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The Standard
AIRCRAFT LOG

N3716H

ASA-SA-2

YEAR 2020 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)
12-23	2339		2039	INSPECTED IAW MOONEY ANNUAL INSPECTION GUIDE REPLACED VACUUM & REGULATOR FLYER INSPECTED EAT IAW 91.207 REPLACED FUEL STRAINER O RINGS. REPLACED RT. TANK FUEL INLET GASKET C/W 510 M20-2088(A). SERVICED BATTERY; SERVICED HYDRAULIC RESERVOIR FLIGHT CONTROLS LUGS & CAPERS. LUGS HANDING GEAR, RE-RIGGED LEFT & RIGHT MAIN GEAR PRELOAD. REPLACED RIGHT RECOGNITION LIGHT. REPLACED LEFT & RIGHT WING TIP COVERS SCS AD LOC FOR COMPLIANCE. I HAVE INSPECTED THIS AIRCRAFT IAW AN ANNUAL INSPECTION AND A LIST OF UNAIRWORTHY ITEMS WAS FURNISHED TO THE OWNER NATHAN A. KIMBLE /NATHAN A. KIMBLE IA 3077083

YEAR
20
DATE

Aerocycle, Inc.

930 New Hope Road
Unit 11-114
Lawrenceville, GA 30045

December 22, 2020

List of unairworthy items for Mooney 3716H, s/n 24-0911.

Leak in left main fuel tank, forward upper seam.

Nathan A. Kimble
A&P/IA 3077083

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DAI

Mike's PMS Inc
7201 South Airport Road Hangar 204
PEMBROKE PINES Florida 33023
305-542-0375

Make: Mooney
Model: M20J
Tail: N3716H
S/N: 24-0911

Hours: Tach 2403.76 ATT 2403.76

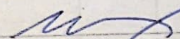
Airframe Log Entry

Completed Annual Inspection in accordance with 14 CFR 91.409 (a,1)(b) and to the scope and detail of 14 CFR 43 Appendix (D) and M20J MM checklist.

Compression results #1 76/80 #2 70/80 #3 75/80 #4 76/80
Removed cleaned, test and installed spark plugs. Changed engine oil and filter
Ran engine and found to be operating properly, no leaks found.

Completed airframe inspection and lubrication IAW MM checklist
Complied with FAR 91.207 ((D) ELT functional test and visual inspection, replaced with new battery PN:BP1020 battery due date Feb 2024

Completed AD search and complied with recurring AD's
I certify this aircraft has been inspected IAW 14 CFR 91.409 (a,1) (b) and to the scope and detail of 14 CFR 43 appendix (D) and found it to be airworthy for this Annual inspection and approved for return to normal ser

Signed: 
Name: Ernest Michael Jimenez

Cert: 3876000 A&P,IA
Date: 02/01/2022

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YEAR
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DATE

Reg: N3716H AFTT: 2421.00 hrs Date: 07/09/2023
Model: M20J S/N: 24-0911 Tach: 2421.00 hrs

1. Performed annual inspection i/a/w Mooney SM and FAR Part 43, Appendix D.
2. Removed airframe access panels, inspection plates and required fairings for inspection. Closed after completion.
3. Removed landing gear wheel bearings for cleaning and inspection. Repacked with Mobil Grease 28.
4. Lubricated airframe according to lubrication chart. Unclogged landing gear grease fittings and serviced gear with Mobil Grease 28.
5. Verified flight control travel. All within limits. Removed elevator trim screw mechanism. Cleaned, inspected and serviced with grease.
6. Replaced both MLG shock disks p/n J-11968-14.
7. Rigged nose gear doors. Raised aircraft on jacks and performed 5 landing gear operations and 3 emergency extensions. Adjusted gear safety switch to 65ias.
8. Serviced brake reservoir with MIL-H-5606.
9. Replaced #1-cylinder raiser p/n 630053-511 and cylinder #4-cylinder lower riser p/n 630053-015. Replaced all exhaust gaskets, 5 studs and all nuts.
10. Replaced all intake gaskets.
11. Replaced all interior light bulbs with LED.
12. Replaced all static wicks with new.
13. Removed seat belts for reweb and reinstalled after job performed by R.V. Marine, Inc, CSR 1RVR314B under work order W1142.
14. Replaced both VHF comm antennas with new Rami AV-10. Replaced both transponder and DME antennas with new Rami AV-74.
15. Replaced windshield, pilot, front and rear passenger windows with new.
16. Replaced ELT with new Artex model 345 (see form 337). Performed ELT inspection per FAR 91.207 para. (c) and (d). ELT batt exp ~~09/27~~ 10/2028 C.O.
17. Replaced fuel senders with new CIES Corp digital senders model CC284022-0707-102 (outboards) and CC284022-0706-102 (inboards) (see form 337).
18. Removed uAvionix TailBeacon and installed serviceable nav tail light assembly with LED light bulb (see form 337).
19. Replaced cargo and cabin door locks with new Medeco locks. Key code 8MA009021DU.
20. Replaced cargo and cabin door seals.
21. Installed new fire extinguisher model RT400 and fixed base under pilot's seat.

