

N142MP

**AIRFRAME LOG BOOK # 1**

*The Standard*



**AIRCRAFT LOG**

ASA-SA-1

# AIRCRAFT RECORD — GENERAL INFORMATION

MANUFACTURER Mooney Aircraft Corp. MODEL M206 SERIAL 26-0023

REGISTRATION NUMBER N142MP DATE MFG. 1988

ENGINE(S) CURRENTLY INSTALLED.

MFG Porsche MODEL PFM 3200 NO3 SERIAL P1J01044

MFG \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_

PROPELLER(S) CURRENTLY INSTALLED.

MFG Hartzell MODEL \_\_\_\_\_

HUB MODEL BHC-J2YF-1C SERIAL EF163 SERIAL \_\_\_\_\_

BLADE MODEL B7421 SERIAL 47 SERIAL 52 SERIAL \_\_\_\_\_

BLADE MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_

The Standard



# AIRCRAFT LOG

DATE 19 <u>88</u>	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.)
				PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY.
5/14			1.7	Joel A Smith 2106562
				THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY.
6/3			3.4	Joel A Smith For FAA Ft Worth Reg





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				<p>I certify that the <b>Altimeter and Static System</b>  tests required by FAR 91.171 have been per-  formed. The altimeter has been tested to <u>20,000</u> feet. <u>2-15-88</u></p> <p>Mooney Aircraft Corp. TS2A3  By <u>T. M. D. C. 6-4-88</u></p>
				<p>I certify that the <b>encoding altimeter</b>  tests required by FAR 91.36(b) have  been performed.</p> <p>Mooney Aircraft Corp.  TC 2A3  By <u>T. M. D. C. 6-4-88</u></p> <p>I FIND THAT THE AIRCRAFT  MEETS THE REQUIREMENTS FOR  THE CERTIFICATION REQUESTED  AND HAVE ISSUED A (STANDARD)  (SPECIAL) AIRWORTHINESS  CERTIFICATE DATED <u>6-4-88</u>  THE NEXT ANNUAL INSPECTION  IS DUE <u>6-4-89</u>  SIGNED: <u>T. M. D. C.</u>  <u>Owner 510-2041</u></p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small>
1988 8/12	12.3			R + R Transponder NRW S/N 64495
				I certify that A T C Transponder Tests required by FAR 91.172 have been performed.
				Mooney Aircraft Corp. R/S243-6
				By Paul Schuber 8/12

DATE 19 <u>89</u>	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.)
2-21	188.3		188.3	<p>Replaced interior side panels with latest configuration interior panels, replaced all instrument panels with new panels, installed landing light lens retainers.</p> <p>c/w Mooney special letter 88-5 by removing ground strap. Found Mooney special letter 88-6 previously complied with. c/w Mooney special letter 88-7 by replacing throttle adapter block. c/w Mooney service bulletin M20-232 by torquing engine mount bolts. c/w Mooney Service Bulletin M20-240 by removing fuse and rewiring master switch circuit as directed. Flight Test satisfactory</p> <p>U/O 8561 <u>Mooney Aircraft Corp. RS 243-6</u></p> <p><u>Ed J. [Signature]</u></p>



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31 March 1989			242.0 hrs	Total time. Completed 100 hr insp.
				Repaired crack in top cowling. Replaced manifold Pressure line to Firewall. Tightened Compass mount. Installed hardware for mike holder. Replaced fuel engine baffle, by oil cooler. Replaced oil cooler oil hose. Installed new camlock receptacle in lower cowling, R/S at nose. Chg Porsche S.B. N/100-025 by installing fuel pump check valves. Replaced L/S nose gear door hinge. The oil cooler flange was cracked - welded and pressure checked per Moroney Specs. Tool marks were sanded from main spar in center section by R/S upper Ignition controller. The area was reprimed. The POIT was updated with Rev "A". Adjusted main bearing in rudder.



