipple.
2. Installed new compass card.
3. Replaced both main wheels, brake assemblies, and brake discs with new. Manufactured and installed new brake hoses. Installed new grease felts. Serviced and bled brakes. Installed (12) APS105-00200 - Rivet. Installed (4) RA66-111 - Brake pad. Installed (2) 164-02000 - Rapco Brake Disc. Installed (7) 303-4 - Aeroquip Hose, 1/4". Installed (2) 30-56A - Brake assembly. Installed (2) 40-86 - Wheel assembly.
4. Tied up and reconnected wires, cables & connectors under panel controls. Installed (1) 34070 - Butt Splice.
5. Cleaned, replaced hardware with new, and tightened baffle interconnect rod. Installed (1) AN365-1032A - Screw.
6. Installed screw on #1 rocker box cover.
7. Installed washer and cotter pin on cowl flap actuator. Installed (1) AN380-2-2 - Cotter pin. Installed (1) 14100-100 - washer.
8. Installed chafe protection on lower cowl. Installed (1) ZZR765CL2BGR70 - Baffle seal.
9. Replaced CB switch with new and installed serviceable bulb for LH nav. light. Installed (1) W31-X2M1G-7.5 - Switch.
10. Cleaned and resealed gascolator.
11. Re-tapped screw holes and replaced rivnut with new. Installed screws and tinnerman nuts on airframe where missing or stripped. Installed (1) NAS1329A06-75 - Rivet nut. Installed (5) A1779-102-1D - Tinnerman nut. Installed (7) AN507C632R8 - screw. Installed (22) AN526-1032R8 - Screw.
12. Installed new screw and tightened several screws on LH & RH wing cuffs.
13. Secured screw on NLG door hinge.
14. Secured and re-pinned hardware on alternator.
15. Installed new vacuum filter. Installed (1) RAD9-14-5 - Rapco.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1903.

Jeffrey Fay A&P 2679315



Sierra Aero LLC 10298 Truckee Airport Rd, Hangar #1, Truckee, CA 96161 530-969-8751

 N7191U
Tach: 1648.2

 MOONEY, M20E, S/N: 409
TTAF: 3373.7 Hobbs: 3406.0

January 20, 2020

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR 91.207(d) ELT check, no discrepancies noted. ELT battery replacement due 12/2024. Installed (1) BA6305 - Air filter. Installed (1) MS35769-21 - Crush gasket.
2. Complied with AD 73-21-01 per para (a). Due every 100 HRS.
3. Complied with AD 76-07-12 by Operational Test of switch. No defects at this time.

Researched AD's: see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_1903.

Jeffrey Fay IA 2679315



Sierra Aero LLC - 10296 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-938-8714 - CFS# 54P0210

N7191U

Tach: 1650.1

Hobbs: 3408.2

March 13, 2020

Performed 91.413 cert.

I certify that the transponder tests, including data correspondence, required by para 91.413, have been performed and found to comply with 14 CFR part 43, appendix F. Transponder Model GTX335 Serial No 3E6420205 The transponder was tested on date: 03-13-2020

Details of work performed are on file with Sierra Aero LLC under work order: WO_544.

Sierra Aero LLC Repair Station 54P0210



Sierra Aero LLC - 10296 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

hobbs: 3417.9

MOONEY, M20E, S/N: 409

tach: 1658.7

TTAF: 3384.2

September 02, 2021

1. Replaced ground wire crimp on LH fuel gauge.
2. Installed placard "12 Volt DC" on external power receptacle.
3. Removed air door cable and sent to McFarlane for repair. Reinstalled after repair completed.
4. Replaced wire and terminal for landing light. Installed (1) 35108 - crimp terminal.
5. Fabricated and installed new fuel tank placards.
6. Replaced main battery with new. Installed (1) RG-35AXC - Battery, S/N: 41149574.
7. Replaced ELT antenna with new. Installed (1) 110-324 - Wire whip antenna.
8. Cleaned and resealed flap actuator. Installed (1) MS28775-011 - O-ring, Installed (1) MS28775-211 - O-ring.
9. Replaced flap hydraulic hoses with new. Installed (4) 111-4 - Stratoflex hose.
10. Cleaned tail bilge.
11. Installed boots on ammeter shunt terminals. Installed (2) 25885-5 - Terminal nipple, red, Installed (2) MS25171-1S - Terminal nipple.
12. Cleaned LH and RH fuel sender screws.
13. Installed zerk fitting on NLG. Installed (1) AS15002-1P - Grease fitting.
14. Replaced LH and RH main gear zerk fitting forward of trunion bearings. Installed (2) 3018 - Grease fitting.
15. Resealed LH fuel tank. Installed (1) 1422B1-2AM6545K - PR-1422 CLASS B FUEL TANK SEALANT.
16. Removed engine mount and sent to Loree Air for overhaul. Reinstalled engine mount after work completed. Installed new engine shock mounts. Installed (4) J-7402-16 - Engine mount.
17. Removed engine, Lycoming IO-360-A1A, SN: L-847-51M, and installed factory overhauled engine, Lycoming IO-360-A1A, SN: RL-13840-51E.
18. Installed new spiral wrap on engine sensor wiring harness.
19. Replaced LH fuel cap o-rings with new. Installed (2) MS29513-338 - O-ring.
20. Fabricated and installed new direct replacement pilot instrument panel to accommodate the equipment change. The new instrument panel was fabricated from new 0.060" 2024-T3 aluminum. The new panels were powder coated and installed using the aircraft's existing mounting process. Removed and replaced the pilot and copilot instrument panels with customer provided new direct replacement instrument panels from 0.060" 2024-T3 aluminum. The new panels were installed using the aircraft's existing mounting process.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_2648.

