

AIRCRAFT MAINTENANCE RECORDS

N

N921XP

AIRFRAME

LOG BOOK



AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED
CARRIED FORWARD →		SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK

3/15/2024 N921XP Mooney M20B Airframe Logbook

Tach Hours: 5683.6 :: Airframe TT: 5683.6

Completed Annual inspection in accordance with FAR 43 Appendix D..

Checked all lights, checked battery. Inspected ELT IAW 91.207(d), batt. exp. 03/2028 Inspected and lubed nose wheel assy. Checked and lubed flight controls, checked flight control travels. Checked tires, wheels and brakes. Serviced brake master cylinders with 5606 oil. Cleaned fuel strainer. Replaced vacuum regulator filter with new P/N: ARB3-5-1. Checked seats, belts and stops. Checked AD's thru BW 2024-04. All work completed IAW Mooney MM.

I certify that this Aircraft has been inspected in accordance with a Annual inspection and was determined to be in an airworthy condition.

Signed _____

Teddy Grodzki 3504006 A&P

4256-08-2024 (08-29-2024)

MAKE: Mooney
MODEL: M20B
S/N: 1905
REG. NO: n921xp

Don Maxwell Aviation Services, Inc.
390 Central Road
Longview, Tx 75603

Page 1 / 1

W/O #: 4256-08-2024
DATE: 08-29-2024

Airframe Entries

(1) Removed wing due to corrosion. Replaced wing assy with a customer supplied bare serviceable wing from BAS aircraft parts. Installed wing inspection panels that were not supplied with wing. Replaced wiring to nav light, stall vane. Replaced line to Pitot tube. ... (2) Strip and reseal both wing fuel tanks using Flame Master CS3204A2. CS3304B2 and CS3330B2... (3) Fabricated new belly panels that were ground thru from previous gear up from .032 2024T3 sheet. Replaced ground off bow tube from previous gear up. Fabricate side fairing.... (4) Replaced all 11 Lord landing gear shock disc... (5) Replace nose tire and tube

Don Maxwell A&P 1784050

DATE: 08-29-2024

SIGNED: _____

Don Maxwell
A&P or IA Number: 1784050

WORK ORDER: 4256-08-2024

Printed by EBIS (EBISCloud.com)

Date: 07/13/2025 Hours: TACH 5721.0

Tail#: N921XP

Make: Mooney

Model: M20B

S/N: 1905

I certify that this aircraft has been inspected and determined to be in an airworthy condition in accordance with FAR 43 appendix D and Mooney Service Manual Annual inspection. Lubed airframe, and MLG, cleaned and packed wheel bearings. ELT Op check complete IAW 91.207(d), battery exp MARCH 2028. Checked Landing gear preload. Complied with all applicable Airworthiness Directives

Dwight Henderson

Cert: 3596687 A&P / IA

Sign: _____

TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED
SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK		
CARRIED FORWARD →		

Deland Aviation

N921XP DATE 13-Oct-20 TACH 5490.6

AIRCRAFT	S/N	M20B-1905	TOTAL TIME
ENGINE	S/N	L-1780-36	5490.6
PROPELLER	S/N	CH41295B	UNK

INSPECTION:
AN ANNUAL INSPECTION WAS PERFORMED IN ACCORDANCE WITH 14CFR 91.409 AND 14CFR 43 APPENDIX D

MAINTENANCE NOTES:

REPLACED INDUCTION FILTER. SERVICED: HYD. FLUID. SERVICED BATTERY AND TIRES. INSPECTED ELT AS PER FAR 91.207d - BATT. DUE 12-2023. REPAIRED SAGGAGE DOOR ARM. REPLACED RMG TIRE. REPLACED GENERATOR MOUNT BOLT. REPLACED #1 CHT PROBE AND REPAIRED WIRING. REPLACED MISSING BATTERY BOX SUPPORT MOUNT H/W.

