

#3

The Standard



AIRCRAFT LOG

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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12-2	451.6			Removed Left Master Cylinder, cleaned and rebuilt with all new O-rings from Mooney. Reinstalled Master cylinder, Bled Brakes, used Mooney Kit # 090 Robert P. Emerson A#P166321418JA
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1/22/97				Replaced bottom cowl skin #650046-501, Left & right nose gear doors, left & right ex. fairings, & retract truss, 550005-503 & 504, 310213-001 & 310010-002, 540016-505 respectively. Painted all new parts, performed gear retract test & adj gear pre load & doors per Mooney Manual.
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David Brecheisen
513722236

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19 97				
2-1-	455.4			
	Replaced Right Main Tire and Tube			Tire and Tube with used Serviceable Robert P. Kenneson A&P 166321418 JA
4-7-97	471.4			Installed new 46-105 Brake linings on Right Main and new AN6230-B2 O'Ring on Brake Abs.
				Macro Aircraft Repair : Michael D. Ball A&P 514580957

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS

ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
19__				
6-3-97	TACH	484.29	ACFT. T.T, 1785.29	FAR 91.207(d) ELT
				ANNUAL INSPECTION C/W REPLACED ELT BATTERY. BATTERY
				DUE JUNE 99. MARCO. ELT 10 S/N 36369, AD 73-21-01
				FLIGHT CONTROLS AND LANDING GEAR C/W BY LUBRICATION
				AND LANDING GEAR RIGGING CK, AD 85-24-03 PARA(b) C/W
				BY INSPECTING FUEL CAP SEALS, TIGHTENED SCREWS ON
				AUX BUS CIRCUIT BREAKER, REPLACED LIGHT BULBS ON
				TURN COORDINATOR AND ADF INDICATOR POST LIGHTS. REPLACED
				VACUUM REGULATOR FILTER, REPLACED RT. BRAKE DISK
				WITH NEW DISK, ADJUSTED LANDING GEAR WARNING SWITCH
				PER MOONEY M20 SERIES SERVICE AND MAINT. MANUAL
				(CONTINUE NEXT PAGE) →

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6-3-87	TACH	484.29 ACFT.	T.J. 1785.29	(CONT. FROM PREVIOUS PAGE)
		REPLACED LEFT	BRAKE CALIPER ASSY,	REPLACED PISTON VALVE
		IN LT. BRAKE MASTER	CYLINDER, INSTALLED SERVICEABLE TORQUE	PLATE FOR LT. BRAKE ASSY, BLED LT. BRAKE SYSTEM, RESEALED
		SCREWS AS REQUIRED ON LOWER LT. & RT. INBD FUEL ACCESS	PANELS, REPLACED SEVERAL RIVETS IN BOTTOM COWLING,	CLEANED, INSPECTED, AND REPACKED WHEEL BEARINGS, CLEANED,
		INSPECTED, AND LUBRICATED LANDING GEAR, C/W LANDING	GEAR RETRACTION AND RIGGING CHECK, AD 76-07-12	
		BENDIX IGNITION SWITCH C/W	BY OPERATIONAL CHECK,	
		NO DEFECTS NOTED, (CONTINUE NEXT PAGE)		→

DATE
19__

RECORDING
TACH
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TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

6-3-97 TACH 484.29 ACFT T.T. 1785.29 (CONT. FROM PREVIOUS PAGE)

ELI. BATTERY DUE 6-99

91.411 & 91.413 DUE 8-97

I certify this AIRCRAFT
 has been inspected in accordance

with an ANNUAL
 and was approved for return to service

W.O. # 4276

T.T. 1785.29 Date 6-3-97 Signed [Signature]

JEFFERSON CITY FLYING SERVICE, INC.
 P.O. BOX 336, MEMORIAL AIRPORT
 JEFFERSON CITY, MO 65102
 REPAIR STATION NO. #DFKR 168D

10-

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1998	0534.1			<p>I certify that the altimeter, encoder and static system test required by FAR 91.217(B) have been performed and tested per FAR 43 Appendix E. Altimeter P/N <u>5934P</u> S/N <u>A1387</u> Encoder P/N <u>55000</u> S/N <u>13674</u> Tested To <u>20,000</u> Ft. Signed <u>[Signature]</u> Date <u>06/17/98</u> Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRSE #R1410</p>
				<p>I certify that the transponder check required by FAR Part 91.413 has been performed and tested per FAR 43 Appendix F. Transponder P/N <u>KT 76</u> S/N <u>17382</u> Signed <u>[Signature]</u> Date <u>06/17/98</u> Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRSE #R1410</p>

