N2312 Movney 10834 Str. 25-8048] ANGRIAME LOG #2 10/10/99 - 2/4/15



48/A-\$/A-1

Aircraft Record General Information	1
Manufacturer Wooney	Model <u>M20K</u>
Serial 25-0055	Registration Number $N23/L$
pate of Manufacture	
Engine(s) currently installed:	
Manufacturer TCM Mode	7510-360-GB Serial 2374/5R
Manufacturer Mode	Serial
propeller(s) currently installed:	Model 2434c2/6
HUB Model Seria	802740 Serial
Blade Model 90 DH B-168 Serial	897680 Serial B100295 Serial
Blade ModelSeria	Serial Serial

#ODBS *1 98 6 HOURS + HORRS *2 1602.1 HRS = 1700.77 HRS PUSS 450.5 HORBS = 2151.2 HOURS AIRFRAME TOTAL TIME YEAR: RECORDING TACH TIME PLIGHT 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.)	YEAR: RECORDING TACH TIME TACH TIME PATE RECORDING TACH TIME IN SERVICE 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.)
DOTOBLE 10 4 1999 * HOBBS: 450.5 hr. total time in Squice: 2,045.10 hrs * TREMINED PRESIDENCES, LUBER TENDING GAM, CHICLED EMERGENCY	(Francheurs Proce) October 10 1999 Hoss: 450.5 he to tol fine in Source: 2045 10h
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C/W AD 76-07-12 MARKETO SWITCH BY PURCHETEST DIE EURY Will Merine 550.5/m	Contino 10 199 Holes: 450. 5hu total L'ans in Service: 2045.10hm
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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.)	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 energing and Certificate Number of Technician or Repair
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DATE RECOR	DING 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.)	YEAR: ROO! 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.)
also 184	ROOK HOBB	5: 560.16	Lotal time in Sauce: 2/54.70 km	1				602.40hm total time in Service: 2,197.0 hrs.
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YEAR: 200/	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.)	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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	ECT B Petot-	477EL STAD	y Due: Xposes	01-2004 8ps CHECK PEN CFR 9/207(2)			/		The Altimeter Static Pressure system and trans- ponder was inspected to 25,000 feet and was found to comply with FAR 43 Appendix E and F
_A	Cartifo Malura DATE.	repec	I Har hm Au	Detacumed Ato Be in An Acrossotty Constin					Signed Michael Benuto AIRADIO CO. FAA Repair Station A8UR727J
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	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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			PERTINENT DETAILS AGENCY ORYST
1.			M.O. GENERAL AVIATION CO.
			GENERAL TOOMMONING
		-	FULLERTON, CA 926
E75.15			(714) 526-5511 (714) 526-5511 (FAA ARRESOVED REPAIR STATIC BERO74G
			PAA APPENIENT BEFAIL
10			per la Maria de la Maria de Maria de la Maria dela Maria della Mar
		19.	

Complied with Annual inspection per Mooney annual inspection checklist. Compression check: 1) 74, 2) 74, 3) 72, 4) 73, 5) 78, 6) 74 / 80. Oil changed with Aeroshell W100 oil and CH48108 filter. Complied with ELT annual inspection per FAR 91.207. No defects noted. Repaired broken induction inlet mounting plate on "S" duct. Removed engine mount truss from aircraft & sent to Kosola and Assoc (FAA RS# HE4R229M) Truss completely overhauled, painted, returned and reinstalled with new hardware. Removed battery box, cleaned corrosion & treated. Painted with acid-proof paint & reinstalled. Replaced central gyro filter (p/n D9-18-1) with new. Next due in 500 hours. Replaced vacuum relief valve filter (p/n B3-5-1) with new. Next due in 100 hours. Complied with AD# 84-26-02 by replacement of induction air filter. Next due in 500 hours. Fabricated and installed three missing tire pressure placards per AFM/POH. Installed new placards tow limit placards (p/n's 150080-690 and -6005). Replaced both fuel cap o-rings (p/n MS29513-338) with new. Replaced both left and right wheel bearings and races (p/n 13889 and 13836) with new. Replaced both nose wheel bearings and races (p/n 08231 and 08125) with new. Replaced left side brake linings (p/n 066-10500) and one lining pressure plate (p/n 063-01200). Replaced nose wheel inner tube due to leaking valve core seat. Replaced prop control cable with new cable assembly (p/n MW012-03) from Mod Works (STC# SA00942AT). FAA form 337 completed and equipment list updated.

