an feet		INSTALLED EQUIP	MENT								
	ITEM	MANUFACTURER	MODEL	SERIAL NO.							
1,000	ENGINE	Date: 7/ 3/17; N142MP, Mooney M20L, S/N: 26-00	23, Tach Time &	Total Time: 2450.8							
	ENGINE	Complied with annual inspection. Drain oil, added 8									
	PROPELLER	filter. Run up engine, leak check ok. Lubricate aircra	aft, clean fuel scree	ens, service battery and brake							
	PROPELLER	reservoir. Ops & leak check ok. Jack aircraft, remov	reservoir. Ops & leak check ok. Jack aircraft, removed and replaced left and right brake pads per Moo M20L MM, P/N/ APS 66-10500 (4 each). Repacked all wheel bearings, and cycled gear, ok. Cleaned								
	ENGINE	inspected induction filter, due on condition or TT 27	27.4. ELT battery	due change: 7-2018. Tested ELT							
'ime: 2449.5 W.O. # M12858	ENGINE	per FAR 91.207D, next test due 6-2018. Complied v	per FAR 91.207D, next test due 6-2018. Complied with Monroy Aerospace Auxiliary Fuel 7 inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Comp								
	PROPELLER	Garmin GNS-530, GNS-430, and GA56 (Antenna) Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002 and 5-31-2016. Complied with Garmin GDL-49 Instructions									
stalled new #1 Battery, G243, S/N: : G02867241. Serviced and installed new #2	PROPELLER	Reference FAA Form 33 / dated 5-7-2002 and 5-31- Continued Airworthiness (ICA).	VIIII Gaillilli GDL-49 Histractions for								
0.002007241. Set viced and	ENGINE		INSPECTOR FOR								
John Burlaw	ENGINE		Rick Aviation, INC. CRS								
NSPECTOR FOR	PROPELLER		New	port News, Virginia 23602							
Rick Aviation, INC. CRS IVIR104F Newport News, Virginia 23602	PROPELLER										
	ENGINE			-> Gent							
	ENGINE										
	PROPELLER										
	PROPELLER	L Grand									
The second secon											

ITEM	MANUFACTURER	MODEL	SERIAL NO.								
ENGINE	Date: 7/3/17; N142MP, Mooney M20L, S/N: 26-002	23, Tach Time & T	Total Time: 2450.8								
ENGINE											
PROPELLER	Reference FAA Form 337 dated 11-8-2002. Complied with Garmin GTX-330 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 1-10-2003. Complied with Sandel SN3308 Instructions for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-B. Complied with Ryan International 9900 Series TCAD Instructional for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-D. Complied with Vision										
PROPELLER											
ENGINE											
ENGINE	Migra System VM1000/FC100 Engine Monitoring S	Micro System VM1000/FC100 Engine Monitoring System Instructions for Continued Airwordiness									
PROPELLER	(ICA). Reference FAA Form 337 dated 8-16-2005. Complied with Mod works, inc., Mooney M2012 Continental IO 550N conversion Instructions for Continued Airworthiness (ICA). Reference Mod Works,										
PROPELLER	La ICA Degument Number MW8800-508 Comple	Inc., ICA Document Number MW8800-508. Complied with Precise Flight, Inc., 2000 Series Speedbrake Instructions for Continued Airworthiness (ICA). Reference Precise Flight, Inc., ICA Document Number									
ENGINE	00050 Complied with LASAP Noce Gear Truss ()V	ersized Bushing So	ervice Kit mistructions for Continued								
ENGINE	Airworthiness (ICA). Reference FAA Form 337 date & collared and placard "Inop", per FAR 91.213, par	ed 8-16-2005, #1 a	iternator field circuit breaker puned								
PROPELLER	& conact and placed a mop , per 1.11.51.2.5, per 1.11.51.		10 Por Roy leve								
PROPELLER			NSPECTOR FOR								
ENGINE		Rick A	viation, INC. CRS IVIR104F port News, Virginia 23602								
ENGINE		livew _j	port News, virginia 25002								
PROPELLER											
PROPELLER			CONT.								

INSTALLED EQUITMENT

DATE	DESCRIPTION OF ALTERATION	
	Date: 7/ 3/17; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2450.8	
	#1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated". Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated". Removed and replaced left hand aft nav light and lens, P/N: 34-0228030-34, and P/N: 684250066-30. System ground checked satisfactorily. Complied with AD2014-05-29, N/A by type cylinders, factory TCM engine 8-16-05, cylinders not Superior Air Parts. Installed new aluminized fabric, P/N: 1081 heatshield on alternate airduct and naca duct to muffler shroud with new band clamps, P/N: JS 244 (5 each) and new adel clamps, P/N: MS21919DG 50 (2 each) and MS21919WDG40 (3 each) to mount. AD2016-16-12, N/A by factory cylinders installed not ECI W.O. #M12904 INSPECTOR FOR Rick Aviation, INC. CRS IVIR104F Newport News, Virginia 23602	18- 2016
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DATE	DESCRIPTION OF ALTERATION
7-3-17	
->	DATE: ACTI. PROPIT: WO M/2 904 I CERTIPY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS
	DESCRIPTY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) MASS BEEN INSPECTED IN ACCORDANCE WITH A ATMOUNT OF INSPECTION AND WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO
	SEMAGE. (INSPECTOR FOR
	RICK AVIATION, INC. CRS#IVIR104F
	HECKALOUS MERKET AN
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		S/N: 26-023	; Tach Time 2464.	5 W.O. # A5795	
Date: 10/19/2	017; Mooney M20l n 142	INIP, 3/ N. 20 025			
	KI254 Flight Command Ir	lightion S/N 108	. – Install Castle B	erry 504-0027-90504	
Remove King	KI254 Flight Command Ir 99 Flight Direction. Run u	ip Aircraft OPS &	function ok. See a	ittached 8130-3 Burla	10 -
S/N 214F0699	99 Flight Direction, Han e			UNSPECTOR FOR AVICTION, INC. CRS#TVIR104F NEWPERT NEWS, VA	
			RICH	NEWPORT NEWS. VA	_
			,		

D.I.A.	AME OF	PART	SERIAL	INSTALLATION	TIME ON PART	LIFE LIMIT	REMOVAL DATE/HOURS	AGENCY CERT. NO.
	PART	NUMBER	NUMBER	DATE/HOURS	AT INSTALL.	OR T.B.O.	DATE/HOURS	
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1								V ₂
1				Aircraft M	aintenance Sp	pecialist, Inc.		2 · · · · · · · · · · · · · · · · · · ·
1-				Allerate				
1					PLATINUM			
1					AVIBUOR			
					Descheraft 1 CURCEA	UTERS.		
					LYCONING			
				N11.42N/ID		S/N 2	6-0023	ACTT
			28/17	N142MP	M20L	ENITDY"	6-0023	
					M20L	ENITDY"		
	Poplace				M20L	ENITDY"		
	Replace	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG I	ENITDY"		ACTT
	Replace	ad #1 Batter	v Gill G243		M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	ENITDY"	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	
	Replace limits.V	ad #1 Batter	v Gill G243	<u>"All</u> S/N- G029630	M20L RCRAFT LOG E 006 .Ran up ar	entry" nd checked o	charging syste	

