

N523MW

3



The Standard

AIRCRAFT LOG

ASA-SA-2

DATE: Mar/18/2024

☒ AirframeKUSA AVIATION, LLC
4700 Hangar Dr.
Beaumont Texas 77705409-727-7900-O
409-727-7901-FReg. #
N523MWModel:
M20ES/N:
670013Tach:
3095.2

TSN:3095.2

1. Performed a 100-Hour/Annual inspection in accordance with FAR43. App.D. & The manufactures inspection checklist as a guide.
2. Remove inspection covers & interior as needed to facilitat inspection & servicing of accessible components in accordance with the AMM.
3. Jack aircraft clean & repack all wheel bearing, service gear & perform retraction & extension checks. All checks satisfactory at this time
4. C-W FAR91.207d By inspecting & ops checking ELT. All checks satisfactory at this time. **Note: Next inspection Due Mar/2025 Batery replacement Due Dec/2025.**
5. C-W AD2023-02-04 By inspecting in accordance with SBM20-345A & found satisfactory for service at this time **Note: Next inspection Due 3-18-25 or Tach: 3195.2.**
6. C-W AD73-21-01 in accordance with SBM20-32 & found satisfactory for service at this time. **Note: Next inspection Due 3/18/2025 or Tach: 3195.2.**
7. C-W AD76-07-12 By function checking ignition switch. All checks satisfactory at this time. **Note: Next inspection Due 3-18-2025 or Tach: 3195.2.**
8. Reinstalled all removed inspection covers & interior.
9. See Airworthiness Compliance Record this date for details.
10. All work was accomplished in accordance with current Federal Aviation Regulations and manufacturer's maintenance instructions & approved for return to service for work performed at this time.

Signature:

David Scherer A&P3798450 IA

YEAR
20
DATERECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
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.)

wo: WO 1331

Airframe - page 1 of 1

Feathered Edge Aviation, LLC 18000 GROSCHE RD HANGER 3E HOUSTON, TX 77084 713-724-5002

N523MW
TACH 3153.36

Mooney, M20E, S/N: 670013

February 28, 2025

1. Removal and reinstallation of cowlings, access panels, and interiors for inspection.
2. Inspection of wings, fuselage, empennage, landing gear, and cabin groups.
3. Lubricate landing gear. Replace the fuel strainer. Installed P/N GL 30 HD 1.16" Gascolator Gasket. Check air filters.
4. ELT tested & inspected per CFR 91.207(d), good. ELT battery expiration, DEC 2025.
5. Perform AD Research.
6. AD 2015-19-07 C/W by inspection of fuel injection lines and clamps. Due every 110hrs.
7. C/W AD 2023-02-04 by inspection of elevator balance weights.
8. C/W AD 73-21-01 by inspection and lubrication of all flight control systems and landing gear systems. Due every 12 months or 100hrs, whichever comes first.
9. Resealed left brake caliper. Bled and serviced brakes.

I certify that this Airframe has been inspected IAW an Annual inspection, per 14 CFR 43 APPENDIX D and was determined to be in an airworthy condition. Details of work performed are on file with Feathered Edge Aviation, LLC, under work order WO 1331.

James Placette IA 3397518

YEAR 20 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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YEAR 20 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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VAAYU Aero Maintenance
West Houston Airport
18000 Groeschke Rd.
Houston, TX 77084



DATE: 07/08/2022 N523MW TACH: 2986.92

WORK PERFORMED:

- REPLACED STARTER CONTACTOR WITH NEW PN#PS2-0033. OPS CHECK GOOD.
- TIGHTENED IGNITION SWITCH OUTER RETAINING NUT AS NEEDED.

I certify that the work performed was carried out in accordance with 14 CFR Part 43.9 and paragraph (b) of 14 CFR Part 43, Appendix B and was determined to be in an airworthy condition.

Details on file at VAAYU Aero Maintenance under WO# 31401

FAA Certified Repair Station

No. GK2R118E signed

[Signature]



VAAYU Aero Maintenance
West Houston Airport
18000 Groeschke Rd.
Houston, TX 77084



DATE: 08/10/2022 N523MW TACH: 2991.02

WORK PERFORMED:

- REPLACED STARTER WITH NEW PN#07-00762 SHH-V061526.

I certify that the work performed was carried out in accordance with 14 CFR Part 43.9 and paragraph (b) of 14 CFR Part 43, Appendix B and was determined to be in an airworthy condition.

Details on file at VAAYU Aero Maintenance under WO#31422

No. GK2R118E signed

[Signature]

YEAR 20 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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General Avionics, Inc. 18000 Groeschke Road Hangar 1-E Houston, TX 77084 Y4XR461Y
 LOG ID# 867 26-May-2022 WO# 14837
 N523MW S/N 670013 MOONEY M20E

Pg 1 / 1

REMOVED FACTORY VAC SYSTEM,DG,ATTITUDE.KX155,KI208,KMD 150 MFD,KLN94 GPS AND MD ANNUNCIATOR.
 REMOVED STEC 30 AUTOPILOT SYSTEM.
 INSTALLED GARMIN GNS430W,DUAL GI 275 H.S.I AND ATTITUDE SYSTEM,GARMIN GFC 500 AUTOPILOT WITH
 PITCH,PITCH TRIM AND ROLL SERVOS.FLIGHTSTREAM 210.
 ENABLED SYNTHETIC VISION ON GI 275.
 WEIGHT AND BALANCE REVISED.
 SEE ALSO FAA 337s THIS DATE.
 FAA APPROVED AFMS SUPPLIED FOR GFC 500,GI 275 AND GNS 430W.
 THIS AIRCRAFT HAS BEEN TESTED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA MAINTENACE
 RULES AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK DESCRIBED ABOVE.
 In accordance with FAR 91.413, this ATC Transponder has been tested and inspected and
 found to comply with appendices E and F of FAR part 43
 UNIT:APPAREO ESG S/N:776543

In accordance with FAR 91.411, each Static Pressure system, each Altimeter instrument
 and each Automatic Pressure Altitude Reporting system has been tested and inspected
 and found to comply with appendices E and F of FAR part 43.
 ALT S/N:5934P-3 ALT S/N:
 ENC S/N: Tested to:20,000

Performed a FAR 91.217 Data Correspondence test.

Signed Y4XR461Y General Avionics, Inc. 5/26/2022
 Date

VAAYU Aero Maintenance
 West Houston Airport
 18000 Groeschke Rd.
 Houston, TX 77084


DATE: 06/28/2022 N523MW TACH: 2976.77 TTAF: 2976.77

AIRFRAME ANNUAL INSPECTION

WORK PERFORMED:

- INSPECTED ALL EXTERIOR LIGHTS, PITOT HEAT, AND STALL WARNING.
- OPENED ALL AIRCRAFT ACCESS AND INSPECTION PANELS. LUBRICATED ALL PULLEYS AND FLIGHT CONTROLS. C/W INSPECTION OF AIRFRAME.
- INSPECTED INTERIOR AIRFRAME AND LUBRICATED AS NECESSARY.
- JACKED AIRCRAFT AND C/W RETRACTION AND EXTENSION OPERATIONS.
- REMOVED ALL WHEEL ASSEMBLIES, DISASSEMBLED, CLEANED, INSPECTED, REPAKED BEARINGS, REASSEMBLED, AND INSTALLED BACK ONTO AIRCRAFT.
- INSPECTED BRAKE CALIPERS AND LININGS.
- C/W AD 2022-03-15 ENSURE AMOUNT OF FUEL INDICATED IS AMOUNT OF FUEL AVAILABLE BY INSPECTION. AFFECTED GARMIN UNIT NOT INSTALLED.
- C/W AD 98-24-11 DETECT AND CORRECT CRACKED AILERON CONTROL LINKS BY INSPECTION. DUE EVERY 100HRS.
- C/W AD 77-17-04 PREVENT FAILURE OF CONTROL WHEEL SHAFT BY INSPECTION. REPLACED TAPER PINS WITH NEW. INSPECTION DUE EVERY 500HRS.
- C/W AD 75-09-08 DETECT CRACKED ENGINE MOUNT MEMBERS BY INSPECTION. DUE EVERY 100HRS.
- C/W AD 73-21-01 PREVENT MISRIGGING AND/OR CORROSION ON LANDING GEAR SYSTEMS BY INSPECTION. DUE EVERY 100HRS/12 MONTHS.
- C/W AD 76-07-12 R1 IGNITION SWITCH BY OPS CHECK AND INSPECTION. DUE EVERY ANNUAL/100HRS.
- REPLACED R/H WHEEL GREASE SEAL WITH NEW PN#153-00400.
- REPLACED R/H BRAKE LININGS WITH NEW PN#066-10500.
- REPLACED ENGINE SHOCK MOUNTS WITH NEW PN#J9613-9.
- REPLACED NIPPLE ON MASTER RELAY WITH NEW PN#AA59178-3.
- Researched AD's BIWEEKLY 2022-11(Summary Provided)
- Performed functional test of the ELT in accordance with CFR 91.207.d and was found to be in a functional condition. ELT battery was not replaced and is next due for replacement on 12/2025.

I certify that this AIRCRAFT has been inspected in accordance with an Annual Inspection, PER 14 CFR 43 APPENDIX D and was determined to be in an airworthy condition.
 Details on file at VAAYU Aero Maintenance under WO# 31313
 FAA Certified Repair Station

No. GK2R118E signed 

YEAR 20 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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Calkins Aero Service Inc.

West Houston Airport
18000 Groeschke Rd.
Houston, TX 77084

DATE: 10/04/2021 N523MW TACH: 2910.41

WORK PERFORMED:

- INSTALLED NEW CUSTOMER SUPPLIED COMPASS BRACKET.
- INSPECTED NOSE GEAR A FRAME. NO DISCREPENCIES FOUND.

I certify that the work performed was carried out in accordance with 14 CFR Part 43.9 and paragraph (b) of 14 CFR Part 43, Appendix B and was determined to be in an airworthy condition.

Details on file at Calkins Aero Repair Station under WO# 30827
Calkins Aero Service Inc.
FAA Certified Repair Station
No. GK2R849K

signed

Don Z

YEAR 20 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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Calkins Aero Service Inc.

West Houston Airport
18000 Groeschke Rd.
Houston, TX 77084

DATE: 11/12/2021 N523MW TACH: 2921.13

WORK PERFORMED: AIRFRAME


- REINSTALLED R/H FUEL GAUGE AND R/H FUEL SENDING UNIT AFTER OVERHAUL BY AIR PARTS OF LOCK HAVEN.
- REPLACED TACHOMETER CIRCUIT BREAKER WITH NEW PN#MS26574-1.
- SOLDERED WIRES ONTO BACK OF PTT SWITCH. OPS CHECK GOOD.

I certify that the work performed was carried out in accordance with 14 CFR Part 43.9 and paragraph (b) of 14 CFR Part 43, Appendix B and was determined to be in an airworthy condition.