N#: N231L General Aviation Company Inc.	Date: 1/28/04
YEAR: RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations Model#: M20K 3915 W. Commonwealth Ave	Tach: 6 711.1 <i>Ony</i>
TACH TIME IN SERVICE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair WO#: 19766 Facility. (See back pages for other specific entries.)	TT: 2305.7
FAA RS# AGER0/4C	
DATE: 3/26/03 TACHE (70.2	
MECH: QRyal W.O. 19576 certify that this aircraft has been inspected in accordance	ce with annual inspection & was deter-
FULLERTON MUNICIPAL AIRPORT mined to be in airworthy condition. Pertinent details of this	
3915 W. COMMONWEALTH AVE.	
FULLERTON, CALIF. 92633	THIS ELT EQUIPPED WITH ALKA- LINE BATTERY PACK P/N BP-1020 FEB 06
(714) 526-6611 F A A APPROVED REPAIR AGERO74C	MERL, INC. 1777 N. Colony Rd. P. O. Box 188 Meriden, Ct. 06450 WARNING! 30 NOT DISCARD BATTLERY IN HEAT OR FIRE!
STATION#AGERO74C	
Complied with inspection per Mooney annual inspection of	checklist.
Replaced ELT battery with new (p/n BP-1020). Next due I	Feb 2006.
Replaced throttle control attach bolt with new ad safetied.	
Removed existing Mooney TIT probe, indicator and harness. Installed new Electronics Installed several new camlocs (p/n 27S3-) & washers (p/n 27S3-) and sheeted an	
International model # T1P TIT system. Wired E.I. TIT to existing circuit protection. Removed existing Modney T1 probe, indicator and namess: motalized TeV Electronics Replaced stall warning horn (p/n SC628) and checked op	
END International model # 11P 111 system. Whed E.I. 111 to existing direct protection. Reattached door seal with adhesive where required.	
Cleaned corrosion from battery terminals. Cleaned and flu	lushed box as required
END	.ac.ica zex ac required.

DA	19711 CAMPUS DR. · SANTA ANA, CA 92707 JOHN WAYNE AIRPORT (SNA) TEL (949)757-0290 · FAX (949)757-0293 FAA APPROVED REPAIR STATION #YH3R997L OHCEXCH Compass C-2400R SN 18430Y (PST) THE AIRCRAFT COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR REPLACEMENT ARE ON FILE AT THIS AGENCY. DATE: 6/14/04 SIGNED	r Repair	- Model#: M20K 3915 W Commonwealth Ave	121 4 1 1-4
Test terms			END	

EAR: RI		TODAY'S	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Entries must be leading for other specific entries.)	YEAR:	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 Technic Facility. (See back pages for other specific entries.)
τ/	ACH IME	FLIGHT	The Altin	GERDES AVIATION SERVICES FAA Approved Ropair Station G3RR399J meter/Static and Transponder Systems have been inspected to feet, and were found to comply with F.A.R. 43, Appendix E &F. 2310 Date 2-1-05 Signature FAA APPROVED REPAIR STATION G3RR399J mmonwealth Ave. Fullerton CA 92833 Office (714) 525-7545	DATE			Brake Line. Poly flow tubing P/N 44PN and B400-7-2. Replaced Brake Lines P/N 156003-3 and \$56003-35-0221. Replaced Ign, then Switch P/N 10-357210-1, Airframe NOT in airworthy Condition until SB M20-208B Repairs are Rerformed. Jan Wahl 2713446 TA
N65molt	776.0 2370.6 848.6			Annual Inspection. Refaired stoke lights wising. Reflaced O-Rings in Both master cylinders. Replaced Trim Link 8/N 740170-603 and botts ANSH-32, ATT ANSH-15, Nuts AN310-5. Replaced 4 Landing gear shark Diocs on Left side P/N 530021-000. Replaced				- END -

N231L S/N: 25-0055 MODEL: M20K HOBBS TIME: 777.2



DATE: 04-05-05 W.O. #: 14391 TOTAL TIME:

2980 AIRWAY AV,. COSTA MESA, CA 92626 TEL: 714-433-2275

FAA APPROVED REPAIR STATION # JVYR016L

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. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 04-05-05 SIGNED: firsalv

Tubing Cut from Aircraft Frame, New Tubing Welded on New Over side Tubing was Welded to Existing Tubing, all Worked Performed by: Pier Co. 4313A of FAA.