SEE WORK PACKET AT THIS FACILITY FOR ADDITIONAL MAINTENANCE

AIRWORTHINESS DIRECTIVES:

A.D. RECORDS CHECKED THRU REVISION DATE	13-Oct-20
C.W. A.D. 73-21-01, BY LUBE. RE-OCCURS EVERY 100 HRS - DUE	5590.6
A.D. 77-17-04, RE-OCCURS EVERY 500 HRS - DUE NEXT	5796.1
FW AD 17-16-01 AMERIKING ELT - DUE EVERY 12 MO - THIS NEXT	13-Oct-21

CERTIFY THAT THE AIRFRAME IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS FOUND TO BE AIRWORTHY. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE

TECH KNEES A&P# 2928839 IA

N921XP/AIRFRAME LOGBOOK/ 10-Dec-21

AIRCRAFT S/N: 1905 TACH: 5574.8 TTAF: 5574.8

Completed an annual inspection to this airframe per 14CFR-91.409 and 14CFR appendix D.

Inspected cabin: parking brake, rudder pedals, control wheels, pulleys and cables. Opened fuselage and empennage inspection panels: inspected control cables, stabilator and rudder surfaces, control stops and attachments, fuel lines, valves, gauges, and lubed all hinges, pulleys, rod ends. Inspected, serviced and lubed landing gears. Removed all wheel assy, removed, cleaned, inspected, and repacked all wheel bearings, and re installed all wheel assy. Inspected ELT per FAR 91-207, battery due date: Dec. 2023. Opened right fuel tank and sealed it. Removed and installed new fuel drains.

AD record checked thru revision date 10-Dec-21

I certify that this airframe has been inspected IAW current regulations of the FAA and was found to be airworthy and is approved for return to service
Maintenance flight required.

Renel Azulphar A&P/IA 4069555

Maintenance flight performed by:

Felipe Sierra
Felipe Sierra License# CF1 2598106

Date: 12-14-21

AGE

WARD TO NEXT PAGE

N921XP/AIRFRAME LOGBOOK/

AIRCRAFT S/N: 1905 TACH: 5644.7 TTAF: 5644.7

Completed an annual inspection to this airframe per 14CFR-91.409 and 14CFR appendix D.

Inspected cabin: parking brake, rudder pedals, control wheels, pulleys and cables. Opened fuselage and empennage inspection panels: inspected control cables, stabilator and rudder surfaces, control stops and attachments, fuel lines, valves, gauges, and lubed all hinges, pulleys, rod ends. Inspected, serviced and lubed landing gears. Removed all wheel ASSY, removed, cleaned, inspected, and repacked all wheel bearings, removed and replaced all wheel bearings to limits and re installed all wheel ASSY. Inspected ELT per FAR 91-207, battery due date: Dec. 2023

AD record checked thru revision date 11-Dec-21

I certify that this airframe has been inspected IAW current regulations of the FAA and was found to be airworthy and is approved for return to service
Maintenance flight required.

ulphar A&P/IA 4069555

N321X



ARTEX AIRCRAFT SUPPLIES, INC.
14405 Kell Rd. NE Aurora, OR 97002
(503) 678-7929 800-547-8901

LOG BOOK ENTRY

Sep 2001

E.L.T. BATTERY

REPLACEMENT DATE

Oct 2003



The Standard

AIRCRAFT LOG

ASA-500

Sky Broker Aviation, LLC CRS# 6KBR436D KSFB 407-505-7769 ALTIMETER RTS CARD			
Altimeter Make/Model	United 5934PA-1	SN	147923 (pilot)
Altimeter Make/Model	N/A	SN	N/A (copilot)
Air Data Computer	N/A	SN	N/A
#1 Txpr	Appareatus ESG 153510-000017	SN	080200
#2 Txpr	N/A	SN	N/A
#1 Altitude Reporter	ACK A-30.2	SN	34668
#2 Altitude Reporter	N/A	SN	N/A
Static System (pilot)	OK	Static System (copilot)	N/A
The tests required by FAR 91.411, 91.413 and 91.217 have been performed in accordance with FAR 43 appendix E paragraphs (a), (b) and (c) and appendix F. Tested to <u>20K</u> feet.			
WO#	004	Date	9/16/2019
Technician	4264829	Signature	[Signature]

[illegible]

Deland Aviation

N921XP DATE 1-Aug-19 TACH 5394.8

AIRCRAFT	S/N	M20B-1905	5394.8	
ENGINE	S/N	L-1780-36	5394.8	511.1
PROPELLER	S/N	CH41295B	UNK	169.9

INSPECTION:
AN ANNUAL INSPECTION WAS PERFORMED IN ACCORDANCE WITH 14CFR 91.409 AND 14CFR 43 APPENDIX D

MAINTENANCE NOTES:

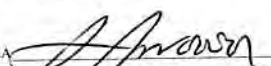
REPLACED INDUCTION, VAC RELIEF. SERVICED: HYD. FLUID. SERVICED BATTERY AND TIRES. INSPECTED ELT AS PER FAR 91.207d - BATT. DUE 12-2023. REPAIRED BAGGAGE DOOR FRAME AND ARM. REPAIRED "LOW" VAC LIGHT WIRING AND LAMP. SWUNG COMPASS WITH MASTER COMPASS. REPAIRED LANDING LIGHT WIRING. REPAIRED LANDING LIGHT LENS BRACKET. REPLACED LEFT NAV LENS. REPLACED TURN COORDINATOR WITH OVERHAULED UNIT. REPLACED FUEL SELECTOR PLACARD. REPLACED RH FUEL TANK PLACARD.

SEE WORK PACKET AT THIS FACILITY FOR ADDITIONAL MAINTENANCE

AIRWORTHINESS DIRECTIVES:

A D RECORDS CHECKED THRU REVISION DATE	1-Aug-19	
C/W A D 73-21-01, BY LUBE, RE-OCCURS EVERY 100 HRS - DUE		5494.8
A D 77-17-04, RE-OCCURS EVERY 500 HRS DUE NEXT		5796.1

I CERTIFY THAT THE AIRFRAME IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS FOUND TO BE AIRWORTHY. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

ROBERT BROWN A&P# 3182126 1A 

Inspections, Tests, Repairs and Alterations

Recorded with Name, Rating and Certificate Number of Technician or Repairman for other specific entries.)

YES

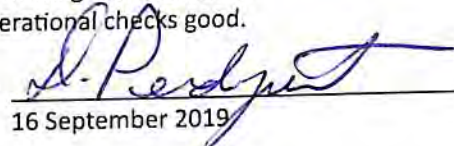
DA1

SKY AVIONICS, HANGAR #4251, S.E. RAMP, SANFORD-ORLANDO INTERNATIONAL AIRPORT
P.O. Box 4852, Sanford, FL 32772 407-505-7769

Make/Model: Mooney M20-B A/C Reg: N921XP A/C Serial No: 1905 Tach: 5,399.3

1. Removed existing transponder and installed and tested Appareo Stratus ESG ADS-B compliant transponder p/n 153510-000017 s/n 080200 and Rami GPS WAAS antenna p/n AV-801 s/n 192701 and Stratus 3i receiver p/n 153510-000115 WiFi ID Stratus 3i 002969 I/A/W Appareo : Stratus ES/ESG Installation Instructions 600840-000032 Rev. 2.2 dated 9/12/18 and FAA Policy Notice No. N8900.362. Form 337 filed this date.
2. Inserted FAA Approved Airplane Flight Manual Supplement, Appareo Document No. 606586-000075, Rev. 2.0 dated September 20, 2017 in the POH. Reference Instructions for Continued Airworthiness, Appareo Document No. 600845-000025, Rev. 2.2 dated February 20, 2018.
3. Electrical load analysis confirms that load requirements within 80% of rated capacity.
4. No change in weight and balance.
5. Ground operational checks good.

Dennis Pendergast
AP 2774570 IA


16 September 2019

Deland Aviation

N921XP

DATE: 15-Jan-19

TACH: 5296.1

TOTAL TIME

AIRCRAFT: SN: M20B-1905
ENGINE: SN: L-1780-36
PROPELLER: SN: CH1295B

412.4
71.2

5296.1
5296.1
UNK

INSPECTION: AN ANNUAL INSPECTION WAS PERFORMED IN ACCORDANCE WITH 14CFR 91.409 AND 14CFR 43 APPENDIX D.

MAINTENANCE NOTES:

REPLACED INDUCTION, VAC RELIEF, AND CENTRAL AIR FILTERS. SERVICED: HYD. FLUID. SERVICED BATTERY AND TIRES. INSPECTED ELT AS PER FAR 91.207 - BATT. DUE 12-2023. REPACKED ALL WHEEL BEARINGS. REPAIRED SEAL IN LH AND RH FUEL TANKS. C/W A.D. 85-24-03, CLEARED ALL DRAIN PASSAGES. REPLACED LH AND RH FUEL TANK DRAIN VALVES. RIGGED AILERON TRAVEL AND STOPS. REPAIRED STALL LIGHT AND HORN. BLEED BRAKES. ADJUSTED DOWNLOCK TENSION. C/W S.B. 208.