Taylor Good A&P 3529105



Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

September 01, 2021

hobbs: 3417.9

tach: 1656.7

TTAF: 3384.2

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR 91.207(d) ELT check, no discrepancies noted. ELT battery replacement due 12/2024. Installed (1) MS35769-21 - Crush gasket, Installed (1) BA6305 - Air filter, Installed (1) RAD9-14-S - Rapsos.
2. Complied with AD 73-21-01 by lubricating the flight control/landing gear system per para (a). Due every 100 HRS.
3. Complied with AD 76-07-12 by Operational Test of switch. No discrepancies noted. Due every 100 hrs.

Researched AD's: see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_2646.

Taylor Good IA 3529105

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Rec


Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 530.952-4751 - CFS# 2103210

N7191U

Mooney, S/N: 409

September 01, 2021

tach: 1656.7

1. Performed FAR 91.411 and 91.413 certifications.

I certify that the altimeter and static system tests required by 14 CFR part 91, para 91.411 and transponder tests, including data correspondence, required by para 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter Model G5 EADI Serial No 4JQ049533

Transponder Model GTX 345 Serial No 3E0011441

Encoder Model G5 EHSI Serial No 4JQ049337

The altimeter was tested to 20,000 feet on date: 09-01-2021

The transponder was tested on date: 09-01-2021

Encoder data correspondence was tested to 20,000 feet on date: 09-01-2021

Static system leak tested on date: 09-01-2021 Details of work performed are on file with Sierra Aero LLC under work order: WO_658.

Sierra Aero LLC Repair Station SIER2210

 Ations
ber of Technician or Repair



Sierra Aero LLC - 10356 Truckee Airport Rd, Hanger #1 - Truckee, CA 96161 - 530-359-8751 - CRSA: 56R221D

N7191U
hobbs: 3417.9MOONEY, M20E, S/N: 409
tach: 1658.7
SINCE NEW:
3384.2

September 02, 2021

1. Installed dual G5 system IAW Garmin installation manual PN: 190-01112-10 Rev. 26, dated May 2021. Installed (1) K10-00280-01 - G5 AI w/ LMP, S/N: 4JQ049533, Installed (1) K10-00280-20 - G5 HSI, S/N: 4JQ049337, Installed (1) 010-01172-11 - GAD 29B PMA, S/N: 5DL015279, Installed (1) 01104349-01 - GMU 11 Magnetometer, S/N: 56J025708.
2. Installed GTN 650 Xi GPS/NAV/COM IAW Garmin installation manual PN: 190-01007-C0 Rev. 3, dated March 2021. Installed (1) 011-gln650xi - Garmin GTN650Xi Kit, S/N: 5FP004005, Installed (1) AV-547 - RAMI NAV Diplexer, Installed (8) XPF-12 - ICO-FLEX expandable tubing.
3. Installed GNC 255 NAV/COM IAW Garmin installation manual PN: 190-01182-02 Rev. K, dated Nov. 2020. Installed (1) 010-01025-50 - GNC 255A, S/N: 6MM010258.
4. Installed Garmin GMA 345 audio panel w/ 4 place ICS IAW Garmin installation manual PN: 190-01878-02, Rev. 5, dated Nov. 2020. Installed (1) 010-01319-01 - GMA 345 and installation kit, S/N: 3Z0010981, Installed (1) 11-17931 - C-102 marker beacon antenna, S/N: 652731, Installed (2) FAP 08-2 - Surf MTD & Phn Jack HS BEI.
5. Installed GTX 345 ADS-B transponder IAW Garmin installation manual PN: 190-01499-02 Rev. 14, dated July 2019. Installed (1) 010-01216-06 - GTX345, S/N: 3EG041441.
6. Removed shock and angled mounts and installed fixed mounts.
7. routed and secured wires behind instrument panel.
8. Removed and replaced existing magneto P-lead wires with new. Installed (18) J3298 - SHIELDED 16GA WHITE WIRE.
9. Removed existing #2 COM antenna and installed new COM antenna. Installed (1) RAMI AV-10 - Com Antenna.
10. Filed 337 for installation of G5 system, GTN650 Xi and GTX 345. Performed W&B calculations to coincide with equipment change.