RDING TODAY'S FLIGHT TIME IN SERVICE Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	YEAR:	RECORDING TODAY TACH TIME		Description of Inspections, Tests, Entries must be endorsed with Name, Ratin Facility. (See back pages for other specific of	ng and Certificate Number of Technician or Repair
ODEL Mooney M20K N 25-0055 SG. NO. N231L ATE 06-23-05 Beck balance of rudder, L&R ai/erons and L&R elevators per Mooney Prvice Manual specs. AIRFRAME LOGBOOK INSERT DATE 06-23-05 W.O. # Inv.62735 TACH READ CERT. NO. A&P1761000 Beck balance of rudder, L&R ai/erons and L&R elevators per Mooney Prvice Manual specs. No weight added. End		DATE:	FAA A FT AND / OR C H CURRENT I RTINENT DET	AIRFRAME LOG 2980 AIRWAY AV COSTA MESA, CA 9262 TEL: 714-433-2275 PPROVED REPAIR STATION # JVYR016L COMPONENT IDENTIFIED ABOVE WAS REFEDERAL AIR REGULATIONS AND WAS FAILS OF THE REPAIR / REPLACEMENT SIGNED: Id with new. P/N 24D-561 GT Windshield, 240-5 t Door Window, 240-565 GT L/H Rear Window,	EPAIRED AND INSPECTED IN OUT AIRWORTHY FOR RETURN ON FILE AT THIS AGENCY.

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YEAR: ZOU	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.)	YEAR:	TACH TIME IN SERVICE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1 1 4	1 7560 717.4			Replaced the Bathry with Concord Rt-35 AXC Replaced nose gear touss 1940042-43 PP 2698724	DATE	Aircraft N231L 01 March 2006 Hobbs: 789.7 Replaced ELT battery p/n 11-17920. Next DUE 01/08. Serviced hydraulic reservoir with A/S 5606. Replaced emergency landing gear extension clutch spring p/n 916009-000. I certify this aircraft has been inspected in accordance with an ANNUAL INSPECTION per FAR 43 Appendix D and found to be airworthy as of this date and time.
	- 0,					Michael Jones Michael Jones IA 555617140 END

Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair TOTAL TODAY'S Description of Inspections, Tests, Repairs and Alterations TIME IN FLIGHT Facility. (See back pages for other specific entries.) Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair SERVICE YEL TIME 2005 SERVICE Facility. (See back pages for other specific entries.) DATE October 6 2005 Hopps: 789. 10hm total time in Samice: 2383. 20hr Reprined Broken Corone Crawit for tuen Condinstre, Replaces Reft 5more Comp ASSI Money Plu: 204880, Ki prices top Enjine Cowling oil secree Don Too (Uclas of 182329157 with New Corners Assa Money Plac Kuller, Reprined Engine Conling & Buches Assep As Read Referen Broken Grown power teens Don spring with What 15 12006 Hobbs: 795.50 his fotal time in Service: 2390.10 hu REGISTER CO-P. Cut Sant Balt, untilles Sut Conck stope, New pitch NEW ASST MINNEY Plat: 916008-009, CHANGED Out Vremum Repulstin Contas for the pp: B3-5-1. CHANGED OUT All SCAT trusing for windstiels Defronten trum allain Gums plat 140227-001, Repositions comin Dor Howle, Swing shub Copsin thest systems constalled New Ma forme Extremal plantes CHAMES Compres And Adjustes As Requires. Installed New Compres Correction Como out Cosin flag fuel line complines with New mil-11-6000-6 Hose installed 2/4:1500 800051 NEW Congress CAMO Holsen pln: 820233-000 yestelles The following parenos: Decol Hat Rock 10 CBS. p/n1 1500 30-6021, Decol New Electrical Nepples on peel Quantity transmittere (MS25171-1 1854). Broken Confirment Alu: 150090-6020, Decal Anxiliany Exitp/N: 150030-4041 CHANGED Out Cambing light Cons Ulmen plu: 650213-001 with New Hoog continues Next DAGE->

BORICH - 2006 HABBS: 800, 50hr total time in Jane nician or Repair Instrument prome Visor Lamps inop - trousle Situt puglem to (From Brevious PAGE) (Clanes 15 2006 HIBBS: 795.50 for total come in Jewes. 2590.10 ha System Retension Contral Replaces Represent Contral Williams Place untalles dead ope limit, 6 cm limit, smallite operations p/1: 153090-497, ISINOSGP251 WA Wich fretry Sugalies unit . 6 ps check system - SARSfretry Al Careking in Accompance with Married Service Wildows . Dor plans phi 150080-4005, plants: Parp Si-100 plu: 150080-230, olvens pue files plu: 150080-203, Decel puel selector 36.0 Gol ph: 150080-095. T. S. (clellan 4:19232915) Repaires Panel Visa to Reg'D. All work Done in Accordance with April 25 7200 Hours: 800.50h total time in Samin: 2395.10 L. Money Service (Usuar Also Repaires 3 testie System Datin line (Remos INSTALLED TRUSTED COVEN 135 7 (12/14) P/W: 130308-021. ALCUNICOME 1. Miller A) (232915) in Joansance week Marring Samice alanus A. P 232915) To Willen .

