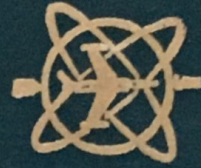


ASA-SA-2

The Standard AIRCRAFT LOG



REPLACE ELT BATTERY BY:
MAY 06

ARTEX AIRCRAFT SUPPLIES, INC.
10714 S. Township Rd. Canby, OR 97013
(503) 266-3959 800-547-8901

LOG BOOK ENTRY June 6-2000

ELT BATTERY REPLACEMENT DATE July 2002

ARTEX AIRCRAFT SUPPLIES, INC.
10714 S. Township Rd. Canby, OR 97013
(503) 266-3959 800-547-8901

LOG BOOK ENTRY 5/96

ELT BATTERY REPLACEMENT DATE June 98

AIRCRAFT RECORD - GENERAL INFORMATION

MANUFACTURER MOOREY MODEL M20K SERIAL 25-0384
 REGISTRATION NUMBER N231U DATE MFG. 1980

ENGINE(S) CURRENTLY INSTALLED. CONTINENTAL MODEL T510360GB SERIAL 309389
 MFG. MODEL SERIAL

PROPELLER(S) CURRENTLY INSTALLED. MC CASKEY MODEL 2A84C216
 HUB MODEL SERIAL 800260
 BLADE MODEL SERIAL 900HB-16E
 BLADE MODEL SERIAL BF-885
 BLADE MODEL SERIAL BF-976



[illegible]

DATE 19 <u>92</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-15-92	198.3		198.3	
				REPLACE ELT BATTERY - EXPIRATION DATE MAY 1994. CHECK ELT OPERATION. CHECK ALL LIGHTS. CHECK PITOT HEAT, CHECK STALL WARNING SWITCH. PULL OXYGEN BOTTLE FOR HYDRO-TEST RE-INSTALL AND RIG CABLE. PULL NOSE GEAR TRUNION AND EXCHANGE BECAUSE OF DAMAGED TUBING-RESEAL INSPECTION PLATE ON UNDERSIDE OF LEFT WING TANK. REPLACE RIGHT FUEL QUICK DRAIN. COMPLY WITH SB M20-230 (AD 85-24-03) ON FUEL TANK DRAIN HOSES. REPLACE FUEL CAP "O" RINGS AS PER SB M20-229A. REPAIR RIGHT OUTER GEAR DOOR SUPPORT BRACE. REPLACE NOSE WHEEL TIRE AND TUBE. REPLACE LEFT MAIN TIRE AND TUBE. REPLACE RIGHT MAIN TIRE AND TUBE. FLUSH BRAKE SYSTEM REPLACE WHEEL BRAKE CYL'S SEALS. BACK BLEED BRAKES. COMPLY WITH M20-208B SERVICE BULLETIN-INSPECT FUSELAGE TUBING AND INSTALL KIT, #208A-1 INSTALL NEW G-35 BATTERY. COMPLY WITH AD 88-25-11, SB 230A-INSTALL KIT M20-239-1, ON BAGGAGE DOOR LATCH. REPLACE MAIN GEAR BUNGEE'S. ADJUST AILERON STOP BOLT IN AILERON CONTROLS. COMPLY WITH SB M20-226 ON ALTERNATE AIR DOOR. COMPLY WITH SB M20-225A ON TURBO CHECK VALVE.
				**SEE NEXT PAGE

[illegible]

[illegible]

DATE 19 <u>93</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4-12				Complied with Annual Insp. opened
TOTAL Time	223.35			all panels Insp & test all controls
TACH	223.35			Pulled & Cleaned Fuel Strainer let
				Aircraft per Moony Maintenance
				Manual Jacked & Chd gear.
				I certify that this Airframe has been
				Inspected in accordance with an
				Annual Inspection and was determined
				to be in Airworthy Condition.
				<i>Don L. IA 44626572</i>
10-7-93				Repaired Fuel leak Left hand Aux
Tach	242.4			Fuel cell Repaired Fuel leak Right
				Hand Fuel cell Main and Aux tanks
				<i>Tom Hall</i>
				<i>382745159</i>

DATE 19 <u>94</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-1				Complied with Annual Inspection
TOTAL TIME -	286.65			opened all panels sup. & lub
TACH - 286.65				Aircraft per Mooney Manual,
				Ched gear. ELT due May 94. owner
				Notified. Serviced battery, serviced
				Brake reserve, greased & lub gear
				Ched Cabin tubular frame for
				Corrosion & OK. Installed misc.
				stainless steel screws. Removed
				all Fuel Caps & installed New
				O-rings & Readjusted to Close.
				Inspected Airframe for Corrosion
				and None Found @ This Time.
				I certify that this Airframe was
				sup. I/pw an Annual Inspection
				& was determined to be in Aircraft
				Condition. Duff FA 44626572

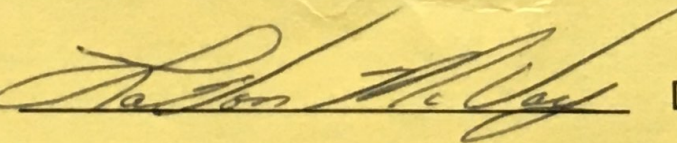
DATE 19 <u>94</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	288.7		288.7	Replaced ELT Battery with new unit And ops checked O.K. New ELT Battery expiration date June 1996. Hal Brannon 1A1ATP 417621366

MAINTENANCE RELEASE

MODEL NO: SKYNAV 5000

SERIAL NO: 4A000324

This appliance was rebuilt in accordance with current FAA regulations and is approved for return to service. Details of this appliance are on file at Magellan Systems under the serial number shown.

Authorized Signature: 

Date: 6/6/94

Magellan Systems Corporation, 960 Overland Court, San Dimas, CA 91773

GPS

11/93

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1935				
6/26/45	TACH	327.8		PERFORMED 100HR AIRFRAME INSPECTION THIS MORNING
	TAF	327.8		SERVICE MANUALS. USED ALL FLIGHT CONTROLS
				AND LANDING GEAR. PERFORMED ENGR. GEAR EXTENSION
				AND CHECKED DOWN LOCK PRELOAD. REPLACED VACUUM
				FILTER, RT NAV LIGHT. REPLACE NOSE GEAR SHOCK
				DISCS AND SHIMMED BTERING HORN. CLEANED FUEL
				STRAINER AND REPAIRED FUEL GAD OBPES
				<i>John A. ...</i>
				AP 215982129
6/26	HOBBS	327.8		ALL A-B's check for compliance thru Rev.
	TAF	327.8		95-16 AS of this Date I HAVE completed
				INSP this Aircraft in accordance with an annual
				INSP. in accordance with FAR APP. "D" and
				as of this Date is Approved for return
				to service
				<i>John A. ...</i>
				AP 215982129

FA 132500692

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS ENTRIES MUST BE ENDED MECHANIC OR REPAIR
19__				

Date 6/26/95 Hobbs
 Transponder KING Mdl KTZ
 was tested & inspected I.A.W. I
 to comply with FAR 43, Appendix
 certified ATC Transponder Test
 system, each altimeter & each
 reporting system was inspected
 1. The static pressure system
 2. The altimeter(s) was/were to
 R.H. SN NA to N/A
 L.H. SN 0124684 to 20,000
 3. The automatic pressure altitude report
 was tested to 20,000 ft. on 6/26/95
 Signed: [Signature] W.O. V2764

AERO MARINE ELECTRONICS
 FAA CRS UY4D587M

MAINTENANCE RELEASE

☐ OHC ☐ REP ☐ BC ☐ WARRANTY

REIDENTIFY PART 43 APPENDIX E

Nomenclature ALTIMETER

Model 10167 S.N. 0124684

This component was repaired and inspected
 in accordance with current F.A.R.'s and is
 approved for return to service.

