

N1083L LOG#1



The Standard

AIRCRAFT LOG

ASA-SA-1

PAINT COLOR INFORMATION

N 10836 SN 24-3393

TOP COLOR Really White COLOR NO. WP 696 MFG PdL

ACCENT COLOR — COLOR NO. — MFG —

STRIPES Gold COLOR NO. H 80664 MFG DuPont

BOTTOM WING Closet Red COLOR NO. WS 550 MFG PdL



MOONEY AIRCRAFT CORPORATION

LOUIS SCHREINER FIELD
KERRVILLE, TEXAS 78028

Aircraft Record General Information

Manufacturer Mooney Aircraft Corp Model M20J
Serial 24-3393 Registration Number N1083L
Date of Manufacture 1996

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A3B6 Serial L-26839-51A
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer McCawley Model _____
HUB Model B2D34C214A Serial 960900 Serial _____
Blade Model 90DHB-16E Serial PJ015 Serial PJ027 Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

WARNING**—THIS PROPELLER HAS BEEN DYNAMICALLY BALANCED—**

Each aircraft has an engine/propeller imbalance and amplitude different than others due to manufacturing tolerances in engine and/or propeller.

Dynamic balancing is not required but smoother operation will result when the engine & propeller are balanced as an integral unit.

Propellers that have been dynamically balanced require special consideration when any maintenance is to be done on the engine or propeller. There are balance weights bolted to the spinner bulkhead and these may require removal, depending upon the maintenance action being done. If the propeller is replaced or overhauled the weights shall **BE REMOVED** from the spinner bulkhead prior to engine start up.

It is at the owner's discretion to have the propeller/engine combination dynamically balanced after maintenance which may disturb the original balanced condition. Use of a Chadwick Helmuth dynamic balancing system is recommended but may not be the only means to accomplish this balance condition.

Mooney Aircraft Corp.

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.)
19 <u>96</u>				
8-23			5.2	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY. <i>Michael G. Miles 2121990</i>
8-26			5.8	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY. <i>Michael G. Miles</i> FOR FAA ACO ASW 150

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.)
8-26			5.8	The GPS Navigation System, Make <u>KING</u> Model <u>KLN-89B</u> installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Aircraft Specification 020009, and is approved for use under instrument Flight Rules, Enroute and Non-Precision approaches only. Signed <u><i>Robert G. Miles</i></u> Mooney Aircraft Corporation

Description of Inspections, Tests, Repairs
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Description of Inspections, Tests, Repairs
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

8.26.96

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.)
I certify that ATC Transponder Tests required by FAR 91.413 have been performed MOONEY AIRCRAFT CORP. TC 2A3 By <u>Michael G. Dicks</u> 8-27-96				I certify that the Altimeter tested to <u>20,000</u> feet on <u>5-8-96</u> and Static System tests required by FAR 91.411 have been performed. MOONEY AIRCRAFT CORP. TC 2A3 By <u>Michael G. Dicks</u> 8-27-96
I certify that the encoding altimeter tests required by FAR 91.217(b) have been performed MOONEY AIRCRAFT CORP. TC 2A3 By <u>Michael G. Dicks</u> 8-27-96				"I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) (Special) Airworthiness Certificate Dated <u>8-27-96</u> . The next Annual Inspection is due <u>8-27-97</u> ." SIGNED: <u>Michael G. Dicks</u> DMIR SW-6136

DATE 1946	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.)
10/4	19.0		19.0	Installed LASAR controller ph LC-1012-02 slu 96233-06, Magneto 4761 96080222, magneto 4770 slu 9602 0014, Low voltage control harness LH-1007-35 in accordance with engine SFC SE524CH. Mounted LASAR controller to left motor mount tubes with minor rerouting of associated wiring. Attached LH power wire to circuit breaker labeled "IGN" in panel. Test ran system on ground. Hwy C thru AP 335-40-7412 JA

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.)
104	19.0		19.0	Ferry permit issued this date by T. Soerens to Page FSDO to ferry aircraft from RFD to COT due to installation of LASAR ignition system. This aircraft has been inspected and found to be in an airworthy condition suitable for a ferry flight to position this a/c to COT. Henry C. Thompson AP335-40-7412 DA.
				I FIND THAT THIS AIRCRAFT MEETS THE REQUIREMENTS FOR THE CERTIFICATION REQUESTED AND HAVE ISSUED A SPECIAL AIRWORTHINESS CERTIFICATE FOR MARKET SURVEY THIS DATE 10/4/96 Ken W. Thompson CE-55

