

N142MP

REPLACE ELT BATTERY BY:

MAY '10

AIRFRAME LOG BOOK # 2



The Standard

AIRCRAFT LOG

ASA-SA-1

Aircraft Record General Information

Manufacturer Mooney Model M20-L
Serial 26-0023 J Registration Number N142MP
Date of Manufacture 6-04-1988
Engine(s) currently installed:

Manufacturer TCM Model 10-550-N Serial 687920
Manufacturer _____ Model _____ Serial _____
Propeller(s) currently installed:

Manufacturer McCouley Model 3A32C418-C Serial 990858
JB Model 3A32C418-C Model 3A32C418-C Serial 990858
ade Model G-NRC-9 Serial Ve66008 Serial Ve66010 Serial Ve66062
de Model _____ Serial _____ Serial _____ Serial _____

[illegible]

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 Facility. (See back pages for other specific entries.)
DATE				

Date: 7-13-2006 Lone Star Aero CRS No. LSZR252X
 477 Sandau Hgr F Ph: 210-979-6313
 San Antonio, TX 78216

N 142MP FAR 91.411

I certify that the Altimeter & Altitude reporting equipment test and inspections required by FAR 91.411 have been performed in accordance with FAR 43, Appendix E. I found these systems to be in Airworthy condition and approve these systems for return to service.

Pertinent details of this inspection are on file under Repair Station Work Order No. 3287-06-2006

System tested to 20,000 feet.

Pilot Altimeter: P/N 5934P-1 S/N 36193 Tested to 35,000 FT

Co-Pilot Altimeter: P/N N/A S/N N/A Tested to N/A FT

Date: 7-13-2006 Signature ST-Moran FAA CRS#LSZR252X

Date: 7-13-2006 Lone Star Aero CRS No. LSZR252X
 477 Sandau Hgr F Ph: 210-979-6313
 San Antonio, TX 78216

N 142MP FAR 91.413

I certify that the ATC Transponder reporting equipment test and inspections required by FAR 91.413 have been performed in accordance with FAR 43, Appendix F. I found these systems to be in Airworthy condition and approve these systems for return to service.

Pertinent details of this inspection are on file under Repair Station Work Order No. 3287-06-2006

Automatic Pressure Reporting System Tested to 20,000 FT

No. 1 Transponder: Model: GT330 S/N 84100823 Tested to 35,000 FT

No. 2 Transponder: Model: N/A S/N N/A Tested to N/A FT

Date: 7-13-2006 Signature ST-Moran FAA CRS#LSZR252X

RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations	Repair
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MAKE: MOONEY
MODEL: M20L
S/N: 26-0023
REG. NO: N142MP
WORK ORDER:
3287-06-2006

Lone Star Aero

Repair Station No. LSRZ252X
477 Sandau Rd Hangar F
San Antonio, Texas 78216 USA
Phone: 210-979-6313

DATE: 11/17/2006
A/C TSN: 2019.4
HOBBS: 2019.4

Airframe Entries

Completed Airframe Inspection I/A/W Mooney Airframe Inspection Guide Checklist. Checked Flight controls for condition, security, proper travel and rigging. Lubed flight controls. Checked Landing gear Components for condition, security, proper operation and rigging. Lubed Landing gear. Removed wheels and checked tires, brakes and bearings. Cleaned and repacked wheel bearings. Checked cabin tubular structure, spar, and lower longerons for corrosion, checked ok. Checked ELT/G switch for proper operation as per FAR Part 91.207 (d) (1-4), both checked ok. ELT batteries are good until AUG-2007. Recharged batteries and checked connections for corrosion.... Installed left and right quick drains p/n F391-53S.... Adjusted preloads within limits Mains 250 and 260 inlbs, Nose 0.056" and 0.063".... Installed new o-ring p/n MS28775-224 in right brake caliper and bled system. Operation OK.... Installed new brake pads p/n 066-105 and rivets p/n 105-0200.... Adjusted Airspeed safety switch to actuate at 71 MPH.... C/W Mooney SB M20-289 on Aileron Center Link Clearance by installing Kit p/n M20-289-000 as per instructions.... Complied with Mooney Service Bulletin M20-285 by installation of hardware I/A/W Kit instructions.... Reset display settings on GNS430. Operational check passed.... Completed tests and inspections of the altimeter, transponder and static system required by Far 91.411 and FAR 91.413.... Complied with AD 05-01-19 on the Garmin GTX330 transponder p/n 011-00455-00, s/n 84100823 by.... Installed new fuel cap o-ring p/n MS29513-010 and MS29513-338.... Replaced fitting on the encoder, airspeed, altimeter, and vertical speed indicator, serviced the alternate static source valve and the static drain, and replumbed airspeed indicator on correct side of alternate static source valve.... Removed encoder p/n SSD120-30A-RS232(E) s/n SRA-6996 and Installed new encoder p/n SSD120-30A-RS232(E) s/n SRA11332.... Removed altimeter p/n 5934PA-1 s/n 3G193 and reinstalled repaired altimeter p/n 5934PA-1 s/n 3G193. Checked AD compliance as per I/Approach bi-weekly dated 11-13-2006. No new applicable AD's found at this time.

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the repair are on file at this repair station under the referenced Work Order number."

DATE: 11/17/2006

SIGNED:



Leo Sarinana
Certified Repair Station No. LSRZ252X

Work Order: 3287-06-2006

Printed by EBis 3 (datcomedia.com)

YEAR:

RECOR

DATE

MAKE
MOD
S/N: 2
REG.
WORK
3287-0

Airframe

Comple
rigging
wheels
corrosio
AUG-20
limits M
Installed
Aileron C
hardware
transport
011-0045
altimeter,
alternate
SRA1133
IApproach

MAINTENANCE RELEASE

COMPONENT Altimeter SERIAL NO 36193
PART/MODEL NO 5934P-1-A184☐ Overhaul☒ Repair☐ Functional Test

The Aircraft Appliance identified above was overhauled, repaired,
or functional tested as per block above in accordance with current
Federal Aviation Regulations and is approved for return to service
Details of this component are on file at this agency under;

Work Order # 606062DATE June 27, 2006Authorized Signature Ralph L. Posen

Form No. F150

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the repair are on file at this repair station under the referenced Work Order number."

DATE: 11/17/2006

SIGNED: Leo Sarinana

Work Order: 3287-06-2006

Leo Sarinana

Certified Repair Station No. LSZR252X

Printed by EBis 3 (datcomedia.com)

[illegible]

YEAR: 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>MAKE: MOONEY MODEL: M20L S/N: 26-0023 REG. NO: N142MP WORK ORDER: 3493-12-2006</p> <p>Lone Star Aero Repair Station No. LSZR252X 477 Sandau Rd Hangar F San Antonio, Texas 78216 USA Phone: 210-979-6313</p> <p>DATE: 12/14/2006 A/C TSN: 2021.7 HOBBS: 2021.7</p> <p>Airframe Entries Removed AK-950-F2 cooling fan p/n AK-950 s/n 952692 and Installed King KA33 Cooling fan p/n 071-4037-01.... Replaced Manifold Pressure transducer.</p> <p>The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the repair are on file at this repair station under the referenced Work Order number."</p> <p>DATE: 12/14/2006 SIGNED: <i>Leo Sarinana</i> Work Order: 3493-12-2006 Leo Sarinana Printed by EBis 3 (datcomedia.com) Certified Repair Station No. LSZR252X</p>

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.)
DATE				

Avionics Service Inc.