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
PART	#1 Battery amp slow be Performed Fuel leak ricorner of ta Removed fright tank a Top coat we Installed tragasket, P/N MILDTL 6 for 48 hour 6.7.8.9 & 1 Left hand se deteriorate.	2MP, Moone not charging: slow fuses bad lengthy engir ght wing at in ank (visible state) transmitte access panel. Sith, P/N: PR1 ansmitter with 1: 610261-003.000D12 hose is. No leaks no and chapte did air gasped in several p	ty M20L, S/N: 2 Troubleshot ched. Removed and re runs, charging a runs on wing sper and fuel tank Seal top of inboto 005LPT. Closed new gasket, Part at cross feed the at crossover in oted. Work per 28-42-00 pager duct deteriora	at INSTALL. 26-0023, Tach arging system d replaced fuse g system ops eter, cross over toar): Removed cross over tub bard rib with, F e bottom access e/N: 462-021 ar ube attach pointerconnect tub formed per Me e 12 screws tor ted. Not supply	OR T.B.O. Time: 2476.8 , found one of per Mooney! Theck good. tube and signs co-pilots seat e and attach act with the per Mooney in the seat of the per Mooney mainten que. ying air flow to		aarging 10 amanual. at inboard abin door. oved bottom or 96 hours. sealant. new N: k let stand napter 28- at tube
					Rick Aviation	PECTOR FOR n, INC. CRS IVIR ews, Virginia 2360	

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

-						QUITE		
NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.	
12-23	tr	cof		Rem	ove G:	243 BA	otteny G-166	
2017	24	77.5			G B296		Service A	
				new	GILL (243 13	stley 5/N 6- \$298-	
	NIYZ	mp		-7667	+ C44	rge Ren	Tom CHANGING	
					VC TIONS	. Au a	ells meet THE	
				\$60	Mune	\$ IN 87	RUOTIONS.	
				INST	AU B	TTTely 1	UPS Ch Oh	
				VAS DETERMINED TO		0	na ro	
					John	a Bow	law	
				RIC	INSPECTOR AVIATION, INC.	FOR CRS#MP104E	- 12 12	
3-48-200	TACH				NEWPORTNE			
	NIYIM	P		Revove	baga	4	-	-
					6-243	Ballen	1	
•				Ruplace	6-243	Gil P	6-03068761	1
							60	

AIRV	Ne							147		Form RAI-6	6G	
- Oik			RICK A	VIAT	ION, IN				CRS:	# IVIR104F	12/2005	RECORD
A.D./BULL. NUMBER		R			ATC		1					
	_ A		ATC TRANSPONDER TEST MODE \$ mode \$ Address: 50125477\$									ATURE NO.
11-2-2018	7	Da	DATE: 8	-2-201	8 WO	RK (12mp					
	1	W	AIRCRAF	T MAI	KE & MO	DEL:	m	C., N	241	, ,	[2500.]	
	~	At 29	AIRCRAF	TOW	VER.				1206		- Ft	
		At Fi	TARCOUR	1011	TLIC.		F BR.	Y HALL			Hg Hg	
		Chec	TD ANIGRO) TD TT	2 () 7 7 7 0			,		8	Tolerance	
		Point	IRANSPO	NDER	MAKE&	z MO	DEL:	GARMIN 6	X 330 S/	84100823	Tolerance	
			MODE A (CODES	7	/		MODE C				
	-	-100	TRANSMIT	T FREC				TRANSMI			+/- 125	
		0	(1090 MHZ +\-	3 MHZ)	/	90		*See FAR 43	Appendix F(d)	* 225	+/- 125	
		500			RE	CEIV		SITIVITY			+/- 125	
		100			(-73 dbm +/	- 4 dbm	n) *LESS T	HAN 1 dbm DIIFI	ERENCE*		+/- 125	
		150	MODE A:		-74		MODE	C: _7	4		+/- 125	
		200	SLS OPER					OPERAT			+/- 125	
	-	300									+/- 125	
		400	FRAMING (Pulse Spacing)	PULS	ES:		INTER (Decoder	ROGATIO	ON WIND(OWS:	+/- 125	
10000		600((x dase opdering)				(Decoder	Limits)			+/- 125	
*		8000	+10		60	X	X	XX	-		+/- 125	
		10000	-10		80	30		- 80	~		+/- 125	
		12000	-15		90	X	X	XX	V		+/- 125	
		14000	- 25		100	X	7.5	XX	V		+/- 125	
		16000	-35		110	X	X	XX	V	A:	+/- 125	
				1		1	⊥/ 125					
				William K town								
				-			NSPEC'		-			
				-	RICK AVIATION, INC. CRS#IVIR104F							
				1	NEWPORT NEWS, VA							
				-		T		# A		1		
	-			-			W. V.	- 11	3012			

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD N142mP DATE & HRS. TYPE OF A.D. NEXT COMP. AUTHORIZED SIGNATURE A.D./BULL ITEM METHOD OF NUMBER AFFECTED AT COMP. CERTIFICATE NO. 1 TIME/RECUR. DATE/HRS./CYCLE COMPLIANCE Date: 8/3/18; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2500.1 Complied with annual inspection. Drain oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Run up engine, leak check ok. Lubricate aircraft, clean fuel screens, with new "O" rings, service battery and brake reservoir. Ops & leak check ok. Jack aircraft, removed and replaced right main tire, P/N: 072-314-0, service tire to 42 psi. Repacked all wheel bearings, and cycled gear, ok. Removed and replaced induction filter, P/N: ED04028, due on condition or TT 3000.1. Removed and replaced ELT battery, P/N: BS2173. ELT battery due change: 7-2020. Tested ELT per FAR 91.207D, next test due 8-2019. Complied with Monroy Aerospace Auxiliary Fuel Tanks' inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Complied with Garmin GNS-530, GNS-430, and GA56 (Antenna) Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002 and 5-31-2016. Complied with Garmin GDL-49 Instructions for Continued Airworthiness (ICA) Rick Aviation, INC. CRS IVIR104F Newport News, Virginia 23602

AIRV	VORTHI	NESS D	IRECTIVE/F	ACTORY	BULLETIN	N COMPLIANCE RECORD
A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
	Date: 8/ 3/	18; N142MF	, Mooney M20L, S	/N: 26-0023, 7	Tach Time & Tota	al Time: 2500.1
						-330 Instructions for Continued ed with Sandel SN3308
						Inc., Document Number
						ional for Continued 111688-D. Complied with Vision
	Micro Sys	tem VM1000	D/EC100 Engine Mo	onitoring Syste	m Instructions for	r Continued Airworthiness
						/orks, Inc., Mooney M20L
						s (ICA). Reference Mod Works, t, Inc., 2000 Series Speedbrake
	Instruction	ns for Continu	ued Airworthiness (ICA). Referen	ce Precise Flight,	Inc., ICA Document Number
						ce Kit Instructions for Continued nator field circuit breaker pulled
					Contract of the Contract of th	spection next annual inspection.
						la Brelew
9,77						SPECTOR FOR
						tion, INC. CRS IVIR104F
					Newport	News, Virginia 23602
NV.						