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				Tube C/P/W 915031-000) was adjusted for proper thread engagement. Rudder travel was checked. Reset elevator down trim to +4.0. Reset the elevator trim indicator. Rechecked both main gear doors to close properly. Repacked all wheel bearings. Perform gear retraction test. Serviced Tires and battery. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and it has been found to be in an airworthy condition.
				J H Yang AIP 1825468

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19__				
16 Jan 1989	Time	302.6 hrs	6 hrs	Replaced Ltr main tire - 6.00x6 - 6 ply m/c Crearn. <i>John H. [Signature]</i> PDP1825468
7 July 1989	Time	326.4 hrs	4 hrs	Annual Inspection. Replaced nose tire Relined brakes. Packed wheel bearings. Lub gear and fittings & hinges. Performed retraction test & checked downlock preload. C/W S.B. m20-225A by replacing fuel cap O-rings. Replaced left landing light bulb. Replaced oil cooler chafe pad. Replaced both muffler shrouds CPN 630025-9001

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19__				(630025-9003). Adjusted Left wheel clamshell door to clear tire. C/W Mattern S.I m20-85-1 by installing KIT PW SI m20-085-001 (oil cooler bracket). Installed oil cooler S/N 88C010 (Total time 51.5 hrs). Replaced ELT battery which is good til Aug 1991. I certify that this aircraft has been inspected in accordance with an Annual Inspection and it has been determined to be in an airworthy condition.
				JWH H Young A11825468

[illegible]



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25 Jan 1990		Hobbs reads	411.3	<p>Total time Same. Annual Inspection  C/W S.L. 89-1 by installing a fast safe cable. Replaced R/S cabin light  bulb. Relined brakes. Packed all wheel bearings. Replaced left tire - (6.00x6,  G ply m/c casing). Lubed gear. Performed retraction test. CR'd downlock  preload. Secured CHT selector switch. Reconnected wires to the alternate  air door switch. Replaced trim saddle link and rear bolt (C/W 740170-003  and AN5H-32). Patched Cowling at spinner and at intake duct.  Replaced fuel selector placard. C/W AD84-26-2 by replacing paper  air filter. C/W AD85-24-3, part b &amp; S.B. m20-229A by replacing  fuel cap O-rings and adjusting fuel caps. Replaced O-rings for  oil cooler fittings. Replaced Fuel pressure / oil pressure gauge -  (C/W 884102-8006). Repainted center post &amp; cleaned aircraft</p>

(over)

[illegible]

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				THE TRANSPONDER MODEL <u>KT 76A</u> S/N <u>64495</u> AND ENCODER MODEL <u>AT 3000</u> S/N <u>3895</u> WERE TESTED AND INSPECTED, AND FOUND TO COMPLY WITH FAR 91.172. DATE <u>4-27-90</u> WO# <u>7501</u>  AHR AVIONICS, INC. SAN ANTONIO, TEXAS 78216 CRS# 210-90  INSPECTOR <u><i>Robert A. Senguen</i></u>
				I CERTIFY THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.171 HAVE BEEN PERFORMED. THE ALTIMETER S/N <u>36-193</u> WAS TESTED TO <u>306</u> DATE <u>4-27-90</u> WO# <u>7501</u> AHR AVIONICS, INC. CRS CF2R740R SAN ANTONIO, TEXAS 78216  INSPECTOR <u><i>Robert A. Senguen</i></u>



DATE 19 <u>90</u>	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.)
4/27	455.7			<p>Replaced altimeter (S/N 39193). The static system was checked &amp; certified on previous page. Installed Northstar Loran - See 337 thru date on details. Replaced floor carpet. Replaced floor center console. Installed new style glassview. Replaced both main L.G. tires (MS Creamy 6.00x6, 6 ply. Retined brakes. Replaced nose gear L/S hubcap. Adjusted Cabin door top latch. C/W S.L. 90-1 by inspection and found engine isolators to be correctly made. Replaced fuel portion of wing walls. Replaced Left wing tip strobe light bulb.</p>
				<p><b>MOONEY AIRCRAFT CORPORATION</b>  <b>FACTORY SERVICE CENTER</b>  <u>John H. Long</u>  <u>APP1825468</u></p>
				<p>Authorized Signature</p>



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11-27-90	485.0	-	485.0	COMPLETED ANNUAL INSPECTION THIS DATE:
%WAD85-24-03 @	FUEL CAPS.	%W	MOONEY SPECIAL LETTER	HENRY WEBER AIRCRAFT DISTRIBUTORS, INC. LANCASTER AIRPORT, R. D. 3 LITITZ, PENNA.
90-3 BY	SECURING CABIN HEAT CABLE.	ADDED 1 SHIM	DATE 11-27-90	REP. STATION NO. 110-2
TO STEERING HORN COLLAR,	CLEANED ALL BATTERY	TERMINALS & WIRES.	SERVICED BOTH BATTERIES,	DETAILS OF THIS WORK ORDER ARE ON THE ORDER NO. 9787
BRAKE RESERVOIR,	WHEEL BEARINGS,	LUBED GEAR	& FLIGHT CONTROLS.	INSPECTOR Larry J. Snyder
PATCHED RIGHT INNER GEAR	DOOR & LEFT LOWER KICK PANEL.	TIGHTENED	LOOSE FLAP BOLTS AT JACKSHAFT BEARINGS.	AIRCRAFT 485.0, ENGINE 485.0
				I CERTIFY THAT THIS AIRCRAFT <del>ENGINE</del> HAS BEEN INSPECTED IN ACCORDANCE WITH (AN) <del>110-2</del> (ANNUAL) INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION.
END ENTRY				

