

PAINT COLOR INFORMATION

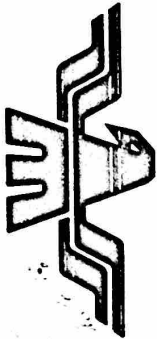
N 9146 Q SN 24-3384

TOP COLOR Reddy white COLOR NO. WP 696 MFG Pish

ACCENT COLOR Gold metal COLOR NO. H8066V MFG Dunport

STRIPES Gold metal COLOR NO. H8066V MFG Dunport

BOTTOM WING Claret COLOR NO. WS 550 MFG Pish



MOONEY AIRCRAFT CORPORATION
LOUIS SCHREINER FIELD
KERRVILLE, TEXAS 78028

Aircraft Record General Information

#1

Manufacturer Mooney Aircraft Corp. Model M20J Registration Number N9146Q

Serial 24-3384 Date of Manufacture 1996

Engine(s) currently installed: IO-360-A3B6 Serial L-26806-51A

Manufacturer Lycoming Model IO-360-A3B6 Serial L-26806-51A

Manufacturer McCauley Model IO-360-A3B6 Serial L-26806-51A

Propeller(s) currently installed: McCauley Model IO-360-A3B6 Serial L-26806-51A

Manufacturer McCauley Model IO-360-A3B6 Serial L-26806-51A

HUB Model B2D34C214 Serial 951461 Serial PB-233 Serial PB-224 Serial PB-224 Serial PB-233 Serial PB-224

Blade Model 90DHB-16E Serial 951461 Serial PB-233 Serial PB-224 Serial PB-224 Serial PB-233 Serial PB-224

Blade Model 90DHB-16E Serial 951461 Serial PB-233 Serial PB-224 Serial PB-224 Serial PB-233 Serial PB-224

Registered Owner Record

Name CHOTA AIRTAC Address FAULKNER To _____
 City WACO State TX From 04/01/2013
 Name _____ Address _____ To _____
 City _____ State _____ From _____ To _____
 Name _____ Address _____ To _____
 City _____ State _____ From _____ To _____
 Name _____ Address _____ To _____
 City _____ State _____ From _____ To _____

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Notes

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.


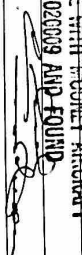
Dynamic balancing is not required but smoother operation will result when the engine & propeller are balanced as an integral unit.

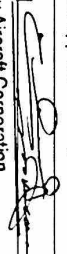
Propellers that have been dynamically balanced require special consideration when any maintenance is to be done on the engine or propeller. There are balance weights bolted to the spinner bulkhead and these may require removal, depending upon the maintenance action being done. If the propeller is replaced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

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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 24				
May 6			5.0	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY.  1022224
May 17			6.0	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY.  FOR FAA ACO ASW 150

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 24				
May 17			6.0	The GPS Navigation System, Make KING Model KM-898 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 Mooney Aircraft Corporation

DATE 19__	RECORDING 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)
5-17-96			6.0	Complied with AD 93-02-05 by inspecting fuel lines, hoses and clamps per bypassing SB No. 342A. MOONEY AIRCRAFT CORP. TC2A3 By <u>Paul G. Stahl</u>

DATE 19__	RECORDING 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 A T C Transponder Tests required by FAR 91.413 have been performed. MOONEY AIRCRAFT CORP. TC 2A3 By <u>Paul G. Stahl</u>
				I certify that the preceding altimeter tests required by FAR 91.417(b) have been performed. MOONEY AIRCRAFT CORP. TC 2A3 By <u>Paul G. Stahl</u>
				"I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) (Special) Airworthiness-Certificate Dated <u>5/20/96</u> . The next Annual Inspection is due <u>5/20/97</u> ." SIGNED: <u>Paul G. Stahl</u> 449E 046654

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.)



Kevin M. Hill
FAA Repair Station #AMMYR171C

Phone: (913) 782-0530
CRS: AMMYR171C


Airframe Log
N9146Q, S/N M20124-3384
June 18, 1996

Date: 6-18-96 Work Order # A5113
Hobbs Time 14.7 Total Time 14.7

Removed tachometer generator, P/N 880053-501, S/N A01396. Installed new tachometer generator, P/N 890053-501, S/N A01409. Operationally checked OK.

I certify that this repair/installation has been inspected and determined to be in an airworthy condition.
Signed  for
Kansas City Aviation Center, Inc.
151st and Pflumm Road
Olathe, Kansas 66051
FAA Repair Station #AMMYR171C

0 ASA 11

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.)
6-25-96	29.8		29.8	CHANGED OIL SHELL 40 WT. MUREAL OIL CHANGED CHYBILIO FILTER, INSPECT FILTER O.B. OK. LUBE FLIGHT CONTROLS APPROX 205 lbs  Pass Time Aviation 2400 RICEBENDER WAY ALBURN, CA 95622
12/2/96	181.9		181.9	Annual inspection completed this date. Performed a landing gear retraction test in normal and emergency modes. Lubricated landing gear pivot points and retraction rod knee bearings. Checked Flight control rigging and lubricated airframe

0 ASA 1993

DATE 19 26	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.)
12/12	(continued)			Swung compass. Inspected airframe for corrosion, none present. Inspected all electrical components. C/w SB H20-229B on fuel cap o-rings by replacement of o-rings. C/w SB H20-59 by removal of fuel cap hangers. Replaced glass shield valve. Replaced rivet on glass shield frame. Replaced missing buttons on control yokes. Added friction washer to poplar control. Serviced brake reservoir. Replaced vacuum regulator gages filter. Replaced flap down placard.

DATE 19 26	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.)
12/12	(continued)			Levelled turn coordinator and HSI. GPS navigational check good. Verified GPS annunciator to allow back course engagement when GPS is in active mode. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition this date. 12/12/16 <i>Mooney</i> CRSTURBROK 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)
3-13-97	2178	COMPLETED WITH MILEAGE SPECIAL LETTER 97-1, PRECISE ELBHI SR 4610-001		
				REINSTALLED ROLL PINS IN WORK DRIVE GEARS FOR SPEEDBRAKE UNITS SIN 4685 & SIN 4671
				REINSTALLED AND OPERATIONALY TESTED PER SB INSTRUCTIONS. <i>Ray A. Snyder</i> CTS DY4R034 NO # 11771 END

DATE	RECORDING TACH TIME	Hours	TEST PI (FI)	IND	TEST PI (FI)	IND	TEST PI (FI)	IND
1-13			-1000	-990	6000	5980	22000	
			0	10	8000	7970	25000	
			500	480	10000	9955	35000	
			1000	990	12000	11965	40000	
			1500	1470	14000	13440	45000	
			2000	1990	16000	15950	50000	
			3000	2985	18000	17945		
			4000	3970	20000	19930		

ALLIMETER SCALE ERROR
 CUSTOMER: M4c Solo Dept
 # 91460
 ALLIMETER TYPE: *Used 5931 24-3 5/16 4 RWH*
 DATE: 1-13-98

TEST PI (FI) IND TEST PI (FI) IND TEST PI (FI) IND
 1000 990 6000 5980 22000
 2000 1990 12000 11965 40000
 3000 2985 18000 17945
 4000 3970 20000 19930

Signature of the Inspector on file at the C-R-S: *[Signature]*
 Date: 1-13-98
 Signature: *[Signature]*
 Signature Revision Company: *[Signature]* **W4** **W4** **W4**
 Number, Indiana 47308

GASA 1993

DATE	RECORDING TACH TIME	FLIGHT	TIME IN SERVICE
19 <u>98</u>			
1-13	Hours	330.7	

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 the altimeter/static system, transponder, and encoder have been tested as required by FAR 91.217, 91.411, and 91.413. Units were found to comply with the limits set in FAR 43, Appendices E & F and AC43.6A to 20k ft.

Altimeter # 1: Mfg United P/N 5934PA-3 S/N 4K41Z
 Altimeter # 2: Mfg N/A P/N N/A S/N N/A
 Encoder # 1: Mfg Terra Model AT3000 S/N 19859
 Encoder # 2: Mfg N/A Model N/A S/N N/A
 Trans # 1: Mfg King Model KT76A-00 S/N 107338
 Trans # 2: Mfg N/A Model N/A S/N N/A

Details of the inspection are on file at the C.R.S. under X.O. No. 1265 Date 1-13-98 Signature [Signature]

[Signature]
 Muncie Aviation Company Muncie, Indiana 47308

DATE 19__
RECORDING
TACH TIME

*****MUNCIE AVIATION CO. CRSA AVRI33C*****

N9146Q Date 1-13-98 Tach & ACTT 3302 Hrs.
Annual Inspection completed this date per Mooney Inspection guide.
Checked ELT per FAR 91.207d, OK
Complished with AD 93-02-05 by inspection ref LSR 342A of injector lines
AD 84-26-02 air filter Due 500 ACTT Hrs
Ground check and Run Up OK

See AD list for details.
FR Certification Due 1-20
ELT Battery due 6-98

CASA 1933

I certify that this aircraft has been inspected in accordance with a limited inspection and was determined to be in airworthy condition.
Repair Station No. AVRI33C
Make Mooney Reg. No. 24-3384
Model 21-205 Reg. Mark N9146Q
The aircraft / component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service. Return details of the repair are on file at the Agency.
Work Order No. 1813 Date 1-13-98
Signed [Signature] Inspector for MUNCIE AVIATION CO. CRSA AVRI33C
MUNCIE, IN 47308 765-289-7141

MANUFACTURER RELEASE CERTIFICATE

Insight

DATE 19__
REC TIME
D.O.T. Approval No. 42-90
Product Name: 6ETH
Part No.: 1241
Software Level: 602D
Manufacturer: INSIGHT
Serial No.: 10029
Mod.: T
THE AERONAUTICAL PRODUCT DESCRIBED HEREON CONFORMS TO APPROVED TYPE DESIGN DATA AND IS IN A CONDITION FOR SAFE OPERATION.
AUTORIZED INSPECTOR [Signature] DATE 17/98
FOR D.O.T. USE
APPROVED FOR EXPORT
D.O.T. AIRWORTHINESS REPRESENTATIVE
DATE


APPROVED FOR EXPORT
D.O.T. AIRWORTHINESS REPRESENTATIVE
DATE
E. J. ...
MUNCIE, IN 47308 765-289-7141



CASA 1933

Installed Insight Graphic Engine Monitor GEM602
EGT/CHT.

