

The Standard

AIRCRAFT LOG

ASA-SA-1

Aircraft Record General Information

Manufacturer MOONEY AIRPLANE CO. INC. Model M20R
Serial 29-0451 Registration Number N527TM
Date of Manufacture 2006

Engine(s) currently installed:

Manufacturer CONTINENTAL Model 10-550-67B Serial 688741
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer HARTZELL 3 BLADE Model PAC-J34F-1RF/F7693DF(B)-2
HUB Model _____ Serial FP4658 B Serial _____
Blade Model _____ Serial K36448 Serial K36441 Serial K36412
Blade Model _____ Serial _____ Serial _____ Serial _____

YEAR: _____ DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks

MAKE: Mooney
 MODEL:
 S/N 29-0451
 REG. NO: 527TM
 WORK ORDER:
 753-07-2006



Premier Aircraft Service,. Inc.

5540 NW 23rd Avenue Hanger 14
 Fort Lauderdale, FL 33309
 Phone: (954) 334-2393

DATE: 7/28/2006
 A/C TSN: 25.5
 TACH: 25.5

Airframe Entries

COMPLIED WITH S/B M20-291A S-TEC AUTOPILOT/FULL FLAP CONDITION REWIRE. AUTOPILOT AND FLAP OPERATION CHECKED OK I/AW THIS S/B.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 7/28/2006

SIGNED:

Raymond Ocasio, A&P: 81604851

Work Order: 753-07-2006

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YEAR: DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks

MAKE: Mooney
MODEL: M20R
S/N: 29-0451
REG. NO: 527TM
WORK ORDER:
915-11-2006



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 11/22/2006
A/C TSN: 35.4
TACH: 35.4

Airframe Entries

INSTALLED OPTIONAL 77 CUBIC FOOT OXYGEN SYSTEM I/AW MOONEY DWG. 870029 WEIGHT AND BALANCE P/O/H
AND EQUIPMENT LIST REVISED. FAA FORM 337 FILED.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES
FUTURE AIRWORTHINESS.

DATE: 11/22/2006

SIGNED:

Jack Wesley Dale, A&P: 456967085

Work Order: 915-11-2006

Printed by EBis 3 (datcomedia.com)

YEAR: 2006 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
6-21			2.9
6-30			4.1

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.)

PRODUCTION FLIGHT TEST COMPLETED THIS
DATE. THIS AIRCRAFT INSPECTED NEW AT
FACTORY AND FOUND TO BE AIRWORTHY.

Rich G. Hill 2121990

THIS AIRCRAFT HAS BEEN FLIGHT TESTED
IN ACCORDANCE WITH MOONEY AIRPLANE
SPECIFICATION 020009 AND FOUND
SATISFACTORY.

Rich G. Hill
PC135W

YEAR: 2006 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.)
6-30			4.1	
		GPS 1		GPS 2
		The GPS Navigation System, Make <u>Garmin</u> Model <u>G1000</u> installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Airplane Co. Specification 020009, and is approved for use under Instrument Flight Rules, Enroute and Non-Precision approaches only. Signed <u>Richard G. Hill</u> Mooney Airplane Co., Inc. <u>PC135W</u>		
		The GPS Navigation System, Make <u>Garmin</u> Model <u>G1000</u> installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Airplane Co. Specification 020009, and is approved for use under Instrument Flight Rules, Enroute and Non-Precision approaches only. Signed <u>Richard G. Hill</u> Mooney Airplane Co., Inc. <u>PC135W</u>		

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.)
				I certify that the altimeter tested to <u>35,000</u> feet on <u>11/16/05</u> and Static System Tests required by FAR 91.411 have been performed. MOONEY AIRPLANE COMP. TC2A3 'PC13SW BY <u>James G. Palmer</u> <u>6/30/06</u>
				I certify that A T C Transponder Tests required FAR 91.413 have been performed. MOONEY AIRPLANE COMP. TC2A3 'PC13SW BY <u>James G. Palmer</u> <u>6/30/06</u>
				I certify that the encoding altimeter tests required by FAR 91.217b have been performed. MOONEY AIRPLANE COMP. TC2A3 'PC13SW BY <u>James G. Palmer</u> <u>6/30/06</u>
				"I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) (Basic) Airworthiness Certificate Dated <u>6/30/06</u>. The next Annual Inspection is due <u>6/30/07</u> SIGNED <u>James G. Palmer</u> <u>DH1B742012SW</u>

DATE

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

ELT BATTERY EXP. MAR - - 2010

MAKE MOONEY
MODEL M20R
S/N 29-0451
REG. NO. N527TM
WORK ORDER
1231-11-2006

Mooney Airplane Company, Inc.

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

DATE 12/7/2006
A/C TSN: 48.9
HOBBS: 48.9

Airframe Entries

(1) Corrected autopilot computer connector to prevent poor contact with rack connector. Reset pitch servo microswitches to 9-11 inlbs. (5) Installed original GIA 63 pn 011-00781-01 sn 48103866, GIA63 pn 011-00781-01 sn 48103896 and GDL69A pn 011-00987-00 sn 47755334. Performed complete software upload and configured for current installation. (8) Removed GIA #1 sn 48103866. Installed GIA #2 sn 48103896 in #1 position. Installed new GIA #2 sn 46905704. Reloaded new software for both GIA's. (11) Replaced LH landing light pn 4596 with new.

The aircraft or components identified above on N527TM 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. 1231-11-2006.

DATE: 12/7/2006

SIGNED:

Brian Kendrick
Certified Repair Station No. CRS# MPYR456X

Work Order: 1231-11-2006

Printed by EBis 3 (datcomedia.com)



Aircraft Log

Date: 10/27/2006

Hobbs: 33.5

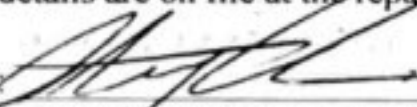
WO#: 5316

Reg#: N527TM

Aircraft S/N: 29-0451

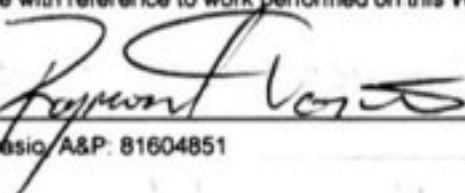
Swapped #1 and #2 GIA63's, performed configuration and ground checked system without discrepancy IAW the G1000 Line Maintenance and Configuration Manual. Current #1 GIA63 s/n 48103896, current #2 GIA63 s/n 48103866

MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

Signature: 

FAA CRS VQVR013Y

Vero Beach Avionics, Inc. Vero Beach, FL. 32960 (772) 299-0770

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.)
	MAKE: Mooney MODEL: M20R S/N: 29-0451 REG. NO: 527TM WORK ORDER: 917-11-2006	 Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393		DATE: 11/22/2006 A/C TSN: 35.4 TACH: 35.4
	Airframe Entries INSTALLED MIDWEST M20 SALES AND SERVICE STC SA02193CH IAW CHAPTER 3 OF MANUAL M1029-4 REV B DATED 2/24/2006. ELECTRONICS INTERNATIONAL TACHOMETER INSTALLED PER SECTION M1029-5 rev.2.10. PROPELLER GOV CONVERTED FROM A C290D3/T45 TO A C290D/T20 TO ALLOW ENGINE TO TURN 2700 MAX RPM. INSTALLED AVPOWER STC SE02930AT IAW CHAPTER 3 OF MANUAL AP1003-7 rev.B,DATED 9/30/2004. WEIGHT AND BALANCE AND P/O/H REVISED. FAA FORM 337 FILED.			
	This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.			
	DATE: 11/22/2006	SIGNED:  Raymond Ocasio, A&P: 81604851		Work Order: 917-11-2006 Printed by EBis 3 (datcomedia.com)

YEAR: 2007 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.)
07-02-2007				Hobbs Time 72.5 Total Time 72.5 Airframe inspected IAW Mooney service and maintenance manual. JACK aircraft-perform normal and emergency gear retraction test. Comply with SB M20-293 Gear actuator motor inspection. Reinstall Gear box and check gear retraction and serviced landing gear. Clean and repack all wheel bearings. Check brakes. Removed fuel sending unit and inboard lower closeout panels on Rlt wing tank to reseal with Semkit PR-1428 B-2 sealant. Cleaned bulkhead at sending unit of PRC and Reinstalled sender. Filled tank with fuel to check for leaks-satisfactory. Aircraft ground run to check performance and systems. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.  AIP 2796043 IA

[illegible]

Description of Inspections, Tests, Repairs and Alterations

N 527TM

Airframe

Work Order:

R-002017

The Hangar Inc

Date: 06/24/08

ATT: 100.4

ATC: N/A

HM: 100.4

Make: Mooney

Model: M20R

S/N: 29-0451



Drained and serviced oil with 8 quarts of ASW 15W50 . Cut and inspected filter with no contaminants visible, installed new filter P/N CH48109- Performed engine run and leak checked good in accordance with Mooney M20-R maintenance manual chapter 79-00-00.