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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22. Installed cabin step on right side, behind flap with owner supplied installation kit. Verified parts catalog for accuracy. Refer to figure 53-60-00 on Mooney M20J IPC for drawing.
23. Removed complete aircraft interior and reupholstered with Vista Keystone 515177 leather and Vista Licorice 514681 alcantara. Materials comply with FAR 25.853A requirements. All interior plastics replaced with new.
24. Flight controls and fairings removed. Aircraft completely stripped with water-based paint remover. Aluminum etched and prepped with Bonderite C-IC 33 and M-CR-1201. Painted aircraft with a base coat of AcryGlo SW Volt Yellow CEFF00, SW Ice Silver 10640 and JetGlo Black Velvet 10684. Applied and overall coat of AcryGlo Clear Coat.
25. Flight controls balanced and reinstalled with new hardware.
26. Repaired landing gear warning system throttle switch circuit and mounting base. Rigged to specs. Replaced bad diode on landing gear horn circuit.
27. Installed Landing Height System model LHS-100 (see form 337).
28. Replaced interior carpet with new pre-cut kit from SCS-Interiors under PO W14326. All materials certified under FAR 25.853.
29. As part of complete avionics retrofit, the following radios and instruments were removed and replaced (see forms 337):

Avionics removed:
KMA24
M3 GPS
MX170C
Monroy ATD-100
Flt. Cmptr.

p/n 066-1055-03 s/n 1131
p/n 1200-03-01 s/n AL12672
s/n 7924
s/n 153
p/n 1D772-0001 s/n 060D

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DME KDI 572 p/n 066-1069-00 s/n 1717
EI FP-5 s/n 21623
PS Engineering PM2000 p/n 11915 s/n P02804-G.
Terra TRI-20 p/n 0900-3020-00 s/n 000554
KT76A p/n 066-1062-00 s/n 16482
Skynav 5000 GPS s/n 000266
KR86 ADF p/n 066-1038-00 s/n 24546
Argus 3000 s/n 031490
DM ELT 6 s/n 37299
Northstar Model C21 Transceiver s/n 3344
S-Tec computer p/n 0117 s/n 987A
Century Omni/Loc Converter p/n 1C707-1 s/n 1984B
Advance Technology Relay RSU-21 s/n unk
King KN-75 GS p/n 066-1063-00 s/n 11058
King DME KN-63 p/n 066-1070-00 s/n 1868
S-Tec Pitch computer model 0110-1 s/n 4144
S-Tec pitch servo p/n 0107-1-P4 s/n 7785A
Edo-Aire trim servo p/n 1C373-6-523 s/n 6949