SEE WORK PACKET AT THIS FACILITY FOR ADDITIONAL MAINTENANCE.

AIRWORTHINESS DIRECTIVES:

A.D. RECORDS CHECKED THRU REVISION DATE.

C/W A.D. 73-21-01, BY LUBE, RE-OCCURS EVERY 100 HRS. - DUE:

A.D. 77-17-04, RE-OCCURS EVERY 500 HRS. DUE NEXT:

15-Jan-19

5396.1
5796.1

I CERTIFY THAT THE AIRFRAME IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS FOUND TO BE AIRWORTHY. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

BERNHARD G. JUTTING JR. A&P# 20002051A

15 July 19

Work, Repairs and Alterations

(Date, Description of Work, Name of Technician or Repair Shop, and Certificate Number of Technician or Repair Shop.)

Mooney M20B
Tach: 3356.0

S/N: 1905

N 921XP

June 7, 2019

Remove and Replace battery with new Concord RG35 and ground strap.

NAME

Billy D. Webb

SIGNATURE

CERTIFICATE#

A256962739

Work

Name of Technician or Repair Shop

Spectrum Aero, LLC
4009 5th St. Ste. 102
Kissimmee, FL. 34741
706-463-2960



11.05.2017
Mooney
M20B
S/N: 1905

Inspections, Tests, Repairs and Alterations

Name, Rating and Certificate Number of Technician or Repair
or specific entries.)

Airframe:

N921XP

T:5235.2

Complied with Annual Inspection IAW FAR 91.409 using FAR 43.15(C)2
appendix D and Mooney M20 inspection checklist as a guide. Adjusted and
rigged flap system. Replaced main battery with new. Replaced induction
filter with new. Replaced vacuum system filters with new. Replaced co-pilot
PTT switch with new. Repaired cabin door latch. Installed wire harness for
strobe power supplies on left and right wing. Replaced sections of wire for
left and right NAV lights. Rebuilt NLG linkages. Replaced tail NAV light bulb
and lens with new. Performed gear swing/cycles with no defects noted. A.D.
compliance current through 2017-18. CMW FAR 91.207 ELT inspection with
no defects noted. Battery next due DEC 2023. I certify that this airframe has
been inspected IAW an annual inspection and determined to be in airworthy
condition.

C. Wilson
Charles Wilson
A&P3114515 I.A.

ALTIMETER

Altitude	Scale Error	Tol ±	Friction ±	Case Leak 18,000' ± 100'
-1000	0	20	-	Hysteresis ±75'
0	0	20	-	Altitude
500	20	20	-	40% 8000 ±15
1000	15	20	35 70	50% 10000 ±15
1500	15	25	-	After Effect ±30'
2000	20	30	80 70	Barometric Scale Difference
3000	10	30	80 70	28.10 = 1730 -1727
4000	8	35	-	28.50 = 1340 -1340
5000	-	-	50 70	29.00 = 970 -883
6000	20	40	-	29.50 = 395 -392
8000	30	60	-	29.92 = 0 0
10000	35	80	45 80	30.50 = 530 531
12000	35	90	-	30.90 = 890 893
14000	35	100	-	30.99 = 970 974
15000	-	-	60 90	Altitude S/N
16000	10	110	-	H7923
18000	40	120	-	Make Model Part #
20000	3	130	45 100	United 5934PA-1
22000	-	140	-	Master Altimeter P/N & S/N
25000	-	155	120	124-00006/418254
30000	-	180	140	Date Tested
35000	-	205	160	3-30-18
40000	-	230	180	Technician
45000	-	255	-	Signature
50000	-	280	250	Certificate # JL5R476X

Tested in compliance with FAA FAR 43 Appendix E
Calibrated to 20K Ft. W.O. # R1299
Volusia Aviation, Inc. 923 Beville Road South Daytona, FL 32119 FAA CRS # JL5R476X
386-290-1663

Inspections, Tests, Repairs and Alterations

Endorsed with Name, Rating and Certificate Number of Technician or Repair
or specific entries.)

IFR

The tests required by FAR 91.411, 91.413, & 91.217 have been
performed in accordance with FAR 43 appendix E paragraphs
(a), (b), & (c) and appendix F.

