

NASA-1

CROSS

① JULY 90 - 12/12/03

The Standard  
**AIRCRAFT LOG**

**AIRCRAFT RECORD — GENERAL INFORMATION**

MANUFACTURER Mooney Aircraft Corp. MODEL M20J SERIAL 24-3192  
 REGISTRATION NUMBER N885J DATE MFG. 1990

ENGINE(S) CURRENTLY INSTALLED.

MFG Lycoming MODEL I0-360-A3B6D SERIAL L-25426-51A  
 MFG \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_

PROPELLER(S) CURRENTLY INSTALLED.

MFG McCaulley MODEL \_\_\_\_\_  
 HUB MODEL B2034C214 SERIAL 900667 SERIAL \_\_\_\_\_  
 BLADE MODEL 9004B-16EP SERIAL JJ089 SERIAL JJ132 SERIAL \_\_\_\_\_  
 BLADE MODEL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_ SERIAL \_\_\_\_\_



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NOTES

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**WARNING**

**—THIS PROPELLER HAS BEEN DYNAMICALLY BALANCED—**

Each aircraft has an engine/propeller imbalance and amplitude different than others due to manufacturing tolerances in engine and/or propeller.

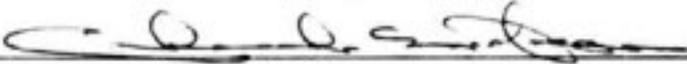
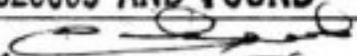
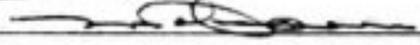
Dynamic balancing is not required but smoother operation will result when the engine & propeller are balanced as an integral unit.

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

It is at the owner's discretion to have the propeller/engine combination dynamically balanced after maintenance which may disturb the original balanced condition. Use of a Chadwick Helmuth dynamic balancing system is recommended but may not be the only means to accomplish this balance condition.

**Mooney Aircraft Corp.**

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DATE 19 <u>90</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.)
Jul 30			3.4	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY.  1672239
				THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY. 
Aug. 16			5.5	 FOR FAA FT. WORTH REGION

DATE 19 <u>90</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS</b> ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
AUG. 16			5.5	The Loran Navigation System, Make <u>KING</u> Model <u>KLN-88</u> Installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Aircraft Specification 020009, and is approved for use under Instrument Flight Rules, Enroute Only. Signed  Mooney Aircraft Corporation

DATE 19 <u>90</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.)
<b>I certify that A T C Transponder Tests required by FAR 91.172 have been performed.</b>				<b>I certify that the Altimeter and Static System tests required by FAR Parts 91.171 have been performed. The altimeter has been tested to <u>35,000</u> feet. 8-17-90</b>
Mooney Aircraft Corp. TC 2A3				Mooney Aircraft Corp. TC. 2A3
By <u>[Signature]</u> 8-17-90				By <u>[Signature]</u> 8-17-90
<b>I certify that the encoding altimeter tests required by FAR 91.36(b) have been performed.</b>				<b># I FIND THAT THE AIRCRAFT MEETS THE REQUIREMENTS FOR THE CERTIFICATION REQUESTED AND HAVE ISSUED A (STANDARD) (<del>SPECIAL</del>) AIRWORTHINESS CERTIFICATE DATED <u>8-17-90</u> THE NEXT ANNUAL INSPECTION IS DUE <u>8-17-91</u> "</b>
Mooney Aircraft Corp. TC 2A3				<b>SIGNED: <u>[Signature]</u> DMPR 50-294</b>
By <u>[Signature]</u> 8-17-90				

Airframe

LOG BOOK ENTRY

A/C REG: N885J

A/C S/N: 24-3192

DATE: 9-21-91

A/C TOTAL TIME: 89.8

HOUR METER: Hobbs: 89.8

W/O NO: 5063

ENGINE TOTAL TIME

S.M.O.H.

1. Completed an Annual Inspection using Mooney 100 Hr/Annual Inspection Guide for a checklist.
2. Complied with AD85-24-03 and Mooney Service Bulletin M20-229A by replacing fuel cap o-rings, adjusting lever tensions, and pressurizing fuel tanks to 1/2 psi. No leaks noted.
3. Installed new vacuum regulator filter, central air filter, and inline vacuum filter.
4. Replaced Defrost Blower Motor with new, P/N 640317-503 and lever, P/N E51-50b. Operational check completed satisfactory.
5. Replaced airspeed pressure switch, P/N 880013-507, S/N 774. Checked landing gear retraction and gear retracts at approximately 65 kts.

LOG BOOK ENTRY (CONT.)

Airframe

WO NO.
5063

6. Replaced lower cowling door inboard hinge assemblies and retainers. Rigged doors for smooth operation.

Page 2 of 2

-- End --

COLUMBIA AIR SERVICES, INC.  
 GROTON-NEW LONDON AIRPORT  
 GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N. Work Order # 5063

I certify that this Airframe has been  
 inspected in accordance with an Annual inspection  
 and determined to be in airworthy condition. Pertinent  
 details of the inspection are on file at this facility.

Date 9-21-91 A/C Total Time 808

Signature [Signature] Title Chief Inspector

OF  
(S.)

DATE

Airframe

## LOG BOOK ENTRY

19

A/C REG: N885JA/C S/N: 24-3192DATE: 02-17-92A/C TOTAL TIME: 126.9HOUR METER: 126.9W/O NO: 5327

ENGINE TOTAL TIME

S.M.O.H.

1. Researched Mooney Service Instruction M20-91A, Stall Warning Switch, Circuit Modification. Found the service instruction is N/A per aircraft serial number.
2. Complied with Mooney Service Bulletin M20-250, Induction Air/ Alternate Air Door Retrofit by installing kit number SBM20-250-1. Replaced the nut plate for the alternate air door per the service bulletin instructions.

-- End --

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.)

**MAINTENANCE RELEASE**

THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WO # 5327 DATE 02-17-02 SIGNED *[Signature]* FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340


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.)
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### LOG BOOK ENTRY

A/C REG: N885J

A/C S/N: 24-3192

DATE: 4-15-92

A/C TOTAL TIME:

HOUR METER:

W/O NO: A4421

ENGINE TOTAL TIME

S.M.O.H.

1. Installed overhauled KI 256 (Attitude Indicator), P/N 060-00017-0000. Operational check completed satisfactory.

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**MAINTENANCE RELEASE**

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 FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340



DATE  
19\_\_

RECORD  
TACH  
TIME

TODAYS  
FLIGHT

TIME  
SERVICE

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

Aviation Electronics Inc.

Hanscom Field, Bedford, Mass.

Date 10/22/92 Tach

I certify that Altimeter and static system tests have been performed in accordance with FAA Part 91.411

Altimeter(s) tested to 35,000 feet

LH Altimeter S/N 824 date 10/20/92

~~SH Altimeter S/N 824 date 10/20/92~~

*[Signature]*  
for CRS-UT5R261N

CRS-UT5R261N

AVIATION ELECTRONICS INC.

HANSCOM FIELD, BEDFORD, MASS.