See 337 this date for details.
Weight and balance and equipment lists have been
revised. Hobbs 333.7

Make Mooney Ser. No. 24-3384
Model M20S Reg. Mark N7146Q

The aircraft has been inspected above was repaired and
inspected. The aircraft is in compliance with the
Federal Aviation Regulations of the
Department of Transportation and is found airworthy, and
is approved for flight operations. The work performed.
Period of validity of this certificate is the Agency.
WUP 000000 A1717 Date 4-8-98
Signed:  Inspector for
MUNICIPAL AVIATION CO. CHS# AVSR135C
MUNCIE, IN. 47308 765-289-7141

DATE	RECORDING TAGN TIME	TODAY'S FLIGHT TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations	DATE
19__			<p>Entires must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)</p> <p>  ATLANTIC AERO Serving the World Through Aviation PO Box 35408, Greensboro NC 27425 </p> <p> Reg #: N0146Q Model: M-20J Serial #: 24-3384 Work Order: SS624 PO Box 35408, Greensboro NC 27425 Date: 10/1/98 Tech/Huber: 384 Total Time: 384 Landings: n/a </p> <p>Removed and replaced voltage regulator. Ops checked system. Ops checked good.</p> <p>The items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number</p> <p>*****END*****</p> <p>Signed:  for Atlantic Aero, Inc. EMGR752D</p>	

1-21-99 hobbs 402.8 ACTT 402.8 91460
24-3384

Inspected aircraft in accordance with appendix D of part 43-AD, S checked through 99-1 complied with AD84-26-02 paper induction air filter replacement new part installed 125997-010 next replacement due on condition or 902.8 ACTT W/C/F- calibration of fuel quantity checked-adjusted right calibration for proper indication--resealed fuel panel screw under forward wing walk area replaced forward wing walk material, replaced right hand outboard landing light-replaced three static wicks 10-900-60 replaced ELR battery next expiration date June 9-2002 complied with FAR91.207d- replaced brake lings 066-10500- I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Steve Mooney 489507862A&P

Steve Mooney

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
01/31/99				Removed K5179 SLN H334 trim and caused fuselage and repaired. Reinstalled Repaired fuselage and new w/10 goddard 44R propeller <i>[Signature]</i>

McKinney Exec Air - 1500 E. Industrial Blvd., McKinney, TX 75069, (972) 562-5555
 Reg #: N9146Q Make: M20J HOBBS: 4942
 Date: 09/02/99 Serial #: 24-3384 TTSN: 4942
 REMOVED FACTORY PAPER INDUCTION AIR FILTER & BRACKET ASSY - & REPLACED W/
 BRACKET P/N BA-6310 ASSY, & BRACKET P/N BA-6205 ELEMENT P/N AW STCA SAVICL LIST NO. 1
 INSTALLATION INSTRUCTIONS DATED 12-3-79 (SEE 33)

[Signature]
 D. LYND PYHART A&P 4654584871A

DATE	RECORDING TACH TIME	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2-3-00	518.5		

DATE 2-3-00
Tach 518.5

PIPPEN-YORK FLYING-MACHINE COMPANY
 FREDERICKSBURG, TX 78624 FAA CRS. FVZR37K
 TO BE REPAIRED
 Cust Name: Dugosl M/C Cont. P/N 830-257-7230
 ACN#: Republics ACN#
 Equip / M/A: ST76A S/N 1073318
 Serial: AD Update mid 7
 M/R: M/R
 J: Repair diag gear
check all
28115
W.A.D.

[Signature]
 Tire with a 600-6, bolt, cowder, A.D. 95-24-11, W/A, has
 new links installed. A.D. 97-26-08 was P/C/W, fuel cow
 brackets were removed. No movement. I.E. M20-104 landing gear.
 Light bulb rotation from horizontal to vertical. Replaced
 right landing light bulb P/N GE-4596. Replaced under seat
 wick P/N 10-900-6011. Lubricated all flight controls and
 landing gear moving parts. Inspected interior and exterior.
 continued

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be endorsed with name of Facility. (See back pages for other specific entries.)
19 2000	5/8.5	—	5/8.5	<p>1/2 a Annual Inspection. Tacked aircraft, checked landing gear rigging and down lock pre load. Cleaned and repacked all wheel bearings. Replaced one nose wheel bearing PN 08115 and cap PN 08231. Cleaned and inspected fuel screen. 1/2 A.D. 85-24-03 part 3, changed fuel cap orings. Replaced right main tire with a 600-6, boly conolor. A.D. 98-24-11, W/A, has new links installed. A.D. 97-26-08 was pl/c/w, fuel cap handvards were removed. 1/2 moonney F.I. M20-104, landing/taxi light bulb rotation from horizontal to vertical. Replaced right landing light bulb PN GE-4596. Replaced rudder static wick PN 10-900-6011. Lubricated all flight controls and landing gear moving parts. Inspected interior and exterior</p> <p style="text-align: right;">CONTINUED</p>

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.)
				<i>continued</i>
				<i>of wings, fuselage, and empennage. In P. O. Box 931, Merrillville, Texas 78028</i>
				<i> Allied Signal Transponder was installed.</i>
				<i>AD'S CHECKED THRU 00-01 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A PLANNED INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</i>
				<i>DATE 2-3-00 TTTN SERVICE 578.5</i>
				<i>PI: P. O. BOX 931 MERRILLVILLE, TEXAS 78028</i>
				<i>NUMBER 55412888 FH</i>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations	or Repair
				I certify that the ATC Transponder tests and inspections required by FAR 91.413 and the Static System tests and inspections required by FAR 91.411 have been performed in accordance with FAR 43 Appendix E&F. Details are on file under Work Order No. <u>2204</u> Transponder Make/Kit <u>Telex</u> S/N <u>107338</u> Encoder Make/Telex <u>Telex</u> S/N <u>19859</u> CRS E4BR283Y Date <u>2-4-00</u> Signed <i>[Signature]</i>	

CASA 1593

ARTEX
ARTEX AIRCRAFT SUPPLIES, INC.
1250 S. W. 10th St., Ft. Lauderdale, FL 33304
(561) 552-2121

LOG BOOK ENTRY
2-01-01
E.L.T. BATTERY REPLACEMENT DATE
March 03

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.)
02-01-01	589.6		589.6	<p>Per a Annual Inspection. Checked Aircraft checked landing gear rigging and down lock overload. Lubricated all flight controls and landing gear moving parts. Checked and inspected fuel system. Cleared and replaced wheel bearings. Replaced nose bearing PN 08125 and caplin 08231. Installed new 600-c. 6ply Coupler hot milk tire. V/A. D. 85-24-03 part 3, replaced fuel cap covers. Inspected interior and exterior of wings, fuselage and empennage. Installed Air/oil separator model 300 per N-20 a-1 separators LLC Div. #304, see 337 this date.</p> <p>V/A money \$ 3. N 20-276, overhead tubular structure modification, serviced Aircraft battery. Replaced</p>

CON'T. W/ next →

CASA 1593

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.)
				<p>CON'T. W/ next →</p>
				<p>Dugosh Aircraft Serv. Co., Inc. P O. BOX 931 PHONE 257-7230 KERRVILLE MUNICIPAL AIRPORT KERRVILLE, TEXAS 78028</p> <p>DATE 2-01-01 T1 IN SERVICE 589.6 AD'S CHECKED THRU 01-01 T CENTER TAA THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Basic</u> INSPECTION AND DETERMINED TO BE IN <u>PERFECT</u> CONDITION. STANDARD: <u>454370443 IAA</u> NUMBER: <u>454370443 IAA</u></p>
4-26-01	607.1		607.1	<p>Installed new cowlflap motor PN M409M498. Function Test checked O.K. David B. Bohannan 454370443 HEP</p>

CASA 1593

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AIRPLANE
N9146Q Tach: 631.8
25 August 2001 Replaced right wing tip strobe element, Wholen A650.