Details on file at Calkins Aero Repair Station under WO# 30857
Calkins Aero Service Inc.
FAA Certified Repair Station
No. GK2R849K

signed

Don Z

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				 <p>El Paso International Airport - 7305 Boeing Drive El Paso, Texas 79925 - 1-800-437-2376 or (915)779-3481 CRS#VL1R562K</p> <p>ATC Transponder test required by FAR91.413 were performed <u>7-17-2020</u> and complies with part 43 appendix F. ATC Transponder <u>STRATUS ESG</u> S/N <u>075336</u> Details of this inspection on file at this Repair Station under WO# <u>71029</u>.</p> <p>The above inspection was accomplished in accordance with current regulations of the FAA and was found to be airworthy for return to service.</p> <p>Signature <u>B. L. L.</u> Certificate# <u>CRS#VL1R562K</u></p>

YEAR 20 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.)
				<p>5-18-21 TACH 2899 TOTAL TIME 2899 CHECKED ALL AIRCRAFT CONTROLS CABLES AND PULLEYS LUBED AS NEEDED TESTED ELT IAW 91.207(d) JACKED AIRCRAFT AND CYCLED GEAR 10 TIMES NO SQUAWKS CHECKS ALL LIGHTS. AD 26-07-12 IGNITION SWITCH AD 85-24-03 FUEL TANK BAY CHANGED LEFT HAND BRAKE AND O-RING ON LEFT BRAKE CALIPER. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>Zach T. Medina AIP 3016487 IA</p>

YEAR 20 ____ 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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wo: NMA_WO-272

Airframe - page 1 of 1



New Mexico Aero Service LLC. (505)307-3918

N523MW

Mooney, M20E, S/N: 670013

February 1, 2019

Tach: 2772.0

ACTT: 2772.0

1. All Ad's researched through Aviation database per Bi-weekly 2019-02/-03. AD76-07-12 Bendix Switches C/W next due Annually.
2. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this airframe has been inspected IAW annual inspection and was determined to be in an airworthy condition.
3. ELT inspected per FAR91.207 Battery due Feb 2020.
4. AD85-24-03 Fuel tank bay and filler cap - C/W per SB M20-229 next due 100 hours.
5. AD75-23-04 Electric gear system - N/A Per SB M20-190 Manual Gear.
6. Lycoming AD 2017-16-11 Connecting rod small end bushing - N/A per (c)(1) S/N not listed on SB632B Table 1.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-272.

Fernando Nunez IA/AP 2749192

FCM

YEAR 20 ____ 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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wo: NMA_WO-437

Airframe - page 1 of 2



New Mexico Aero Service LLC. (505)307-3918

N523MW

Mooney, M20E, S/N: 670013

April 8, 2020


Tach: 2855.0

ACTT: 2855.0

1. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this airframe has been inspected IAW annual inspection and was determined to be in an airworthy condition.
2. All airworthiness directives have been researched through aviation DataBases updated April 7, 2020: As of Biweekly 2020-07/08. All have been completed or are up to date.
3. ELT inspected per FAR91.207 Battery next due Dec 2025.
4. Set rigging of cowl flaps as per Mooney service manual.
5. Completed thorough landing gear inspection as per mooney service manual and greased accordingly with Aeroshell 22.
6. Removed nose wheel assembly, balanced and re-installed. Functional check ok.
7. AD75-23-04 Electric gear system - N/A per landing gear manual model.
8. AD76-07-12 Bendix ignition switches - C/W by functional check next due 100 hours.
9. AD85-24-03 Fuel tank bay and filler cap - C/W per SB M20-229 next due 100 hours.

next

YEAR 20 <u>17</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.)
7/20	2669			Replaced Both fuel Cap O-RINGS CLEANED BOTH CAPS ADJUSTED + REINSTALLED 2-MS 29513-338 O-RINGS 2-MIL-DTL-117H O-RINGS TF-PK 2ms Large O-Ring Dated 4/17 Small O-Ring Dated 2/17 Bud Unich
8/10	2672			REMOVED + REPLACE BOTH MAIN GEAR TIRES WITH Goodyear Aeros. PACKED the wheel BEARINGS + INSPECTED the BRAKES. Brakes in Serviceable Conditions. TEST Flow 6.00 X 6.00 ^{BU} CHANGED OIL + FILTER ADDED 6 qts of Phillips 20/50 oil + 8oz of CAMQUAKER ^{owner} _{BU}
01/18/18	2699			

YEAR 20 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.)
<div style="text-align: center;">  New Mexico Aero Service LLC • (505)307-3918 January 18, 2018 N523MW Mooney, M20E, S/N: 670013 Tach: 2699.0 ACTT (Tach): 2699.0 1. All Ad's researched through Aviation database per Bi-weekly 2018-01/-02. AD76-07-12 Bendix Switches C/W next due Annually. 2. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this airframe has been inspected IAW annual inspection and was determined to be in an airworthy condition. 3. ELT inspected per FAR91.207 Battery due <u>Feb 2018</u>. 4. AD85-24-03 Fuel tank bay and filler cap - C/W per SB M20-229 next due 100 hours. 5. AD75-23-04 Electric gear system - C/W ^{N/A} per SB M20-190. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-148. Fernando Nunez IA/AP 2749192 <u>glen</u> <div style="display: flex; justify-content: space-between;">Airframewo: NMA_WO-148</div> </div>				
01/18/18	2699			REPLACED the INSTRUMENTALIR filter ^{owner} _{BU}
01/18/18	2699			REPLACED all 8 Spark plugs with TEMPEST UREM 40E / owner BU

YEAR 20 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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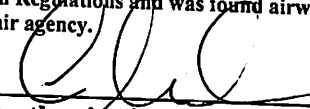
Security Aviation
12016 S. Prairie Ave
Hawthorne, CA 90250
FAA Approved Repair Station MH3R684L

Model: Mooney M20E
S/N 670013
Reg No. N523MW

Date: September 8, 2016
W/O # 856040
Tach: 2630.9

I certify that the transponder Garmin GTX 327 s/n in aircraft has been tested in accordance with FAR 91.413 part 43 appendix "F".

The aircraft and/or component identified above was repaired / inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service on this date. Pertinent details are on file at this air agency.



Authorized Signature CRS MH3R684L

CARSON AVIATION SERVICES
2640 East College Pkwy
Carson City, NV 89702
775-841-0400
AIRFRAME


DATE: 12/14/16 REG: N523MW MAKE: MOONEY MODEL: M20E SN: 670013
TACH: 2636.2

Performed an Annual inspection IAW Carson Aviation Services Annual/100-Hour checklist which meets FAR 43 appendix D. Lubricated all control surface hinges and pulleys. Tested ELT IAW FAR 91.207d. Test okay. Cleaned and re-packed wheel bearings. Serviced aircraft battery, tires, and fluids. Performed gear retraction test. Replaced Orings in L/H brake master cylinder.


C/W AD 73-21-01 Flight control and landing gear by inspection next due 2736.2.


Troy Creeks A&P3674511IA

C/WAD 75-09-08 Tubular engine mount by inspection per SB M20-192A next due 2736.2


Troy Creeks A&P3674511IA

I certify that this aircraft was inspected IAW an Annual Inspection and was found to be in an airworthy condition.


Troy Creeks A&P3674511IA

of Inspections, Tests, Repairs and Alterations e endorsed with Name, Rating and Certificate Number of Repair Facility. (See back pages for other specific entries.)

YEAR 20 <u>14</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.)
11-10	2618.21		2618.21	ANNUAL INSP CONDUCTED CHECK ON ADS 73-21-01, 76-07-12, DUE AT 2694.8 ON BOTH. TESTED ELT PER FAR 91207 (d). NO DEFECTS. CHECKED FUEL STRAINER AND ENGINE FILTER, CLEANED. CONDUCTED LBG RETRACT SYSTEM, CLEANED & LUBED, PRELOAD OK. INSTALLED NEW NOSE TIRE AND TUBE CONDUOR 500-5 6PLY AIR STOP TUBE. LUBED FLIGHT CONTROL BEARINGS.
				I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND IS DETERMINED TO BE AIR WORTHY R. Tremaine IA 1439857

YEAR 20 <u>15</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.)
11-10-2015	2627		2627.21	ANNUAL INSP CHECKED REGULAR INS AD'S 94-28-11 AND 85-24-03 NO DEFECTS, TESTED ELT PER FAR 91207 (d) OK INSPECTED FUEL STRAINER, CLEAN TESTED LANDING GEAR SYSTEM - I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSP IN ACCORDANCE WITH AN ANNUAL INSP AND IS APPROVED FOR RETURN TO SERVICE R. Tremaine IA 1439857

Security Aviation
12016 S. Prairie Ave
Hawthorne, CA 90250
FAA Approved Repair Station MH3R684L

Model: Mooney M20E
S/N: 670013
Reg No. N523MW

Date: September 8, 2016
W/O # 856040
Tach Time: 2630.9

Removed battery RG35AXC s/n 40165532, installed new battery p/n RG35AXC s/n 40818687, functional
check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current
Federal Aviation Regulations and was found airworthy for return to service on this date. Pertinent details
are on file at this agency. Date: 9/8/16 Signed: [Signature]

YEAR 20 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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Air 88, Inc. dba CROWNAIR
FAA Approved Repair Station #CWNR273K
3753 John J Montgomery Dr.
San Diego, CA 92123

N523MW
11-12-12

Mooney M20E
Tach: 2562.34 Hrs

S/N: 670013
ACTT: 2562.34 Hrs

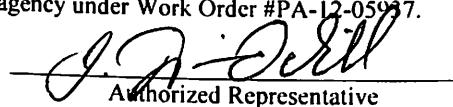
I certify that the altimeter(s) and static system test required by FAR 91.411 have been performed and found to comply with FAR Part 43, Appendix E. The altimeter(s) have been tested to 20,000 feet.

I certify that the ATC transponder(s) test and inspection required by FAR 91.413 has been performed and found to comply with FAR Part 43, Appendix F.

Pilot's ADC: S/N 643K
Altitude Encoder: S/N 123532

#1 Transponder: S/N 83718815

The aircraft identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this agency under Work Order #PA-12-05937.