[illegible]

# AIRCRAFT LOG

DATE \_\_\_\_\_ TOTAL  
TACH \_\_\_\_\_ TIME IN  
DAYS \_\_\_\_\_ SERVICE  
19 \_\_\_\_\_ FLIGHT

DESCRIPTION OF REPAIR \_\_\_\_\_ REGISTRATION NO. 142MP ALTERATIONS  
ENTRIES MUST BE INDEXED WITH NAME, RATING AND CERTIFICATE NUMBER OF  
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

Removed

Vertical

System

I CERTIFY THAT  
TEST REQUIRED  
HAVE BEEN PER  
TESTED TO 2

The system(s) identified  
of the Federal Aviation

SHOP ORDER # A

SIGNATURE Ben

FORM NO. 091

## SERVICEABLE PART TAG

Olmsted Instrument Company  
Harrisburg International Airport  
Middletown, PA 17057  
Phone: (717) 944-4021

FAA REPAIR STATION NO. OWIR389K

Customer YORK BUILDING

Component Vertical Speed

Make/Model United Instruments

P/N 7000 S/N 3E291

☒ New ☐ Overhauled ☐ Repaired ☐ Functional Test

The component identified above is new, repaired or overhauled  
and inspected in accordance with current Federal Air Regulations  
and was found airworthy for return to service. Pertinent details of  
the repair are on file at this agency under

W.O. # S91-18 Date 5/19/92

Authorized Signature Wm D. Mcm



OLMSTED INSTRUMENT COMPANY  
HARRISBURG INTERNATIONAL AIRPORT  
MIDDLETOWN, PA 17057

FAA REPAIR STATION NO. OWIR389K



# AIRCRAFT LOG

REGISTRATION NO. 142MP

Removed Vertical Speed Indicator. Installed  
Vertical Speed Indicator P/N 7000 S/W 3E291  
System Check Good.

I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM  
TEST REQUIRED BY FAR 91.411 IAW PART 43, APPENDIX E  
HAVE BEEN PERFORMED. THE ALTIMETER HAS BEEN  
TESTED TO 20,000 FEET

The system(s) identified above was/were tested and inspected and found to perform in accordance with current regulations  
of the Federal Aviation Administration and is/are approved for return to service. Pertinent details are on file.

SHOP ORDER # AC92-393 DATE 5-19-92

SIGNATURE Begun M RS



OLMSTED INSTRUMENT COMPANY  
HARRISBURG INTERNATIONAL AIRPORT  
MIDDLETOWN, PA 17057

FAA REPAIR STATION NO. OWIR389K



# AIRCRAFT LOG

REGISTRATION NO. N142MP

FORM NO. 091

## SERVICEABLE PART TAG

Olmsted Instrument Company

Harrisburg International Airport  
Middletown, PA 17057

Phone: (717) 944-4021

FAA REPAIR STATION NO. OWIR389K

Customer York Building Products  
Component Audio Panel  
Make/Model King KMA 24  
P/N 066-1055-03 S/N 25419  
☐ New ☐ Overhauled ☒ Repaired ☐ Functional Test

The component identified above is new, repaired or overhauled and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under

W.O. # AC92-412A

Date 6-9-92

Authorized Signature Bryan M. [Signature]

SIGNATURE



OLMSTED INSTRUMENT COMPANY  
HARRISBURG INTERNATIONAL AIRPORT  
MIDDLETOWN, PA 17057

FAA REPAIR STATION NO. OWIR389K

# AIRCRAFT LOG

REGISTRATION NO. N142MP

Adjusted Blind Encoder check system Good  
To 20,000 ft

I CERTIFY THAT THE TRANSPONDER TEST AND INSPEC-  
 TION REQUIRED BY FAR 91.413 IAW PART 43, APPENDIX F  
 AND THE ALTIMETER AND STATIC SYSTEM TEST REQUIR-  
 ED BY FAR 91.411 IAW PART 43, APPENDIX E HAVE BEEN  
 PERFORMED. THE ALTIMETER HAS BEEN TESTED TO

20,000 FEET AND TEST RESULTS  
 ARE ON FILE UNDER SHOP ORDER

NUMBER: AC92-528

DATE: 7/30/92

The system(s) identified above was/were tested and inspected and found to perform in accordance with current regulations  
 of the Federal Aviation Administration and is/are approved for return to service. Pertinent details are on file.