The speed brake logic box was removed and sent to the manufacture Precise Flight, Inc. for repair. The logic box was inspected and reinstalled after receiving it back from Precise Flight Inc. Performed a functional check on the speed brakes and they checked good. This was accomplished in accordance with the Mooney Maintenance Manual 27-96-00.

P/N

S/N

Off: 10S0301-1

Off: ALC1228

On: 10S0301-1

On: ALC1228

The aircraft, engine, propeller, or appliance above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details on file at this agency under WO# R

Authorized Signature:

The Hangar Inc.

CRS# T0HR155Y

425 Jame Rudd Rd., Batesville, MS 38606

YEAR:	RECORDING TACH TIME	TODA FLIGH
DATE		

20,000	130	
22,000	140	
25,000	155	
30,000	180	
35,000	205	
40,000	230	
45,000	255	
50,000	280	

10,000	22,220	712.00	05
12,000	20,570	096.81	00
12,000	18,000	044.41	00
14,000	17,573	085.24	00
16,000	15,214	045.75	10
18,000	14,842	005.00	00
20,000	13,790	401.63	00
22,000	12,436	427.91	00
24,000	11,405	370.91	00
26,000	10,712	320.00	00

comply

or Repair

I certify that the ATC Transponder

Model Cessna GTX 33

S/N 89102692

as installed in this aircraft has been tested as required by FAR 91.413 and meets the requirements of Part 43 Appendix F for Class I or II operation. W.O. 14553

Bondurant Avionics, INC

Phone: (622) 895-2297

FAA REPAIR STATION #SU4R531M

Authorized Signature [Signature] Date Apr 6, 2009

Make & Model GTX 33

S/N 18101921 246905704

W/O 14553

Signature [Signature]

Date Apr 6, 2009

Altitude and Static System Tests performed to comply with FAR 91.411. Altitude has been tested to 35,000 ft.

Make & Model United 5934PR

S/N 451195

W/O 14553

Signature [Signature]

Bondurant Avionics, Inc.

Metro Airport

11299 Airport Rd.

Olive Branch, MS 38654

Phone: (662) 895-2297

FAA Repair Station #SU4R531M

YEAR: 2009 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.)
4/9/09	106.3		106.3	Annual inspection completed this date. Inspected and serviced IAW Mooney M20R Maintenance Manual. Facked aircraft. Cycled and greased gear. Checked emergency gear extension. Checked tires and brakes. Serviced brake fluid. Checked batteries. Checked all lights. Replaced left aft wing nav light bulb. Replaced ELT batteries. Replace by 4/10. C/w FAR 91.207.(d) by insp. and ops check. AD 2008-02-06 not applicable by installation of Stech AutoPilot. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. — Doug Spill AIP 3191078 IA

YEAR: 2010	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.)
4/4/10	106.9	106.9		Annual inspection completed this date. Checked and serviced aircraft in accordance with Mooney M20R maintenance Manual, checked gear. Checked tires and brakes. Checked batteries. CUV FAR 91.207(d) by insp. and ops check of ELT, ELT batteries good till 4/11. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Douglas Spiller-ATP 3141078

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL	Description of Inspections, Tests, Repairs and Alterations	or Repair
		MAKE MOONEY MODEL M20R S/N 29-0451 REG NO N527TM WORK ORDER: 2133-06-2010		 Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kerrville, TX 78028 Phone: 830-792-2911	DATE 8/13/2010 A/C TSN 126 6 HOBBS 126 6
		Airframe Entries (1) Upgraded Garmin G1000 Software to 0401.30. Revised airplane flight manual..(2) Installed Avidyne TAS600 (TAS processor pn 70-2420-[8TAS600] sn M102108083, Transponder coupler pn 70-2040 sn M101805615, Bottom Antenna pn 69-2411 sn 8338, Top antenna pn 69-2410 sn 8271) refer to form 337 dated 8/13/2010..(3) Recoated LT & RT fuel tank unsealed areas with A2 and redcoat..(9) Performed Annual inspection and service in accordance with Mooney M20R service and maintenance manual. Lubed landing gear grease points and repacked wheel bearing. Lubed rodends and guide blocks. Performed landing gear retraction and emergency extension tests. Replaced ELT batteries with new Duracell MN1300 Exp. Mar 2013. FAR 91.207d (1-4) ELT inspection passed. Replaced fuel cap orings with new. Performed test of AMSAFE AAIR System using Diagnostic Tool pn 508668-201..(22) Reset G1000 flap limits for correct flap position indication..(25) Resealed 4 corner screws and washers under FWD wingwalk and installed new FWD wingwalk material..(27) Replaced blown charge circuit fuses..(28) Replaced cabin door seal pn 340124-9001 with new and shimmed for quite cabin..(32) Replaced oil pressure transducer and manifold pressure transducers with new per Mooney Drawing 940171-509..(34) Downbled brakes to remove congealed hydraulic fluid at LT & RT brake calipers..(35) Rigged overhead air control for complete air shutoff..(37) Replaced air oil separator with new Air Wolf AFC-W311-D system refer to form 337 dated 8/13/10..(38) Replaced overhead switch panel with new pn 062452-507..(39) Installed Flashing Beacon at Station 137 in accordance with Mooney Type Design Drawing Number 950272. Revised weight & balance and equipment list..(42) Troubleshoot LH fuel qty inaccurate. Replaced LH INB fuel qty transmitter pn 610242-001 with new and recalibrated LT & RT fuel tanks with new 0401.30 software..(45) Performed Challenger Induction Air Filter ICA by cleaning and recharging induction air filter - due @ 226 hours..(47) CW Mooney SI M20-109 by retorquing nose through bolt to 300 inlbs..(48) Performed Annual ICA to Precise			

[illegible]

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Entries must be endorsed with Nar Facility. (See back pages for other:
				I certify that the ATC Transponder Model: <u>GARMIN GTX33</u> S/N: <u>89102692</u> as installed in this aircraft has been tested as required by FAR 91.413 and meets the requirements of Part 43 Appendix F for Class I or II operation. W.O. <u>15102</u> Bondurant Avionics, INC Phone: (622) 895-2297 FAA REPAIR STATION #SU4R531M Authorized Signature: <u>[Signature]</u> Date: <u>Aug 19, 2011</u> FORM 4113

Date: Aug 19, 2011

Altimeter and Static System Tests performed to comply
with FAR 91.411. Altimeter has been tested to 35,000 ft.

Make & Model: United INST 5934PA3

S/N: 451195

W/O: 15102

Date: Aug 19, 2011

Altimeter and Static System Tests performed to comply
with FAR 91.411. Altimeter has been tested to 35,000 ft.

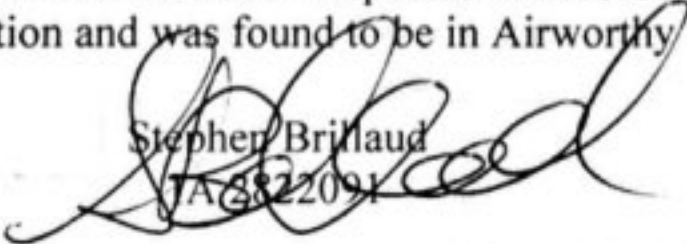
Make & Model: GARMIN C74B/GIA

S/N: 48101921

W/O: 15102

Signature: [Signature]

Bondurant Avionics, Inc.
Metro Airport
11299 Airport Rd.
Olive Branch, MS 38654
Phone: (662) 895-2297
FAA Repair Station #SU4R531M

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.)
				N527TM
				8/19/2011
				Total time and tach 124.7
				Inspected Aircraft in accordance with Mooney Inspection recommendations. Performed all routine items. Inspected all flight controls. Replaced and ops checked ELT Battery NOW due 9/2013 Cleaned induction air filter ,drained fuel sumps, inspected both batteries., greased landing gear and ops checked operation.
				I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in Airworthy condition.
				 Stephen Brillaud JA 8822091

N527TM

9/1/2012

Hobbs: 146.5

s and Alterations

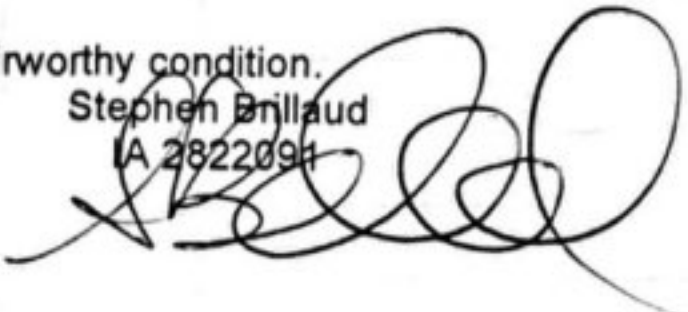
ertificate Number of Technician or Repairman

Inspected Aircraft in accordance with Mooney Inspection guide Performed all routine items. Inspected all flight controls. Serviced IAW the Monney Manual. Replaced Electric fuel pump with overhauled unit Serial # 119428 see 8130 dated Aug 17 2012. Serviced brake system and greased all bearings .