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.)
1/20	49.0		49.0	"I certify that this aircraft has been inspected on 1/20/97 in accordance with the scope and detail of FAR 43, Appendix D and found to be in a condition for safe operation." A/P 452637816 Bryan Pullin
1/20	49.0		49.0	Installed Laser controller P/N LC-101202, S/N 96289-51. Also, replaced defective magneto with new magneto P/N 4761, S/N 96080214 in accordance with engine S+C S'E 524C1+ and Manufacturer's Bryan Pullin installation instruction SL146 Rev. A 452637816

				Description of Inspections, Tests, Repairs and Alterations	DATE
DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	19 <u>97</u>
1/21	49.0		49.0	I find that the aircraft meets the requirements of the certification requested and have issued a Special Airworthiness Certificate, R&D and Market Survey, dated 1/21/97 <i>Alp-fury, AS+</i> CE 52	3/7
1-25-97	54.9			I certify that this aircraft has been tested throughout its range of operations and complies with FAR 91.319(b). <i>Fanny J. Seeman</i> ATP 420024693	3/26

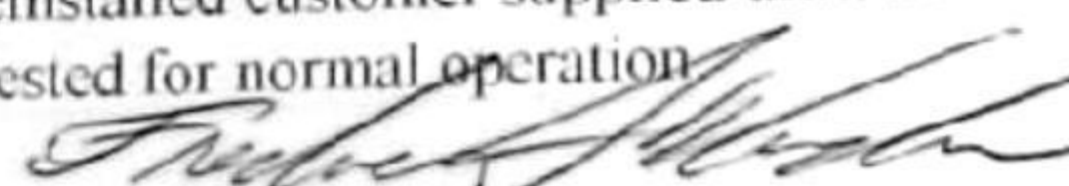
DATE 19 <u>97</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/7	98.5			REMOVED LHSAR IGNITION SYSTEM INSTALLED 10/9/96 INCLUDING MAG PN-4761 SN 9608215, PU-4770 SN 9620019, CONTROLLER PIN LC-1012-02, SN-96289-51 & REPLACED W/STD MAGNETS AND HARNESSES PER LXC TCDS 1 ETD. ENGINE RETIMED TO 20° BTDC PER AUCC MANUAL & E0294-7. A/C FLIGHT TESTED AIRWORTHY. Thomas A Power A6 066252921
3/26/97	99.4		99.4	Annual inspection completed this date. Checked gear system in normal and emergency modes. Lubricated landing gear and airframe. Replaced fuel cap O-rings

				Description of Inspections, Tests, Repairs and Alterations
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/26/97	(Continued)			Replaced vacuum regulator gasket filter. Inspected and lubricated trim servo carrier bearing.
				Replaced exhaust tailpipe hanger.
				Replaced L/H Fuel sump drain valve. Reglued baggage door seal.
				Set Roll servo cable tension.
				Adjusted flap indicator. Replaced R/H control wheel emblem. I certify that this aircraft has been inspected IAW an annual inspection and was

DATE _____

19—

3/26

				Description of Inspections, Tests, Repairs and Alterations			
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)		DATE 19__	RE TA TH
				Mooney	N1083L 4/25/97		
				Removed intercom, serial number K1040 and reinstalled customer supplied unit, serial number L1235. Tested for normal operation.			
				 Kansas City Aviation Center CRS AMYR171C			
7/22/97	195.1			Replaced L/H rear overhead wema valve. Adjusted R/H cowl flap. Sealed leaking screw under wing walk. Oressed & repainted propeller. Adjusted flap indicator. W.O.# 10503 Tom Benschuh Mooney Aircraft Corp CRS FH2K			

DATE
19__

RECORD
TACH
TIME



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

DATE 8/21/97 N 1083L
TIME HOBBS 210

air

FAA APPROVED REPAIR STATION MZER198L
COMPLETED ANNUAL INSPECTION THIS DATE. REPACKED ALL
WHEEL BEARINGS. CLEANED MAIN FUEL SCREEN. SERVICED
BATTERY. GREASED LANDING GEAR. CHECKED ELT OPERATION
PER FAR 91.207D. ELT BATTERY DUE FOR REPLACEMENT
SEPT '98. INSTALLED TANIS TAS100 ENGINE PREHEATER
SYSTEM, SERIAL #27494, IN ACCORDANCE WITH TANIS
DRAWINGS 100 AND 100A. UPDATED AIRCRAFT WEIGHT AND
BALANCE. INSTALLED NEW O-RINGS ON FUEL CAPS. REPLACED
FORWARD PORTION OF WING WALK. OPERATIONAL RUN-UP AND
LEAK CHECK OK. REFERENCE MODERN AERO WORK ORDER #25885.