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.				
	Date: 8/3	/18; N142MF	, Mooney M20L, S	S/N: 26-0023,	Tach Time & Tota	al Time: 2500.1				
	#1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3,									
	ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated".									
	Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated".									
	Due inspe	ection next an	nual inspection. Ins	strument panel	previously placat	ne 8-16-05, cylinders not Superior				
			12, N/A by factory			ente 6-10-03, cynnacis not superior				
			, , , , , , , , , , , , , , , , , , , ,			W.O. #M13163				
			o.			ON BAM Down				
					IN.	NSPECTOR FOR				
						tion, INC. CRS IVIR104F				
					Newpoi	rt News, Virginia 23602				
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					/					
										

AIRV	VORTHI	NESS DI	RECTIVE/F	ACTORY	BULLETIN	that his/her airworthiness ur/installateur s'assure stions by the user state délivrée conformation
A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	Au A
8-03	TACH	TT				N142m
2018	2500.1	2500.1	<u> </u>			ness
	v 37	2 1 1 1 1 1			103000	
Ang.J.	SALV				83-18 ACT	FORM RAI-12 SW. / ENG ITS 44.5 PROP IT: W.O. M. J.
						(AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) MAS ACCORDANCE WITH A APPROVED FOR RETURN TO
1	water t				SEMMOE.	Opla Bulow
					POO	UNSPECTOR FOR K AVIATION, INC. CRS#TVIR104F NEMPORT NEWS, VA
1 3 1						
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	ii .					

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD **AUTHORIZED SIGNATURE** TYPE OF A.D. NEXT COMP. DATE & HRS. A.D./BULL ITEM METHOD OF CERTIFICATE NO. 1 TIME/RECUR. DATE/HRS./CYCLE AT COMP. AFFECTED COMPLIANCE NUMBER PROPELLEN INSTAILED THIS DATE AFTER TAUH over Hyur By SensenicH Properten 2521.6 Service See New Prop Log From Detrails TION INC CRS#MR104F MEMPORT MEMS MA INSPECT LEFTY RIgHT As Lenon ATTACH 3-23 TAOK RUD ENDS+ NO DEFECTS NOTES - CHEUN 2019 2523.6 Up (Duw Thrughin Speas DICK AVIATION INC CRS#MRARA NEW PORTNEWS, VA

AIRV	VORTHI	NESS D	RECTIVE/	FACTOR	BULLETIN	N COMPLIANCE RECORD
A D./BULL. NUMBER	AFFECTED AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE
	k					Salvi Corte No.
	Right wir fiberglass installed i right wing springs w at bell cra aileron tul chapter 27 rudder loc	ng tip nav lens with resin an new nav wing g drops on tak eak and elong nk assembly. be assembly f 7, paragraph 2	cracked and wing d fiberglass cloth. tip lens, P/N: L02 eoff. Removed be gated. Removed sp Check length of for or spring length. V 7-60-00 aileron/r	g tip aft of lens Sand and finis 20-210384-002. Ily panels. Four prings and instal prward and aft a Work done per l	has fiberglass cra h fiberglass repai Ops check nav li nd bell crank asse lled new forward springs. Adjusted Mooney Service a nect system. Reins ad nose wheel trav Rick Avia	acks. Removed lens and repaired r and paint wingtip. Fit and ights and strobe ok. Pilot reports embly for rudder and aileron and aft springs, P/N: 110003-007 aileron stop assembly on left and Maintenance Manual M20L stalled belly panels. Removed wel per Mooney Maintenance SPECTOR FOR tion, INC. CRS IVIR104F News, Virginia 23602

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
	Complied filter. Run reservoir. and inspection Garmin G	with annual of up engine, lead ops & lead cted induction FAR 91.207E of per Monroy	inspection. Drain of eak check ok. Jack airon filter, due on con p., next test due 8-2. Inspection & Mai S-430, and GA56 337 dated 5-7-200.	oil, added 8 qts. ricate aircraft, c craft, repacked a dition or TT 30 020. Complied ntenance Manu (Antenna) Instr	lean fuel screen, seall wheel bearings, 100.1. ELT battery with Monroy Aero al, page 24. No defuctions for Continue 6. Complied with C	bil. Removed and replaced oil ervice battery and brake and cycled gear, ok. Cleaned due change: 7-2020. Tested espace Auxiliary Fuel Tanks' fects noted. Complied with used Airworthiness (ICA). Garmin GDL-49 Instructions for SPECTOR FOR
						ion, INC. CRS IVIR104F News, Virginia 23602
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ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411 N142MP

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.		
	Date: 8/22/19; N	1142MP, Mod	oney M20L, S/N	: 26-0023, Tac	h Time & To	otal Time: 254:	5.1		
	Airworthiness (I Instructions for M11688-B. Con Airworthiness (I Micro System V (ICA). Reference Continental IO- Inc., ICA Docur Instructions for 08059. Complie Airworthiness (I	CA). Referent Continued Ainplied with R (CA). Referent M1000/EC10 (EFAA Form 550N conversement Number Continued Aid with LASA (CA). Referent Continued Form (CA).	rworthiness (ICA) yan International ice Rick Aviation 00 Engine Monit 337 dated 8-16- ion Instructions MW8800-508. rworthiness (ICA) R Nose Gear Trace FAA Form 3	37 dated 1-10-A). Reference Id 9900 Series In, Inc., Docume toring System Id 2005. Complied for Continued Complied with A). Reference Id Source Id Source Id Source Id Id A 16-16-16-16-16-16-16-16-16-16-16-16-16-1	2003. Completick Aviation CCAD Instructions for the Modern Modern Mairworthine. Precise Fligh Bushing Serv. 2005. #1 altern D., 3, ii. Due	tied with Sanden, Inc., Documentional for Cor M11688-D. Cor Works, Inc., Moss (ICA). Refe ht, Inc., 2000 St, Inc., ICA Dovice Kit Instruction	ment Number intinued omplied with Vision Airworthiness intoney M20L interest Mooney M20L interest Mooney M20L interest Mooney Morks, Series Speedbrake ocument Number intinued into interest interest into interest into interest into interest into interest		
	Newport News, Virginia 23602								
		<u> </u>							
			*						

ATE	MANUFACTURER	MODEL	SERIAL NO.	R. 91.411	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO
	Date: 8/22 /19; 1	N142MP, Mo	oney M20L, S/N	N: 26-0023, Ta	ch Time & T	otal Time: 254:	5.1
	ii. Due inspection	on next annua ircuit breaken next annual in AD2014-05-2	I inspection. Pla pulled & collar aspection. Instru 29, N/A by type	card instrumen red and placard ment panel pre cylinders, facto	at panel "ALT "Inop", per eviously place ory TCM eng	FAR 91.213, pa ard "Aircell De	linders not Superior
					Rick Avi	INSPECTOR F iation, INC. CR ort News, Virgi	W.O. #M13419 OR S IVIR104F nia 23602
	k						
			V 200				
				9			

DATE	TOTAL	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
				2 1000		NIYaMP
			0 33 10 ==	FORM RAI-12		
			DATE. WCIT	45. ING T\$ 89. 6 PROP TI 51	99.6 W.0 + m/34	119
			CERTIFY THAT THIS (A	RCRAFT, ENGINE, PROPELLOR, O	R APPLIANCE) HAS	
				ORDANCE WITH A AVAILABLE AIRWORTHY AND APPROVED F		
	14		SEPANCE.	Vala Buff	118	
				INSPECTOR FOR		
			PUCK A	NEWPORT NEWS, VA	104F	
						>

9-17-19 N142MP M20L S/N: 26-023 Tach 2545.1 WOM13431
Removed prop. Installed prop after reindexing with new nuts and lubricate supplied by Sensenich.
Lubricated studs and nuts, prop indexed per Mooney Maintenance Manual, Chapter 61-00-20, page 7.
Torque prop to 50 ft lbs per McCauley instructions. Run up ops and leak check per AFM. No defects noted.

