N69MB

ser# 27-0353



The Standard

WARCRAFT LOG

ASA-SA-T

Aircraft Record General In	formation			a region to b	nonell to my Grant program.
Manufacturer MOONEY A	PRIANE (POLICE Mode	el	M201	1
Serial 27-0353		,			
Date of Manufacture	2006				
Engine(s) currently installed:					
Manufacturer Lycoming	Model7	70-540-	AFIB	Serial	L-12240-61A
Manufacturer	Model			Serial	
Propeller(s) currently installed					
Manufacturer McCAUCEY	3-BLA	DE Mode	B3D3	20417-L) 16-82 NRD-7
HUB Model					
Blade Model	_Serial ZC	-26261	Serial ZC	-26267	_ Serial ZD-26356
Blade Model	Serial		_ Serial	er Winds - L.	Serial

		Notes
	E STARTS	
WARNING -THIS PROPELLER HAS BEEN DYNAMICALLY BALANCED-		
Each aircraft has an engine/propeller imbalance and amplitude different than others due to manufacturing tolerances in engine and/or propeller.		
Dynamic balancing is not required but smother operation will result when the engine & propeller are balanced as an integral unit.		
Propellers that have been dynamically balanced require special consideration when any maintenance is to be done on the engine or propeller. There are balance weights bolted to the spinner bulkhead and these may require removal, depending upon the maintenance action being done. If the propeller is replaced or overhauled the weights shall BE REMOVED from the spinner bulkhead prior to engine start up.		
It is at the owner's discretion to have the propeller/engine combination dynamically balanced after maintenance which may disturb the original balanced condition. Use of a Chadwick Helmuth dynamic balancing system is recommended but may not be the only means to accomplish this balance condition.		
Mooney Airplane Company		

YEAR: 2006 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.)
1-29			5,2	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY.
1-30			5.9	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRPLANE
				SPECIFICATION 020009 AND FOUND SATISFACTORY. PC135W
				PC135W

YEAR: 2006 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.)
1-30			5.9	Contract of the second
		6P5	1	6P52
	The G	PS Navigation	on System, Make	The GPS Navigation System, Make
	this A	Model Q	een Ground/Fligh	this Aircraft has been Ground/Elight
	Airplan	n accordant ne Co. Specif	ification 020009	tested in accordance with Mooney Airplane Co. Specification 020009
	and is Flight F	Rules, Enrou	or use under instructe and Non-Prec	rument and is approved for use under instruction
	approa	aches only.	1. 10	approaches only.
	Signed Moone	ey Airplane C	0., Inc. PC	Signed Mooney Airplane Co., Inc. 2012511
				FCISSO

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 tests required been per MOONEY	that the eured by F	encoding altin	required by FAR 91.411 have been performed. MOONEY AIRPLANT COMP. TC2A3 PC13SW "I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) meter Airworthiness Certificate Dated // 30.000

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.)
			MAKE: MOO MODEL: M2 S/N: 27-035 REG. NO: N WORK ORI 1213-11-20	A/C TSN: 85.7 Repair Station No. CRS# MPYR456X N131US DER: Kerrville, TX 78028
			(1) Insta Lights of Type De 210384- Replace	e Entries Illed AS&T TKS Ice Protection System refer to form 337 dated 12/18/06(28) Replaced Landing Inly with new Precise Flight Xenon Landing Lights in accordance with Mooney Airplane Company Esign Drawing Number 210417(31) Replaced LH & RH wingtip lenses pn 210384-001 & 1002 with new(35) CW Mooney SB M20-291A by correcting wiring at flap pot connector(37) Ed pitot heat switch pn 930023-305 with new(38) CW Mooney SB M20-292 by removing material In firewall and tubular frame, installing correct hardware and torquing to spec.
			Federal A	aft or components identified above on N131US was repaired and inspected in accordance with current rules of the Aviation Regulations and was found Air vorthy for return to service. Pertinent details of the repair are on file at this ation under Ebis 3 Work Order No. 1213-11-2006.
			DATE: 12	Brian Kendrick Certified Repair Station No. CRS# MPYR456X Work Order: 1213-11-2006 Printed by EBis 3 (datcomedia.com)

YEAR:	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 Encility (See back pages for other specific entries.)
DATE				Facility. (See back pages for other specific entries.)
			2/1	/07 N131US S/N 27-0353 ACTT: 106.9
				al inspection IAW the Mooney Service Manual 5-20-06 to include the thru 2007-02. Investigated TKS leak from belly section of aircraft.
	Tightened f	ittings on	manifolds.	Operation and leak check good at this time. Complied with ELT
	operational			
				AW an annual inspection and was found to be in airworthy condition with
	respect to the	ne work pe	erformed.	Muin Chun
				Michael Cantrell A&P2818792IA
-				