Date 6-26-95 W.O.# V2764

Signature [Signature]



AERO MARINE ELECTRONICS
 DBA SARASOTA AVIONICS
 FAA CRS UY4D587M

V2764

SERVICEABLE

(COMPONENTS)

TRANSPOUNDER

COMPONENT NAME

KING

MFG. NAME

KT 76A

MODEL or TYPE

20656

SERIAL No.

☒ REPAIRED ☐ O'HAULED ☒ TESTED ☒ INSPECTED

Pertinent details of the repair are on file at this repair station under:

WORK ORDER No. 1966 DATE 7/13/95

The aircraft component identified above was repaired and inspected in accordance with current regulations of the Federal aviation Administration and is airworthy with regard to work performed.

OWNER: International Aviation

Signed: Mary Fisher
Authorized Signature

for **AIR ONE SYSTEMS, INC.**

FAA Repair Station No. OECR 893 K

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
C OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Installed new L:R brake linings, bleed brake
reservoir. Installed GE330 bulb at magnetic
F checked and transponder repaired by Air
inc. (see enclosed yellow tag) Replaced existing
digital unit. Ops i/leak OK Satisfactory

DR 22557
GNER 387E

International Aviation - SAF
FAA APPROVED REPAIR STATION
FAA NO. GNER-387E

RT. 20 BOX 180D
SANTA FE, NM 87501

[illegible]

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

11/5/95 Hm 0352.7 Installed owner furnished Alternator
 P/N ALX 9423B S/N 510011Z. Lubricated seat rails. Installed
 Repair kit #RA20A vacuum pump cooling kit in accordance w/drawing
 W of installation instructions and STA 5A1074GL. Change to weight
 and balance information negligible. Reattached vacuum line at
 speed brake servo. Repaired shorted landing light wire. Replaced Alt.
 air control and re balanced nose wheel and tire. Approved for return to
 service this date Ref. WO# 22936 W.D.H. GNER 387E

International Aviation - SAF
 FAA APPROVED REPAIR STATION
 NO. GNER-387E
 RT. 20 BOX 180D
 SANTA FE, NM 87501

* For Airframe logbook of M705 S/N 25-0384 NZ31U

DATE 19 <u>96</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/10/96	Hobbs 423			Completed 100hr/Annual inspection per International Aviation checklist. Replaced bolt on upper Control Arm in nose gear. Installed new 817 fire Extinguisher bracket & breakaway strap on Co-pilot's seat. Resoldered broken wire for gear down light in belly. C/w FAR 91.207 inspection & of's check of ELT. Found to be in Satisfactory Condition at this time. Due again 5/97. Replaced ELT battery next due for replacement June 1988. C/w AD 95-18-12 fuel selector not a Gerdes Type Selector. No further action Required. Researched AD's through 96-09 NO, new AD's this date. 5/16/96 T. Chassey see WOH 23165 for further details.
I CERTIFY THAT THIS AIRFRAME/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr/Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. DATE <u>6/10/96</u> T.T. <u>370.1</u> TSMOH SIGNATURE <u>T. Chassey</u> CERT # <u>QNER-387E</u>				
International Aviation - SAF FAA APPROVED REPAIR STATION NO. GNER-387E RT. 20 BOX 180D SANTA FE, NM 87501				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/14/98	Hobbs	Time	46.3	Installed oxygen bottle this date and checked operation - OK. <i>[Signature]</i>
				International Aviation - SAR FAA APPROVED REPAIR STATION NO. GNER-387E RT. 20 BOX 180D SANTA FE, NM 87501

10/14/98 Hobbs Time 61 hrs. Replaced HST.

Peter M. Narnish ^{ASP} 2466235

I certify that this AIRCRAFT has been DT M E L T BATTERY DUE JUNE '98.
 Inspected in accordance with an ANNUAL inspection. STATIC, ALTITUDE + TRAIS-
 and found to be in airworthy condition. PONDER CHECKS DUE 8/97.

6/24/97 Hobbs reads 102 hrs., 429 hrs. - TOTAL TIME - Replaced
 both main gear shock discs. Replaced all brake linings and
 both main tires. Balanced wheels. Repaired fuel flow trans-
 ducer. Lowered lt. gear overcenter tension. Replaced st. gear
 P/N 560244-50 tube and adjusted overcenter tension. Replaced lt.
 coral bumper. Inspected ELT per FAR 91.207 (antenna, G-switch
 and corrosion). Removed corrosion from both battery lead terminals.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<i>ends. Disconnected hyd. fluid reservoir tube from brake line - See back of book for AD list. Bob Steffes FA1436/85</i>

SKYCOM AVIONICS, INC.

Description of work done:

AIRCRAFT LOG ENTRY

N # 231U

Removed inoperative avionics relay and mount assembly and installed a relay retrofit kit part # 940074-501 supplied by Mooney Aircraft. Tested in accordance with manufacturers procedures.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 6/6/97 Tach: 93.1 W.O. 207479 Signed [Signature]



TIMMERMAN FIELD
9305 W. APPLETON AVE.
MILWAUKEE, WI 53225
(414) 463-8180
☐ F.A.A. No. NC5R062N



CRITES FIELD
501 BLUEMOUND RD.
WAUKESHA, WI 53188
(414) 521-8180
☐ F.A.A. No. NC5D062N



KENOSHA REGIONAL AIRPORT
9420 - 52ND ST.
KENOSHA, WI 53144
(414) 652-8120
☐ F.A.A. No. NC52062N



DANE COUNTY AIRPORT
3430 MILLER STREET
MADISON, WI 53704
(608) 246-8180
☐ F.A.A. No. NC53062N

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

MID-CONTINENT INSTRUMENT COMPANY, INC.

MID-CONTINENT WEST

ALTIMETER SCALE
CORRECTION CARD

ALTIMETER S/N C124624
PART NO. 101627-01696

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-1000	14000	13950
0	-10	16000	15960
500	505	18000	17980
1000	995	20000	19980
1500	1500	22000	22000
2000	2000	25000	25020
3000	3000	27000	27020
4000	4000	35000	/
6000	6000	40000	
8000	8000	45000	
10000	9980	50000	
12000	11960		

Tested by: JSN

Inspector: JSN

Date: 7/8/97

☐ MID-CONTINENT INSTRUMENT

☒ MID CONTINENT WEST

7706 E. Osie
Wichita, KS 67207
1-800-821-1212
316-683-5619
FAA Repair Station # OL2R061L

16555 Sherman Way
Van Nuys, CA 91406
818-786-0300
800-345-7599
FAA Repair Station # OL2D061L

3. SYSTEM TRACKING REF. NO. 1922404		5. WORK ORDER NO. 1922404	
1. SERIAL / BATCH NO. C124624	12. STATUS / WORK <input type="checkbox"/> NEW <input type="checkbox"/> OVERHAULED <input checked="" type="checkbox"/> REPAIRED <input type="checkbox"/> FUNCTIONALLY TESTED ONLY		

PRK

[illegible]

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				
I certify that this <u>AIRCRAFT</u> has been				
inspected in accordance with an <u>ANNUAL</u> inspection				
and found to be in airworthy condition.				
10/5/99 Hobbs reads 125 hrs, 452 hr. TOTAL TIME, C/W AD 98-24-11 by				
installing links with gussets installed by Wipac Welding on 9/27/99 under				
repair station # WZ5R15 N. (NO LONGER REPETATIVE INSPECTIONS DUE).				
inspected ELT per FAR 91.207 (antenna, G-switch and corrosion). Replaced				
LT fuel drain valve. Removed corrosion from battery + lead post. See				
book for AD list. Bob Stafford IA1436185				
Static system, and altitude reporting component				
on 411 and FAR 43-Appendix				
24				
21696				
1624				
is been tested and meets the				
ppendix F.				
0				
56				
4				
20				
10				
0				
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0				
1500				
1500				
22000				
17775				

3/27/00

SERVICABLE

TYPE ENCODG ALT MODEL 101627-01696 S/N C124624

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH FAA REGULATIONS AND WAS FOUND AIRWORTHY WITH RESPECT TO THE WORK PERFORMED. DETAILS OF THE REPAIR ARE ON FILE.