SHOP ORDER # AC92-528

DATE 7/30/92

SIGNATURE

Benjamin M. Jacobs



OLMSTED INSTRUMENT COMPANY  
 HARRISBURG INTERNATIONAL AIRPORT  
 MIDDLETOWN, PA 17057

FAA REPAIR STATION NO. OWIR389K

[illegible]



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17 March 1994				Aircraft Total Time 624.5
				<p>Removed fuel strainer, cleaned valve stem reinstalled,  Leak checked - Replaced Turnbuckle safety clips on elevator  bungee cable - charged batteries - Replaced Rear engine  isolators P/N 95167-02 Replaced cabin heat duct and air  filter inlet duct P/N 640322-005, X6446 Replaced  bushings P/N 914020-163 in upper muffler support brackets  Replaced rod end bearings - Replaced left alternator drive  Ring gear P/N 93310540802 cleaned and greased wheel  bearings - Lubricated landing gear. I certify that this  Aircraft has been inspected in accordance with an Annual Inspection  And was determined to be in airworthy condition.</p>

ELT date JAN-96

Clarence Lewis 1A 1399205

[illegible]

DATE 19 <u>95</u>	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.)
5-1-95	654.0		654.0	<p>I CERTIFY THAT THIS <u>air frame</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE AIRWORTHY.</p> <p>Tested ELT as per FAR 91.207 d. Lubed hinges, rod ends &amp; control surfaces. Serviced tires &amp; brake fluid. <u>Daniel Dawson</u> Retraction test &amp; emerg. extension systems normal. <u>IA162464373</u> Replaced induction air filter. AD84-26-02 due in 500 hrs, or on condition. Replaced fuel filter. See engine log for additional information.</p> <p>END ENTRY</p>



DATE 19 <u>95</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
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**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.)

I CERTIFY THAT THE TRANSPONDER TEST AND INSPECTION REQUIRED BY FAR 91.413 IAW PART 43, APPENDIX F AND THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 IAW PART 43, APPENDIX E HAVE BEEN PERFORMED. THE ALTIMETER HAS BEEN TESTED TO

20,000

FEET AND TEST RESULTS

ARE ON FILE UNDER SHOP ORDER

NUMBER: AC95-221

DATE: 6-29-95

SIGNATURE: Bryson M. CB



**OLMSTED INSTRUMENT COMPANY**  
FAA REPAIR STATION NO. OWIR389K

REGISTRATION NO. N142MP

DATE 19 <u>96</u>	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.)

5-1-96 657.6 657.6

I CERTIFY THAT THIS airframe HAS BEEN INSPECTED  
IN ACCORDANCE WITH AN Annual INSPECTION AND  
WAS DETERMINED TO BE AIRWORTHY.

Replaced ELT battery. Next due

date is Jun 98. Tested ELT

657.6 TT

David Densen

as per FAR 91.207d. Replaced

5-1-96

IA162464373

Fuel filter. Lubed hinges, rod ends, & control surfaces, cleaned & repacked  
wheel bearings, lubed gear, retraction test & emerg. extension system - ok,  
serviced tires, and brake fluid, charged batteries. Removed elect. trim  
servo and sent to King Radio for repair. END ENTRY

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9-27-96	658.1		658.1	Checked mooney service bulletin M20-259. Found P.C.U. by removal of fuel cap lanyards. <u>Dave Doern</u> IA162464373
10-1-97	669.9			



AVIACRAFT CORPORATION  
8250 SKYLANE WAY, PUNTA GORDA, FL 339  
CRS U04R577M PH 813-637-6770

DESCRIPTION	Altimeter	MODEL #
PART #	5934PA-1	S/N 3619
MANUFACTURER	United Instr. Inc.	DATE 6-1-9
W/O #	498	CUSTOMER N14
COMMENTS	Certified to 30,000 ft	
INSPECTOR	Ron Strack	

6-1-97 N142MP Mooney M20L Ser # 26-0023 Hobbs 669.9

Performed Altimeter (United Instruments 5934PA-1 sn 36193),  
Transponder (Bendix/King KT 76A sn 64496), Encoder, and Static  
System tests required by FAR 91.411 & 91.413. System meets FAR  
43 app. E & F to 20,000 ft.