DATE 8/21/97 TOTAL TIME 210
I CERTIFY THIS AIRCRAFT HAS BEEN
INSPECTED IN ACCORDANCE WITH AN ANNUAL
INSPECTION AND WAS DETERMINED TO BE
IN AIRWORTHY CONDITION.

FOR DETAILS SEE W/O 25885

AUTHORIZED SIGNATURE [Signature]
MODERN AERO, INC., EDEN PRAIRIE, MN

FAA APPROVED REPAIR STATION MZER 198L

©ASA 1993

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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MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

DATE 02-19-98 N 1083L
TIME 253.9

FAA APPROVED REPAIR STATION MZER198L

Removed strobe light Whelen p/n A610 and installed new
Whelen strobe light A610. Operation ok. Refer to
w/o 26323-1.

Greg Schutte

DATE
19__

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs
Entries must be endorsed with Name, Rating and Certificate Number
(See back cover for other restrictions)



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

DATE 02/20/98 N N1083L
TIME 253.9 Hobbs

FAA APPROVED REPAIR STATION MZER198L
Shadin fuel flow indicator repaired by Shadin Co. Inc.
reference w.o. 02199801. Refer to Modern Aero w.o.
26323-1

Lieg Schutte

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.)	DATE 19 <u>98</u>
17 April 1998				Tac. Time #269.4 - Replaced both Main Tires with Goodyear Flight Custom G89x6x6 - Inspected & Repacked Wheel Bearings. Replaced all 4 (four) Brake Pads & Conditioned - Cycled Gear 3 (three) Times - See Win Air WO #98-04-17 G. Boben ACP 541402372	01, J 23,
18 April 1998				Tac. Time #269.4 - Flap Indicator Ings - A/c Airworthy to Flight From ONA to FCM - See Special Flight Permit dated 04-17-98 G. Boben ACP 541402372	



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

DATE 4-23-98N 1083L
TIME 270 Hobbs

FAA APPROVED REPAIR STATION MZER198L

Installed new flap indicator cable, part number 740191=017. Operational check ok. *Ray R. Buckey*

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.)
01, June 1998				Hobbs 292.1 - A/c TT 292.1 - Replaced RH Wing Tip Stroke Unit (A627) - Lubricated Gear - Airframe - For Further Details see WIN AIR W.O. #98-06-01 * G. Bolon Ac P 5741402372
23, July 1998				Hobbs 324.8 - Replaced Flap Circuit Breaker P/N 7277-2-5 - Replaced Flap Motor/Gearbox Assy P/N 750105-501 S/N 3489 OFF - S/N 810980 ON. Functional Test Flap System + Checked Rigging OK * Kent Swogger Ac P 5088000015 See Win Air W.O. #98-07-23
11, August 1998				Hobbs 329.4 - Replaced Flap Relay Assy. P/N 800376 - 9501 - S/N 106652 OFF - S/N 195413 ON. Functional Test Flap System + Check Rigging OK * Kent Swogger Ac P 5088000015 See Win Air W.O. #98-08-11

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.)
04,	Sept. 1998	Hobbs	Time 344.5	A/ETI 344.5 - Completed 100 HOUR
				Inspection I/A/W Mooney 100 HOUR / ANNUAL Inspection Form Dated
				04-03-90. Replaced Missing Can loc on Belly Skin P/N A10-4.
				Replaced Left Wing Tip Recognition Lt. P/N 70303. C/W FAR 91.207(h)
				By Inspection & Testing of ELT - Replaced Battery Pack P/N 452-0130-
				New Expiration Date August '00. A.O. 98-14-03 Dated 08-16-98 -
				Transponder Modification Due Prior
				to Oct. 16, 1999. Performed Gear
				Retraction / Extension & Related
				Checks. Ground Run & Operational
				Check OK *

I CERTIFY THAT THIS AIRCRAFT ~~ENGINE~~ HAS BEEN INSPECTED
IN ACCORDANCE WITH A 100 HOUR INSPECTION
AND HAS DETERMINED TO BE IN AIRWORTHY CONDITION WITH
RESPECT TO THE WORK PERFORMED. DETAILS OF
THE INSPECTION ARE FILE #

W.O. # 98-08-04 DATED 09-04-98
SIGNED Kurt Swogger A+P 50880005

B. W. Corp.
WINONA / GUNTER, MN

[illegible]

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.)