Thomas H. Priddy

 Air Maintenance, Inc.
 339 CR 767
 Russ Pumprey NPI 6066921A

McKinney Exec Air - 1500 E. Industrial Blvd., McKinney, TX 75069, (972)562-5555
 Reg #: N9146Q Mark: M20J HOBBS: 642.9
 Date: 12/19/01 Serial #: 24-3384 TFSN:
 SERVICED, CHECKED & INSTALLED NEW A/C BATTERY PIN (213, SN G0200422)
Thomas H. Priddy
 THOMAS H. PRIDDY A81P524025104

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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3-4-02 656.8
 Completed with an annual inspection, checked
 AIRCRAFT. Inspected landing gear & wheel assemblies,
 bleed system. Checked hydraulic gear struts
 and fuel and measured mainline gear pitch travel
 check in both manual and emergency mode. Lubed
 landing gear pin flight control mainline parts,
 checked control tower. Serviced and checked battery
 checked alternator, regulator filter #1 63-5-1. Replaced
 exhaust tail pipe for #1 63018-001. Installed new
 master #1 630045-503R. Installed new air filter
 #1 6A-6305. Chg P.O. 85-24-03 PIR. Replaced fuel
 #1 0-1-Rolls (Recard). Inspected interior and exterior
 CONTINUED

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.)
				<p><i>Continued</i></p> <p><i>of which, fuselage and empennage inspected and repaired by Aircraft Instrument Support Services, Inc. Serial number 755217, AD# 480082-400061 #480082-400061</i></p> <p> <small> WORKING WITH THE AIR FORCE THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE AIR FORCE INSPECTION PROGRAM TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE AIR FORCE NUMBER: <i>480082-400061</i> </small> </p> <p> <small> DATE 3-2-02 MAIN SERVICE 480082-400061 ABS CHECKED THIS DATE 03-03-02 WITH AIRCRAFT INSPECTION PROGRAM TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE AIR FORCE NUMBER: <i>480082-400061</i> </small> </p>

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.)
4-16-03	724.1	—	724.1	<p>I certify that the ATC Transponder tests and inspections required by FAR 91.413 and the Static System tests and inspections required by FAR 91.411 have been performed in accordance with FAR 43 Appendix E&F. Details are on file under Work Order No. 0323 CRS E4BR283Y Date 3-23-02 Signed <i>[Signature]</i></p> <p><i>C/W Annual Inspection per Mooney Airplane Co. 100-hour - Annual Inspection Guide. Stacked aircraft checked landing gear risings and down lock are good. Cleared and</i></p>

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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				
				<p>Continued from previous page</p> <p>repacked all wheel bearings. Churnaway \$ 8 M20-279, Inspected of Eaton and Avionic Products landing gear Actuators by installing Eaton 102000 landing gear \$ I. 102000-1-901 KIT P/N 1020M0DKIT-1, also installed NO-Back clutch springs P/N 102A53. Replaced all brake pads P/N 66-105. Replaced wing air filter P/N BA-6205. Bleed brake system with 5006A brake fluid. VDA-D-85-2403 part 3, replaced fuel pump bearings. New Due at 100 hrs. or Annual. Installed new E.L.T. part P/N 458-0130 exp. date 03-03. Installed cabin and baggage door key set P/N 37868. ADS CHECKED THRU 03-02. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>General</u> INSPECTION AND WAS DETERMINED TO BE IN <u>Good</u> CONDITION.</p> <p>SIGNED: <u>Philip E. Fellman</u> NUMBER: <u>75370427-144</u></p>

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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				
				<p>Make: MOONEY Registration: N9146Q Tach: 727.1 Total Hours: 0</p> <p>Removed and replaced ignition switch with new P/N: 228529, S/N: 390. Ops check good.</p> <p>Philip E. Fellman <i>PF</i> A & P: 472980839</p>

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DATE 19- RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations
 TACH FLIGHT TIME IN Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
 TIME SERVICE

FLITE ELECTRONICS, INC. 4786 AIRPORT PARKWAY ADDISON, TX 75001-3363 DG2R767K
 LOG ID# 801 17-October-2003 WOV# 106021 REF# 10602 Document# FL13 AC TT 752.3
 N9146Q S/N 24-3384 MOONEY M20J

Pg 1 / 2

**** ITEM # 10602-1 KAP-150 ****
 DISCREPANCY: KAP-150 disconnects.
 Model: KAP-150 Part#: 063-0031-03 Serial#: 32137
 ACTION: Checked aircraft, radio, and intercom. Connected ground power to aircraft. Checked switches and wiring associated with autopilot. No problem found. Removed autopilot computer for bench check. Ran computer on bench approximately 5 hours. Autopilot didn't disconnect. Reinstalled computer in aircraft. Autopilot system ramp checks normal. Performed flight check of autopilot. All functions flight check normal.
 **** ITEM # 10602-2 WW-64 ****
 DISCREPANCY: DME displays random numbers.
 Model: 066-1088-00 Part#: KH-64 Serial#: 28601
 ACTION: Removed DME from aircraft for bench check. Ran DME approximately 4 hours. No display problems found. Complete functional check of DME normal. Reinstalled in aircraft. DME ramp checks normal. System flight check normal during autopilot flight check.
 **** ITEM # 10602-3 KX-99A ****
 DISCREPANCY: Instal] COM handheld splitter.
 Model: KX-99A Part#: KX-99A Serial#: K573
 ACTION: Gained access to the #2 COM antenna coax. Installed coax connectors on coax to interface antenna adapter. Installed adapter next to co-axials mic jacks. Picked installed at antenna jack. Adapter ramp check normal.
 The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation

DATE 19- RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations
 TACH FLIGHT TIME IN Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
 TIME SERVICE Facility: (See back pages for other specific entries.)

FLITE ELECTRONICS, INC. 4786 AIRPORT PARKWAY ADDISON, TX 75001-3363 DG2R767K
 LOG ID# 801 17-October-2003 WOV# 106021 REF# 10602 Document# FL13 AC TT 752.3
 N9146Q S/N 24-3384 MOONEY M20J

Pg 2 / 2

Administration regulations and is hereby approved for return to service with respect to work performed.
 M. PLEDGER
 DG2R767K MARK PLEDGER
 Date 10-17-03

DATE: 19__ RECORDING 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 Repairman. (See back pages for other specific entries)

DUGOSH AIRCRAFT SERV. CO., INC
 2025 AIRPORT LOOP
 KERRVILLE, TX 78028

N9146Q S/W 24-3384 Hobbs 759.6
 12-05-2003
 1100 Mooney S18 m20-282-001, Inst
 Installed New Back Clutch Spring. OP OK
 Landing gear Test in normal electrical &
 emergency extension
 Ronnie Hansen
 48888101 ASD

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APPROVED NOV 1 2003
 203207-1
 Spring - No back

Signature of Repairman

DATE: 5/5/04 RECORDING 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 Repairman. (See back pages for other specific entries)

N 91468 FAR 91.411
 O.W.L. Fly, Inc. FAA CRS# OW7R981N
 28436 Bonn Mountain
 San Antonio, TX 78260
 I certify that the Altimeter and Altitude reporting equipment tests and inspections required by FAR 91.411 have been performed. I have found these systems to be in Airworthy condition. Pertinent details of this inspection are on file, under Repair Station, Work Order No. 1055. Aircraft Total Time Hobbs Rpm 5788.8
 Altimeter 1. P/N 5930524 S/N 416417 Automatic pressure reporting system was tested on 5/15/04
 Altimeter 2. P/N 1000 S/N 202960 Tested to 202960 feet on 5/15/04
 Form: PS-20-04

FAA CRS# OW7R981N
 Repairman Technician
 Chief Inspector

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DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
19	TACH	FLIGHT	TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
	TIME		SERVICE	

DATE: 5/5/04 O.V.L. Fly, Inc. FAA CRS# OW7R981N

N 91468 FAR 91.413 San Antonio, TX 78260
28436 Bonn Mountain

I certify that the ATC Transponder reporting equipment tests and inspections required by FAR 91.413 have been performed. I have found these systems to be in 100% Pertinent details of this inspection are filed under Repair Station, Work Order No. 1035. Aircraft Total Time 1988.8 Rpm. 298.8
Static System was tested on 5/5/04. Automatic pressure reporting system was tested on 5/5/04
Transponder 1 Model: 1K75102 S/N: 1098338 Tested on 5/5/04
Transponder 2 Model: 1030 S/N: 1030 Tested on 5/5/04

FAA CRS# OW7R981N Repairman Technician [Signature] Chief Inspector [Signature]

CASA 1993

DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
19	TACH	FLIGHT	TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
	TIME		SERVICE	

DATE: 5/11/04 228.7 — 228.2 2/1 Annual Inspection per Mercury Airplane CD

100 Hour - Annual Inspection Guide. Checked aircraft, checked landing gear rigging and down lock pinhead. Cleaned and repacked all wheel bearings. Inspected brake system. Cleaned and inspected fuel screen. Replaced all fuel line O-rings. P/N 1549513-338 and -010. Lubricated all flight controls and landing gear pivot points. Installed new Gills. He battery P/N G-243. Replaced wing air filter. Inspected internal and external of wings, fuselage and empennage. YU all A.D's S.E.L.E. A.D. 1st in back of This log book. Reinstalled. Total Coordinator After repaired by Aircraft Instrument

P/N 15495100-32 5/4/9661-219

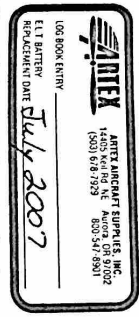
CASA 1993

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)
10-17-05	852.3	—	852.3	Support Services, Inc. W/O No. 405014 and Compass PAC 245044-V-24 SA 011014 W/O No. 405015. DATE 5-11-04 T.I. IN SERVICE. 728.2 A/S CHECKED THRU 04-09 (CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A MAINTENANCE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNATURE: <u>[Signature]</u> NUMBER: <u>AVD 28099216 I TH</u>
				ANNUAL INSPECTION PERFORMED
				LANDING GEAR RETRACTION, VERIFIED THAT OVERCENTER
				TORQUE IS TO SPECS AND ADJUSTED AS REQUIRED.
				OPS CHECK OF EMERGENCY LANDING GEAR EXTENSION

CONTINUED

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)
10-17-05	852.3	—	852.3	(ANNUAL INSPECTION CONTINUED FROM PREVIOUS PAGE) SYSTEM O.K. INSPECTED WHEEL BEARINGS AND BRAKE LINES, LUBRICATED ALL LANDING GEAR AND FLIGHT CONTROL HINGES, PNEUMATIC AND ROD ENDS. SERVICED BATTERY AND HYDRAULIC RESERVOIR AS REQUIRED. CLEANED AND INSPECTED CASCOLATER SCREEN. PERFORMED FAULTION TEST OF EIT TAW EAR 91207(D) ITEMS 1 THRU 4. REPLACED EAT BAT- TERY W/ ARTEX P/N 452-0130, EXP July 2007. REPLACED AIR FILTER WITH K & N FILTER ASSY. P/N CP1174 P/N # SA01669C11 AND CHALLENGER INSTALLATION INSTRUCTIONS, DOCUMENT # 0102 DATED 3-9-04 REV. C. W/T AND BALANCE NOT AFFECTED.