ARE THE PLANT TOTAL PLANT THE IN SERVICE THE TH
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Aircraftsman

Airframe

7000 Merrill Ave Chino Airport Hangar A480/Box 100 (909) 393-0884 (909) 393-0494 FAX Chino, CA 91710

N-Number: Model Number: Mooney M20K Serial Number:

Date: Hobbs: TT:

01/24/08

843.4 2438.0

25-0055

N231L

Engine serviced with Aeroshell 100 oil.

Resealed leaking rivets on right wing fuel cell under wing walk.

Installed new wing walk coating..

Jacked aircraft, inspected complete gear and retraction/extension system.

Performed emergency extension and retraction checks in accordance with Mooney Service Manual.

Adjusted tailpipe clamps.

Replaced turbo band clamp.

R&R fuel flow /MP instrument for fuel flow repair by Otto's Instruments.

Repaired left fuel quantity instrument.

Replaced 3 instrument panel light elements.

Install new tires and tube on left and right main gear.

Service all wheel bearings.

Lube all hinges and zerks.

Inspected ELT In Accordance With requirements outlined in FAR 91.207 (a)(1)(d).

Installed new ELT batterv

CW FAR 43, Appendix E & F. Due again 01/10.

CW AD 85-24-03, Fuel Tank Sealant, c/w IAW Mooney SB M20-229A, dated 2/12/86. Due again @ hobbs 943.4.

All AD's checked thru 2008-02 and found C/W.

ELT battery due 01/10.

Pitot / Static due 01/10

I certify I have inspected this aircraft In Accordance With ap-Annual Inspection and Find It To Be Airworthy.

Mark Wilson A&P178364413IA

Aircraftsman

7000 Merrill Ave Hangar A480/Box 100 Chino, CA 91710

Chino Airport (909) 393-0884 (909) 393-0494 FAX

N-Number: Model Number: Serial Number:

N231L Mooney M20K 25-0055

Hobbs: TT:

862.8 2457.4

03/27/09

Engine serviced with Aeroshell 100 oil.

Jacked aircraft, inspected complete gear and retraction/extension system.

Performed emergency extension and retraction checks in accordance with Mooney Service Manual.

Service all wheel bearings.

Lube all hinges and zerks.

Inspected ELT In Accordance With requirements outlined in FAR 91.207 (a)(1)(d).

CW AD 85-24-03, Fuel Tank Sealant, c/w IAW Mooney SB M20-229A, dated 2/12/86. Due again @ hobbs 962.8.

All AD's checked thru 2009-06 and found C/W.

ELT battery due 01/10. Pitot / Static due 01/10

I certify I have inspected this aircraft In Accordance With an Annual Inspection and Find It To Be Airworthy.

Mark Wilson A&P178364413IA

Aircraftsman

Hangar A480/Box 100

7000 Merrill Ave

Chino, CA 91710

Airframe

Chino Airport (909) 393-0884 (909) 393-0494 FAX N-Number: N231L Model Number: Mooney M20K Serial Number: 25-0055

05/28/10 Hobbs:

Date:

893.1 2487.7

Engine serviced with Aeroshell 100 oil.

Jacked aircraft, inspected complete gear and retraction/extension system.

Performed emergency extension and retraction checks in accordance with Mooney Service Manual.

Adjusted tailpipe clamps.

Service all wheel bearings.

Lube all hinges and zerks. Replaced landing light element.

Inspected ELT In Accordance With requirements outlined in FAR 91.207 (a)(1)(d).

Installed new ELT battery. Next due 06/12.

CW FAR 43, Appendix E & F. Due again 06/12.

CW AD 85-24-03, Fuel Tank Sealant, c/w IAW Mooney SB M20-229A, dated 2/12/86. Due again @, hobbs 993.1

All AD's checked thru 2010-11 and found C/W.

ELT battery due 05/12.

Pitot / Static due 05/12.

I certify I have inspected this aircraft In Accordance With an Angual Inspection and Find It To Be Airworthy.

Mark Wilson A&P178364413IA

Aircraftsman

7000 Merrill Ave Chino Airport Hangar A480/Box 100 Chino, CA 91710

(909) 393-0884 (909) 393-0494 FAX

N-Number: Serial Number: 25-0055

N231L Model Number: Mooney M20K

Airframe 09/19/11 Hobbs: 902.7

2497.3

Engine serviced with Aeroshell 100 oil.