WO # 1392 DATE 3/27/00

Bill Chusturo

SANTA FE AVIONICS CRS B53R052Y
443 AIRPORT RD #20
SANTA FE, NM 87501

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	D ENTRIES MECHANIC
2000				
June-6-00	129.3 Hrs.		457.1 Hrs.	Co
Annual Inspection				
Inspection Panels. Re				
tail for damage + corrosion				
travel + rigging as per				
Adjusted flap indicator				
washers on aileron control				
horn bearings, bell cr				
gear operational check.				
warning lights + horn.				
proper operation, checked				
adjusted them as per				
L-Main 260 in-lbs. R-main				
landing gear system.				
were corroded + pitted.				
right brake Master cylinder				
level. Removed battery +				
Checked all wheels + cl				

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2000 June-6-00	129.3 Hrs.	457.1 Hrs.		Conducted Inspection I/A/W Mooney 100 Hour/ Annual Inspection Guide Checklist. Removed Cowling & Inspection Panels. Raised A/C on jacks. Inspected wings, fuselage tail for damage & corrosion. v.o.k. Checked control surfaces for proper travel & rigging as per Mooney M20-K Service & Maintenance Manual. Adjusted flap indicator, was positioned too high. Replaced bolts & washers on aileron control rods. Lubed flight controls pivot points, hinge bearings, bell cranks & guide blocks. Conducted Landing gear operational check. Checked doors for proper fit & closure. Checked warning lights & horn. Checked Emergency extension system for proper operation, checked OK. Checked gear down lock pre-loads & adjusted them as per Mooney M20-K Maintenance & Service Manual. L-Main 260 in-lbs. R-main 265 in-lbs. Nose: L. 0.051" + R. 0.051". Lubed landing gear system. Replaced both main wheel brake discs that were corroded & pitted. Checked brake pads. v.o.k. Replaced o-rings on right brake Master cylinder - bled brakes & serviced reservoir to proper level. Removed battery & recharged. Cleared corrosion from battery box. Checked all wheels & cleaned & repacked wheel bearings. Replaced 70ers

DATE 2000	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
--------------	---------------------------	------------------	-----------------------------	---

June 6-00 129.3 Hrs. → Continues from last page → Completed inspection of
 Merlyn Products, Inc. Turbocharger differential pressure control
 system and completed FAA form 337. Completed
 Inspection of Mooney Marts One Piece Belly panel Installation
 as per STC SA1310AT & Completed FAA Form 337 - dated
 June-5-2000. Installed missing hose for stand-by vacuum
 system & adjusted switch. Replaced Right wing tip nav light
 bulb. Replaced 2 sockets & 2 bulbs on headliner lights. Made hole
 for pitot drain. Unstuck static drain. Replaced fuel tank drain
 valve for left tank. Secured L. wing gear dust boot. Checked ELT
 & ELT G-Switch as per FAR Part 91.207(d) for proper operation.
 Replaced ELT battery. Batt. expiration date is July 2002. Adjusted
 & lubed cabin heat control. Removed dead mouse from left wing.
 Cleaned tailcone & stinger fairing area. C/w AD 85-24-03 on fuel caps
 O-rings. C/w AD 76-07-12 on Bendix ignition switch - ok. Oxygen
 bottle removed for hydrostatic test. Re-installed & checked for leaks. C/w re-
 curring ADs & Verified other pertinent ADs. See AD list enclosed. I Certify that this
 Airframe was Inspected 11/1/00 on Annual Insp. & found Airworthy - *Leonardo Arizawa*
 C/O Lone Star Aviation W.O.# 1303 *Ad # 4618220751A*

[illegible]

Top Gun Aviation, Inc.
6100 S. Lindbergh St.
Stockton, CA 95206
(209) 983-8082

Reg. #: 231U Tach: 176.4 AF TT: 514.2
Date: 09-18-2000 Eng TT: 514.2 Date: 09/14/00 RO: 0095783

Fitted a new aft gear door fairing to right wing. Painted and installed fairing. Installed a new Nav light switch. Serviced aircraft O2 bottle. Shimmed nose wheel steering arm. Serviced landing gear with grease. Installed new fuel cap o rings to all fuel caps. Installed new zerk fittings as required.

I certify that this AIRCRAFT is airworthy with respect to the work performed.

Thomas W. Richardt 547493873 A&P

Top Gun Aviation, Inc.
6100 S. Lindbergh St.
Stockton, Ca 95206
209-983-8082

Reg #: 231U TachTT: 217.9
Date: 04-18-2001

AcftTT: 545.7
Ro#: 1046417

ALTERATIONS
 IDENTIFICATION NUMBER
 R SPECIFIC ENTRIES

Completed annual inspection IAW Mooney maintenance manual. Replaced vacuum regulator filter. C/W ELT 12 month check IAW FAR 91.207 (d)(1)(2)(3)(4). Replaced fuel cap o-rings. Replaced aircraft TIT probe. Replaced landing light. Replaced speed brake indicator lamp. Repaired broken wire to gear down floor lamp. Cleaned battery box and painted. Serviced battery. Bled brakes. Replaced bolt and bushing in steering horn and shimmed horn. C/W AD 98-24-11 aileron center links, installed LASAR modified links. C/W AD 76-07-12 bendix ignition switch. Checked all AD's thru 2001-06 for applicability.

I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed.

MARK T. FOJCH
JA 5665314211

[illegible]

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19____				
5/10/2002	224.4		552.2	Replaced Left main tire with Goodyear Flight Custom 6.00-6 6 ply. Repacked bearings. Ew NW PPSEL/I/G 551337796
12/28/2001	294.4		622.2	Charged new Gill G35 battery per manufacturers instructions. Installed in aircraft. Run check OK. Ew NW PPSEL/I/G 551337796

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: 231U
WORK ORDER: 556-04-2002

Top Gun Aviation, Inc.

6100 S. Lindbergh St
Stockton, CA 95206

DATE: 4/24/2002
TTA: 631.8
TACH: 304.0

Airframe Entries

(1) Completed annual inspection IAW Mooney Service Manual.... (3) CW AD 76-07-12 bendix ing switch opps check OK.... (5) CW ELT 12 month check IAW FAR91.207 [d][1][2][3][4].... (6) Replaced all four fuel cap o-rings.... (8) Installed a new vacuum regulator filter.... (10) Cleaned trim switch with contact cleaner.... (12) Replaced right side landing light.... (15) Inspected standby vacuum system IAW AD 99-24-10. ... (22) Adjusted preloads I.A.W. Mooney maint manual.... (24) Installed new landing gear warning horn, Sonalert p/n SC 628P.... (25) Replaced AirMaze model 125685-004 induction air filter IAW AD 84-26-02.... (26) CW SB M20-202 installed kit.... (29) Fabricated new attach bracket for wastegate controller heat shield and replaced Adel clamp.... (33) Replaced ELT battery next due 6-2004....