DATE 1998	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-26				Annual Inspection Entry '98
1.	C/w AD 73-21-01			flt control ldy #1/w paragraphs A&C due again next annual or tach 634.0
2.	C/w AD 97-26-08			fuel gauge reading #1/w M20-259 no further action necessary.
3.	C/w AD 43-02-05			fuel injector lines by inspection and #2 line replaced, due again tach 634.0
4.				Replaced nose tire and tube with Airhawk
5.				Fabricated both main gear brake hoses using new fittings and bled system.
6.				Adjusted nose gear preload as necessary.
7.				Replaced vent window gasket.
				Entry continued on next page.

corrosion in section of steel fabric

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
19				REPLACED FUEL VALVE
* 8.				Clw mooney 8B 208B paragraphs B.1-9, 13-17, 20-27
9.				Replaced Landing light circuit breaker p/n 7270-5-5
10.				Replaced aft trim link boot p/n 740156-003
11.				Replaced nose gear retraction link p/n 530068-013 and bushings p/n 914020-017 x 020.
12.				Installed O4N 6 cell fuel bladder kit s/n 291 I/A/w STC # SA2277CE & SA00783N4 see 337 this date.
13.				Installed Aero Safe Corp. model Guardian I electric standby vacuum system I/A/w STC # SA5631SW see 337 this date.
14.				Installed Laser Cowl Closure Fastening I/A/w STC # SA4535NM see 337 this date.

Entry Continued on next page

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19				15. Installed laser Flap Gap Seals Kit no. 100, Aileron Gap Seals Kit no. 101 and rotated brake wheel cylinders JJA/w STC# SA 4443NM see 337 this date.
				16. All kits painted using Dupont Enamel 82C-43227 Sea foam and 82C-39283 Many Hold Light.
				17. Replaced cabin door lock part no. 3319
				18. Replaced DG with overhauled unit from Capital Inst Corp. m/n 40006 s/n 16878c ref. w/p 0603-2 6/18/98.
				19. c/w mooney s/b MBO-264-001 by replacement of aileron center control links.
				20. Replaced both R/H cowd flap hinges p/w 650025
				21. Replaced mixture rod end with p/w 660051-005

Entry Continued Next Page.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
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19__

CRS#: ECFR459D	08/05/98	WO# 5684
GENERAL AVIATION, INC.	N3537N	MOONEY
CAPITAL CITY AIRPORT	M20F EXEC 21	S/N: 680089
LANSING, MI 48906	A/C TT:	HOBBS: 578.9

Installed radio push to talk system on pilot's yoke. Replaced pilot's mic and phone jacks. Relocated fuel pump switch, and hand mic jack. Repaired cigarette lighter receptacle power system. This aircraft was repaired and inspected in accordance with the current regulations of the FAA and is approved for return to service. Details of the repair are on file.

Date: 8-5-98 Signed: Charles Cooper

J A AIR CENTER DuPage Airport/WestChicago, IL 60185
Repair Station #NF2R029L
Type MOONEY M20F

ENTRIES MUST BE MADE BY THE MECHANIC OR FACILITY
AIRFRAME LOG
TT

NO ALTERATION
CERTIFICATE NUMBER
OTHER SPECIFIC EN

N # 3537N

S/N M-20F680089

REC. HR. METER 631

CHECK LH MAIN TIRE-

JACKED AIRCRAFT, REMOVED LH BRAKE CALIPER AND LH MAIN WHEEL ASSEMBLY, DUNKED IN WATER, FOUND NOTHING. DISASSEMBLED WHEEL ASSEMBLY, DUNKED INNER TUBE AND FOUND LEAKS IN CREASES OF THE RUBBER. REPLACED TUBE WITH P/N 600-6, AND REINSTALLED ON AIRCRAFT.

THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & 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 W.O. # 5593 DATE: 10-22-98

SIGNED:

Steve K... ..

For

J.A. AIR CENTER, DUPAGE AIRPORT, W. CHICAGO, IL 60185

F.A.A. APPROVED REPAIR STATION #NF2R029L

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CRS#: ECFR459D
GENERAL AVIATION, INC.
Capital City Airport
Lansing, MI 48906

04/09/99
N3537N
M20F EXEC 21
A/C TT:

WO# 8519
MOONEY
S/N: 680089
TACH: 692.15

Removed MK12A Nav/Comm system, ADF31A ADF system, 701B ADF indicating system, TMA330D Audio system, Apollo 612B loran system, SPA400 intercom system, and a UDA 3 pulse antenna. Installed a KX155 Nav/Comm/Glideslope system, KI209 Nav indicating system, GMA340 Audio control/Marker beacon system, CI-120 Nav antenna, and a CI-109 Comm antenna. Relocated transponder system. Installed a Avionics Master system, and avionics circuit breakers. Replaced Nav splitter with a CI1125 splitter. All work performed IAW manufactures install manuals & FAR's AC43.13-1A & 2A. This aircraft was repaired and inspected in accordance with the current regulations of the FAA and is approved for return to service. Details of the repair are on file.