RICK AVIATION, INC. CRS#IVIR104F

	K	ADIO & LLLCTRO	THE CHECKS		
AC MAKE:	Mooney	SPARKC	HASERS	TACH TIME:	2546.3
AC MODEL:	M20L	Aircraft S	ervices, Inc.—	HOBBS:	0029.8
AC S/N:	26-0023		GBOOK ENTRY	A/C REG. #:	N142MP
Date: October 1	17, 2019				
and the Garmin G' equipment requirer At the time of the a through altitude op certified in accord Airworthiness: The Maintenance Manu The FAA Approve Operating Handbo records and other 27577 under Work	TX 3XX Part 23 AML STC ments of 14 Code of Feder above installation, the softwherating envelope of aircrafance with FAR 91.413. e Garmin GTX 345 Instrulal (Garmin Document #1 ed Supplemental Flight ook. The aircraft Weight & documents pertaining to to Order # 10-21012 (10429)	Services, Inc.	by Rev 13, dated September, 2012 zes the previously installed Garm : Main = 2.52, ADSB-In = 3.12. Tiles of FAR Part 43, Appendix E(c) erified upon completion of above s are listed on page 4-1 through a er, 2019). A copy of this ICA was armin Document # 190-00734-15 armin Document # 190-00734-15 ery Listing has been revised to re-	in GNS530W System for position GNS530W System for System GNS530W System for position GNS	ion source. ier checked system was Continued 3X5 ADS-B aft records. In the Pilot's Linspection
				2	

١			R	ADIO.& ELE	CTRONIC C	HECKS	
	DAT					NEVT CHECK	CHECKED BY:
	NA.		er Island Avia				
	Ins 214	talled attitu	de gyro after s check good		tleberry Instrume	ents p/n 504-0027	7-90504 s/n ———————————————————————————————————
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1							
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Form RAL-60

	DO-IAM mor			
RICK AVIATION, INC.	CRS# IVIR104F			
ATC TRA	ANSPONDER TEST			
DATE: 60-8-2020 WORK	ORDER: AS939 N#: NHZIMP			
AIRCRAFT MAKE & MODEL	Mooney M20L			
AIRCRAFT OWNER: Edw.	and Houll			
TRANSPONDER, MAKE & M	ODEL: Garning S/N:3EG 030010			
MODE A CODES:	MODE C CODES:			
TRANSMITT FREQUENCY: (1090 MHZ +\- 3 MHZ) 089,73	TRANSMITT POWER: *See FAR 43 Appendix F(d)*			
RECE (-73 dbm +/- 4 d	IVER SESITIVITY bm) *LESS THAN I divin DIIFERENCE* MODE C:			
SLS OPERATION:	IDENT OPERATION:			
FRAMING PULSES: (Pulse Spacing)	INTERROGATION WINDOWS: (Decoder Limits)			

Verify transponder manufacturers specifications for make and model.

Set up test equipment per manufacturer's instructions.

	170	1 23	28	20	T/- 123
22000	155	-		120	+/- 125
25000		_		140	+/- 125
30000	180				+/- 125
35000	205			160	
40000	230	X	X	XX	+/- 125
45000	255	X	X	XX	+/- 125
		-		250	+/- 125
50000	280			250	

	SEC			Altitude	
65			Differenc	C	
		Error	InHg.	Alt. Diff	Reading
9,950		+/- 75 Ft.	28.10 28.5	-1340	- 19t0 - 1516
7,950		+/- 75 Ft.	29.00 29.50	-863 -392	-1040
15		+/- 30 Ft.	29.92 30.50	+531	+351
50		Fpm +/-100	30.90 30.99	+893 +974	+ 720
	9,950 7,950	9,950 7,950	7,950 +/- 75 Ft. 7,950 +/- 75 Ft. 15 +/- 30 Ft.	Error InHg.	Error InHg. Alt. Diff.

CHECKED BY: SIGNATURE — CERT. NO.

CHECKED

F

.0

VIR104F

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
	Date: Complete of the point of	: 10-06-2020; N14 plied with annual in k ok. Lubricate airce el bearings, and cye 11-022, test ELT pe oer Mooney M20L el bearings. Remov oved, cleaned and e pads. Installed ca Monroy Aerospace uctions for continue 49 instructions for uction for continue	2MP, Mooney M201 Inspection. Drain oil, a straft, clean fuel screen cled gear, ok. Cleaned er 91.207D Due. 9-202 maintenance manual red and installed a nev repacked, installed waliper and brake pads. manual page 24. No used airworthiness (ICA) continued airworthines (ICA)	n, service battery and brake I and inspected induction fil 21. Install new strobe bulb r . Serviced tire to 50 psi. Ren w left main tire per Mooney theel bearings. Removed bra Bleed brakes, ops check go defects noted. Complied wi A). Reference FAA form 337 ess (ICA). Reference FAA fo	oil. Removed and replace reservoir. Ops & leak check ter, due on condition or Tight, ops check ok. Removed, cleaned and repactly M20L maintenance manuake caliper. Replaced pistorod. Complied with Monrotth Garmin GNS530, GNS4: Dated: 5-7-2002 and 5-31 rm 337 Dated: 11-8-2002. Dated; 1-10-2003. Complied: 11688-B.	on "O" ring. Removed and replaced by Aerospace fuel tanks, inspection
						CONT

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
Comp M116 (ICA). Instru Inc. 2 Comp form D 3 ii 91.21 Verifi	10-06-2020; N lied with Ryan i 88-D. Complied Reference FAA ctions for conti 000 series spee lied with Lasar 337 Dated: 8-16 Note: Due at 3 paragraph D 3 ed Aircell Systei	international 9900 set with vision micro sy form 337 Dated: 8-1 nued airworthiness (d brake instructions Nose Gear Trust over 5-2005. Verified #1 al annual inspections. 3 ii. Confirmed placar m circuit breaker pull	ries TCAD instructions stem VM 1000/EC 100 6-2005. Complied with ICA). Reference Mod Vicor continued airworth risized bushing service ternator field circuit by Verified #1 alternator d on instrument paneled and collard and plate in the collard and collard and plate in the collard and collard and plate in the collard in the collar	ach Time & Total Time: 2 for continued airworthing engine monitoring syste in Mod Works Inc Moone Works Inc. ICA document inness (ICA). Reference Pi kit instructions for continues reaker pulled and collard sense circuit breaker pull I "alt 1 field & sense deal	ness (ICA). Reference RAI em instructions for contir y M20L continental + 0-5: MW8800-508. Complied recise Flight Inc. ICA docu nued airworthiness (ICA). d and placard inop per FA led and collard and placa ctivated". Note: Due at a 3 paragrapg D, 3ii. Instru	document number nued airworthiness 50N conversion I with Precise Flight Iment 08059. Reference FAA IR 91.213 paragraph rd inop per FAR nnual inspections. ment panel
Instal	Battery and ru				243 Battery and change u	
				-	July a	Sylaw
		FORM R	AL-12		Inspector Rick Aviation, Inc.	
	60-6-202 DATE: 6-202	17. 2563 ENGTION	PROPTIE U7. 7 H.O.	·m13634	Newport New	
			A ANNUAL INSP			
	WAS DETERMINI SERVICE.	ED TO BE AIRWORTHY AN	D APPROVED FOR RETUR	110		
7		INSPECTO				
		NEWPORT N		* 4		