**THIS TRANSPONDER SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH 91. 413, 91.217 AND APPENDIX F PART 43, F.A.R.S.**

**AND FOUND TO COMPLY. DATE 10/20/92**

*[Signature]*  
FOR CRS-UT5R261N

FOR CRS-UT5R261N

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.)
				DATE <u>10-20-92</u> TOTAL AIRCRAFT TIME <u>191.4</u> Prop <u>191.4</u> SINCE NEW
				TACH. OR HOBBS READING <u>191.4</u>
				ENGINE T.S.N. OR T.S.M.O.N. <u>191.4</u>
				<b>CERTIFY THAT THIS AIRCRAFT HAS BEEN</b>
				<b>INSPECTED IN ACCORDANCE WITH AN ANNUAL</b>
				<b>INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY</b>
				<b>CONDITION AND IS APPROVED FOR RETURN TO SERVICE.</b>
				<b>PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT</b>
				<b>THIS REPAIR STATION UNDER:</b>
				WO# <u>66288</u> TITLE <u>D.C.M.</u>
				SIGNED <u>[Signature]</u>
				<b>EAST COAST AVIATION</b>
				<b>EAA CERTIFIED REPAIR STATION NO. OVTR738L</b>
				<b>HANGAR TWO - WEST HANSCOM FIELD</b>
				<b>BEDFORD, MA 01730 617-274-0105</b>
				<u>THE FOLLOWING WORK ACCOMPLISHED:</u>

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.)
				<p>MC JALCO, HANDING GEAR SYSTEM CLEANED, FITTINGS, PIVOT POINTS LUBED, WHEELS - BEARINGS INSPECTED, CLEAN &amp; REPAIR ALL WHEEL BEARINGS IN TINES TO SPEC, REINSTALL WHEELS, SET BEARING DATA, SAFETY WHEELS, CLEAN &amp; LUBE BRACK- CALIPER MOUNTING PINS &amp; HOLES, LININGS CHECKED - REINSTALL RETURN CALIPERS. HANDING GEAR BELLOWS CHECKED IN MANUAL AND FOUND TO BE WITHIN ACCEPTABLE LIMITS, CLEAN &amp; RE LUBE TRAIN &amp; GEAR WHEEL DRIVES, LG RETRACTION - EXTENSION WHEEL PERFORMED, HOOKS, LIGHTS SWITCHES CHECKED - GOOD, EMERGENCY EXTENSION PERFORMED GOOD. LUBED ALL WING POINTS, ROD ENDS, BEL CRANKS. SERVICE HYD - B. 1410 - RESERVOIR, BATTERY SERVICED, CHARGED, CHECK CABLE &amp; BATTERY TERMINALS, ALL EXTERNAL - INTERIOR LIGHTS CHECKED - GOOD.</p>

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.)
				ELC BATTERY RE PINNED, DUE <sup>1716</sup> <u>ALERT</u> 1714, OPERATION
				SWEPT FOR FOREIGN MATTER SEVERAL CIRCLES - GOOD. REMOVED
				CLEANED MAIN FUEL BOWL, REINSTALLED WITH NEW SEALS, REINSTALLED
				BLEAK CHECKED - NONE NOTED, SUMPED FUEL TANKS - NO
				PARTICULAR CONTAMINATION NOTED. REMOVED FUEL CAPS
				CW MOONEY SR 1720-2294, REVALVED CAP SEALS, INNER &
				OUTER, CLEAN SHAFTS, REASSY, TENSION CHECK, INSTALL CAPS
				CITRUS VENT SYSTEM, LEAK CHECK CAPS - NONE NOTED.
				REPINNED DURATION CLEW BATTERY WITH NEW, OPS CHECK
				SAME - GOOD. REPINNED MAIN VAC & REV VAC FILTERS WITH
				NEW. OPS CHECK BULK-UP VAC SYSTEM. REPOSITION FINEED
				LINE UNDER GLINE SHELD IN PUMP OPS - RECHECK - GOOD





DATE 1973	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.)
Annual	1973			<p>P/N MS 9388-13.7 + MS 79512-05. Complied with  AD 85-24-03 per Mooney SB 279A by removing the  fuel caps and installing new O-rings, P/N's  1 ea. MS 79513-338 &amp; MS 79513-010 in each fuel  cap. Adjusted the lever tension of each fuel cap.  Removed the battery from the battery box, serviced  with water, topped and then reinstalled in the  aircraft. Removed and replaced both of the fuel  tank drains, P/N F391-535 also installed 2 new  fuel drain decals P/N 150080-6079. Installed 4  new no-step placards, P/N 150080-007. Installed  a new Graphic Engine Monitor, P/N 602 →</p>

DATE 19 <u>73</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.)
Annual 93				<p>S/N 007384 in accordance with the instructions contained in the kit and SJC #SA 157NE.</p> <p>Revised the weight and balance and equipment list.</p> <p>Relocated the ARTEX remote ELT switch to the lower console. Fabricated and installed a new sheetmetal instrument panel out of .040" aluminum which houses the following components: The GFM, Fuel Flow meter, Inter Com, Free Valve switch, DME, Nav. 10 Nav. 7 switches. Removed the 3 Tanis Engine Heater probes and installed 4 100t type thermocouple heater probes that are approved for Testron Licensing Engines.</p>

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.)
				DATE <u>11-30-93</u> TOTAL AIRCRAFT TIME <u>251.6</u>
				TACH OR HOBBS READING <u>251.6</u>
				ENGINE T.S.N. OR T.S.M.O.H. <u>251.6</u>
				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 AND IS APPROVED FOR RETURN TO SERVICE.
				PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT
				THIS REPAIR STATION UNDER:
				WO# <u>6957RS</u> TITLE <u>General Manager</u>
				SIGNED <u>[Signature]</u>
				EAST COAST AVIATION
				FAA CERTIFIED REPAIR STATION NO. OVTR738L
				HANGAR TWO - WEST HANSCOM FIELD
				BEDFORD, MA 01730 617-274-0105

DATE  
24RECORDING  
TACH  
TIMETODAYS  
FLIGHTTOTAL  
TIME IN  
SERVICEDESCRIPTION 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.)

309.2

NEW ENGLAND AVIONICS  
EAST COAST AVIATION  
DIV. OF EAST COAST TRADING  
HANSCOM FIELD, HANGAR TWO  
BEDFORD, MA 01730I certify that Biennial Correspondence Test of altimeter,  
encoder tested to 35,000 feet date 11-94 along with  
pitot static system as required by FAR Part 91.411 and  
91.413. Transponder tested to comply with Appendix F  
Part 43 ~~of~~ KT76A-  
Inspector: T. ANDREWS Certificate # 2417209  
FAA CRS #RA5R164N  
New England AvionicsAlso: REMOVED AND SENT KC 192 AUTOPILOT  
CONTROLLER TO KING FOR SERVICE. PROBLEMS FOUND  
AND CORRECTED. RETURNED UNIT TO AIR & TESTED  
UNIT TESTED IAIN CURRENT KCS OF FAA, INSPECTED  
AND MAY RETURN TO SERVICE. Thomas Lindholm II  
For CRSA RASRIEMIN.

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.)
				<p>DATE <u>3-8-95</u> TOTAL AIRCRAFT TIME <u>309.2</u>  TACH. OR HOBBS READING <u>309.2</u>  ENGINE <u>T.S.N.</u> OR T.S.M.O.H. <u>309.2</u>  I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN  INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL 100 hr</u>  INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  CONDITION AND IS APPROVED FOR RETURN TO SERVICE.  PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT  THIS REPAIR STATION UNDER:  WO # <u>7274RS</u> TITLE <u>Inspects</u>  SIGNED <u>William Rose</u>  EAST COAST AVIATION  FAA CERTIFIED REPAIR STATION NO. OVTR738L  HANGAR TWO - WEST HANSCOM FIELD  BEDFORD, MA 01730 617-274-0105</p>
				<p>The following was accomplished,</p>