With respect to the work performed, this airframe/article is approved for return to service. All work has been completed in accordance with current manufacturer specifications and regulations. Details of work performed are on file with Sierra Aero LLC under work order: WO_658.

Sierra Aero LLC Repair Station 51ER221D




Sierra Aero LLC - 10356 Truckee Airport Rd, Hanger #1 - Truckee, CA 96161

N7191U
hobbs: 3433.0MOONEY, M20E, S/N: 409
tach: 1672.9 TIAF: 3398.4

November 29, 2021

1. Defueled aircraft. Removed and replaced LH fuel sender with overhauled unit. Refueled aircraft and calibrated fuel sender. Installed P/N AC5642354 - Fuel sender, overhauled, Installed P/N 0015-00716 - Fuel Sender Gasket.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_3068.

Maximilian Ilizarov A&P 3925219





Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

hobbs: 3451.6

MOONEY, M20E, S/N: 409

tach: 1689.4

TTAF: 3414.9

September 23, 2022

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR 91.207(d) ELT check, no discrepancies noted. ELT battery replacement due 12/2024. Installed P/N MS35769-21 - Crush gasket, Installed P/N RAD9-14-S - Rapco, Installed P/N BA6305 - Air filter.
2. Complied with AD 73-21-01 by lubricating the flight control/landing gear system per para (a). Due every 100 HRS.
3. Complied with AD 76-07-12 by Operational Test of switch. No discrepancies noted. Due every 100 hrs.

Researched AD's; see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_3641.

Maximilian Ilizarov IA 3925219

wo: WO_3641

Airframe - page 1 of 1



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

hobbs: 3451.6

MOONEY, M20E, S/N: 409

tach: 1689.4

TTAF: 3414.9

September 23, 2022

1. Installed orifice fitting on fuel pressure circuit. Installed (1) AN-4 orifice fitting.
2. Defueled aircraft. Reinstalled fuel to aircraft and recalibrated LH and RH fuel senders.
3. Performed compass swing and created compass correction card.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_3641.

Maximilian Ilizarov A&P 3925219

ats, Repairs and Alterations
, Rating and Certificate Number of Technician or Repair
eific entries.)

YEAR:

TOTAL
TIME IN
SERVICE**Reference of Major Repairs and Major Alterations To**

FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

DATE

wo: WO_940

91.411&91.413 - page 1 of 1



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751 - CRS#: SIERR221D

N7191U

Mooney, S/N: 409

September 19, 2023

hobbs: 3465.3

tach: 1701.4

Performed FAR 91.411 and 91.413 certifications.

I certify that the altimeter and static system tests required by 14 CFR part 91, para 91.411 and transponder tests, including data correspondence, required by para 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter #1 Model G5 EFI Serial No 4JQ049337 Altimeter #2 Model G5 EFI Serial No 4JQ049533

Transponder Model GTX 345 Serial No 3EG041441

Encoder #1 Model G5 EFI Serial No 4JQ049337 Encoder #2 Model G5 EFI Serial No 4JQ049533

The altimeter was tested to 20,000 feet on date: 09/19/2023

The transponder was tested on date: 09/19/2023

Encoder data correspondence was tested to 20,000 feet on date: 09/19/2023

Static system leak tested on date: 09/19/2023 Details of work performed are on file with Sierra Aero LLC under work order: WO_940.

Sierra Aero LLC Repair Station SIERR221D

A handwritten signature in black ink, appearing to be "C. Smith", written over a horizontal line.

YEAR:

DATE

TOTAL
TIME IN
SERVICE

Reference of Major Repairs and Major Alterations To

FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

wo: WO_940

Airframe Part 145 - page 1 of 1



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751 - CRS#: 5IER221D

N7191U

MOONEY, M20E, S/N: 409

September 19, 2023

hobbs: 3465.3

tach: 1701.4

SINCE NEW (tach): 3426.9

1. Updated G5 Electronic Flight Instrument system to 8.02 IAW Garmin SB 22123a.
2. Updated GTN 650Xi system software to 20.30 IAW Garmin SB 22108b
3. Updated GTX 345 system software to 2.80 and ADS-B software to 3.41 IAW Garmin SB 23031b.
4. Performed altitude calibration on both G5 Electronic Flight Instruments IAW Garmin G5 installation manual PN: 190-01112-10.

With respect to the work performed, this airframe/article is approved for return to service. All work has been completed in accordance with current manufacturer specifications and regulations. Details of work performed are on file with Sierra Aero LLC under work order: WO_940.

Sierra Aero LLC Repair Station 5IER221D

A handwritten signature in black ink, likely belonging to a representative of Sierra Aero LLC, written over a horizontal line.