YEAR: DATE	MAKE: Mooney MODEL: M20-M S/N: 27-0353 REG: NO: 131US WORK ORDER: 3061-03-2007	Top Gun Aviation, Inc. 6100 S. Lindbergh St. Stockton, CA 95206 Phone: 209-983-8082	DATE: 4/17/2007 A/C TSN: HOBBS: 137 3 epa
	proportioning unit P/N P check OK (7) Replace	e lamp, function check OK (3) Replaced missing TKS U300DW73, S/N AST064430 & installed proportioning used MFD M/N GDU 1040, S/N 88900272 with MFD M/N G AD 07-05-04 Engine mount attach PCW IAW SB M20-2	unit P/N PU300DW73, S/N AST06G861, Function GDU 1040, S/N 88901293, uploaded new nav data
	I certify that this AIRCRAFT DATE: 4/17/2007	signed Signed Signed	Work Order: 3061-03-2007
		Mark T, Rouch, IA: 566531421 IA	Printed by EBis 3 (datcomedia.com)

YEAR:	Pro-Flight Aviation, Inc. 243 W. Perimeter Rd. Renton, WA 98055							
DATE	3/10/2008	Mooney M20M	N131US Hobbs: 20	1.2 AFTT: 201.2				
	replaced - next through 2008-0	due March, 2014. Luber 04. Replaced fuel pump s	Inspected and tested ELT IAW FA d flight controls. All applicable A seal drain hose. Replaced RH taxi se with an annual inspection and w	.D.s complied with light. I certify that this				

RECORDING TODAY'S TOTAL Description of Inspections. Tests. Renaire and Alterations YEAR: N131US, 04-10-09, 235.9 Hobbs, 235.9 TTAF ,Engine & Propeller. C/W Mooney 100 hr type Annual Inspection Checklist. Airworthiness Directives C/W through issue 04, 07/08 C/W AD 04-10-14, Lyc Prop Strike, N/A by on condition C/W AD 08-14-07 Ext. Mounted Fuel Injector lines, Next due @ 335.9 TT AD 09-02-03, Precision RSA-5 Fuel Injection unit, N/A by not installed Time frame, one time AD 08-19-05, ECI Cly P/N 65102 series, N/A by not installed. AD 07-05-04, Upper Enginr mount PCW 12/18 /06 SB M20-291a & SB M20-292, one time AD 03-13-17, Props by T & W Propeller, N/A by not installed AD 05-14-11, Props by So Cal Prop, N/A by not installed. Compression @ #1-78, #2-78, #3-80, #4-78, #5-79, #6-78, Plugs cleaned and rotated. O2 cly hydrostatic test revised to 5 years as per DOT SP-1194 cert base next due @ sept 2011. Original O2 bottle stamped into service Sept 2006. Battery boxes inspected, Batt no service required. Fuel filter cleaned, no sediment. Oil filter cut open, no metal. Installed new Champ 48110-1. Exhaust system inspected, no leaks. TKS system checked for operation, satisfactory. Retraction system accomplished, all horns and lights operational. ELT FAR 91:207 D C/W Batt date 03/11. Checked turbo blades in and out, resaftied all Turbo clampd,(4). serviced Hyd system. Installed new Airfilter P/N EDO 4028, Spruce P/N 08-07056. Installed new fuel cap O-Rings P/N MS29513-338. Pulleys, cables and controls inspected for security, function and freedom of movement, lubed as needed. Post ops leak check satisfactory. I certify this Airframe and Engine is approved for return to service as per FAR 43:11, A,1, (4) (5) END Roland W. Johnson Mgr FAA-LLC, 1713979 IA

DATI	American Avionics, 7023 Perimeter Rd. Seattle, Wa 98108	sts, Repairs and Alterations Rating and Certificate Number of Technician or Repair cific entries.)
	CERTIFIED AIRWORTHY As required by FAR 91.411 and/or 91.413 Performed in accordance with FAR Part 43 appendices "E" and/or "F".	
	Altimeter to 5,000 Ft.	
	1 Static System Test	
	Integrated System Test	
	ATC Transponder Test	
	Signed Live Date 3-18-2008 Inspector CRS#1AMR980Y	