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.)
				<p>Hobbs 309-2 TT 309.2 PERFORMED AN ANNUAL /100 HR Inspection  I/A/W THE CHECKLIST OUTLINED IN THE M205 MAINTENANCE MANUAL  JACKED AIRCRAFT PERFORMED GEAR SWING AND EMERGENCY  EXTENSION TEST, WAS SATISFACTORY, DRESSED AND PAINTED THE  PROPELLER, AS REQUIRED. REPLACED VACUUM SYSTEM FILTERS PIN B3-5-1  Regulator filter, PIN D9-10-1 main system filter, PIN 14-6 canister filter. Clean  landing gear + SERVICED WITH AEROSHELL #7 GREASE. CLEANED  INSPECTED WHEEL BEARINGS, NO DEFECTS NOTED. GREASED  WITH AEROSHELL #5 GREASE. REPLACED NOSE TIRE WITH  MICHELIN 5.00 x 5 6 ply tire S/N 418 W00AAS. BROVED WHEEL  HALVES I/A/W CLEVELAND MANUAL. A. RED ALL TIRES TO SPECS.  LUBRICATED AIRFRAME I/A/W M205 MAINTENANCE MANUAL →</p>

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	309.2	→	309.2	Serviced FUEL GASKETATOR BOWL REPLACED
				O-RINGS P/N MS29512-05 AND P/N M83248-1-137 TORQUED
				AND SAFTIED, LEAK CHECKED, NO LEAKS NOTED. SERVICED AIRCRAFT
				BATTERY. NEUTRALIZED ACIDS IN BATTERY TRAY FLUSHED WITH
				WATER + DRIED SHIMMED PROPPELLER SPINNER. C/W AD85-24-03
				FUEL CAP INSPECTION TO PREVENT WATER FROM ENTERING
				FUEL TANK. REMOVED FUEL CAPS DISASSEMBLED <del>DISASSEMBLED</del>
				AND INSPECTED, NO DEFECTS NOTED REPLACED O-RINGS
				P/N MS29513-010 P/N MS29513-338 REASSEMBLED
				CAPS AND SAFTIED REPLACED ELT BATTERY P/N 452 030
				NEW REPLACEMENT DATE JAN '97. INSPECTED ELT 1/A/W
				FAR 91.207 CHECKED REMOTE SWITCH 3 SWEDS, Satisfactory

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.)
	309.2	→	309.2	"G" SWITCH CHECKED SATISFACTORY - ARM/OFF SWITCH CHECKED SATISFACTORY INSPECTED ELT FOR GENERAL CONDITION REPLACED HARDWARE FOR COVER PLATE P/N 217-0805 P/N 282-0502 P/N 282-0500 REINSTALLED ELT IN TRAY. RETESTED REMOTE SWITCH + OFF/ARM SW 3 SWEEPS EA. WAS SATISFACTORY. REMOVED STATIC WICKS REPLACED LOCKWASHERS P/Nms35338-90AND REINSTALLED - INSTALLED NEW BASE, RT ALERON, P/N 10-900-85 INSTALLED TWO NEW STATIC WICKS P/N DD-1W. PAINTED BASE AS REQUIRED DRAINED LEFT FUEL TANK REPLACED FUEL OUTLET PLATE GASKET P/N 610261-001. FUELED TANK LEAK CHECKED NO LEAKS NOTED. SERVICED RESIVOR - WITH MIL SPECK 5606

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.)
19-75	309.2	→	309.2	Hydraulic Oil RETORQUED NOSE GEAR PWT
	BOLT 1/4" x 1/2"	1700-1800		MAINTENANCE MANUAL, FITTED, PAINTED, AND INSTALLED
				NEW TOP COWLING P/N 650126-505
END				

3-9-75.

NEW ENGLAND AVIONICS  
EAST COAST AVIATION  
DIV. OF EAST COAST TRADING  
HANSCOM FIELD, HANGAR TWO  
BEDFORD, MA 01730

REMOVED RIGHT L-BAND ANTENNA  
COOKING BEHIND EXHAUST AND INSTALLED  
NEW C1-100 ANTENNA FURTHER BACK ON  
BELLY PAN. GROUND-PLANE-DOUBLE USED  
AND GLOB. P.C. TRANSPONDER RECYCLE  
OK. THIS ITEM INSP. IAW CURRENT REGS  
OF THE FAA AND MAY RETURN TO SERVICE





AC REG.: N 885J A/C S/N: 24-3192  
DATE: 6-6-95 HOUR METER: 320.0 W/O NO: 239

19. Complaint - Intermittent Autopilot  
Disconnection or Cannot Engage.

The K5179 Trim Servo was sent to  
Manufacturer for evaluation and adj.

The KC 191 was sent to manufacturer  
in November and repaired.

**NEW ENGLAND AVIONICS  
EAST COAST AVIATION  
DIV. OF EAST COAST TRADING  
HANSCOM FIELD, HANGAR TWO  
BEDFORD, MA 01730  
CRS# RA5R164N**

Service Bulletin 343 was performed IAW IB-343  
and inspected, re-lubricated and placard installed.  
Changed LORAN-HSI Active Lite, changed bulb.

Updated LORAN Software 5/24/95

Finally replaced thumb switch for autopilot trim  
that was intermittently shorting to engage clutch  
thus creating problems above. This AC insp IAW  
current Regs off air and may return to service.

Thomas Lambert WSP 24729A

DATE 1945	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.)
11-4-45	367.0	—	367.0	<p>INSTALLED A NEW GEAR DOWN LIMIT SWITCH P/N PG-24014. RECHECKED THE PRE-LOAD PER CHAPTER 32-30.00 OF THE M20J MAINTENANCE MANUAL. PERFORMED GEAR RESTRICTION, EXTENSION &amp; EMERGENCY EXTENSION CHECKS. OPERATIONAL CHECKS PERFORMED SATISFACTORY. —</p>
				<p>WORK ORDER # 7550PS  SIGNATURE Joseph G. Adams Chief Inspector.  EAST COAST AVIATION  FAA CERTIFIED REPAIR STATION NO. OY1783L  HANGAR TWO-WEST HANSCOM FIELD  BEDFORD, MA 01730 617-271-1185</p>



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.)
				<p>DATE <u>4-2-96</u> TOTAL AIRCRAFT TIME <u>369.9</u></p> <p>TACH. OR HOBBS READING <u>369.9</u></p> <p>ENGINE T.S.N. OR T.S.M.O.H. <u>369.9</u></p> <p>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 AND IS APPROVED FOR RETURN TO SERVICE.  PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT  THIS REPAIR STATION UNDER:  WO# <u>7630RS</u> TITLE <u>Inspector</u>  SIGNED <u>Adm L Harris</u>  EAST COAST AVIATION  FAA CERTIFIED REPAIR STATION NO. OVTR738L  HANGAR TWO - WEST HANSCOM FIELD  BEDFORD, MA 01730 617-274-0105</p>
				<p>The following was accomplished at this  time:</p>

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.)
4/2/96	369.9 continued			<p>Performed 100 HR./Annual inspection of this Aircraft IAW the M205 Service Manual. Serviced battery &amp; hydraulic fluid. Cleaned &amp; inspected wheel bearings repacked installed &amp; safetied. Cleaned landing gear inspected lubed &amp; swung several times including ops ✓ of emergency extension. C/W 91.207 EIT ops ✓ &amp; inspection Replaced Inlet, Regulator, &amp; Inline Vacuum system filters. lubed entire air frame. C/W 513343 King radio relubed bearing. Retorqued &amp; safetied left flap find rod end castle nut. Secured speed brake cables in wheel wells. Re-shimmed nose gear steering</p>

DATE 1986	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.)
4/2/96	369.9 continued			horn as needed Installed new end cap & clevis bolt. Installed new spinner skin tape for proper spinner fit. c/w AD Note 85-24-03 IAW M20-229
FAPS:	91411	11/96	Due	no defects noted M20-230 Does not apply at this
	91413	11/96		time. Aircraft cleared & released for
	91207	4/97		service. END -
	ELT BATT	1/97		
AD's	checked thru	thru	issue	
	96-06			