W.O. # R1299 Tested to 20K feet
Altimeter Model 5934PA-1 s/n H7923 (pilot)
Altimeter Model NA s/n NA (co-pilot)
Air Data Computer NA s/n NA
#1 Transponder K776 s/n 19162 NA
#2 Transponder NA s/n NA
#1 Altitude Reporter D-30 s/n 34668 NA
#2 Altitude Reporter NA s/n NA
Static System (pilot) OK (co-pilot) NA

Signed *hmt* Date 3-30-18

Volusia Aviation, Inc. 386-290-1663 FAA CRS # JL5R476X

Date : JUNE,10th,2016. **MODEL:** M-20B **S/N:**1905 **REG;** N921XP

AFTT: 5229.7

All of the following work was done in accordance with AC 43.13 (d) and Mooney mm as a guide.
All routine maintenance complete, repairs as listed:
Open all panels for inspection. Removed cleaned and inspected all wheels bearings and repacked with aero shell 22. Reinstalled all wheels and brakes. lubricated undercarriage performed retraction test Checked normal. All Push Pull Tubes & Rod ends were inspected & lubricated. Function tested ELT IAW FAR 91-207.(d) **ELT battery next due DEC,2023.**
Sprayed airframe wings and tail section with Corrosion-X treatment. Replaced all system filters, P/Ns: B3-5-1. D-9-18-5, Functioned checked all aircraft lighting. Replaced Belly Strobe p/n 01-0770029-29. Repainted landing gear. Aircraft was ground run & engine & systems leaked checked no deffects noted, all indications were in the normal perimeters. All Ads checked thru date see attach list.

I certify that this aircraft has been inspected in accordance with an **Annual Inspection** and is satisfactory for return to service in an **airworthy** condition at this time.

Trevor Mayers 2921141 LA.....

[illegible]

YEAR: <u>2012</u> 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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16 MAR

L&M AIRCRAFT INC. ROME, GA 30165

N921XP Mooney M20B s/n 1905 Tach 5183.1 Total Time 5183.1 March 16, 2012
 Installed new Tempest AA3215CC vacuum pump, s/n 16413, with new instrument filter.
 Leak checks and operational checks good.
 Alton P. Owen
 A&P 2922063 IA 

KRMG

L&M AIRCRAFT INC. ROME, GA 30165

N921XP Mooney M20B s/n 1905 Tach 5186.6 Total Time 5186.6 March 26, 2012
 Complied with AD 2012-05-09 by inspection of empennage hinge assembly. Unit
 checked good.
 Larry A. Owen
 A&P 2050165 

YEAR: <u>2013</u> 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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L&M AIRCRAFT INC. ROME, GA 30165

N921XP Mooney M20B s/n 1905 Tach 5211.6 Total Time 5211.6 March 22, 2013
 Annual inspection completed. Installed Insight Instrument Corp. Graphic Engine Monitor G1
 indicator (see 337 this date). Mounted fire extinguisher and first aid kit. Installed new ARB3-5-1
 suction valve filter. C/W AD 73-21-01 by inspection and lubrication. C/W AD 76-07-12 by
 operational check. Complied with annual inspection requirements per FAR 91.207(d) and
 installed new battery pack. Battery pack expires March 2015. This aircraft was inspected in
 accordance with current regulations of the Federal Aviation Administration and is approved for
 return to service.

Alton P. Owen
 A&P 2922063 IA



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Aircraft: MOONEY M-20BS/N: 1905Registration #: N921XPTach Time: 5181.8Hobbs Time: —

Each ATC transponder has been tested and inspected and found to comply with FAR 43 Appendix F as required by FAR 91.413.

Transponder #1 P/N 066-1034-00KT 76 S/N 19162Transponder #2 P/N —S/N —

All pertinent details are on file on work order # 12075-2. This aircraft is approved for return to service.

Signature [Signature]Date 3-15-12

FAA CRS # OI7R070N Form TR-1

Aircraft: MOONEY M-20BRegistration #: N921XP S/N: 1905Tach Time: 5181.8 Hobbs Time: —

Each altimeter instrument, automatic pressure altitude reporting system, and static pressure system has been tested and inspected and found to comply with FAR 43 Appendices E and F as required by FAR 91.411.

This aircraft is IFR certified up to an altitude of 20K feet.