P.O. Box 1221
Buckhannon, WV 26201

Registration	Manufacturer	Model	Serial Number	Tach
N142MP	Mooney	M20DL	26-0023	

Removed upper engine cowl to F.O.M.. Removed engine and alternator shield grounds cleaned and re-installed.
Performed ops check of audio system IAW AC43.13 1B 11-15 and PS engineering PMA7000s and PMA7000 installation/operational manual p/n 200-070-0012. Installed upper cowling IAW AMM 71-10-01.

Maintenance Release

The aircraft and/or component(s) with respect to the jobs above have been repaired and/or inspected in accordance with current FAA regulations and have been found airworthy for return to service. Details are on file at Avionics Service Inc. under W.O. 1151-400.

Date: 05/02/07

Authorized Signature: _____

[Handwritten Signature]

CRSE 1151-400

The aircraft and or component identified on the reverse side was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency under Work Order:

No. 091499-2158,2159 Date 4-14-99

Signed Paul E. Lowe

LAKE AERO STYLING & REPAIR

4725 Highland Springs Rd.

Lakeport, CA 95453 — Phone (707) 263-0412

F.A.A. Approved Repair Station #NT3R722L

SERVICEABLE

Avionics Service Inc.

P.O. Box 1221

Buckhannon, WV 26201

Registration

Manufacturer

Model

Serial Number

Hobs

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CR

20594

LAKE AERO STYLING & REPAIR

4725 Highland Springs Rd.
Lakeport, CA 95453 — Phone (707) 263-0412
F.A.A. Approved Repair Station #NT3R722L

CUSTOMER LA730051-581 T.S.O. _____
P.O. NO. LA730052-5D1 DATE 4-14-99
UNIT NAME Aileron Control Links
TYPE Mooney A-C or ENG. NO. _____
SERIAL NO. 041497-2158, 2159 TIME IN SERVICE _____
TYPE OF REINFORCED LINKS IAW FAA APVD/LASAR
SERVICE PMA NO. PQ1208NM, ADDED P/N PREFIX
MOONEY S.B. M20 - 264 NO LONGER APPLIES
MECHANIC P. LOEWEN

SERVICEABLE

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 at this Facility. (See back pages for other specific entries.)
DATE				

Skymark Aviation LLC

P.O. Box 1221
Buckhannon, WV 26201

Registration	Manufacturer	Model	Serial Number	
N142MP	MOONEY	M20L	26-0023	

ACFT TT 2055

PERFORM ANNUAL INSPECTION I/A/W FAR PART 43 APPDX D. REPLACE RH MAIN TIRE & TUBE. REPLACE LH MAIN TIRE. ROTATE TIRE. CHECK NOSE GEAR TRUSS BOLT TORQUE I/A/W STC SA3540NM. LUBRICATE AIRFRAME. SERVICE BOTH BATTERIES WITH WATER & TOP CHARGE. REPLACE RH LANDING LIGHT BULB. INSPECT & CLEAN ENGINE INDUCTION AIR FILTER. C/W FAR 91.207D ELT OPS CHECK & INSPECTION, DM ELT 6 S/N 130339E, REPLACE BATTERY PACK DIE AGAIN. 2010. C/W AD 76-07-12 REV 07/03/01 IGN SWITCH OPS CHECK--GOOD. ALL AD'S C/W AND RESEARCHED THROUGH EASA.

Maintenance Release

The Aircraft listed above has been repaired and/or inspected in accordance with current FAA regulations and has been found airworthy for return to service. Details are on file with Skymark Aviation LLC under work order number 436.

Date: May 06, 2008

Authorized Signature: _____

Timothy P. McDaniel
AP 735 29 2335 DA

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YEAR: _____
DATE _____

REC
TAC
TIM



Tach 2071.3
Airframe Total Time 2071.3

8/14/2009

ician or Repair

Performed an **Annual** inspection in accordance with CFR Title 14 Part 43 Appendix D inspection checklist. Inspected ELT in accordance with CFR Title 91.207(d). Battery due may 2010. Inspected aircraft for hard landing in accordance with Mooney Service Center technical representative. Replaced the following parts with new, Rt tire Michelin Air 6x600 6ply, Shield 560253-001, 560253-000, shock disc 7ea J11968-14, Door 550065-501, 55065-502, channel 55011-003, door 55060-001, 55060-002. Removed engine for repair and installed same TCM IO-550-n S/N 687920 (see engine log for repair). Installed same repaired prop McCauley 3A32C418C S/N 990858. I certify this Aircraft was inspected in accordance with an **Annual** inspection and was found to be in Airworthy condition***END***
Brian Givens

IA234192624

YEA

Skymark Avionics LLC

P.O. Box 1221

Buckhannon, WV 26201

Registration	Manufacturer	Model	Serial Number	Tach Time
N142MP	Mooney	M20L	26-0023	2058

Pilot reports annunciator lights inop. Performed continuity check of all annunciator panel wiring. Verified power and ground at lighting controller. Verified dimming control grounds present at lighting controller. Replaced lighting controller P/N 950D0307-000 with new serial number 054 and ops checked good. Mooney M20L service manual.

Maintenance Release

The aircraft and/or component(s) with respect to the jobs above have been repaired and/or inspected in accordance with current FAA regulations and have been found airworthy for return to service. Details are on file at Skymark Avionics LLC. under W.O.08126

Date: 8/21/2008Authorized Signature: 

CRS Y6KR128B

13a

Certifies that the

Certifie que les éléments identifiés

approved design data and are in a condition for safe operation

Skymark

PO
Horner

The altimeter/Air data component

P/N 5934PA-1		S/N 3G193		MFG: United		Pos LH #1	
Altitude Feet	Indicated Actual	Altitude Feet	Indicated Actual	Press. Hg. In	Alt. Diff.	Ind. Diff.	Tol. Feet
-1000	-1000	22000	21940	28.10	-1727	-1720	25
0	0	25000	24950	28.50	-1340	-1350	25
500	500	30000	29940	29.00	-863	-865	25
1000	1000	35000	34920	29.50	-392	-400	25
1500	1500			29.92	-0-	0	25
2000	2000			30.50	531	520	25
3000	3000			30.90	893	880	25
4000	4000			30.99	974	965	25
6000	5980			Case leak 100' max -11'			
8000	7980			Hysteresis			
10000	9950			% of	Actual		
12000	11950			Scale	down		Tol.
14000	13950			50%	+10		75'
16000	15940			40%	+10		75'
18000	17940			After Eff.	+05		30'
20000	19940			Date Completed: 01/20/10			
				CRS# Y6KR128B WO# 10003			

Registration

Manufacturer

N142MP

Mooney

MZ

I certify that the altimeter and static systems required correspondence, required by 91.413, have been performed E and F.

#1 LH Altimeter Model 5934PA-1

Serial N

#2 RH Altimeter Model Not Installed

Serial N

Transponder Model GTX 330

Serial N

Encoder Model SSD 120 XA RS232

Serial N

The altimeter was tested to 35,000 feet.