Jacked aircraft, inspected complete gear and retraction/extension system.

Performed emergency extension and retraction checks in accordance with Mooney Service Manual.

Service all wheel bearings.

Lube all hinges and zerks.

Replaced fuel hose from fuel pump to servo.

Replaced right main fuel drain valve.

Inspected ELT In Accordance With requirements outlined in FAR 91.207 (a)(1)(d).

CW AD 85-24-03, Fuel Tank Sealant, c/w IAW Mooney SB M20-229A, dated 2/12/86. Due again @ hobbs 943.4.

All AD's checked thru 2011-19 and found C/W.

Pitot / Static due 01/10.

I certify I have inspected repairs performed to this aircraft and Approve it For Return To Service.

Mark Wilson A&P178364413IA

YEAR: RECORD TACH TIME DATE	FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs Entries must be endorsed with Name, Rating and Cer Facility. (See back pages for other specific entries.)	rtificate Number of Technician or Repair	TACI			Description of Ins Entries must be endors Facility. (See back page	ed with Name, Rating a	and Certificate N	terations lumber of Technician or Repair
7000 M Hanga Chino, During 09/19/ Additi- due 05 I Cert	/11 was in fact of the fact of	Chino Airpo 0 (909) 393-04 (909) 393-04 w of the log book un Annual Inspec	Model Number: Mooney M20K 494 FAX Serial Number: 25-0055 s, it was discovered that I neglected to declare that the inction and the aircraft was found to be airworthy. / static and transponder certification was erroneously list rue and correct.		7000 M. Hanga Chino, I certi positio safe fo	ion with the ci for intended f	Chino Airport (909) 393-0884 (909) 393-0494 e inspected this ircuit breaker overny flight.		gear has been disa	Date:	

Airframe Aircraftsman 01/10/13 Date: N231L N-Number: Chino Airport 7000 Merrill Ave 910.6 Mooney M20K (909) 393-0884 Model Number: Hangar A480/Box 100 2505.2 Serial Number: 25-0055 (909) 393-0494 FAX Chino, CA 91710 Engine serviced with Aeroshell 15w-50 oil. Jacked aircraft, inspected complete gear and retraction/extension system. Performed emergency extension and retraction checks in accordance with Mooney Service Manual. Service all wheel bearings. Lube all hinges and zerks. Inspected ELT In Accordance With requirements outlined in FAR 91.207 (a)(1)(d). Installed new ELT 9 battery. Next due March, 2015. Installed new vacuum and gyro filters. Replaced over 30 stainless screws. AD 85-24-03, Fuel Tank Sealant, c/w IAW Mooney SB M20-229A, dated 2/12/86. Due again @ hobbs 943.4. CW AD 2012-05-09, Empennage Trim Fitting and Mounting Hardware, in accordance with AD text and SB M20-313A, dated Feb. 29/2012 and SB M20-314A, dated Feb. 29/2012.

All Applicable AD's Researched and Found To Have Been Complied With through 2013-01.

Altimeter, static system, pressure altitude reporting system and transponder inspection completed by Affordable Avionics Inc, FAA Repair Station number8AAR59. Due again January 2013. 2015.

ELT battery due March, 2015.

I Certify I have inspected this aircraft In Accordance With an Annual Inspection as outlined in the Mooney Service Manual and Approve It For Return To Service.

Mark Wilson A&P178364413IA Mark Hel

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 Repairs.) Facility. (See back pages for other specific entries.)
	N231L	REFORMED 2 REFORMED 2 AW. PART 4 AIRCRAFT CO	FAR 91.411 AMONTH A.T.C 3. APPENDIX F. MPONENT(S) ID OUND AIRWO	OK S/N: 25-0055 WO# 231536 HOBBS: 910.6 TIFICATION OF ALTIMETER, BLIND ENCODER AND STATIC SYSTEM AS LAW. F.A.R. PART 43, APPENDIX E TO 25,000 FT. TRANSPONDER TEST AS REQUIRED BY F.A.R. 91.413 AND ACCOMPLISHED DENTIFIED ABOVE HAVE BEEN INSPECTED WITH REFERENCE TO ALL CURRENT FEDERAL DESCRIPTION TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY. 28 FEB 2013