Checked all AD's thru 02-07 for applicability. I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed

DATE: 4/24/2002

SIGNED:

Mark T. Rouch

Mark T, Rouch, A&P 566531421 IA

WORK ORDER: 556-04-2002

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2003 1-17-03				
				The transponder identified below was tested according to F.A.R. 91-413 and is approved for return to service.
				I certify that the altimeter, static system, and altitude reporting tests required by F.A.R. 91-411 and Par. 43, Appendix E and F have been performed. WO # 011731
				MFR KING Model K176A WO 011731
				The altimeter has been tested to 27K ft.
				Signature <i>[Signature]</i> Date 1-17-03
				Signature <i>[Signature]</i> Date 1-17-03
				Cert. # C5RR495J Ph. 408-879-0980
				Cert. # C5RR495J Ph. 408-879-0980

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: 231U
WORK ORDER: 1119-03-2003

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206

DATE: 4/15/2003
TTA: 686.20
TACH: 358.40

Airframe Entries

(1) Completed annual inspection IAW Mooney Service Manual.... (3) CW AD 76-07-12 ignition switch, Ops ck ok..... (6) CW ELT 12 month check IAW FAR91.207 [d][1][2][3][4].... (7) Replaced fuel cap o-rings.
... (8) CW Mooney SB M20-279C per EATON SI 102000-1-901, Installed new no-back clutch spring.... (10) Replaced vac reg filter.... (11) Replaced right corner stiffener on lower cowl mount bracket, and stop drilled crack.... (13) Resoldered wire connection and replaced lamp. Ops check ok.... (14) Cleaned contacts on ignition master switch.... (18) Removed acft. batt. Cleaned and removed corrosion from batt. terminals. Serviced water to proper level and charged batt. Re-installed acft. batt.... (20) Replaced bolts and bushings for the right side cowl flap.... (21) Patched holes in scat tube that interconnects heat muffins.... (22) Stop drilled cracks in fwd left corner and aft cross support in eng baffling.... (24) Cleaned, removed rust, treated and painted L. fwd. eng. mount area.... (28) Installed one each heli-coil on nose and L. main wheels.... (30) Installed new hardware in the left forward portion of the head liner....

Checked all AD's thru 03-06 for applicability I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is airworthy with respect to the work performed

DATE: 4/15/2003

SIGNED:

Mark T. Rouch, A&P 566531421 IA

WORK ORDER: 1119-03-2003

Printed by EBis (http://www.datcomedia.com)

DATE 2004 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5/18	415.6		753.6	Opened airframe & lubricated per MM. Cleaned fuel screen. Serviced battery with water. Replaced ELT battery. Replaced brake pads. Replaced one front wheel bearing. Repainted engine mount. Replaced cowl flap hinges. Replaced both main tank fuel drains. Replaced all fuel cap O rings. Replaced vacuum garter filter. Replaced left main tire. Replaced manifold pressure hose in engine compartment. Checked gear lock preloads. Removed and reinstalled landing gear actuator - sent to Top Gun for spring replacement. Cleaned and inspected Induction air filter IAW AD 84-26-02. Inspected SVS III Valve assembly IAW AD 99-24-10, next ^{biannual} inspection due in 2006. Eir NW A&P 2783808
5/18	415.6		753.6	Inspected SVS III system: cobb, vacuum lines, fittings per AD 99-24-10 next inspection due in 2005. Eir NW A&P 2783808

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2004				
5-18-04	415.6		753.6	I certify that this <u>aircraft</u> has been inspected in accordance with an <u>airman</u> Inspection and was determined to be in airworthy condition.
6/16/04	423.3		761.3	ELT suspected & tested per FAR 91.207 ELT battery due 5/06 Tag gear return check accomplished New R Miller 241938774 Removed, straightened, repainted and reinstalled both right main gear doors damaged in hard landing. Inspected landing gear and wheels. Performed retraction test.
9/7/04	449.2		787.2	EW MW APP 2783808 Replaced both landing lights with GE4509 EW MW APP 2783808
9/15/04	451.7			Replaced right auxiliary tank fuel drain EW MW APP 2783808

DATE
2004
19
5/18

1. Approving National Aviation Authority/Country: Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078			3. Form tracking No: (YYMMDD-XNN) 041002-502	
4. Approved organization name and address: INSIGHT INSTRUMENTS CORPORATION, 599 INDUSTRIAL DRIVE FORT ERIE, ONTARIO, CANADA, L2A 5M1					5. Work order/Contract/Invoice Number: VERN MILLER AV	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Strike Finder Display Unit	SF 2000-021-009	TSO-C110A	1	2320	MODIFIED
13. Remark ECN 990122, TEST, CYCLE 48h, RETEST comp.						
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.			19. <input checked="" type="checkbox"/> CAR 571.10 Maintenance release. <input type="checkbox"/> Other regulations specified in block 13. Certifies that, unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance CAR 571.			
15. Authorized signature N/A		16. Certificate/Approval ref. No. N/A		20. Authorized signature Jacqueline Lambert		21. Certificate/Approval ref. No. 42-90
17. Name N/A		18. Date (dd/mm/yyyy) N/A		22. Name JACQUELINE LAMBERT		23. Date (dd/mm/yyyy) Oct. 21/04
User/Installer Responsibilities						
1. This document does not constitute authority to install the part. 2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in Block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in Block 1. 3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the national regulations of the state of registry, before the aircraft may be flown. * Installer must cross-check eligibility with approved data.						

IS AND ALTERATION
ND CERTIFICATE NUM
R OTHER SPECIFIC E
Insight Instru

3

5/

MFR KING Model KT76A WO 012851		The altimeter has been tested to 25K ft.	
Signature [Signature] Date 1-28-05		Signature [Signature] Date 1-28-05	
Cert # C5RR495J		Ph 408-879-0880	
Cert # C5RR495J		Ph 408-879-0880	

the altimeter, static system, reporting tests required by F.A.R. d Par. 43 Appendix E and F have med. WO # 012851

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5/20/05	466.1		804.1	Repaired small hole in cowl on right side.
				Removed Cherrymax rivets on right lower cowl mount
				brace and replaced with aluminum AD rivets. Replaced
AD 99-24-10 Precise flight				front left cowl snubber. Cleaned and repainted front
shuttle valve inspection				left corner of engine mount. Replaced left rear
due May 2006				flap actuator rod end. Replaced seals in left brake
				master cylinder and bled system. Replaced both O rings
AD 84-26-02 paper air filter				in all 4 fuel cups. ELT inspected & tested per FAR 91.207
not due until		1131.8	hours	Opened airframe and lubricated per MM. Cleaned fuel screens.
				Serviced battery with water. Lubricated landing gear, checked
				preloads and performed retraction tests.
				Inspected SVS III system: cable, vacuum lines, fittings per
				AD 99-24-10. Next inspection due May 2006.
				Replaced cabin heat SCAT ducting.
				Opened inboard lower left fuel tank access panel,
				resealed seams, closed panel. Inspected all accessible
				drain holes per AD 85-24-03. Next compliance upon
				re opening of tanks. Removed oxygen cylinder for hydrostatic

— Cont —

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTITIES)
19__				
5-21-05	466.1		804.1	test. See revised WAB this date. Em MWA AWP 2783808
5-21-05	466.1		804.1	This aircraft has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition. Em MWA AWP 2783808
5-21-05	466.1		804.1	I certify that this <u>aircraft</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.
5-21-05	466.1		804.1	Gene R Mueller IA1938774 Installed oxygen bottle after hydrostatic testing. See new weight and balance this date. Em MWA AWP 2783808

DATE 19__

RECORDING
TACH
TIME

**TODAYS
FLIGHT**

TOTAL
TIME IN
SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES).

test. See revised WAB this date.