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

YEAR:

DATE

N7191U

MOONEY, M20E, S/N: 409

September 21, 2023

hobbs: 3465.3

tach: 1701.4

TTAF: 3426.9

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR §1.207(d) ELT check, no discrepancies noted. ELT battery replacement due 12/2024. Installed P/N MS35769-21 - Crush gasket, Installed P/N RAD9-14-5 - Rapco, Installed P/N BA6305 - Air filter.
2. Complied with AD 73-21-01 by lubricating the flight control/landing gear system per para (a). Due every 100 HRS.
3. Complied with AD 76-07-12 by Operational Test of switch. No discrepancies noted. Due every 100 hrs.

Researched AD's; see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_4144.

Maximilian Lizarov IA 3925219



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

November 28, 2023

hobbs: 3472.7

tach: 1708.0

TTAF: 3433.5

Replaced alternator shunt with 100A shunt. Tightened all loose buss wire connections. Installed P/N 10-02074 - UMA External AMP Shunt 100 AMP.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_4244.

Maximilian Lizarov A&P 3925219



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161 - 530-359-8751 - CRS#: 5IER221D

YEAR:

A.I
NU

DATE

N7191U

MOONEY, M20E, S/N: 409

October 07, 2024

hobbs: 3479.6

tach: 1713.8

SINCE NEW (tach): 3439.3

1. Updated G5 system software to 8.27 IAW Garmin G5 maintenance manual PN: 190-01112-11 Rev. 10.
2. Updated GTX 345 system software to 2.85 and ADS-B software to 3.51 IAW Garmin service bulletin 24002a.
3. Updated GTN 650Xi system software to 20.42 IAW Garmin service bulletin 24037a.

With respect to the work performed, this airframe/article is approved for return to service. All work has been completed in accordance with current manufacturer specifications and regulations. Details of work performed are on file with Sierra Aero LLC under work order: RS_1114.

Sierra Aero LLC Repair Station 5IER221D



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

October 15, 2024

hobbs: 3479.6

tach: 1713.8

TTAF: 3439.3

Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR 91.207(d) ELT check, no discrepancies noted. ELT battery replacement due MAR 2030. Installed P/N MS35769-21 - Crush gasket, Installed P/N RAD9-14-5 - Rapco, Installed P/N BA6305 - Air filter.

Researched AD's; see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_4726.

Taylor Good IA 3529105



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

October 15, 2024

hobbs: 3479.6

tach: 1713.8

TTAF: 3439.3

1. Complied with AD 73-21-01 by lubricating the flight control/landing gear system per para (a). Due every 100 HRS.
2. Complied with AD 76-07-12 by Operational Test of switch. No discrepancies noted. Due every 100 hrs.
3. Removed main aircraft battery PN: RG35-ACX and reconditioned with constant current charge to 104% capacity. Reinstalled same battery. Ops check good.
4. Replaced ELT batteries with new. Installed (6) P/N "D" battery - "D" battery, all-purpose. Next replacement due MAR 2030.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_4726.

Taylor Good A&P 3529105

Airframe - page 1 of 1



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

October 23, 2025

hobbs: 3495.1

tach: 1727.8

TTAF: 3453.3

1. Removed fuel strainer, resealed, and reinstalled. Installed P/N M20J - Complete Seal Kit & Drawing for Dukes 3331.
2. Replaced fuel selector decal with new. Installed P/N 150080-031 - Decal, Fuel Selector 26 Gallon.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_5257.

Maximilian Bizarov A&P 3925219

YEAR:

TOTAL
TIME IN
SERVICE

Equipment Addition, Removal or Exchange

DATE

Item

Manufacturer's Name

Model

Serial Number

wo: RS_1195

91.411&91.413 - page 1 of 1



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161 - 530-359-8751 - CRS#: 5IER221D

N7191U

Mooney, S/N: 409

October 14, 2025

hobbs: 3495.1

tach: 1727.8

Performed FAR 91.411 and 91.413 certifications.

I certify that the altimeter and static system tests required by 14 CFR part 91, para 91.411 and transponder tests, including data correspondence, required by para 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter #1 Model G5 MFI Serial No 4JQ049337 Altimeter #2 Model G5 MFI Serial No 4JQ049533

Transponder Model GTX 345 Serial No 3EG041441

Encoder #1 Model G5 MFI Serial No 4JQ049337 Encoder #2 Model G5 MFI Serial No 4JQ049533

The altimeter was tested to 20,000 feet on date: 10/14/2025

The transponder was tested on date: 10/14/2025

Encoder data correspondence was tested to 20,000 feet on date: 10/14/2025

Static system leak tested on date: 10/14/2025 Details of work performed are on file with Sierra Aero LLC under work order: RS_1195.