R. D. Strack

for AviaCraft Corporation CRS U04R577M

DATE	5-29-97	ALTIM.
W.O. #	498	
AT 29.92HS A/C ALT READS		
AT FIELD ELEVATION A/C REA		
CHECK POINTS		
-1000	-993	
0	+6	
500	510	
1000	1010	
1500	1507	
2000	2010	
3000	3014	
4000	4017	
5000	5020	
8000	8025	
10000	10042	
12000	12045	
14000	14040	
16000	16048	
18000	18041	
20000	20020	
22000	22030	
25000	25028	
30000	30021	
35000		
HYSTeresis: CHECK POINT =		
TOLERANCE: +/- 75 ft		
STATIC SYSTEM LEAK RATE TST		
BAR		
BARO. SETTING	ALT. SCALE	
28.10	-174	
28.50	-1355	
29.00	-870	
29.50	-405	
29.92	+2	
30.50	+520	
30.90	+890	
30.99	+968	

AP 521256023

Brian Kendrick.

DATE 19 <u>96</u>	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.)
9-27-96	658.1		658.1	Checked mooney service bulletin M20-259. Found P.C.U. by removal of fuel cap lanyards. <u>Dave Doern</u> IA162464373
10-1-97	669.9			

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3-2-98	707.8			REPLACED L/R MAIN TIRES REPLACED WITH 2 NEW BONDOR 6.00XB CHECK OPS OK. END - CONEY WILKINS AIP 464719849IA
7/1/98	742.2			REMOVED ALL INSPECTION PLATES, COUPLING, PREPARED AIRCRAFT FOR ANNUAL INSPECTION TACKED AIC FOR RETRACT TEST PERFORMED RETRACT, & CHECKED ALL TOLERANCES ON LANDING GEAR IAW MFR SERVICE MANUAL LUBED ALL GREASE ZERK LUBED ALL PULLEY/CABLES. CHECKED ADS THRU 95-18-2 SEE ENTRY NEXT PAGE





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7/29/1998

Mooney M20L N142MP

Removed KMA-24 audio panel and installed PMA6000/MS audio panel with intercom system, and rear seat headphone jacks, WX-950 Stormscope® system, and AI CD player AM/FM radio. See FAA Form 337, this date, for the installation details. There is no requirement for continued airworthiness, and no instructions are necessary for this system as per the install manuals. The aircraft equipment list, weight and balance were revised.

*[Signature]* 22390445

C. F. Airtronics, Inc.  
 4335 Glendale-Milford Rd.  
 Cincinnati, Ohio 45242  
 CRS C3FR411J

8/14/1998

Mooney M20L N142MP

Removed Northstar M1 Loran-C system and installed Northstar GPS 60 system. See FAA Forms 337, this date, and 27 April 90, for the installation details. There is no requirement for continued airworthiness, and no instructions are necessary for this VFR system as per the install manuals. The aircraft equipment list, weight and balance were revised.

*Pete H 22350445*

C. F. Airtronics, Inc.  
4335 Glendale-Milford Rd.  
Cincinnati, Ohio 45242  
CRS C3FR411J

8/14/1998

Mooney M20L N142MP

Removed KT-76A transponder and installed KT-76C transponder. The exchange of transponders was done I/AW the instructions in install manual 006-10545-0000 Rev. 0, Oct. 1996. The transponder was tested as per FAR 91.113 The instructions for continued airworthiness are found in the manual listed previously. No change was made in the aircraft structure. The aircraft equipment list, weight and balance were revised.

*Pete H 22350445*

C. F. Airtronics, Inc.  
4335 Glendale-Milford Rd.  
Cincinnati, Ohio 45242  
CRS C3FR411J

ALTERATIONS  
DATE NUMBER OF  
SPECIFIC ENTRIES.)



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.)
19 <u>96</u>						

8/14/98

This is to certify that the Altimeter and static system test required by FAR 91.411 and as outlined in FAR 43 Appendices E & F has been performed.

The Altimeter was tested to 20,000 Ft.

Altimeter Serial number 36193

This is to certify that the ATC transponder Model KT26C serial No. 6202 installed in this aircraft meets the FAA test as required by FAR91.413 and as outlined in FAR43 Appendix F.