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.)	or Repair	RECORDING TOE TACH TIME	DAY'S TOTAL GHT 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. 2. 3. 4. 5.	CONTINEMER DRAINED REPLACE SERVICEE BLED LEF AIRCRAFT 04-04-201	OIL AND SEID OIL FILTER O AND CHAR T BRAKE. T IS APPROV	25-0055 N231L 2519.2 HRS TOTAL TIME 60-GB SN 237415-R 997 HRS TOTAL TIME RVICED WITH AERO SHELL 15/50 WT AD OIL. R. GED BATTERY FED FOR RETURN TO SERVICE IN RELATION TO WORK PREFORMED WARTZENTRUBER G AIR SERVICE		PLANCAS LANCAS LANCAS LITITZ, DATE CERTIFI	Mooney Century A Century A Century A Century A Century A Control Century A C	N231L YI AP PITCH SERVO INGP 1051. NO REPAIR ANTHORIZED. ANTOPIOT INGP 100 1100

Maintenance Release N231L		DATE
Airframe Logbook S/N: 25-005		LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N LOG ID# 3262 03-July-2013 WO# 18192 N231L S/N 25-0055 MOONEY M20K Pg 1 / 2
Replaced fuel cap O-rings IAW SB M20-2	29A, next due 06/2014. Re-	
nired Hobbs meter wiring. Repaired prim	er switch wiring. —END—	**** ITEM # 18192-1 INSTALL NEW AUDIO PANEL **** DISCREPANCY: INSTALL NEW AUDIO PANEL. ACTION: REMOVED KING KMA20 AUDIO PANEL AND INSTALLED NEW PS ENGINEERING PMA8000B AUDIO PANEL IAW AC43.13-18/-2B CHAPTER 2 AND PMA8000BT INSTALLATION MANUAL UTILIZING MANUFACTURER'S HARDWARE. SYSTEM WAS FUNCTIONALLY TESTED AND WAS FOUND TO PERFORM ITS INTENDED FUNCTION WITH NO ADVERSE EFFECTS ON OTHER AIRCRAFT SYSTEMS. WEIGHT AND BALANCE CHANGE NEGLIGIBLE. EQUIPMENT LIST REVISED.
		**** ITEM # 18192-2 INSTALL AUX POWER JACK **** DISCREPANCY: INSTALL AUX POWER JACK. ACTION: REMOVED ORIGINAL CIGARETTE LIGHTER AND INSTALLED AN AUX POWER JACK. OPS CHECKED GOOD.
e aircraft identified above was repaired and inspected in adderal Aviation Administration and is approved for return to	ccordance with current regulations of the oservice. Pertinent details of the repair are on	**** ITEM # 18192-3 INSTACL BELLY COM ANTENNA **** DISCREPANCY: INSTALL BELLY COM ANTENNA. ACTION: INSTALLED COMANT CI122 COM AND CI105 DME ANTENNAS IAW AC43.13-1B/-2B CHAPTERS 2 & 3 AND APPROPRIATE MANUFACTURER'S INSTALLATION MANUALS. WEIGHT AND BALANCE CHANGE NEGLIGIBLE. OPS CHECKED GOOD.
lle at this repair station under Order No: 15708 Certified Re	epair Station No: DY1R103K	**** ITEM # 18192-4 RIGHT STROBE LIGHT INOP **** DISCREPANCY: RIGHT STROBE LIGHT INOP. ACTION: CLEANED CONTACTS ON STROBE LIGHT AND CLEANED GROUND CONNECTIONS. OPS CHECKED GOOD.
	ntangelo Date: June 17, 2013	**** ITEM # 18192-5 ENCODER TYE-WRAPPED BEHIND PANEL ****

ANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N OG ID# 3262 03-July-2013 WO# 18192 1231L S/N 25-0055 MOONEY M20K	Pg 2 / 2
** ITEM # 18192-6 LIGHTING INOP **** SCREPANCY: LIGHTING INOP. TION: GLARESHIELD, INSTRUMENT, AND RADIO LIGHTING INOP. FOUND POWER FUSE HOLDERS UNDER CB PAN TION: GLARESHIELD, INSTRUMENT, AND RADIO LIGHTING. CUSTOMER DERRED REPAIR. NO FURTHER ACT E EXTREMELY INTERMITTENT CAUSING INOPERATIVE LIGHTING. CUSTOMER DERRED REPAIR. NO FURTHER ACT KEN.	NEL TO
** ITEM # 18192-7 PANELS MISSING STRUCTURAL SCREWS **** SCREPANCY: PANEL MISSING STRUCTURAL SCREWS. TION: FOUND INSTRUMENT PANEL ASSEMBLED USING BRASS SCREWS. REMOVED BRASS SCREWS AND INSTALLED RUCTURAL SCREWS.	
THE TERM # 18192-8 TRANSPONDER OFF FREQUENCY **** SCREPANCY: TRANSPONDER OFF FREQUENCY. TION: FOUND TRANSPONDER OFF FREQUENCY. ADJUSTED KING KT76A TO MEET SPEC IAW KT76A SERVICE MAN TO CLEANED CODE SWITCHES. OPS CHECKED GOOD.	NUAL
*** ITEM # 18192-9 EVALUATE C-41 AUTOPILOT **** ISCREPANCY: EVALUATE AUTOPILOT. ITION: PERFORMED EVALUATION OF AUTOPILOT. PROVIDED CUSTOMER WITH WRITTEN ESTIMATE (ON FILE). ISTOMER DEFERRED REPAIRS. NO FURTHER ACTION TAKEN.	
- Mark	-