Authorized Representative

2013	2589.60	REMOVED	RAP 215CC Vacuum Pump
NOV. 1		INSTALLED	NEW RAP 215CC Vacuum Pump # A52942
		VACUUM	CHECKED 5.0 INCHES
			Rechecked & Tachman AP 1439857

YEAR 20 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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Air 88 Inc. dba CROWNAIR
FAA Approved Repair Station #CWNR273K
3753 John J. Montgomery Dr.
San Diego, CA 92123

N523MW
11-22-13

Mooney M20E
Tach: 2594.8 Hrs

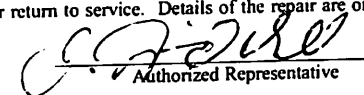
S/N: 670013
ACTT: 2594.8 Hrs

Maintenance Performed:

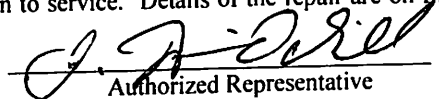
- Complied with Annual Inspection using Crownair Aviation Annual / 100 Hour Inspection Checklist, Form CA 105.
- Complied with annual ELT inspection and functional test I/A/W FAR 91.207(d) and found satisfactory. Next ELT battery replacement due on March 2015.
- Complied with AD 73-21-01, Paras. (a) & (c) by inspection and lubrication of flight controls and landing gear system rod ends and bearings. No defects noted. Due again @ 2694.8 Hrs Tach or November 2014.
- Complied with AD 76-07-12 by functional test of Bendix magneto switch and Ops checked good at this time. Due again @ 2694.8 Hrs Tach.
- Replaced collapsed cooling duct for digitizer.
- Reinstalled right engine cowl support bar after weld repair.
- Replaced fuel cap o-rings on left and right sides with new P/N MS29513-010 & P/N MS29513-338.

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

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-13-06348.


Authorized Representative

YEAR 20 <u>12</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.)
3 FEB	2543. ⁸⁰		2543. ⁸⁰	CHANGED OIL, ADDED 8 QTS AEROSPEC 15-50 CHANGED AIRWOLF OIL FILTER OWNER - R. M. 2138813 (RE ENTERED IN ENGINE LOG)
3 FEB	2543. ⁸⁰		2543. ⁸⁰	INSTALLED ENGINE ELECTRONIC DIGITAL TACHOMETER, HORIZON MODEL P-1000, P/N P100030 IN ACCORDANCE WITH HORIZON INSTRUMENTS, INC MASTER DRAWING LIST #P100030 REV A DATED JAN-15, 1993. A. T. M. 1A1439857
8-29	2556. ⁸⁰		2556. ⁸⁰	C/W AD 2012-05-09 BY INSPECTION PER MOONEY SB M20-313A DATED FEB 7 2012. FOUND NO DEFECTS. THE HUCK BOLTS WERE INSTALLED BACKWARDS FROM THE DRAWING, BUT REPLY FROM MOONEY DATED JUL 4 19 SAID THAT WAS OK A. T. M. 1A1439857

YEAR 20 DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
				<p align="center">Air 88 Inc. dba CROWNAIR FAA Approved Repair Station #CWNR273K 3753 John J. Montgomery Dr. San Diego, CA 92123</p>
N523MW 11-12-12		Mooney M20E Tach: 2562.34 Hrs		S/N: 670013 ACTT: 2562.34 Hrs
				Maintenance Performed: <ul style="list-style-type: none"> - Complied with Annual Inspection using Crownair Aviation Annual / 100 Hour Inspection Checklist, Form CA 105. - Complied with annual ELT inspection and functional test I/A/W FAR 91.207(d) and found satisfactory. Next ELT battery replacement due on March 2015. - Complied with AD 73-21-01, Paras. (a) & (c) by inspection and lubrication of flight controls and landing gear system rod ends and bearings. No defects noted. Due again @ 2662.34 Hrs Tach or November 2013. - Complied with AD 76-07-12 by functional test of Bendix magneto switch and Ops checked good at this time. Due again @ 2662.34 Hrs Tach. - Repaired fuel leak on right wing rear spar. by removing inboard bottom fuel panel. cleaned and resealed suspect areas and panel and reinstalled. Leak checks good at this time. - Inspected cabin step retract system and lubed all parts. During ground run. it is noted that the step will retract fully at approximately 2100 RPM and stay retracted. - Inspected aileron control travel using Mooney travel board. Travel is normal at this time I/A/W Mooney MM. - Removed autopilot servo control rod in left wing and relieved rib lightening hole for proper clearance. Reinstalled rod and checked for operation, checks good at this time. - Replaced fuel cap o-rings on left and right sides with new P/N MS29513-010 & P/N MS29513-338.
				I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.
				I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-12-05937.
				 Authorized Representative

YEAR 20 <u>11</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.)
				<p>The following altimeter system and altitude reporting equipment tests and inspections as required by FAR 91.411 I/A/W FAR 43 Appendix "E" have been performed.</p> <p>APPENDIX "E"</p> <p>Para (a) Static System <u>19 Aug 11</u> (date)</p> <p>Para (b) Altimeter(s) Pilots <u>23-574</u> C/Ps <u>1</u> Altimeter S/N <u>6431K</u> S/N <u>7</u> Tested to <u>22000</u> feet. (Date) <u>19 Aug 11</u></p> <p>Para (c) Integrated System Test <u>19 Aug 11</u> (date)</p> <p>Signature <u>[Signature]</u> Work Order No. _____</p> <p>PATTERSON AVIONICS, INC. PATTERSON AIRPORT P.O. BOX 2090 - PATTERSON, LA 70392 FAA Repair Sta. PT8R472J</p> <p>ATC Transponder tests and inspections as required by FAR 91.413 IAW Far 43, Appendix "F".</p> <p>TRANSPONDER MODEL <u>GT337</u> SN <u>8321645</u> <u>19 Aug 11</u> <u>Don E Poucher</u> (DATE AND SIGNATURE)</p> <p>PATTERSON AVIONICS, INC. PATTERSON AIRPORT P.O. BOX 2090 - PATTERSON, LA 70392 FAA Repair Sta. PT8R472J</p>

OCTOBER 01, 2011 Aircraft Total Time 2511.31 Hours (TACH: 2511.31)

Checked all attach points for safety and security. Checked all push-pull tubes and rod ends for defects. Checked all controls for security and freedom of movement. Lubricated all rod ends and hinge points. Checked wheels and brakes. Checked and re-packed wheel bearings. Serviced Challenger Air Filter I/A/W Challenger ICA # 4003. Installed new ELT restraining strap and clamp. The ELT battery expires March 31, 2015. The ELT has been tested in accordance with 14CFR Part 91.207(d)(1 through 4) and has passed all tests. Aircraft put on jacks and performed gear retraction and extension tests. All AD notes checked and complied with -see complete listing in rear of Aircraft Log Book.# 2.

Donald E. Poucher
Donald E. Poucher
311368811 A&P

YEAR 20 <u>11</u> DATE <u>10/1</u>	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.)
				<p>DATE 10/01/11 TIME IN SERVICE 2511.31</p> <p>I CERTIFY THAT THIS AIRCRAFT</p> <p>HAS BEEN INSPECTED IN ACCORDANCE</p> <p>WITH AN ANNUAL</p> <p>INSPECTION AND DETERMINED TO BE</p> <p>IN AIRWORTHY CONDITION THIS DATE</p> <p>SIGNATURE <u>Donald E. Poucher</u></p> <p>CERTIFICATE NO. <u>311368811 IA</u></p>

Aircraft Record General Information

Manufacturer Mooney Model M20E
Serial 670013 Registration Number N523MW
Date of Manufacture _____

Engine(s) currently installed:
Manufacturer Lycoming Model I0-360-A1A Serial L-3569-51A
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:
Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

LOG 2



The Standard

AIRCRAFT LOG

ASA-SA-1

DATE 2010 19	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
<p>The following altimeter system and altitude reporting equipment tests and inspections as required by FAR 91.411 I/A/W FAR 43 Appendix "E" have been performed.</p> <p>APPENDIX "E"</p> <p>Para (a) Static System <u>8-20-10</u> (date)</p> <p>Para (b) Altimeter(s) <u>23-374</u> C/Ps <u>643K</u> S/N <u>20000</u> feet.</p> <p>Tested to <u>8-20-10</u> (Date)</p> <p>Para (c) Integrated System Test <u>8-20-10</u> (date)</p> <p>Signature <u>[Signature]</u> Work Order No. <u>7101</u></p> <p>PATTERSON AVIONICS, INC. PATTERSON AIRPORT P.O. BOX 2090 - PATTERSON, LA 70392 FAA Repair Sta. PTBR472J</p>		
<p>ATC Transponder tests and inspections as required by FAR 91.413 IAW Far 43, Appendix "F".</p> <p>TRANSPONDER MODEL <u>GTX-337</u> <u>83716615</u></p> <p>DATE AND SIGNATURE <u>9/24/10</u> <u>[Signature]</u></p> <p>PATTERSON AVIONICS, INC. PATTERSON AIRPORT P.O. BOX 2090 - PATTERSON, LA 70392 FAA Repair Sta. PTBR472J</p>		

DATE 2010 19	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
<p>SEPTEMBER 17, 2010 Aircraft Total Time 2469.29 Hours (TACH: 2469.29)</p> <p>Checked all attach points for safety and security. Checked all push-pull tubes and rod ends for defects. Checked all controls for security and freedom of movement. Lubricated all rod ends and hinge points. Checked wheels and brakes. Checked and re-packed wheel bearings. Serviced Challenger Air Filter I/AW Challenger ICA # 4003. Replaced defective assist step retract cable with new 1/16" stainless steel control cable. The ELT battery expires March 31, 2015. The ELT has been tested in accordance with 14CFR Part 91.207(d)(1 through 4) and has passed all tests. Aircraft put on jacks and performed gear retraction and extension tests. All AD notes checked and complied with - see complete listing in rear of this Log Book.</p> <p><u>[Signature]</u> Donald E. Poucher 311368811 A&P</p>			
<p>DATE <u>9/17/10</u> TIME IN SERVICE <u>2469.29</u></p> <p>I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE SIGNATURE <u>[Signature]</u> CERTIFICATE NO. <u>311368811 IA</u></p>			

DA1

19

MAKE: Mooney
MODEL: M20E
S/N: 670013
REG. NO: N523MW
WORK ORDER:
1122-01-2009

Don Maxwell Aviation Services, Inc.

390 Central Road
Longview, Tx 75603
Phone: 903-643-9902

DATE: 1/20/2009
A/C TSN: 2270
TACH: 2270

ician or Repair

Airframe Entries

(2) Removed both exhaust cavity panels and inspected behind firewall and wheel well area's of previous damage repairs. Repairs looked fine. No unrepaired damage found.... (3) Aircraft equipped with a generator, operation normal.... (4) Removed seats, removed interior panels. Tightened loose terminal on fuel sender. Reinstall seats & interior... (5) Check compass at compass rose. Removed compensator, cleaned & zero'd compensator. Reinstalled. Adjusted for correct magnetic indication.... (6) Sparrow Avionics, adjusted encoder for proper output

Don Maxwell A&P 1784050

DATE: 1/20/2009

SIGNED: 

Work Order: 1122-01-2009

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MICHAEL SHALLBETTER 601-889-9592

Installed FAA PMA approved Whelen wing tip strobe light system. Instalation included 2 A650-PG/PR lights, 1 413A HDA-CF Power Supply, Whelen cable #HS60 and 1 W31X2M1610 Breaker. All work done IAW STC #SA615EA, Weight & Balance - Updated

DATE	TACK TIME	TOTAL TIME	ELT BATTERY DUE
03-16-2009	2315.7	2315.7	

AP3177996

DATE
2009
49RECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
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.)