The Encoder data correspondence was tested to 35,000

Maintainer

The Aircraft and/or component(s) listed above has been inspected
Details on file at Skymark Av

Date: January 10, 2010 Authorized Signature: [Signature]

CRS# Y6KR128B

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 at Repair Facility. (See back pages for other specific entries.)
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Skymark Aviation LLC

P.O. Box 188
Horner, WV 26372

Registration	Manufacturer	Model	Serial Number	Time
N142MP	MOONEY	M20L	26-0023	TACH-200

ACFT TT 2086


PERFORM ANNUAL INSPECTION I/AW FAR PART 43 APPDX D. LUBRICATE AIRFRAME. SERVICE BOTH ACFT BATTERIES WITH WATER & TOP CHARGE. REPLACE RH TE POSITION BULB. INSPECT & CLEAN ENGINE INDUCTION AIR FILTER. C/W FUEL FILTER. ELT OPS CHECK & INSPECTION, DM ELT 6 S/N 130339E, REPLACE BATTERY PACK DUE AGAIN NOV-2012. C/W AD 76-45-10-101 07/03/01 IGN SWITCH OPS CHECK-GOOD. ALL AD'S C/W AND RESEARCHED THRU 010/10 ATP.

Maintenance Release

The Aircraft listed above has been repaired and/or inspected in accordance with current FAA regulations and has been found airworthy for return to service.

Date: October 05, 2010

Authorized Signature: Timothy P McDaniel IA 3466682

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.)
11/11	2096.3			Cleaned and tensioned flux valve connector. Performed mag cal on Sandell SW3308. Repair wiring in yoke (pilot). No new faults noted at this time. I certify that this work has been performed IAW applicable reg's data and FAR's and has been determined to be in airworthy condition.
				<div data-bbox="249 476 1265 963"> <p> Tach 2096.3 5-11-2011 N142MP Repaired two broken wires on autopilot interrupt switch. Troubleshoot Sandell system, checked KG102 and flux valve wiring and connections. Cleaned and tensioned connectors and reseated. Mag calibrated system. Operationally tested system, checks good. I certify that this repair has been performed and inspected in accordance with current manufacturers data, current FAR's and good practice and was found to be in airworthy condition. </p> <p>  5-11-11 J. Eric Hubbard AP3450863 date ProAv Aircraft Services LTD </p> </div>

YEAR: _____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
DATE			

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

11/08/2011

Mid Atlantic Aviation Inc.
 Williamsburg, VA



Aircraft: M20L N#: 142MP Tach: 2126.6 TT: 2126.6

Performed Annual Inspection IAW CFR Title 14 Appendix D inspection checklist. Inspected ELT IAW FAR 91.207(d), battery due 11/2012. Complied with AD 76-07-12 by ops check, no defects noted. Next due 2226.6. Serviced hydraulic reservoir and performed gear retraction and extension test, no defects noted. Replaced right outboard brake pad with new P/N 066-10500. Tightened nose gear main truss bolt to remove play. Replaced fuel cap O-rings with new MS29513-338 and MS29513-010. Adjusted main landing gear doors to close completely. Lubricated landing gear at all points and performed gear retraction and extension test. Performed emergency gear extension test. No defects noted. I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in Airworthy condition at this time.

Kevin Steele
 IA2706053

www.midatlanticaviation.com

D.

N142MP

Description of Inspections, Tests, Repairs and Alterations

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

YEAR:

2012

RECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
TIME IN
SERVICE


DATE

April 12

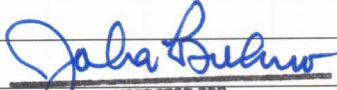
2156.2

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CW AD 2012-05-09 VISUAL Pen MOD
\$B 20-313A PARA 1.1, 1.2, 1.3, 1.4, 1.5,
1.7, 1.8, 1.10, 1.11, 1.12, + 1.13 FOUND
CORRECT STACK POSITION Pen Figure 330
+ FOUND NO DEFECTS Pen VISUAL ON HULL
BOLTS - AIRCRAFT RETURNED TO SERVICE —



INSPECTOR FOR
RICK AVIATION, INC. CRS#IMR104F
NEWPORT NEWS, VA

YEAR: 2012 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.)
				N142MP
6-26	2174.4			INSTALL new 600-6 6PLY Combon Tire LT. + RT. MAINS S/N #5 1012\$00543 LT - RT S/N 0340\$00557 - new 500x5 6PLY nose Tire Combon S/N 1063\$00226 SERVICE Tire's PACK Bais-INSTALL, Tongue & SAFETY wheels.
				 INSPECTOR FOR RICK AVIATION, INC. CRS#IMR104F NEWPORT NEWS, VA

YEAR: 2012 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 Facility. (See back pages for other specific entries.)
8-15	2190.3			Removed worn packs/Lining from M/G Brake sys. Inspected Rotors with limits. Installed new Lining/pack ops check good no leaks Raymond Richardson INSPECTOR FOR RICK AVIATION, INC. CRS#MF104F NEWPORT NEWS, VA
8-20 2012	2191.6			INSTALL NEW LT. + RT. Landing gear BULBS G64596 - OPS check SERVICE John Baker INSPECTOR FOR RICK AVIATION, INC. CRS#MF104F NEWPORT NEWS, VA

N142007

INSPECTOR FOR
RICK AVIATION, INC. CRS#MF104F
NEWPORT NEWS, VA

SERVICE

INSPECTOR FOR
RICK AVIATION, INC. CRS#MF104F
NEWPORT NEWS, VA

YEAR:
2017
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.)

Replace #1 Battery 6-243 filled w/acid
Charge

Newport News, Virginia 23602

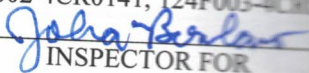
YEAR:
2013

DATE

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
Facility. (See back pages for other specific entries.)

Date: 1/29/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2227.4

Complied with annual inspection. Drain oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Run up engine, leak check ok. Lubricate aircraft, clean fuel screens, service battery and brake reservoir. Installed new left & right brake hoses, P/N: 111417ABB0380S. Service and bleed brakes. Ops leak check ok. Jack aircraft, packed all wheel bearings, and cycled gear, ok. Removed and replaced induction air filter, P/N: 600417-503. Installed new ELT battery. ELT battery due change: 2-2015. Replaced ELT per FAR 91.207D, next test due 1-2014. Removed left & right Nav lens. Fit and installed new Nav lens. Left P/N: L020-210384-001. Right P/N: L020-210384-002. Installed new Comant, P/N: CH-105-4. "L" band antenna. Ops check ok. Installed new right recognition lamp. Ops check ok. Install new TCM gasket, P/N: 649950 on #3 intake gasket flange. Run up engine, leak & ops check ok. Removed left & right Speedbrake assemblies and sent to Precise Flight, Inc. for repair. Installed left & right Speedbrake assemblies after repair by Precise Flight, Inc. See FAA Form 8130-3 for repair data. Ops check ok. Installed new engine fuel & oil hoses per Mod Works IO-550 Engine conversion Instructions for Continental Airworthiness (ICA). Run up engine, leak check ok. Hose P/N: 124F001-6CR0300, 124F001-3CR0480, 124F001-3CR0480, 124F001-4CR0160, 124F001-6CR0220, 124F002-4CR0141, 124F003-4CR0141.