CHECKED BY: **NEXT CHECK FRROR OR** TYPE OF **EQUIPMENT** TOTAL I. NO. DATE Date: 10-29-2021 Reg#: N421MP Flight Center Hobbs: WFC-Maintenance, LLC. Manufacturer: Mooney Tach: 2578.1 Williamsburg, VA 23185 Model: M20L TTAF: 2578.1 S/N: 26-0023 Complied with Lasar Nose Gear Truss oversize busing service kit instructions for continued airworthiness as per Maintenance instructions by checking for proper torque of torque pivot bolt. Referenced FAA form 337. Complied with Ryan International 9900 series TCAD instructions for continued airworthiness. Checked mounting rack for security. Checked 9900 series TCAD for security in the mounting rack, and inspected the wiring and connectors for security, corrosion and chaffing. Reference document no. 11688-D. Complied with Precise Flight Inc. 2000 series speed brake instructions for continued airworthiness. Reference Precise Flight ICA document 8059 Rev. B dated 03/19/2001. Complied with VM1000/EC 100 engine monitoring system instructions for continued airworthiness referencing FAA form 337 dated 8/16/05. Verified #1 Alternator field circuit braker pulled and collard and placard inop per FAR 91.213 para D(3)(ii). Due at annual inspection. Verified #1 alternator sense circuit breaker pulled and collard and placard inop per FAR 91.213 para D(3)(ii). Due at annual inspection. Verified Aircell System circuit breaker pulled and collard and placard inop per FAR 91.213 par D(3)(ii). Due at annual inspection. Complied with Monroy Aerospace fuel tanks inspection as noted on page 24 of the installation instruction manual dated 12/20/94. Complied with Garmin GNS530, GNS430 and GA56 antenna instructions for continued airworthiness referencing FAA form 337 dated 5/7/2002 and 5/31/2016. Complied

with Garmin GDL49 instructions for continued airworthiness referencing FAA form 337 dated 11/8/2002. Complied with Garmin GTX330 instructions for continued airworthiness referencing FAA form 337 dated 1/10/2003. Complied with Sandel SN3308 instructions for continued airworthiness referencing RAI document M11688-B dated 1/29/2013. Replaced throttle microswith

CONTINUES NEXT PAGE ->

Co	MINUES FROM PREVIOUS	3249	nu nu casulta	BY: CERT. NO.
			Gill AP 3686429). Lubricated aircraft in accordance with	
Mc	ooney service manual. Cleaned indu	ction air filter. Due on condition or T	T 3000.1.	
		*		
Ins	pected ELT in accordance with FAR 9	91.207(d). Battery due date Novemb	er 2022.	
1 ce	ertify this aircraft has been inspected	d in accordance with an Annual inspe	ction and is determined to be in airworthy condition.	
Ker	nneth Panissidi	ДР	3022381 IA	
	Reg#: N421MP	Flight Center	Date: 02-24-2022	
	Manufacturer: Mooney	WFC-Maintenance, LLC.	Hobbs:	
	Model: M20L	Williamsburg, VA 23185	Tach: 2603.4	
	S/N: 26-0023		TTAF: 2603.4	
	Removed LH outer and LH inne	er Main Gear Doors and RH inner Mai	n Gear Door for treating, prime, and paint,	
			ainted inbd side of RH wing leading edge.	
			stalled new Main Gear Shock Discs on RH	
_	and LH Main Gears (8 each p/i	n 07-01127). All secure, return to serv	vice.	
	Derry	1110.10:11		
	James McGill .//WWW	McGill A8	kP 3686429	

Wherethe userinstaller en Statements in Block Licering after he fore the s FAA FORM 81303 (02-14) ADIO & ELECTRONIC CHECKS CHECKED BY: NEXT CHECK FRROR OR TYPE OF SIGNATURE - CERT. NO. DUE RESULTS CHECKon #: N142MP TACH: 2.607.30 Manufacturer: MOONEY HOBBS: A/C Total Time: Part/Model No: M20L Aircraft Serial No: 26-0023 Work Order No: 10-21998 Date: 05/10/2022 Removed GNS430 (PN:011-00280-10) (SN:97109147) and sent to Garmin International for repair. Unit was overhauled under work order: RMA-150184178. Re-installed returned GNS430W (PN:011-00280-10) (SN:97109147), All work performed IAW Garmin GNS 400 series installation manual 190-00140-02 Rev T dated May 01, 2010. Performed Operational test IAW Install Manual, All tests and Inspections completed and passed. THE AIRCRAFT, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH AND CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED WITH RESPECT TO WORK PERFORMED AT THIS TIME IN RETURN TO SERVICE. Pertinent details of maintenance are held in this Repair Station under Work Order No 10-21998 dated . 05/10/2072 Date: 05/10/2001 Signature: Work Order: 10-21998 Certified Repair Station Number: XSPR699K

MINTENANCE RECORD F.A.R. 43.9

DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.

RVICE

Registration #: N142MP Manufacturer: MOONEY

Part/Model No: M20L Work Order No: 10-21998



TACH: 2,607.30

HOBBS:

A/C Total Time:

Aircraft Serial No: 26-0023

Date: 05/10/2022

1	MY20 Multi-Function Display (PN: 430-0270-500), 1 ea Sandel SN3308 Electronic
0	Removed the following Equipment: 1 ea Apollo MX20 Multi-Function Display (PN: 430-0270-500), 1 ea Sandel SN3306 Electronic Removed the following Equipment: 1 ea Apollo MX20 Multi-Function Display (PN: 430-0270-500), 1 ea Avionics Innovations A1-CD (PN: 14001-00), 1 ea HSI (PN: SN3308-00-BL), 1 ea Aircell Guardian 1000 (PN: 400-10445-001), 1 ea Advanced Electronics RSU 21 Relay Unit Pandly-King KG 102A Directional Gyro (PN: 060-0015-00), and 1 ea Advanced Electronics RSU 21 Relay Unit Pandly-King KG 102A Directional Gyro (PN: 060-0015-00), and 1 ea Advanced Electronics RSU 21 Relay Unit
	HSI (PN: SN3-300 to ST), 128 (PN: 060-0015-00), and 1 to 1 t

Installed the following Equipment: 1 ea Garmin Flight-Stream 210 (PN: 011-03257-40) (SN: 3RE010073), 1 ea Garmin GMU 11 (PN: 011-04349-01) (SN: 56J105100), 1 ea Garmin GI-275 ADI (PN: 011-04489-20) (SN: 5MZ202354), 1 ea Garmin GI-275 Battery (PN: 011-04528-00) (SN: 5MZ608637)

Installed Garmin GI 275 ADAHRS+AP (PN: 011-04489-20) (SN: 5MZ202354) with GI275 battery (PN: 011-04528-00) (SN:5MZ608637) and GMU11 (PN: 011-04349-01) (SN: 56J105100) IAW Garmin Part 23 AML STC Installation manual 190-02246-10 REV.11. Performed Operational test IAW Install Manual. All tests and Inspections completed and passed. The

- GI-275 was certified to 20,000 feet in accordance with FAR Part 43, Appendix E. Installed Garmin Flight Stream 210 (PN:011-03257-40) (SN:3RE010073) IAW GNS 500W Series STC Installation Manual 190-00357-02 REV N, Garmin Part 23 AML STC Installation manual 190-00734-10 REV.15, and Flight Stream 110/210 TSO Installation Manual 190-01700-00 REV.H. Performed Operational test IAW Install Manual. All tests and Inspections completed and
- Removed Vision Microsystems INC manifold pressure 15PSIA sensor (PN:3010015) (SN:121942) and installed new Vision Microsystems INC manifold pressure 15PSIA sensor (PN:3010015) (SN:125495). Performed run up test and found system to

THE AIRCRAFT, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH AND CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED WITH RESPECT TO WORK PERFORMED AT THIS TIME IN RETURN TO SERVICE.