AUGUST 01, 2009 Aircraft Total Time 2378.20 Hours (TACH: 2378.20)

Checked all attach points for safety and security. Checked all push-pull tubes and rod ends for defects. Checked all controls for security and freedom of movement. Lubricated all rod ends and hinge points. Checked wheels and brakes. Installed new brake linings on both main wheels (RA66-105). Checked and re-packed wheel bearings. Replaced one Cleveland felt grease seal on nose wheel. Serviced Challenger Air Filter I/AW Challenger ICA # 4003. The ELT batteries expire March 31, 2015. The ELT has been tested in accordance with 14CFR Part 91.207(d)(1 through 4) and has past all tests. Aircraft put on jacks and performed gear retraction and extension tests. All AD notes checked and complied with - see listing in rear of this Log Book.

DATE 8/1/09 TIME IN SERVICE 2378.20
I CERTIFY THAT THIS AIRCRAFT
HAS BEEN INSPECTED IN ACCORDANCE
WITH AN ANNUAL
INSPECTION AND DETERMINED TO BE
IN AIRWORTHY CONDITION THIS DATE
SIGNATURE Donald E. Poucher
CERTIFICATE NO. 311368811 IA


Donald E. Poucher
311368811 A&P

DF

11 MAKE: Mooney
MODEL: M20E
S/N: 670013
REG. NO: N523MW
WORK ORDER:
640-06-2006

Don Maxwell Aviation Services, Inc.

390 Central Road - East Texas Regional Airport
Longview, Texas 75603
Phone: 903-643-9902

DATE: 6/14/2006
A/C TSN: 2178
TACH: 2178

an or Repair

Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings,... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with tri-flow. Service central vacuum & garter filter. Inspect aft trim system.... (5) C/W AD by operations check IAW par. a,b,c,d... (6) AD 73-21-01 Part (A) by lubrication of all flight control systems and landing gear system rod end bearings with silicone spray lubricant Part (C) Landing gear retract test & rigging.... (7) AD 85-24-03 C/W by Replacement of both inner & outer O-rings on both fuel caps... (10) Complied with Altimeter 91.411 certification... (11) Check ELT battery date 06/11 and check operation per FAR91.207D... (13) Checked BNC connectors at radio. Ops flight check of both good... (14) Battery cables had been loose & low voltage. Ops check good... (15) Terminals loose on starter. Battery terminals loose. Hot started several times, no problems... (18) Removed VOR heads and disabled wiring to lights. Installed NU lights on both heads. Ran wire to overhead right side rheostat with compass light. Rewired overhead lites to left rheostat... (23) Reset both aileron bellcranks to neutral position. Adjusted LH aileron from .5*dn to 1*dn, RH aileron from 2.5*up to 1* dn. Set flaps dn travel from 29* & 30* to 31* dn for both flaps. Set up flaps position to match ailerons. Adjusted rudder from .25* RT to 1* RT.... (24) Install Lasar O/S Bushing on nose gear. Replaced 914007-003 & 005 bushings. Replaced AN23-16 bolt.... (25) Remove automotive voltage regulator & installed Zefronics G1500 controller... (26) Resecured Elt with 2 hose clamps.

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P 1784050 IA

DATE: 6/14/2006

SIGNED: 

Work Order: 640-06-2006

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DA

19. MAKE: Mooney
MODEL: M20E
S/N: 670013
REG. NO: N523MW
WORK ORDER:
850-07-2007



Don Maxwell Aviation Services, Inc.

390 Central Road - East Texas Regional Airport
Longview, Tx 75603
Phone: 903-643-9902

DATE: 7/18/2007
A/C TSN: 2227.21
TACH: 2227.21

ician or Repair

Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings,... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with tri-flow. Service central vacuum & garter filter. Inspect aft trim system.... (5) C/W AD 76-12-07 by operations check IAW par. a,b,c,d... (6) AD 73-21-01 Part (A) by lubrication of all flight control systems and landing gear system rod end bearings with silicone spray lubricant Part (C) Landing gear retract test & rigging.... (7) AD 85-24-03 C/W by Replacement of both inner & outer O-rings on both fuel caps... (14) FAR 91.411 & 91.413 next due 06/08... (15) Check ELT battery date 06/08 and check operation per FAR91.207D

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P 1784050 IA

DATE: 7/18/2007

SIGNED: 

Work Order: 850-07-2007


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TAKE TIME 210415 hrs. N523MW DATE 01-07-2005

REMOVED GARMIN GTX 327 TRANSPONDER P/N 011-00490-00 AND REPLACED WITH LIKE P/N S/N 83718815

REMOVED S-TEC TURN AND BANK COORDINATOR P/N 01260-15-0-14 AND REPLACED WITH LIKE P/N S/N 0404-4220D

0333241



David R. Rivers
DAVID R. RIVERS

DATE 19__ 2005	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-20-05	2117.37		2117.37	<p>Lubed Controls, rod Ends, greased landing gear, checked wheels & brakes, checked lights, performed gear retraction, Extension + preload checks, replaced fuel cap rings, resealed wing walk fuel plate PR 1428-B2 sealant, replaced vac. reg. Band filter B3-5-1, RTR retract Stop Boost/servo replaced w/ serviceable unit from Brittain Industries R/N 4059-1 S/N E0512060, Serviced A/C Battery, checked fuel screens, installed Laser shoulder Harness Kit # 5041163-405-2, Installed Laser flap gap seals Kit # 100 & Aileron gap seals Kit # 101 I/A/W STC # SA4443NM See 337 Serial this Date</p>

OVER →
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TACH TIME 2088


8523MM

DATE 10-10-2001

REMOVED SIGMATEK DG P/N 1U262-003-14 S/N T69926N
INSTALLED SIGMATEK DG P/N 1U262-003-14 S/N T70187N

QUALITY AVIONICS INC C R S QU8R488X WO-0332401
40 OAKLEY KELLY DRIVE
MERCER, PA 16137




DAVID R. RIVERS

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DATE 19__	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.)
				<p>TACH TIME 2084.2 N523MW DATE 10-08-2004</p> <p>REMOVED BRITTAN AUTO PILOT</p> <p>INSTALLED S-TEC SYSTEM 30 P/N ST-745-30 PER STC #SA509308AC AND BULLITENS # 700 AND #ST 745. EQUIPMENT INSTALLED INCLUDES S-TEC PARTS AS FOLLOWS: ROLL SERVO P/N 0105-1-R2 S/N 0437-18958CEFG, PITCH SERRVO P/N 0107-P5 S/N 0437-15515CDEFG, PITCH COMPUTOR P/N 01261-0-14 S/N 0436-4467A, PRESSURE SENSOR S/N 0434-32001AA, TURN & BANK INDICATOR P/N 01260-15-0-14 S/N 0437-4623D, PITCH CABLE P/N 39189-3, ROLL CABLE P/N 39188-4. FOR DETAILS SEE FORM 337 THIS DATE</p> <p>QUALITY AVIONICS, INC. C.R.S. QU8R488X WO# 0332401 40 OAKLEY KELLY DRIVE MERCER, PA 16137</p> <p><i>David R. Rivers</i> DAVID R. RIVERS</p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations er of Technician or Repair
				<p>TACH TIME 2084.2 N523MW DATE 10-08-2004</p> <p>REMOVED SIGMATEK DG MODEL 4000B-30</p> <p>INSTALLED SIGMATEK DG MODEL 4000C</p> <p>EMI/RFI TESTS PERFORMED WITH NO ADVERSE EFFECTS ON NEW OR EXISTING EQUIPMENT DETECTED. REF AC43.13-1B, REV 1, CH 11, PAR 106, 107.</p> <p>AN ELECTRICAL LOAD ANALYSIS PERFORMED. LOAD DOES NOT EXCEED 80% OF ELECTRICAL GENERATING SYSTEM CAPACITY. REF AC43.13-1B, REV 1, CH 11, PAR 37.</p> <p>AIRCRAFT EQUIPMENT LIST AND WEIGHT AND BALLANCE AMENDED. REF AC43.13-1B, REV 1, CH 10.</p> <p>QUALITY AVIONICS, INC. C.R.S. QU8R488X WO# 0332401 40 OAKLEY KELLY DRIVE MERCER, PA 16137</p> <p><i>David R. Rivers</i> DAVID R. RIVERS</p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair (ries.)
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AIR COLORS, INC.

1-877-426-4279

www.aircolors.net

N523MW Hours: 2034.67 Tach. 13 MAR 04

Items Removed: Ailerons, Elevators, Flaps, Rudder, Spinner, Engine cowls, all exterior access panels, NAV lights & Beacons. Stripped paint, cleaned, etched, Alodined, primed with Zinc-Chromate Epoxy Primer, painted with PPG Aerospace Desothane topcoat. Changed aircraft registration number from N3220F to N523MW IAW FAR Part 45 as specified by attached AC Form 8050-64. Performed gear retraction test, tested all exterior lighting, checked flight control balance and reassembled IAW Mooney service manual.

Stanley R. Williams AP 301428594

DATE 19__	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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15. REPLACED GEAR JOHNSON BAR AND RUDDER PEDAL BOOTS W/ NEW.
16. C/W AD 98-24-11 BY REPLACEMENT IAW MOONEY BULLETIN M20-264-001. LINKS MANUFACTURED BY LASAR P/N LA730006-000. AD NO LONGER APPLIES.
17. REPLACED AIR INDUCTION BOOT W/ NEW. P/N 600115-005.
18. REPLACED ALL ENGINE FUEL AND OIL HOSES W/ HOSES MANUFACTURED BY AVIALL HOSE SHOP WO # 0003516578-7776. LEAK AND OPS CHECKS OK.
19. REPLACED VACUUM PUMP W/ NEW RAPCO UNIT. P/N RA215CC.
20. REMOVED ENGINE MOUNT AND SENT TO KOSOLA , WO # 31427 FOR INSPECTION AND REPAIR. RE-INSTALLED ENGINE MOUNT.
21. INSTALLED NEW SPINNER IAW STC SA8659SW. SEE FORM 337 DATED 02-20-04.
22. REPLACED LOWER R/H SIDE AILERON SKIN IAW MOONEY REPAIR MANUAL /AC43.13 . P/N 230015-014.
23. REPLACED R/H WING TOP SKIN IAW MOONEY REPAIR MANUAL /AC43-13. P/N 220000-148.
24. REPLACED MARKER BEACON AND XPONDER ANTENNAS. P/N CI-101/CI 102.
25. REPAIRED FORWARD FUSELAGE DAMAGE BY SPLICING IN SERVICEABLE LOWER FORWARD FUSELAGE TUBING STRUCTURE IAW MOONEY STRUCTURAL MANUAL 68-20 & 22-SR-B AND AC43-13. ALSO REPLACED NOSE WHEEL WELL/ SERVICEABLE PART, FWD FLOOR BOARD PANELS SPLICED INTO EXISTING FLOOR BOARD W/ SERVICEABLE PANELS IAW MOONEY STRUCTURAL MANUAL AND AC43-13. SOUND PROOFING APPLIED TO NOSE WHEEL WELL. FLAMMABILITY TESTS IAW FAR 23.853 (d)(3)(V). CHECKED RIGGING OF ALL CONTROLS. ALL SYSTEMS CHECKED SAT.