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.)
				<p>DATE <u>APRIL 21, 1997</u> TOTAL AIRCRAFT TIME <u>423:3</u>  TACH. OR <del>HOODS</del> READING <u>423:3</u>  <del>ENGINE T.O.D.</del> OR T.S.M.O.H. <u>423:3</u>  I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN  INSPECTED IN ACCORDANCE WITH AN <u>ANNUNC</u>  INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  CONDITION AND IS APPROVED FOR RETURN TO SERVICE.  PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT  THIS REPAIR STATION UNDER:  WORK <u>7950</u> TITLE <u>D.O.M</u>  SIGNED <u>Robert Freeman</u>  EAST COAST AVIATION &amp; NEW ENGLAND AVIONICS  FAA CERTIFIED REPAIR STATION NO. EA6R508N  HANGAR TWO WEST HANSCOM FIELD  BEDFORD, MA 01730 617-274-0105</p>
				<p>THE FOLLOWING ACCOMPLISHED THIS INSPECTION:  REMOVED AND REPILED THE JACUUM  SYSTEM FILTERS 1J4-6 AND D9-18-1, B351.</p>

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.)
ANN 10441	1997			<p>THE VACUUM SYSTEM OPERATION WAS CHECKED AT THE FINAL ENGINE RUN-UP AND FOUND SATISFACTORY.</p> <p>REMOVED ALL WHEELS, BEARINGS. DISASSEMBLED THE WHEELS AND VISUALLY CHECKED THE WHEEL HALVES FOR CORROSION, DENTS, CHAUCES, BOLTS CHECKED FOR ELONGATION, TINES AND TYRES CHECKED. BEARINGS CLEANED, VISUALLY CHECKED, SERVICED ALL OF THE BEARINGS, CLEANED THE WHEEL COMPONENTS, RE-INSTALLED AND SERVICED THE BEARINGS. REASSEMBLED THE WHEELS, TINES, TYRES, RE-TIGHTENED THE WHEEL BOLTS SAW NO OIL / LEVELLED RUNWAYS. A1110</p>

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.)
				<p>ANNUAL 1997</p> <p>ALL TIRES TO SPEC. REINSTALLED AND  RESET THE WHEEL BEARING DRUM, REINFITTED  ALL OF THE WHEELS. REPLACED ALL OF THE  BRAKE LININGS, CLEANED, VISUALLY CHECKED  ALL OF THE BRAKE LINING MOUNTING PLATES  VISUALLY CHECKED THE BRAKE CALIPERS, CLEANED  AND LUBED THE MOUNTING PINS. REINSTALLED  THE LININGS, CALIPERS, TIGHTENED AND SAFETIED  AS REQUIRED. REMOVED THE LOOSE CABIN  DOOR HANDLE, VISUALLY CHECKED, REINSTALLED  WITH AN ADDITIONAL WASHER, LOCKTITE AND  RETIGHTENED, PERFORMED AN OPERATIONAL CHECK AND</p>

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.)
				<p>ANNUAL 1997</p> <p>FOUND SATISFACTORY, PRESSURE WASHED, BRUSHED CLEAN THE LANDING GEAR, SERVICED THE LANDING GEAR PER THE MOONEY 420J SERVICE MANUAL. LUBRICATED THE AIRFRAME PER THE 420J SERVICE MANUAL.</p> <p>REMOVED THE MAIN FUEL BOWL ASSEMBLY. DISASSEMBLED AND VISUALLY CHECKED FOR CONTAMINANTS WITH NONE NOTED. CLEANED THE BOWL AND SCREEN. RE ASSEMBLED WITH NEW O-RINGS. RE INSTALLED, TIGHTENED AND SAFETIED AS REQUIRED. PERFORMED AN OPERATIONAL AND LEAK CHECK AND FOUND SATISFACTORY.</p>

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.)
ANNUAL		1997		<p>REMOVED THE AIRCRAFT BATTERY. SERVICED ANY          CHANGES. CLEAN THE BATTERY, CLEANED THE          BATTERY BOX AND TERMINALS. REINSTALLED AND          RESECURED THE BATTERY. REMOVED THE ELT,          REPAIRED THE ELT BATTERY, NEW DUE DATE          IS DECEMBER 1998. COMPLIES WITH FAR 91.207D          ELT INSPECTION AND TESTING INW THE          FAR AND NO DEFECTS WERE NOTED.          CW THE MOONEY AD 85-24-03 FUEL CAP          SYSTEM. CAPS CLEANED, O-RINGS REPLACED AS          REQUIRED. DEGREASES THE BOTTOM OF          THE FUSELAGE WITH VARSOL. REMOVED THE</p>

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.)
Annual		1997		<p>FORWARD WING WALK MATERIAL. DETERMINED THAT THE FWD WING WALK FUEL ACCESS PLATE RETAINING SREW WAS LEAKING. REMOVED THE RESIDUAL FUEL STAINS AND ADHESIVE FROM THE FORWARD WING WALK AREA. REMOVED THE LEAKING SREW, CLEANED THE SCREW FROM THE SREW AND SREW BOSS AREA. APPLIES NEW SCREW AS REQUIRED, REINSTALLS THE SREW, TORQUES. HEAVY CHECKED SAME WITH NO LEAKS NOTES. INSTALLS A NEW FORWARD WING WALK MATERIAL, SEALS EDGES AS REQUIRED.</p>

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.)
ANNUAL	1997			<p>REMOVES THE LANDING GEAR INTERMEDIATE <sup>RETRACTION</sup> RODS. CLEANS, VISUALLY CHECKS THE ATTACH BUSHINGS AND BOLTS. RESHIMMES THE BUSHINGS AS REQUIRED WITH WASHERS. RE INSTALLS THE INTERMEDIATE <sup>RETRACTION</sup> TUBES, REPLACING TWO (2) AN4-20A BOLTS AND NUTS. RETORQUES FTW THE MOONEY MANUAL. CHECKS THE LANDING GEAR LOADS SAW THE MOOSE MANUAL AND FOUND TO BE SATISFACTORY. PERFORMS SEVERAL LANDING GEAR CYCLES, HORN, LIGHTS, POSITION INDICATOR FOUND SATISFACTORY. EMERGENCY EXTENSION CYCLE PERFORMED SATISFACTORY. LANDING GEAR DOOR OPERATIONS</p>



19	TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND CERTIFICATE NUMBER OF ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<p>I certify that the altimeter tested to <u>2500</u> feet on <u>APR 6<sup>th</sup></u> and static system tests required by FAR 91.411 have been performed.</p> <p>New England Avionics FAA CRS # EA6R508N</p> <p>By <u><i>Robert M. Stettin</i></u></p>
				<p>I certify that A T C transponder Tests required by FAR 91.413 have been performed.</p> <p>New England Avionics FAA CRS # EA6R508N</p> <p>By <u><i>Robert M. Stettin</i></u></p>
				<p>WORK ORDER # <u>7950 #400</u></p> <p>SIGN/TITLE <u><i>Robert M. Stettin</i></u></p> <p>EAST COAST AVIATION &amp; NEW ENGLAND AVIONICS FAA CERTIFIED REPAIR STATION NO. EA6R508N HANGER TWO-WEST HANSCOM FIELD BEDFORD, MA 01730 617-274-0105</p>

DATE 19 98	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.)
5-1-98	478.3	-	478.3	<p>PERFORMED AN ANNUAL INSPECTION I.A.W. THE  M 305 SERVICE MANUAL INSPECTION LIST.  SERVICED THE FUEL SYSTEM INSTALLING NEW  "O" RINGS. PRESSURIZED THE FUEL SYSTEM  &amp; INSPECTED FOR LEAKS. NONE WERE NOTED.  INSTALLED NEW INTAKE VACUUM FILTER  154-6, CENTRAL FILTER D9-18-1, &amp; REGULATOR  FILTER AS B3-5-1. SERVICED THE WHEEL  BEARINGS. INSTALLED A NEW LEFT MAIN  TIRE MICHELIN 600X6, 6PR. CLEANED  &amp; SERVICED THE LANDING GEAR. SERVICED  THE APC BATTERY TO A SPECIFIC →</p>