INSPECTOR FORRick Aviation, INC. CRS IVERJME
Newport News, Virginia 23602

YEAR: 2013	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations N142MP Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	Date: 1/29/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2227.4			
	<p> Installed new left & right Nav retainers Nav lamp, left P/N: 210385-005 & right P/N: 210385-006. Installed new left & right Nav lights drop down resistors. P/N: RH-50-7.5. Ops check ok. AD2012-05-09, trim fitting hinge tail - previously complied with on 4-12-2012. AD2012-03-06C, fuel servo, N/A by number & type. AD2012-10-13, N/A by part number. Engine conversion IO-550 AFMS is missing. Researched aircraft records for missing AFMS. Found company that installed this conversion – Mod Works Inc. – no longer in business. Researched internet and found AFMS available from owner on Mooney M20L, N111MM, and S/N: 26-0026. Procured AFMS from owner of N111MM. Verified correct document and inserted into Airplane Flight Manual No. 2. VM1000 Vision Micro System Engine Monitoring System AFMS missing. Researched aircraft records for missing AFMS. Found company that installed this system – Mod Works Inc. – no longer in business. Researched internet and found AFMS available from owner on Mooney M20L, N111MM, and S/N: 26-0026. Procured AFMS from owner of N111MM. Verified correct document and inserted into Airplane Flight Manual No. 2. Speedbrake 2000 Series conversion missing AFMS, ICA and FAA Form 337. Researched aircraft records for missing AFMS & FAA Form 337. </p> <p style="text-align: right;"> <i>Jaha Bonlaw</i> INSPECTOR FOR Rick Aviation, INC. CRS IVIR104F Newport News, Virginia 23602 </p> <p style="text-align: right;">CONT →</p>			

YEAR:

2013

DATE

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
Facility. (See back pages for other specific entries.)

Date: 1/29/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2227.4

Procured aircraft records CD ROM from FAA Aircraft Registration Branch. Copied appropriate FAA Form 337 and put into aircraft records binder. Procured AFMS & ICA documents from Precise Flight, Inc. holder for Speedbrake 2000 series STC. Verified correct document and inserted into Airplane Flight Manual No.2. Inserted ICA document into the aircraft records binder. Auxiliary Fuel Tank conversion missing FAA Form 337. Researched aircraft records for missing FAA Form 337. Procured aircraft records CD ROM from FAA Aircraft Registration Branch. Copied appropriate FAA Form 337 and put into aircraft records binder. Inserted AFMS for Auxiliary Fuel Tanks into Airplane Flight Manual No.2. Sample STC Navigation Display missing AFMS, ICA and Pilot's Guide. Researched aircraft records for missing AFMS, ICA and Pilot's Guide. Procured sample documents from factory for AFMS & ICA. Procured Pilot's Guide via internet. Created new AFMS and FAA Form 337 for field approval by local FAA FSDO Inspector. Created new ICA for review by local FAA FSDO Inspector. Gave above documents to local FAA FSDO Inspector for review/approval. Inserted Pilot's Guide into Pilot Guide/Handbook binder. After FAA Form Approval of AFMS & FAA Form 337: Inserted AFMS into Airplane Flight Manual No.2; Inserted FAA Form 337 & ICA into aircraft records binder. Ryan International 9900 Series TCAD missing AFMS, ICA

Jala Benker
INSPECTOR FOR

Rick Aviation, INC. CRS IVR-104F
Newport News, Virginia 23602

YEAR: 2013	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <i>N142MP</i> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Date: 1/29/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2227.4

and Pilot's Handbook. Procured sample documents from factory for AFMS & ICA. Procured Pilot's Handbook from factory. Created new AFMS and FAA Form 337 for field approval by local FAA FSDO Inspector. Created new ICA for review by local FAA FSDO Inspector. Gave above documents to local FAA FSDO Inspector for review/approval. Inserted Pilot's Handbook into Pilot Guide/Handbook binder. After FAA Field Approval of AFMS & FAA Form 337: Inserted AFMS into Airplane Flight Manual No.2; Inserted FAA Form 337 & ICA into aircraft records binder. Complied with Monroy Aerospace Auxiliary Fuel Tanks' inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Complied with Garmin GNS-530 & GNS-430 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002. Complied with Garmin GDL-49 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 11-8-2002. Complied with Garmin GTX-330 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 1-10-2003. Complied with Sandel SN3308 Instructions for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-B. Complied with Ryan International 9900 Series TCAD Instructional for Continued

Jela Bunkar

 INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
 Newport News, Virginia 23602

Cont

YEAR:

2013

RECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
TIME IN
SERVICE

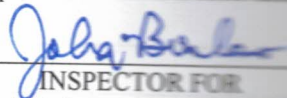
Description of Inspections, Tests, Repairs and Alterations

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

DATE

Date: 1/29/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2227.4

Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-D. Complied with Mooney Micro System VM1000/EC100 Engine Monitoring System Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. Complied with Mod Works, Inc., Mooney M20L Continental IO-550N conversion Instructions for Continued Airworthiness (ICA). Reference Mod Works, Inc., ICA Document Number MW8800-508. Complied with Precise Flight, Inc., 2000 Series Spectra Instructions for Continued Airworthiness (ICA). Reference Precise Flight, Inc., ICA Document Number 08059. Complied with LASAR Nose Gear Truss Oversized Bushing Service Kit Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. #1 alternator field circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. #1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated". Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated".



INSPECTOR FOR

Rick Aviation, INC. CRS FIVE/1046
Newport News, Virginia 23602

N 142 mP

[illegible]

[illegible]

YEAR: _____ 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 Facility. (See back pages for other specific entries.)
------------------------	---------------------------	-------------------	-----------------------------	---

Date: 5/22/13; N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2257.0

Removed gear actuator and motor. Installed overhauled API actuator, P/N: 102000-3, S/N: 121 and overhauled motor, P/N: C145-250, S/N: 60990 and rig per Mooney 20L MM, Chapter 32-30-02. Cycled gear and ops check ok. Checked nose gear and left & right main gears preloads with the following: Nose gear, .068, Left & Right main preload torque, 256 inch lbs., per Mooney 20L MM, Chapter 32-30-01. Lubed actuator rod end and shaft per Mooney MM, Chapter 32-30-04. Cycled gear several times and down cycle with emergency extension, ok. Removed and replaced right main tire, Michelin P/N: 072-314-0, S/N: 2219S00455 and serviced per Mooney M20L service manual.

W.O. # M11807

John Bomlar

INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

Date: 5/22

USE CERTIFICATE

Form Tracking Number
9809

Removed
overhauled
gear

LESS APPROVAL TAG

Lake Aero Styling and Repair

SERVICEABLE

ELECTROMECHANICAL
SYSTEMS

EATON

ACCEPTANCE TAG

P.O. or W.O. A1300041

Project ✓

P/N 17472- A10-85

Description Clutch Springs Kit

Qty. or
Ser. # 50

B/P Rev. G

Accepted By	Date
<u>A&C</u> <u>133</u> <u>QA</u>	<u>2/22/13</u>

3-0412

L

05/16/2013

WIK

INSTALLATION OF A
ON SERVICE

3,0003 by marking
INSET SCREW LOCATIONS
Amps checked

Mechanic

Stephen D. Dine

DATE	TEACH TIME	SERVICE	ENTRIES MUST BE ENDORSED Facility. (See back pages for other specific entries)
6-7-13	2260.0		REMOVED AND REPLACED LEFT STROBE FLASH
			GROUND OPS CHECKED SATISFACTORILY. REMAINS
			REINSTALLED AIRSPEED INDICATOR AFTER OVER
			MID CONTINENT INSTRUMENTS & AVIONICS. REMAINS
			WITH P/D/T/STATIC TEST SET. SYSTEM CHECKED
			NO LEAKS NOTED.
			P/N OFF: EA 5175 - 5PTL-MON S/N OFF: T332
			P/N ON: EA 5175 - 5PTL-MON S/N ON: T332
			William P. Bank III
			INSPECTOR FOR
			RICK AVIATION, INC. CRS#MRT04F
			NEWPORT NEWS, VA