Pertinent details of maintenance are held in this Repair Station under Work Order No 10-21998 dated . 0511613092

Signature:

Certified Repair Station Number: XSPR699K

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORI	C PERFORMED ATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SER
-Reconne -Replaced -Installed each mai	ected and secured L/H co d R/H main tire and tube 2 Battery Minder BM-Al in battery. SB50 plugs loc and noted correct operat	with new. IK1 interface kits per supplied instructed in aft baggage storage shelf.	Date: 6-30-2022 Hobbs: Tach: 2615.6 TTAF: 2615.6	THE CHARLED TO SE
				,

MAINTENANCE RECORD F.A.R. 43.9

EDAIPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMI OR APPROVED DATA USED	ED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	Reg#: N421MP Manufacturer: Mooney Model: M20L	WFC-Maintenance, LLC. Williamsburg, VA 23185	Date: 08-18-20. Hobbs: Tach:	22
	S/N: 26-0023	7 manusary, 7 7 23103	TTAF:	
	Replaced spinner support wit	h new McCauley p/n C-6359 and shimmed	d with p/n B3410-32	shims.
	Kenneth Panissidi	- F	AP 3022381	
		Water and the same of the same		
	Reg#: N421MP Manufacturer: Mooney Model: M20L S/N: 26-0023	WFC-Maintenance, LLC. Williamsburg, VA 23185	Date: 08-1 Hobbs: Tach: 2620 TTAF:	-
	Spot painted leading ed	ges of wings. Prepped bare metal areas weed.	ith alodine and epor	xy primer. Finish
	Kenneth Panissidi	lk	AP 3022381	

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED		AGENCY & CERTIFICATE NO.
	Reg#: N421MP	Flight Center	Date: 11-16-2	2022
	Manufacturer: Mooney	WFC-Maintenance, LLC.	Hobbs:	
	Model: M20L	Williamsburg, VA 23185	Tach: 2638.7	
	S/N: 26-0023		TTAF: 2638.7	
		aking fuel tank panel from right wing inboard a		
		802). Leak check satisfactory. Replaced ELT ba		
		ced ships batteries with distilled water. Replac		
		secured and torqued control rod end on prope		
	arm. Repaired crack in p	anel in left hand landing gear well. Oil pressur	e transducer leak	ing at fitting.
	Removed fitting, inspect	ed, reinstalled to proper torque. Cleaned indu	uction air filter. D	ue on condition
		ed through this date referenced AD Too!box.		
				2024
	Inspected ELT model DM	ELT 8.1 s/n 13639E in accordance with FAR 9	1.207(d). Battery	due date November 2024.
,	I certify this airframe ha	s been inspected IAW an annual inspection pe	r CFR 43 appendi	x D and has been
	found to be in airworthy			
	Blu S	Shawn Cole AP314279	AI8	
				d M
-				

MAINTENANCE RECORD F.A.R. 43.9

COMPLETION	IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	THIS	TX 345 TRANSPONDER S/N 3E 5 03001 U EEN TESTED AND FOUND TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF FAR 91 413 (PART 43 APP F). INSPECTOR BAY AVIONICS, LTD. HM1R197K	

MAINTENANCE RECORD F.A.R. 43.9

		F.A.N. 43.3		
DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED		AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	I CERTIF' SYSTEM TE AL EN	AC HRS 2659.2 THAT THE ALTIMETER, ALTITUDE REPORTESTS REQUIRED BY CFR 91.411 HAVE BESTS WERE PERMORMED TO 20, 600 T. 67-10.2023 CODER 67-10.2023 ATIC SYSTEM 67-10.2023 GTX 345 TRANSPONDER S/N 3	DATE DATE DATE DATE	D
		EN TESTED AND FOUND TO BE IN COMP REQUIREMENTS OF CFR 91.413(PART 4 87-10-2083 Rorald & Culpepper 9 INSPECTOR BAY AVIONICS, LTD. HM1R197K	3 APP F).	
		DAT ATTOMOS, 2151		
	-			
	, A. J.	ik .		