Em MA Avp 2783808

This aircraft has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

APR 27 83808

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

5-21-05	466.1	804.1
---------	-------	-------

$$\begin{array}{r} 3 \\ 3 \overline{) 05} \end{array}$$

Jean R Mullen IA 1938714
 Installed oxygen bath after hydrostatic testing.
 See new weight and balance this date.
 E. W. AWP 2783808

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: N231U
WORK ORDER:
2343-03-2006



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 4/14/2006
A/C TSN: 868.3
HOBBS: 530.3

NUMBER OF
TRIES.)

Airframe Entries

(1) Inspected airframe IAW Mooney service manual. Changed vacuum system air filters. Replaced fuel cap O rings.... (4) Inspected ELT per FAR 91.207. Next inspection due 4/2007. Installed new battery, expires 4/2008.... (5) Replaced nose wheel tire with Goodyear FC3 5.00-5 6 ply.... (6) Replaced right main gear tire with Goodyear FC3 6.00-6 8 ply.... (11) Fabricated and installed new brake hoses on main gear legs. Pressure checked to 1000psi.... (14) Capacity checked battery, charged and serviced with water.... (15) Replaced left main gear actuator to bellcrank tube. Adjusted gear preloads per Mooney MM. Performed retraction test.... (16) Installed rubber boot on battery positive terminal.... (20) Replaced bolt and lock nut on left flap actuator bracket.... (23) Inspected Precise flight system IAW AD 99-24-10. Performed yearly inspection of cable, vacuum hoses and saddle per paragraph (b1). Next inspection due 4/2007. Performed biannual inspection of shuttle valve per paragraph (b2). Next inspection due 4/2008.

I certify that this aircraft has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

DATE: 4/14/2006

SIGNED:

Work Order: 2343-03-2006

Eric K Niedrauer, A&P: 2783808

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

DATE: 4/14/2006

SIGNED:

Work Order: 2343-03-2006

Mark W. Grouch, IA: 305641678

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8/29/2006	570.7			Installed Zeftronics R15300 s/n U06032 voltage regulator. No change to W&B. Ops check OK. Eric Niedrauer A&P 2783808
9/20/2006	577.9			Removed KLN88 and KY197 (COM2) and sent to Sterling Avionics for repair on W/O 32299. Reinstalled repaired units, ops check OK Eric Niedrauer A&P 2783808

DATE 2006 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12/5	592.6			Installed new Kelly Aerospace ALX 9525B alternator. Serial # 93732. Ops check OK. Em TW A4P 2783808

MAKE Mooney
MODEL M20K
S/N: 25-0384
REG NO: 231U
WORK ORDER:
3007-02-2007

Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 2/21/2007
A/C TSN: 686-20
HOBBS: 596.6

Airframe Entries

(1) Resealed right fuel tank bay at station 103.5. Sealed forward part of bay on the top bottom and sides, back of bay on the bottom, the side walls of bay on the bottom, sealed the rib running through the middle of the bay, and around the fuel sender. See wing fuel map for further details. Inspected to see if leak reoccurred.

I certify that this ENGINE is airworthy with respect to the work performed.

DATE: 2/21/2007

SIGNED:

Mark T. Rouch, IA: 566531421 IA

Work Order: 3007-02-2007

Printed by EBis 3 (datcomedia.com)

MAKE Mooney
MODEL M20K
S/N: 25-0384
REG NO: 231U
WORK ORDER:
3050-03-2007



Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206
Phone: 209-983-8082

DATE: 4/6/2007
A/C TSN: 686.20
HOBBS: 596.6

Airframe Entries

(1) Sealed right fuel tank forward tank bays between Stations 59.25 and 103.5 along the top forward, top corners, and top sides of tank bays.

I certify that this AIRCRAFT is airworthy with respect to the work performed

DATE: 4/6/2007

SIGNED:

Mark T. Rouch, IA: 566531421 IA

Work Order: 3050-03-2007

Printed by EBis 3 (datcomedia.com)

MAKE: Mooney
MODEL: M20K
S/N 25-0384
REG NO: N231U
WORK ORDER:
2797-04-2007



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 5/10/2007
A/C TSN: 940.2
HOBBS: 602.2

ACTIONS
NUMBER OF
IC ENTRIES.)

Airframe Entries

(1) Inspected IAW FAR 43 Appendix D checklist. Replaced main vacuum system filter and garter filter. Replaced fuel cap O rings....
(4) Inspected ELT per FAR 91.207(d). Next inspection due May 2008.... (5) C/W AD 99-24-10 precise flight standby vacuum
paragraph (b), cable, lines and saddle. Next inspection due May 2008.... (7) Replaced seals in right brake master cylinder. Bled
system and serviced with 5606.... (16) Readjusted right main gear preload. Lubricated landing gear system, performed retraction
test.... (17) Tightened upper door latch catch.

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

DATE: 5/10/2007

SIGNED: 

Work Order: 2797-04-2007

Eric K Niedrauer, IA: 2783808

Printed by EBis 3 (datcomedia.com)

6/3/07	605.0			Rebuilt left brake master cylinder, bled entire system and serviced with 5606.
				Eric K Niedrauer AIP 2783808

Scale Cc

Altimeter

Add

Reads

-1000	1
0	+5
500	-10
1000	+5
1500	-5
2000	+5
3000	1
4000	+10
6000	1
8000	+10

Date 8 MAY 08

Tested by 

I certify that the Altimeter, Static System, & Altitude Reporting
tests required by FAR 91.411, and the Transponder tests required
by FAR 91.413 have been performed IAW FAR 43 App E & F.

Altimeter tested to 25000 Ft. N 231U

IAW FAR 43 App. E on 8 MAY 08

Signed  Date 8 MAY 08

Northcoast Services c/s WR3R955L Time 657.5



MAGNUM
A V I A T I O N
— service • quality • safety —

DATE: 5/14/2008
A/C TSN: 989.5
HOBS: 651.5

ONS
MBER OF
ENTRIES.)

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

SIGNED:

Work Order: 3248-04-2008

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[illegible]

19

Removed Magellan TNL 1000 GPS System and Antenna, RS 08 Switch Assy., Bendix-King KLN 88 Loran and KA 84 Antenna, Bendix-King KY 197 Com., Bendix-King KN 53 Nav. Rec. and KI 203 VOR/ILS indicator, Bendix-King ADF System KR 87, KI 227, KA 44, And Comant CI 505 Nav. Splitter. Installed Garmin GNS 530W Nav. System, Garmin GI 106A indicator, Garmin GA 35 GPS/WAAS Antenna, and Comant CI 1125 Nav. Splitter. Completed weight and Balance and Equipment list revisions. Completed FAA Form 337. ICA added to aircraft maintenance records. FAA approved Flight Manual Supplement added to Pilots Operating Handbook. All op's checks good.-----END-----

The components identified above were installed and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.

Signed:

Dated: 1-05-2009

N#:USA N231U

Tach: n/a

TTSN: n/a

HOBBS: 696.0

For more info see w/o 33199

FAA Repair Station Certification # WQ3R954L

101 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580

IONS, TESTS, REPAIRS AND ALTERATIONS ⁴
TH NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Scale Cc

Altitude



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 2/3/2009

A/C TSN: 1038
HOBBS: 700

MS
BER OF
TRIES.)