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.)
Inspector C/W C/W AD 0 COM O2 com O2 com Fuel Exharman Aero D C/ Pulle Post is ap	AD 04-10-10-10-10-10-10-10-10-10-10-10-10-10-	cklist. Air 14, Lyc F 07 Ext. M pper Eng Cl cyl as 2 #1-76, a tic test re de stamp ed, no se inspecte wt Retra 2 03/11. (and cont neck sati return to	worthiness Prop Strike, Jounted Fundament I Jounted Fundament I Jo	Directives C/W through issue 19:, 12/13 N/A by on condition el Injector lines, Next due @ 362.3 TT PCW 12/18 /06 SB M20-291a & SB M20-292, one time N AEL65102 series N/A by not installed 0, #4-76, #5-75, #6-75, Plugs cleaned, tested and rotated. years as per DOT SP-1194 cert base next due @ sept 2011. vice Sept 2006. Battery boxes inspected, Batt no service required. I filter cut open, no metal. Installed new Champ 48110-1. S. TKS system checked for operation, satisfactory installed 9 qrts em accomplished, all horns and lights operational. ELT FAR 91:207 rbo blades in and out, resaftied all Turbo clampes, (4). serviced Hyd system. ted for security, function and freedom of movement, lubed as needed ertify this Airframe and Engine per FAR 43-14, (a)(4)(5) END Roland W. Johnson

YEAR:	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 Rep
DATE				Facility. (See back pages for other specific entries.)
			Ame	erican Avionics 7023 Perimeter Rd. Seattle, Wa 98108
				N13145
				CERTIFIED AIRWORTHY /
				As required by FAR Part 91.411 FAR Part 91.413
			Perl	erformed in accordance with FAR Part 43 appendices "E" and "F".
			2_Altimete	eter to 25,000 Ft. IAW part 43 Appendix "E", paragraph "b"
			/Integrat	ated Systems Test IAW Part 43 Appendix "E", paragraph "c"
			Static S	System Test IAW Part 43 Appendix "E", paragraph "a"
			1	ATC Transponder Test IAW Part 43 Appendix "F"
			w/o 62	2834 Date 1 July 2010
			Signed	Inspector CRS# 1AMR980Y

YEAR:	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
N131US,	08-20-11, 2	296.2 Ho	bbs, 296.2	TTAF ,Engine & Propeller. C/W Mooney 100 hr type
Annual In	spection Cl	necklist.	Airworthine	ess Directives C/W through issue 11, 16/17
C/W AD	04-10-14, Ly	c Prop S	Strike, N/A	by on condition
C/W AD	08-14-07 Ex	t. Mount	ed Fuel Inj	ector lines, Next due @ 396.2 TT
AD 09-02	-03, Precisi	on RSA-	5 Fuel Inje	ction unit, N/A by not installed Time frame, one time
AD 09-26	-12, ECI CI	y P/N 65	102 series	, N/A by not installed.
AD 07-05	-04, Upper	Engine r	nount PCV	V 12/18 /06 SB M20-291a & SB M20-292, one time
AD 11-13	-03, Machir	ning debr	is, N/A by	not installed.
				by not installed.
				1-77, #5-78, #6-77, Plugs cleaned and rotated.
			_	Inv.# 892342, next 08/2016.
Installed ratisfactors Batt date Installed ratification of the second contract of the secon	new Champ ry. Retraction 05/2014. Clause Ice new Ice light of movemen	48110-1 on syster hecked to t P/N PS it, lubed	Exhaust n accompliant of the complete of the c	required. Fuel filter cleaned, no sediment. Oil filter cut open, no metal. system inspected, no leaks. TKS system checked for operation, ished, all horns and lights operational. ELT FAR 91:207 D C/W is in and out, resaftied all Turbo clamps,(4). serviced Hyd system. Fulleys, cables and controls inspected for security, function and Post ops leak check satisfactory. I certify this Airframe and Engine AR 43.11, (a)(4) (5) END Roland W. Johnson
	-LLC, 1713		P	

EAR:	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
ATE			Local III	Facility. (See back pages for other specific entries.)
	the	Mooney	100 hr insp	5.9 TT since new Prop. I certify this propeller has been inspected as per bection and Annual checklist and is approved for return to service as 5) END Roland W Johnson 1713979 IA,,Mem FAA-LLC.
Date	8 /14/2012	N131US	2006 M-20N	M S/N 27-0353
Ned				
TACH	1: 343.7		Hobbs: 348.	8
l cert	ify that this Al	RCRAFT h	as been inspe	cted in accordance with an ANNUAL inspection and was found to be in an
AIRW	ORTHY condi	tion. The f	following wor	k was performed: Lubed all rod ends and hinges and checked lights. Jacked aircraft
				and emergency extension tests with no defects noted. Removed and replaced left
				battery due 04-2014. C/W AD 12-05-09 by visual inspection per SB M20-313-1, no
defec	ts noted. All	AD's check	ced thru this d	date, see sheet for compliance. All work was performed according to current FAR's
and is	s approved for W Tripp 5945	return to	service.	Ly 9-14-2017