CONTINUED



0250

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DATE	RECORDING 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.)
1/17-05	852.3		852.3	(ANNUAL INSPECTION CONTINUED FROM PREVIOUS PAGE.) C/LU A.D. 85-24-03 PART B, REPAIR N439512-010 & -338 O-RINGS AT FUEL CAPS. REPAIR ASGAIN @ 952.3 HOURS/MENT ANNUAL. REPAIRED THE FOLLOWING PARTS: Lan. CONTROL 6.00-C. GARY TIRE & R/H MAIN LANDING GEAR Lan. SPECIAT TECH. 10-700-10 STATIC WICK @ TOP RS. OF RUDDER Lan. 950110-000 L.G. DOWN LIMIT SWITCH STOP
				INSPECTED INTERIOR & EXTERIOR OF WING, FUSELAGE AND EMERGENCY FOR DAMAGE AND GENERAL CONDITION AND FOUND TO BE AIRWORTHY.

DATE	RECORDING 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--	852.3		852.3	(ANNUAL INSPECTION CONTINUED FROM PREVIOUS PAGE.) DATE 10-17-05 11.1 IN SERVICE. 852.3 40-6 CHECKED THRU 205-05 FIFTH-THRU THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH A QUALITY INSPECTION AND WAS DETERMINED TO BE IN OPERATING CONDITION. SIGNED: <u>Deanne Kinn</u> NUMBER: <u>38091674</u>

CAS 1993 CAS 1993

DATE RECORDING TODAY'S TOTAL
19 TACH FLIGHT 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.)

FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DGZRT/67K
LOG ID# 1970 17-APRIL-2006 WO# 12843/1 REF# 12843 Document# FL13 AC TT 884.9
M9146Q S/N 24-3384 MOONEY M20J

10:31:06 919.6 919.6
ANNUAL INSPECTION PER MOONEY AIRPLANE CO.
100 Hour - Annual Inspection Guide, checked aircraft
checked landing gear rigging and down lock preheat.
checked and repacked all wheel bearings. Installed
New 500-5, 604 Condo max tire. Cleared and
inspected fuel screen. Installed new RT and LT
Main gear shock disc P/N 530021-000. Replaced RT.
landing light bulb P/N GE 4596. CALIFAR 91.107 per D
17th U. E. LT. Function tested + lubricated all flight
controls and landing gear pivot points. Inspected
interior and exterior of wings, fuselage, and empennage
on the following A.D. 85-24-03 part 3, change fuel case

***** ITEM # 12843-1, KX-165 *****
DISCREPANCY: KX-165 1 mod.
ACTION: Removed CDM # 1089-1023-25 Serial# 37405
input fuse F401 blown, replaced fuse. Replaced power supply circuits. Switching transistor Q402
cap. Current draw now normal. Complete functional check of NAV/COM normal. Reinstalled NAV/COM in
aircraft, system ramp check normal.
The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation
Administration regulations and is hereby approved for return to service with respect to work
performed.

DGZRT/67 JOHN PETERSON for Flite Electronics Date 4/16/06

Next Page → ASA 1993

DATE	RECORDING 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				
				<p><i>CONTINUED</i></p> <p><i>ADVIS: Cleared and Aided K in Filter</i></p> <p><i>INSPECTION WAS DETERMINED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS WITH CERTAIN EXCEPTED</i></p> <p><i>DATE: 10-31-06</i> <i>TIME IN SERVICE: 919.3</i></p> <p><i>ADS CHECKED THRU</i> <i>06-21</i> <i>1 CERTIFY THAT THIS</i> <i>MILITARY</i> <i>HAS BEEN INSPECTED IN ACCORDANCE WITH A</i> <i>QUALITY</i> <i>INSPECTION AND WAS DETERMINED TO BE</i> <i>FIT FOR SERVICE.</i></p> <p><i>SIGNED: [Signature]</i></p> <p><i>NUMBER: 280592 & 348</i></p>

04511390

AUTHORIZED RELEASE CERTIFICATE

TCOA 14-018

1. Approved Release Authority Transport Canada INSPECTOR GENERAL INSPECTOR GENERAL FORT ERIC, ONTARIO, CANADA, L3A 5A1		3. Form Issued By (YYMMDD-NN) 06/10/06-001	
4. Approx. registration area and address: INSPECTOR GENERAL FORT ERIC, ONTARIO, CANADA, L3A 5A1	6. Part Number: GEM 2062	7. Equipment: SAISTNE Various	8. Work order/Certificate Number: D45054
5. Item: 1. Description: GEM 602 Display Unit	9. Quantity: 1	10. Unit/Block Number: 10029	11. Serial/Mark: Inward
12. Remarks: W.F.F.			

13. Name: N/A

14. Date (YYMMDD): N/A

15. Authorized signature: [Signature]

16. Date (YYMMDD): N/A

17. Name: TERRA REINHOLDT

18. Date (YYMMDD): 06 Nov 2006

User/Insaller Responsibility

19. [Signature]


20. Date (YYMMDD): 06 Nov 2006

21. [Signature]

22. Date (YYMMDD): 06 Nov 2006


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	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.)
11-08-08	919.3	—	919.3	Removed GEN 602 Display Unit P/N GEN2962 SN 10029. Reinstalled GEN 602 Display Unit after being inspected by Insight Instruments Corporation W/O # 100898. Ground ran eng. and checked monitor, checked good. David Bohmer 2804926A&P

DATE 2007 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)
10-19-07	960.0	—	960.0	Completed Annual Inspection TAW Mooney Airplane Co. 100hr/Annual Inspection Guide. Jacked A/C. Checked gear rigging & down lock preload. Ops checked emergency landing gear extension. Inspected wheel bearings & brakes. Lubed all landing gear and flight control hinges, pivot points & rod ends. Serviced battery & brake reservoir. Cleaned & inspected fuel screen. Cleaned & re-oiled K+N air filter. Inspected interior & exterior of wings, fuselage & empennage. Installed new ELT battery pn 452-0130, exp Sept 09. Performed ELT function check IAW FAR 91.207(d) 1-4. Installed new Continued →

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)
—	Continued	—	960.0	pn 630118-001 tailpipe hanger, new pn 21649 R-24014 down limit switch, C/W AD 85-21-03 part B, fuel cup O rings. Next due @ 1060.0 hrs - next annual. DATE 10-19-07 T.A. IN SERVICE 960.0 A/D'S CHECKED THRU 07-20 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED <u>[Signature]</u> NUMBER <u>[Signature]</u>
				


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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Date: 1/08/2008; Aircraft: N9146Q; Type: MOONEY M20J; S/N: 24-3384; Hobbs: 968.70; Total Time: 968.70
 REMOVED THE FUEL PUMP P/N A8163-B S/N 73333 AND INSTALLED A NEW WELDON ELECTRIC FUEL PUMP P/N
 A8163-B S/N 129866. THE FUEL PUMP TESTED NORMAL AND THERE WERE NO FUEL LEAKS.