Reads Add

-1000	0
0	0
500	5
1000	0
1500	0
2000	15
3000	410
4000	410
6000	415
8000	410

is
FAR 43 Appendix D checklist. Replaced vacuum system garter filter. Replaced fuel cap O rings. Lubricated
formed retraction tests.... (8) Complied with FAR 91.207(d) ELT Test and Inspection, batteries expire 6/2010,
2/2010.... (13) C/W AD 99-24-10 Standby Vacuum section (b1) Cable, saddle and hoses. Next inspection due
laced all landing gear shock donuts IAW Mooney Service Manual.... (20) Replaced left main tire with Goodyear
Michelin inner tube. Serviced all wheel bearings with grease.... (21) Lubed mixture control... (22) Painted and
5 antenna.... (24) Fabricated patch for glare shield out of .025 aluminum.

It has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

SIGNED:

Eric K Niedrauer

Eric K Niedrauer, IA: 2783808

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Work Order: 3411-10-2008

altic System, & Altitude Reporting
and the Transponder tests required
formed IAW FAR 43 App E & F.

20 Ft. N 2314

1810

Date 5 MAR 10

1R95L Time

7539.5

Tested by *Eric K Niedrauer*

DATE

19

MAKE: Mooney
 MODEL: M20K
 S/N: 25-0384
 REG. NO: N231U
 WORK ORDER:
 3712-01-2010



Magnum Aviation

13025 Murphy Ave.
 San Martin, CA 95046
 Phone: 408-683-4102

DATE: 3/13/2010
 A/C TSN: 1097 9
 HOBBS: 759.9

OF
 (S.)

Airframe Entries

(1) Inspected IAW FAR 43 Appendix D checklist. Replaced vacuum system main filter and relief valve garter filter. Replaced fuel cap O rings. Serviced all wheel bearings with grease.... (4) Complied with FAR 91.207(d) ELT Test and Inspection, batteries expire 6/2010, next inspection due 3/2011.... (10) Opened left fuel tank first and second bays. Found leak in second bay, sealed with CS3204B-1/2. C/W AD 85-24-03 fuel tank drain holes during reseal. Rinsed tank and closed access panels with CS3330B-1/2. Leak check OK.... (12) C/W AD 99-24-10 standby vacuum (b1) hoses, cable and saddle Next due 3/2011 and (b2) shuttle valve next due 3/2012.... (16) Installed new rod end on right gear pushrod at preload adjustment point. Lubed and rigged gear IAW Mooney service manual. Performed retraction and extension tests.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 3/13/2010

SIGNED:

Work Order: 3712-01-2010

Eric K Niedrauer, IA: 2783808

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2010				
4/25				Removed 76 cu ft oxygen both and installed 38 cu ft both. Hydro test due 3/2015. See new W&B. Eric Niedrauer A&P 2783808
6/3/10				Installed new ELT battery, expires 7/2012. Complied with 91.207(d) test, next due 6/2011. Eric Niedrauer A&P 2783808
6/24/10	775.3			Replaced right fuel gauge with new 640281-145. Eric Niedrauer A&P 2783808

DATE

19

ENGINE MODEL:
TSIO-360-GB
ENGINE S/N: 309389
REG. NO: N231U
WORK ORDER:
3827-08-2010



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone 408-683-4102

DATE 8/12/2010
A/C TSN 1128
ENG TT 1128
HOBBS 790

5
ER O
TRES

Engine Entries

(1) Drained oil and refilled with 7 qts Exxon 20w50. Replaced CH48108-1 oil filter, inspection of old filter found no abnormal particles. Washed engine. Run up leak check OK.... (2) Replaced left magneto base gasket. Retimed to engine.... (3) Tightened air cleaner bolts. Applied blue locite and star lock washers.

DATE: 8/12/2010

SIGNED:

Eric K Niedrauer, A&P: 2783808

Printed by EBis 3 (datamedia.com)

Work Order: 3827-08-2010

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: N231U
WORK ORDER:
3950-02-2011



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 6/10/2011
A/C TSN: 11547
HOBBS: 8167

Airframe Entries

(1) Inspected IAW FAR 43 Appendix D checklist. Lubricated airframe. Performed landing gear extension and retraction tests. Replaced vacuum regulator garter filter and fuel cap O rings.... (4) Complied with FAR 91.207(d) ELT Test and Inspection, batteries expire 7/2012, next inspection due 6/2012.... (8) Replaced fuel gauge in right tank and calibrated IAW Mooney maintenance manual.... (12) C/W AD 85-24-03 fuel cell during leak patching in left tank. Next compliance due at next tank opening.... (13) C/W AD 99-24-10 standby vacuum parts (b1) inspections next due 6/2012 and (b2) shuttle valve next due 6/2013. Disconnected system for engine troubleshooting and placarded as INOP.... (16) Installed new COM1 antenna.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 6/10/2011

SIGNED:

Eric K Niedrauer, IA: 2783808

Printed by EBis 3 (datamedia.com)

Work Order: 3950-02-2011

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTIO ENTRIES MUST BE MECHANIC OR RE
19__				

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.

Altitude(s) tested to 25200 Ft. N 231U

IAW FAR 43 App E on 2 MAR 12

Signed [Signature] Date 2 MAR 12

Northcoast Services c/s WBR955L Time

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: N231U
WORK ORDER:
4229-02-2012



Magnum Aviation
13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

Airframe Entries

- (1) Inspected IAW FAR 43 Appendix D checklist. Replaced vacuum regulator garter filter. Serviced all wheel bearings with grease. Lubricated airframe. Performed retraction tests and emergency extension test.... (4) Complied with FAR 91.207(d) ELT Test and Inspection, batteries expire 7/2012, next inspection due 4/2013.... (7) Removed pitch servo and reinstalled after repair by Sterling Avionics on WO 35808.... (8) Removed right outboard fuel sender and replaced after overhaul by Air Parts of Lock Haven on WO 120715. Recalibrated fuel gauges.... (9) Installed another LED landing light 01-0771424-10.... (10) Removed Precise Flight backup vacuum system. See Form 337 and updated W&B this date.... (13) Removed EDM700 and sent to JPI for upgrade. Installed Fuel Flow upgrade, wired to GNS530 and reprogrammed both units.... (15) Installed Mid-Continent 4300-411 backup electric gyro IAW installation instructions 9015762. See new W&B this date. Battery expires 4/2015.... (16) Removed tail and replaced upper bushings 914081-003. Lubricated and installed tail. Ops check OK.... (17) Replaced brake friction pads on both main wheels and conditioned IAW Cleveland maintenance manual.... (18) Removed elapsed time switch from left wing.... (19) C/W AD 2012-05-09 by visual inspection. No further inspections required for this AD.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 4/3/2012

SIGNED:

Eric K Niedrauer, IA, 2783808

Work Order: 4229-02-2012

Printed by EBis 3 (datcomedia.com)

4/3/12	875.3	Test flight - all controls work	ADD 2783808
--------	-------	---------------------------------	-------------

Tested by [Signature] Date 2 MAR 12

Scale Co	Reads	Add
8000		
6000		
4000		
3000		
2000		
1500		
1000		
500		
0		
-1000		

Mid-Continent Instruments at 1001 1/2

Date of Installation: 4 / 3 / 12

DATE: 4/3/2012
A/C TSN: 1211.7
HOBS: 873.7

19

STERLING AVIONICS

Updated Main & GPS software in Garmin GNS 530W, S/N 23820601. Main SW now @ Ver. 3.30, GPS SW @ Ver. 3.2. Updates per Garmin Software Service Bulletins SB 0917 & SB 0848, respectively.-----END-----

The component identified above was serviced and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: F. Lemon

Dated: 04/19/2012 N#:231U Mooney 20K S/N 25-0348

Tach: N/A TTSN: N/A

HOBBS: 880.1 For more info see w/o #35861

FAA Repair Station Certification # WQ3R954L

145 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580

ONS, TESTS, REPAIRS AND ALTERATIONS
1 NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: N231U
WORK ORDER:
4151-10-2011



Magnum Aviation

13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 10/28/2011
A/C TSN: 1188.3
HOBBS: 850.3

Airframe Entries

(2) Installed new Whelen PLED1L bulb in right landing light position. Color coded landing light connections.