DATE 19 98	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.)
5-1-98	478.3	—	478.3	<p>GRAVITY READING OF 1285. LUBRICATED THE AIRFRAME IAW THE SERVICE MANUAL. C/PW FAR 207 (D) INSPECTION &amp; TESTING OF THE FUEL BATTERY DUE FOR REPLACEMENT. REPAIR LEAKING FUEL ACCESS PANEL SCREW UNDER THE WING WALK PER THE M20 SERVICE MANUAL. CHAPTER 28-11-00. INSTALLED A NEW FORWARD WING WALK. C/PW AD 25-24-03 WATER CONTAMINATION IN THE TANKS IAW. PARAGRAPH "B" &amp; SB M20-225A. NEW FUEL CAP "O" RING &amp; WALK INSTALLED. &amp; CAP TENSION WALK →</p>

2  
7

DATE 1988	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)
5-1-98	478.3	—	478.3	<p>→ Adjusted. C/w AD 97-26-08 by Rlim  the fuel cap lanyards. Reset the  ing gear pre-loads per chapter 33-30-  37-30-03 of the M20 SERVICE MANUAL. Per-  formed SEVERAL gear, retraction, extension  Emergency. Extension functional test. I  STALLED. New Right F/B gear door.  PIN 520060-002. Installed a new cabin  step fairing PIN 840076-001. Installed  A neoprene strip on the MLG &amp; NLG  door to prevent chafing. C/w IB 343  Bendix trim servo carrier bearing.</p>

DATE 19 <u>98</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.)
5-1-98	478.3	-	478.3.	<p>→ Inspection. Lubricated. functional check was satisfactory. c/w SF M20-104 Landing light modification by installing kit. SF M 20-104-1 per steps 1 thru 18. SB M20-261 Transponder mod is N/A by s/n 78004. Nylon seat belt retainer is N/A model. c/w SB M20-264. ALBERON, center control link inspection. Installed kit @ this time. P/N M20-264-1 by installing new links P/N LH. 730005-1 &amp; RH. P/N 730006-000. Ripped pit the M20 J SERVICE MANUAL per Chapter. 2710-00, 27-60-00. Installed</p>

DATE 19 <u>98</u>	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.
5-1-98	498.3	<p>→ SEVERAL NEW CAM LOCKS IN THE COWLING. INSTALLED TWO NEW LOWER COWL DOOR LATCH PINS 650194-004, 650194-003 &amp; TWO NEW F/B HINGES 650177-301, 650177-302. REINSTALLED COWL DOOR. INSTALLED A NEW STABILIZER TRIM WHEEL COVER. INSTALLED A NEW ALN88 DATA UPDATE SW ON U13566. BLEAD THE BRAKE SYSTEM &amp; SERVICE THE RESERVOIR WITH 5606 HYDRAULIC FLUID. RESTART AD'S THUR BT WISELY 98-07.</p>
		<p style="text-align: center;"> <b>East Coast Aviation</b>  <b>Hangar 2, Hanscom Field</b>  <b>Bedford, MA 01750</b> </p> <p style="text-align: right;"> <b>East Coast Aviation</b>  <b>Hangar 2, Hanscom Field</b>  <b>Bedford, MA 01750</b> </p>

DATE

19 98TOTAL  
TIME IN  
SERVICE478.3

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.

5-1-98

DATE 5-1-98 TOTAL AIRCRAFT TIME 478.3  
TACH. OR HOURS READING 478.3

ENGINE P.O.N. OR T.S.M.O.H. N/A

I CERTIFY THAT THIS Airframe HAS BEEN  
INSPECTED IN ACCORDANCE WITH AN Annual

INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  
CONDITION AND IS APPROVED FOR RETURN TO SERVICE.  
PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT  
THIS REPAIR STATION UNDER:

WORK ORDER NO. EA60 TITLE Chief Inspector  
SIGNED Joseph G. Gaudin

EAST COAST AVIATION & NEW ENGLAND AVIONICS  
FAA REGISTERED REPAIR STATION NO. EA6R508N  
HANGAR TWO - WEST HANSCOM FIELD  
BEDFORD, MA 01730 617-274-0105

## MAINTENANCE RECORD ENTRY

DATE

19\_\_

N#: 8855

A/C MOD # M205

A/C S/N: 24-3192

DATE: 9 July 98

TAG#: Hor385 507.7

W/O NO: 8598

ING AGENCY.

Performed Eng oil & Filter change.  
Took sample. Reserived Eng  
with 7QTS OF AeroShell 15W-50  
Ran A/C and leak check Eng.  
Leak check good.

SIGNED/TITLE:

Jeff. Wall (Technician)

EAST COAST AVIATION, FAA CRS# EA6R508N

HANGAR 1730, HANSCOM AFB, BEDFORD, MA 01731

I certify that the altimeter M/N 5939021 S/N 16824 was tested  
to 35,000 feet on 5/4/99 and the static system tests required  
by FAR 91.411 have been satisfactorily performed.  
Date 5/4/99 Work Order# 9133

Tach or Hobbs Time: 556.3  
Signature: [Signature]

East Coast Aviation  
Hanscom AFB-Hangar 1730  
Bedford, MA 01731

FAA Certified Repair Station EA6R508  
phone: 781-274-0105 fax: 781-274-0714

I certify that ATC Transponder Tests required by FAR  
91.413 have been satisfactorily performed.  
M/N KT76A S/N 78004  
Date: 5/4/99 Work Order # 9133

Tach or Hobbs Time: 556.3  
Signature: [Signature]

East Coast Aviation  
Hanscom AFB-Hangar 1730  
Bedford, MA 01731

FAA Certified Repair Station EA6R508N  
phone: 781-274-0105 fax: 781-274-0714



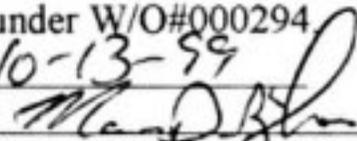

DATE

19\_\_

TOTAL  
TIME IN  
SERVICE

**MANUFACTURERS MANDATORY SERVICE BULLETINS**  
 CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.

(Cont.) NOTED ASSEMBLED TORQUED WHEEL HALFS & SPECKS Aired  
 TIRES. CLEANED & SERVICED LANDING GEAR. INSTALLED  
 WHEELS SET BEARING DRAG & AFTER. CHECKED PRELOADS ALL  
 SATISFACTORY. ADJUSTED STEERING HORN ROW END. TO TAXI  
 STRAIGHT. CHECKED T/W STOPS WAS SATISFACTORY.  
 C/W FAR 91.207(d) ALL FUNCTIONS CHECKED NO DEFECTS  
 NOTED INSTALLED NEW BATTERY. EXPIRATION DATE 6/01  
 LUBRICATED THE AIRFRAME, SERVICED FUEL BOWL, INSTALLED  
 NEW BATTERY PIN 6243 S/N 601795626 REPLACED  
 THE VACUUM SYSTEM FILTERS. INSTALLED NEW  
 STROBE LAMP RT WING TIP. OPS ✓ GOOD. C/W Moody  
 A1) 85-24-03 IIA/W AD NOTE & Moody SB A20-229 PAR.