Date 9-11-98 Tach Reads 357.5 Altimeter/Static/Transponder Certi.

I certify that the altimeter, static system, transponder, and altitude reporter tests required by FARs 91.411, 91.413 & 91.217 have been performed and found to be within the limits of FAR 43 appendices E & F and AC 43.6A.

TESTED TO 20,000 FEET

Altimeter Model UNITED S/N 2K215

Transponder Model KT769 S/N 108463

Reporter Model Dorra S/N 20723

TANIS AIRCRAFT SERVICES, INC.

MUNICIPAL AIRPORT

GLENWOOD, MN 56334 Signature Roland D. Woodman

CRS# VPTR166L W.O.# 50716

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.)
9-11-98	357.5			INSTALL J P ENGINE MONITOR EDM 700, P/N EGT 701-4C
S/N: 9121				PER MANUFACTURE INSTRUCTIONS SEE FORM 337 THIS
DATE				WT & BALANCE RECALCULATED. NEW EMPTY WT. 1969.66,
EMPTY CG	46.43,			MOMENT 91444.68. <i>Done ELL</i> #2551118313

**MOONEY FACTORY SERVICE CENTER
AIRFRAME LOGBOOK ENTRY
CRS# FH2R820K**

DATE: 9-30-98
HM: 372.5

REG. NO: N1083L
S/N: 24-3393

READJUSTED TAKEOFF LIMIT SWITCH STACK. OPERATIONAL CHECK GOOD. W.O. #
10774. END.

Stanley Ellis
**MOONEY AIRCRAFT CORP.
CRS# FH2R820K**

DATE

19__

RECORDING
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.)



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

HOBBS-413.7

DATE: 12/31/98

REPLACED LEFT AND RIGHT LANDING LIGHTS WITH NEW BULBS.
REF. MODERN AERO W/O 27150.

DATE 1999	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.)	
03, January 1999				Hobbs #414.7 - TT #414.7 - Replaced A/C Battery with New/Service G-243 * See WIN AIR WG # 99-01-03 * Off Manufacturer G-11 On Manufacturer G-11	
			PN	G-243	PN G-243
			SN	G-#1608998	SN #1798370
				G. Bolon ACP #541402372	
29, March 1999				Hobbs #456.6 - TT #456.6 - Removed Engine IO-360- A3B6 - SN L-26839 - J1A as per Textron Lycoming Instructions - ETT #456.6 * G. Bolon ACP #541402372	

[illegible]

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 June 1999 - Hobb Time #456.6 - TT #456.6 - Installed Lyc IO-360-
 A3B6 - SN RL-26839 - J/A (Rebuilt) TT #. #. I/A/W Lyc & Mooney
 Service Manuals - Under supervision of Allen Newsham (TW) - Installed
 New Oil Cooler - Prop Governor & Prop Flashed by Maxwell A/c Service
 (see tags) WO# 1#3131 & 1#3139 - Grd Run Power & Leak Check OK
 Instrumentation Normal - See Win Air WO# 99-#6-#3*
 G. Bolon A/P 5414#2372



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

HOBBS-515.7

DATE: 8/20/99

COMPLETED ANNUAL INSPECTION. CLEANED, INSPECTED, AND
REPACKED WHEEL BEARINGS. CLEANED MAIN FUEL SCREEN.
REPLACED NOSE GEAR FWD BOX ASSY. RETORQUED NOSE
WHEEL STEERING PIVOT BOLT. REPLACED RIGHT BRAKE
LININGS AND OUTBOARD BACK PLATE. ADJUSTED RIGHT NOSE
GEAR TENSION. REPLACED ALL VACUUM SYSTEM FILTERS.
REGULATOR FILTER NEXT DUE 615.7 HRS. CENTRAL AND
SUCTION FILTERS NEXT DUE 1015.7 HRS. REPLACED RIGHT AND
LEFT MAIN GEAR RETRACT LINK BOLTS AND BUSHINGS.
REPLACED LEFT MAIN INBOARD GEAR DOOR BRACKET,
RESEALED RIGHT BRAKE CALIPER AND BLED BRAKES.
RESEALED RIGHT FUEL TANK PANEL UNDER FWD WING WALK.
INSTALLED NEW FWD WINGWALK. ADJUSTED MAIN AND
NOSEWHEEL DOORS. REPLACED LEFT FWD ENGINE BAFFLE.

cate Number of technician or Repair

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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REPLACED TAILPIPE HANGER. RUN-UP CHECK SATISFACTORY.
REFERENCE MODERN AERO W/O# 27786-1