This is to certify that the installed Altitude Reporting system has been tested as required by FAR91.411 and in accordance with procedured outlined in FAR43 Appendix E and F.

Signed 

C. F. Airtronics, Inc.  
4335 Glendale-Milford Rd.  
Cincinnati, Ohio 45242  
CRS C3FR411J

C.F. Airtronics, Inc.  
4335 Glendale-Milford Rd.  
Cincinnati, Ohio 45242  
CRS #C3FR411J

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS</b> 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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10/29/1998      Mooney M20L N142MP  
 Removed Northstar® GPS 60, KI-525 and KA-51B, and installed M3 Approach  
 GPS, MD-41-828 Sandel® SN3308 EHSl, and Ryan® 9900 TCAD. See FAA  
 Forms 337, this date for the installation details. See the appropriate installation  
 manuals for the instructions for continued airworthiness. The flight panel was  
 labeled "GPS not approved for IFR" and "TCAD information advisory only". The  
 aircraft was Ground and Flight evaluated and was found to be in compliance.  
 The aircraft equipment list, weight and balance were revised.

C. F. Airtronics, Inc.  
 4335 Glendale-Milford Rd.  
 Cincinnati, Ohio 45242  
 CRS C3FR411J

*[Signature]* 2239045  
 C. F. Airtronics, Inc.  
 4335 Glendale-Milford Rd.  
 Cincinnati, Ohio 45242  
 CRS C3FR411J

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
1998				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

10/29/1998

Mooney M20L N142MP

Removed WX-950 Stormscope® and standard turn coordinator and installed WX-500 Stormscope® and RCA 26BK-2 electric standby horizon with slip indicator. See C.F. Airtronics W.O. 2227, this date for the installation details. The installations were accomplished I/AW stormscope installation manual 009-11500-001 (Rev. A) 12 May 1998 change 1 and AC 43.13-1A, para. 868 See the appropriate installation manuals for the instructions for continued airworthiness. The aircraft was ground evaluated and was found to be in compliance. The aircraft equipment list, weight and balance were revised.

  
22390445

C. F. Airtronics, Inc.  
4335 Glendale-Milford Rd.  
Cincinnati, Ohio 45242  
CRS C3FR411J





DATE 19__	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.)
5/28/89	959.4	Annual Insp		this date in accordance mooney Insp. Guide.
		Lub & Insp.		All Heim bearings & control rods. Insp., Lub, cycled and Emergency
				Extend gear and check torques. Clean & repack All wheel Bearing and service
				fires. Service batteries and Rotate. c/w 91.207 Insp of ELT system.
				Battery due date 6/01 Replace All Fuel cap o-rings & Adjust caps.
				Check quick drains & vents. Service Brake reservoir. I Certify
				this aircraft has been insp. in accordance with an annual
				Insp & Found to be in Airworthy condition at this time END
				John D. Fogli
				ALP 200423762 FA.

[illegible]



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS</b> <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small>
19				

## STANDARD AVIATION

6-1-2001 N142MP Total Time 1200 hrs Hobbs 00.0

Hobbs meter inoperative replaced with new reads 00.0 Estimated total time 1200.0

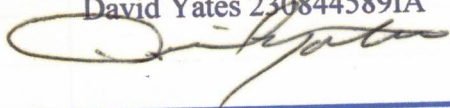
Complied with Far 91.207(d) Dorne & Margolin Serial number 130339E. Replaced

Battery next due 7-2003. Serviced airframe and landing gear repaired right gear door

Installed new battery on right side Gill G243.

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

David Yates 230844589IA

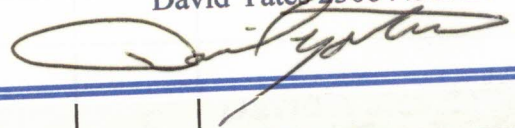


DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
19__				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

**STANDARD AVIATION**

12-21-2001 Total Time 1224.2 hrs Hobbs 24.2  
Complied with Far 91.207(d) Dorne & Margolin Serial number 130339E.  
Battery next due 7-2003. Serviced airframe and landing gear repaired right gear door  
Replaced both tires and tubes on the mains replaced brake pads on the left side.  
Performed gear retraction and emergency extension found OK.  
I certify that this aircraft has been inspected in accordance with an annual inspection  
and was found to be in an airworthy condition.

David Yates 230844589IA




DATE

19.

RECORDING  
TACH  
TIMETODAYS  
FLIGHTTOTAL  
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.)