DATE 19__	TOTAL TIME IN SERVICE	CURRENT WEIGHT AND BALANCE INFORMATION			
		EMPTY WEIGHT	EMPTY C. G.	USEFUL LOAD	REMARKS
(Cont)					Replaced o-rings, Assembled, set cap tension & STARTED Reduced RT FUEL DRAIN VALVE. W/IN F391-538 ALSO INSTALLED NEW DRAIN VALVE PLACARD CHECKED CONTROL TRAVEL, Aircraft systems & LIGHTING. Per CHECKLIST HOW BIWEEKLY ISSUE NO 99-06
<p>Date: 10/13/99  Hobbs: 604.6  Bled &amp; serviced brakes. Ops check good.  The aircraft or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found airworthy and approved for R.T.S. Pertinent details of the repair are on file at this agency under W/O#000294</p> <p>Date: 10-13-99  Signed:  Marc D. Brigham  Signature of Authorized Inspector for Oxford Aviation, Inc.  75 Number Six Road, PO Box 990, Oxford, ME 04270  FAA Approved Repair Station #OACR 582 S</p>					
<p>Walter Stone  EAST COAST AVIATION  FAA CRS EABRSEN.</p>					

## EQUIPMENT ADDITION, REMOVAL OR EXCHANGE

DATE

TOTAL  
TIME IN  
SERVICE

ITEM — MFG NAME — MODEL — SERIAL

19\_\_

- Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required—Exchanged for Optional  
 Removal of Required—Exchanged for Optional

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

- Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required—Exchanged for Optional  
 Removal of Required—Exchanged for Optional

Date: 5/26/00Work Order # 9839

- Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required—Exchanged for Optional  
 Removal of Required—Exchanged for Optional

Tach. or Hobbs Time: 621.1 Aircraft Total Time: 621.1Signature Michael Archer

East Coast Aviation  
 Hanscom AFB-Hangar 1730  
 Bedford, MA 01731

FAA Certified Repair Station #EA6R508N

Phone 781-274-0105

Fax 781.274.0714

- Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required—Exchanged for Optional  
 Removal of Required—Exchanged for Optional

- Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required—Exchanged for Optional  
 Removal of Required—Exchanged for Optional

- Performed an Annual Inspection of the aircraft in accordance with inspection checklist contained in the Mooney Aircraft M20J service manual.
- Accessed and recorded all model numbers, part numbers and serial numbers of the aircraft, engine, propeller and accessories. Perform a computerized research of all potential Airworthiness Directives against these items thru bi-weekly issue #2000-08.
- Complied with FAR 91.207 (d) by removing the ELT unit from the aircraft and disassembled. Inspected for corrosion and other defects and none were noted. Replaced the batteries with a new expiration date of 6/01. Tested the "G" switch and noted proper operation. Reinstalled the ELT unit and performed an operational test which was satisfactory.
- Jacked the aircraft. Remove all 3 wheels. Removed, cleaned and inspected the wheel bearings for defects, wear, etc., none noted. Re-packed the wheel bearings with Aeroshell No. 5 grease. Disassembled each wheel assembly. Cleaned each wheel assembly and checked for wear, cracks and general condition, no discrepancies were noted. Reassembled each wheel assembly replacing any serviceable hardware as required. Reinstalled each wheel to the respective axle and set the wheel bearings drag. Saftied each nut using a new cotter pin.
- Thoroughly cleaned the landing gear using a grease soluble solvent under pressure. Used a bristle brush where necessary to remove stubborn deposits. Dried the landing gear using compressed air and shop wipes as required. Lubricated the landing gear in accordance with the lubrication guide contained in the Mooney Aircraft M20J service manual.
- Lubricated the aircraft in accordance with the lubrication guide contained in the Mooney aircraft M20J service manual.
- Accessed and removed the aircraft battery. Removed the cell vent caps, serviced with distilled water. Placed the battery on charger for the period of time required to obtain acceptable specific gravity readings. Reinstalled the cell vent caps and flushed the battery exterior with fresh water. Cleaned the battery box and surrounding area with acid neutralizer. Cleaned the battery cable terminal ends as required. Reinstalled the battery and secured the battery cable terminal ends. Secured the battery installation as required.
- Removed and replaced the vacuum regulator filter and the gyro central air filter with new units listed below. Also, replaced the vacuum pump inlet filter and the stand-by vacuum pump inlet filter. Performed an operational check of the

STANDARD

- primary vacuum system and noted proper operation.
- Removed each fuel cap. Disassembled and inspected. Carefully cleaned the shaft of the locking tab. Removed and replaced both O – rings. Reassembled using a new cotter pin to safety. Installed the fuel caps and set the fuel cap level tension.
- Placed the fuel selector valve in the "off" position. Removed the fuel filter bowl, removed the fuel filter and inspected for contaminants, none were noted. Cleaned the filter and reinstalled. Installed the fuel filter bowl using new o-rings. Pressurized the fuel system to check for leaks and none were noted.
- Complied with Allied Signal Inspection Bulletin 343 in accordance with the associated instructions. Removed the Trim Carrier bearing, cleaned and inspected, no defects were noted. Re greased using MIL-G-23827 grease and reassembled the Trim Carrier bearing. Performed an operational check of the manual and electric trim system and noted smooth and satisfactory operation.
- Removed the turn coordinator and HSI to gain access. Installed a new turn coordinator p/n 1394T1003Z, s/n 2004-453 using original hardware. Reinstalled the HSI and operationally tested both units with satisfactory results.
- Replaced the wet compass bulb with new p/n 327. Operationally tested with satisfactory results.
- Removed the fuel selector handle. Partially removed fuel selector cover to gain access. Removed and replaced the position indicator clear lens p/n 150080-247. Reinstalled the fuel selector cover and handle.
- Removed the existing placards and cleaned the area with MEK. Installed new placard oil filter door placard p/n 150080-6041.
- Removed and replaced the right wing quick drain valve p/n F391-53S. Leak tested with no leaks noted at this time.
- Removed the old empennage trim link and bolts. Replaced the forward bolt, bushing p/n 914017-000, trim link p/n 740170-000 and aft bolt in accordance with the Mooney M20J Service Manual. Lubricated the bolts, torqued to standard specifications and saftied with safety wire.
- Removed and replaced the static wick base p/n 10-900-85 and painted to match the aircraft.
- Lowered the flaps and removed the inboard fairings. Adjusted the left and right flap "up" position to prevent further chafing. Cleaned and painted chafe marks. Saftied the flap control link hardware and reinstalled the inboard fairings.
- Adjusted the landing gear "up" stop in accordance with the Mooney M20J Service Manual. Secured set screw.
- Tightened all microphone jacks in the aircraft as required.

END

Date: 7/11/01

Hobbs: 717.5

Removed fuel selector valve, sent to manufacturer for overhaul,  
reinstalled. leak checked, no leaks noted.

The aircraft or component identified above was repaired and inspected  
in accordance with current regulations of the Federal Aviation  
Administration and was found airworthy and approved for R.T.S.  
Pertinent details of the repair are on file at this agency under

W/O #: 000539

Date: 7/11/01

Signed: TIM Todd I. May

Authorized Inspector for Oxford Aviation, Inc.

75 Number Six Road, PO Box 990, Oxford, ME 04270

FAA Approved Repair Station #OACR 582 S

**Date: 09/03/01 A/C Model: M20J R/N: N885J S/N: 24-3192 Hobbs: 722.9**

Removed the transponder s/n 78004 and sent it out for repair. Received back from repair and re-installed it into the aircraft. Operationally tested in accordance with FAR Part 43 Appendix E par C as required by FAR Part 91.413 par B with no faults noted.