DATE 20 Aug 99 TOTAL TIME 515.7
I CERTIFY THIS AIRCRAFT HAS BEEN
INSPECTED IN ACCORDANCE WITH A Annual
INSPECTION AND WAS DETERMINED TO BE
IN AIRWORTHY CONDITION.
FOR DETAILS SEE W/O 27786

AUTHORIZED SIGNATURE James R. Bickley
MODERN AERO, INC., EDEN PRAIRIE, MN
FAA APPROVED REPAIR STATION MZER 198L

28 November 1999 - Hobbs #583.2 - Replaced Right Taxi Light GE 4036 -
Replaced Both Recognition Light - Ops Checks OK - See Win Air-
WO # 99-11-58 -

Bob ADP 54142372

DATE _____ Description of Inspections Tests Repairs and Alterations

date Number of Technician or Repair



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

HOBBS-583.8

DATE: 11/12/99

REPLACED IGNITION SWITCH WITH NEW. P/N 940099-501
OPERATIONAL CHECK SATISFACTORY. REFERENCE MODERN
AERO W.O. 28066 *Shy R. Buckley*

22, November 1999 - Hobbs 598.9 - Trouble Shot Gear Warning
System & Adjusted Microswitch. *

Kent Swogger A+P 508800065

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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24,	November 1999 -	Hobbs 603.2 -	Replaced Rt. Landing Light with GE4596. *	Hunt Hwozgn ATP 508800015
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MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

HOBBS:621.1

DATE: 12/21/99

REPLACED RIGHT-HAND ENGINE COWL DOOR P/N 650197-502
WITH NEW AND PAINTED. REPLACED TWO UPPER ENGINE COWL
FASTENERS WITH P/N S3275C1075. REFERENCE MODERN AERO
W/O# 28186-1

Richard Mcl

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.)
30, June 2000				Hobbs 737.6 - Removed Wiring From Alternator Which Was Done I/A/W Applicable Mooney M20J - S/N 24-3393 Wiring Schematic - Rewired I/A/W Specific Verbal Instruction From Mooney Rep. Bill Wheat. Kent Sawyer A+P 508800015
17, July 2000				Hobbs #748.7 - Removed Cowl Flip Motor, Model # 388888. SN 9502M - For Overhaul - Fixed Cowl Flip in Closed Position per Owners Directions - See Win Air WO # 00-07-17 + G. Bolan A+P 541402372

DATE
2000
30

AUGUST

DATE 2000	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Descripti Entries mus Facility. (Se
AUGUST	24, 2000	H.M. = 766.7		PERFORM.
	TEST.	LEAK TESTED		OK.
AD 93-14-03 HAS BEEN COMPLIED				
I CERTIFY THAT THE ALTIMETER REQUIRED BY FAR 91.411 HAVE BEEN ACCORDANCE WITH FAR 43 APPX. E				
1. Static System per Para. (a)				
2. L. Altimeter per Para. (b) to 20 00				
3. R. Altimeter per Para. (b) to 8 00				
4. Integrated System per Para. (c)				
5. Item No. 1 Tested by G				
G-Force Aviation, Inc. - CRS# G25R235Y				
THE TRANSPON HAS BEEN PER REQUIREMENTS OF FAR 43 APPENDIX "F" AND APPENDIX "E", PAR. C. IF APPLICABLE				
TXP MAKE KIVL MODEL KT-764				
SERIAL NO. 108463 TSO C74				
G-FORCE AVIATION, INC. G25R235Y				
DATE 8-24-00 SIGNED Dale Haul				

Work Order Number: R2963 Date: 08-24-2000
 Make: UNITED Model: 5934PA-3 S/N: 2K215

Altitude Encoder Tolerance ± 125 ft.

Altitude	Error	Altitude	Error	Altitude	Error	Altitude	Error
-1,000	-0-	2,000	-25	10,000	-60	20,000	-95
-0-	-15	3,000	-20	12,000	-60	22,000	
500	-5	4,000	-15	14,000	-60	25,000	
1,000	-20	6,000	-15	16,000	-80	30,000	
1,500	-0-	8,000	-40	18,000	-90	35,000	

Technician: GEORGE HEDGECOCK Inspector: Dale Haul

Repair Station

G-FORCE AVIATION, INC.

