

N4752B Book # 3



The Standard

AIRCRAFT LOG

ASA SA-1

Aircraft Record General Information

Manufacturer Mooney Aircraft Corp

Model M20R

Serial 29-0121

Registration Number N475RB

Date of Manufacture 1997

Engine(s) currently installed:

Manufacturer _____ Model _____ Serial _____

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

YEAR 20 <u>22</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aircraft Maintenance Specialist, Inc.



10/05/22 N475RB M20R S/N 29-0121 Tach 2524.4 ACTT 2524.4

"AIRCRAFT LOG ENTRY"

Moved #1 battery P/N: RG24-11M to #2 battery position and replaced old #2 battery with a new RG24-11M S/N: 41216031 and put that in the #1 battery position.

Robert Harris
A&P324746066

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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Aircraft Maintenance Specialist, Inc.



02/14/2023 N475RB M20R S/N 29-0121 Tach 2537.6

"AIRCRAFT LOG ENTRY"

- Removed and replaced Lower Anti-Collision Lamp with P/N 1924.
- Removed surface rust and lubricated Cabin Door Hold Assembly.
- Adjusted Propeller Governor Stop Screw for max takeoff RPM IAW the aircraft POH.
- ACTT 2537.6
- Ground ran aircraft with no faults found.

R. Wallace
A&P3082871

YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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AIRCRAFT LOG ENTRY

May 24, 2023 N475RB
 Aspen: EFD1000 (MAX), P/N 910-00001-011, S/N 28088 shipped to manufacturer for repairs. Unit was rebuilt to original PAH's specifications. Received and reinstalled rebuilt EFD1000 (MAX), S/N 28088 as per Aspen EFD1000 Instructions for Continued Airworthiness Doc # 900-00012-001 Rev. AE Unit configurations and operations checked. Ramp check good.

The aircraft and/or component identified above was inspected in accordance with current FAA Regulations and was found airworthy and approved for the return to service. Records of service or alterations are on file at this agency. Reference Work Order 54438.

Palm Beach Avionics, Inc. FAA CRS MI4R363M

Authorized Signature

Aircraft Maintenance Specialist, Inc.



05/01/23 N475RB M20R S/N 29-0121 Tach 2544.7 ACTT 2544.7

"AIRCRAFT LOG ENTRY"

Replaced ELT battery. Inspected ELT in accordance with FAR91.207(d), ELT battery due 10/2027. FAR91.411 & 91.413 next due 8/2023. Oxygen cylinder hydrostatic test due 03/2027. AD20-16-11 N/A by part number of cylinders installed. AD2302-04 elevator balance weight is N/A by aircraft model. AD84-26-02 replacement of paper induction air filter P/N 600417-503, next due ACTT 2993.3 or condition. C/W AD17-16-01 by performing AmeriKing ELT instructions for continued airworthiness, no defects noted, next due 5/2024. Replaced left main tire. Repaired engine baffle in front of oil cooler with doubler repair. Replaced left exhaust tailpipe with overhauled pipe P/N 630111-501, overhauled by Planexhaust Corp, reference their work order 43025. "I certify that this **AIRCRAFT** has been inspected in accordance with an **ANNUAL** inspection per 14 CFR part 43, appendix D and was determined to be in an airworthy condition on this date, 05/01/23, ACTT 2544.7, Tach 2544.7."

A&P46863641A

YEAR
20
DATE

Registration : N475RB
Pilot _____ Copilot _____ Standby ☒ X

ALTITUDE	SCALE ERROR	FRICTION ERROR	Case Leak OK	MAX 100'/MIN
1,000 (20')	15			HYSTERESIS +/- 75'
0 (+/-20')	15			UP DOWN
500 (20')	15			ALTIMETER READING
1,000 (20')	20	20	40%	40 30
1,500 (25')	20		50%	55 45
2,000 (30')	20	20		AFTER EFFECT 10 +/- 30'
3,000 (30')	20	25		
4,000 (55')	20			BARO. SCALE ERROR
5,000		20		(+/- 25')
6,000 (40')	25		28.10 (-1.727)	-1720
8,000 (60')	25		28.50 (-1.340)	-1360
10,000 (80')	30	30	29.00 (-.853)	-860
12,000 (90')	40		29.50 (-.392)	-390
14,000 (100')	50		29.92 (0)	0
15,000		30	30.50 (+.511)	525
16,000 (110')	55		30.90 (+.093)	885
18,000 (120')	60		30.95 (+.974)	970
20,000 (130')	20	40		ALTIMETER OR ADC SERIAL NO.
22,000 (140')	35			401452
25,000 (155')	80	40		
30,000 (180')	90	30		DATE TESTED: 5/2/2023
35,000 (205')				
40,000 (230')				
45,000 (255')				TECHNICIAN: Mike Ruth
50,000 (280')				
55,000				

Tested in compliance with FAR Part 43 Appendix E
Calibrated to 30,000 feet.