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

Stephen Brillaud

IA 2822091



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.)
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MAKE: Mooney
MODEL: MOOR
S/N: 28-0451
REG NO: N207TM
WORK ORDER
1831-10-2012

Don Maxwell Aviation Services, Inc.

390 Central Road
Longview, TX 75607
Phone: 803-443-6800

DATE: 10/31/2012
A/C: N207TM
FROM: 1831-10-2012

Airframe Entries

(3) Lubed Pilot control shafts... (4) Untwisted Co-pilot seat belt... (5) Replaced missing fastener in cowling... (6) Replaced both main gear shock disc with new Lord J11968-14 Disc... (7) Replaced blown 5 amp fuse in battery compartment for interior lights... (8) Adjust prop for 2700... (9) Adjusted flap potentiometer for Up, TO and DN position... (10) Removed S-tec 55 head, Simile drove unit to Hartsell Avionics for repair. Could not repair, reinstall unit in A/C... (11) Adjusted Alternate air door magnet to hold door closed... (12) Replaced door handle trim Pn. 130336-027

Don Maxwell: 1754010-43P

DATE: 10/31/2012

SIGNED:

Da P.../me

Work Order: 1831-10-2012

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11-6-12

Removed

S-Tec P.W. 01192-6-45TF S.N. 0422-7011

Installed Same P.W. S.N. 0538-8583 Repaired unit supplied by owner - Paul Belkema, ALP351207

Sparrow Inspections LLC

FAR91.413 The Transponder make Garmin
Model GTX 33 and SN 89102692
I Certify the ATC Transponder has been tested and inspected
And found to comply with FAR 43 APP.F.
For details see W.O. 6354
Inspected by [Signature] Date 11-5-2013
Sparrow Inspections LLC. FAA CRS XXYP919L
477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

FAR 91.411 The Altimeter make Garmin
Model GDC 74A and SN 47806426
I Certify the static pressure system, altimeter instrument, and
Automatic pressure altitude reporting system has been tested
And inspected and found to comply with FAR 43 APP.E.
Test to 30 K ft. For details see W.O. 6354
Inspected
by [Signature] Date 11-5-2013
Sparrow Inspections LLC FAA CRS XXYP919L
477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

FAR 91.411 The Altimeter make

Model 5934PA-3 and SN 451195

I Certify the static pressure system, altimeter instrument, and
Automatic pressure altitude reporting system has been tested
And inspected and found to comply with FAR 43 APP.E.

Test to 30 K ft. For details see W.O. 6354

Inspected

by [Signature] Date 11-5-2013
Sparrow Inspections LLC FAA CRS XXYP919L
477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

cian or Repair

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)
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DI

MAKE: Mooney
MODEL: M20R
SN: 381451
REG: NO N527TM
WORK ORDER:
1993-10-2013

Don Maxwell Aviation Services, Inc.

350 Central Road
Longview, Tx 75603
Phone: 936-643-3502

DATE: 11/12/2013
A/C Tach: 138.7
TACH: 138.7

Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings.... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak. Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service helm bearings with tri-flow. Inspect aft trim system. (7) Has K&N filter installed. Cleaned and oiled K&N filter. (8) AD 85-24-03 C/W by Replacement of both inner & outer O-rings on both fuel caps. (10) AD2007-05-04 Engine mount torque PCW. (11) AD2012-05-09 Empennage Trim Fitting & Mounting Hardware Inspection complied with IAW Mooney SB M20-314A. No discrepancy found. (12) FAR 91.411 & 91.413 Certification completed by Sparrow Inspections. (13) Check ELT battery date 11/30/2015 and check operation per FAR91 207D. Installed new Duracell "D" batteries. New due date is above. (14) Completed diagnostic test of Amsafe seat belt system using Amsafe SOT test unit Pn. 508668-201, Sn. 000380

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P 17340501A

DATE: 11/12/2013

SIGNED:

DaPhy

Work Order: 1993-10-2013

Printed by EBis 3 (datamedia.com)

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 for Repair
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DATE

MAKE: Mooney
MODEL: M20R
S/N: 29-1451
REG: NO N5277M
WORK ORDER
2175-01-2015

Don Maxwell Aviation Services, Inc.

300 Tenthon Road
P.O. Box 11143
Tampa, FL 33611-0143
Phone: 813-441-9600

DATE: 2/13/2015
A/C SER: 1883
TACH: 1883

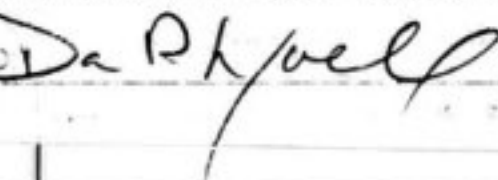
Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Static horn, flight controls & rigging, magnetos, engine controls, instrument readings. (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with Tri-flow. Service central vacuum & garter filter. Inspect lift trim system. (7) AD84-26-02 Paper Induction Air Filter N/A. Cleaned and oiled K&N filter. (8) AD85-24-03 complied with by replacement of both inner O-rings and outer O-rings in each fuel cap. (9) AD2012-05-09 Empennage Trim Fitting & Mounting Hardware Inspection complied with IAW Mooney SB M20-314A. No discrepancy found. (10) FAR-91.411 & 91.413 next due 11/30/15. (11) Check ELT battery date NOV 2015 and check operation per FAR91.207C. (12) Completed diagnostic test of Amsafe seat belt system using Amsafe SDT test unit Pn. 508663-201, S/n. 000380. (13) Adjusted R flap 31degrees, flaps extended & adjusted R aileron from 0 degrees to 1 degrees down. (14) Lubed shock tower with Tri-Flow. (15) Removed lower fuel access panel due to leak. Resealed panel with CS3330B2 and reinstalled.

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P 11340621A

DATE: 2/13/2015

SIGNED



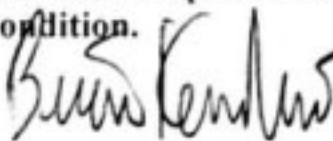
Work Order: 2175-01-2015

Printed by EBis 3 (datcomedia.com)

DATE

11/20/2015 N527TM Mooney M20R sn 29-0451 GTach / TT 200.9 hrs

Performed Annual Inspection and Service in accordance with Mooney M20R 100 Hour-Annual Inspection Guide and Service and Maintenance Manual #161. Checked flight controls for correct limits and travel. Greased landing gear grease points. Lubed all rodends. Cleaned and lubed brake caliper guide pins. Performed landing gear retraction and emergency extension tests. Replaced Lt & Rt brake linings with new and downbled brakes to supply fresh hydraulic fluid at brake calipers. Filled hydraulic reservoir. Performed Precise Flight 2000 Series Speedbrakes ICA by inspection and lubrication. Reinstalled oxygen bottle after hydrostatic test - next hydrostatic test due Oct 2020. Accessed Rt flap inb rodend hardware, tightened and resafted. Replaced lower flap takeoff microswitch and rigged flap indicator. Replaced Lt aircraft battery with new RG24-15 sn 40753586. Replaced Rt aircraft battery with new RG24-15 sn 40770266. Rigged alternate air door closed. Replaced AmSafe EMA with overhauled 508358-421 sn RA10NOV15-7 - exp 11/2022 - AmSafe Annual ICA test passed. Reinstalled voltage regulator pn A25EAM sn T3K188 after repair by Zeftronics. Replaced Rt fuel tank quick drain with new. Replaced cabin air inlet duct with new. CW Mooney SB M20-320 by inserting page in POH. FAR 91.207(d)(1-4) tests passed. AD 2014-15-18 NA by serial number. Researched AD's thru Bi-Weekly 2015-23 dated thru Nov. 15, 2015. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and is determined to be in Airworthy condition.