AKRON-CANTON AIRPORT
NORTH CANTON, OH 44720

(330) 499-9790

FAA CRS #G25R235Y

Form AC 100

Signed Dale Haul for

G-Force Aviation, Inc.
Akron/Canton Regional Airport

Building #17
North Canton, Ohio 44720

FAA Repair Sta. G25R235Y

DATE LOAD #	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Descripti Entries mus Facility. (Se
AUGUST 24, 2000	HM=766.7	PERFORMED STATIC, ALTIMETER, TRANSPONDER, ENCODER TEST. LEAK TESTED OK. IFR RE-CERTIFIED TO 20000 FEET.		
AD 93-14-03 HAS BEEN COMPLIED WITH ACCORDING TO MOD. 7 BY PARTIES UNKNOWN.				
I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED FOUND TO BE IN ACCORDANCE WITH FAR 43 APPX. E (PARA NOTED)				
1. Static System per Para. (a)				
2. L. Altimeter per Para. (b) to <u>20</u> 000 FL S/N <u>2K 215</u>				
3. R. Altimeter per Para. (b) to <u>X</u> 000 FL S/N <u>X</u>				
4. Integrated System per Para. (c)				
5. Item No. <u>1</u> Tested by <u>Dale Haul</u> Date: <u>8-24-00</u>				
G-Force Aviation, Inc. - CRS# G25R235Y				
THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO MEET THE REQUIREMENTS OF FAR 43 APPENDIX "F" AND APPENDIX "E", PAR. C IF APPLICABLE				
TXP MAKE <u>KING</u> MODEL <u>KT-76A</u>				
SERIAL NO. <u>108463</u> TSO <u>C74</u>				
G-FORCE AVIATION, INC. G25R235Y				
DATE <u>8-24-00</u> SIGNED <u>Dale Haul</u>				

MAINTENANCE RELEASE

The aircraft and/or component identified
above was repaired and inspected in
accordance with current Federal Aviation
Regulations and is approved for return to
service.

Pertinent details of the repair are on file at
this agency under work order:

No. R2963 Date 8-24-00

Signed Dale Haul for

G-Force Aviation, Inc.
Akron/Canton Regional Airport
Building #17
North Canton, Ohio 44720
FAA Repair Sta. G25R235Y

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.)
8/25/00	Hobbs	7667		Performed an Annual inspection. Wheel bearings were cleaned, inspected and repacked. Replaced the right main tire, tube and brake disc. Replaced the left main brake linings. The gear was lubed. Advised the landing gear down lock preloads. Performed gear retraction and emergency extension test. The battery was removed, serviced and charged. Performed an electrical check. Replaced the central and vacuum filters. Replaced the left wing tip assembly with a new assembly P/N 210382-905. Replaced the wing tip fence and the trailing flap lens. Removed the left aileron. Deskinning the aileron and replaced the rear aileron spar P/N 230015-035. Installed new skins P/N 230015-011 and -013 using the existing rivet patterns. Replaced one static wick assembly. Continued →

[illegible]

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.)
14,	March	2001	- Hobbs 828.2	- Replaced Tail Pipe Shock Mount P/N 630118-001. Cleaned Contacts on Bowl Flap Motor Plug. Replaced Nose Tire 5.00x5 6ply Michelin Air & Repacked Nose Wheel Bearings. Adjusted Microswitch Stops for Down Position on Both Speed Brakes. Ground Run & Functional Test OK *. Kurt Swogger A+P 508800015
27,	March	2001	- Hobbs 883.2	- Replaced Left Landing Lite Bulb GB 4596 - Functional Check OK * Kurt Swogger A+P 508800015

DATE

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TAG
TIM

MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

HOBBS:967.1

DATE: 9/4/01

COMPLETED ANNUAL INSPECTION THIS DATE. REPACKED WHEEL BEARINGS. SERVICED BATTERY. SERVICED BRAKE RESERVOIR. TESTED ELT PER FAR 91.207(D). BATTERY DUE FOR REPLACEMENT 10/02. STATIC AND TRANSPONDER TESTS DUE 8/02. INSTALLED NEW BULB IN LEFT REAR NAV LIGHT. INSTALLED NEW O-RINGS ON LEFT AND RIGHT FUEL CAPS. RESEALED NUMEROUS RIVETS ON RIGHT FUEL TANK. COMPLIED WITH AD 85-24-03 (FUEL TANK SEALANT) BY CHECKING TO MAKE SURE THAT THE TANKS HOLES ARE OPEN. AD DUE AGAIN THE NEXT TIME THE TANKS ARE RESEALED. ADJUSTED AILERON RIGGING PER MAINTENANCE MANUAL. ADJUSTED GEAR DOWN LIMIT STOP. INSTALLED NEW GOODYEAR FLIGHT CUSTOM II TIRE ON LEFT WHEEL. INSTALLED NEW VUCUUM REGULATOR FILTER.

ins
of Technician or Repair

DA

19

CONT. NEXT PAGE.