Pilot altimeter P/N 5934PA-1 A-78 S/N H 7923altimeter P/N — S/N —altimeter P/N — S/N —altimeter P/N — S/N —Blind Encoder #1 P/N ACK A-30 S/N 34668Blind Encoder #2 P/N — S/N —

All pertinent details are on file on work order # 12075-2. This aircraft is approved for return to service.

Signature [Signature]Date 3-15-12

FAA Certified Repair Station # OI7R070N
1957-B Highway 41 South SW, Calhoun, GA 30701

Form AI

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				

L&M AIRCRAFT INC. ROME, GA 30165

N921XP Mooney M20B s/n 1905 Tach 5181.8 Total Time 5181.8 March 15, 2012
Annual inspection completed. Installed new ARB3-5-1 suction valve filter. Installed new brake disc (164-00900), linings (066-11100), tubes (302-246-401), and tires (072-314-0) (s/n's: l/h-1146S00561, r/h- 0009S00402) on both main gear. Resealed right brake master cylinder and bled system. Installed new seal (912018-501) on baggage door assembly. Adjusted carb heat cable. C/W AD 73-21-01 by inspection and lubrication. C/W AD 76-07-12 by operational check. Complied with annual inspection requirements per FAR 91.207(d). Battery pack expires January 2013. This aircraft was inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Alton P. Owen
A&P 2922063 IA

[Signature]

YEAR: <u>2011</u> 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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Log Book Entry

4-19-11 N921XP M20B S/N 1905

Function checked Transponder Mode C Operation. Removed Encoder On/Off Switch and cleaned and aligned Transponder KT76 P/N 066-1034-00, S/N 19162 to specifications. Mode A and Mode C ground checks normal. This aircraft or component has been inspected and work described above found airworthy for return to service. (Ref. W/O OG498)

4-19-11

Date

Signed for Carpenter Avionics, Inc. Repair Station RH4R492M

4-14-11				NOTE: A/c ser# chg'd from
~~2-23-11~~				N74515 to N921XP @ FSDO Birmingham AL

YEAR: <u>2011</u> 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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9-10-11

5167.5

N74515

10 Sep 2011. Removed cowlings. Replaced landing light with ⁰⁴⁵⁰⁹ 04509. Reinstalled cowlings.

Peter M. Bartosch A&P2080092

9-19-11

5169.1

L&M AIRCRAFT INC. ROME, GA 30165

N921XP Mooney M20B September 19, 2011 Tach 5169.1

Installed new AN3023-2 master switch. System checked good.

Diego A. Smith-Camacho

A&P 3582267

Enterprise Aviation
867 Aviation Blvd
Enterprise AL 36330
6 March 2010

M20B, SN: 1905
N74515

Weight aircraft IAW aircraft service manual.

	Weight	Arm	Moment
Left Main tire	663	65.4	43360.2
Right Main Tire	678	65.4	44341.2
Nose Tire	595	-1.1	-654.5
Usable Fuel (48 gal x 6lbs per gallon)	-288	48.4	-13939.2
residual fuel and oil	3.38	48.4	163.6
Total Empty weight	1651.4		73271.3
Center of gravity	44.4		
Gross Weight	2450.0		
Useful Load	798.6		

Revised aircraft equipment list. Posted to aircraft flight manual. Performed VOR function check with VOT (108.0 Mhz), + 4 degrees error in all four cardinal points. Checked ILS and Glides slope (108.1 Mhz) functioning normal.

Peter M. Bartosch A&P2080092



L&M AIRCRAFT INC. ROME, GA 30165

N74515 Mooney M20B s/n 1905 March 17, 2011 Tach 5138.28 Total Time 5138.28
Annual inspection completed. Installed new ARB3-5-1 suction valve filter. Installed replacement nose truss structure, s/n 062110001E, repaired by Lake Aero using new lower bushing, p/n 914007-005. Stall warning switch, s/n 92904, was overhauled by Safe-Flight on work order 143533. Installed new bearing cups and cones in nose wheel. Resealed park brake valve. Secured throttle and mixture control housings. Installed serviceable cowl flap cable and flap handle position bracket. Removed defective carb temp gage. Installed new tachometer, s/n 31873, and unit set by factory to total time of 5138.28. Fabricated new carburetor inlet hose. Swung compass and installed missing compass card. Inspected installation of Challenger Aviation Air filter installation per STC SA01669CH and submitted FAA Form 337. C/W AD 73-21-01 by inspection and lubrication. C/W AD 76-07-12 by operational check. Installed new ELT battery and complied with annual inspection requirements per FAR 91.207(d). Battery pack expires January 2013. This aircraft was inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Larry A. Owen
A&P 2050165 IA



repair

YEAR

DATE

N 74515**Clarion**

Avionics, LLC

Total Time _____

Technician or Repair _____

YEAR:

DATE

CRS EUUR726D • 927 Flightline Drive • Suite 150 • Dothan, Alabama 36303 • 334-983-4143

UNITED 5934PA-1 SN H7823

Altimeter(s) was (were) installed: FAR Part 23.1325 (25.1325) and complies with FAR Part 91.411 and 91.413.

Altimeter(s) was (were) tested in accordance with FAR Part 43, Appendix E, F on to 20,000 feet by [Signature]

I certify that this aircraft static system was checked and tested in accordance with FAR part 43, Appendix E, work order # 1008, dated 3/05/10, signed [Signature] for Clarion Avionics CRS # EUUR 726D Radio and Instrument Class 1, 2, and 3.

The aircraft, airframe or appliance identified below was repaired in accordance with current regulations of Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Order No. 1008Date 3/05/2010Signed [Signature]2362922N 74515**Clarion**

Avionics, LLC

Total Time _____

Repair _____

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I certify this KING, KT-76SN 19162, ATC Transponder and ACKA-30, SN 14666 Altitude Reporting

System, has been tested and inspected per FAR 43 and Appendix E and F, in compliance with FAR 91.411 and 91.413.

Work order # 1008 dated 3/05/10 signed [Signature]Airman Certificate # 2362922 for Clarion Avionics

CRS # EUUR 726D Radio and Instrument Class 1, 2, and 3.

The aircraft, airframe or appliance identified below was repaired in accordance with current regulations of Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Order No. 1008Date 3/05/2010Signed [Signature]2362922

YEAR: <u>2009</u> 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.)
<u>2 DEC</u>	<u>5091.86</u>			NECESSARY COWL AND PANELS REMOVED FOR INSPECTIONS, SERVICE, MAINTENANCE. REMOVED ALL WHEEL ASSY'S REMOVED BEARINGS CLEANED, INSPECTED, RELUBED, REINSTALLED MAIN WHEEL BEARING - REPLACED BOTH BEARINGS IN NOSE WHEEL. REINSTALLED WHEEL ASSY'S INSPECTION OF BRAKE PADS - REPLACED ALL PADS BOTH MAINS. AIRCRAFT JACKED RETRACT COMPLETED - TENSION CHAINS COMPLETED. LUBED AND SERVICED - REPLACED MAIN SCREWS WHILE REINSTALLING PANELS. MAINT OPERATIONALS CHECKS COMP.

[Signature] AIP 1757941

YEAR: <u>2009</u> 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.)
<u>3 DEC</u>	<u>12 MONTH</u>	<u>ELT</u>		I INSPECTED THE ELT SYSTEM IN THIS AIRCRAFT ACCORDING TO APPLICABLE AIRCRAFT AND ELT MANUFACTURER'S INSTRUCTIONS AND APPLICABLE FAA GUIDANCE AND FOUND THAT IT MEETS THE REQUIREMENTS OF SECTION 91.207(d). DWB FCC# PG-GB-007025
				I certify that this <u>AIRFRAME</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Time in Service: <u>5091.86</u> Date: <u>03 DEC 2009</u>
				Signed: <i>[Signature]</i>
				Cert. No: <u>AA 1757941 IA</u>