FLIGHT LINE AVIONICS INC.
CRS F18R921Y
North County Airport
11550 Aviation Blvd. Suite 3, West Palm Beach, FL 33411
(772) 528-4881
CRS F18R921Y
FLA FORM 2 (9/14)

Registration : N475RB
Pilot GS _____ Copilot _____ Standby _____

ALTITUDE	SCALE ERROR	FRICTION ERROR	Case Leak OK	MAX 100'/MIN
1,000 (20')	0			HYSTERESIS +/- 75'
0 (+/-20')	0			UP DOWN
500 (20')	0			ALTIMETER READING
1,000 (20')	0	0	40%	0 0
1,500 (25')	0	0	50%	0 0
2,000 (30')	0	0		AFTER EFFECT 0 +/- 30'
3,000 (30')	0	0		
4,000 (35')	0			BARO. SCALE ERROR
5,000		0		(+/- 25')
6,000 (40')	0		28.10 (-1.727)	n/a
8,000 (60')	0		28.50 (-1.340)	n/a
10,000 (80')	0	0	29.00 (-.853)	-855
12,000 (90')	0		29.50 (-.392)	-390
14,000 (100')	0		29.92 (0)	0
15,000		0	30.50 (+.511)	530
16,000 (110')	0		30.90 (+.093)	890
18,000 (120')	0		30.95 (+.974)	870
20,000 (130')	0	0		ALTIMETER OR ADC SERIAL NO.
22,000 (140')	0			4JQ024704
25,000 (155')	-5	0		
30,000 (180')	-5			DATE TESTED: 5/2/2023
35,000 (205')				
40,000 (230')				
45,000 (255')				TECHNICIAN: Mike Ruth
50,000 (280')				
55,000				

Tested in compliance with FAR Part 43 Appendix E
Calibrated to 30,000 feet.

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FLA FORM 2 (9/14)

Iterations
e Number of Technician or

YEAR
20
DATE

FLIGHT LINE AVIONICS, INC.
SUPPLEMENTAL LOGBOOK ENTRY
CRS F18R921Y

AIRCRAFT REG: N475RB
MODEL: N475RB
TOTAL TIME: 500

Aspen E/D 100 was left in by Aspen Avionics CRS F18R921Y Reference
WDA 15373.1 Removed and re-installed by Paul Bass. Avionics
Performed all internal static system test and automatic pressure altitude
system and the following listed are found to comply with the
FAR 91.411 IAW Appendix E of Part 43

COMPONENT	PILOT	DATE
Aspen	SPD 1000 Max	5/18/2023

COMPONENT	PILOT	DATE
Garmin	43	5/2/2023

COMPONENT	PILOT	DATE
ALTIMETER	401452	5/2/2023

Performed transponder test and the following listed are found to comply
with requirements of FAR 91.411 IAW Appendix E of Part 43

TRANSPONDER	PILOT	DATE
401	401452	5/2/2023
402	401452	5/2/2023

Signature: *[Signature]* Due No: 5/2/2023

11550 Aviation Blvd. Suite 3, West Palm Beach, FL 33411
(772) 528-4881
CRS F18R921Y

of Inspections, Tests, Repairs and Alterations
It be endorsed with Name, Rating and Certificate Number of Technician or
ity. (See back pages for other specific entries.)

10/10/23 TACH 2584.9 Removed
EI RPM Gauge due to 1 Diode not working
Sent to EI whom replaced Display and
Internal Parts (see repair tag) Installed
Repaired unit & checked for Proper operation.
This aircraft is determined to be in an
Air worthy Condition on this date

Dennis Bulley # 3491776
3302761AP



Date: 11/10/2023; Aircraft: N475RB; Type: MOONEY M20R; S/N: 29-0121; Tach: 591.10; Total Time:

UPDATED THE GARMIN G5 SOFTWARE FROM 5.7 TO 8.25 IN ACCORDANCE WITH GARMIN UPDATE PROCEDURE. NO DISCREPANCIES NOTED AT THIS TIME.
REMOVED #1 BATTERY P/N RG24-11 S/N 41216031 AND INSTALLED CUSTOMER SUPPLIED BATTERY P/N RG24-15 S/N 41343455. OPERATIONAL CHECK
SATISFACTORY AT THIS TIME.

THE AIRCRAFT AIRFRAME IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND MANUFACTURES MAINTENANCE INSTRUCTIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT EXECUTIVE HELIJET, LLC.