### STANDARD AVIATION

6-1-2001 N142MP Total Time 1200 hrs Hobbs 00.0

Hobbs meter inoperative replaced with new reads 00.0 Estimated total time 1200.0

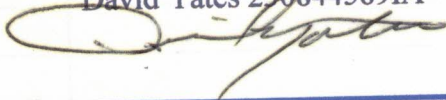
Complied with Far 91.207(d) Dorne & Margolin Serial number 130339E. Replaced

Battery next due 7-2003. Serviced airframe and landing gear repaired right gear door

Installed new battery on right side Gill G243.

I certify that this aircraft has been inspected in accordance with an annual inspection  
and was found to be in an airworthy condition.

David Yates 230844589IA





[illegible]

# STANDARD AVIATION

DATE  
19

RECORDING  
TACH

TODAYS

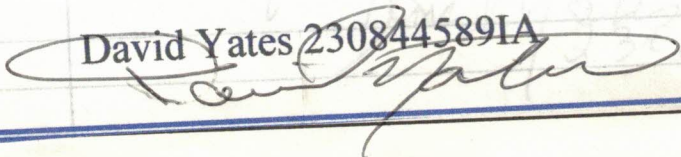
TOTAL  
TIME IN

9-3-2002 Total Time 1452.5 hrs Hobbs 252.5

Complied with Far 91.207(d) Dorne & Margolin Serial number 130339E. Battery next due 7-2003. Serviced airframe and landing gear replaced both main tires with McCarey 6.00X6 tires replaced the right tube with aircraft specialities 6.00X6. Replaced the right brake pads RA66-105. Performed gear retraction and emergency extension found OK.

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

David Yates 2308445891A



OF  
(S.)

[illegible]



DATE

19\_\_

RECORDING  
TACH  
TIMETODAYS  
FLIGHTTOTAL  
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.)

01/10/2003 Mooney M 20L s/n26-0023 N142MP  
Removed GTX-327 Transponder panel unit and mounting tray. Installed  
Garmin GTX 330 transponder, mounting tray, connector, and Davtron M655  
multi function gage. The was installed and connected to the GNS-430 and 530  
GPSs for in flight traffic advisory information. The installation was tested  
I/A/W FAR 91.413, as per 43 appendix F and is approved for return to service.  
See FAA form 337 this date for the installation details, and the ICA. An  
approved Operators Manual was placed in the aircraft. The aircraft weight,  
balance, and equipment list were revised.

Signed



C.F. Airtronics, Inc.  
9500 North Shore Dr.  
Hillsboro, Ohio 45133  
CRS#C3FR41

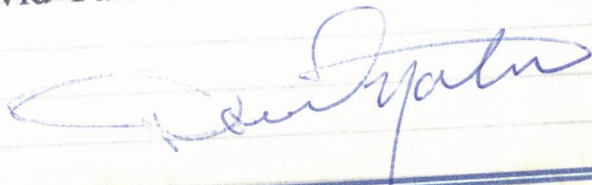


# STANDARD AVIATION

3-3-2003 Total Time 1586.5 hrs Hobbs 386.5

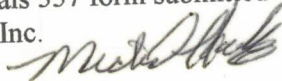
Replaced both main tires with Mitchlin Air 6.00X6, nose tire Mitchlin 5.00X5 replaced the right brake pads PN 66-105. Replaced the right wheel cover. replaced the right inboard and left outboard bearing pn 13889 and race pn 8231 replaced 1 bearing pn 8125 and race 13836 in the nose wheel. Reattached the pilot seat arm rest.

David Yates AP230844589





DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS (CERTIFICATE NUMBER OF OR SPECIFIC ENTRIES.)
				<b><u>FLORIDA FLIGHT MAINTENANCE</u></b> 160 E. Airport Ave. Venice, FL 34285 (941) 485-1149
				8-16-05 Hobbs 1955.6 TTAF 1955.6 TTE 0.0 TTP 0.0
				Jacked aircraft. Removed all wheels and inspected bearings,
				cleaned and repacked all. Replaced both nose wheel
				bearings and races. Replaced RH and LH brake discs with
				new, installed new linings RH and LH and broke-in to discs.
				Replaced #1 and #2 batteries with new S/N G02205984 and
				G02205992. Removed nose gear from upper trunnion.
				Installed LASAR oversized trunnion bushing in accordance
				with STC SA3540NM, reassembled all. Replaced ELT
				battery with new, due again 8-07. Inspected and tested ELT
				in accordance with FAR 91.207(d). Lubed flight controls
				and landing gear. Performed gear retraction and extension
				tests. Engine inlet air filter element is new.
				<i>Middlebrook</i>
				AP3066509