Sierra Aero LLC Repair Station 5IER221D

- ☐ Removal of Optional Equipment
☐ Addition of Required-Exchanged for Optional
☐ Removal of Required-Exchanged for Optional

YEAR:



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751 - CRSA: SIER221D

DATE

N7191U

MOONEY, M20E, S/N: 409

October 14, 2025

hobbs: 3495.1

tach: 1727.8

SINCE NEW (tach): 3453.3

1. Updated Garmin GTN 6500G system software to 21.02 IAW Garmin service bulletin 25026a.
2. Updated GTX 345 system and ADS-B software to 2.90 and 3.62 IAW Garmin service bulletin 25035a.

With respect to the work performed, this airframe/article is approved for return to service. All work has been completed in accordance with current manufacturer specifications and regulations. Details of work performed are on file with Sierra Aero LLC under work order: RS_1195.

Sierra Aero LLC Repair Station SIER221D

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for Optionalor Optional
for Optional

Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

~~October 23, 2025~~

hobbs: 3495.1

tach: 1727.8

TTAF: 3453.3

November 1, 2025

Performed annual inspection per Sierra Aero LLC Inspection Checklist. C/W with FAR 91.207(d) ELT check, no discrepancies noted. ELT battery replacement due MAR 2030.

Researched AD's; see attached AD Compliance Report. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and found to be airworthy on this date. -END-. Details of work performed are on file with Sierra Aero LLC under work order: WO_5257

Taylor Good IA 3529105

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YEAR:

TOTAL
TIME IN
SERVICE

DATE _____



Sierra Aero LLC · 10356 Truckee Airport Rd, Hangar #1 · Truckee, CA 96161

N7191U

MOONEY, M20E, S/N: 409

~~October 23, 2025~~

hobbs: 3495.1

tach: 1727.8

TTAF: 3453.3

November 1, 2025

1. Complied with AD 73-21-01 by lubricating the flight control/landing gear system per para (a). Due every 100 HRS.
2. Complied with AD 76-07-12 by Operational Test of switch. No discrepancies noted. Due every 100 hrs.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO 5257.

Taylor Good A&P 3529105

U. FRIEDRICH, *DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. 94720*

- ☐
- Addition of Required—Exchanged for Optional
-
- ☐
- Removal of Required—Exchanged for Optional

- ☐ Addition of Optional Equipment
- ☐ Removal of Optional Equipment
- ☐ Addition of Required-Exchanged for Optional
- ☐ Removal of Required-Exchanged for Optional

- ☐ Addition of Optional Equipment
- ☐ Removal of Optional Equipment
- ☐ Addition of Required-Exchanged for Optional
- ☐ Removal of Required-Exchanged for Optional

- ☐ Addition of Optional Equipment
☐ Removal of Optional Equipment
☐ Addition of Required—Exchanged for Optional
☐ Removal of Required—Exchanged for Optional