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

ADJUSTED RIGHT NOSE GEAR TENSION PER MAINTENANCE MANUAL. ADJUSTED RUDDER TRAVELS AND NEUTRAL POSITION AS REQUIRED. INSTALLED NEW BRAKE LININGS ON RIGHT BRAKE. CHECKED BALANCE ON LEFT AILERON, FOUND TO BE WITHIN LIMITS. COMPLIED WITH MOONEY SB M20-276 (OVERHEAD PANEL) BY INSTALLING PROTECTIVE COVERING. AD 84-26-02 (INDUCTION AIR FILTER) PREVIOUSLY COMPLIED WITH ON 8-25-01 BY G-FORCE AVIATION W/O # M2973. AD DUE AGAIN AT 1266.7 OR CONDITION. RUN-UP OPERATIONAL AND LEAK CHECK OK. REFERENCE MODERN AERO W/O # 30140.

Alterations

te Number of Technician or Repair

DATE	TOTAL TIME	HAS BEEN
9/4/01	96.71	ANNUAL
I CERTIFY THIS AIRCRAFT		
INSPECTED IN ACCORDANCE WITH AD 84-26-02		
INSPECTION AND WAS DETERMINED TO BE		
IN AIRWORTHY CONDITION.		
FOR DETAILS SEE W/O 30140		
AUTHORIZED SIGNATURE: <i>[Signature]</i>		
MODERN AERO, INC., EDEN PRAIRIE, MN		
FAA APPROVED REPAIR STATION MZER 198L		

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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MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

DATE: 9/4/01

HOBBS: 967

RECOGNITION LIGHTS DISABLED DUE TO DEFECTIVE RESISTOR.
IN RIGHT WING. PLACARDED INSTRUMENT PANEL. REFERENCE
MODERN AERO W/O# 30140

Jon Kutaspe

DATE 19__	R T T
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DATE

19__

RECORDING
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

12/31/01 Hobbs. 1059.2

Installed a new Vac-pump. P/N 211CC
and installed a overhauled KG 258
Horizon Gyro and installed a new ignition
switch 10-357210-1. Test ran airplane
and is in working order.



A/P 5329/8948

DATE 2/2/62	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.)
25, January 2/2/62				Hobbs 1479.4 - Removed Engine IO-360 A3B6 - SN RL-26839 - J7A as per Textron Lycoming Instructions. ETT 4622.8 - W/O A: - WO# 42-43-28 - G Bolon ACP 54142372
28, March 2/2/62				Hobbs Time 1479.4 - A/C TT 1479.4 - Installed Lyc. IO-360 A3B6 - SN RL-23316 - J7A - Installation Included OVH Prop Governor & Inspected Propeller (Maxwell A/C WO# 146593 & 14694) Oil Cooler Flush & X Ray (Southwest Coolers WO# 244241 -204) - Work accomplished under the supervision of Lycoming Tech. Rep Allen Neustel - Replaced Right Vertical Engine Mount Truss & See FAA 337 This Date - Ground Run, Power, Operational

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.)
6 #2-#3-23*				Check Checks Normal - Instrumentation Normal - See Win Air wo* C Bolton ATP 5414/2372
30,				March 2002 - Hobs 1080.3 - Removed Inop Tac. Generator P/N 0400-004 S/N Partially Obscured A014-- → Installed Overhauled Tac. Generator P/N 0400-004, S/N A01281. Ground Run + Operational Check OK* Kent Swogger ATP 508800015
13,				April 2002 - Hobs 1095.3 - Replaced #4 cyl. CHT Probe P/N TAS2144-K + Installed Original Tanis Sump Pad* Kent Swogger ATP 508800015

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.)