Brian Kendrick 3279145 IA

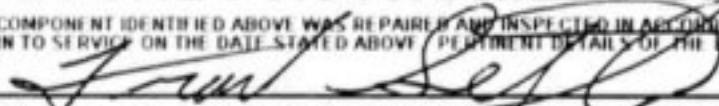
YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations MAKE: <u>MOONEY</u> MODEL: <u>M20R</u> N NUMBER: <u>N5277M</u> TIME: <u>2036</u> or Repair
				FAR 91.413 TRANSPONDERS AND ALTITUDE REPORTING SYSTEMS
				✓ PT43 APPX F. TXP #1 <u>6TX33</u> S/N <u>89102692</u>
				<u>N/A</u> PT43 APPX F. TXP #2 <u>N/A</u> S/N <u>N/A</u>
				✓ PT43 APPX E.C. INTEGRATED SYSTEM TEST ON <u>20NOV15</u>
				FAR 91.411 ALTIMETERS AND ALTITUDE ENCODERS
				✓ PT43 APPX E. AIRDATA COMP <u>60674A</u> S/N <u>47806426</u> TO <u>35</u> KFT
				<u>N/A</u> PT43 APPX E. LT. ALT. <u>N/A</u> S/N <u>N/A</u> TO <u>N/A</u> KFT
				✓ PT43 APPX E. RT. ALT. <u>59348A-3</u> S/N <u>451195</u> TO <u>35</u> KFT
				<u>N/A</u> PT43 APPX E. ALT. ENC. #1 <u>N/A</u> S/N <u>N/A</u> TO <u>N/A</u> KFT
				<u>N/A</u> PT43 APPX E. ALT. ENC. #2 <u>N/A</u> S/N <u>N/A</u> TO <u>N/A</u> KFT
				✓ PT43 APPX E. A. STATIC SYSTEM TESTED ON <u>20NOV15</u>
				FOR DETAILS SEE WO NO <u>25867</u> DATED <u>20NOV15</u>
				The required tests and inspections, as marked, were performed in accordance with current approved procedures and the equipment and/or systems used complied with all requirements
				SIGNED <u>E. K.</u>
				CERT NO. <u>2688017</u>
				MCKEE AVIONICS, INC. SAN MARCOS, TEXAS 78666 CRS-EEKR429K

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.)
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REG NO	<u>N527TM</u>	CHANDLER AVIATION INC	DATE	<u>02/24/16</u>
MODEL	<u>M20R</u>	CHANDLER MUNICIPAL	WO#	<u>53167</u>
S/N	<u>29-0451</u>	CHANDLER, AZ	HOBBS	<u>220.5</u>
ENG MOD	<u>XXXX</u>	(480) 732-9118	TACH	<u>XXX</u>
ENG S/N	<u>XXXX</u>		TOTAL	<u>XXX</u>

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE  AUTH. NO. 2307335 A&P

Install new static wick to R/H, O/B elevator and lightly dress trailing edge with touch up paint. Remove baggage door slider and file down the guide edge. Lube slider and reinstall. Ops checks satisfactory. Removed Left and right speed brakes and controller. Shipped for repair per customer request and reinstalled after repair. See FAA form 8130-3 Dated 29 APR 2016 from Precise Flight and W/O 93746 for additional details. Ops checks satisfactory.

END

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.)
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REG NO	<u>N527TM</u>	CHANDLER AVIATION INC	DATE	<u>07/28/16</u>
MODEL	<u>M20R</u>	CHANDLER MUNICIPAL	WO#	<u>53280</u>
S/N	<u>29-0451</u>	CHANDLER, AZ	HOBBS	<u>230.0</u>
ENG MOD	<u>XXXX</u>	(480) 732-9118	TACH	<u>XXX</u>
ENG S/N	<u>XXXX</u>		TOTAL	<u>XXX</u>

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

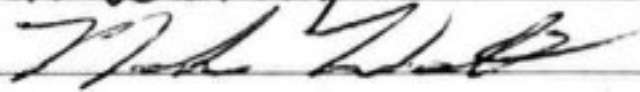
SIGNATURE *M. H. H.* AUTH. NO. 3016498 A&P

Removed door seal and replace with new seal. Re-torque loose housing and power terminal. Ops check satisfactory.

END

[illegible]

YEAR: 2016 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.)
	260.6		260.6	12-21-16 Tach 260.6 TT 260.6 Removed all three wheels Cleaned and lubed wheel bearings inspected brakes and reinstalled. Serviced brake reservoir. operated landing gear in normal and emergency extension. lubed landing gear fittings. replaced ELT D cell Batteries with new duracell batteries dated March 2025. inspected and tested ELT per 91.207. Installed owner supplied Battery minder harness per manufacturer instructions and cuurent FARs and tested for correct polarity and operation. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition <i>Mike Webb</i> A+P 3538354/PA
1-27-17				Removed and Replaced Right wing Fuel Sump drain <i>A+P 3538354</i>

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.)
12-1	345.2			Lubed all flight controls. Lubed Landing gear Renewed and Replaced Right Elevator c/b static wick mount and static wick. + tested ELT per 91.207d batteries dated March 2025 I certify that This Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy Condition  A4P3538984 FA

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.)
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LEMAC AVIATION, LLC
 4550 EAST MCKELLIPS ROAD, SUITE 101
 MESA, ARIZONA 85215

SERVICE #: 1570
 DATE: 4/23/18
 REGISTRATION: N527TM

MAKE: Mooney
 MODEL: M20R
 SERIAL: 29-0451

HOBBS: N/A
 FLIGHT: ~~297.9~~
 383.7

AIRFRAME LOG

- Removed Garmin GTX 33 transponder and associated wiring. Installed Garmin GTX 345 R ADS-B Transponder PN: 010-01217-03 IAW STC SA01714W1 using Garmin Installation Manual 190-00734-10 Rev. 10 Dated February 28, 2018 and FAA AC 43.13-1B/2B. Installed G1000 Interface Card #3 into PFD and configure G1000 for GTX 345R. Wire G1000 TAS600 to Garmin GTX 345R for active traffic.

MATTHEW LAYTON 3629537 A

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.)
5/28/2008				Removed Alternator because of being inop. Rebuilt by Balcan Aero and then replaced same unit. Ops checked ok. <i>James L 1659009 AD</i> <i>serial # 1011944 Part # 649304 TCM AUSA</i>
				Removed and replaced nose gear tire assembly with new and repacked bearings. <i>James L 1659009 AD</i>

YEAR: 12. 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.)										
12/02/2018	Hobbs Tach 0101	1010		12/02/2018 Maintenance eration and o be Satisfactory. ound Satisfactory. cked brakes. ispection and										
Flite Instruments and Avionics 2310 S. Airport Blvd Ste 11 Chandler AZ 85286 CS # 6FIR926C 480-516-0308 <table border="1"> <thead> <tr> <th>Reg.#</th> <th>A/C Make</th> <th>Model</th> <th>S/N</th> <th>Tach/hobb</th> </tr> </thead> <tbody> <tr> <td>N527TM</td> <td>Mommy</td> <td>M20R</td> <td>29-0451</td> <td></td> </tr> </tbody> </table> I certify that the Static and transponder tests, including data correspondence, required by § 91.411 & 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F. Altitude 20,000 ft Date 04/22/18 Work performed by [Signature] Inspected by [Signature] Work Order # 8455 James Wellington AP1659009IA					Reg.#	A/C Make	Model	S/N	Tach/hobb	N527TM	Mommy	M20R	29-0451	
Reg.#	A/C Make	Model	S/N	Tach/hobb										
N527TM	Mommy	M20R	29-0451											

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.)



LEMAC AVIATION, LLC
 4550 EAST MCKELLIPS ROAD, SUITE 101
 MESA, ARIZONA 85215

SERVICE #: 2123
 DATE: 1/20/19
 REGISTRATION: N527TM

MAKE: Mooney
 MODEL: M20R
 SERIAL: 29-0451

FLIGHT: 492

AIRFRAME LOG

- Removed Stec 55X autopilot head due to inop trim. Comply with Service Bulletin SB14-004 by replacing blown fuse FS1. Reassembled Stec 55x and installed. Function check autopilot LAW installation manual.

MATTHEW LAYTON 3629537 A

[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.)
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DATE	5/11/2020	FALCON EXECUTIVE AVIATION, INC.	W.O. #	SVC-10137
REG	N527TM	4766 E. FALCON DR.	TACH	571.1
MODEL	M20R	MESA, ARIZONA 85215	AFTT	
SER #	29-0451	FAA APPROVED REPAIR STATION NO. X0FR185J		

AIRFRAME LOG ENTRY

1. Installed new air condition compressor belt PN: 539547-32.00 and set belt tension iaw M20R M.M. Attached air condition service cart, evacuated 1.5 lbs. Freon, leak checked and serviced to 2 Lbs. Freon. Ground run engine and found A/C pulley on starter adapter slipping. Torqued pulley nut to 500" Lbs. iaw M20R M.M. Ground run engine and function checked air condition. OAT 97°, vent temp 70°.
2. The work identified above was performed in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. AUTHORIZED SIGNATURE: Bruce Brown CRS X0FR185J
Pertinent details of work accomplished on this aircraft are on file at this agency under work order SVC-10137.

-----END-----

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.)
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REG NO N527TM **CHANDLER AVIATION INC** DATE 06/19/20
 MODEL M20R CHANDLER MUNICIPAL WO# 57216
 S/N 29-0451 CHANDLER, AZ HOBBS XXX
 ENG MOD XXXX (480) 732-9118 TACH 573.1
 ENG S/N XXXX TOTAL XXX

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE Burnett Green AUTH. NO. 3471714 A&P

Remove and replace starter adapter after overhaul using new hardware and new gasket. See 8130-3 from Aircraft Engine Specialist Dated 6/16/20 W/O R7075 for additional information. Remove and fuel injector nozzles and reinstall with new seals. Remove and replace starter motor with new. See 8130-3 from Aerospace Components Dated Feb 10, 2020 W/O 20-001 with S/N 2000124 for additional information. Ground run and ops check satisfactory.