ENGINE LOG BOOK



Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
NO. WD_344 SIERRA Aero LLC Sierra Aero LLC 10000 Truckee Airport Rd, Hanger #1, Truckee, CA 96161 NT181U LYCOMING ID-360-A1A, S/N: RL-13840-51E September 01, 2021 hours: 3417.8 TSN: 1038.7 - Installed Lycoming engine ID-360-A1A, S/N: RL-13840-51E, after delivery from Ly-Con, per Ly-Con work order 70207. Installed new ring gear and new alternator brackets. Spent propeller governor to American Propeller for overhaul, per American Propeller work order 20086-06-2021, and installed with new engine after work completed. Fabricated and installed new engine ground straps. Installed (1) Aukad-133 - Temperate Oil Filter. Installed (1) LHM-13471 - Ring gear. Installed (1) LHM-31-0-44 - Bolt. Installed (1) 75303 - Lockplate bolt. Installed (1) 70234 - Shim. Installed (1) 8741-1474 - Lycoming alternator bracket. Installed (1) 75380 - Lycoming alternator adjustment bolt. Installed (1) Phillips - 200000-04, installed (1) LHM-17-028 - Propeller string. - Replaced alternator belt with new. Installed (1) 32416773-576 - Alternator Belt. - Replaced all oil and fuel hoses, sent to Precision Hose Technology to be duplicated and fire checked. Installed all new fire checked oil and fuel hoses. Installed (1) 1247001-6C70006 - Hose Assembly. Installed (1) 1247001-6C70148 - Hose Assembly. Installed (1) 1247001-6C70004 - Hose Assembly. Installed (1) 1247001-6C70004 - Hose Assembly. Installed (1) 1247001-6C70004 - Hose Assembly. Installed (1) 1247001-6C70006 - Hose Assembly. Installed (1) 1247001-6C70006 - Hose Assembly. Installed (1) 1117002-45-0424 - Hose Assembly. - Adjusted belts and ring gear to prevent belts chafing on ring gear assembly. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WD_344. Maximilian Razarov AWP 2025219 <i>Max Ilizarov</i> NO. WD_344 SIERRA Aero LLC Sierra Aero LLC 10000 Truckee Airport Rd, Hanger #1, Truckee, CA 96161 NT181U LYCOMING ID-360-A1A, S/N: RL-13840-51E September 01, 2021 hours: 3417.8 TSN: 1038.7 - Performed annual inspection per Sierra Aero LLC Inspection Checklist. Engine ran from Lycoming. No compression test performed. Installed (5) M-574 - Spark plug gasket. - Per engine per Lycoming instructions for overhauled engine, leak check good. - Complied with AD 15-19-07 by inspection of fuel lines and clamps, no discrepancies noted. - Complied with AD 38-02-03 by inspecting servo plug, no discrepancies noted. Note servo with engine. Reviewed AC's, see attached AD Compliance Report. I certify that this ENGINE has been inspected per a 100 HR/5000-JR inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WD_344. Maximilian Razarov AWP 2025219 <i>Max Ilizarov</i>					
NO. WD_344 SIERRA Aero LLC Sierra Aero LLC 10000 Truckee Airport Rd, Hanger #1, Truckee, CA 96161 NT181U LYCOMING ID-360-A1A, S/N: RL-13840-51E September 23, 2021 hours: 3451.6 TSN: 30.7 - Performed annual inspection per Sierra Aero LLC Inspection Checklist. Compression test: (1) 75303, (2) 75303, (3) 75303, (4) 75303. Installed (12) Pits 16-574 - Spark plug gasket. - Drained oil and removed filter. Cut filter and inspected medium, no discrepancies noted. Obtained oil sample and sent to Blackstone for analysis. Installed P/N Aukad-133 - Temperate Oil Filter. Installed (1) P/N 200000 - Phillips CR. - Ran engine, leak check good. - Complied with AD 15-19-07 by inspection of fuel lines and clamps, no discrepancies noted. Reviewed AC's, see attached AD Compliance Report. I certify that this ENGINE has been inspected per a 100 HR/5000-JR inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WD_344. Maximilian Razarov AWP 2025219 <i>Max Ilizarov</i> NO. WD_344 SIERRA Aero LLC Sierra Aero LLC 10000 Truckee Airport Rd, Hanger #1, Truckee, CA 96161 NT181U LYCOMING ID-360-A1A, S/N: RL-13840-51E August 19, 2023 hours: 3457.6 TSN: 3419.8 Removed fuel flow divider and replaced with overhauled unit. Removed P/N AV2524232-4, S/N: AV52190635. Installed P/N 2524232-2-H - Flow divider Overhauled S/N: A148L3D. With respect to the work performed, this airplane is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WD_4093. Maximilian Razarov AWP 2025219 <i>Max Ilizarov</i>					

Page Total: _____

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Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
Engine Annual page 1 of 1  Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
WO_4144					
NT181U N6666 3485.3			LYCOMING IO-360-A1A, S/N: RL-13840-51E Tach: 1701.4 September 21, 2023 1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. Compression test: (1) 76/90, (2) 71/80, (3) 76/90, (4) 76/90. Installed (12) PIN M-674 - Spark plug gasket. 2. Drained oil and removed filter. Cut filter and inspected medium, no discrepancies noted. Obtained oil sample and sent to Blackstone for analysis. Installed PIN AA48103 - Tempert Oil Filter. Installed (7) PIN 204950 - Phillips Oil. 3. Ran engine, leak check good. 4. Complied with AD 15-19-07 by inspection of fuel lines and clamps, no discrepancies noted. Researched AD's, see attached AD Compliance Report. I certify that this ENGINE has been inspected IAW a 100 H/ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_4144.	<i>Max Ilizarov</i>	
Maximilian Ryzov IA 3525219					
Engine page 1 of 1  Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
WO_4144					
NT181U N6666 3485.3			LYCOMING IO-360-A1A, S/N: RL-13840-51E Tach: 1701.4 September 21, 2023 Removed and reinstalled P/R magnets to re-clock and adjust timing to spec. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_4144.	<i>Max Ilizarov</i>	
Maximilian Ryzov AEP 2625219					
Engine page 1 of 1  Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
WO_4244					
NT181U N6666 3472.7			LYCOMING IO-360-A1A, S/N: RL-13840-51E Tach: 1708.0 November 28, 2023 1. Cleaned all four fuel injectors. 2. Replaced Cyl #4 fuel intake gasket with new installed PIN 71873 - Lycoming intake gasket. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_4244.	<i>Max Ilizarov</i>	
Maximilian Ryzov AEP 3525219					
Engine Annual page 1 of 1  Sierra Aero LLC - 10556 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
WO_4726					
NT181U N6666 3476.6			LYCOMING IO-360-A1A, S/N: RL-13840-51E Tach: 1713.8 October 15, 2024 1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. Compression test: (1) 76/90, (2) 76/90, (3) 76/90, (4) 76/90. 2. Drained oil and removed filter. Cut filter and inspected medium, no discrepancies noted. Obtained oil sample and sent to Blackstone for analysis. Installed PIN AA48103 - Tempert Oil Filter. Installed (7) PIN 204950 - Phillips Oil. 3. Ran engine, leak check good. Researched AD's, see attached AD Compliance Report. I certify that this ENGINE has been inspected IAW a 100 H/ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_4726.	<i>CG</i>	
Taylor Good IA 3529106					