Certifies that unless otherwise specified in Block 13, the work identified in Block 12
Other registration specified in Block 10

YEAR: <u>2013</u>	RECORDING TACH TIME
DATE <u>6-7-13</u>	<u>2260.0</u>

1. Approving National Aviation
Authority/Country:

FAA/UNITED STATES

4. Organization Name and Address:

6. Item:

7. Description:

1

AIRSPEED

13. Remarks:

**THE WORK ORDER REFERRED
ALL WORK WAS PERFORMED**

Certifies that the work specified in block 1
is considered ready for release to service

14. Certifies the items identified above



Approved design data and a

INSPECTOR FOR
RICK AVIATION, INC. CRS#MRT045
NEWPORT NEWS, VA

ations
er of Technical
42MP
FLASH TUBE
SPACES
OVERFLOW
PAW UP
CHECKED
10. # ASS
T3320
T3320

AC MAKE: MOONEY **SPARKCHASERS**

AC MODEL: M20L

AC S/N: 26-0023

____Aircraft Services, Inc.____

AIRFRAME LOGBOOK ENTRY

TACH TIME: 2271.8

HOBBS: -----

A/C REG. #: N142MP

Date: August 26, 2013

Reinstalled Garmin GNS430 Transceiver P/N 011-00280-10 s/n 97109147, repaired by Garmin International under RMA# 58703307, dated 8/8/2013. Verified correct configuration settings in this unit. An operational check was performed and this #2 Comm/Nav/GPS System was found to function normally. Removed #1 GNS530 Transceiver P/N 011-00550-10 s/n 78405004 and shipped to Garmin. Installed Garmin Rental GNS530 Transceiver P/N 011-00550-10 s/n 78409619, inspected by Garmin International under S.O.# 3193663, dated 01/10/2013. Installed and verified configuration settings for this system. Operational checked and found GNS530 to function normally. Aircraft returned to service for above work. WO# 101796 on file at Sparkchasers Aircraft Services, Inc., FAA CRS# XSPR699K.

Signed _____ for

Sparkchasers Aircraft Services, Inc.
FAA CRS# XSPR699K

Technician or Repair

N142MP Tach 2277.4 AIRCRAFT MAINT. LOG ENTRY

#1 GNS530 sn 78405004 was repaired by Garmin under RMA# 59510585. Reinstalled & configured. Functional ramp test OK. The aircraft and/or components mentioned above have been repaired, inspected in accordance with current Federal Aviation Regulations and found airworthy for return to service. Details on file wo# 101796. Sparkchasers Aircraft Services CRS XSPR699K.

Signed _____

FAA CRS XSPR699K

Date _____

SEP 11 2013

Thank You for Choosing Garmin! If you have any questions or concerns please do not hesitate to contact our customer service department. This unit complies with MOD 1 per Garmin's Service Bulletin No. 0019
This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101
This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B
This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207
This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211

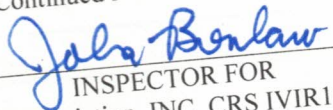
This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev 12

YEAR:

DATE

Date: 3/3/14; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2292.3

Complied with annual inspection. Drain oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Run up engine, leak check ok. Lubricate aircraft, clean fuel screens, service battery and brake reservoir. Ops & leak check ok. Jack aircraft, removed and replaced left main tire, P/N: 072-314-0, service tire to 42 psi and repacked all wheel bearings, and cycled gear, ok. Cleaned and inspected induction filter, due on condition or TT 2727.4. ELT battery due change: 2-2015. Tested ELT per FAR 91.207D, next test due 3-2015. Removed and replaced aft left wing Nav light, P/N: 34-0228030-85. Ops check ok. Removed and replaced tail strobe light, P/N: 01-0770058-13. Ops check ok. Removed and replaced right wing strobe light, P/N: 02-0250276-03. Ops check ok. Removed left & right Speedbrake assemblies and sent to Precise Flight, Inc. for repair. Installed left & right Speedbrake assemblies after repair by Precise Flight, Inc. See FAA Form 8130-3 for repair data. Ops check ok. Complied with Monroy Aerospace Auxiliary Fuel Tanks' inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Complied with Garmin GNS-530 & GNS-430 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002. Complied with Garmin GDL-49 Instructions for Continued Airworthiness (ICA).


INSPECTOR FOR
Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

Y
D
Date: 3/3/14; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2292.3

Reference FAA Form 337 dated 11-8-2002. Complied with Garmin GTX-330 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 1-10-2003. Complied with Sandel SN3308 Instructions for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-B. Complied with Ryan International 9900 Series TCAD Instructional for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-D. Complied with Vision Micro System VM1000/EC100 Engine Monitoring System Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. Complied with Mod Works, Inc., Mooney M20L Continental IO-550N conversion Instructions for Continued Airworthiness (ICA). Reference Mod Works, Inc., ICA Document Number MW8800-508. Complied with Precise Flight, Inc., 2000 Series Speedbrake Instructions for Continued Airworthiness (ICA). Reference Precise Flight, Inc., ICA Document Number 08059. Complied with LASAR Nose Gear Truss Oversized Bushing Service Kit Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. #1 alternator field circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection.



INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

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.)

DATE

Date: 3/3/14; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2292.3

#1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated".
Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated".

FORM RAI-12
3-3-14 2292.3 336.7 336.7 M12001
DATE: A/C TT: ENG TT: PROP TT: W.O. #

I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS
BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND
WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO
SERVICE.

Jola Benlaw
INSPECTOR FOR
RICK AVIATION, INC. CRS#IVIR104F
NEWPORT NEWS, VA

Jola Benlaw
INSPECTOR FOR
Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

RICK AVIATION, INC.

CRS# IVIR104F

ATC TRANSPONDER TEST

MODE 5

Address: 501254771

DATE: 3-7-2014

WORK ORDER: A5557

N#: 142MP

AIRCRAFT MAKE & MODEL: Mooney model

AIRCRAFT OWNER: EBBY HALL

TRANSPONDER MAKE & MODEL: Garmin GTX-330

S/N: 84100823

MODE A CODES: ✓

MODE C CODES: ✓

TRANSMITT FREQUENCY: 1629.7

TRANSMITT POWER: *

See FAR 43 Appendix F(d)

225

RECEIVER SENSITIVITY

(-73 dbm +/- 4 dbm) *LESS THAN 1 dbm DIFFERENCE*

MODE A: -73 ✓

MODE C: -73 ✓

SLS OPERATION: ✓

IDENT OPERATION: ✓

FRAMING PULSES: ✓

INTERROGATION WINDOWS: (Decoder Limits) ✓

Verify transponder manufacturers specifications for make and model.

Set up test equipment per manufacturer's instructions.

CASE LEAK 100 FL.	20	N/A	InHg.	Alt. Diff	Reading
Hysteresis:					
Check Point (50%)	+40		28.10	-1727	-2130
Check Point (40%)	-20		28.5	-1340	-1230
After effect error	+10		29.00	-863	-1250
Static System Leak rate	90	✓	29.50	-392	-720
			29.92	0	-390
			30.50	+531	+135
			30.90	+893	+505
			30.99	+974	+590

Form: RAI-6F

YEAR:

DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

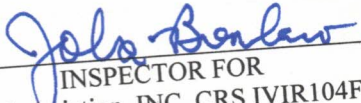
TOTAL
TIME IN
SERVICE

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.)