YEA

DAT

Annual inspection completed this date. Lubed aircraft flight controls and all heim bearings. Serviced Battery and hydraulic system. Greased and lubed landing gear per Ad 73-21-01. Check brake linings and grease wheel bearings. Serviced gascolator with gaskets and seals. Removed aft trim actuator assy and replaced with new unit pn. 740230-901. Replaced trim link attach bolts. Replaced trim duct pn. 740156-003. Replaced all 11 shock disc with new Lord 530021-000. Install upper shock disc plate pn. 510033-501 on each main gear. Install upper shock disc plate Pn. 530023-001 on nose gear. Replaced nose truss with O/H unit from Lasar Pn. L940042-505. Replaced Johnson Bar Boot Pn. L130067-005. Removed fuel selector valve for no detents. Cleaned valve, detent springs stuck in cavities. Reinstalled valve, Ops, Ok. Replaced both inboard flap hinges Pn. 210104-000 and fairings Pn. 210106-501 & 502 from previous damage. Replaced both main gear bungee springs from previous gear up pn. 916002-000. Replaced both rear bungee cylinders pn. 560009-000. Replaced control rod end on prop control pn. 660051-005. Replaced ELT battery Pn. 00-10-009. Checked Elt operation, Ok. Rigged landing gear preloads. Replaced aileron link attach bolts and rigged flight controls. Drilled off rivets on lower left wing access panels. Removed two trash bags of rodent & bird nest. Reinstall panels. Drilled out broken screws in pitot tube & replaced with new. Removed battery box, removed corrosion, primed, painted & reinstalled. Replaced both bearing cone & cup in nose wheel Pn. 08125 & 08231. Install Carb heat O/H kit Pn. 600063-900. Replaced right nav light bulb Pn. 7512-12. Opened inspection panels on right wing and repaired small leak. Installed customer supplied SVS standby vacuum. ^{S/M} _{GO} Installed customer supplied LP Aero Windshield kit pn. 199. Installed all 4 side glasses with Lp aero glass. Installed customer supplied Alpha-Omega STC'd instrument panel. Installed customer supplied vertical card compass. Each instrument lighted by Nu-light. I certify this Aircraft has been inspected IAW an annual inspection and found in an airworthy condition. Don Maxwell A&P 459785367 IA 

pair

[illegible]

YEAR: 2002 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.)
	4903.0		4903.0	100 hr. Inspection was completed on this date. All AD's have been complied with, AD 73-21-01 completed by Insp + Lubg. AD 76-07-02 completed by OPS check. Landing gear retraction check OK, Replaced Brake Linings and system serviced, Lubed + replaced bearings. Repaired Battery box and check electrical system. Detected seep in 4/R fuel tanks resented w/ Top coat sealant. Preformed Corrosion Inspection and applied Corrosion X corrosion control treatment. Removed and Replace access panels for completion of Aircraft Insp and Lubg. Replaced Air Inlet filter. Replaced Instrument panel Lt. bulbs

YEAR: 2002/03 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.)
				and Tail Light bulb. Preformed EIT test, OK.
				Verify that this AIRFRAME has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition. Time in Service: 4903.0 Date: 04 DEC 2002 Signed: <u>Dan W. B.</u> Cert. No.: <u>A4P 1751941 FA</u>
11/03				Passenger Seat belts Insp + Repair See attached 8130. <u>Rob. J.</u> A4P 2011197318

YEAR: 2001 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 Sep 01	4883.7		4883.7	100 hour Inspection completed on this Date. Checked and serviced all control surfaces and components. All bearings removed from tail assembly and inspected, lubed and lubed. Inspected brake system and pads. Repacked all wheel bearings and lubed landing gear system. Performed landing Retract tension check, adjusted to NOSE-132, main 264 lbs. Replaced Instrument vacuum air filtering system w/ Airborne single filter system. Replaced Aircraft Altimeter. Installed Instrument Lighting system (Nulites) Lubed all control links and

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.)
				gear door, and access hinge assemblies, Aircraft fuel computer. ELT Battery Replaced and tested. REPLACED PROPELLER WITH NEW McCauley MODEL B3D3LC424/74SA-0 PROPELLER SSE-537
I certify that this AIRFRAME has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition. Time in Service: 4883.7 Date: 3 SEP 2001 Signed: <u>[Signature]</u> Cert. No.: <u>AIP 28197318</u>				I certify that this AIRFRAME has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition. Time in Service: 4883.7 Date: 3 SEP 2001 Signed: <u>[Signature]</u> Cert. No.: <u>AIP 1757941 1A</u>

Aircraft Record General Information

Manufacturer MOONEY Model ~~1905~~ M-20B
Serial 1905 Registration Number ~~N74515~~ chg N to N921XP off 14 APR 2011
Date of Manufacture 24 JAN 1962 9M

Engine(s) currently installed:

Manufacturer Lycoming Model O-360-A1A Serial L1780-36
Manufacturer N Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer McCawley Model B3D36C424/74SA-0 Serial _____

HUB Model _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____