Signature: [Signature]

Cert#: AP 3727598

YEAR 20 <u>24</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.)
1/24/24	2607.1			Removed old door seal and Replaced with new Door Seal ADS 1200-201. Door Seal WAS installed Per ADS-M1201 Mooney Door Seal Installation Instructions for Continued Airworthiness. Dennis Buckley #3491776
2/2/24	2607.1			Removed and Reinstalled Speed Brakes. Speed Brakes sent to Precise Flight for overhaul per Repair Station work order. Checked for Proper operation. The Aircraft is Approved for return to Service and in an Airworthy Condition Dennis Buckley #3491776 33027614P

YEAR 20 <u>24</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.)
2/15	2610.3			Removed old Concorde Battery #2 Serial #40986454 and Replaced with new Concorde Battery Serial #41366272 in #2 position. Checked for Proper operation. This Aircraft is in Airworthy Condition. <i>Dennis Buckley #3491776</i>
2/15	2610.3			Removed Auto pilot (flight computer) and Sent to Autopilots Central. Repair work performed and Sent back with Airworthiness Approval Tag. Installed flight computer. Ground and Air check Passed. This Aircraft is in Airworthy Condition. <i>Dennis Buckley #3491776</i> <i>5302761AP</i>

MAKE: MOONEY
MODEL: M20R
S/N: 29-0121
REG. NO: N475RB



129 AIRPORT ROAD
GEORGETOWN SC, 29440
PH: 843-667-9627
WO#: GT24-01107

DATE: 6/20/24
TACH: 2622.1
AFTT: 2622.1 ician or

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The following work was accomplished:

- Complied With 100 Hour Inspection Referencing Mooney 50/100/Annual Inspection Guide (Form 0100B).
- Cleaned, Inspected, Repacked Wheel bearings with Mobil SHC-100 Grease.
- Lubricated Aircraft and Components as Required Referencing M20R Service Manual (MAN161) Figure 5-1 and CH5-20-09.
- ELT Ops and G-Switch Tests Good IAW FAR 91.207(d). Replaced ELT Batteries with New Duracell MN1300. ELT Battery Replacement: JUL 2026
- Removed and Replaced Inboard Nose Wheel Bearing Cup and Cone with New Timken P/N's: LM08231(1) and LM08125(1). Referenced Kaman Cleveland AWBCMM0001-29 Section 300.
- Removed And reinstalled Aircraft Fuel Pump P/N: A8152-B S/N: 76291, After Overhaul: See 8130-3 (Aviation Component Engineering, CRS# ACER824D, WO# W240609, Dated 23 MAY 24). Referenced M20R Service Manual (MAN161) CH28-21-00. Ops and Leak Checks Good.
- Removed and Replaced Throttle Control Cable with New McFarlane P/N: MCVA660226-027. Referenced M20R Service and Maintenance Manual(MAN161) CH76-20-01 and Rigged Referencing CH71-00-52. Ops Check for Free and Complete Travel. Adjusted Engine Mixture Stop and Idle Mixture as Required Ref Continental M-0 Section 6-4. Run Up and Ops Checks Good.
- Removed Elevator Trim Actuator. Removed and Replaced Trim Actuator Threaded Shaft With New Mooney P/N: 740223-001. Reassembled, Cleaned and Greased Trim Actuator Bearings. Reassembled

YEAR
20
DATE

MAKE: MOONEY
MODEL: M20R
S/N: 29-0121
REG. NO: N475RB



129 AIRPORT ROAD
GEORGETOWN SC, 29440
PH: 843-667-9627
WO#: GT24-01107

DATE: 6/20/24
TACH: 2622.1
AFTT: 2622.1

or

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with New Shim Mooney P/N: 740233-003(1) and Gaskets Mooney P/N: 740232-001(2). Reinstalled Elevator Trim Actuator with all New Hardware P/N's: AN3-21(2), AN3-13(1) AN4-31A(2), AN5H-15(1), AN5H-31(1). Leveled Aircraft Referenced CH8-00-00, and Rigged Empenage Trim Actuator Referenced CH27-40-01, Utilized M20K-L-R-S-TN Elevator Travel Board. Verified and Adjusted Empenage Trim Indication Referenced CH27-40-01. Electric and Manual Trim Operationally Checked Satisfactory through Full Range. Trim Position Indication Operationally Checked Satisfactory through Full Range. All Work Performed Referencing Mooney M20R Service & Maintenance Manual P/N: MAN161. Aircraft Run Up, Ops, and Leak Checks Satisfactory.

- **AD2017-16-01**, Amendment 39-18978, Effective Date 24 OCT 2017, Complied With Part (g), By Inspection IAW AmeriKing Corporation Document IM-450, No Discrepancies Noted. Next Due 30 JUN 2025.

I Certify This Aircraft Has Been Inspected In Accordance With an Annual Inspection In Accordance With the Requirements of CFR Part 43 Appendix D and has Been Found to be in an Airworthy Condition.

APPROVED BY

(NAME) A & P# Justin Eshleman 3302761AP