EAR:	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
ATE			Local III	Facility. (See back pages for other specific entries.)
	the	Mooney	100 hr insp	5.9 TT since new Prop. I certify this propeller has been inspected as per bection and Annual checklist and is approved for return to service as 5) END Roland W Johnson 1713979 IA,,Mem FAA-LLC.
Date	8 /14/2012	N131US	2006 M-20N	M S/N 27-0353
Ned				
TACH	1: 343.7		Hobbs: 348.	8
l cert	ify that this Al	RCRAFT h	as been inspe	cted in accordance with an ANNUAL inspection and was found to be in an
AIRW	ORTHY condi	tion. The f	following wor	k was performed: Lubed all rod ends and hinges and checked lights. Jacked aircraft
				and emergency extension tests with no defects noted. Removed and replaced left
				battery due 04-2014. C/W AD 12-05-09 by visual inspection per SB M20-313-1, no
defec	ts noted. All	AD's check	ced thru this d	date, see sheet for compliance. All work was performed according to current FAR's
and is	s approved for W Tripp 5945	return to	service.	Ly 9-14-2017

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.)
			Facility. (See back pages for other specific entries.)
The Alti 91.411	meter/Alti was perfo	tude Reporti rmed and co	ng/Static system test required by FAR omplies with FAR 43 Appendix E.
			quired by FAR 91.413 was performed pendix F.
W/O#_	10804	1	Date 8/15/12
Signatu	re	/ 100 Ces Port Or	CRS#G43R643N Installations, Inc. Installations, Inc. Installations
	The Alti 91.411 The ATC and con W/O#_	The Altimeter/Alti 91.411 was perfo The ATC Transport and complies with	The Altimeter/Altitude Reports 91.411 was performed and co The ATC Transponder test re and complies with FAR 43 Ap W/O#

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.)
			Facility. (See back pages for other specific entries.)
The Alti 91.411	meter/Alti was perfo	tude Reporti rmed and co	ng/Static system test required by FAR omplies with FAR 43 Appendix E.
			quired by FAR 91.413 was performed pendix F.
W/O#_	10804	1	Date 8/15/12
Signatu	re	/ 100 Ces Port Or	CRS#G43R643N Installations, Inc. Installations, Inc. Installations
	The Alti 91.411 The ATC and con W/O#_	The Altimeter/Alti 91.411 was perfo The ATC Transport and complies with	The Altimeter/Altitude Reports 91.411 was performed and co The ATC Transponder test re and complies with FAR 43 Ap W/O#

YEAR:	TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repa Entries must be endorsed with Name, Rating and	Certificate Number of Technician or Rep
DATE				Facility. (See back pages for other specific entries	.)
	MAKE MOO MODEL M2			North American Flight Services	DATE 17 September, 2012
	S/N 27-035; REG NO N WORK ORD	3 131US ER	NORTHAME	Repair Station No. N0MR725J 405 Greenfield Avenue Ballston Spa. NY 12020	A/C TSN: TACH.
	3158-09-201	2		Phone: 518-885-5470	
	Airframe	Entries	ON CARMIN		
	Airframe UPDATED	Entries SOFTWAR	ON GARMIN RENCE TO GA	G1000 TO VERSION 0401.30. OPERATIONAL CHECKS ARMIN M20M G1000 MAINTENANCE MANUAL.	S SATISFACTORY. ALL WORK
	Airframe UPDATED PERFORM The aircraft, Federal Avia	Entries SOFTWARI ED IN REFE	RENCE TO G	G1000 TO VERSION 0401.30. OPERATIONAL CHECKS	accordance with current regulations of the
	Airframe UPDATED PERFORM The aircraft, Federal Avia is approved to reflected on	Entries SOFTWARI ED IN REFE	aft engine, propell etion and the aircra rvice with respect	G1000 TO VERSION 0401.30. OPERATIONAL CHECKS ARMIN M20M G1000 MAINTENANCE MANUAL. ler, or appliance identified above was repaired and / or inspected in aft/engine/ propeller/appliance manufacturers maintenance manufacturers maintenance manufacturers.	accordance with current regulations of the

YEAR	TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests Entries must be endorsed with Name, Rat Facility. (See back pages for other specific	ing and Certificate Number of Technician or Repair	r
-						
	MAKE: MOONEY MODEL: M20M S/N: 27-0353	(M) Not	RTHAMERICAN	North American Flight Services Repair Station No. NOMR725J	DATE: 17 September, 2012 A/C TSN: TACH:	
	REG. NO. N131US WORK ORDER	W 1110		405 Greenfield Avenue Ballston Spa, NY 12020		

Airframe Entries

3158-09-2012

UPDATED SOFTWARE ON GARMIN G1000 TO VERSION 0401.30. OPERATIONAL CHECKS SATISFACTORY. ALL WORK PERFORMED IN REFERENCE TO GARMIN M20M G1000 MAINTENANCE MANUAL.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and the aircraft/engine/ propeller/appliance manufacturers maintenance manual instructions and procedures. This aircraft is approved for return to service with respect to the above work performed. Further details are on file at this repair station under the work order number reflected on this log entry.