DATE: 10/28/2011

SIGNED:

Eric K Niedrauer, A&P: 2783808

Work Order: 4151-10-2011

Printed by EBis 3 (datcomedia.com)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2012 10/10				
9/26	919.7			Repaired horn wingtip strobe wires. E M APP 2783808
10/10	926.2			Replaced b.A.M. in ELT, expires 10/2014. Inspected per FAR 91.207(d) next inspection required 10/2013 E M APP 2783808

MAKE: Mooney
MODEL: M20K
S/N: 25-0384
REG. NO: N231U
WORK ORDER:
4455-03-2013

Magnum Aviation
13025 Murphy Ave.
San Martin, CA 95046
Phone: 408-683-4102

DATE: 4/3/2013
AC TSN: 1292.7
HOBBS: 954.7

Airframe Entries

- (1) Inspected IAW FAR 43 Appendix D checklist. Opened, inspected and lubricated airframe. Lubricated landing gear, performed extension and retraction tests. All preloads within limits. Replaced fuel cap O rings. Replaced fuel strainer upper O ring.... (4) Complied with FAR 91.207(d) ELT Test and Inspection, batteries expire 10/14, next inspection due 4/2014.... (6) Removed bird nest from tail.... (7) Replaced left main tire with new Goodyear FC III 6.00-6 8 ply. Serviced all wheel bearings with grease.... (9) Installed new KS Avionics A002C-30 TIT probe.... (10) Replaced missing insulator on right wing inner fuel sender, recalibrated fuel system per Mooney maintenance manual.... (11) Removed auxiliary tanks from fuel system, returned vent system to original design. See form 337 this date.... (12) Removed Stikefinder for repair. No change to W&B.... (13) Replaced steering horn with rebuilt unit from Lake Aero Styling, s/n 052312-001 using new hardware.... (14) Replaced left strobe extension cable with Whelen HT10 kit.... (15) Installed caps over exposed zerK fittings

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

DATE: 4/3/2013

SIGNED:



Eric K Niedrauer, IA: 2783808

Work Order: 4455-03-2013

Printed by EBis 3 (datamedia.com)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2013 5/15	965.4			Installed Strifefinder head and new antenna array.
				No change to weight & balance.
				E. W. APP 2783808
5/6	979.8			Inst-ll'd Airtex Seat Cover Kit.
				No change to weight & balance.
				E. W. APP 2783808
2013 5/16	1018.3			Removed AstroTech LC-2 chronometer and inst-ll'd
				Datron 800/14-BAT chronometer 1AW Datron
				Installation instructions. Ops check OK. No change to
				weight & balance.
				E. W. APP 2783808
5/29	1019.3			Replaced mixture cable with McFarlane 660226-011
				Ops check OK.
				E. W. APP 2783808

DATE RECORDING TOTAL

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
TESTING AGENCY (PAGE 2 OF 2)

3115

ELIGIBILITY

1980 MOONEY M20K S/N 25-0384

CARPET
COWL PAD
CUSHION UPHOLSTERY
HEADLINER
WALL PANELS
BAGGAGE COMPARTMENT
FIREWALL COVER
SEAT SLINGS
HAT SHELF PAD

X

NC.

Form 1A
PILOT / FIRST OFFICER
Precision Static Testing
Tested in compliance with App. 304 ft.

Test	Altitude	Scale	Friction	Encoder
-1000	0	0	0	0
500	0	0	0	0
1000	0	0	0	0
1500	0	0	0	0
2000	0	0	0	0
3000	0	0	0	0
4000	0	0	0	0
5000	0	0	0	0
6000	0	0	0	0
8000	0	0	0	0
10000	0	0	0	0
12000	0	0	0	0
14000	0	0	0	0
15000	0	0	0	0
16000	0	0	0	0
18000	0	0	0	0
20000	0	0	0	0
22000	0	0	0	0
25000	0	0	0	0
30000	0	0	0	0
35000	0	0	0	0
40000	0	0	0	0
45000	0	0	0	0
50000	0	0	0	0

F.A.A. - P.M.A.
AIRTEX PRODUCTS, INC.
NUMBER 102111

3209

ELIGIBILITY

CARPET
COWL PAD
CUSHION UPHOLSTERY
HEADLINER
WALL PANELS
BAGGAGE COMPARTMENT
FIREWALL COVER
SEAT SLINGS
HAT SHELF PAD

X

1980 MOONEY M20K S/N 25-0384

19—

4/17/2014 N231U Mooney M20K S/N 25-0384
Hobbs: 1023.5 TTAF: 1361.5

Inspected and lubricated airframe IAW Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. All preloads measure within limits. Removed propeller and sent out for overhaul. Removed hot prop slip ring, brushes and heating pads, disconnected power wire from circuit breaker. See new W&B this date. Reinstalled propeller after overhaul by American Propeller on W/O 17742. Complied with FAR 91.207(d) ELT test and inspection, batteries expire 10/2014, next inspection due 4/2015. Replaced right main tire with Goodyear FC-III 6.00-6 8 ply. Serviced all wheel bearings with grease. Installed new Airtex carpet interior kit. No change to W&B. C/W AD 84-26-02 paper air filter by replacement of induction air filter. Next replacement due by 1523.5 hobs. Replaced copilot headphone jack. Replaced fuel cap O rings.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Eric Niedrauer A&P 2783808 IA

5/18	1028.2	Adjusted gear safety switch to 75 mph E M AAF 2783808
10/30	1057.0	Replaced ELT BP-1020 battery pack, new expiration 1/2017 Inspected per FAR 91.207(d), next inspection due 10/2015 E M AAF 2783808

19—

**OF
(IES.)**

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Eric Niedrauer A&P 2783808 IA

I certify that this information was obtained by 14 CFR § 91.417(c) correspondence and found to correspond to the information tested to 28
W/O# 1164
Inspected by

DATE

19__

4/19/2016 N231U Mooney M20K S/N 25-0384

Hobbs: 1106.2 TTAF: 1444.2

ONS
MBE
ENT

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Adjusted right main gear preload. Serviced all wheel bearings with grease. Replaced fuel cap O rings. Repaired broken rivets lower cowl support. Replaced O rings in right master cylinder. Replaced flexible brake hoses to master cylinders. Bled brake system and serviced with 5606. Cleaned and painted engine mount frame. Replaced 6 rod ends in rear elevator pushrods. Installed copilot PTT switch. Complied with FAR 91.207(d) ELT test and inspection, batteries expire 1/2017, next inspection due 4/2017.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

4/04/2017 N231U Mooney M20K S/N 25-0384

Hobbs: 1157.8 TTAF: 1495.8

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Serviced all wheel bearings with grease. Replaced fuel cap O rings. Repaired induction air box upper bracket. Added teflon tape to tail fairing. Tightened right gear actuator outboard bolt and cotter pinned. Tightened rudder/aileron interconnect link bolt. Complied with FAR 91.207(d) ELT test and inspection, installed new battery expires 4/2019, next inspection due 4/2018. No recurring ADS due at this time.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

Precision Static Testing Livermore, CA
FAA Certified Repair Station #QJ1AR856X
PHONE: (925) 449-5904 FAX (925) 449-6081

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 E and F.

Tested to 20 h feet.