Date: 8/7/14; N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2325.4

Removed left wheel brake cylinder, removed piston, and clean brake assembly. Installed piston with new "o" ring. Relined brake cylinder. Reinstalled brake cylinder. Serviced brakes. Ops & leak check ok.
W.O. # M12172



INSPECTOR FOR
Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

ING THE BEST POSSIBLE
YOUR AIRCRAFT BATTERIES

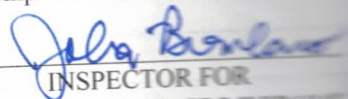
N142MP

YEAR: <u>2015</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
DATE			

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

Date: 4/1/15; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2354.1

Complied with annual inspection. Drain oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Run up engine, leak check ok. Lubricate aircraft, clean fuel screens, service battery and brake reservoir. Ops & leak check ok. Jack aircraft, removed and replaced right main tire, P/N: 072-314-0, service tire to 42 psi. Removed and replaced nose tire, P/N: 072-312-0, serviced tire to 31psi. Repaired wheel bearings, and cycled gear, ok. Cleaned and inspected induction filter, due on condition or 1000 hours. ELT battery due change: 9-2016. Tested ELT per FAR 91.207D, next test due 4-2016. Complied with Monroy Aerospace Auxiliary Fuel Tanks' inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Complied with Garmin GNS-530 & GNS-430 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002. Complied with Garmin GDL-49 Instructions for Continued Airworthiness (ICA).


INSPECTOR FOR
Rick Aviation, INC. CRS IVR114E
Newport News, Virginia 23602

N142MP

YEAR:

2015

DATE

Date: 4/1/15; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2354.1

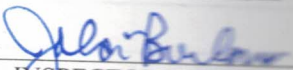
Reference FAA Form 337 dated 11-8-2002. Complied with Garmin GTX-330 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 1-10-2003. Complied with Sandel SN3308 Instructions for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-B. Complied with Ryan International 9900 Series TCAD Instructional for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-D. Complied with Vision Micro System VM1000/EC100 Engine Monitoring System Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. Complied with Mod Works, Inc., Mooney M20L Continental IO-550N conversion Instructions for Continued Airworthiness (ICA). Reference Mod Works, Inc., ICA Document Number MW8800-508. Complied with Precise Flight, Inc., 2000 Series Speedbrake Instructions for Continued Airworthiness (ICA). Reference Precise Flight, Inc., ICA Document Number 08059. Complied with LASAR Nose Gear Truss Oversized Bushing Service Kit Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. #1 alternator field circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection.



INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

N 142 mP

YEAR: 2015 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 Facility. (See back pages for other specific entries.)
				Date: 4/1/15; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2354.1
				#1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph (b)(1)
				ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated"
				Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph (b)(1)
				Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated"
				Removed and replaced #2 battery per Mooney M20L service manual. P/N Off: G-243, S/N Off:
				G02662033, P/N On: G-243, S/N On: G02867241. Complied with AD2014-05-29, N/A by type-cylinder
				factory TCM engine 8-16-05, cylinders not Superior Air Parts.
				W.O. # M12355
				 INSPECTOR FOR Rick Aviation, INC. CRS IVIR314F Newport News, Virginia 23602

**RECOMMENDED FINAL CARE
TAKING THE BEST POSSIBLE
OF YOUR AIRCRAFT BATTERIES**

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.)

4-1-15 2354.1 398.5 398.5 W.O # m12355

Jala Bonlaro
INSPECTOR FOR
RICK AVIATION, INC. CRS#MR104F
NEWPORT NEWS, VA

YEAR:
2015

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 Technical Facility. (See back pages for other specific entries.)

Date: 4/16/15, N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2354.2

Removed and replaced left wing tip aft navigation light. Lamp, P/N: 34-0228030-85, new lens gasket, P/N: 38-0130090-00 and lens, P/N: 68-4250066-30. System ground checked satisfactorily.

W.O. = MIST

William P. Banks

INSPECTOR FOR

Rick Aviation, INC. CRS IVTR104F
Newport News, Virginia 23602

RECOMMENDED PRACTICES
TAKING THE BEST POSSIBLE CARE
OF YOUR AIRCRAFT BATTERIES



Battery Serial Number



G02867193

G243
4-17-2015
N142MP
#1 BATTERY
TACH 2354.1

TELEDYNE BATTERY PRODUCTS
840 W. BROCKTON AVENUE
REDLANDS, CA 92374
www.gillbatteries.com

AR: 015
TE
-17. 2354.2

DAY'S
GHT

TOTAL
TIME IN
SERVICE

Description of Inspection
Entries must be endorsed with Name, Rating and Facility. (See back pages for other specific entries.)

Service + INSTALL new GILL
G-243 BATTERY #1 POSITION
S/N G02867193 OPS CHECK OK

Julia Bulmer
APP 1962398

1. Approving Civil Aviation
Authority/Country:

FAA/UNITED STATES

2.

AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address:

Precise Flight, Inc., 63354 Powell Butte Road, Bend, Oregon, 97701

6. Item:

7.

Description:

8.

Part Number:

1

2

2000 Series Speed Brakes
2000 Series ALC

010S0000

12. Remarks:

010S0059-3, 010S0059-4, AND 010S0301-1 ARE COMPONENTS OF 010S0000
REPAIRED TO ORIGINAL PRECISE FLIGHT, INC. SPECIFICATIONS, WORK C
Rev B. AND 010S0SP0003 REV -.

REFER TO WORK ORDER FOR PARTS USED.

13a. Certifies the items identified above are in Block 12.



☐ Non-approved design data specified in Block 12.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b.

13d. Name (Typed or Printed):

13e. Date (dd/mm/yyyy):

14d.

Day

User/Installer

It is important to understand that the existence of this document alone does not automatically

Where the user/installer performs work in accordance with the national regulations of an airworthiness
Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accept
country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft
national regulations by the user/installer before the aircraft may be flown.

ALTITUDE

ERROR

ERROR

Date

YEAR:

2015

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 Facility. (See back pages for other specific entries.)

N14

DATE

11-05

2382.6

Remove ALTERNATOR 649304R S/N 005AAL
INSTALL OVERHAUL ALTERNATOR 649304
S/N D09H4142 R WITH NEW GASKET - RUN
UP OPS CK + LEAK CK OK

John Bunlaw
INSPECTOR FOR
RICK AVIATION, INC. CRS#MR104F
NEWPORT NEWS, VA

YEAR:
2015
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL

11-05 **2382.6**

GSOFSDDEA39

ASE CERTIFICATE

RTHINESS APPROVAL TAG

3. Form Tracking Number:

INV #:

5. Work Order, Contract, or Invoice Number:

W/O: 115751

tail Louisville, KY 40299

Quantity

10.

Serial Number:

11.

Status/Work;

1

S/N D09HA142R

OVERHAULED

tech of Louisville, Inc. on

15

PU4R453M.

al TW5000

11-5-2015
N142MP
TACH 2382.6

14a.

☒

14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Date: 2/16/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2399.3

Reinstalled Autopilot KC-192, P/N: 065-0042-03, S/N: 51302, Flight Computer after repair from Bevan-Rabell. Reactivated autopilot system--- Removed collar from autopilot circuit and reset circuit breaker. Removed placard from instrument panel "Autopilot Inop". System ground ops check satisfactorily.