DATE: Jan 8 2008
 SIGNED: 
 CERT NO.: 452960310 A & P
 HENLEY'S TRAINING ACADEMY, INC.
 15841 ADDISON RD.
 ADDISON, TX. 75001
 972-934-0875

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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MAKE: Mooney
 MODEL: M20J4
 S/N: 24-3384
 S/N: 330 A9146Q
 W/DXK ORDER 080135
Clear Star Aviation LLC
 Repair Station No. 5CSR0098
 4765 Frank Luke Drive
 Addison, Texas 75001
 Phone: 972-267-2376

DATE: 1/22/2008
 SIGNED: 
 Mike Sammons
 Certified Repair Station No. 5CSR0098
 Airframe Entries
 Installed new main aircraft battery, P/N G-243, S/N G02372838 ... Ran aircraft after replacement of battery operation check ok ... In
 NLG well, upper, LH corner, installed shorter screws to clear NLG tire.
 DATE: 1/22/2008
 A/C TSN: 968.7
 HOBBS: 968.7
 Work Order: 080135
 Printed by EBIS 3 (dalcommedia.com)

DATE: 9/18/08

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

DATE: 9/18/08

O.W.L. FLY INC.
 28436 Bonn Mountain
 San Antonio, TX 78260

CRS# OW7R981N
 (210) 912-9190
 owl-fly.com

N 91460 FAR 91.413

I certify that the ATC Transponders reporting equipment tests and inspections required by FAR 91.413 have been performed. I have found these systems to be in Airworthy Condition. Pertinent details of this Inspection on file, under Repair Station; Work Order # 9118/08

Aircraft Total Time: Hobbs / RPM Static System was tested on 9/18/08

Form: PS.40:05

TXPD 1 Model 17 Automatic Pressure Reporting System Tested to 9/18/08

TXPD 1 Model S/N 105338 Tested to 9/18/08

GAID Model S/N 111 Tested to 9/18/08

FAA CRS# OW7R981N Repairman Technician [Signature]

Chief Inspector owl-fly.com [Signature]

DATE: 9/18/08

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

DATE: 9/18/08

O.W.L. FLY INC.
 28436 Bonn Mountain
 San Antonio, TX 78260

CRS# OW7R981N
 (210) 912-9190
 owl-fly.com

N 91460 FAR 91.411

I certify that the Altimeter & Altitude Reporting Equipment tests & inspections required, FAR 91.411 have been performed. I have found these systems to be in Airworthy Condition. Pertinent details of this Inspection on file, under Repair Station; Work Order # 9118/08

Aircraft Total Time: Hobbs / RPM Static System was tested on 9/18/08

Form: PS.20:04

ALTM 1 P/N 5934174 S/N 110411 Tested to 9/18/08

ALTM 2 P/N 11 S/N 111 Tested to 9/18/08

ADC P/N 11 S/N 111 Tested to 9/18/08

FAA CRS# OW7R981N Repairman Technician [Signature]

Chief Inspector owl-fly.com [Signature]

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

DATE	TOTAL TIME IN SERVICE
19__	

Closed Out
 09-24-08
 SEE LOG BOOK
 # 11

Airworthiness Directives
 Chronological Listing of Compliance and Method of Compliance

DATE	AIR NUMBER	TOTAL TIME IN SERVICE	COMPLIANCE METHOD
5/1/96		6.0	Fuel die inspection
1-3-00	85-24-03	578.5	M/T3, changed fuel pump orings David Robinson 4543370543 AIP
1-3-00	98-24-11	578.5	P/W, new links installed. David Robinson 4543370543 AIP
1-3-00	97-26-08	578.5	P/W, hand guard were removed. David Robinson 4543370543 AIP
1-3-00	98-14-03	578.5	Transponder updated. David Robinson 4543370543 AIP
1-01-01	85-24-03	589.6	M/T3, replaced fuel pump orings. David Robinson 4543370543 AIP
3-4-02	85-24-03	652.8	M/T3, replaced fuel pump orings. David Robinson 4543370543 AIP
4/16/03	85-24-03	724.1	M/T3, replaced fuel pump orings. David Robinson 4543370543 AIP
10-12-03	85-24-03	852.3	REPLACE FUEL CAB O-RINGS. David Robinson 4543370543 AIP
10-31-06	85-24-03	919.3	change fuel pump orings. New due at H055 1019.3 or later 10-07. David Robinson 4543370543 AIP
10-19-07	85-24-03	960.0	change fuel pump orings. David Robinson 4543370543 AIP

Aircraft Record General Information

Manufacturer MOONEY Model m20T #2

Serial 24-3384 Registration Number N9146Q

Date of Manufacture 1996

Engine(s) currently installed:

Manufacturer LYCOMING Model I0-360-A336 Serial L-26806-51A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Mc Cauley Model _____ Serial _____

HUB Model B2D34C214 Serial 951461 Serial _____

Blade Model 90DHB-16E Serial P8-224 Serial P8-233 Serial _____

Blade Model _____ Serial _____ Serial _____

YEAR:	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.)
10-15-08	1003.9		1003.9	% ANNUAL INSPECTION OF MC. Checked landing gear rigging and down lock prehaul. Ops checked landing gear emergency extension. Cleared and packed all wheel bearings. Inspected brake system. Installed new LH. 600-6, 6ply. Covered Main Tire. Replaced LH landing light bulb PN 4596. Lubricated all flight control main bearings, bellcranks, and rod end bearings. Greased all landing gear grease points. Inspected interior and exterior of wings, fuselage, and empennage. % A.D. 85-24-03 part B, changed fuel pump orings. Next due at H455 1103.9 or date OCT. 2009. Installed MONROY Aerospace Long Range Fuel TANKS IN


Next Page →

YEAR:	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.)
		Continued →		MONROY M20 T Kit PN 1002-8E KIT 5200519. All work done per MONROY & TC No. SA1913 \$0. Weight and balance updated and flight manual supplement installed.

DATE 10-15-08 11.1 IN SERVICE 1003.9
 OPS CHECKED THRU 08-80
 THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A BUREAU INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 SIGNED: [Signature] 150800Z
 NUMBER: 4804976-150800Z

1. Approving National Aviation Authority/Country: **FAA/UNITED STATES**

2. AUTHORIZED RELEASE
FAA Form 8130-3, AIRWORK

4. Organization Name and Address:  **MID-CONTINENT INSTRUMENT**
9400 E 34th ST. NORTH
WICHITA, KS 67226-2615

6. Item:	7. Description:	8. Part Number:	9. Eligibility:
1	ALERTER	071-1466-00 KAA 15	N/A

13. Remarks: **THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK ALL WORK WAS PERFORMED REF. MANUAL # 006.05621.0**

YEAR: 2009	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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11/13/09	1052.3			Annual inspection. Tacked Aircraft checked landing gear Retraction and gear down procedure checked emergency gear extension. Removed all wheels, cleaned & repacked gear bearings. Reinstalled wheels. Replaced all Brake Pads, Bleed Brakes with new Hyd. Fluid. Cleaned Fuel screen. Reinstalled with new Rings. Also AD 95-24-03. Parts necessary for manual. Replaced fuel type rings. Next Time Due 11/5/2010. Replaced ELT Battery Exp Jan 2012. Also Fare 91207 passed. 1 Thrust ELT Function Test. Lubricated all Flight Controls and landing gear pivot points, inspected extension and retraction of wings, fuselage & empennage. Bernie Farmer 3809646 REP
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SRV Facility. (See back pages for other specific entries.)

MAKE: MOONEY
MODEL: M20J
S/N: 24-3384
REG. NO: N9146Q
WORK ORDER:
1832-10-2008

Mooney Airplane Company, Inc.
Repair Station No. CRS# MPYR456X
165 Al Mooney Road North
Kerrville, TX 78028
Phone: 830-792-2924

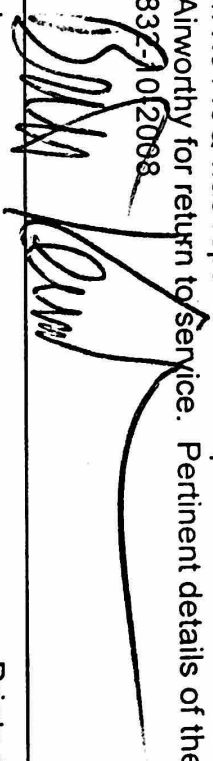
DATE: 10/15/2008
A/C TSN: 1004.4
HOBSB: 1004.4

Airframe Entries
(1) Troubleshoot autopilot disconnect warning inop. Reinstalled KAA15 Alerter pn 071-1466-00 sn 1789 after repair by Mid-Continent Insrument Co., Inc. CRS OL2R061L.

The aircraft or components identified above on N9146Q was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Ebis 3 Work Order No. 1832-10-2008

DATE: 10/15/2008

SIGNED:



Work Order: 1832-10-2008

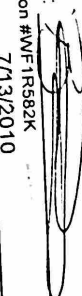
Brian Kendrick
Certified Repair Station No. CRS# MPYR456X

Printed by EBIS 3 (datcomedia.com)

YEAR: DATE	RECORDING 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.)
				Avionics Services International, Inc. 4317 Maher Street, Laredo, Texas 78041 (956) 725-8898 CRS: 578K151N
				Date <u>11/13/09</u> N <u>9146Q</u> AC <u>M207</u> SN <u>2A-3584</u>
				FAR 91.413 I certify that the ATC transponder test and inspection required by FAR 91.413 have been performed on <u>11/13/09</u> . The integrated system test and inspection was performed on <u>11/13/09</u> . #1. Transponder Model: <u>KT 76A</u> SN: <u>107338</u> #2. Transponder Model: _____ SN: _____
				Work Order No. <u>4108</u> Signature _____ Date <u>11/13/09</u> ASI-14


YEAR: DATE	RECORDING 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.)
<u>7-9</u>	<u>1073D</u>			This Aircraft base has been inspected & has been found safe for the intended flight TAW Special Flight Permit DAKD 7-9-10 Buck Cleaver AWP 02149051 EWL

YEAR: 2011
 RECORDING TACH TIME: 1070.9
 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)

Broadie's Aircraft and Engine Service, Inc., Meacham Field, Hangar 2N, Ft. Worth, TX 76106
SUPPLEMENTAL LOG BOOK ENTRY
 A/C #: N9146Q S/N: 24-3384 HOBBS 1065.2
 Description of work performed: Airframe
 Removed old stall warning switch. Installed new stall warning switch kit P/N 940065-505 in accordance with drawing # 940065 Rev. B. Operational check was good. All work was done IAW Mooney service information and the aircraft is approved for return to service in regards to the work performed.
 Signature: 
 Repair Station #WF1R582K RO# 181659
 Date: 7/13/2010