0#10860

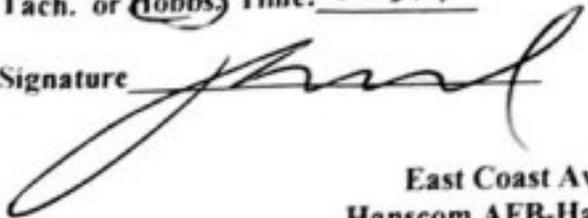
SIGN/TITLE: \_\_\_\_\_

**EAST COAST AVIATION  
FAA CRS# EA6R508N  
HANGAR 1730 HANSCOM FIELD  
BEDFORD, MA 01731**

I certify that the altimeter M/N 57911/1 S/N 16824 was tested to  
35000 feet on 8/30/01 and the static system tests required by FAR  
91.411 have been satisfactorily performed.

Date 9/3/01  
Tach. or Hobbs Time: 723.7

Work Order # 10860

Signature 

East Coast Aviation  
Hanscom AFB-Hangar 1730  
Bedford, MA 01731

FAA Certified Repair Station EA6R508N

Phone 781-274-0105

Fax 781-274-0714

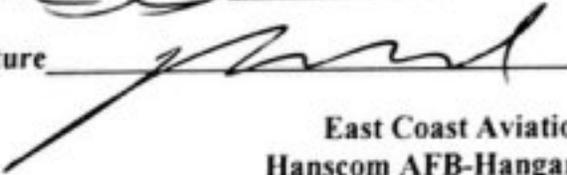
Log Book # 1 closed  
~~5th Log Book # 2~~  
HOBBS 849.8  
12-12-03

I certify that ATC Transponder Tests required by FAR  
91.413 have been satisfactorily performed.

M/N KT76A  
Date 9/3/01

S/N 78004  
Work Order # 10860

Tach. or Hobbs Time: 723.7

Signature 

East Coast Aviation  
Hanscom AFB-Hangar 1730  
Bedford, MA 01730

FAA Certified Repair Station EA6R508N

Phone 781-274-0105

Fax 781-274-0714



- service instructions. Properly cleaned the battery location area and reinstalled each battery, secured as required.
- Removed and replaced the vacuum regulator filter and the gyro central air filter with new units. Also, replaced the vacuum pump inlet filter and the stand - by vacuum pump inlet filter.
- 
- Removed each fuel cap. Disassembled and inspected. Carefully cleaned the shaft of the locking tab. Removed and replaced both O - rings. Reassembled using a new cotter pin to safety. Installed the fuel caps and set the fuel cap lever tension.
- 
- Placed the fuel selector valve in the "off" position. Removed the fuel filter bowl, removed the fuel filter and inspected for contaminants, none were noted. Cleaned the filter and reinstalled. Installed the fuel filter bowl using new o-rings. Pressurized the fuel system to check for leaks and none were noted.
- 
- Complied with Allied Signal Inspection Bulletin 343 in accordance with the associated instructions. Removed the Trim Carrier bearing, cleaned and inspected, no defects were noted. Re greased using MIL-G-23827 grease and reassembled the Trim Carrier bearing. Performed an operational check of the manual and electric trim system and noted smooth and satisfactory operation.
- 
- Removed and replaced the brake linings with new linings P/N 066-10500 and rivets P/N 105-00200.
- Tightened the pilot and copilot seat undercarriage hardware as required. Installed new cotter pins. Checked security and found to be satisfactory.
- Retorqued the securing hardware on the pilot's armrest.
- Removed and replaced the copilot's side glare shield bulb P/N 327. Checked operation, found to be satisfactory.
- Found the bulb missing in the compass light. Installed a new bulb P/N 327, checked operation found to be satisfactory.
- Serviced brake reservoir with hydraulic fluid.
- Removed and replaced tow limit placard P/N 150056-A2022R.
- Removed and replaced the do not exceed tow limits placard P/N 150080-6005.
-

- Removed and replaced faulty defrost motor switch P/N E51-50B. Reconnected the wiring and saftied switch arm. Checked and found to operate satisfactorily.
- The left wing tank fuel outlet port gasket was leaking. Drained the left wing tank. Removed fuel outlet port assembly. Cleaned old material from port assembly. Installed new gasket P/N 610261-001 using CS330 B2 sealant. Reinstalled outlet port, reconnected rubber hose and filled fuel tank. Leak checked with none noted at this time.
- Removed and replaced the left wing fuel drain P/N F391-53S.
- Adjusted right nose steering stop to provide proper clearance as prescribed in the M20J Service Manual.
- Retorqued the nose steering pilot bolt in accordance with the Mooney M20J Service Manual.
- Found the hardware loose on the right flap at the inboard rod end. Retorqued the hardware and installed a new cotter pin. Reinstalled the fairing, checked and flap operation and found satisfactory.
- The vacuum gauge is reading very low. Gained access to the regulator and set up the test system to adjust the regulator. Adjusted and retested until the proper vacuum was achieved and recorded on the gauge.
- Retorqued the hardware for both control yokes to remove play at the pivot bolts.
- Tightened the attach pivot points at the control yokes and saftied with new cotter pins.
- Removed and replaced the loran active lamp P/N W1-7049. Checked operations, found satisfactory.
- Performed a 500-hour inspection and service of the flap actuator. Gained access to and removed the electric flap actuator gearbox. Partially disassembled, cleaned and inspected visually for defects. Re-lubricated the shaft and ball screw with MIL-G-81322 grease in accordance with chapter 5 of the service manual. Reassembled and installed the actuator in accordance with chapter 27-50-00. Verified proper flap rigging and operation. Next inspection due in 500 hours.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work ord listed.

East Coast Av

Date: 9-7-01

Work Order # 1082

Tach. or Hobbs Time: 722.9 Aircraft Total Time: 722.9  
 Signature: Joseph G. Gardner

East Coast Aviation  
 Hanscom AFB-Hangar 1730  
 Bedford, MA 01731


Date: 10/29/02	Acft Tail Number: N885J	Acft Model: M20J	Acft S/N: 24-3192	Work Order #: 11849	Hobbs/Tach Time: 793.1
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Removed the KN64 DME, s/n 20957 and sent to Griffin Avionics, Inc. for repair. Received, inspected and installed the KN64 on return from Griffin and tested with no faults noted.

Signature   
 Work Order # 11849 Date: 10/29/02

East Coast Aviation  
 Hanscom AFB-Hangar 1730  
 Bedford, MA 01731  
 FAA Certified Repair Station EA6R508N  
 Phone 781-274-0105 Fax 781-274-0714



- Performed an Annual Inspection of the aircraft in accordance with inspection checklist contained in the Mooney Aircraft M20J service manual.
- Accessed and recorded all model numbers, part numbers and serial numbers of the aircraft, engine, propeller and accessories. Perform a computerized research of all potential Airworthiness Directives against these items thru bi - weekly issue #2002-18.
- Complied with FAR 91.207 (d) by removing the ELT unit from the aircraft and disassembled. Inspected for corrosion and other defects and none were noted. Replaced the batteries with a new expiration date of 6/03. Tested the "G" switch and noted proper operation. Reinstalled the ELT unit and performed an operational test which was satisfactory.
- Jacked the aircraft. Remove all 3 wheels. Removed, cleaned and inspected the wheel bearings for defects, wear, etc., none noted. Re-packed the wheel bearings with Aeroshell No. 5 grease. Disassembled each wheel assembly. Cleaned each wheel assembly and checked for wear, cracks and general condition, no discrepancies were noted. Reassembled each wheel assembly replacing any serviceable hardware as required. Reinstalled each wheel to the respective axle and set the wheel bearings drag. Saftied each nut using a new cotter pin.
- Thoroughly cleaned the landing gear using a grease soluble solvent under pressure. Used a bristle brush where necessary to remove stubborn deposits. Dried the landing gear using compressed air and shop wipes as required. Lubricated the landing gear in accordance with the lubrication guide contained in the Mooney Aircraft M20J service manual.
- Lubricated the aircraft in accordance with the lubrication guide contained in the Mooney aircraft M20J service manual.
- Accessed and removed the aircraft battery. Removed the cell vent caps, serviced with distilled water. Placed the

battery on charger for the period of time required to obtain acceptable specific gravity readings. Reinstalled the cell vent caps and flushed the battery exterior with fresh water. Cleaned the battery box and surrounding area with acid neutralizer. Cleaned the battery cable terminal ends as required. Reinstalled the battery and secured the battery cable terminal ends. Secured the battery installation as required.