ALTIMETER TEST AND INSPECTION REPORT

BAY AVIONICS, LTD. HM1R197K

PRELIMINARY INSPECTION FINDINGS: Inspection By	M Consu	Make	Model ALO	ONEX MAOL		- 10 -2007	
PRELIMINARY INSPECTION FINDINGS: Inspection By	S.L.					- 10 -2003	
INSPECTION FINDINGS: Inspection By	Sall W (- 10 -\$487	
FINDINGS: Inspection By	Sall W (Large barried trag	per g		Dete 67	- 10 Aut)	
FINDINGS: Inspection By	Sall W (berited in	per J		Date 67	-10-2083	
By	Sall W (territed into	per g		Date_ & 7	-10-2087	
By		turined insp	per y		Date_ & 7	-10-2087	
(BLE I (limite (fet)		formined Insp	per y		Date 67	-10-3000	
(Smaller (Set)	Sociales						
	Bacinales.				TABLE III - FRI	CTION .	
		Bilenese		Encoder	Altitude	Tolerane	
	promotion:	444	Error	Error	(fint)	(Set)	Similing.
	(Index of			(Tol. +/- 125			
	(ACCUPATED)			(土)			
1,000	31,018	20	-80	0)		-	
D II	29/020	20	0	8	1,000	70	20 20
200	29.365	20	g	8	2,000	70	20
NED .				9	3,000	70	30
,000	28.856	20	2	The second second	5,000	70	80
500	28.335	25	9	2	30,000	80	20
2,000	27.821	30	9	9	15,000	90	40
3,000	26.817	30	9	9	20,000	100	40
4,000	25.842	35	-10	9	25,000	120	
5,000	23.978	40	-80	P	30,000	140	/
3,000	22.225	60	-30	9	35,000	160	
0,000	20.577	80	-40	0	33,000	100	
2,000	19.029	90	-60		40.000	180	
				0	40,000	180	
I GO LULU	17.577	100		0	40,000 50,000	180 250	
	17.577	100	- 80	8			
16,000	16.216	110	-80	9	50,000	250	
16,000 18,000	16.216 14.942	110 120	-80 -60	8	50,000		DIFFERENCE
14,000 16,000 18,000 20,000	16.216 14.942 13.750	110 120 130	-80	9	50,000	SSURE - ALTITUDE	DIFFERENCE
16,000 18,000 20,000 22,000	16.216 14.942 13.750 12.636	110 120 130 140	-80 -60	8	TABLE IV – PRE (Scale Error Test)	250 SSURE - ALTITUDE	
16,000 18,000 20,000 22,000 25,000	16.216 14.942 13.750 12.636 11.104	110 120 130 140 155	-80 -60	8	TABLE IV – PRE (Scale Error Test) Pressure	SSURE - ALTITUDE	Result
16,000 18,000 20,000 22,000 25,000 30,000	16.216 14.942 13.750 12.636 11.104 8.885	110 120 130 140 155 180	-80 -60	8	TABLE IV – PRE (Scale Error Test)	SSURE - ALTITUDE Altitude Difference (feet)	Result Tol. +/- 25 ft.
16,000 18,000 20,000 22,000 25,000 80,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041	110 120 130 140 155 180 205	-80 -60	8	TABLE IV – PRE (Scale Error Test) Pressure	SSURE - ALTITUDE Altitude Difference (Feet) - 1,727	Result Tol. +/- 25 ft.
16,000 18,000 20,000 22,000 25,000 80,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538	110 120 130 140 155 180 205 230	-80 -60	8	TABLE IV - PRE (Scale Error Test) Pressure (Inches of Hg)	SSURE - ALTITUDE Altitude Difference (feet)	Result Tol. +/- 25 ft.
6,000 8,000 10,000 12,000 12,000 85,000 85,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041	110 120 130 140 155 180 205	-80 -60	8	TABLE IV - PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50	SSURE - ALTITUDE Altitude Difference (Feet) - 1,727	Result Tol. +/- 25 ft
6,000 8,000 10,000 12,000 15,000 15,000 40,000 15,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538	110 120 130 140 155 180 205 230	-80 -60	8	TABLE IV - PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00	SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340	Result Tol. +/- 25 ft.
16,000 18,000 20,000 22,000 35,000 35,000 40,000 45,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355	110 120 130 140 155 180 205 230 255	-80 -60	8	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50	SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863	Result Tol. +/- 25 ft.
16,000 18,000 20,000 22,000 25,000 30,000 35,000 40,000 45,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355	110 120 130 140 155 180 205 230 255	-80 -60	8	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 25,000 80,000 40,000 45,000 55,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	-80 -60	8	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.50 29.92 30.50	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531	Result Tol. +/- 25 ft.
16,000 18,000 20,000 22,000 25,000 85,000 85,000 40,000 45,000 ABLE II – TEST	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	9	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 22,000 30,000 35,000 40,000 45,000 ABLE II – TEST	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	-80 -60	(feet)	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.50 29.92 30.50	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 22,000 22,000 30,000 35,000 40,000 45,000 ABLE II - TEST Test Case Leak Test	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	9	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 22,000 25,000 30,000 40,000 45,000 50,000 ABLE II – TEST Test Case Leak Test Hysteresis Test	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet) 100	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 25,000 25,000 35,000 40,000 45,000 ABLE II - TEST Test Case Leak Test Hysteresis Test First Test Point	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet)	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90 30.99	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 25,000	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet) 100	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 22,000 25,000 30,000 35,000 40,000 45,000 ABLE II - TEST Test Case Leak Test Hysteresis Test First Test Point (50 percent of n	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet) 100	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90 30.99	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 22,000 22,000 25,000 30,000 35,000 40,000 45,000 50,000 ABLE II - TEST Test Case Leak Test Hysteresis Test First Test Point (50 percent of n Second Test Point	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425 TOLERANCES	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet) 100 75	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90 30.99	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft
16,000 18,000 20,000 12,000 12,000 12,000 15,000 15,000 40,000 45,000 50,000 ABLE II – TEST Test Case Leak Test Hysteresis Test First Test Point (50 percent of n Second Test Point	16.216 14.942 13.750 12.636 11.104 8.885 7.041 5.538 4.355 3.425	110 120 130 140 155 180 205 230 255	- 80 - 160 - 160	(feet) 100 75	TABLE IV – PRE (Scale Error Test) Pressure (Inches of Hg) 28.10 28.50 29.00 29.50 29.92 30.50 30.90 30.99	250 SSURE - ALTITUDE Altitude Difference (feet) - 1,727 - 1,340 - 863 - 392 0 +531 +893	Result Tol. +/- 25 ft

MAINTENANCE RECORD F.A.R. 43.9 AGENCY & CERTIFICATE NO. DESCRIPTION OF WORK PERFORMED DATE OF AIRCRAFT TIME WORK PERFORMED/RETURNED TO SERVICE OR APPROVED DATA USED IN SERVICE COMPLETION BAY WO 25277 202 Airport Court, Hangar 3, Suffolk, VA 23434 **AVIONICS**LTD HM1R197K (757) 488-7700 REG: N142MP TACH READS 3222.0 TYPE: M₂₀L DATE: 8/2/2023 Removed GI 275 (s/n 5MZ202354) battery p/n 011-04528-00 s/n 5MZ608627 and installed new battery p/n 010-02304-00 s/n 5MZ615731. Tested battery in accordance with Section 5.12.5 of Maintenance manual 190-02246-11. Battery tested good. This aircraft found to be airworth with respect to the work performed under Work Order #25277. Signed Inspector, Bay Avionics LTD HM1R197K

MAINTENANCE RECORD F.A.R. 43.9

DATE OF

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFOR OR APPROVED DATA USED	RMED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
All draw ridge	Reg#: N421MP Manufacturer: Mooney Model: M20L S/N: 26-0023	WFC-Maintenance, LLC. Williamsburg, VA 23185	Date: 12-05-20 Hobbs: Tach: 2672.7 TTAF: 2672.7	
	or IT 3172.7 or Dec 2026 or a away from airframe. AD's cui	with new Donaldson p/n ED04208 M20 after 5 cleanings. Repositioned right externed through this date referencing AD and the second and the sec	haust tail pipe to direct Foolbox.	t exhaust gasses
	determined to be in airworth		er CFR 43 appendix D	and has been
K	Kenneth Panissidi		AP 3022381 IA	

F.A.R. 43.9

		F.A.N. 43.3		AGENCY & CER	TIEICATE NO
DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORM OR APPROVED DATA USED	MED	WORK PERFORMED/RI	ETURNED TO SERVICE
COMPLETION	INSERVICE				-
-	Reg#: N142MP	Flight Confet	Date: 12-13-202	23	
	Make: CONTINENTAL	WFC-Maintenance, LLC.	Tach: 2673.9		
	Model: IO-550-N16	Williamsburg, VA 23185	TTE:		
	S/N: 687920		TSMO:		
	James McGill	Manifold Pressure holding steady. All secu		irn to service.	
					THE RESERVE OF THE PARTY OF THE

			GENCY & CERTIFICATE N RFORMED/RETURNED TO
Reg#: N421MP	Flight Center	Date: 01-17-2025	EL CONTRACTOR OF THE PROPERTY
Manufacturer: Mooney	WFC-Maintenance, LLC.	Hobbs:	
Model: M20L	Williamsburg, VA 23185	Tach: 2734.1	
S/N: 26-0023		TTAF: 2734.1	
Serviced induction air filter Do	naldson p/n ED04208 M20 filter. Rep	Incoment due en condition	
	ter 5 cleanings. Replaced both left an		
	aced ELT battery with p/n BP-1020. R		
	gs. Removed park brake valve and rep		
	e AN fitting on park brake valve with n		
anding light bulbs with new A	ero-Leds p/n 01-1030-L-A. Secured br	ake hose from chafing structure	
on right main landing gear. Re	torqued nose gear trunion pivot bolts	. AD's current through this date.	
nspected ELT model DM ELT 8	3.1 s/n 13639E in accordance with FAF	R 91.207(d). Battery due date March 2027	
I certify this airframe has been	inspected IAW an annual inspection	per CFR 43 appendix D and has been	
determined to be in airworthy			
	1		(*
Cenneth Panissidi		AP 3022381 IA	
			<u></u>