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)</small>
3-1-11	1070.9			This Aircraft has been inspected IAW GA General Inspection and has been found in an airworthy condition. This time. C/W A085-24-0302A+B C/W PW 91.207 Phosphate D Inspected New Bill B-243 Safety Serial # G02545883 End [Signature] 0316/1051 APO IH

YEAR: _____
DATE: _____




BROADIE'S AIRCRAFT
Meacham International Airport
200 Commander Road, Hangar 2N, Fort Worth, Texas 76106
817-626-1532 www.BroadiesAircraft.com

SUPPLEMENTAL LOG BOOK ENTRY


Aircraft Registration # N9146Q S/N: 24-3384 HOBBS 1121.6

Description of work performed: Airframe

Justified stall warning horn to go off at a slower speed. Flight check is required for testing. All work was done IAW Mooney service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature:  Repair Station # WF1RS82K Repair Order # 181979
Date: 9/28/2011

YEAR: _____
DATE: _____



BROADIE'S AIRCRAFT
Meacham International Airport
200 Commander Road, Hangar 2N, Fort Worth, Texas 76106
817-626-1532 www.BroadiesAircraft.com

SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration # N9146Q S/N: 24-3384 AFTT 1167.7
HOBBS 1167.7

Description of work performed: Airframe

Completed an annual inspection using the Mooney Inspection Checklist. Jacked aircraft and performed gear retraction. Main gear breaker test failed: specs 250-280 in/lbs, right was 325 in/lbs and left was 375 in/lbs. Adjusted to within limits and safetied. Verified nose preload was still within limits after main gear adjustment. Pulled wheels, cleaned and repacked the bearings. Right main tire was worn to limits. Installed new right main tire P/N 072-314-0, S/N 1259S00450 with a new tube P/N 6.00*6. Installed wheels back onto aircraft. Left main gear door bracket was broken, installed new bracket P/N 550085-501, batch # 10157769-195284. Performed several gear swings an emergency extensions post work and all was found to be good, lowered aircraft. Both taxi lights were inop, installed two new taxi bulbs P/N 4596, ops check good. Rotating beacon was inop, installed new lamp P/N 34-0226010-91, ops check good. Battery failed cap check, installed new battery P/N G-243, S/N G02708652 with a new

CONT'D NEXT PAGE

YEAR: _____
 MONTH: _____
 DATE: _____

Battery terminal boot. Complied with AD85-24-03. Fuel tanks by inspection no discrepancies were found. Installed a new vacuum system filter P/N RA-1J4-6. Fire extinguisher was missing, installed new fire extinguisher P/N A384, S/N X-947230. Installed new O-rings P/N MS29513-010 and MS29513-338 on fuel filler caps. Installed lanyards P/N 99321/452-16-6 on outboard fuel tanks. Post work operational check was good with no leaks noted. All work was done IAW Mooney service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature: _____
 Repair Station # WFR582K
 Date: 3/15/2012
 Repair Order # 182096

BROADIE'S AIRCRAFT, INC.
 Maacham Field, Loc. 2N
 200 Commander Rd., Fort Worth, TX 76106
 FAA Repair Station # WFR582K
 Airframe Class 3
 Powerplant Class 1

I certify that this Aircraft/Engine has been Inspected in accordance with a Annual inspection and was determined to be in Airworthy Conditioned. Details of inspection are on file under W.O. No. 182096 Date 3-15-12 Total Time 1127.7
 Signed _____



4151 N. Main St.
 Fort Worth, TX 76106
 817-625-2719

A/C Reg # N9146Q
 A/C S/N: 24-3384
 W/O No. 133532

I certify the altimeters and static systems tests required by 14 CFR 91.411 and the transponder tests, including data correspondence, required by 14 CFR 91.413 have been performed and found to comply with 14 CFR 43 appendix "E" and "F".

L/H Altimeter Model: 5934PA-3 Serial No.: 4K417
 Transponder Model: KT76A Serial No.: 107338
 Encoder Model: AT3000 Serial No.: 19859

The altimeter was tested to 20,000 feet.
 The altimeter was tested to 20,000 feet.
 The static system was leak tested on this date.
 CRS# WRI1R594K Signed: Carly Prada Date 1/16/2012

Technician or Repair



AVIONICS & INSTRUMENTS, INC.
 Loc. 3N, Meacham Field
 Ft. Worth, Texas 76106

S/N 4K417 RS #WR1R594K W.O. 33532

Altitude	Err	Altitude	Err	Altitude	Err
-1000	+20	14000	-70		
0	0	16000	-70		
500	+10	18000	-80		
1000	0	20000	-70		
1500	-25	22000			
2000	-30	25000			
3000	-30	30000			
4000	-35	35000			
6000	-40	40000			
8000	-60	45000			
10000	-70	50000			
12000	-70				

DATE 1-16-12
 TECH C. Roberts
 INSP C7

Repair



BRODIE'S AIRCRAFT
 Meacham International Airport
 200 Commander Road, Hangar 2N, Fort Worth, Texas 76106
 817-626-1532
 www.Brodiesaircraft.com

SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration # N9146Q S/N: 24-3384 HOBS 1149.1
 Engine: Lycoming IO-360-A386 S/N: L-26806-5-1A

Description of work performed: Airframe
 Removed both left and right brake callipers. Cleaned and resealed both callipers with new O-rings P/N MS28775-224. Fabricated new gear well brake lines for left and right sides from P/N 303-3 hose, 491-3 fittings. Installed new fittings P/N AN823-3D on both callipers. Reinstalled callipers with new lines and bled brake system with MIL-H-5606. Placed aircraft on jacks and performed several gear swings insuring new hoses did not rub or bind in retraction or extension. All work was done IAW Mooney service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature: [Signature]
 Repair Station # WF1R592K
 Date: 1/17/2012
 Repair Order # 182064



Technician or Repair

LOG BOOK ENTRY
E.L.T. BATTERY
REPLACEMENT DATE Nov 2013

N9146Q

RECORDING
TACH
TIME



BROADIE'S AIRCRAFT
Meacham International Airport
200 Commander Road, Hangar 2N, Fort Worth, Texas 76106
817-626-1532 www.BroadiesAircraft.com

SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration # N9146Q S/N: 24-3384 HOBBS 1164
Engine: Lycoming IO-360-A3B6 S/N: L-26806-51A
Description of work performed: Airframe

Installed a new E.L.T. battery P/N 452-0130FU, S/N 351190-486. The new battery expires Nov/2013. Operational check was good. All work was done IAW Mooney service instructions and the aircraft is approved for return to service in regards to the work performed.


Signature: 
Repair Station # WF1R582K    Repair Order # 182089
Date: 2/27/2012

TexasGYRO

200 Aviation Way
Fort Worth, Texas 76106
817-282-7500
FAA CRS T69R487X
Aircraft: Mooney M20J S/N 24-3384 N9146Q
Aircraft Total Time: 1167.9

Removed Bendix King KI-525A HSI P/N 066-3046-07 S/N 84106 for bench test and / or repair; reinstalled same. Performed compass swing IAW AC 43.13-1B Chapter 12 Section 12-37. The Aircraft Compass System / HSI was operationally checked good in ground IAW Honeywell Technical Publication No. 006-00111-0011.

For pertinent details of this inspection refer to TexasGYRO WO # 19052

Signed:  Date: 21 March 2012

15. Tests, Repairs and Alterations
(Name, Rating and Certificate Number of Technician or Repairer specific entries)



BROADIES AIRCRAFT
 Meacham International Airport
 4701 N. Main St., Loc 44N, Fort Worth, Texas 76106
 817-626-1532 www.BroadiesAircraft.com

SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration # N9146Q S/N: 24-3384 HOBBS 1242.8

Description of work performed: Airframe
 Found flap indicator drive cable broken. Left cable sleeve in place and installed a new internal push pull cable P/N 740191-017. Rigged flap indicator and ops check was good. All work was done IAW Mooney service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature: 
 Repair Station # WF1R582K
 Date: 8/9/2012



Repair Order # 182198

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

N#: N9146Q Make: Mooney
 ATT: 1257.5 Model: M20J
 Date: April 15, 2013 Serial#: 24-3384
 Tach: 1257.5 Hobbs: 1257.5

- Performed an Annual Inspection.
- Inspected and tested ELT in accordance with FAR 91.207d and found it to operate properly.
- Expiration date November 2013.
- Removed and replaced aircraft battery with new G243.
- Removed and replaced left main tire with new part number 072-317-0.
- Removed and replaced left main tube with new part number 600X6M.
- Removed and replaced brake linings with new 66-105.
- Removed and replaced instrument air filter with new part number RA114-6.

Continued next page.....

Continued from previous page.

VI Continued from previous page.
VI **ATTI:** 1257.5
VI **Date:** April 15, 2013
VI **Tach:** 1257.5

VI **Make:** Mooney
VI **Model:** M20J
VI **Serial#:** 24-3384
VI **Hobbs:** 1257.5

- Removed and replaced cabin heat seal hose with new.
 - Removed and replaced heat muff cooling seal hose with new.
 - Removed auto pilot pitch trim servo for repair. Reinstalled after repair and function tested.
 - Removed and replaced electric trim servo with newly overhauled unit, part number 065-0052-14, serial number 4334.
 - Complied with AD2011-26-04, fuel line by inspection, no discrepancies found. Next due @ 100 hours TIS, at each engine overhaul, and after any maintenance has been done on the engine where any clamp (or clamps) on a fuel injector line (or lines) has been disconnected, moved, or loosened.
 - Complied with AD2012-03-52 by visual inspection and in accordance with Service Bulletin M20-313. Trim fitting, hinge and filler plate was found to be in the correct position and all hardware was found to be secure.
- This Aircraft has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition. For work performed this Aircraft is approved for return to service.