Date: 4-9-99 Signed: Charles Cooper

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENT)
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CRS#: ECFR459D
 GENERAL AVIATION, INC.
 Capital City Airport
 Lansing, MI 48906

04/09/99
 N3537N
 M20F EXEC 21
 A/C TT:

WO# 8543
 MOONEY
 S/N: 680089
 TACH: 692.15

MOONEY M20F/680089 AIRCRAFT WEIGHED AT WHEELS WITH FULL FUEL.

LOCATION	WEIGHT	ARM	MOMENT
LEFT MAIN	722		
RIGHT MAIN	744		
NOSE/TAIL	604		
TOTAL AS WEIGHED	2070	45.2	93564.0
FUEL MAIN USEABLE	313	48.4	15149.2
TOTAL	1757	44.6	78414.8

EMPTY WEIGHT
 MOMENT

1757
 78414.8

EMPTY WEIGHT C OF G
 USEFUL LOAD

44.6
 983

Date: 04-09-99 Signed: Charles Cooper

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4-14-99	Tach 686.36	TT 1997.36		Removed Engine for O/H. IO 360 AIA s/n RL-1442-51A From A/c N3537N Subaru Pulley A/P 219788994
6-11-99	Tach 1997.36	Installed	1997.36	Engine IO-360-AIA s/n RL-1442-51A ^{see engine log.} _{handwritten by FRER14R}
	1997.36	New Tach Installed	1997.36	Replaced elt. Battery BP1010 Exp June 01
	reads TT 1997.36			checked I/P/W FAR 91-207D, replaced
				brake lining, repacked wheel bearings
				P&R D-6 see yellow tag. P&R T/C
	c/w AD 73-21-01			see yellow tag. c/w M20-39 Door
	flt controls due			handle service Inst., treated A/c w/
	again 7943 or 6/00			ACF 50, replaced step Vac Boot, replaced
				over.

				DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
DI	DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
19	1979	1997.36		
				<p>Hi/low Vac light switch #880012-501</p> <p>performed gear retraction, Extension + pre-load checks, checked fuel screen, serviced battery, replaced vac pump filter B35-1</p> <p>Installed Digital Tach Horizon P-1000</p> <p>IPAW STC #5A5844NM see 337 800m A/c</p> <p>taxi check. O.K. —</p> <p>I certify that this <u>AIRCRAFT</u> has been inspected IAW <u>ANNUAL</u> and determined to be in <u>AIRWORTHY</u> condition. Details on file under W.O. # <u>3615</u> Total Time <u>1997.36</u></p> <p>Signed <u>Walter Anderson</u> Date <u>6-18-99</u></p> <p>Freeway Airport, Inc. 3900 Church Rd Mitchellville, MD 20721 CRS # FK8R141Q</p>

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19__				<p>I certify that the altimeter, encoder and static system test required by FAR 91.217(B) have been performed and tested per FAR 43 Appendix B.</p> <p>Altimeter P/N _____ S/N _____ Encoder P/N _____ S/N _____ Tested To <u>18,000</u> Ft. Signed <u>Allen Mc Post</u> Date <u>04/22/00</u> Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRS# FK8R141Q</p>
				<p>I certify that the transponder check required by FAR Part 91.413 has been performed and tested per FAR 43 Appendix V.</p> <p>Transponder P/N _____ S/N _____ Signed <u>Allen Mc Post</u> Date <u>04/22/00</u> Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRS# FK8R141Q</p>

Mitchellville, MD 20721 CRS # FK8R141Q
 Date _____
 Signature _____
 Conditional Date _____
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19 <u>00</u>				Annual Inspection Entry '00
4-14-00				
1)	c/w	FAR 91.207 (d)		ELT check satisfactory.
2)	c/w	Mooney AD 77-17-04		"Control Yoke", no discrepancy, next due 2649
3)	c/w	Mooney AD 73-21-01		"Landing Gear Lube", every 12 mo. next due 4/01
4)				Replaced Left main tire Air Hawk, 600x6 6ply.
5)				Replace electric fuel Boost Pump #1/1499-00-19 s/n 3210, Overhauled
6)				Re rigged fresh air vent control
7)				Installed serviceable oil temp. gage #1/169c-910-11L s/n A1965
8)				Performed ACF 50 treatment to Air Frame
9)				Reset EDM Oil-TA ALARM 240°F
				I certify that this <u>Aircraft</u> has been inspected IAW <u>FAR 91.207</u> and determined to be in <u>Airworthy</u> condition. Details on file under W.O. # <u>3843</u> Total Time <u>2149.37</u>
				Signed <u>Norman A. Bradbill</u> Date <u>4-14-00</u>
				Freeway Airport, Inc. 8900 Church Rd Mitchellville, MD 20721 CRS # FK8R141Q