DATE	RECORDING TACH TIME	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <b>FLORIDA FLIGHT MAINTENANCE</b>	AND CERTIFICATE NUMBER OF OR OTHER SPECIFIC ENTRIES.)
19__			160 E. Airport Ave. Venice, FL 34285 (941) 485-1149	
			8-16-05 Hobbs 1955.6 TTAf 1955.6 TTE 0.0 TTP 0.0	
			Ran engine for operational check of all systems. Removed	
			air conditioning belt from engine, pulled and safetied circuit	
			breaker, placarded A/C INOP. Inspected previous	
			installation of Continental engine IO-550-N S/N 687920 and	
			McCauley propeller 3A32C418-C S/N 990858. Found to be	
			in accordance with Mod Works STC SA02624AT and the	
			installation instructions, see 337 form this date. Inspected	
			previous installation of Vision Micro Systems VM1000	
			engine monitoring system. Found to be in accordance with	
			Mod Works STC SA01516AT, see 337 form this date.	
			Inspected previous installation of Jose Monroy aux fuel cells,	
			research reveals 337 form submitted 7-23-04 by mechanic at	
			Mod Works, Inc.	
			 AP3066509	

[illegible]

**FLORIDA FLIGHT MAINTENANCE**  
 10000 W. Venice, Venice, FL 34285

**FLORIDA FLIGHT MEDICAL CENTER**  
160 E. Airport Ave. Venice, FL 34285  
(813) 485-1149

(941) 485-1149

8-16-05 Hobbs 1955.6 TTA 1955.6 TTE 0.0 TTP 0.0  
Inspected previous installation of Precise Flight Speed  
Brakes, research reveals 337 form submitted 7-23-04 by  
mechanic at Mod Works, Inc. Aircraft weighed, see weight  
and balance sheet dated 7-29-05, and new flight manual  
installed in aircraft. Equipment list updated to reflect all  
installations and modifications at time of weighing.  
Weighed with only unusable fuel. All applicable flight  
manual supplements installed together in one folder and  
installed in aircraft along with new flight manual as part of  
empty weight

ty weight

*Michael H. Clark*

AP3066509

VING AGENCY.



DATE

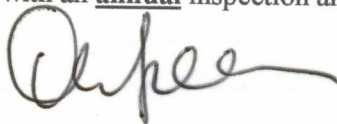
19\_\_

TOTAL  
TIME IN  
SERVICE**FLORIDA FLIGHT MAINTENANCE**

160 E. Airport Ave. Venice, FL 34285

(941) 485-1149

8-16-05 Hobbs 1955.6 TTA 1955.6 TTE 0.0 TTP 0.0  
Ran engine for operational check of all systems. Researched  
FAA records to determine approval of installed  
modifications. Reviewed flight manual and supplements and  
weight and balance to determine completion. Inspected  
aircraft in accordance with Mooney service manual and  
instructions for continued airworthiness for STC's  
SA02624AT and SA01516AT. Checked AD's to current bi-  
weekly, all applicable are in compliance at this time, see AD  
listings. I certify this aircraft has been inspected in  
accordance with an annual inspection and is airworthy at  
this time.



IA2809540

S TO  
APPROVING AGENCY.

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.

004.8

Removed & Replaced GPS Cooling Fan, Repaired Sandel HST  
Wiring & Performed Ops check. Removed R/H & L/H Speed Breaks  
& Sent out for repair & Reinstalled & Performed ops check. Removed Broken  
Aircell Antenna & Installed blanking plate Tagged CIB & Install Dead  
Placard. Charles F. Cronan V83 R 318 Y

# AIRFRAME RELATED ADS

DATE 19__	A. D. NUMBER	TOTAL TIME IN SERVICE	<b>AIRWORTHINESS DIRECTIVES</b> CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.
11-27-90	85-24-03	485.0	③ FUEL CAPS - CWO INSPECTION & TEST PER 58 M20-239 - <sup>NEXT 585.0</sup> DUE - 11-91 <i>Larry Snyder</i> <i>CRS 110-2</i>
5-1-95	84-26-02	654.0	Replaced Air Filter Element. Next Due 1154.0
5-17-99	98-24-11	849.0	Replaced Rad Ends Per m20-264 No further <i>Required</i> <i>APR 2000</i>

CLOSED

LOG BOOK