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				Instruments removed: Suction gauge MP gauge P-1000 digital tach Stby gyro Aerosonic Engine cluster Attitude gyro VSI Ammeter -60 to +60 range Airspeed Indicator TC Airspeed switch Davtron M811B NSD 520136-1333 KI204 Stormscope WX900 Vacuum regulator 2H3-12 Instrument air filter RA-D9-18-1
			p/n 3-200-12 p/n 6111 p/n P100-030-030-00 p/n RCA26AK-4 p/n 101627-11705 p/n 64028-511 p/n 52D266M p/n 7000 p/n 820308-507 p/n 1394T10D-7Z p/n 880013-505 p/n 066-3034-02	s/n A7058 s/n 127779 s/n 9653103 s/n 97K1080 s/n C117942 s/n 6247-00054 s/n T6797A s/n 273324 s/n 23608 s/n 9503-327 s/n 864 s/n 14923 s/n 643 s/n 10343 s/n FNP04403010 s/n 6E

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	Equipment installed:			
	GDU 460	p/n 011-02920-05	s/n 350011383	
	GTP 59 sub assy	p/n 011-00978-00	s/n 47968786	
	4 cyl kit	p/n K00-01299-00		
	G3 Install kit	p/n K11-00038-00		
	GMA345	p/n 010-01319-01	s/n 320012376	
	GTR20	p/n 011-03007-30	s/n 5JE004476	
	GDU46X install kit	p/n 010-12150-05		
	GSU25D top assy	p/n 011-02929-51	s/n 5Q3003059	
	GFC500 2-servo install kit	p/n K11-00024-25		
	GFC500 pitch trim install kit	p/n K11-00024-26		
	G3X display	p/n 010-02319-00	s/n 350011383	
	ADAHRS	p/n 010-01071-51	s/n 5Q3003059	
	GMU11	p/n 010-01788-01	s/n 56J105266	
	OAT probe	p/n 011-00978-00	s/n 47968786	
	Avionics data bus module	p/n 010-01172-11	s/n 5DL017427	
	GFC507	p/n 010-01946-01	s/n 5H1009650	
	GSA28 servo	p/n 010-01068-11	s/n 5G9020945 (pitch trim), 5G9020947 (roll) and 5G9020927 (pitch)	
	Pitch trim install kit	p/n K11-00024-26		
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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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GEA 24 p/n 010-01042-01 s/n 212022039
 OP sensor p/n 011-02886-01
 Fuel Flow Transducer p/n 494-10001-00
 EGT type K sensor p/n 494-70008-00
 CHT type K sensor adapter p/n 494-70008-01
 CHT type K sensor p/n 494-70009-00
 FP sensor p/n 011-04202-20 s/n 4TJ003527
 Electronic Adapter p/n 010-01525-01 s/n 4A8002662
 GDL52R p/n 010-01561-35 s/n 4RF300822
 GTR20 p/n 010-01076-31 s/n 5JE004476
 GS p/n 011-03809-00 s/n 4IQ054748
 Commant diplexer C1507 s/n 686108
 MP sensor p/n T1EU50A s/n A8419
 ELT antenna p/n A3-06-2892-1 s/n 392465-047
 ELT Artex 345 s/n 317-10597

30. Generated a new weight and balance with unusable fuel, current equipment and replenished working fluids.
 31. A list of AD compliance attached to aircraft files.

The aircraft and/or components identified above was repaired and inspected in accordance with current regulations of the FAA Title 14 CFR Parts 21, 43 and 91; and the maintenance described above is approved for return to service.

Carlos Oque
 Carlos Oque
 IA 943274

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1/23/24	2450.00	2450.00	Removed old battery and installed new battery (Concorde 35, 12 V 33.00) SN 70028700 per Manufacturer's instructions. TESTED and no discrepancy noted. <i>Rodolfo Castro</i> (owner/operator) 14 CFR P43 AP. A(c)(24)
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YEAR
20
DATE

Mike's PMS Inc
 7201 South Airport Road Hangar 204
 Pembroke Pines Florida 33023
 305-542-0375

Make: Mooney
 Model: M20J
 Tail: N3716H
 S/N: 24-0911

ins
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 (S.)

