



AIRFRAME MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N57055

Aircraft Mfg. MOONEY Model M20K Serial No. 25-0784

TELEDYNE

Engine Mfg. CONTINENTAL Model TSIO-360-1B1 Serial No. 316004

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. MCCAULEY Model 2A34C216 Serial No. 791971

Hub Design No. _____ Hub Serial No. _____

Blade Design No. 6A0DHB-16E Blade Serial No's. SK11 & SK117

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
11-12-07			Complied with annual inspection. C/W A.D. 83-24-03 gear box (replaced fuel filter caps) C/W A.D. 76-07-1281 (ignition switch test) C/W A.D. 84-26-03 (induction filter replaced) Replaced top cowd with fiber-glass patch. repaired external chords. cleaned, repaired & treated battery box. Removed ASI for repair at DFV Instruments Corporation + Reinstalled after repairs (see 830-3 date 11-3-07) Replaced both propeller drive boots. Replaced both broken compressed ELS for FAR 91.207d (battery expires 7-09) A.D.'s checked through- 7607-23. All work accomplished IAW manufacturers maintenance manuals and FAR 43 approved. W.O. 18412
<p>ARIZONA AIR-CRAFTSMAN, PRESCOTT, ARIZONA</p> <p>I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.</p> <p>WO# <u>18412</u> Tach Time <u>312.6</u> Eng. SMOH <u>312.6</u> Aircraft Total Time <u>2371.3</u> Prop SMOH <u>UNK</u> Engine Total Time <u>2371.3</u></p> <p>John Atterholt I.A. #526045567 Date: <u>11-12-07</u></p> <p>Signature <u>[Signature]</u></p>			

6/26/2008 Tach: 421.5

Faulty alternator was removed and installed after overhaul by Midland Aviation also replaced drive clutch. Return to service 8130-3 tag provided in this book.

RR checked ATP
2835988

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3/2/2009 Aircraft Total Time: 2530.3 Tach: 471.5

Removed all inspection panels for inspection. Checked and lubed all control rods and flight controls. Cleaned and treated battery compartment. Removed ELT, checked for corrosion and operation. Cleaned fuel gascolator strainer and replaced seals. Replaced wing fuel cap o-rings. Placed aircraft on jacks and performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Pulled wheels, cleaned inspected and repacked wheel bearings. Replaced brake linings. Replaced instrument vacuum filter. Inspected intake air filter. This aircraft has been inspected IAW an annual/100hour inspection and found to be airworthy at this time.

Parts:

2 AN380-4-8
8 105-00200
4 RA66-105
1 MS29513-031
1 MS29513-006
2 MS29513-338

Cotter Pin 2CT
Rivet Brass Brake
Brake Lining RAPCO
O-Ring Fuel
O-Ring Fuel
O-Ring Fuel

James A. Bur 2833701A

3/1/2010 Aircraft Total Time: 2655.8 Tach: 597

Removed all inspection panels for inspection. Checked and lubed all control rods and flight controls. Cleaned and treated battery compartment. Removed ELT, and installed new Ameri-king AK 451, 406 MHz Elt, and SER # 8228, Hex # AE2C4080900002CD in accordance with manufacturer's instructions. Performed operation and self tests as required. Completed FAA Form 337 this date. Cleaned fuel gascolator strainer and replaced seals. Placed aircraft on jacks, performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Pulled wheels, cleaned inspected and repacked wheel bearings. Replaced instrument vacuum filter. Inspected intake air filter. Replaced both engine driven vacuum pump PN 216cw, Ser # 8485 and electric standby vacuum pump PN 215cc, Ser #22103. This aircraft has been inspected IAW an annual/100hour inspection and found to be airworthy at this time.

James A. Bur 2833701B

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5/03/2014 Aircraft Total Time: 2811.4 Tach: 752.6

Complied with annual inspection IAW FAA part 43 appendix D and manufacturers maintenance manual. Removed all inspection panels for inspection. Reviewed all AD's through 12-05-09. Complied with Bendix switch AD 76-07-12. Checked and lubed all control rods and flight controls. Removed and replaced left main tire. Removed Electronics International Tach for repair and reinstalled. Removed fuel flow indicator for repair and reinstalled. Repair tags located within owner logs. Removed and replaced gill aircraft battery with Concorde RG-35axe direct replacement battery. Replaced nose gear wheel Pn 40-87. Placed aircraft on jacks, performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Inspected and tested Ameri-king AK 451, 406 ELT IAW 91.207(D) battery due replacement 5/2015 This aircraft has been inspected IAW an annual inspection and found to be airworthy at this time.

RR Lubich IA # 2835988

08/09/2014 Tach: 764.3

Pilot reported sparks coming from under instrument panel. Inspected panel from under side and found metal tweezers laying on instrument switches. removed tweezers and inspected switches for damage, no defects noted. Performed engine run-up and checked operation of all electrical items, no other defects noted.