DATE: 17 September, 2012

SIGNED:

Robert Lord
Certified Repair Setion No. NOMR725J

Phone: 518-885-5470

Work Order: 3158-09-2012

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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.)
A SECTION AND A SECTION ASSESSMENT		Mary and a second	ALIGNATURE	



Rich Air 443 Queensbury Avenue Warren County Airport (GFL) Queensbury, NY 12804 Tel 518-798-3091 Fax 518-615-0774

Date: 9/25/2013; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 431.40; Tach:; Total Time: 431.40; Engine - Type: LYC TIO-540-AF1B, S/N:, Time: 431.40

Shop Order #: S-13-0879, Closed: 9/25/2013

- Removed both Magnetos & inspected internally per Slick / Unison 500 hr inspection & service information.
 Re-installed, timed, sync and ground run OK...
- 2) Replaced all brake pads on both gear.
- 3) Operate, leak check and clean TKS system.
- 4) ELT linspected and operationally checked per 91.207(d)
- 5) C/W AD 2011-26-04 by inspection of fuel injection system per Lyc. MSB 342E next inspection due by 531hrs.

This aircraft has been Inspected in accordance with an Annual Inspection and has been determined to be Airworthy.

Charles McPhee, A&P 3476507 IA

EAR:	RECORDING TACH TIME	TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations	ຳ or Repair
ATE		SUNCOAST MAINTENANCE CENTER 224 E. Airport Ave. Venice, Florida 34285 (941) 484-6546 Fax (941) 488-1442	
		N131US AIRFRAME LOG TACH: 460.2 DATE: 11/27/13	
		INSTALLED REPAIRED STEC CONTROL COMPUTER P/N: 01192-6-45TF, S/N: 0540-9008 PER STEC INSTALL MANUAL. OPERATIONAL CHECKED OK.	
		ZURIEL Y OLAYVAR AP3108620	

EAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspection Entries must be endorsed with N	is, Tests, Repairs ar Name, Rating and Certifi	nd Alterations cate Number of Technician or Repair				
DATE	MAKE: MODEL: MOD	M20M B53 N131US RDER:	North	North American Flight Repair Station No. N0MR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470	Services	DATE: 17 April, 2014 A/C TSN: 483.4 TACH: 483.4				
	Airframe Entries									
	STEC-55X AUTOPILOT COMPUTER P/N: 01192-6-45TF, S/N: 0540-9008. OPERATIONAL CHECKS SATISFACTORY. ALL WORK PERFORMED IN REFERENCE TO STEC 55X INSTALLATION MANUAL, AND MOONEY M20M MAINTENANCE MANUAL. REMOVED INOP BULB AND REPLACED WITH NEW BULB P/N: 02-0250276-00. REF MOONEY AMM CHAP. 33. OP CHECK GOOD. REMOVED STEC 55X TRIM SERVO P/N: 0106-14-T6, S/N: 0542-20498CEFJ AND SENT IN FOR STEC RECOMMENDED UPGRADE. INSTALLED REPAIRED STEC 55X TRIM SERVO P/N: 0106-14-T11, S/N: 0542-20498CEFJ. OPERATIONAL CHECKS SATISFACTORY. ALL WORK PERFORMED IN REFERENCE TO STEC 55X INSTALLATION MANUAL AND MOONEY M20M MAINTENANCE MANUAL.									
	Federal Avis approve reflected of	viation Adminis	tration and the air service with response	peller, or appliance identified above was reparcraft/engine/ propeller/appliance manufacturect to the above work performed. Further details	rers maintenance manual instr	uctions and procedures. This aircraft				
				co Alvarado	Prin	nted by EBis 3 (datcomedia.com)				

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	RICH GLENS FALLS L	AIR AKE GEORGE		Rich Air 443 Queensbury Avenue Warren County Airport (GFL) Queensbury, NY 12804 518-798-3091 Fax 518-615-0774	
	LYC TIO-54	0-AF1B, S	raft: N131US; /N:, Time: 32, Closed: 1	Type: M20M; S/N: 27-0353; Hobbs: 519.30; Tach:; Total Time: 519.30; Engine - Type: 0/14/2014	
	Sent to Per (Fuel 1b) Installe 2) Replace	nn Yan Aer l & air diapl ed repaired ed both Mai	o services for hrams replace servo, Leak (n gear tires w	model RSA-5AD1 Pn: 61J21008 Sn: 70A72205. inspection & Repair as necessary. ed. see Penn Yan W/O# 40516-14 dated 10/9/14) Ck'd and ground run. Idle mixture adjusted as needed. eith new Condor 6.00x6-6 tires; inspected & reused tubes. Balanced as required	
_	3) Remove length.	all 3 deice	fluid boots fr	om Propeller & Install new style Hartzell replacements pn 102155 cut to original boot sted and operationally checked per 91.207(d) next Batt. replacement due by: 10/20/16	
_				ccordance with an Annual Inspection and has been determined to be Airworthy.	
				David E. Kouth David Routh, A&P 3047215 IA	