DATE 19__	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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26. REPLACED NOSE GEAR RETRACT TRUSS, RETRACT LINK, SHOCK DISCS, STEERING HORN AND NOSE GEAR RETRACT RODS W/ NEW PARTS & ASSOCIATED HARDWARE. GEAR RIGGING, RETRACT AND EXTENSION TEST OK. PRELOAD CHECKS OK. P/N 530068-001, 540016-503, 560044-000, 530021-000.
27. REPLACED BOTH MAIN GEAR DOOR ASSYS. CHECKED RIGGING. OPS CHECK OK. P/N 550003-001 550003-002.
28. REPLACED NOSE GEAR DOOR ASSYS. CHECKED RIGGING. OPS CHECK OK. P/N 550032-003,005.
29. REPLACED NOSE GEAR STEERING HORN ASSY. OPS CHECK OK. P/N 720012-503
30. AIRCRAFT TEST FLOWN. ALL SYSTEMS SAT.
31. AD(s) CHECKED THROUGH BIWEEKLY 2004-02
32. C/W 91-207(d) BATTERY EXPIRES 7/04. END-----

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Airframe has been Repaired
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number 4412

Signed:

Thomas J. Williams

Date: 2-1-04

DATE 19__ 2003	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/11/03				Removed the existing King KLN 88 Loian, KH 83 Antenna, KR 86 ADF, KA 42B Loop antenna, KI 209 VOR/GS Ind. Installed new Bendix/King KLN 94 GPS, KMD 150 Moving Map Display, PIN 066-01174-030i SIN 27200634, KI 209A Nav/GPS Ind. PIN 066-03056-0011 SIN 8776, Mid-Continent MD 41-1524 s/n B23434, and Electronics International ASC-SA clock SIN 58911. Removed Brittain BI 706 servo PIN 20444-0-1 SIN R0314096 and shipped it to Brittain for overhaul. Reinstalled the servo after overhaul by Brittain Ind. Tested all systems in accordance with the manufacturer instructions, and all tests are normal. Tested the altitude reporting system in accordance with F.A.R. 43, Appendix E para. 'C'. All tests are normal. Updated the weight and balance as re- quired. See FAA Form 337. Installed placard on the instrument.

DATE 19__	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.)
			Cont.	panel: "GPS approved for VFR use only" pending IFR Approval of the KLN 94 GPS. New Empty Wt: 1064.82 EWCG: 44.77 Mom: 74539.98 Useful load: 910.18
				MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found approved for return to service. Pertinent details of the repair are on file at this agency under work order: NO. 1124 DATE 4/11/03 Signed <u>Plan D. Steiner</u> for Steiner Aviation International, Inc. 1600 Trippett Boulevard Akron, Ohio 44306 CRS-V4NR896Y

DATE 19__	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.)
				<p>STEINER AVIATION INTERNATIONAL, INC.</p> <p>MFG <u>Mooney</u> 1600 Triplett Boulevard DATE <u>11/1/02</u> MODEL <u>M20E</u> Akron, Ohio 44306 WO # <u>1124</u> ACS# <u>670013</u> CRS V4NR886Y T.T. <u>1962.9</u> ACN# <u>N3220F</u> T.L. _____</p> <p>Removed the existing King KMA 20 Audio Panel and a Sistrone's SPA 400 Intercom. Installed a new Garmin GMA 340 Audio Panel PIN011-00401-10 51496262796. The work was completed in accordance with the GMA 340 Installation Manual PIN 190-00149-01 Revision K May 2002, A.C. 43.13-1B chapter 11 sect. 1, 3-17, A.C. 43.13-2A chapter 1. All systems Tests are normal. Completed weight and balance update.</p> <p>MAINTENANCE RELEASE</p> <p>The Aircraft or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on File at this repair station under</p> <p>Work Order Number <u>1124</u> Date <u>11/1/02</u> Time _____ Signed <u>[Signature]</u></p> <p>STEINER AVIATION INTERNATIONAL, INC. V4NR886Y 1600 TRIPLETT BOULEVARD AKRON, OHIO 44306</p>

DATE 19__	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.)
3-21-03	1987.27			<p>Installed J.P. Instrument EDM 700 Engine Temp monitor system STC # SA 2586 NM ALL WORK DONE I-A.W INSTALLATION INSTRUCTIONS OPS CK's good Paul Wein AP 186583335 IAW</p>

ALTIMETER SCALE CORRECTION CARD

ALTIMETER SIN 543 K
PART NO. 22-374-601

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-20	14000	0
0	-10	16000	0
500	-20	18000	+20
1000	0	20000	+40
1500	-20	22000	
2000	-20	25000	
3000	-20	30000	
4000	-20	35000	
6000	-30	40000	
8000	-20	45000	
10000	-20	50000	
12000	-15		

FAA Certified Repair Station
#GY5R900M
1251 West Blue Road
Springfield, Ohio 45502

Model 11-17
Test Date 10-17-02
Markus W. W. W.
signature
Mac Michael

ts, Repairs and Alterations

Rating and Certificate Number of Technician or Repair Facility entries.)

40934

clean in the fuel

ing system
by FAR 91.411

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
19__			

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.)

STEINER AVIATION INTERNATIONAL, INC.
1600 Triplett Boulevard
Akron, Ohio 44306
CRS V4NR896Y

DATE 11-1-02
WO # 1121
T.T. 1960.9
T.L.

MFG Mooney
MODEL M25
A/C S # 670613
A/C N # N3220F

Removed 1/4 Fuel Sending unit and 1/4 Fuel Indication
Sent to Air Parts of Lock Haven for over haul Received Back
and installed Performed LEAK CK and Function CK
System operates normal

MAINTENANCE RELEASE
The Aircraft or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under
Work Order Number 1121
Date 11-1-02 Time 1960.9
Signed Markus W. W. W. 196583335
STEINER AVIATION INTERNATIONAL, INC. V4NR896Y
1600 TRIPLETT BOULEVARD AKRON, OHIO 44306

DATE 19__ 2002	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-08	1947.8			AD's Cont.
				77-17-04 Control wheels for Chocks
				93-02-05 Injector lines & clamps OK
				98-24-11 Aileron Push Rods - next due
				2047.8
	SMOHA	0.0		Applicable AD's CRD thru 2002-13P
				I Certify That this Aircraft Has Been Inspected I/A/W A 100 Hr/Annual Inspection And Has Been Determined To Be In An Airworthy Condition
				Robert A. Norman
				AdP 298664021 JA

DATE 19__ 2002	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-08	1947.8			Test Flow A/C After engine O/H, All ops Normal Robert A. Norman 298664021 CFII 3-31-03
09-07-02	1949:49			Removed Defective Hartzell Prop. Installed New Replacement Hartzell Prop PN HC-C3YR-1RF/F7282
	SN New Prop	0.0		SN DY 5547B - Test Run All ops Normal Robert A. Norman AdP 298664021 JA

DATE 19 2001	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.)
07-16-01	1939:14			Placed A/C on jacks, Cycled Gear, Checked All Warning Systems. Inspected Wheels & Brakes. Serviced Battery ELT Battery Next Ave AUG 2002, ELT Tested I/AW FAR 91.207 "d". Checked All lights.
Sm08	870:14			4W AD 73-21-01 Lubed Rod End Bearings 76-07-12 Bendix Ignition switch By ops ck 77-17-04 Control wheels for cracks 93-02-05 Injector Lines & Clamps 102 61-5 98-24-11 Aileron Push Rod Control Linker new line 2039144 Applicable AD's CKD thru 2001-13 F
				I Certify That this Aircraft Has Been Inspected I/AW A Annual Inspection And Has Been Determined To Be in An Airworthy Condition
				Robert A. Norman A&P 298LL4021 DA FAR 91.411 & 413 Are Ade

DATE 19	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.)
	1946.5			2/8/02 Pass Aircraft on jacks remove all gear retract rods in belly. remove retract truss & Lever. Clean all rods & die penetrant. One rod bent & replaced. Prime & paint Rods & Inst. New retract truss & Lever from owner. Replaced L & R nose gear doors & clw SB-M 20-202 nose steering/tracking improvement. Inst. rods with new bolts & Set gear to spec. both maines at 280 & nose to 130. Swing gear after lub to check lites & horn all work. Remove Prop & do a crank run out on flange & Found in serviceable limits at .004. Inst. Hartzell Top Prop. Performance conversion Per. STC, SA 4529NM and Hartzell Inst. & owners manual #115N placard panel for Limits. Run up & Leak check found OK. Amended wt & balance.
				John R. Fugle A&P 200423762 IA

DATE 19 <u>99</u>	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.)
06-21-99	1885:37		1885:37	C/W AD 98-24-11 Cracks in Control Links OK. next Due @ 1985:37 Applicable AD's CKD & C/W thru 99-13M
	SMOHT 816:37			I Certify That this <u>AIRCRAFT</u> Has Been Inspected I/AW A 100 Hr Annual Inspection And Has Been Determined To Be In An Airworthy Condition Robert A. Norman A/P 298664021IA

DATE 19 <u>00</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-11	1923:42			Placed Aircraft on Jacks, Cycled Gear. Greased Gear, Inspected wheels & Brakes - Serviced Brake Reservoir Checked Warning Horn & Lights. Serviced Battery Replaced ELT Battery, next Due Aug 2002. ELT Tested I/A/W FAR 91.207 "D". Checked Lights.
	smoht 854:42			C/W AD 73-21-01 Lubed Rod Ends 76-07-12 Bendix Ignition Switch By ops 77-17-04 Control wheel for Cracks. 93-02-05 Injector Lines & Clamps OK. 98-24-11 Aileron Control Links OK next Due 2023:42 Applicable AD's CKD & C/W thru 2000-14F
				I Certify That this <u>AIRCRAFT</u> Has Been Inspected I/AW A 100 Hr Annual Inspection And Has Been Determined To Be In An Airworthy Condition Robert A. Norman A/P 298664021IA END