Page Total: _____

Brought Forward: _____

Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
wo: WO_4726  Engine - page 1 of 1 Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
NT181U hobbs: 3479.8 LYCOMING IO-360-A1A, S/N: RL-13840-51E tsn: 1713.8 TSN 55.1 October 15, 2024					
- Complied with AD 15-19-07 by inspection of fuel lines and clamps, no discrepancies noted. - Replacement of quick drain valve with new. Installed P/N P5000 - Oil drain valve.					
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_4726.					
Taylor Good A&P 3529105 <i>[Signature]</i>					
wo: WO_5257  Engine Annual - page 1 of 1 Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
NT181U hobbs: 3495.1 LYCOMING IO-360-A1A, S/N: RL-13840-51E tsn: 1727.8 TSN 59.1 October 23, 2023 November 1, 2025					
- Performed annual inspection per Sierra Aero LLC Inspection Checklist. Compression test: (1) 75/90, (2) 70/80, (3) 73/90, (4) 74/90. - Drained oil and removed filter. Cut filter and inspected medium, no discrepancies noted. Obtained oil sample and sent to Blackstone for analysis. Installed P/N AAA8103 - Tempest Oil Filter, Installed (7) P/N 20W50 - Phillips Oil. - Ran engine, leak check good.					
Researched AD's; see attached AD Compliance Report. I certify that this ENGINE has been inspected MW a 100 HRA/ANNUAL inspection and was determined to be in an airworthy condition on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_5257.					
Taylor Good IA 3529105 <i>[Signature]</i>					
wo: WO_5257  Engine - page 1 of 1 Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161					
NT181U hobbs: 3495.1 LYCOMING IO-360-A1A, S/N: RL-13840-51E tsn: 1727.8 TSN 59.1 October 23, 2023 November 1, 2025					
Complied with AD 15-19-07 by inspection of fuel lines and clamps, no discrepancies noted.					
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_5257.					
Taylor Good A&P 3529105 <i>[Signature]</i>					

Page Total: _____

Brought Forward: _____

Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

N7191U



N 7191U

Left ☐ Right ☐

AMERICAN PROPELLER SERVICE

 AMERITECH INDUSTRIES, INC.

Redding Municipal Airport

Redding, California 96002, U.S.A.

PHONE NUMBER (916) 221-4470 / (800) 292-PROP (7767)

FAA REPAIR STATION #NO3R717L / #NO3D717L

PROPELLER LOGBOOK

PROPELLER MAINTENANCE RECORD

Name of Vessel: Boat

☐ Left Prop

☐ Right Prop

☒ Both Props

☐ Starboard

Hull Number: 42 C 124-27

Prop Serial No: CB 10012

Date Rec'd: 7/14/42

Date Rec'd: 8/3/49

No. 1: 1 2819

No. 2: _____

No. 3: _____

No. 4: _____

WORK DONE

Date: _____ By: _____ Name: _____

Title: _____

Signature: _____

Signature: _____

Signature: _____

PROP MODEL
HC-C2YR-1BF
PROP S/N: CH34150-B
REG. NO. 719RU
WORK ORDER
6524-09-2016



Top Gun Aviation, Inc.

1180 S. Lindbergh St.
Sunnyvale, CA 95086 USA
Phone: 209-963-8002

DATE: 10/4/2016
A/C TSN: 3253-61
PROP TT: 3253-61
TS/PH: 1634-61
TACH: 1528-1

Prop Entries

(57) Completed 100hr/Annual inspection.

I certify that this PROPPELLER is airworthy with respect to the work performed.

DATE: 10/4/2016

SIGNED

Mark [Signature]

Work Order: 6524-09-2016

Printed by EBIS 3 (datamedia.com)

IE

Beechcraft

1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6516



WO: 4349 Aircraft: N7191U Tach: 100.5 TTP: (estimated 3361.6) TSO: 0.0 Date: 20 October 2017
Model: Hartzell HC-C2YR-1BF S/N: CH34150-B

Propeller Entry

This aircraft was delivered to our facility for an annual inspection. I was presented with only the current set of log books. I did not have access to any aircraft maintenance history for the airframe prior to 7-20-2011, for the engine prior to 6-21-1994, and for the propeller prior to 9-1-1995 and a lone yellow tag dated 9-22-1988 for a previous propeller overhaul. In reviewing the tach times and component times (TSO / TSN), as required by FAR 91.417(a)(2), in the log entries of these three log books I can say with confidence that engine and propeller total time in service (TSN) are the same as airframe total time in service. I was also able to determine that there have been at least two (2) tach changes. The first tach replacement occurred @ 1725.5 hrs, date unknown. The second tach replacement occurred recently, some time and date between 3-10-2017 when the tach indicated 1535.6 hours, and 6-23-2017 when the tach indicated 86.0 hours. As important as a tach replacement is I could not find any entry stating the tach had been replaced with tach reading off and tach reading on. I would have thought that it was likely that the tach could have been replaced when the instrument panel was replaced 8-10-2015 @ 1465.4 hours tach, yet the hours don't start over, they continue on up to a tach reading of 1535.6, a year and 8 months later. All this means is that the propeller total time in service hours stated in this entry and the annual inspection entries are my best estimates. - END

I certify this propeller is approved for return to service only for the work performed and stated in this entry.