YEAR:	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
DATE	3.007			Facility. (See back pages for other specific entries.)
	(w			Rich Air
		11/1		443 Queensbury Avenue
	DICII	AID	'	Varren County Airport (GFL) Queensbury, NY 12804
-	GLENS FALLS LA	KE GEORGE	Tel 51	18-798-3091 Fax 518-615-0774
-	Date: 11/10/2 TIO-540-AF1	2015; Aircra	aft: N131US;	Type: M20M; S/N: 27-0353; Hobbs: 612.9; Total Time: 612.9; Engine - Type: LYC
	Shop Order #			
_	1) Battery #2	2 failed load 24-15 (se	d test - battery	#1 came up to serviceable limits.(re-installed in the #2 position.) 54) installed in position #1 after topping charge.
	2) Replaced	Left & righ	t gear Brake p	hecked per 91.207(d) next Batt. replacement due by: 10/2016
	4) CIVV AD 2	010-19-07	by inspection	of fuel injection system per Lyc. MSB 342G - next inspection due by: 722 Hobbs out of certification per 91.413 unit placarded & customer notified.
				cordance with an Annual Inspection and determined to be Airworthy.
				Charles McPhee, A&P 3476507 IA

LANCASTER AVIONICS, INC.	500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N	
LOG ID# 4278 18-May-2016	WO# 20986 HOBBS 631.4	
	ONEY M20M	

#3 ALTIMETER

Pg 1/1

Repair

**** ITEM # 20986-2 CALIBRATE GDC74A AIRDATA COMPUTER ****

DISCREPANCY: AIRDATA COMPUTER HAS A 25 FT ERROR @ ZERO FT AND 29.92" Hg WHICH EXCEEDS ALLOWABLE TOLERANCE.

Model: GDC74A Serial#: 47805130

ACTION: PERFORMED GDC74A CALIBRATION PROCEDURE I.A.W. GARMIN G1000 LINE MAINTENANCE MANUAL NO. 190-00303-04, REV. D, JANUARY, 2007 AND SERVICE ADVISORY NO. 0720, GDC74(X) FIELD CALIBRATION TOOL. **** ITEM # 20986-3 ADJUST STANDBY ALTIMETER ****

DISCREPANCY: BAROMETRIC CORRECTION SCALE HAS +40 FT ERROR @ ZERO FT AND 29.92" Hg WHICH EXCEEDS ALLOWABLE TOLERANCE.

Model: 5934p-1 Serial#: 449904

ACTION: ADJUSTED BAROMETRIC CORRECTION SCALE TO MEET IFR CERTIFICATION SPECS I.A.W. FAR 91.411 AND FAR 43, APPENDIX E.

*** ITEM # 20986-4 REPAIR STATIC SYSTEM LEAK ****

DISCREPANCY: STATIC SYSTEM HAS A 450 FT/MIN LEAK @ 1,000 FT AGL WHICH EXCEEDS ALLOWABLE TOLERANCE.

ACTION: ISOLATED LEAKS AT SEVERAL SOURCES. SEALED FITTINGS ON THE GDC74A AIRDATA, STANDBY ALTIMETER AND AIRSPEED. ALSO SEALED AIRSPEED BEZEL SCREWS. REPLACED DEFECTIVE SECTION OF STATIC LINE BETWEEN AIRSPEED INDICATOR AND AUTOPILOT ALTITUDE TRANSDUCER. FINAL LEAK CHECK ANALYSIS IS WITHIN ALLOWABLE

LYCE REED

TOLERANCE WITH A 2 FT/MIN LEAK @ 1,000 FT AGL.