RR Lubich IA # 2835988

12-12-2014 WO 23551 M20K SN 25-0784 N57055 TACH 794.6

Troubleshoot flap actuator. Adjust up limit micro switch. Operations check good.

A&P 3287177
Arizona Air-Craftsman

John Atterholt

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME
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5/30/2015 Aircraft Total Time: 2868.6 Tach: 809.8

Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Removed all inspection panels for inspection. Reviewed all AD's through 12-05-09. Complied with Bendix switch AD 76-07-12. Checked and lubed all control rods and flight controls. Placed aircraft on jacks, performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Inspected and tested Ameri-king AK 451, 406 ELT IAW 91.207(D) replaced battery Ameri-king PN 11-06686 due replacement again 5/2020, also replaced lithium battery in ELT control switch PN CR 1/3N. Removed Oxygen bottle for hydro test and reinstalled due again 5/2020. Replaced both fuel cap O-rings PN ms29513-338. Replaced intake air filter with Donaldson PN 125685-004 due again 5/2018. This aircraft has been inspected IAW an annual inspection and found to be airworthy at this time.

RR abelley A-1 IA 2835988

N57055 M20 K Sn 25-0784

5/27/2016 Aircraft Total Time: 2900.9 Tach: 842.1




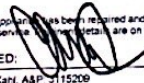
Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Removed all inspection panels for inspection. Reviewed all AD's through 12-05-09. Complied with Bendix switch AD 76-07-12. Checked and lubed all control rods and flight controls. Placed aircraft on jacks, performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Inspected and tested Ameri-king AK 451, 406 ELT IAW 91.207(D) Battery due replacement 5/2020, This aircraft has been inspected IAW an annual inspection and found to be airworthy at this time.

RR abelley IA 2835988

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N57055 M20 K Sn 25-0784			
4/2/2017 Aircraft Total Time: 2936.5 Tach: 877.7			
<p>Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Removed all inspection panels for inspection. Reviewed all AD's through AD 12-05-09. Complied with Bendix switch AD 76-07-12. Checked and lubed all control rods and flight controls. Removed speed brakes and for overhaul to Precise Flight, reinstalled and checked operation FAA 8130-3 located in this book. Replaced Lt and Rt Fuel Cap O-rings P/N MS29513-338. Replaced vacuum instrument filter P/N RA D9-18-1. Placed aircraft on jacks, cleaned, inspected and greased wheel bearings Replaced Lt and Rt Brake cylinder seals (1EA) P/N MS28775-224, replaced Lt and Rt brake linings, (2EA) P/N RA66-105, Replaced seals in parking brake valve (3EA) P/N MS28775-010, (2EA) MS28775-012 performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Inspected and tested Ameri-king AK 451, 406 ELT IAW 91.207(D) Battery due replacement 5/2020, This aircraft has been inspected IAW an annual inspection and found to be airworthy at this time.</p> <p><i>RR Mchdy IA 2835888</i></p>			
11-30-17	TACH TIME 926.3	<p>AIRCRAFTSMAN REPLACED THE WP-4 DOWN ELECTRIC GEAR MOTORS. AND REPAIRED AN O2 LEAK BY CHANGING THE PORT SERVICE VALVE. THIS WORK WAS PERFORMED ON 11-30-17 TACH TIME OF 926.3 HRS.</p>	
N57055 M20 K Sn 25-0784			
4/23/2018 Aircraft Total Time: 3005.2 Tach: 946.4			
<p>Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Removed all inspection panels for inspection. Reviewed all AD's through AD 12-05-09. Complied with Bendix switch AD 76-07-12. performed retraction tests and emergency extension. Lubed gear doors, retraction control rods and pivot points. Inspected and tested Ameri-king AK 451, 406 ELT IAW 91.207(D) Battery due replacement 5/2020, This aircraft has been inspected IAW an annual inspection and found to be airworthy at this time.</p> <p><i>RR Mchdy IA 2835988</i></p>			