DATE
19____

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

23, April 2002 - Hobbs 1095.3 - Replaced Left Magneto
Harness - Slick P/N 67P20413. Ground Run + Operational
Check OK. * Rust Swaggy ATP 508800015



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L
N1083L

DATE: 9/30/02

HOBBS: 1187

INSPECTED PREVIOUSLY INSTALLED ROSEN SUN VISORS PER STC
SA00071SE AND INSTALLATION DRAWING RMY-100-400-1. FOUND
TO BE OK. NO CHANGE TO AIRCRAFT WEIGHT AND BALANCE. SEE
337 FORM THIS DATE. REFERENCE MODERN AERO W/O# 31257

MAKE Mooney MODEL M20J S# 24-3393

THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED
IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE
FEDERAL AVIATION ADMINISTRATION AND IS AIRWORTHY WITH
RESPECT TO THE WORK PERFORMED FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY
UNDER WORK ORDER # 31257

AUTHORIZED SIGNATURE

DATE 9/30/02

TOTAL TIME 1187

MODERN AERO, INC., EDEN PRAIRIE, MN
FAA APPROVED REPAIR STATION: MZER 198L

Alterations

ite Number of Technician or Repair

DATE <u>9/30/02</u>	TOTAL TIME <u>1187</u>	HAS BEEN
I CERTIFY THIS <u>REPAIR</u>		
INSPECTED IN ACCORDANCE WITH AM		
INSPECTION AND WAS DETERMINED TO BE		
IN AIRWORTHY CONDITION.		
FOR DETAILS SEE W/O		
AUTHORIZED SIGNATURE		
MODERN AERO, INC., EDEN PRAIRIE, MN		
FAA APPROVED REPAIR STATION MZER 198L		



14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L
N1083L
DATE: 9/30/02

HOBBS: 1187
ACTT: 1187

COMPLETED ANNUAL INSPECTION THIS DATE. REPACKED WHEEL BEARINGS. SERVICED BATTERY. CLEANED MAIN FUEL SCREEN. INSTALLED NEW ELT BATTERY. TESTED ELT PER FAR 91.207(D). ELT BATTERY DUE FOR REPLACEMENT 11/04. STATIC AND TRANSPONDER CHECK DUE 9/04. ADJUSTED VACUUM TO 5.0" Hg. INSTALLED NEW VACUUM REGULATOR FILTER. INSTALLED NEW BRAKE PADS. INSTALLED NEW BRAKE DISC ON LEFT MAIN WHEEL. INSTALLED NEW RESISTOR ON RIGHT WING FOR RECOGNITION LIGHTS. INSTALLED NEW JANCO IGNITION SWITCH. COMPLIED WITH AD 84-26-02 (INDUCTION AIR FILTER) BY INSTALLING NEW FILTER. AD DUE AGAIN AT 1687 HOBBS OR CONDITION. RUN-UP OPERATIONAL AND LEAK CHECK OK. REFERENCE MODERN AERO W/O# 31257.

DATE
19

OUR LOGBOOK
AND ATTACH

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



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

N1083L

DATE: 9/30/02

HOBBS: 1187

OR
OVERHAULED

REMOVED ALTIMETER P/N 5934PA-3A S/N 2K2215. INSTALLED ~~NEW~~
ALTIMETER P/N 5934PA-3A S/N 401397. SYSTEM LEAK CHECKED BY
AVIONICS OF MODERN AERO. REFERENCE MODERN AERO W/O#
31257

Jon Futaspe

ICE



Avionics of
MODERN AERO, INC.
 14801 PIONEER TRAIL
 EDEN PRAIRIE, MN 55347
 952-941-2595

FAA APPROVED REPAIR STATION ~~NEED LOG~~

NI083L

DATE: 09/30/2002

HOBBS: 1187.6

I CERTIFY THAT THE ALTIMETER, STATIC SYSTEM,
 TRANSPONDER, AND ALTITUDE REPORTER TESTS REQUIRED BY
 FARs 91.411, 91.413, AND 91.217 HAVE BEEN PERFORMED AND
 FOUND TO BE WITHIN LIMITS OF FAR 43 APPENDICES E & F.
 TESTED TO 20,000 FEET.

ALTIMETER MODEL NUMBER:	5934PA-3A	S/N 401397
TRANSPONDER MODEL NUMBER	KT76A	S/N 108463
ALTITUDE REPORTER MODEL:	AT3000	S/N 20723
AVIONICS OF MODERN AERO, INC	EDEN PRAIRIE, MN 55347	
CRS05VR353Y <i>Frank Ward</i>	W/O# 2636	

DATE

19

8-26-96

DATE	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
8-26-96	93-02-05	5.8	Fuel Line Inspection



BYERLY AVIATION, INC.
GREATER PEORIA AIRPORT
PEORIA, IL 61607
(309) 697-6300 Fax # 309-697-2779



10-14-02

N 1083L

SIN 24-3393

Hobbs 1194.8 hr.

RTR Voltage regulator with repaired SIN 0238. operational
check OK. End. Richard Wolbertson ROER 548C