Charles Harvie A/P 3517275

Charles L Harvie

www.advantage-aviation.com

Beechcraft 1903 Embarcadero Road,



Palo Alto, Calif., 94303 650-494-6526



WO: 4349 Aircraft: N7191U Tach: 100.5 TSO: 0.0 TTP: (estimated 3361.6) Date: 20 October 2017
Model: Hartzell HC-C2YR-1BF S/N: CH34150-B

Propeller Entry

Completed Annual Inspection. An AD compliance search found no record of AD2009-22-03 - Prevent prop hub failure causing blade separation. This AD was applicable to this propeller by prop hub having a non-suffix serial number. Removed propeller from aircraft and sent to prop shop. Reinstalled propeller after overhaul by Sullivan Propeller Specialists, Hayward, California, FAARS# S5UR963J under WO# 10791, new hub installed, with same s/n, terminating action for the AD. Prop installed with new crankshaft o-ring, prop bolts torqued and safetywired. Inspected propeller operation, propeller blades, hub, spinner assembly, and governor. Engine run, propeller ops check good. No faults noted at this time. - END

I certify that this propeller has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

James Allen A/P / IA 559294160

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DATE	
Best tach	
time =	
1549.7	
ACTT =	
3275.2	
9-4-18	
Tach	1570.7
ACTT	3296.2
PTT	3296.2
SMOH	21.0

Lightly dressed leading edges.
I certify that this propeller has been inspected in accordance with an annual inspection per FAR 43 Appendix D and was determined to be in airworthy condition.

Rg @ AP534761613 IA



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161 - 530-959-6751

N7181U HARTZELL, HC-C2YR-1BF, S/N: CH34150-B January 20, 2020
Tach: 1648.2 Hobbs: 3406.0

1. Removed spinner and installed new, surplus, unit. Installed (1) 835-33 - Spinner assembly.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_1903.

Jeffrey Fay A&P 2679315



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161 - 530-959-6751

N7181U HARTZELL, HC-C2YR-1BF, S/N: CH34150-B January 20, 2020
Tach: 1648.2 TSMOH: 98.5 Hobbs: 3406.0

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner (replaced with new, surplus unit, see propeller log book entry), hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_1903.

Jeffrey Fay IA 2679315



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161

N7191U HARTZELL, HC-C2YR-1BF, S/N: CH34150-B September 01, 2021
hobbs: 3417.9 tach: 1658.7

1. Removed propeller for engine replacement. Reinstalled with new o-ring.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Sierra Aero LLC under work order: WO_2646.

Maximilian Bizarov A&P 3925219



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161

N7191U HARTZELL, HC-C2YR-1BF, S/N: CH34150-B September 01, 2021
hobbs: 3417.9 tach: 1658.7 TSN: 1658.7 TSMOH: 109.1

1. Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner, hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_2646.

Taylor Good IA 3529105



Sierra Aero LLC - 10356 Truckee Airport Rd. Hangar #1 - Truckee, CA 96161

N7191U HARTZELL, HC-C2YR-1BF, S/N: CH34150-B September 23, 2022
hobbs: 3451.6 tach: 1689.4 TSMOH: 139.8

Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner, hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO_3641.

Maximilian Bizarov IA 3925219



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U
hobbs: 3465.3HARTZELL, HC-C2YR-1BF, S/N: CH34150-B
tach: 1701.4 TSMOH: 151.8

September 21, 2023

Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner, hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. --END-- Details of work performed are on file with Sierra Aero LLC under work order: WO_4144.

Maximilian Ilizarov IA 3925219



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U
hobbs: 3479.6HARTZELL, HC-C2YR-1BF, S/N: CH34150-B
tach: 1713.8 TSMOH: 164.2

October 15, 2024

Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner, hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. --END-- Details of work performed are on file with Sierra Aero LLC under work order: WO_4726.

Taylor Good IA 3529105



Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161

N7191U
hobbs: 3495.1HARTZELL, HC-C2YR-1BF, S/N: CH34150-B
tach: 1727.8 TSMOH: 178.2~~October 23, 2023~~

November 1, 2025

Performed annual inspection per Sierra Aero LLC Inspection Checklist. Visually inspected spinner, hub and propeller blades, no discrepancies noted.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. --END-- Details of work performed are on file with Sierra Aero LLC under work order: WO_5257.

Taylor Good IA 3529105