Travis Tatum

TRAVIS TATUM
IA3211139AP

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



McGregor Executive Airport
 355 McGregor Airport Road
 McGregor, TX 76657
 Phone: 254-848-2345
 Fax: 254-848-2555

VI **Make:** Mooney
VI **Model:** M20J
VI **Serial#:** 24-3384
VI **Tach:** 1265.9
VI **Date:** 5-7-13

Installed new Hobbs meter P/n 85092-12 on right side bottom of instrument panel. Power wire shares cigar lighter 10 amp circuit breaker. Turned on master switch for ops check. No defects noted.

Travis Tatum
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order # AA13-0071



YEAR:
DATE

SANTAFE
AERO SERVICES
Airframe Log

N9146Q
121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507
Date: 2/25/2014 Make: MOONEY Model: M30 S/N: 24338
Hobbs: 19.7 TTAE: 1255.6
REPAIR: FLOUNDER ENGINE COMING AND HELLY PANEL D. MAGGE LAW
MOONNY SERVICE AND MAINTENANCE: MANUEL SECTON 51.
TRIMMED, DRILLED, AND INSTALLED:
NEW GOWL, IN WPS L11 P/N 650197-502
NEW FEM MUST CAVIT RESSL 11 P/N 600030-509
NOSE GEAR BOX ASSEMBLY P/N 500032-015
NEW NOSE GEAR DOORS L11 P/N 380012-015
REPLACED NOSE GEAR COMPONENTS AND ASSOCIATED HARDWARE:
TRIM AND TUBE P/N 072-012-0 AND P/N 06-08300
NOSE GEAR SPRINDLE P/N 500043-508
NOSE GEAR LEG ASSEMBLY P/N 500044-509
PIVOT TRUSS P/N 50901-503
RETRACT LINK P/N 539065-001.

OPERATIONS
Number of Technician or Repair
DATE

SANTAFE
AERO SERVICES
Airframe Log

N9146Q
121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507
Date: 2/25/2014 Make: MOONEY Model: M30 S/N: 24338
Hobbs: 19.7 TTAE: 1255.6
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NEW NOSE GEAR DOORS L11 P/N 380012-015
REPLACED NOSE GEAR COMPONENTS AND ASSOCIATED HARDWARE:
TRIM AND TUBE P/N 072-012-0 AND P/N 06-08300
NOSE GEAR SPRINDLE P/N 500043-508
NOSE GEAR LEG ASSEMBLY P/N 500044-509
PIVOT TRUSS P/N 50901-503
RETRACT LINK P/N 539065-001.

Specialty Operations
Amanda Oliver
AKP28101561A
Work accomplished at Santa Fe Aero Services, LLC. Reference work order # 4205
1 of 2

RETRACTOR TRUSS ASSEMBLY P/N 504016-505
SHOCK DISC X33 P/N 38021-000.
PARTS PAINT MATCHED AND ASSEMBLED WITH NEW HARDWARE. VERIFIED
RIGGING OF NOSE GEAR AND GOWL FLAPS. PERFORMED GEAR RETRACTIONS
WITH ALL ASSEMBLIES INSTALLED TO VERIFY NO INTERFERENCE. INSTALLED
EXHAUST CAPTIVE AND GEAR BOX ASSEMBLY USING PROSAL 700 FIREWALL.
SEALANT. WORK PERFORMED LAW MOONNY SERVICE AND MAINTENANCE
MANUAL OPERATIONAL CHECK SATISFACTORY.

OPERATIONS
Number of Technician or Repair
DATE

SANTAFE
AERO SERVICES
Airframe Log

N9146Q
121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507
Date: 2/25/2014 Make: MOONEY Model: M30 S/N: 24338
Hobbs: 19.7 TTAE: 1255.6
RETRACTOR TRUSS ASSEMBLY P/N 504016-505
SHOCK DISC X33 P/N 38021-000.
PARTS PAINT MATCHED AND ASSEMBLED WITH NEW HARDWARE. VERIFIED
RIGGING OF NOSE GEAR AND GOWL FLAPS. PERFORMED GEAR RETRACTIONS
WITH ALL ASSEMBLIES INSTALLED TO VERIFY NO INTERFERENCE. INSTALLED
EXHAUST CAPTIVE AND GEAR BOX ASSEMBLY USING PROSAL 700 FIREWALL.
SEALANT. WORK PERFORMED LAW MOONNY SERVICE AND MAINTENANCE
MANUAL OPERATIONAL CHECK SATISFACTORY.

Specialty Operations
Amanda Oliver
AKP28101561A
Work accomplished at Santa Fe Aero Services, LLC. Reference work order # 4205
2 of 2

YEAR: _____
 REG: _____
 TACH: _____
 TIME: _____
 DATE: _____

Date 5-3-2014 N9146Q TACH 13173 TT 13173
 Completed annual inspection IAW Mooney manual and FAR 43 Appendix D. Lubed aircraft and
 performed gear refraction and emergency extension check. Inspected Artex ELT 110-4 SN 73033
 IAW FAR 91.207d, battery due date June 2016. I certify this Aircraft has been Insp IAW an Annual
 Insp and was determined to be in an airworthy condition.

James Young
 James Young
 26692381A



MCGREGGOR EXECUTIVE AIRPORT, MCGREGGOR TX

76657


Reg. #: N9146Q Date: Work 07/17/14 Order #: 14-0465
 Make: Mooney Model: M20J Serial #: 24-3384 Tach: 0112.1

Removed KR87 ADF p/n 066-1072-04 s/n 64887 for outside repair. reinstalled unit after repair. Ops
 Check Good Aircraft is returned to service for work performed.


Stacy D. Fincher
 Stacy D. Fincher 3069878A&P

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations	or Repair	YEAR:	DATE

Date 11-8-2014 N9146Q TACH 1420.9 TT 1420.9
 Completed 100 Hr inspection IAW Mooney manual and FAR 43 Appendix D. Reinstalled
 Co-pilots seat belt to unwrist it. Serviced induction air filter. Lubed aircraft and
 performed gear retraction and emergency extension check. I certify this Aircraft has been Insp
 IAW a 100 Hr Insp and was determined to be in an airworthy condition.


 James Young
 A&P2669238

Date 4-5-2015 N9146Q TACH 1505.5 TT 1505.5
 Completed annual inspection IAW Mooney manual and FAR 43 Appendix D. Lubed aircraft and
 performed gear retraction and emergency extension check. Replaced one static wick, right landing light bulb,
 nose tire inner tube, missing hardware from pilots sun visor and aux input nut. Serviced induction air filter
 and replaced reg filter. See AD list for compliance. Inspected Artex ELT 110-4 SN 73033 IAW FAR 91.207d,
 battery due date June 2016. I certify this Aircraft has been Insp IAW an Annual Insp and was determined to
 be in an airworthy condition.


 James Young
 26692381A

Repair

YEAR:	REC TAC TIM	DESCRIPTION	NAME	DATE
		Dated 4/24/2015	N9146Q	Tach 1509.8 TT 1509.8
		Replaced all fuel cap o-rings. Installed new G35 Battery SN G02845347. Replaced starter with overhauled MHB-4016 SN A121296. Ground run ops checked good.	<i>JAMES YOUNG</i> James Young A&P2669238	
		Date 6/15/2015	N9146Q	Tach 1531.6 TT 1531.6
		Installed STC SA593CH, Champion SlickStart magneto booster system SS1001, SN 15028588 on left side of firewall. Installed IAW Slick SL2-96 Rev G. Ground run ops checked good. See FAA Form 337 dated this date.	<i>JAMES YOUNG</i> James Young A&P2669238	

YEAR:	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.)




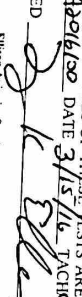
McGregor Executive Airport, McGregor TX 76657

Rep. #: N9146Q
 Make: Mooney
 Date: 7-29-15
 Model: M20J
 Serial #: 24-3384
 Work Order #: 15-0277
 Hobbs: 358.6

Removed and replaced taxi light with new P/N 4596. Ops check good. Removed and replaced landing light with new F/N 4596. Ops check good.
 The aircraft or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations, and found to be airworthy with the respect to the work performed.