END

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.)
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LEMAC AVIATION, LLC
 4550 EAST MCKELLIPS ROAD, SUITE 101
 MESA, ARIZONA 85215

SERVICE #: 2537

DATE: 8/21/20

REGISTRATION: N527TM

MAKE: Mooney

MODEL: M20R

SERIAL: 29-0451

TACH: 580

AIRFRAME LOG

- Removed gfairsheld to gain access to leaking static line. Replace static line between junction and STEC altitude Sensor.
- Removed primary battery and installed new Concorde RG24-15 and function check, no faults found.
- This aircraft is tested and certified that the Static and Transponder tests, including data correspondence required by §91.411 & 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F. Flite Instruments 6FIR926C W/O 8072. 20,000ft

MATTHEW LAYTON A 3629537

YEAR: 21 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.)
1-1	596.4 61000-6136			Removed and replaced both main tires. Checked and checked Flight controls. Complied with AD 12-03-52 by inspection. Complied with AD 17-16-01 by inspection per Airman's instructions for continued Airworthiness. Replaced ELT batteries and tested per 11.207. Step drilled crack in left wing tip Lars I certify That This Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Mark Webb A&P 3538954 IA

[illegible]

YEAR: 2022 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.)
2-12	666.4 - 61000 650.4 T			Removed cowls + inspection panels + cleaned Lubed controls. Replaced ELT Batteries + inspected ELT per 91.207 + Amer. Reg. inst. for cont. Airworthiness. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition Phil Zeff AA3538954IA

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.)
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FALCON AVIATION SERVICES, INC.
CRS X0FR185J

AIRFRAME LOG ENTRY

4766 E. FALCON DR.
 MESA, ARIZONA 85215
 FalconAviationAZ.com
 480-832-0704

Date 8/19/2022
 WO 11516
 Reg N527TM

MAKE: Mooney

MODEL: M20R

S/N: 29-0451

TACH: 682.7

HOBBS: 237.9

Maintenance Performed:

1. Replaced battery Positive Terminal Boot with new PN: MS25171-35.
2. Removed and Reinstalled Mode Selector PN: 01192-6-45 SN: 0538-8883 after repair by S-TEC Corporation, CRS# FF2R818K. Ref 8130-3 WO# R000103696 dated 01/Aug/2022. Operational Check of Electric Trim Satisfactory.
3. The work identified above was performed in accordance with current Federal Aviation Regulations and found to be in airworthy condition. AUTHORIZED SIGNATURE _____ CRS X0FR185J
 Pertinent details of work accomplished on this aircraft are on file at this agency under work order # WO-11516.

END OF ENTRY

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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.)
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FALCON AVIATION SERVICES, INC.
CRS X0FR185J

AIRCRAFT LOG ENTRY

4766 E. FALCON DR.
 MESA, ARIZONA 85215
 FalconAviationAZ.com
 480-832-0704

Date 9/16/2022
WO 11580
Reg N527TM

MAKE: Mooney

MODEL: M20R

S/N: 29-0451

TACH: 683.2

HOBBS: 237.9

Maintenance Performed:

- Adjusted Elevator auto pilot servo cable tension to approx. 20 in-lbs. corrected in reference to M20R Service Manual 22-97-00. Secured turnbuckle with new clips PN: MS21256-1. Operational check good, no further discrepancies noted.

- The work identified above was performed in accordance with current Federal Aviation Regulations and found to be Airworthy for return to service

AUTHORIZED SIGNATURE: _____ **CRS X0FR185J**

Pertinent details of work accomplished are on file at this repair station under work order SVC-11580.

END OF ENTRY

480-516-0308

I certify that the Static, Altimeter and transponder tests, including data correspondence required by § 91.411 & 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F. Altitude:

Date: 04/10/2023

Work Order# 527116

Rating and Certificate Number of Technician or Repair
Specific entries.)

YE



FALCON AVIATION SERVICES, INC.

CRS X0FR185J

 4766 E. FALCON DR.
 MESA, ARIZONA 85215
 FalconAviationAZ.com
 480-832-6704

 Date 7/5/2023
 WO 11786
 Reg N527TM

AIRFRAME LOG ENTRY

 MAKE: Mooney
 AFTT: 6856

 MODEL: M20R
 TACH: 6856

S/N: 29-0451

Inspection Items Accomplished:

1. Annual Inspection per 14 CFR Part 43 Appendix D using Falcon Aviation Services Checklist
2. 14 CFR 91.207(d) ELT Test and Insp of AmeriKing AK-450/451. Battery Expires Jan 2029
3. 14 CFR 91.411 and 91.413 complied with by File Instruments and Avionics CRS# 6FIR926C Reference Log Entry Dated 04/10/2023

Airworthiness Directives Compliance:

1. Reviewed Airworthiness Directives through 2023-14 and Updated Compliance Records as required
2. AD 2017-16-01, Eff Date 10/24/2017 - Ameri-King Corporation ELT Model AK-450, AK-451 Complied with, no discrepancies noted.

Manufacturer Time Limits Inspections, and ICA's

1. 50hr and 100hr inspections of the PreciseFlight SpeedBrakes ICA IAW PreciseFlight doc# 5415MAN0001, rev D.

Maintenance Performed:

1. Replaced left and right brake linings with new P/N: 066-10500. Calipers tie bolts torqued to 90 in-lbs.
2. Replaced left and right fuel cap o-rings with new P/N: MS29513-010 and MS29513-338 in each.
3. Replaced right aft exhaust hangers with new P/N: 630120-503 & 630120-505 IAW Mooney M20R ANM 76-10-00.
4. ELT remote switch battery replaced with new P/N: 1/3N IAW Ameri-King IM-450 manual. Battery dated: 3/2032

I certify that this Aircraft has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. Pertinent details of work accomplished on this aircraft are on file at this agency under work order # WO-11786

AUTHORIZED SIGNATURE

CRS X0FR185J

END OF ENTRY

Tests, Repairs and Alterations

 , Rating and Certificate Number of Technician or Repair
 (specific entries.)



FALCON AVIATION SERVICES, INC.

CRS X0FR185J

AIRFRAME LOG ENTRY

4766 E. FALCON DR.
MESA, ARIZONA 85215
FalconAviationAZ.com
480-832-0704

Date 7/14/2023
WO 11718
Reg N527TM

MAKE: Mooney

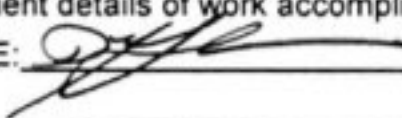
MODEL: M20R

S/N: 29-0451

TACH: 685.6

Maintenance Performed:

1. Replaced Autopilot servo with serviceable unit PN:0108-1-P5 SN: 0629-16360 with reference to Mooney M20R MM 27-40-00
2. Replaced Trim switch with new PN: CA3112-G.
3. Installed Controller PN: 01192-6-45TF SN: 0538-8883 after repair by S-TEC Corporation, CRS# FF2R818K.
Ref 8130-3 WO# R000105764 dated 04/May/2023. Operational Check of system fails.
4. Removed Autopilot controller PN: 01192-6-45TF SN: 0538-8883 and placarded Autopilot System INOP IAW 14CFR 91.213 (d)
Weight and Balance Change Negligible.
5. The work identified above was performed in accordance with current Federal Aviation Regulations and found to be Airworthy
for return to service. Pertinent details of work accomplished are on file at this repair station under work order 11718.

AUTHORIZED SIGNATURE:  CRS X0FR185J

END OF ENTRY



Falcon Aviation Services, Inc. · 4766 E. Falcon Dr. · Mesa, AZ 85215 · 480-832-0704 · CRS#: XOFR185J

N527TM
TACH: 685.6**MOONEY, M20R, S/N: 29-0451****October 27, 2023**

1. Complied with preliminary inspection of aircraft IAW 14 CFR 145.211 (C) (1) (II).
2. Complied with final inspection of aircraft prior to return to service IAW 14CFR 145.211 (C) (1) (VII).
3. Removed Pitch Trim Servo, PN 0106-14-T6, SN 0616-21304-CEFJ.
4. Removed Controller PN 01192-6-45TF, SN 0538-8883.
5. Installed 'REPAIRED' Pitch Trim Servo PN 0106-14-T6, SN 0616-21304-CEFJ by STEC Corporation CRS FF2R818K see 8130 form 54727. Checked motor startup voltage 6 V, running current 0.18 amps. Solenoid current of .12 amps.
6. Installed 'REPAIRED' Controller PN 01192-6-45TF, SN 0538-8883 by STEC Corporation CRS FF2R818K see 8130 form 54939. Performed startup self test successfully.
7. Performed ground checks performed in accordance with General Installation Bulletin No. 600, Sec. III, Ground Checks Procedure, passed. Removed INOP placard. Installation of the Controller performed in accordance with DWG. 76763. Pitch Trim Servo installed in accordance with DWG. No. 76533 Installation Bulletin No. 939-1, Group I, Trim Servo Installation & ground checks, passed.
8. Charged and Reinstalled Left and Right Main Batteries. Operational Check of Batteries Passes.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Falcon Aviation Services, Inc. under work order: SVC-11906.