W.O. # A5699

1. Approving Civil Aviation
Authority / Country:

FAA / UNITED STATES

2.

AUTHORIZED RELEASE

FAA FORM 8130-3, AIRWORK

4. Organization Name and Address:

BEVAN-RABELL, INC.
1880 S AIRPORT ROAD
WICHITA, KS 67209

6. Item:

7. Description:

1

FLIGHT COMPUTER
KC192

8. Part Number:

065-0042-03

12. REMARKS: REFERENCE SERVICE SHOP REPORT FOR WORK
THIS UNIT WAS REPAIRED AND TESTED IN ACCORDANCE WITH
KING MAINTENANCE MANUAL # 200 5500 20-REV 11 and described in block 12, the work identified in

ter for repair. Deactivated
panel "Autopilot Inop", Per FAR
W.O. # A5699

P. Birk
SPECTOR FOR
ion, INC. CRS IVIR104F
News, Virginia 23602

Certifies that unless otherwise specified in block 12, the work identified in
Block 11 and described in block 12 was accomplished in accordance

MAK
MODE
S/N:

May 18,

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that the a

H Altimeter
chasers A
2016. The a
nder WO#

the below tr
-413 on Work

ponder: Mak

arkchasers A
LA CRS# XSP

Date: 1/22/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2399.3

Reinstalled Autopilot KC-192, P/N: 065-0042-03, S/N: 51302, Flight Computer after repair from
Rahell. Reactivated autopilot system--- Removed collar from autopilot circuit and reset circuit breaker
Removed placard from instrument panel "Autopilot Inop". System ground ops check satisfactorily.

W.O. #

Date: 1/22/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2399.3

Removed Autopilot KC-192, P/N: 065-0042-03, S/N: 51302, Flight Computer for repair. Deactivated
autopilot system--- Pulled & collared autopilot circuit. Placard instrument panel "Autopilot Inop", Per
G.11 & per FAR 91.213, paragraph (d), (3), (ii).

W.O. # A56

William P. Burk III

INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

YE

AC MAKE: MOOI

DA

AC MODEL: M20L

AC S/N: 26-00

Date: May 18, 2016

Repaired leaking static:

I certify that the altimeter

The LH Altimeter, P/N
Sparkchasers Aircraft
 05/18/2016. The assoc
 on file under WO# 1029

I certify the below trans
 Part 91.413 on Work O

#1 Transponder: Make

Signed

Sparkchasers A
 FAA CRS# XSF

ALTIMETER OPERATION RECORD			
Tested in compliance with Appendix E, Part 43, FAA Regulation			
ALTITUDE	SCALE ERROR	FRICTION ERROR	Case Leak
-1000	-5		~30 ft/m
0	0		
500	+5		
HYSTERESIS TEST			
ALTITUDE	READ	DOWN READ	
1000	50%	70%	

TIME: 2412.90

SERVICEABLE CONDITION

Part Name Std. UI AltimeterPart No. 5934PA-1Serial No. 3G193 Acft. No. N142MPRemarks: Certified to 20,000 ftIAW FAR 43 Appendix E.Correlated with SST120-30A-RS232SIN SRA-11332

Owner _____

W.O. No. 102977 Date May 18, 2016Inspector MDP/MLB Cert. # 217711

SPARKCHASERS

aircraft services, inc.

Johnston County Airport (KJNX)

3223-C Swift Creek Road • Smithfield, NC 27577

FAA CRS# XSPR699K

Phone: (919) 934-1654

Email: sparkchasers@mindspring.com

AC MAKE: MOONEY

AC MODEL: M20L

AC S/N: 26-0023

SPARKCHASERS

____ Aircraft Services, Inc. ____
AIRFRAME LOGBOOK ENTRY

TACH TIME: 2412.90

HOBBS: -----

A/C REG. #: N142MP

Date: May 18, 2016

Repaired leaking static system due to loose fitting at VSI.

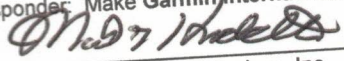
I certify that the altimeter and static system tests and inspections required by FAR 91.411 have been performed.

The LH Altimeter, P/N United Instruments 5934PA-1, S/N 3G193 certified to FAR Part 43, Appendix E by Sparkchasers Aircraft Services, Inc., CRS# XSPR699K, on WO# 102977 was tested to 20,000 ft. on 05/18/2016. The associated altitude reporting system was tested to 20,000 ft. Details related to certification are on file under WO# 102977, dated 05/17/2016.

I certify the below transponder(s) has(have) been inspected and found to comply with the requirements of FAR Part 91.413 on Work Order No. 102977, dated 05/17/2016.

#1 Transponder: Make Garmin International, Model GTX 330, S/N 84100823

Signed


Sparkchasers Aircraft Services, Inc.
FAA CRS# XSPR699K

for

AR: TOTAL
TIME IN
SERVICE

AC MAKE: MOONEY **SPARKCHASERS**

AC MODEL: M20L

———Aircraft Services, Inc.———

AC S/N: 26-0023

AIRFRAME LOGBOOK ENTRY

Date: June 01, 2016

Removed the following equipment: 1 ea. Garmin GNS530 Transceiver at 13.3 in. Antenna at 93.5 in. Installed the following equipment: 1 ea. Garmin GNS530W 01064-40 s/n 78405004 at 13.3 in. and 1 ea. Garmin GA35 WAAS Antenna P/N 013-493.5 in. The above Garmin GNS 530W upgrade was completed in accordance Upgrade Installation Manual Document No. 190-00357-06, Rev. E, dated Jan SA01933LA-D with corresponding Approved Model List (AML). The above Garmin was installed in accordance with STC# SA01695SE-D and Garmin STC Antenna Inst 00569-00, Rev. F, dated 08/2007. Installed the FAA Approved Supplemental Airplan Garmin 500W Series GPS-WAAS Navigation System (Document # 190-00357-03, Rev in the Pilot's Operating Handbook. Instructions for Continued Airworthiness: ICA Inst in Garmin Document No. 190-00357-65, Rev. D, and Document # 190-00673-01, Rev Copies of these documents have been placed in the permanent aircraft records. All other documents pertaining to this major alteration are on file at Sparkchasers Aircraft Swift Creek Road, Smithfield, NC 27577 under Work Order Number 102884, dated 03/0

Signed


Sparkchasers Aircraft Services, Inc.
CRS# XSPR699K

YEAR:	TOTAL TIME IN SERVICE
DATE	

AC MAKE: MOONEY **SPARKCHASERS**

AC MODEL: M20L ——— Aircraft Services, Inc. ———

AC S/N: 26-0023 **AIRFRAME LOGBOOK ENTRY**

TACH TIME: 24

HOBBS:

AC REG. S:

☐ Non-approved design data specified in block 12

N / A

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINESS
--	---

4. Organization Name and Address: GARMIN International 1200 E 151st Olathe, KS 66062 Certif

6. Item:	7. Description:	8. Part Number:	9.
1.	GNS530W,Blk,Upgd	011-01064-40	

12. REMARKS: Upgraded unit to include WAAS capability. Repaired CDU to correct unrelated issues found while testing. optimum performance. Master cleared unit. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to

The Main and GPS Softwares are at the latest revision. This unit complies with these Service Bulletins 1317, 1606, It is the respons
The following Mod's were installed into this unit under its previous configuration prior to it being upgraded and configuration change
This unit complies with MOD 1 per Garmin's Service Bulletin No. 0019.
This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101.
This unit complies with MOD 3 per Garmin's Service Bulletin No. 0111.
This unit complies with MOD 4 per Garmin's Service Bulletin No. 0203B