Henry Weber Aircraft Distributors, Inc.

Maintenance Release

Airframe Logbook

YEAR:

RECORDING TACH

N231L

S/N: 25-0055



Hobbs: 937.6

Installed J.P. Instruments FS-450 Fuel Flow Indicating System IAW STC # SA00861SE using J.P. Instruments Installation Manual FS-550, Report #400, Rev. A, 02/1/2002. Refer to FAA Form 377. Weight & Balance change negligible. Amended aircraft equip ment list and installed approved flight manual supplement in aircraft POH. Installed new G-35 battery, S/N: G02785989. Cleaned battery box corrosion and painted with acid proof paint. Replaced all landing gear shock discs and resealed left brake caliper. Replaced left fuel quantity gage. Replaced vacuum system regulator and gyro filters. Installed vacuum system indicator gage on co-pilot's instrument panel. —END—

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under

Order No: 15754

Certified Repair Station No: DY1R103K

Inspector:

Jeffrey L. Martin

Date: September 19, 2013

540 Airport Road, Lancaster Airport, Lititz, PA 17543

YEAR: TACH TIME TIME RECORDING TACH TIME TODAY'S FLIGHT TIME IN SERVICE RECORDING TODAY'S FLIGHT TIME IN SERVICE 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.)	Henry Weber Aircraft Distributors, Inc. Maintenance Release Henry Weber Aircraft Distributors, Inc. Technician or Repair
LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N LOG ID# 3426 14-February-2014 WO# 18718/1 AC TT 954.5 HOBBS 954.5 N231L S/N 25-0055 MOONEY M20K **** ITEM # 18718-1 TRANSPONDER LOOSES POWER IN AIRCRAFT **** DISCREPANCY: TRANSPONDER LOOSES POWER IN AIRCRAFT. Model: KT76A ACTION: OPS CHECKED IN AIRCRAFT AND CONFIRMED FAULT. REMOVED TRANSPONDER AND FOUND MOUNTING TRAY NOT PROPERLY SUPPORTED AND THE REAR CONNECTOR PINS FLATTENED OUT. REPAIRED MOUNTING TRAY WITH PROPER PROPERLY SUPPORTED AND THE REAR CONNECTOR PINS. REINSTALLED TRANSPONDER, FINAL CHECKS GOOD. WORK SUPPORT AND RETENSIONED REAR CONNECTOR PINS. REINSTALLED TRANSPONDER, FINAL CHECKS GOOD. WORK PERFORMED I.A.W. BENDIX/KING KT76A/78A INSTALLATION MANUAL NO. 006-00143-0006, REV. 6. CRS# LN7R261N SCOTT KUHNS	Airframe Logbook S/N: 25-0055 Hobbs: 953.7 TT: 2654.4 Completed Annual Inspection this date. C/W AD 85-24-03(B) Fuel Caps Inspection IAW SB M20-229A, next due 3/2015. C/W FAR 91.207(d) inspection of ELT S/N: 7446 okay, battery next due 3/2015. Made repairs to both fuel tanks with fresh PRC and top coat sealer. Reinstalled autopilot pitch trim servo after repair by "Autopilots Central." Replaced both aft elevator control rod end bearings. Replaced tail trim link and attaching bolts and bushings. Replaced all gascolator assy O-rings, bushing for gear motor manual cable pulley, and 4 rivets in gear motor support structure. Installed nose gear well aft bulkhead and "LASAR" doubler for belly panel attachment. Replaced firewall lower center firewall panel shim, and tightened loose hardware in gear retraction links and trusses. Replaced nose wheel bearings and cups, repaired both MLG inner doors, adjusted nose gear pre-