DATE 19 <u>98</u>	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.)
07-22-98	1824:23			Removed Defective Dukes Fuel Pump & Installed Serviceable Dukes Fuel Pump P/N 1499-06-19 SN-0132 Ops Ckd OK Robert A. Norman A#P298664021
12-01-99				Removed Oil Temp Gauge & Sent to Aspects of Lock Haven See Tag. Re Installed & Repaired wiring @ Engine Robert A. Norman A#P298664021

DATE 19 <u>99</u>	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.)
06-21-99	1885:37			Placed Aircraft on Jacks, Cycled Gear & Greased - Inspected Wheels & Brakes - Serviced Battery - Lubed Control Rod Ends - Removed Ignition Switch and Checked Switch Connections, Cleaned Switch, & Re Installed - Removed Starter Vibrator & Cleaned & Tested, Re Installed Inspected Aileron Control Rods for Gussetts & Cracks Re Installed - ELT Tested I/A/w FAR 91.207 D ELT Batterys next due April 2000 C/w AD 73-21-01 Lubricated Rod Ends 76-07-12 Bendix Ignition Switch 77-17-04 Control Wheels for Cracks 93-02-05 Injector Lines & Clamps

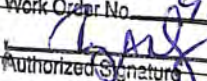
Cont next Page

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-1	1818:97			<p>I certify the A/C's inspection and inspection required by FAR 91.411 were performed this date and found to comply with FAR 91.411, Appendix E.</p> <p>01 Make <u>172A</u> Model <u>A750A</u> S/N <u> </u></p> <p>02 Make <u> </u> Model <u> </u> S/N <u> </u></p> <p>Date of this inspection and on file at this repair station under W.O. <u>1199-1</u> Date <u>7-1-98</u></p> <p>Signature <u>[Signature]</u></p> <p><u>[Signature]</u> Southeastern Ohio Air Service, Inc. P.O. Box 883 850 Airport Road Zanesville, Ohio 43702-0883 Certified Repair Station No. DXGR393D</p> <p>Automatic pressure altitude reporting systems has been tested as required by FAR 91.411 IAW FAR 43 Appendix E, para (c) Date <u>7-1-98</u> <u>[Signature]</u> <u>[Signature]</u> Southeastern Ohio Air Service, Inc. P.O. Box 883 850 Airport Road Zanesville, Ohio 43702-0883 F.A.A. Repair Station No. DXGR393D</p>

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-1			1818:97	<p>I CERTIFY THAT THE ALTITUDE AND STATIC SYSTEM CHECKS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED - THE ALTITUDE WAS CALIBRATED TO 20,000 FT BY CRS DXGR393D - <u>[Signature]</u> INSP FAR R/S</p>

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
<u>4-5</u>			<u>1804.66</u>	(From previous page). Equipment list incl weight and balance updated. Checked all AD's thru 97-06.
				I certify that this aircraft and/or engine has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Work Order No. <u>9902</u> Date <u>4-5-97</u> <u>[Signature]</u> Authorized Signature Southeastern Ohio Air Service, Inc. P. O. Box 663 650 Airport Road Zanesville, Ohio 43702-0663 FAA Repair Station No. DXGR300D

[illegible]

DATE 19 <u>96</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-29	1799.6			Installed King KR86 ADF w/ KING KA42B Loop/Sense Antenna. See FAA Form 337 dated 6-29-96 For Details. New Empty wt. 7646.6 - New Moment 74913 New Empty wt. CG. 45.5 Useful Load 946.4
				This aircraft and/or component was repaired and inspected in accordance with the current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at the agency number: Work Order No. <u>9851</u> Date <u>7-3-96</u>  Authorized Signature Southeastern Ohio Air Service, Inc. P.O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 F.A.A. Repair Station No. DXGR399D

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-5	1804.66			Completed Annual inspection Elton Mooney M20 series maintenance manual, inspection checklist and FAR 43. Checked Gen operation and lubricated. Chg AD 73-31-01. Scanned brake hydraulic system. Scanned battery and checked electrical system. Lubricated flight controls. Checked and inspected ECT Elton PM 91.207(d). ECT Battery due @ 5/97. Removed side up holding panels and inspected fabric Elton Mooney SB M20-200B. No corrosion noted. Replaced Artificial horizon with exchange unit. Installed King KR88 Coran-C. navigation Receiver. See FAA Form 337 dated 4-5-97 for details (Continued next page)

Aircraft Record General Information

Manufacturer MOONEY Model M20E

Serial 670013 Registration Number N3220F

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A1A Serial C-3569-51A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____ Serial _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____

LOG 1

AIRCRAFT LOG

MOONEY AIRCRAFT, INC.

MEMORANDUM

DATE

80-13-03 Mooney Kit M20-222-1 installed 9-22-80 Sam Winters

RADIO INSPECTION AND REPAIR

[illegible]

[illegible]

DATE	REMARKS
	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
5/1/96	TDAT 1799.3 Installed Overhauled four-coordination PLN 684-2P-200 SN 103902 - Installed Siotronics SPD-400 Intercom. See FAA Form 337 DATED 5-1-96 for details.
	This aircraft and/or component was repaired and inspected in accordance with the current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at the agency number:
	Work Order No. <u>2170</u> Date <u>5-1-96</u>
	Authorized Signature <u>[Signature]</u>
	Southeastern Ohio Air Service, Inc. P. O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 FAA Repair Station No. DXGR393D

FLIGHT LOG


DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
1-27-96	TACH 1793.00							REMOVED AIL A30 GUNCOCK FOR REPAIR AND REPLACED AFTER REPAIR. Automatic static system leak etc performed.		
Automatic pressure altitude reporting systems have been tested as required by FAR 91.411 IAW FA Appendix E, para (c)										
Date 1-27-96										
Signature [Signature] R										
L [Signature] 0127150593										
Southeastern Ohio Air Service, Inc. P.O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 F.A.A. Repair Station No. DXGR393D										
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

2-19-96 TACH 1793.00 Replaced gyro horizon w/
Overhauled Edo-Aire 5000F-3 SIN 22310
This aircraft and/or Component was repaired and in-
spected in accordance with the current Federal Aviation
Regulations and was found airworthy for return to
service. Pertinent details of the repair are on file at this
agency number:
Work Order No. [Signature] Date 2-19-96
Authorized Signature [Signature] Cert. No. A+P2750593
Southeastern Ohio Air Service, Inc.
P.O. Box 663
850 Airport Road
Zanesville, Ohio 43702-0663
F.A.A. Repair Station No. DXGR393D

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
12-27-95	1790.46 TACH							(from previous page)		
<p>I certify that this aircraft and/or engine has been inspected in accordance with a <u>Annual Inspection</u> and was determined to be in airworthy condition.</p> <p><u>Ray Alley</u> <u>IA 278508932</u> <u>U.C. # 3749</u> Mechanic Cert. No.</p> <p>Southeastern Ohio Air Service, Inc. P.O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 F.A.A. Repair Station No. DXGR393D</p>										
<p>Airborne</p> <p>Air Filter Change Reminder</p> <p>Changed at: <u>1790.46</u> Hrs. Next Change: _____ Hrs.</p> <p><u>12-27-95</u> Date </p>										
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
1-19-96	TACH 1793.00
	Removed nose gear shock absorber I/P/W Mooney Aircraft Corp. service instructions Drawing No. 940052 dated 10-19-87, New weight + balance information as follows:
	New Empty Weight = <u>1637.6</u>
	New Empty Alc moment = <u>74613</u> <u>74613</u>
	New Empty weight C.G. = <u>45.56</u>
	New Useful Load = <u>937.4</u>
	<u>Ray Alley</u> <u>IA 278508932</u>

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
12-27-95	1790.46 TDC14							(from previous page)		
<p>I certify that this aircraft and/or engine has been inspected in accordance with a <u>Annual/100 hr</u> inspection and was determined to be in airworthy condition.</p> <p><u>[Signature]</u> IA 278508932 Mechanic Cert. No.</p> <p>Southeastern Ohio Air Service, Inc. P.O. Box 668 850 Airport Road Zanesville, Ohio 43702-0663 E.A.A. Repair Station No. DXGR393D</p>										
<p>TOTALS FORWARD</p>										
<p>TOTALS TO DATE</p>										

Airborne

Air Filter Change Reminder

Changed at: 1790.46 Hrs. Next Change: _____ Hrs.

12-27-95 Date



FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				

12-27-95 A/C Total Time 1790.46

LOGBOOK ENTRY

Performed annual inspection I/AW Mooney M20E Service Manual. Electrical system inspected. Replaced battery with new Gill G-35 battery. All lights checked. Replaced Grimes rotating beacon with Whelen sel-contained strobe light, I/AW STC SA800EA (see FAA Form 337 dated 12-27-95 for details). Checked power boost system for proper operation. Replaced flex air duct p/n 600115-005 to fuel injector body. Cleaned fuel filter and fuel selector valve. Replaced p/n 940057-001 fuel drain gasket. Removed seats, side panels, and floor carpet. Painted side panels and installed new carpet and recovered seats. All material used meets requirements of FAR 25.853. Removed old side panel insulation and replaced with Insulation Kit p/n 1720-208-001. Performed Mooney SB M20-208B. No corrosion noted. Opened all inspection access covers and lubricated all control surfaces. Placed aircraft on jacks and installed repaired nose gear truss p/n L940042-505. New truss incorporates wheel limit stops. Adjusted gear preload and performed normal gear retraction. Lubricated all gearlinks I/AW AD 73-21-01. Due again in 12 months or 1890.46 TT. Removed all wheels and repacked wheel bearings. Replaced nose wheel bearings. Replaced both main wheel brake disc, p/n RA 164-20, and linings. Fabricated new LH and RH brake lines. Bled brake system. Replaced Oring in flap actuator and serviced system. Adjusted flap position indicator system. Fabricated new pilot's instrument panel and reconfigured instrument layout to standard "T" configuration. (See FAA Form 337 dated 12-27-95 for details).

CONTINUED NEXT PAGE

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

- 12-27-97 1790.46 TT
- Installed overhauled altimeter, airspeed and vertical speed indicator. Installed 9 new J-6984-4 shock mounts
- Installed new 1" suction gauge p/n 10-01100. Replaced old AN style Directional Gyro with Sigma-Tek
- p/n 4000B-30 s/n T41898E. Replaced p/n B3-5-1 vacuum system filter, p/n 1J7-1 central instrument filter,
- and 2- 11863 vacuum filters. Installed 1- King KMA 20 Audio Panel s/n 2454 and CI102 Marker Beacon
- Antenna, 1 - King KX155 NavCom w/GS s/n 6360 and KI209 Indicator s/n 17078, and 1- King KX155
- NavCom s/n 32224 with KI208 Indicator s/n 61080. Installed ACK A-30 Altitude Encoder (See FAA Form
- 337 dated 12-27-95 for details). Performed transponder/encoder and pitot/static system test I/AW FAR
- 91 and 43. Replaced top cowling seal strip. Replaced ELT battery DUE 05/92. Replaced p/n 130091-045
- cabin door interior panel. Replaced p/n 3319 door lock set. AD 77-17-04 DUE 1900 TT. Researched all
- ADs, compiled AD Compliance Record (See back off logbook). All ADs thru Biweekly 95-25 checked.