YEAR:	A.D.	TOTAL	Airworthiness Directives
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AC MAKE: MOONEY **SPARKCHASERS**
AC MODEL: M20L Aircraft Services, Inc.
AC S/N: 26-0023 AIRFRAME LOGBOOK ENTRY

TACH TIME: 2412.90

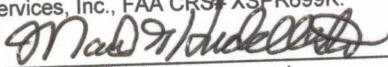
HOBBS: -----

A/C REG. #: N142MP

Date: June 01, 2016

Troubleshoot King KFC150 flight director issues and the interface with Sandel SN3308 EHSI. Found King KI254 Attitude Indicator flight director only rolls in one direction, yet autopilot operation normal. Removed King KI254 and shipped to vendor for evaluation. Reinstalled King KI254 P/N 060-0037-00 s/n 108, overhauled by Pacific Southwest Instruments, FAA CRS# KD3R627L under WO 295804, dated 31 March, 2016. Test flew aircraft and found attitude indicator functioned normally for 30 minutes and failed. Unit returned to PSI numerous times for heat related issues and repaired by PSI under WO# 297273, dated 24 May, 2016. Reinstalled in aircraft and ground checked and found to function normally. Removed Sandel SN3308-00-BL EHSI s/n 1075 and replaced lamp in accordance with Installation Instruction Document # SPN 90122-IM-B1.doc. Reinstalled in aircraft and verified all functions working normally. The aircraft repairs and / or inspections described above have been performed in accordance with current Federal Aviation Regulations and found airworthy for return to service with respect to work performed. WO# 102884 on file at Sparkchasers Aircraft Services, Inc., FAA CRS# XSPR699K.

Signed



for

Sparkchasers Aircraft Services, Inc.
CRS# XSPR699K

YEAR:
2016
DATE

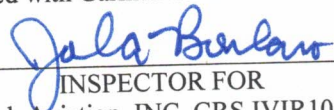
TOTAL
TIME IN
SERVICE

Manufacturers' Mandatory Service Bulletins

Chronological Listing of Compliance and Method of Compliance

Date: 6/16/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2413.8

Complied with annual inspection. Drain oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Run up engine, leak check ok. Lubricate aircraft, clean fuel screens, service battery and brake reservoir. Ops & leak check ok. Jack aircraft, removed and replaced left and right main tire, P/N: 072-314-0, service tire to 42 psi. Removed and replaced nose tire, P/N: 072-312-0, serviced tire to 31psi. Repacked all wheel bearings, and cycled gear, ok. Cleaned and inspected induction filter, due on condition or TT 2727.4. Removed and replaced ELT battery, P/N: BS2173. ELT battery due change: 7-2018. Tested ELT per FAR 91.207D, next test due 6-2017. Complied with Monroy Aerospace Auxiliary Fuel Tanks' inspection per Monroy Inspection & Maintenance Manual, page 24. No defects noted. Complied with Garmin GNS-530, GNS-430, and GA56 (Antenna) Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 5-7-2002 and 5-31-2016. Complied with Garmin GDL-49 Instructions for Continued Airworthiness (ICA).


INSPECTOR FOR

Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602

N142MP

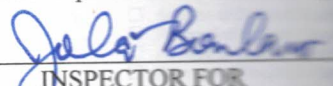
YEAR:

2016

DATE

Date: 6/16/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2413.8

Reference FAA Form 337 dated 11-8-2002. Complied with Garmin GTX-330 Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 1-10-2003. Complied with Sandel SNE308 Instructions for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-B. Complied with Ryan International 9900 Series TCAD Instructional for Continued Airworthiness (ICA). Reference Rick Aviation, Inc., Document Number M11688-D. Complied with Micro System VM1000/EC100 Engine Monitoring System Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. Complied with Mod Works, Inc., Mooney M20L Continental IO-550N conversion Instructions for Continued Airworthiness (ICA). Reference Mod Works, Inc., ICA Document Number MW8800-508. Complied with Precise Flight, Inc., 2000 Series Speedbrake Instructions for Continued Airworthiness (ICA). Reference Precise Flight, Inc., ICA Document Number 08059. Complied with LASAR Nose Gear Truss Oversized Bushing Service Kit Instructions for Continued Airworthiness (ICA). Reference FAA Form 337 dated 8-16-2005. #1 alternator field circuit breaker pull & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection



INSPECTOR FOR

Rick Aviation, INC. CRS IVR104F

Newport News, Virginia 23602

☐ Removal of Required Components

YEAR: 2016 DATE	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange			
		Item	Manufacturer's Name	Model	Serial Number
		Date: 6/16/16; N142MP, Mooney M20L, S/N: 26-0023, Tach Time & Total Time: 2413.8			
		<p>#1 alternator sense circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Placard instrument panel "ALT 1 Field & Sense Deactivated".</p> <p>Aircell system circuit breaker pulled & collared and placard "Inop", per FAR 91.213, paragraph D, 3, ii. Due inspection next annual inspection. Instrument panel previously placard "Aircell Deactivated".</p> <p>Removed and replaced Right recognition light, P/N: 01-0770303-00. System ground checked satisfactorily. Complied with AD2014-05-29, N/A by type cylinders, factory TCM engine 8-16-05, cylinders not Superior Air Parts. Installed 4 each MS29513-338 outer "O" rings on all four left and right fuel caps.</p>			
		W.O. #M12653			
		<p><i>Jola Borden</i></p> <p>INSPECTOR FOR</p> <p>Rick Aviation, INC. CRS IVIR104F</p> <p>Newport News, Virginia 23602</p>			
		<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional			

12. May -
Certifies that unless not

IN
SERVICE

Equipment Addition, Removal or Exchange

Item Manufacturer's Name

DATE: 6-16-16 ACT: 2438

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FAA AND WAS DETERMINED TO BE AIRWORTHY FOR ADDITIONAL SERVICE.

[Signature]
APPROVED
PICT AIRCRAFT RE-INSPECTION
EPT-1011

616
COUNT
TACH 2438

Number of Optional Equipment
Number of Optional Equipment
Number of Required-Exchanged
Number of Required-Exchanged

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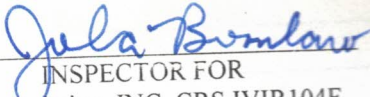
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4a. ☐

Date: 2/12/16, N142MP, Mooney M20L, S/N: 26-0023, Tach Time: 2447.3 W.O. # M12766

Removed left main wing fuel tank top access cover. Found sealant missing at rib 59.25 out board tank rib forward bottom of rib. Cleaned tank rib area and sealed with CS3204A1-2 sealant. Cured for 96 hours. Coat with PR 1005L sealant – two coats. Removed bottom out board tank access cover. Sealed tie down area with CS3204A1-2 sealant. Coat with PR 1005L sealant at 59.25 rib aft. Installed top main tank cover and bottom out board cover with CS3330B1-2 sealant. Fuel tanks and visual inspect after three days. No leaks noted. All work done per Mooney manual 140, chapter 28, pages 6, 7, 8, 9, and 10. Installed new Michelin 6.00x6 6 ply tire, P/N: 072-314-0, S/N: 5321S00042, left main and serviced.


INSPECTOR FOR
Rick Aviation, INC. CRS IVIR104F
Newport News, Virginia 23602