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p>MAKE: Mooney Aircraft Corp MODEL: M20K S/N: 25-0784 REG. NO: N57055 WORK ORDER: 26002</p> <p> Legend Aviation LLC 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 928 717 1690</p> <p>DATE: 5/6/2019 A/C TSN: 3033 3 TACH: 974 5</p> <p>Airframe Entries (1) Removed expired O2 Bottle S/N: 106817 (2) Installed Overhauled O2 bottle and Regulator assembly. P/N: 601977-04 S/N: ST270379 by Compressed Gas Systems LLC. see form 8130.3 for details. Filled system with 1850psi. of O2 and rigged shutoff valve per Mooney M20K MM. Ground ops check good.</p> <p>Technicians Who Worked On The Items Listed Above Claire Boy</p> <p>MAINTENANCE RELEASE The above identified aircraft, component or appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Permanent details are on file at this agency.</p> <p>DATE: 5/6/2019 SIGNED:  Work Order: 26002 Claire Boy, A&P 415225 Printed by EBis 3 (datcomedia.com)</p>
			<p>MAKE: Mooney Aircraft Corp MODEL: M20K S/N: 25-0784 REG. NO: N57055 WORK ORDER: 26132</p> <p> Legend Aviation LLC 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 928 717 1680</p> <p>DATE: 1/28/2020 A/C TSN: 3058 5 TACH: 1000 7</p> <p>Airframe Entries (1) Removed right caliper. Cleaned and rebuilt right caliper with new lining P/N: MS26775-224. Inspected rotor. Installed new brake linings P/N: 096-10500 (Qty 2) with new rivets (Qty 4). Filled brake reservoir and bled brakes. Ops check good at this time.</p> <p>Technicians Who Worked On The Items Listed Above Bill Samuelson, Chris Kahl</p> <p>MAINTENANCE RELEASE The above identified aircraft, component or appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Permanent details are on file at this agency.</p> <p>DATE: 1/28/2020 SIGNED:  Work Order: 26132 Chris Kahl, A&P 4115209 Printed by EBis 3 (datcomedia.com)</p>

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MAKE: Mooney Aircraft Corp
MODEL: M20R
S/N: 25-0784
REG. NO: N57055
WORK ORDER: 26176



Legend Aviation LLC

2020 Clubhouse Drive
Prescott, AZ 86301
Phone: 928.737.1680

DATE: 4/15/2020
A/C TSN: 30616
TACH: 10028

Airframe Entries

- 1 Complied with and Annual Inspection IAW FAR 43 Appendix(d) using Legend Aviations Annual / 100Hr. inspection checklist and manufactures maintenance manuals. Inspected and lubricated wings, tail, landing gear, Hinges, pulleys, rod ends, Cabin, fuselage and bellcranks. Inspected Landing gear and wheels, repacked bearings and reinstalled. replaced instrument air fillers. Inspected fuel strainer bowl and screen. All applicable ADS complied with.
- 4 Removed Basic Aircraft Products, INC Turbo-Alternator system P/N: 50-2025-105 S/N: A1171, fabricated flush repair in accordance with Mooney M20K 51-00-00 and AC43 13 submitted Fan 337 Form for Removal Of STC# SA02431AT.
- 7 Believed to be caused by low voltage, see item 15 for details. no action this visit.
- 8 Removed worn bolt and nut on prop governor rod end. Installed a new bolt P/N: AN3-11 and Nut P/N: AN320-3 with new cotter pin.
- 14 Installed hardware to bonding strap on Aspen EFD Antenna mount. No further action.
- 16 Found missing AGC1 Fuse and Broken Wire At Fuse holder for prop heat ammeter. Installed Fuse And Re-Soldered Wire, Operational Check Normal.
- 17 Removed Left Torque Pressure Plate. Installed New Surplus Pressure Plate from KRN P/N: 075-01600 IAW Money MM 32-40-00.
- 18 Troubleshoot inop tail strobe, found Molex Connector had one pin disengaged, reengaged and performed operational check normal.
- 19 Replaced loose elevator aft bellcrank Bolt with new, found bellcrank needs replaced, Replaced with serviceable bellcrank P/N 913033-000, work performed per Mooney MM 27-30-00.
- 20 Cleaned and vacuumed F.O.D. in Empennage as Required.
- 23 Fabricated 2 aluminum reinforcement backing plates. Installed onto lower cowl heat shield to attach to lower nose cowl.
- 24 Removed deteriorated and cracked fuel cap o-rings. Installed new (Qty.2) MS29513-338 and (Qty.2) MS29513-010 o-rings.
- 25 Removed Ameri-King 451 EIT, Installed ACK E-04 S/N 024817 Per Ack Installation Manual P/N E04M Rev date 03/24/2017 Tested Eit per FAR 91.207(D) EIT test and function normal, Battery Due Date Aug 2023, Remote Battery Due 5 Years 4-2025, EIT Hex ID 2DC88 AC2AA FFBFF.
- 26 Weight and Balance Updated and Installed In POH.
- 27 Complied with A.D. 76-07-12 Bendix ignition switch test during Run Up, No defects Noted Next due at 100 hrs Tach: 11028.
- 28 Removed broken RAM Vacuum Pump Cooling Shroud. Installed new McFarlane Vacuum Pump Cooling Shroud IAW McFarlane Aviation Inc. STC#SA1074G and cooling shroud instructions drawing 7153. See form 337 for additional details.

Technicians Who Worked On The Items Listed Above
Chris Kahl, Elliot Cluff, Jesse Ruiz

I certify this aircraft has been inspected I.A.W. a 100 hr (Annual) inspection and has been determined to be in airworthy condition at this time.

The aircraft airframe identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this agency.

DATE: 4/15/2020

SIGNED

Elliot Cluff, IA: 601444258

Work Order: 26176

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