Carl Farris
 Carl Farris A&P 3225044

YEAR:	RECORDING 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.)
				<p>Mooney M20U 1996 SN:243384 N9146Q Tach: <u>1652.3</u></p> <p>Removed KLN89B SN:2238 and replaced with KLN94 SN:20774 in accordance with STC SA00934W1-D. The KLN 94 Application software is at revision 0201 as of 01/18/16. Pertinent details on file at this agency under WO No: A2016031 Date: 01-19-16.</p> <p>Signed  Dale E. Olson Elliott Aviation Services 7732 Central Park Drive Waco, TX 76712 (254)640-9024 CRS# 91AR302C</p>

YEAR:	RECORDING 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.)
				<p>I CERTIFY THAT THE ALTIMETERS) AND STATIC SYSTEMS) TESTS AS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED IN ACCORDANCE WITH FAR 43 APPENDIX E. ALTIMETER # 1 P/N <u>59R0463</u> SN <u>22684</u> HAS BEEN TESTED TO <u>20000</u> FEET ON <u>3/15/16</u>. ALTIMETER # 2 P/N <u>N/A</u> SN <u>N/A</u> HAS BEEN TESTED TO <u>N/A</u> FEET ON <u>N/A</u>. ENCODER # 1 P/N <u>A0002</u> SN <u>0859</u> HAS BEEN MATCHED WITH ALTIMETER # 1 TO <u>20000</u> FEET ON <u>3/15/16</u>. ENCODER # 2 P/N <u>N/A</u> SN <u>N/A</u> HAS BEEN MATCHED WITH ALTIMETER # 2 TO <u>N/A</u> FEET ON <u>N/A</u>.</p> <p>I CERTIFY THAT TRANSPONDER #1 MAKE <u>KAS</u> MODEL <u>KT764</u> SN <u>107335</u> AND TRANSPONDER # 2 MAKE <u>N/A</u> MODEL <u>N/A</u> SN <u>N/A</u> AS INSTALLED IN THIS AIRCRAFT HAVE BEEN TESTED AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F ON THIS DATE <u>3/15/16</u>.</p> <p>PERTINENT DETAILS OF THESE TESTS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. <u>A2016030</u> DATE <u>3/15/16</u> TACH <u>1688.0</u></p> <p>SIGNED  Dale E. Olson Elliott Aviation Services, LLC • 7732 Central Park Drive • Waco, TX 76712 • (254)640-9024 • CRS# 91AR302C</p>

YEAR:	RECORDING TACH TIME	Date	Description of Inspections, Tests, Repairs and Alterations	Justification Number of Technician or Repair
		Date 3/14/2016 Installed Kyle new Wheeler LED landing light PN 01-0771833-20 SN-02680 & 02972 Installed IAW Whelen instructions.		
		<i>James Young</i> A&P2669238		
		Date 4/9/2016	N9146Q TACH 1701.2 TT 1701.2 Completed annual inspection IAW Mooney manual and FAR 43 Appendix D. Lubed aircraft and performed gear retraction and emergency extension check. Replaced left main inner tube. Serviced induction air filter and replaced reg filter. See AD list for compliance. Inspected Artec ELT 110-4 SN 73033 IAW FAR 91.207d, battery due date June 2016. Certify this Aircraft has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.	
		<i>James Young</i> A&P2669238		

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
		Date 8-13-2016	N9146Q TACH 1745.7	Replaced ELT Battery new battery PN452-0130 SN370793-037. Next battery due date June 2019. Inspected ELT IAW FAR 91.207d.
		<i>James Young</i> A&P2669238		
		Date 10-16-2016	R9146Q TACH 1748.3	Rechecked all four brake master cylinders and bled the brake system.
		<i>James Young</i> A&P2669238		

YEAR:	RECORDING TACH TIME	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations (including Certificate Number of Technician or Repair entries)

Date 12-22-2016
 Repaired fuel leak in right aux fuel tank at wing the down.
 Fuelled aircraft no leaks at this time.
 James Young
 A&P 2669738

N9146Q
 TACH 1762.6

Mooney M20J 1996 S/N: 24-3384 N9146Q Hobbs: 1748.6

Installed FDL-978-TXL ADS-B Transceiver, TC-978 Controller, AV-22 UAT antenna, and AT-575-43F WAAS GPS Antenna utilizing FreeFlight System Installation Instructions for Approved Model List, Report No. Capstone-11-0103, Rev H and the acceptable methods found in applicable sections of AC 43.13-1A Chapter 11. AT-575-43F antenna was sealed utilizing AC-236 Class B-1/2 sealant. Installed ACK A-30.9 Blind Encoder in accordance with A-30 Altitude Digitizer, S/N: 139232 Operation/Installation Manual, P/N: A30M Rev 06, 2/11/15 and verified correspondence between encoder output and pilots altimeter. Customer was provided an AFMS and ADS-B ICA. Weight and balance data was updated as well as an FAA Form 337 was completed. Pertinent details of this work are on file at this agency under Work Order Number: A2016389 and are dated: 10/24/16.

Signed



Dillon Avionics Services, LLC
 7732 Central Park Dr
 Waco, TX 76712
 (254) 640-9024
 CRS# 91AR302C

Number of Technician or Repair



McGregor Executive Airport, McGregor, TX 76657

Ref: #N9146Q Date Work 05/08/2017 Order 17-0133
Mile Mooney Model M20U Serial # 24-3384 Hours: 1804.9

Remanufactured repaired FSJ 178 Roll servo (9/9/06-5-0051-01) (SN: 5429) See FAA Form 8130-3 tracking
Number OSW-2929 dated 04/19/2017. Tested cable tension and autopilot operation good in
accordance with Benjak/King STC Installation Manual 1065-0249-00 Revision 13 dated March 15, 1990.
Removed Autopilot loop. Placeholder from panel and removed collar from circuit breaker.
Aircraft approved for return to service for work performed.

For CRS# 21VR917C Henry Billingsley Registration Certificate Number 24734326

To
the Approving Agency

YEAR: TOTAL
TIME IN

Reference of Major Repairs and Major Alterations To
FAA Form 907

DATE

Date 10-28-2017 N9146Q TACH 1913.2 TT 1913.2
Completed 100 Hr inspection IAW Mooney manual and FAR 43 Appendix D.
Resealed both brake caliper, parking brake valve, replaced all brake linings and bleed brakes.
Replaced all tires and repacked wheel bearings. Replaced right white nav light bulb and gear
down bulb. Serviced induction air filter. See AD list for compliance. Lubed aircraft and performed
gear retraction and emergency extension check. I certify this aircraft has been Insp IAW a 100 Hr
Insp and was determined to be in an airworthy condition.

James Young
A&P2669238

YEAR: TOTAL TIME IN SERVICE
 DATE: Reference of Major Repairs and Major Alterations To FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

12-13-17 Tach 19618 Replaced nose tire tube.

Tach 19618
 9302698338

Date: 1-24-2018 N9146Q TACH 1975.8 TT 1975.8

Removed original tach and installed new E.I. Inc R-1 tach under STC SA5924NM, PN R-1-4 SN 199528. Installed JAWTE. I. Installation manual OI 05179111 Rev C. Sec 337 for this date.

James Young
 A&P2669238

YEAR: A.D. NUMBER TOTAL TIME IN SERVICE
 DATE: Airworthiness Directives Chronological Listing of Compliance and Method of Compliance

10-15-08 553403 1003.9 part 8, changed interconnections David Bolivar 2805244/P

1 CERTIFY THAT THE ALTIMETER(S) AND STATIC SYSTEM(S) TESTS AS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED IN ACCORDANCE WITH FAR 43 APPENDIX E. ALTIMETER # 1 PN 5934P SN 73694 HAS BEEN TESTED TO 20,000 FEET ON 3/16/18. ALTIMETER # 2 PN N/A SN N/A HAS BEEN TESTED TO N/A FEET ON N/A ENCODER # 1 PN A-30.9 SN 151252 HAS BEEN MATCHED WITH ALTIMETER # 1 TO 20,000 FEET ON 3/16/18. ENCODER # 2 PN N/A SN N/A HAS BEEN MATCHED WITH ALTIMETER # 2 TO N/A FEET ON N/A

I CERTIFY THAT TRANSDUCER #1 MAKE King MODEL KT76A SN 107538 AND TRANSDUCER # 2 MAKE N/A MODEL N/A SN N/A AS INSTALLED IN THIS AIRCRAFT HAVE BEEN TESTED AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F ON THIS DATE 3/16/18.

PERTINENT DETAILS OF THESE TESTS ARE ON FILE AT THIS AGENCY UNDER NO. 2008129 DATE 3/16/18 TACH/OBSS 1975-8

SIGNED [Signature]

Elites Aviation Services, LLC • 7732 Central Park Drive • West, TX 76112 • (254) 640-9024 • CRS# 91ARB02C

YEAR: DATE	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
			<p>Date 4/24/2018 N9146Q TACH 2012.2 TT 2012.2</p> <p>Completed annual inspection IAW Mooney manual and FAR 43 Appendix D. Lubed aircraft and performed gear retraction and emergency extension check. Serviced induction air filter and replaced reg filter. Replaced all fuel cap orings. See AD list for compliance. Inspected Arax ELT 110-4 SN 73033 IAW FAR 91.207d. I certify this Aircraft has been insp IAW an Annual Insp and was determined to be in an airworthy condition.</p> <p><i>James Young</i> James Young 26692381A</p>

YEAR: DATE	A.D. NUMBER	TOTAL TIME IN SERVICE	Manufacturers' Mandatory Service Bulletins Chronological Listing of Compliance and Method of Compliance
11-15-18			<p>Placed into pilot Insp 210 tied circuitry Brokers.</p> <p><i>AP 21069238</i></p> <p>Book cleared 4/20/19</p>

Aircraft Record General Information

#3

Manufacturer MOONEY Model M205

Serial 24-3384 Registration Number N914Q

Date of Manufacture 1996

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A3B4 Serial L-24806-5-1A

Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer MacCauly Model _____ Serial _____

HUB Model B2D34C214 Serial 951461 Serial _____

Blade Model 90DHB-14E Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____