Hours: Tach 2460.9

Repaired fuel leaks on right wing inboard aft section, drained fuel tank and sealed leaking screws with PRC. Right tank drain leaking, removed drain valve found surface around drain valve damaged, deburred surface and installed round patch with PRC and installed new new drain valve PN:SA53S, refuel, checked for leaks and returned to normal service

Signed: *Ernest Michael Jimenez*
 Name: Ernest Michael Jimenez

Cert: 3876000 A&P, IA
 Date: 02/17/2024

I certify the altimeter and static tests required by FAR 91.411 have been performed with reference to FAR 43, App. E, (Para...noted) A/C REG. N3716H
 1. static system per Para. (a) L (wright in left or right, or L&R)
 2. Left altimeter per para. (b) to 10,000 ft. pos. or sn 2651
 3. Right altimeter per para. (b) to 10,000 ft pos. or sn 1
 4. Integrated system per para (c) No. 1, 2 (List No's)
 Tested by *Rodolfo Castro* Date 5/29/24 W/O 50824
 Av Tech Services llc FAA CRS 64AR088C

4/10/24 TACH/TTSN: 2462.00
Changed tires as per manufacturers instructions (14 CFR P43 AP. A(c)(24))
Rodolfo Castro
 (owner/operator)

sponder and Altitude Reporting System.
 inspections as marked were performed with it approved procedures and equipment and/ or with requirements.

Aircraft Registration N3716H
 1. ☒ PT 43 APP.F TXP#1 ON 5/08/24
 2. ☒ PT 43 APP.F TXP#2 ON 1
 3. ☒ PT 43.E,c #1 Integrated System Test On 5/08/24
 4. ☒ PT 43.E,c #2 Integrated System Test On 1
 Signed *Rodolfo Castro* Date 5/29/24 W/O 50824
 Av Tech Services llc FAA CRS 64AR088C

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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Mike's PMS Inc
7201 South Airport Road Hangar 204
Pembroke Pines Florida 33023
305-542-0375

Make: Mooney
Model: M20J
Tail: N3716H
S/N: 24-0911

Hours: Tach 2468.4

Airframe Log Entry

Completed Annual Inspection in accordance with 14 CFR 91.409 (a,1)(b) and to the scope and detail of 14 CFR 43 Appendix (D) and M20J MM checklist.

Compression results #1 74/80 #2 70/80 #3 75/80 #4 75/80

Removed cleaned, test and installed spark plugs. Changed engine oil and filter with new AA48103-2 oil filter and 8qts of Phillips Victory 100AW. Found fuel pressure low 12.5PSI, removed and replaced fuel pump with OH pump PN:AF15473OH.

Ran engine and found to be operating properly, no leaks found. Not Charging troubleshoot charging system, found crossed wires on voltage regulator circuit and loose crimps on circuit brakers connections, causing CB to trip. Alternator and voltage regulator shorted. Removed and replaced alternator with overhauled alternator PN:ALX8521 S/N H-S021037 and serviceable regulator supplied by owner PN:R15300, replaced loose connectors and corrected wiring on regulator field, ran engine and found to be operating properly

Completed airframe inspection and lubrication IAW MM checklist

Complied with FAR 91.207 ((D) ELT functional test and visual inspection, replaced with new battery PN: 452-3063 battery due date Oct 2028

Completed AD search and complied with recurring AD's

I certify this aircraft has been inspected IAW 14 CFR 91.409 (a,1) (b) and to the scope and detail of 14 CFR 43 appendix (D) and found it to be airworthy for this Annual inspection and approved for return to normal service.

Signed:

Name: Ernest Michael Jimenez

Cert: 3876000 A&P,IA
Date: 10/01/2024

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Mike's PMS Inc 7201 South Airport Road Hangar 204/301 Pembroke Pines, Florida 33023 Make: Mooney Model: M20J Tail: N3716H S/N: 24-0911 Hours: Total Time: 2486.1

Found ammeter reading high. Troubleshoot charging system. Fault found due to bad shunt. Removed and replaced with brand new Garmin shunt. Replaced faulty #2 EGT probe. repaired and color-matched interior plastic on copilot side floor. Secured loose pilot arm rest, and re-affixed hanging panel led strip with adhesive. Intermittent power on GNS750. panel edge found to be interfering with GPS mounting. performed rerack and secured gps in place all connectors mated properly and powered on. Aircraft returned to normal service.

Signed:

Name:

Michael Alexander Jimenez

Cert:

4734041

Date:

07/18/2025