(Cont. next page)

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
05-06-95	TACH		1790	1						
<p>AIRCRAFT INSPECTED FOR FERRY FLIGHT FROM CAMBRIDGE, OHIO to Zanesville, Ohio for purpose of ANNUAL inspection. Flight to be conducted in accordance with operating limitations issued by CAAH FS00 dated 5-5-95</p> <p>Aug 21/95 ADP210508932</p>										
TOTALS FORWARD										
TOTALS TO DATE										

DATE		REMARKS
		INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
12-15-95	TACH 1790.46	
<p>I certify the A/C was properly tested and inspected by (1) 618 were performed this date and hour of day only with Part No. Appendix E or Make <u>NARCO</u> Model <u>AT55A</u> S/N <u>—</u> or Make <u>NARCO</u> Model <u>—</u> S/N <u>—</u> Date of this inspection and on file at this repair station for S/N <u>3449</u> Serial <u>12-15-95</u> Signature <u>[Signature]</u> <u>ADP 27852857</u> Southeastern Ohio Air Service, Inc. P.O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 Certified by Technician No. <u>DXGR393D</u></p>		<p>Automatic pressure altitude reporting systems has been tested as required by FAR 91.411 IAW FAR 43 Appendix E, para (c) Date <u>12-15-95</u> L <u>[Signature]</u> <u>ADP 27852857</u> Southeastern Ohio Air Service, Inc. P.O. Box 663 850 Airport Road Zanesville, Ohio 43702-0663 F.A.A. Repair Station No. <u>DXGR393D</u></p>

FLIGHT LOG									LICENSE NUMBER
DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE
			Up	Down	Hours	Min.			
1985									
<p>Date <u>2/1/85</u> Tack Time <u>1754-04</u> I certify that this aircraft has been inspected in accordance with <u>Manual</u> inspection and was determined to be in airworthy condition. AD <u>85-24-03 CW</u> <u>IA 309370 William M. Browning</u> <i>William M. Browning</i></p>									
TOTALS FORWARD									
TOTALS TO DATE									

TIME IN AIR			Miles Flown	REMARKS	SIGNATURE
Wn	Hours	Min.			
				Tack Time 754.94	
Date 2/1/85					
I certify that this aircraft has been inspected in accordance with <u>General</u> inspection and was determined to be in airworthy condition. AD 85-24-03 CW IA 309370 William M. Browning					
<u>William M. Browning</u>					

condition. AD & ...
309070 William M. Browning
Postman Th.

TOTALS FORWARD	
TOTALS TO DATE	

DATE
1987

6-19

RT 1770.8 Total Hours - 1770.8 AD's checked thru 87-10

Wings ✓ Fuel System ✓ Empennage ✓

Wings ✓ Landing Gear ✓ Struts ✓

abric-Skin ✓ Tail-Nose Wheel ✓ Battery ✓

Windshield ✓ Main Wheels ✓ Brakes ✓

Install new ELT battery pack serial 6-88

check and lub flight control and landing gear per AD 73-21-01

gear extraction performed on jacks AD 77-1704 due at 1900.0 hours

I CERTIFY THAT THIS aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH

an Annual

INSPECTION AND WAS DETERMINED TO BE IN AIR

WORTHY

June 19, 1987

William E. Nickl I A 1782936

10-1 INSTALL 3 NEW TIRES - 2 on MAINS & 1 nose & wheel

FLIGHT LOG

FLIGHT LOG										
DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
4-26-84	Installed							KI-201C. Weight & Balance computed. Equipped changed.		
	New England				1656.7			Leon I ran for:		
	" C.B.				45.8			Coppyville Airways Inc.		
	" Mount				759.82			Butt Repair Co. #364-76		
	Useful load				918.3					
10/14/84	TACH R.D.G.				1719.92 HRS.			REPLACE LININGS ON BOTH MAINS. BLEED LEFT BRAKE. Requested, 14P1224447		
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE		REMARKS
1985		INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
3/5	TACH. RRG. 1742.65 HRS. REMOVE PROP. FOR C/H 51 C/W AD 77-12-06 - (AIRCRAFT ACCESS. of CKLG. 9m.) REINSTALL PROP on AIRCRAFT - SEE PROP LOG FOR WORK DONE -	
3/29	RELINES & BLEED BRAKES - REPLACE 1 in. A 7079-12 GRIMES BEACON BULB -	Robert E. Sauer ASIP 1224447
7/1/85	TACH. RRG. & T.T. 1754.94 HRS. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. GEAR RETRACT. CK. - O.K. ELT. BATTERY DUE 7/86	Robert E. Sauer ASIP 1224447

FLIGHT LOG

FLIGHT LOG										
DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
	NO TOU HOUR INSPECTION									
	WIRFRAME • JACKED AIRCRAFT, REMOVED WHEELS, GREASED BEARINGS AND GEAR, CHECKED BRAKES, CHECKED RETRACTION AND EMERGENCY EXTENSION, CHECKED ELECTRICAL SYSTEM AND BATTERY, CHECKED ALL CONTROLS AND LUBED AS NEEDED. REMOVED ALL INSPECTION PLATES AND CHECKED STRUCTURE. CHECKED COCKPIT, BELTS, LIGHTS, AND INSTRUMENT OPERATION.									
								<i>Installed new A/C battery</i> <i>AD73-21-01 C/W lubed control rods</i>		
								<i>DATE 2-1-57 TACH 1657</i>		
								I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH <i>control</i> INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER WO <i>1405</i> APPROVED REPAIR STATION NO. 311-12		
								INSPECTOR: <i>Thomas M. Spencer</i>		
								SPENCER AIRCRAFT MAINTENANCE, INC.		
								BUTLER MEMORIAL AIRPORT - BUTLER, MO.		
TOTALS FORWARD										
TOTALS TO DATE										

DATE 2-1-83 TACH 1657
 I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN
 INSPECTED IN ACCORDANCE WITH annual
 INSPECTION AND DETERMINED TO BE IN AIRWORTHY
 CONDITION. OTHER DETAILS OF THIS INSPECTION
 ARE ON FILE AT THIS FACILITY UNDER WO 1405
 APPROVED REPAIR STATION NO. 311-12
 INSPECTOR: Thomas M. Spencer
 SPENCER AIRCRAFT MAINTENANCE, INC.
 BUTLER MEMORIAL AIRPORT - BUTLER, MO.

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
	<p>NO TOU HOUR INSPECTION</p> <p> WIRFRAME • JACKED AIRCRAFT, REMOVED WHEELS, GREASED BEARINGS AND GEAR, CHECKED BRAKES, CHECKED RETRACTION AND EMERGENCY EXTENSION, CHECKED ELECTRICAL SYSTEM AND BATTERY, CHECKED ALL CONTROLS AND LUBED AS NEEDED. REMOVED ALL INSPECTION PLATES AND CHECKED STRUCTURE. CHECKED COCKPIT, BELTS, LIGHTS, AND INSTRUMENT OPERATION. </p> <p> <i>AD73-21-01 C/W lubed control rods</i> </p>
DATE <u>4-1-84</u> TACH <u>1670.2</u>	<p> I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION. OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER WO <u>1634</u> APPROVED REPAIR STATION NO. <u>367-12</u> </p> <p> INSPECTOR: <u>Thomas M. Spencer</u> SPENCER AIRCRAFT MAINTENANCE, INC. BUTLER MEMORIAL AIRPORT - BUTLER, MO. </p>

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
9-22-80	Tack							is 1564.0 Annual insp. AD 73-21-01 c/w rod ends lubed & gear checked & lubed. Replaced both main tires. Replaced flex. hyd. supply line under floor board for flap system. Serviced battery & brakes. Replaced lga. beacon bulb. Installed Mooney Kit # M20-222-1 to comply with A.D. 80-13-03 (Fuel Filter). Landing gear cleaned & painted & aircraft washed.		
								Tom Winters A+P 1898473 I.A.		
								"I certify this aircraft has been inspected in accordance with a annual inspection and found to be airworthy."		
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
81	
10-7	A/C gun 100 in. insp. control rods and hinges checked and lubed. A.D. 73-21-01 c/w gear greased. Conducted return check. lubed nose wheel bearings. checked brakes.
	I certify that this Aircraft has been inspected in accordance with Annual inspection and determined to be in Airworthy Condition.
	Date 10-7-81 Tack Time 1614. Total Time 1614.
	Thomas Spencer A+P 1658830 I.A.

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
9-22-78	Tack & total time						1417.0 hrs.	Annual inspection. Replaced fuel press. flex hose from engine to firewall. Replaced flex air inlet duct to F.I. air body. Replaced EHT battery pack.		
								"I certify this aircraft has been inspected I. A. W a annual inspection and found to be airworthy."	Tom Winters A+P 1898473 IA	
11-22-78	Tack time						1446.0 hrs.	Replaced engine driven vac. pump with new Airborne 211 CC 5/12C 16186 Tom Winters A+P 1898473		
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
10-25-79	1522. A/C given 100 hr engine control rods checked hinges lubed wheel bearings lubed. 1277-21-01 C/W lubed EHT control rods.
	I certify that this Aircraft has been inspected in accordance with annual inspection and determined to be in Airworthy Condition.
Date 10-25-79	Tack Time 1522 Total Time 1533
Thomas on Spencer	AP 1658830 IA

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
6-18-75	A.D. 75-09-08							Engine mount replaced with factory new 590000-511 assy. Further inspections not required per this A.D. Tom Winters A&P 1898473		
10-12-75	Replaced							P/V 660189-003 mixture cable, Tom Winters A&P 1898473		
3-23-76	Narco AT-50A xpr. installed, weight + balance and equipment list revision given to owner for A/c file. Tom Winters A&P 1898473									
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
5-29-76	Tack reads and total time is 1177.0 hrs. Annual insp. Replaced beacon bulb. Replaced fuel boost pump with new P/V 610153-501 assy. Tom Winters A&P 1898473 IA. "I certify this aircraft has been inspected I. A. W. annual inspection and found to be airworthy."
7-7-77	Tack + total time 1263.0 hrs. Annual inspection Replaced both main tires, replaced all brake linings. Tom Winters A&P 1898473 IA. "I certify this aircraft has been inspected I. A. W. annual inspection and found to be airworthy."
7-20-78	A.D. 77-17-4 control wheels both OK at this time due recheck at 1900.00 hrs. T.T. Tom Winters A&P 1898473

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE

74

2/26 Annual inspection Tack + total time 1025.0
C.W. AD 72-12-2 on landing gear + rod ends.
Replaced left main tire.

"I certify this aircraft has been inspected I. A. W.