Lance Terrill CRS XOFR185J



Falcon Aviation Services, Inc. · 4766 E. Falcon Dr. · Mesa, AZ 85215 · 480-832-0704 · CRS#: XOFR185J

N527TM
TACH: 686.4

MOONEY, M20R, S/N: 29-0451

November 16, 2023

1. **#1 Battery needs charged and CAP checked.** – Replaced #1 battery with new Concorde PN RG24-15 SN: 41350416. Battery top charged prior to installation
2. **Per customer request add two quarts of Phillips 20W50 XC oil to the engine.** – Two Quarts Phillips 20W50 X/C added to Engine.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Falcon Aviation Services, Inc. under work order: SVC-11953.

Michael Langlais CRS X0FR185J

A handwritten signature in black ink, appearing to read 'Michael Langlais', is written over a horizontal line.



YEAR

1402 Flightline Drive
Lincoln CA, 95648

DATE

Mooney M20R		N527TM
S/N: 29-0451	07/19/2024	
TACH: 703.6	INVOICE# 15328	

AIRFRAME

Total Time: 703.6

Complied with an annual inspection in accordance with 14CFR FAR 43 Appendix D Checklist

Complied with the following Airworthiness Directives:

1. AD 2017-16-01 (effective date: 10/24/2017) by inspection and operational checks of the AmeriKing ELT unit per Par(g) and AmeriKing Corporation Document IM-450. AD next due Jul/2025.

Complied with the following inspection items:

1. Performed lubrications of wheel bearings. Inspected and lubricated flight controls. Inspected and serviced aircraft battery. Cleaned, serviced and resealed main fuel strainer. All conditional inspection and operational checks per Mooney M20R series AFM and Continental IO-550-G Operations Manuals.
2. ELT annual inspection IAW requirements of FAR 91.207(d). Battery due Jul/2025.
3. Supported aircraft on jack stands and performed several retraction and emergency extension checks in accordance with Mooney M20R aircraft maintenance manual, Chapter 32.
4. Main landing gear shock disks are compressed beyond service limits. Installed all new (p/n: J-11968-14) main landing gear shock disks in accordance with Mooney M20R, AMM, Chapter 32.
5. Replaced nose tire and tube at this time due to wear IAW Mooney M20R, AMM, Chapter 32.
6. Complied with Precise Flight INC. speedbrake annual inspections in accordance with Precise Flight ICA
7. Wing tip strobes inoperative. Found power supply faulty. Installed a used/serviceable power supply (p/n: 0770028-05) and operationally tested wing tip strobe lights satisfactory.

All ground run ups and operational checks are satisfactory.

Lucas Wi. om A&P 4097296 David Dutra A&P 3646377 

I certify that this aircraft has been inspected in accordance with an Annual inspection, is found to be airworthy, and is approved for return to service at this time. Pertinent details of the work performed are contained in shop invoice #15328.

Travis Cassidy A&P 3808389 IA 

I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests as required by § 91.413, including data correspondence, required by § 91.217, have been performed and found to comply with 14 CFR Part 43, Appendix A.

Tested to
W/O# 2
Inspected

4557-06-2025 (06-25-2025)

Page 1 / 1

MAKE: Mooney
MODEL: M20R
S/N: 29-0451
REG. NO: N527TM

Don Maxwell Aviation Services, Inc.
390 Central Road
Longview, Tx 75603

W/O #: 4557-06-2025
DATE: 06-25-2025
A/C TT:
A/C Tach: 747.8

Airframe Entries

(1) Repaired boost pump regulator and returned to customer. This component has been repaired and tested IAW Mooney drawings, schematic's and instructions. Component is returned to service for work performed only.

This component has been repaired and tested IAW Mooney drawings, schematic's and instructions. Component is returned to service for work performed only.

DATE: 06-25-2025

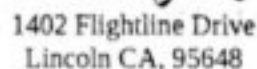
SIGNED:

Don Maxwell

A&P or IA Number: 1784050

WORK ORDER: 4557-06-2025

Printed by EBIS (EBISCloud.com)

[illegible]

Mooney M20R	N527TM
S/N: 29-0451	08/20/2025
TACH: 732.3	INVOICE# 16133

AIRFRAME
Total Time: 732.3

Complied with an annual inspection in accordance with 14CFR FAR 43 Appendix D Checklist
Complied with the following Airworthiness Directives:

1. **AD 2017-16-01** (effective date: 10/24/2017) by inspection and operational checks of the AmeriKing ELT unit per Par(g) and AmeriKing Corporation Document IM-450. AD next due Aug/2026.

Complied with the following inspection items:

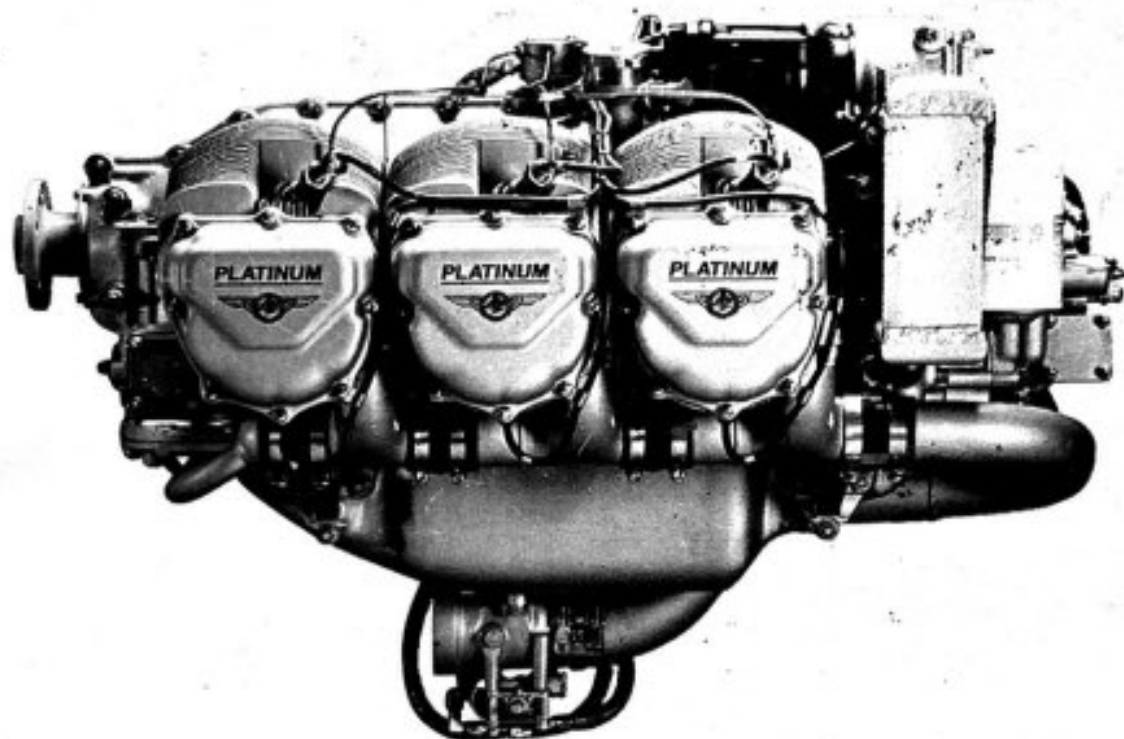
1. Performed lubrications of wheel bearings. Inspected and lubricated flight controls. Inspected and serviced aircraft battery. Cleaned, serviced and resealed main fuel strainer. All conditional inspection and operational checks per Mooney M20R series AFM and Continental IO-550-G Operations Manuals.
2. ELT annual inspection IAW requirements of FAR 91.207(d). Battery due Aug/2026.
3. Supported aircraft on jack stands and performed several retraction and emergency extension checks in accordance with Mooney M20R aircraft maintenance manual, Chapter 32.
4. Aircraft boost pump inoperative. Testing found pump itself faulty. Removed unit and installed an overhauled (p/n: A8152-B, s/n; 71969) Weldon fuel boost pump IAW Mooney M20K AMM, Ch. 28-20.
5. Complied with Precise Flight INC. speedbrake annual inspections in accordance with Precise Flight ICA
6. AC belt tension is low. Reset and secured tension of AC belt as needed.
7. Small crack noted on left wing tip light lens. Stop drilled and filled crack to mitigate spread.
8. Brake hose needs securing on right main landing gear. Secured brake hose with zip-tie as needed.
9. Performed the installation of G100UL unleaded Avgas STC No. SA01967WI and fuel port placard in accordance with installation instructions 06-656003 Rev. IR Dated 04/May/2021. No change in weight and balance.

All ground run ups and operational checks are satisfactory.

I certify that this aircraft has been inspected in accordance with an Annual inspection, is found to be airworthy, and is approved for return to service at this time. Pertinent details of the work performed are contained in shop invoice #16133.