YEAR:	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency	YEAR:	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
		loads, and set all gear doors to close tightly in up position. Treated airframe with Corrosion X fluid, refer to card # 14768 for details. Installed new "E.I., Inc." TIT gauge, P/N: T-1P, S/N: 154861. Installed new Whelen tail nav/strobe light assy, P/N: 0R5001V, S/N: 00162, ops check okay. Serviced battery, brake fluid, and wheel bearings. Cleaned fuel gascolator, greased landing gear, and lubed all flight controls. —END— I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Pertinent details of the repair are on file at this repair station under Order No: 15814 Certified Repair Station No: DY1R103K Inspector: Larry J. Snyder Date: March 11, 2014 500-B Airport Road, Lancaster Airport, Lititz, PA 17543			HENRY WEBER AIRCRAFT DIST., INC. Lancaster Airport 500-B Airport Road Lititz, PA 17543-9341 Nº 14768 3-11-2014 TREATMENT DATE I certify that this aircraft has been treated with CorrosionX (Mil-C-81309E) to stop and prevent corrosion. Treatment is effective for 18-24 months, based on environmental conditions. Re-treating is recommended when effectiveness ends - as determined by either time or visual inspection. CRS DYLRIO3K TECHNICIAN'S SIGNATURE A & P NUMBER
					Benjamin M Repairman 27

TOTAL TIME IN SERVICE	N231L Time: 1033.7 FAA CRS ZV8R725X 186 Airport Road Marietta, PA 17547 Removed KN80 RNav system. Removed KY197 VHF Comm. Installed Garmin GTN 650 GPS/Nav/Comm P/N 011-02256-00 S/N 1Z8016886 in top of primary Radio rack below Audio Selector panel. Unit was installed using Garmin supplied mounting rack P/N 115-012934-00 and attached to radio rack using	YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE	Registration: N231L Date: 10-24-14 I certify the Transponder test and inspection required by FAR 91.413 IAW Part 43, Appendix F and the Altimeter and Static System test required by FAR 91.411 IAW Part 43, Appendix E have been performed. The Altimeter has been tested to 20,000 feet and results are on file under Work Order 19.14-170. Signature: Signature: FAA Repair Station ZV8R725X Time: 19.33-7
	industry practices described in AC 43.13-2B chapter 2 para 203 and para 207. System was installed in accordance with Garmin installation manual 190-01007-A3 Rev 7 and Garmin STC SA 02019SE-D and Approved Model List. Installed Garmin GDL88 ADSB System in accordance Garmin Installation Manual 190-0130-00 Rev 3. System was installed to conform to Garmin STC SA02119SE. Installed Garmin GDL-88 Transceiver P/N 011-02369-00 S/N				
	22T002969 on existing aft avionics shelf at Sta. 120.8. Removed altitude Encoder installed new ACK A30.9 Altitude Encoder S/N 133975. System leak and ops check good. Systems were ground tested and found to perform as specified with no adverse effects to other aircraft systems. Aircraft weight and balance was calculated and updated to reflect these changes. Reference 337 dated 10/24/14 for details.				

YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance	YEAR:	Henry Weber Aircraft Distributors, Inc. Maintenance Release
	·	Install shelf I	bs: 1058.0 FAA CRS ZV8R725X 186 Airport Road Marietta, PA 17547 ed Garmin Flight210 P/N 011-003257-10 S/N 3RE000946 on aft avionics F.S. 120.8. System was interfaced to Garmin GTN 650 and Garmin S. System was ground tested and found to perform as specified with		Airframe Logbook S/N: 25-0055 Installed new "Push to Talk" switch on pilot's control yoke—op's checks okay. Repaired Tach indicator wiring—op's checks okay on engine ground run. Lubed flight control hinges. Relamped left and right landing lights. END—
		advers neglig	e effects to other aircraft systems. Weight and balance change was lible. Benjamin M Travis Repairman 2774970		The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on Order No: 15998

YEAR:	T(TI SI	Henry Wel Maintenanc		Distributors, Inc. N231L	-			
			ne Logbook	S/N: 237415-R	Hobbs: 1061.5	ipment uipment changed for Optional xchanged for Optional		
		N: H-0100	0400) with nev	stalled overhauled alternator (P/w drive coupling (P/N: 635796). 's and leak checks okay on enging	Replaced right	ipment uipment :changed for Optional xchanged for Optional		
		—END—				ipment uipment cchanged for Optional xchanged for Optional		
		The componen	nt identified above v	was repaired and inspected in accordance wit	h current regulations of the	uipment uipment cchanged for Optional exchanged for Optional		
		Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under						
		Order No:	15998	Certified Repair Station N	o: DY1R103K	changed for Optional exchanged for Optional		
		Inspector:	500 B Airpoi	Jeffrey L. Martin Da	February 4, 2015 PA 17543	uipment juipment xchanged for Optional Exchanged for Optional		