F.A.R. 43.9 AGENCY & CERTIFICATE NO **DESCRIPTION OF WORK PERFORMED** WORK PERFORMED/RETURNED TO SE DATE OF AIRCRAFT TIME OR APPROVED DATA USED IN SERVICE COMPLETION Date: 02-24-2025 Reg#: N142MP Tach: 2736.2 WFC-Maintenance, LLC. Make: CONTINENTAL TTE Williamsburg, VA 23185 Model: IO-550-N16 TSMO: S/N: 687920 Removed both left and right magnetos and replaced primary contact points p/n 10-382584 and condensers p/n 10-400615. Internally timed magnetos referencing TCM Service Support Manual publication X42002 3. Installed magnetos and set engine timing to spec. Adjusted TCM fuel pump low pressure referencing TCM SID97-36E to specs. Adjusted Idle speed and idle mixture along with low pressure adjustment. High pressure adjustment withing specs. Ground run and magneto check satisfactory. AP3022381 Kenneth Panissidi

WEMAKE. Mooney

SPARKCHASERS

TACH TIME: 2750.9

MODEL: M201

Aircraft Services, Inc.

HOBBS:

ECS/N-

26-0023

AIRFRAME LOGBOOK ENTRY

A/C REG. #: N142MP

May 30th, 2025

Found Garmin GI275 backup battery PN:011-04528-00 SN:5MZ615731 to be bad. Replaced with new Garmin Gi275 backup PN:011-04528-00 SN:5MZ622011. Performed battery calibration run down test and operational checks are good. see performed IAW Installation Manual STC Part 23 GI 275 190-02246-10 Rev.19, Details related to work performed an file under work order 10-22565.

Mooney

SPARKCHASERS

2750.9 TACH TIME:

WODEL: M20L

Aircraft Services, Inc.

HOBBS:

26-0023

AIRFRAME LOGBOOK ENTRY

A/C REG. #: N142MP

Tempored the following: Airbourne Fuel Quantity Gauge PN:9A1620-2, 2ea. OEM fuel quantity sender (Inboard Pilot and Zea. OEM fuel quantity sender (Outboard Pilot and Copilot). B. Installed the following: 2ea. Cies Fuel Senders PN: 220709-101 (SN: MY2010 Pilot Outboard) (SN: MY2011 Co-Pilot Outboard), 2ea. Fuel Quantity Senders PN: 220708-101 (SN: MY2008 Pilot Inboard) (SN: MY2009 Co-Pilot Inboard) C. The above Cies fuel senders were IAW SA02511SE and Cies installation instructions Document number: CC-TR-2840-03 Rev. F. The fuel quantity The faced to a JPI 900 system and fuel calibration was performed IAW Cies installation instructions Document CC-TR-2840-03 Rev. F and J.P. Instruments Installation Manual Report # 908, Rev. M, dated 07/10/2021 D. A ensive ground test were conducted to document and validate the conformity and proper operation of the installed ent. Customer will perform test flight upon arrival. E.The aircrafts supplemental equipment listings and weight and have been revised to reflect the above installations. F. The following Instructions For Continued Airworthiness ments have been placed in the permanent aircraft records: STCSA02511SE Installation Manual & Instructions for Daminued Airworthiness CC Series Fuel Level Sender CC-TR-2840-03 Rev. G. All inspection records and other documents to this major alteration are on file at Sparkchasers Aircraft Services, Inc., 3149-B Swift Creek Road, Smithfield, was 27577 under Work Order Number 10-22565. See attached 337 dated 05/30/2025

At P4074592IA Started RS 7PM

SPARKCHASERS

AC MAKE: Mooney

AC MODEL: M20L

14

AC S/N: 26-0023

Aircraft Services, Inc.

AIRFRAME LOGBOOK ENTRY

TACH TIME: 278

HOBBS:

A/C REG. #: N1421/F

A. Removed the following: 1ea. Vision Microsystems Vm1000 PN:4010050 SN:89046 engine monitor with all associated engine s Installed the following: 1ea. JPI EDM900 PN:790000-A SN:14022, 1 ea. J.P. Instruments Fuel Flow Transducer P/N: 700900-1 Switch ea. J.P. Instruments Oil Temperature Probe PN: 400509 SN:16157, 1 ea. J.P. Instruments OAT Probe PN: 400510 SN:19055, 1 ea. J.P. Instruments Oil Pressure Transducer PN:159936 SN:13032, 1 ea. J.P. Instruments Manifold Pressure Transducer PN: 159934 St. 200 ea. J.P. Instruments RPM Sensor PN: 420815-2 SN:169789, 6 ea. J.P. Instruments CHT Probes PN: M-5050, 6 ea. J.P. Instruments CHT PN: M-5050, 6 ea. J. Probes PN: M-111, 1 ea. J.P. Instruments Shunt 50 mV/0-100 amp PN: 159920,1 ea. J.P. Instruments EDM-900 Remote Alarm Light Probes PN: M-111, 1 ea. J.P. Instruments Shunt 50 mV/0-100 amp PN: 159920,1 ea. J.P. Instruments 790547, 1 ea. J.P. Instruments Fuel Pressure Sensor PN: 159938 SN:10203, 1 ea. J.P. Instruments Fuel Quantity Cable PN: 750555 Instruments P1 Harness PN: 790200, 1 ea. J.P. Instruments P2 Harness PN: 700700, 1 ea. J.P. Instruments P3 Harness PN: 790200, 1 J.P. Instruments P4 Harness PN: 700708, and 1 ea. J.P. Instruments P5 Harness PN: 790723. C. The above J.P. Instruments EDM-Section 1. Primary Engine Data Management System with all sensors/ harnesses was installed in accordance with J.P. Instruments Installed Manual Report # 908, Rev. M, dated 07/10/2021. This field approval was needed due to STC SA01435SE not covering a Mooney W201 existing STC SA02624AT modification. Verified all engine gauge markings and operational checks were good. D. A functional graces check was performed and the above J.P. Instruments EDM-900 Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System was found to function normally Engine Data Management System (and the System System). aircraft Weight & Balance and Equipment Listing have been revised accordingly. F. The FAA Approved Airplane Flight Manual Supplementations of the second sec # 930-0001 Rev. E, dated March 28, 2016, has been installed in the aircraft Pilots Operating Handbook. G. Instructions for Communications Airworthiness: ICA Instructions are contained in Supplement No. 905-01, Rev. E, dated 05/24/2014. A copy of this ICA has been page the permanent aircraft records. H. All inspection records and other documents pertaining to this major alteration are on file at Sparkchasers Aircraft Services, Inc., 3149-B Swift Creek Road, Smithfield, NC 27577 under Work Order Number 10-22565, dates 10/09/2024. See attached 337 dated 05/30/2025