Kevin Macy A&P 3690554 IA

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

ENGINE MODEL 10-550-G(7)B

ENGINE SERIAL NUMBER 688741

AIRCRAFT MODEL Mooney M20R

AIRCRAFT SERIAL NUMBER 29-0451

AIRCRAFT REGISTRATION NUMBER N527TM

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 05/03/2006

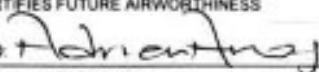
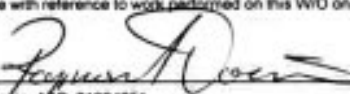
This engine model 10550G7, Serial No. 688741 was manufactured on 05/03/2006 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



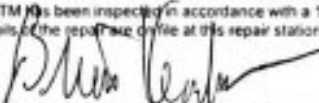
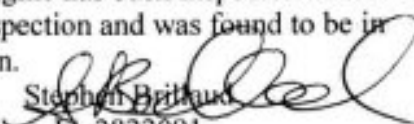
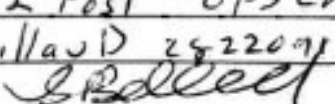
TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
ENGINE MODEL: IO-550-G ENGINE S/N: 688741 REG. NO: 527TM WORK ORDER: 747-07-2006  Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393 DATE: 7/26/2006 A/C TSN: 25.5 ENG TT: 25.5 TACH: 25.5					
Engine Entries CHANGED OIL AND FILTER. SERVICED WITH 8 QTS OF PHILLIPS M 20W50 AND NEW FILTER CH48109-1. ENGINE WAS GROUND RUN AND LEAK CHECKED OK THIS ENGINE WAS GROUND RUN AND LEAK CHECKED OK. APPROVED FOR RETURN TO SERVICE ON THIS DATE. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS DATE: 7/26/2006 SIGNED:  Work Order: 747-07-2006 Adrian Arias, ASP: 2761974 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: IO-550-G ENGINE S/N: 688741 REG. NO: 527TM WORK ORDER: 917-11-2006  Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393 DATE: 11/22/2006 A/C TSN: 35.4 ENG TT: 35.4 TACH: 35.4					
Engine Entries INSTALLED AVPOWER STC SE02930AT IAW CHAPTER 3 OF MANUAL AP1003-7 rev.B, DATED 9/30/2004. WEIGHT AND BALANCE AND P/O/H REVISED. FAA FORM 337 FILED. >>>>INSTALLED M-20 AIR/OIL SEPARATOR MODEL 300-B IAW STC SA02033AT USING INSTALLATION ISTRUCTIONS DATED 8/10/2006. FAA FORM 337 FILED. >>>>REMOVED AND REPLACED LEFT AND RIGHT EXHAUST HANGERS This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS. DATE: 11/22/2006 SIGNED:  Work Order: 917-11-2006 Raymond Ocasio, ASP: 81604851 Printed by EBis 3 (datcomedia.com)					
12-22-06	49.5				CHANGED OIL AND FILTER. SERVICED WITH 8 QUARTS (
HOBBS	49.5				AEROSHELL 15W-50 AND CHAMPION CH48109-1 FILTER.
					GROUND RAN ENGINE, NO LEAKS NOTED. O.K. FOR RETURN
					TO SERVICE. <i>Bennie Kramer 2809646AEP</i>
					DUGOSH AIRCRAFT SERVICE INC
07-02-2007	72.5	72.5			Compression Test: #1 17 1/2 #2 12 1/2 #3 12 1/2 #4 15 1/2
Hobbs	72.5				#5 14 1/2 #6 14 1/2 Drained oil, remove and section filter
					No metal found. Sample taken. Service with 8 Qts
					Aeroshell 15W50 and CH48109-1 filter. Check mag
					timing. Comply with SB M20-294 replacement of
					throttle nut. Check rigging of throttle. Engine
					ground run to check for leaks/performance. I
					certify that this engine has been inspected in
					accordance with an Annual Inspection and was
					determined to be in an Airworthy Condition.
					<i>Jim R</i> AIP 2796043 EA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→		72.5		
04-10-2008	84.1				
Hubbo Time	84.1		84.1		Compression Test: #1 12/60 #2 7/60 #3 7 1/2/60 #4 7 1/2/60 #5 7 1/2/60 #6 7 1/2/60 Drained oil, remove and section filter - No metal found. Service engine with 8 Qts Aeroshell 15W50 and New CL448109-1 CL448109-1. Check mag timing. Clean; gap and rotate sparkplugs. Clean and service Airfilter. All AD's Checked through this Date. Engine ground run to check for leaks/performance - Satisfactory. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition. <i>[Signature]</i> AIP 27960431A
4/9/09	106.3		106.3		Annual inspection. Changed oil. A/S 100 non-det. Compression 180 @ 70, @ 70, @ 72 @ 70, @ 70, @ 70. Removed and reinstalled #6 cylinder due to damaged heli-coil in lower spark plug hole. Cylinder repaired by John Fewell Aircraft, WO# JO 90921. Cleaned and gapped spark plugs. Checked magneto timing. Checked air filter. Ran up and checked for leaks. None noted. I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. <i>[Signature]</i> AIP 31910781A

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
4/2/10	106	9			Annual inspection. Checked compression, checked spark plugs, serviced engine, ran up OK. I certify that this engine has been inspected in accordance with an Annual insp. and was determined to be in airworthy condition. Doug Smith - AA 391078 FA
ENGINE MODEL IO-550-G7-AP ENGINE S/N: 688741 REG. NO: N527TM WORK ORDER 2133-06-2010  Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kerrville, TX 78628 Phone: 830-792-2911 DATE: 8/13/2010 A/C TSN: 126 S ENG TT: 126 S HOBBS: 126 S					
Engine Entries (10) Performed 100 hr inspection and service in accordance with Mooney M20R service manual. Compressions over 80, Master Orifice Reading 60: 1) 69, 2) 72, 3) 73, 4) 72, 5) 76, 6) 72. Cleaned, gapped, tested and reinstalled all sparkplugs. Cleaned, inspected and reinstalled all fuel injectors. Checked magneto to engine timing. Performed engine set up IAW Mooney SI M20-107 and Midwest M20 Sales & Service. Doc M1029-12. (11) Drained oil and removed filter. Filter inspection passed. Installed 8 quarts Phillips 20W50 X/C Oil and new CH48109-1 oil filter. (23) CW TCM SB 09-4A by installation of Air Conditioning Compressor mounting bracket EQ7530. (68) Retorqued valve cover gaskets. (81) Retorqued oil pan bolts to 175 inlbs. I certify that this Engine installed on N527TM has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition. Pertinent details of the repair are on file at this repair station under EBS 3 Work Order No. 2133-06-2010. DATE: 8/13/2010 SIGNED:  Work Order: 2133-06-2010 Brian Kendrick Certified Repair Station No. CRS# MPYR456X Printed by EBS 3 (datcomedia.com)					
N527TM 8/19/2011 Total time and tach, 124.7 Inspected engine in accordance with a 100-hour inspection. Performed all routine items, checked magneto. Timing cleaned induction air filter. A/C power checked OK Compression: 1) 74/80, 2) 73/80, 3) 71/80, 4) 75/80, 5) 70/80, 6) 70/80 I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in Airworthy condition.  Stephen Brillaud IA 2822091					
Nov 19	2011	124.7			Installed New Concord Battery IN #2 Post OPS checked OK S Brillaud 2822091 IA 

Date

ENGINE MODEL IO-550-G Don Maxwell Aviation Services, Inc.
 3300 N. 10th St.
 Reno, NV 89521
 Phone: 775-783-1111
 Fax: 775-783-1112
 Website: www.donmaxwell.com

DATE 11/20/2015
 A/G TSN 138.3
 S/N 29-0451
 P/N 138.3
 TACH 138.3

Brought Forward

Engine Entries

3) Check engine for leaks. Clean & gapped plugs. Serviced injectors. Check mag timing & security. Check intake hoses for leakage. Check exhaust system for leaks. 4) Change oil & filter with 8 qts Phillips XC 20W50 and CH48109-1 oil filter. 5) Compression. Check 1) 67, 2) 62, 3) 63, 4) 66, 5) 68, 6) 72.

certify that this engine has been inspected in accordance with a 100 hr inspection and found in an airworthy condition. Don Maxwell A&P 1784050

DATE 11/20/2015

SIGNED

Don Maxwell

Work Order: 2175-01-2015

Printed by EBS 3 (infocomedia.com)

11/20/2015 N527TM TCM IO-550-G(7)B - AP sn 688741 GTach / TSN 200.9 hrs

Performed Annual Inspection and Service in accordance with Mooney M20R 100 Hour-Annual Inspection Guide and Service and Maintenance manual #161. Performed Hot Compression Test (TCM MO reading of 46) at 80 psi: 1) 78, 2) 78, 3) 78, 4) 78, 5) 79, 6) 76. Cleaned, inspected and reinstalled all fuel injectors with new washers and seals. Reinstalled Lt (10-500556-1 sn D06BA033) & Rt (10-500556-1 sn D06BA032) magnetos after overhaul refer to form 8130-3 dated 12/NOV/2015. Reassembled induction system with new gaskets. Replaced alternator with overhauled pn 649304 sn F611944 refer to 8130-3 dated Nov 6, 2015. Reinstalled original drive hub after slip torque test passed. Verified engine setup meets TCM SID 97-3G and AvPower AP1003-9. AD 2010-11-04 NA by date of manufacture. AD 2012-03-06 NA by fuel system installed. AD 2014-05-29 NA by cylinder assemblies installed. I certify that this Engine has been inspected in accordance with an Annual Inspection and is determined to be in Airworthy condition.