Time: 1216.4

W/O# 14424

N 2314

Inspected by [Signature]

Date 4/18/18

ACTIONS, TESTS, REPAIRS AND ALTERATIONS,
WITH NAME, RATING AND CERTIFICATE NUMBER.
(SEE BACK PAGES FOR OTHER SPECIFIC E.

4/20/2018 N231U Mooney M20K S/N 25-0384

Hobbs: 1216.4 TTAF: 1554.4

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Serviced all wheel bearings with grease. Replaced fuel cap O rings. Replaced vacuum regulator garter filter. Removed FF/MP gauge and reinstalled after overhaul by TGH on W/O 59374. Repainted spots on engine mount. Cleaned and repainted spots on battery box. Repaired and protected outer sheath on right spoiler cable near main gear. Repaired right gear rear faring with fiberglass and epoxy. Replaced battery on standby horizon gyro. Removed oxygen bottle and installed after hydro test, next due 4/2023. Installed ADS-B antenna under belly pan, no change to W&B. Removed Strikefinder head, see new W&B. Added JPI warning light on left side of instrument panel. Complied with FAR 91.207(d) ELT test and inspection, battery expires 4/2019, next inspection due 4/2019. No recurring ADs due at this time.

This certifies that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

[Signature]

Eric Niedrauer A&P 2783808 IA

4/14/2019 N231U Mooney M20K S/N 25-0384

Hobbs: 1266.9 TTAF: 1604.9

NS


BER OF
TRIES.)

DA
19-

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Serviced all wheel bearings with grease. Installed new Black Steel brake discs APS164-02000 and new brake pads APS66-10500, conditioned per Cleveland MM. Replaced fuel cap O rings. Replaced vacuum regulator garter filter. Replaced gascolator seals with MS29513-006, M83248-031 and NAS1523-010. Resealed several places in left fuel tank with CS3204B1/2, secured access panels with CS3330B1/2, C/W AD 85-24-03 during application of sealant. Installed new oil pressure sender 880008-501, ops check normal. Installed anti chafe strip near right speed brake cable. Retorqued right aileron bellcrank bolts. Installed new ELT battery BP-1020, expires 4/2021, inspected per FAR 91.207(d), next inspection due 4/2020. No other recurring ADs due at this time.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.



Eric Niedrauer A&P 2783808 IA

4/17	1266.9	Installed new Gill 7035-28 s/n G03039854.
		 App 2783808

12/11/2019 N231U Mooney M20K S/N 25-0384

Hobbs: 1297.5

Removed KT76A transponder and installed KT74 transponder s/n 03393 in same tray. Installed GPS position wire from GNS530 connector 5050 pin 60 to transponder tray pin 7. Reconfigured GNS530 per GNS530 installation manual section 5.3.2 and KT74 per AML STC installation manual section 5.3.1 through 5.3.15. Ground ops check normal. No change to weight and balance. Flight check contingent upon transponder output check.


Eric Niedrauer A&P 2783808

TRANSPONDER(S) HAVE BEEN TESTED AND
INSPECTED AND FOUND TO COMPLY WITH
APPENDIX F OF PART 45 I.A.W. FAR 91.413

DATE 2-12-19 W.O. # 18620

SIGNED [Signature]
J & R ELECTRONICS. FAA CRS #XB3R965L
333 West Jack London Blvd #141
Livermore, CA 94551

CTIONS, TESTS, REPAIRS AND ALTERATIONS
WITH NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

6/13/2020 N231U Mooney M20K S/N 25-0384

Hobbs: 1304.4 TTAF: 1649.4

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Serviced all wheel bearings with grease. Troubleshoot hobbs meter, installed new 5 amp fuse, missing 7 hours which has been added to TTAF. Replaced fuel cap O rings with MS29513-010 and -338. Replaced vacuum regulator garter filter ARB3-5-1. Resealed inboard cell lower seam in left fuel tank with CS3600, secured access panels with CS3330B2, C/W AD 85-24-03 during application of sealant. Replaced KNS80 backup batteries with 357. Resqueezed several rivets on right lower cowl mount receptical. Inspected ELT per FAR 91.207(d), next inspection due 4/2020, battery expires 4/2021. No other recurring ADs due at this time.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

[Signature]

Eric Niedrauer A&P 2783808 IA

3/24/2021 N231U Mooney M20K S/N 25-0384
Hobbs: 1337.6 TTAF: 1682.8


CNS
NUMBER OF
ENTRIES)

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Gear preloads all within limits. Replaced nose wheel tire with Goodyear FS II 5.00-5.6 ply and installed new inner tube. Serviced all wheel bearings with grease. Replaced fuel cap O rings with MS29513-010 and -338. Replaced vacuum regulator garter filter ARB3-5-1 and vacuum inlet filter AAD9-18-1. Replaced throttle cable with new 660226-007 and adjusted for full travel. Marked fuel flow indicator INOP. Installed new prop governor McCauley D-20309-21 s/n 190357. Replaced right cowl flap outboard hinge 650193-005. Replaced electric fuel pump with 4140-00-19A s/n 156702 overhauled by CJ Aviation on WO 31493, purged system, ops check normal. Installed new ELT batteryBP-1020, expires 3/2023, Inspected ELT per FAR 91.207(d), next inspection due 3/2022. C/W AD 84-26-02 paper air filter by replacement of AM108365FP induction air filter, next replacement due by 1837.6 hobbs.

This certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.


Eric Niedrauer A&P 2783808 IA

ALTIMETER/STATIC AND ALTITUDE REPORTING
EQUIPMENT SYSTEMS HAVE BEEN TESTED
AND INSPECTED PER APPENDICES E AND F OF
PART 43, AS REQUIRED BY FAR 91.411
CALIBRATED TO 25,000 ft

DATE 4-16-22 SIGNED 
J & R ELECTRONICS, FAA CRS #XB3R965L
333 West Jack London Blvd #141
Livermore, CA 94551

7/22/2021 N231U Mooney M20K S/N 25-0384
Hobbs: 1344.7

AND ALTERATIONS
CERTIFICATE NUMBER OF
OTHER SPECIFIC ENTRIES.)

Removed KNS80 VOR/RNAV receiver and reinstalled after repair by Bevan Aviation on WO 74569-1. Replace coax cable end at tray. Ground ops check normal.


Eric Niedrauer A&P 2783808

5/19/2022 N231U Mooney M20K S/N 25-0384
Hobbs: 1368.3 TTAF: 1713.5

Inspected and lubricated airframe IAW Part 43 Appendix D checklist and Mooney service manual. Performed gear retraction and extension tests and emergency extension tests. Gear preloads all within limits. Serviced all wheel bearings with grease. Replaced fuel cap O rings with MS29513-010 and -338. Replaced vacuum regulator garter filter ARB3-5-1. Installed Floscan 201-024-01 flow transducer s/n 232656, K factor 84.85, rebuilt flex hoses, parallel wired with JPI, reprogrammed JPI K factor. Opened 2nd and 3rd fuel cells on right wing, sealed leak using CS3204A1/2, closed panels using CS3330B1/2. Right inboard fuel sender overhauled by Air Parts of Lock Haven on WO 220854, verified accuracy per MM. Replaced lower cowling landing light lens with W-2414. Replaced backup horizon gyro battery with 9015604, next replacement due 5/2025. Repaired left wheel rear fairing with fiberglass and epoxy. Inspected ELT per FAR 91.207(d), next inspection due 5/2023, battery expires 3/2023. C/W AD 85-24-03 fuel cells by visual inspection of drain holes, next compliance due at next repair. No other recurring ADs due at this time.

This certifies that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in ~~airworthy~~ condition.


Eric Niedrauer A&P 2783808 IA