LANCASTER AVIONICS INC. CRS # LN7R261N LANCASTER AVIONICS INC

I CERTIFY THAT THE ALTIMETER, ENCODER AND

STATIC SYSTEM TESTS REQUIRED BY FAR 91.411

LOCATIFY THAT THE TRANSPONDER (S)

HAVE BEEN PERFORMED VAN FAR 43 APPENDIX E

UNIT TYPE TESTED TO

#1 ALTIMETER GARMIN Z5000

#2 ALTIMETER DIVINED Z5,000

UNIT TYPE
#1 TRANSP (TX 33

TEST REQUIRED BY FAR 91.413 HAS BEEN

PERFORMED VAW FAR 43 APPENDIX F

YEAR:	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
DATE					STAG
				reraft Distributors, Inc.	
		Mainte	nance Relea	ase N131US	
		A	irframe Logl	S/N: 27-0353	
		Installe	d new Mic	helin Air tire on nose wheel using new Michelin Airstop tube. cked wheel bearings. —END—	
6		Federal A	aft identified a Aviation Admir s repair station	above was repaired and inspected in accordance with current regulations of the nistration and is approved for return to service. Pertinent details of the repair are on under	
		Order	No: 16206	Certified Repair Station No: DY1R103K	
		Inspect	or: Toll	Troy M. Santangelo Date: May 20, 2016	
			500-1	B Airport Road, Lancaster Airport, Lititz, PA 17543	
	91-8	31.5		SIGN (SYSTEM TEST DATE S-18-16 SIGN (SYSTEM TEST DATE S-18-16 SIGN (SYSTEM TEST DATE S-18-16	

YEAR:	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			Tel: 5	443 Queensbury Ave Warren County Airport (KGFL) Queensbury, NY 12804 518.798.3091 Fax: 518.615.0774
	722.0; E 1.C/W A 2. Inspe 3. C/W next due 4. C/W since in 5. C/W replace 6.Repla 7.Repla 8.Repla This aid and has Char	Annual inspected ELT particle 6/21 AD 2017-1 Spection, and 84-26- ment by 12 ced #3 EG ced L&R named 6 each reraft has been four les Mc Phe	pe: LYC TIO bection per FAR 91.2 6-01 Ameri-k 6-01 Fuel injult to/h or syste 02 Paper ind 22 hobbs T probe with hain tires with hatteries an	n new Condor 600x6 6plys and ops checked ,next battery change due 6/22 and in accordance with an annual inspection orthy.

YEAR:	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.)
DAIL	Engine -	Type: LYC	Tel: 51 ircraft: N131U : TIO-540-AF1	Rich Air 443 Queensbury Ave Varren County Airport (KGFL) Queensbury, NY 12804 8.798.3091 Fax: 518.615.0774 IS; Type: M20M; S/N: 27-0353; Hobbs: 734.2; Total Time:; IB, S/N:, Time:
	ops chec	ked		anit,Alcor 86240 Cle Mifle

EAR:	Rich Air 443 Queensbury Ave	rations mber of Technician or Repair
TE	Warren County Airport (KGFL) Queensbury, NY 12804 Tel: 518.798.3091 Fax: 518.615,0774	nber of rechinician of nepai
	Date: 8/23/2021; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs:; Total Time: 735.0; Engine - Type: LYC TIO-540-AF1B, S/N:, Time: 735.0 1.C/W Annual inspection 2 C/W AD 2017 -16-01 Ameri-King by inspection & operation per IM -450 manual and per FAR part 91.207(d) ops check battery due 6/22 3.Oxygen bottle service life has expired and due replacement and has been deactivted and placarded inop. 4 AD 2020-19-06 Does not apply by serial number or date, original governor, never overhauled serial #002437 5Replaced rt recognition light assy 6.C/W AD2015-19-07 inspect Fuel injection lines per par (c) & MSB342 w/i	
	110 hrs since last insp.,,at O/H or system maintenance 7.TKS system ops checked and found to be operating normally 8. Performed retraction test on landing gear and operated emergency extention performed normally	
	This Aircraft has been inspected in accordance with an Annual Inspection and has been found to be Airworthy. Charles McPhee AP3476507IA	

YEAR:	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.)
ATE				racility. (See back pages for other specific critically
	3 October			N: 27-0353 Tach Time: 748.3
				072-314-0 / inner tubes PN: 092-500-0. Replaced LH/RH main tires
	600.00-6/	6/120 PN	: 072-314-0	LH SN: 1013T00012 RH SN: 1011T00107/ inner tubes PN: 092-500-0.
	Inflated 4 owner/op		Installed wit	th MS24665-134 cotter pins. 8130s for tires and tubes provided to
				END
	Robert To	1 a	n to service 1962541A	(With respect to work completed above)
1				
MAN OF		The second secon		