John Winters
AtP1898473IA.

an annual inspection and found to be airworthy."

5-1-75 Annual insp. tack + total time 1069.0 C.W. AD
72-12-2 on land. gear + rod ends. Replaced 2 ea.
brake linings, Replaced fuel drain valve, Replaced
fuel inj. air inlet duct, Replaced fuel boost pump,
SW. A.D.'s current thru 75-8.

"I certify this aircraft has been inspected I. A. W.

John Winters

an annual inspection and found to be airworthy."

AtP1898473IA.

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER	
			Up	Down	Hours	Min.					
	I certify that this <u>aircraft</u> has been inspected in accordance with a <u>annual</u> inspection and was determined to be airworthy.										
	TOTAL TIME <u>922.41</u>						<u>4-16-71</u>				
	NAME <u>Fred C. Fleam</u>						K C PIPER SALES, INC.				
							Box 366A 913 State 2-3122				
	No. <u>A-I 394284</u>						R. R. 2 Olathe, Kansas				
TOTALS FORWARD											
TOTALS TO DATE											

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
72	
11/13	Annual insp. Total time 1004.00 Replaced battery with new Willard W-35. Repaired static air line at right port fitting. C.W. A.D. 72-12-2 and Mooney S.B. M20-155, retraction links replaced and preload adjusted, all control rod ends lubed with silicone spray. Greased gear, ck'd tires, and brakes. (Note sealant on order to repair scap at bott. right fuel tank access plate, OK for flight at this time). I certify this aircraft has been inspected I. A. W. <u>02.90 inters</u> a <u>annual</u> inspection and found to be airworthy. I A. 1898473
12/20	Resealed right bott. fuel tank access plate. Tom Winter A-P1898473

FLIGHT LOG

[illegible]

REMARKS

DATE 4-16-71 Tach Reads 922.41
Lubed gear, packed oil wheel
bearings. Replaced Right main tire.
Replaced Brake Linings Left wheel.
Replaced Rotating Beacon bulb. Gear
Retraction O.K.
Verify that this airplane has been inspected in accordance
with a 100hr inspection and was determined to be airworthy.
DATE 4-16-71 TACH 922.41
TOTAL TIME 922.41 K C PIPER SALES, INC.
NAME Arthur D. Klaber for Box 366A 913 State 2-3122
Olathe, Kansas
00 P 1991044 Certified Repair Station 361

FLIGHT LOG

[illegible]

IA 1760700

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
4/5/69	TACH Time 73.96
	Complied with Service Bulletin #M20-150 on Magnetic Compass Interference.
	Frank R. Maygar AF 1668519

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
7-31-68	Back Time 532:62							100hr completed this day replaced nose tire, serviced Battery, fluid, fluid. checked gear extraction & checked V-155 4m 295 Pm 315 checked aircraft, checked gear, skin, electrical, push pull rods & other accessories.		
			TOTAL TIME		532:67					
TOTALS FORWARD			NAME		C. H. P. H. A. R.					
TOTALS TO DATE			NAME		Aircraft Sales & Service					
			No.		Box 366A 913 State 2-3122					
					R.R. 2 Olathe, Kansas					

REMARKS

DATE	REMARKS
16 Oct 68	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
	I certify that this <u>ACFT</u> has been inspected in accordance with a <u>100</u> inspection and was determined to be airworthy.
	TOTAL TIME <u>624.63</u>
	NAME <u>Daniel H. Carlisle</u> K C PIPER SALES, INC.
	No. <u>A-0 1661220</u> Box 366A 913 State 2-3122
16 Oct 68.	Pre look CK OK mains 300 & Nose 175: Replaced Brake Shoes. Bled Brakes. Re Bushed Nose Gear. Lubed All Fittings. Checked All Controls OK P/P Rods OK Wiring OK Tail OK Gear Retracted & CK OK. Serviced Batt & Hyd system.
	<u>Daniel H. Carlisle</u>
	<u>A-0 1661220</u>

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
6-14-68	100 Hr Inspection Completed This Date Inspected All Control + Skid Surfaces Greased Landing Gear Replaced Both Main Tires (K Electro) L System + Clean Battery Terminals Replaced Landing Light + RT Nav Light Bulb Replaced Selector Valve Fitting Serviced Hyd Fluid Reservoir + Bleed Brakes Repacked Wheel Bearings Complied with Mooney Service Bulletin # 14-20-166 + 14-20-160A									
TOTALS FORWARD										
TOTALS TO DATE										

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that this Aircraft has been inspected in accordance with a 100 Hr inspection and was determined to be airworthy.

TOTAL TIME 422.8

NAME William W. Ellett

No. AMP 1801387

ERHART
Aviation Inc.

Aircraft Sales & Service

Box 366A

913 State 2-3122

R.R. 2

Olathe, Kansas

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
3-25-68	100 Hr Insp completed							This Date. Repaired Left Fuel Gauge installed new Eng Switch Relined Both Brakes Replace P.C. Servo Seal in AFT Rudder Replace Retract Boot on Step Inspected ALL Push Pull Rods Bellcranks + Control Movements Inspected Elec. Systems + Battery Run Gear Retraction + check oil Preload Nose 165" lbs RT Main 305" lbs LT Main 290" lbs ALL Ad. Complied with Through 68-5-3 Aircraft Sales & Service Box 366A RR 2 913 State 2-3122 Olathe, Kansas	William W. Ebeling A-P 1801387	
<div> <div>ERHART</div> <div>Aviation Inc.</div> </div>										
<div> <div>Aircraft Sales & Service</div> <div>Box 366A</div> <div>RR 2</div> <div>913 State 2-3122</div> <div>Olathe, Kansas</div> </div>										
<div> <div>TOTALS FORWARD</div> <div>TOTALS TO DATE</div> </div>										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
3-25-68	<p> I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a <u>Direct</u> inspection and was determined to be <u>airworthy</u>. <u>ANNOUN</u> TIME <u>315.21</u> <u>William W. Ebeling</u> Aircraft Sales & Service Box 366A 913 State 2-3122 RR 2 Olathe, Kansas No. <u>FA 1260700</u> </p>
5-27-68	<p> Install new Gyro-Horizon B/N 04120067 run up + Operation OK OK Clifton W. Ebeling A-P 1801387 </p>

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
01-30-68								INSTALLED DIRECTIONAL GYRO P/N 23-402-02 INSPECTED & REPAIRED BY WESTON INST. INC. UNDER W.O. OK-67-437 1-8-68 TACH TIME 252.36	<i>[Signature]</i> IA 1260200	
TOTALS FORWARD										
TOTALS TO DATE										

ERHART Aviation Inc.
Aircraft Sales & Service
Box 366A 913 State 2-3122
R.R. 2 Olathe, Kansas

REMARKS

[illegible]

FLIGHT LOG

FLIGHT LOG									LICENSE NUMBER
DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE
			Up	Down	Hours	Min.			
12-19-67	installed 1st New Flap Pump Bleed System installed #1010 P.C. Boot in Tail section for RT Alcon + Floor Blec Sealed Cabin Door Sept This Date This A/C is in a Airworthy Condition								
	TOTAL Tack Time 243.30 William V. Kelling								
	A - 1801387								
TOTALS FORWARD									
TOTALS TO DATE									

REMARKS

DATE	REMARKS
	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
1-8-68	INSTALLED. NEWLY OVERHAULED & CERTIFIED ALTIMETER SN 643K CHK. STATIC SYSTEM IN ACCORDANCE WITH FAR. PART 91.170 found OK TACH TIME 251.22
	<i>William Hansen</i> IA 1260700

FLIGHT LOG

FLIGHT LOG								REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER	
DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown				
			Up	Down	Hours	Min.					
8/21/67	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION AND WAS DETERMINED TO BE AIRWORTHY TOTAL TIME 109.31										
	Clarence Johnston										
	A+P 1670583										
	CHECKED PRELOAD ON LANDING GEAR & SET VACUUM SYS. CHECK ELECT. SYS, FLT CONTROLS & ALL PULLEYS, CABLES & BELL CRANKS, CHECKED FLY SYS. ALL WORK DONE 1/1/67										
	TOTALS FORWARD										
	TOTALS TO DATE										
	MANUEL 8/21/67										
	Clarence Johnston										
	A+P 1670583										

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
9-14-67	Installed New Generator; and Generator Drive Belt.
10-26-67	William Hansen A+P 1260200 Resealed Brake MASTER cylinders, Replaced MAP line, Repacked all wheel Brgs, Replaced Both Wing P.C. Bellows, Nose Preload 160# RT Main 295# Lift 295# Retention OK
	I certify that this AIRCRAFT has been inspected in accordance with a 100HR inspection and was determined to be airworthy.
	AD Note 67-26-4 Paragraph 10. C/w Airplane placarded VFR only until Alt Modified
	TOTAL TIME 207:11
	NAME William Hansen
	No. IA 1260200
	ERHART Aviation Inc. Aircraft Sales & Service Box 366A 913 State 2-3122 R.P. 2 Olathe, Kansas

REMARKS

DATE
67

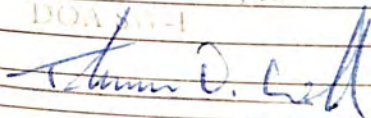
INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

421

I certify that the aircraft has been
tests required by FAR 91.409-1
performed. The aircraft is airworthy
20,000 feet.

MAINTENANCE LOG
DOA 815-1

by:



[illegible]

DATE
67

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

CERTIFICATE OF AIRWORTHINESS
FORM 1362 ISSUED THIS DATE
4-21-67

4-21
MOONEY AIRCRAFT, INC.
D-A-W-1

BY *James D. Clark*

AIRCRAFT DESCRIPTION

Manufacturer MOONEY Place _____ Date 4-19-67
 License No. N-3220F Type M20E Serial No. 670013
 Description _____

Reconstructed By _____ Place _____ Date _____
 Seating Capacity (Crew Included) _____ Weight Empty _____ Weight Loaded _____
 Wing Area _____ Sq. Ft. Control Area _____ Sq. Ft. Span _____ Length _____
 Tires Main _____ Tire Tail _____ Brakes _____

Owner _____ Address _____
 City _____ State _____

EQUIPMENT DESCRIPTION

Propeller _____ Hub Design _____ Hub Serial No. _____
 Blade Design _____ Blade Serial No. _____ Blade Serial No. _____
 Pitch _____ Width _____ Diameter _____
 Engine LYCOMING Model IO-360 Serial No. L-3569-51A
 Rated H. P. _____ Bore _____ Stroke _____
 Receiver _____ Model _____ Serial No. _____
 Transmitter _____ Model _____ Serial No. _____ Output _____
 Generator _____ Model _____ Serial No. _____ Amp. _____ Volt _____
 Starter _____ Model _____ Serial No. _____ Volts _____
 Power Unit _____ Model _____ Serial No. _____ Volts _____