Brian Kendrick

Brian Kendrick 3279145 IA

REG NO	N527TM	CHANDLER AVIATION INC	DATE	02/24/16
MODEL	M20R	CHANDLER MUNICIPAL	WO#	53083
S/N	29-0451	CHANDLER, AZ	HOBBS	213.2
ENG MOD	XXXX	(480) 732-9118	TACH	XXX
ENG S/N	XXXX		TOTAL	XXX

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. FURTHER DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE *Frank Lytle* AUTH. NO. 2307335 A&P

Drained engine oil & serviced with 8 QTS Phil 20W50 oil. AOA sample taken. Cut open filter and visually inspect with no metals found at this time. Installed new oil filter. Ground run and leak check satisfactory.

END

12-2116 Tach 260.6 TT 260.6

Drained oil Removed and replaced oil filter. Serviced with Quarts Phillips 20W50. Removed and replaced Air conditioner compressor belt. Removed and replaced 4 Broken intake clamps. Removed and replaced induction clamp on left side of motor. Cleaned and gapped all spark plugs. Compressions checked as follow: #1-71/80, #2-68/80, #3-71/80, #4-68/80, #5-71/80, #6-64/80. Checked travel and security of all engine controls and lubed.

I Certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Mark Zelt A&P 358554 IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
2017					
Brought Forward	→				
12-1					Tach 245.2 Cleaned Engine. Changed oil and Filter. Removed spark plugs gapped + cleaned and Reinstalled. Compressions checked #1-74/80 #2-66/80 #3-75/80 #4-73/80 #5-73/80 #6-66/80 Liberated all controls and checked for travel. I certify that This Engine has been inspected in accordance with and an annual inspection and was determined to be in an airworthy condition. [Signature] AEP 3538454 PA
12/2/2018					
Hobbs	237.9				
Tach	457.0				
G1000	486.0				
					N527TM Hobbs 237.9 Tach 457.0 G1000 480 12/02/2018 Checked all engine controls for proper operation and lubrication. Checked compression all cylinders, #1 70/80, #2 72/80, #3 72/80, #4 68/80, #5 72/80, #6 66/80. Removed all plugs, cleaned, tested and reinstalled. Checked mag timing. Drained oil and removed old filter. Installed new 48109 filter and replenished new Phillips 20W50 oil to 8 quarts. Cleaned engine then ran to check for leaks, NONE FOUND. I certify this Engine has been inspected iaw a 100 hour inspection and found to be Airworthy this date. [Signature] James Wettrington AP1659009
12-24-2019					
Tach	517.7				
G1000	539.6				
					N527TM Tach 517.7 G1000 539.6 12-24-2019 Cleaned engine for inspection. Changed oil and filter using 8 qts Phillips 20w50 and ch48109 filter. Removed cleaned gapped and reinstalled spark plugs after compression check. Compressions as follows: #1-78/80 #2-78/80 #3-79/80 #4-77/80 #5-78/80 #6-79/80 Cleaned oiled and reinstalled induction air filter. Checked controls for operation. I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. [Signature]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
2021					
Brought Forward	→				
1-1					Cleaned Engine, Cleaned Induction
Tach	596.4				Air filter and Reoiled Cleaned spark
G1000	63.6				Plugs and checked compressions
					#1- 7/80 #2- 6/80 #3 7/80 #4 6/80 #5 7/80 #6 6/80
					Changed O.I and oil filter, Cleaned
					fuel screen.
					I certify that This Engine has
					been inspected in accordance with
					an annual inspection and was
					determined to be in an airworthy
					condition
					MAK RAK AIP 3538954IA
02-12-2022					Removed Air Filter Element,
Tach	1650.4				Cleaned, Oiled and Reinstalled
G1000	666.4				Removed spark plugs, cleaned and
					Reinstalled. Compressions checked
					#1- 6/80 #2- 6/80 #3- 7/80 #4- 6/80
					#5- 7/80 #6- 6/80. Drained oil
					took oil sample, Changed Filter
					and serviced with 8gts Aeroshell
					XC
					I certify that this Engine
					has been inspected in accordance
					with an annual inspection and
					was determined to be in
					an airworthy condition
					MAK RAK AIP 3538954IA



FALCON AVIATION SERVICES, INC.
CRS XOPR185J

ENGINE LOG ENTRY

4788 E. FALCON DR.
MESA, ARIZONA 85211
FalconAviationAZ.com
480.832.5794

Date: 7/5/2023
WO: 11786
Reg: N5277M

MAKE: Continental Motors MODEL: IO-550-Q-AP S/N: 685741
AFTT: 685.6 ETT: 685.6

Inspection Items Accomplished:

- Complied with 100 Hr. Inspection per 14 CFR Part 43 Appendix D using Falcon Aviation Services Checklist.
- Compression Test: (1) 6880 (2) 5080 (3) 6680 (4) 6680 (5) 6680 (6) 6680 (NO) 44/50

Airworthiness Directives Compliance:

- Reviewed Airworthiness Directives through 2023-14 and Updated Compliance Records as required

Manufacturer Time Limits Inspections, and ICA's

- Challenger Air Filter inspected, cleaned and serviced IAW Dec. 4002, rev E
- Airsoft AirSEP Annual ICA Inspection IAW AIC-W380, rev D, section 4

Maintenance Performed:

- Drained oil, removed oil filter, cut and inspected. No defects noted. Installed a new oil filter PN: AA48126. Serviced the engine
- with 8gts Phillips 20W500C oil. Ground run up and leak check ok.

I certify that this Engine has been inspected in accordance with a 100 Hr. Inspection and was determined to be in airworthy condition. Pertinent details of work accomplished on this aircraft are on file at this agency under work order # WO-11786

AUTHORIZED SIGNATURE:  CRS XOPR185J

END OF ENTRY

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-J34F-1RF/F7693DF(B)-2

PROPELLER S/N FP 4658 B

LOGBOOK # 1

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
11-12-2013	Don Maxwell Aviation Services, Inc. 11000 1st Ave Tomball, TX 77375 281-291-1111		
Prop Entries 6. Check propeller for wear and corrosion. Remove propeller from aircraft, check for cracks. Check hub & bolts for leakage & security. Reinstall propeller. 7. Check propeller for wear and corrosion. Remove propeller from aircraft, check for cracks. Check hub & bolts for leakage & security. Reinstall propeller.			
DATE 11-12-2013	SIGNED <i>Don Maxwell</i>	Work Order: 1263-13-2013	Printed by EBS: 3-datamedia.com
12-13-2015	Don Maxwell Aviation Services, Inc. 11000 1st Ave Tomball, TX 77375 281-291-1111		
Prop Entries 6. Check propeller for wear and corrosion. Remove propeller, check for cracks. Check hub & bolts for leakage & security. Reinstall propeller. 7. Check propeller for wear and corrosion. Remove propeller from aircraft, check for cracks. Check hub & bolts for leakage & security. Reinstall propeller.			
DATE 12-13-2015	SIGNED <i>Don Maxwell</i>	Work Order: 1275-15-2015	Printed by EBS: 3-datamedia.com

11/20/2015 N527TM Hartzell PHC-J3YF-1RF sn FP4658B GTach / TT 200.9 hrs.

Performed Annual Inspection and Service in accordance with Mooney M20R 100 Hour-Annual Inspection Guide and Service and Maintenance manual #161. Greased hub with Aeroshell #6. AD 2007-26-09 NA by manufacture date. I certify that this Propeller has been inspected in accordance with an Annual Inspection and is determined to be in Airworthy condition.

Brian Kendrick

Brian Kendrick 3279145 IA

12-21-16 Tach 240.6 TT 240.6

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition

W.H. Zolt HAP 3528554

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
12-1-17			Tach 345.2 I certify that this propeller has been inspected in accordance with the annual inspection and was determined to be in an airworthy condition A&P 3538954IA M.R. [Signature]
12/2/2018			N527TM Hobbs 237.9 Tach 457.0 G1000 480 12/02/2018 I certify this Propeller has been inspected iaw a 100 hour inspection and found to be Airworthy this date. James Wethington AP1659009
Hobbs 237.9			
Tach 457.0			
G1000 480.0			

			N527TM Tach 517.7 G1000 539.6 12-24-2019 I Certify that this Propeller has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. A&P 3538954IA
12-24-19			
Tach 517.7			
G1000 539.6			
1-1-21 596.4			
Tach 596.4			
G1000 613.6			

[illegible]