YEAR:	NUMBER TIM	TAL ME IN RVICE	The second secon	vorthines nological L			and Method	of Complianc	е			
DATE	Megral	la Familia	n Prome	iller, Rotor				VE COMPLIANCE I	ECORU		N 13	1146
	Aitela	ic, agir	e, riqe	Titer, Rotor	or April							4-9.
		Date Received	Subject	Compliance Due Date Nours/ Other	of	of	Airframe Total Time In Service at Compliance	Component Total Time In Service at Compliance	Time	Pecur- ring	Next Comp. Due Date Nours/ Other	Authorized Signature, Certificate Type and Number
	C/W AD C/W AD AD 09-0	04-10 08-14 02-03,	tion Cl -14, L -07 Ex Precis	hecklist. yc Prop s kt. Mount ion RSA-	Airworthi Strike, Nated ted Fuel	ness Dir A by on Injector li njection u	ectives C/ condition nes, Next init, N/A b	R Propeller. W through due @ 339 y not instal	issu 5.9	ie 04, TT	07/08	

YEAR:	TOTAL TIME IN SERVICE	1				Service Book of the service and Methods	ulletins nod of Complia	ance	rigit/file	na sklad	ngilles (
'Alrer	aft, Engl	no, Prop	eller, Roto	APPENUIX 1.		CHARLIS AND ADDRESS OF THE PARTY OF THE PART	VE COMPLIANCE :	RECORU	-	N_L	3100	
	·			•						_	6-10.	_
UD lumber and vmandment lumber	Date Received		Compilance Due Date Nours/ Other	of	Date of Compliance	Airframe Total Time In Service at Compliance	Component Total Time In Service at Compliance	Time	Recur- ring	Camp.	Authorized Signature, Certificate Type and Number	Re
Inspec C/W A C/W A AD 07-	tion Ch D 04-10 D 08-14 05-04,	ecklist 0-14, L 4-07 E Upper	. Airworth yc Prop xt. Moun Enginr r	hiness D Strike, N ted Fuel nount PO	irectives /A by on Injector I CW 12/18	C/W throu condition ines, Nex 3 /06 SB N	Propeller. ugh issue 1 t due @ 36 1/20-291a 8 N/A by not	9:, ²	12/13 TT M20			12,
						•						0.00

AD lumber and lumendment Amber			Other	of Compliance		Airframe Total Time In Service at Compliance	Component Total Time In Service at Compliance	Time	100	Comp. Due Date Hours/ Other	Signature, Certificate Type and Number	
N131	US, 08	3-20-11	, 296.2 F	lobbs, 29	96.2 TTA	F ,Engine	& Propelle	r. C/	W M	onov 1	100 hr hm	е
Aiiiu	iai ilisp	ection	Checkiis	ι. Airwoπ	niness D	irectives (C/W through	h iss	ue 11	1, 16/17	7	
UIVV.	AU U4-	10-14	I vc Pror	Strike	N/A by or	n condition						-
C/W	AD 08-	10-14,	Ext Mou	nted Fue	Injector	linon No	4 4 0 0	96.2	т			B
AD 0	AD 08- 9-02-03	10-14, 14-07 3, Prec	Ext. Mou	nted Fue A-5 Fuel	Injector Injection	lines, Ne	xt due @ 3	96.2 alled	TT Time	frame	one time	9- 73
AD 0	AD 08- 9-02-03 9-26-12	10-14, 14-07 3, Prec 2, ECI	Ext. Mou ision RS/ Cly P/N 6	nted Fue A-5 Fuel 35102 se	I Injector Injection ries. N/A	lines, Ne unit, N/A	xt due @ 3 by not insta	alled	Time			979- FD
AD 0: AD 0: AD 0:	AD 08- 9-02-03 9-26-12 7-05-04	10-14, 14-07 3, Prec 2, ECI 1, Uppe	Ext. Mou ision RS/ Cly P/N 6 er Engine	nted Fue A-5 Fuel 55102 se mount F	I Injector Injection ries, N/A PCW 12/	lines, Ne unit, N/A by not ins	xt due @ 3	alled	Time			BT - Pr PE 11
AD 09 AD 09 AD 09 AD 19	AD 08- 9-02-03 9-26-12 7-05-04 1-13-03	10-14, 14-07 3, Prec 2, ECI 4, Uppe 3, MacI	Ext. Mounision RS/ Cly P/N 6 er Engine hining de	nted Fue A-5 Fuel 55102 se mount F bris, N/A	Injector Injection ries, N/A PCW 12/2 by not in	lines, New unit, N/A by not ins 18 /06 SB installed	by not instantalled. M20-291a	alled	Time			Bt - Pr PE 1711
AD 09 AD 09 AD 09 AD 19	AD 08- 9-02-03 9-26-12 7-05-04 1-13-03	10-14, 14-07 3, Prec 2, ECI 4, Uppe 3, MacI	Ext. Mounision RS/ Cly P/N 6 er Engine hining de	nted Fue A-5 Fuel 55102 se mount F bris, N/A	Injector Injection ries, N/A PCW 12/2 by not in	lines, Ne unit, N/A by not ins	by not instantalled. M20-291a	alled	Time			By - Pr P5/11/
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