- Removed and replaced the vacuum regulator filter and the gyro central air filter with new units listed below. Performed an operational check of the primary vacuum system utilizing the electric stand-by vacuum pump and noted proper operation.
- Removed each fuel cap. Disassembled and inspected. Carefully cleaned the shaft of the locking tab. Removed and replaced both O - rings. Reassembled using a new cotter pin to safety. Installed the fuel caps and set the fuel cap lever tension.
- Placed the fuel selector valve in the "off" position. Removed the fuel filter bowl, removed the fuel filter and inspected for contaminants, none were noted. Cleaned the filter and reinstalled. Installed the fuel filter bowl using new o-rings. Pressurized the fuel system to check for leaks and none were noted.
- Complied with Allied Signal Inspection Bulletin 343 in accordance with the associated instructions. Removed the Trim Carrier bearing, cleaned and inspected, no defects were noted. Re greased using MIL-G-23827 grease and reassembled the Trim Carrier bearing. Performed an operational check of the manual and electric trim system and noted smooth and satisfactory operation.
- Removed right wing flap attach fairing and rod end bearings. Removed and replaced rod end bearings p/n's M34-14MPB, MW-3M-8 and hardware. Checked flap travel and found within limits. Reinstalled fairing.
- Removed pilot seat height adjustment mechanism roll pins and removed seat height adjustment crank handle and bearing retaining collar. Added a shim to bearing/washer stack-up. Reinstalled collar and handle with new roll pins p/n RPA52-028-125-1000.
- Removed and replaced all landing gear shock discs p/n J11968-14 in accordance with the Mooney M20J Service Manual, Chapter 32.

- ➔ Removed and replaced nose gear steering system rod ends p/n's MM-3M-21, MW-3M-8. Ensured new rod end assembly was same length as one removed.
- ➔ Removed old nose landing gear door rod end assembly. Assembled new rod ends to proper length. Primed and painted rod end assembly. Installed new rod end assembly p/n MW-3M-19. Cycled gear to check clearances and found satisfactory. Operational check was satisfactory.
- ➔ Disconnected Cannon plug and turned fuel selector off. Removed electric fuel boost pump p/n A8163-B, s/n 11385 and installed hardware from old pump to a new pump using new seals and o-rings. Installed new electric fuel boost pump p/n A8163-B, s/n 1002903 on aircraft, connected Cannon plug and operationally tested with satisfactory results.
- ➔ Removed and replaced vacuum warning switch p/n 800383-681 and adjusted in accordance with the M20J Service Manual, Chapter 37. Tested with no faults noted.
- ➔ Removed and replaced stall warning sonalert p/n SC628. Operationally tested with satisfactory results.
- ➔ Removed and replaced ADF indicator dimmer wire and inspected; found O.K. Removed the center radio stack. Inspected Loran dimmer wire and found evidence of charring and shorting. Replaced wire and inspected remainder of harness; found satisfactory. Reassembled racks and reinstalled. Operationally tested with satisfactory results.
- ➔ Drilled out broken right hand aileron static wick base and riveted on a new static wick base p/n 10-900-85; primed and painted. Installed new wick p/n 10-900-59/1.
- ➔ Performed a static system leak check as required by FAR part 91.411, par. A (2&3) in accordance with FAR 43, appendix E, par A, with no leaks noted.
- ➔ Performed a complete Avionics system checkout. Tested both Coms, Navs, glideslope, ADF, DME, auto-pilot and transponder as required by FAR part 91.413, par. B in accordance with FAR part 43, appendix E, par. C, with no faults noted.

END

50%	10000	0025	+25	±75
40%	8015	8040	+25	±75

Calibrator	1120	420	0	
A.C. DIFFERENCE			5	±10

I certify that the altimeter M/N 5913473

20000 feet on 12/6/03 and the static system tests required by FAR 91.411 have been satisfactorily performed.

Date 12/6/03

Work Order # 12711

Tach. or Hobbs. Time: 850.4

Name, Rating and Certificate Number of Technician or Repairer specific entries.)

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Date: 10/1/2003

Tach: 836.8

Removed & replaced LH outboard cowl flap hinge, cowl flaps ops check good.

The aircraft or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found airworthy and approved for R.T.S.

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

W/O #: 000856

Date: 10/12/03

Signed: T. May Todd I May

Authorized Inspector for Oxford Aviation, Inc.  
75 Number Six Road, PO Box 990, Oxford, ME 04270  
FAA Approved Repair Station #OACR 582 S

75 Number Six Road, PO Box 990, Oxford, ME 04270  
FAA Approved Repair Station #OACR 582 S

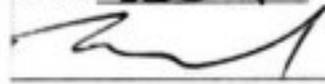
Transponder Tests required by FAR satisfactorily performed.

A  
3

S/N 78004

Work Order # 12711

Time: 850.4



East Coast Aviation  
Hanscom AFB-Hangar 1730  
Bedford, MA 01730

FAA Certified Repair Station EA6R508N

14-0105

Fax 781-274-0714



- Performed an Annual Inspection of the aircraft in accordance with inspection checklist contained in the Mooney Aircraft M20J service manual.
- Accessed and recorded all model numbers, part numbers and serial numbers of the aircraft, engine, propeller and accessories. Perform a computerized research of all potential Airworthiness Directives against these items thru bi-weekly issue #2003-20.
- Complied with FAR 91.207 (d) by removing the ELT unit from the aircraft and disassembled. Inspected for corrosion and other defects and none were noted. Replaced the batteries with a new expiration date of 11/05. Tested the "G" switch and noted proper operation. Reinstalled the ELT unit and performed an operational test which was satisfactory.
- Jacked the aircraft. Remove all 3 wheels. Removed, cleaned and inspected the wheel bearings for defects, wear, etc., none noted. Re-packed the wheel bearings with Aeroshell No. 5 grease. Disassembled each wheel assembly. Cleaned each wheel assembly and checked for wear, cracks and general condition, no discrepancies were noted. Reassembled each wheel assembly replacing any serviceable hardware as required. Reinstalled each wheel to the respective axle and set the wheel bearings drag. Saftied each nut using a new cotter pin.
- Thoroughly cleaned the landing gear using a grease soluble solvent under pressure. Used a bristle brush where necessary to remove stubborn deposits. Dried the landing gear using compressed air and shop wipes as required. Lubricated the landing gear in accordance with the lubrication guide contained in the Mooney Aircraft M20J service manual.
- Lubricated the aircraft in accordance with the lubrication guide contained in the Mooney aircraft M20J service manual.
- Accessed and removed the aircraft battery. Removed the cell vent caps, serviced with distilled water. Placed the

battery on charger for the period of time required to obtain acceptable specific gravity readings. Reinstalled the cell vent caps and flushed the battery exterior with fresh water. Cleaned the battery box and surrounding area with acid neutralizer. Cleaned the battery cable terminal ends as required. Reinstalled the battery and secured the battery cable terminal ends. Secured the battery installation as required.

→ Removed and replaced the vacuum regulator filter and the gyro central air filter with new units. Also, replaced the vacuum pump inlet filter. Performed an operational check of the primary vacuum system and noted proper operation.

→ Removed each fuel cap. Disassembled and inspected. Carefully cleaned the shaft of the locking tab. Removed and replaced both O – rings. Reassembled using a new cotter pin to safety. Installed the fuel caps and set the fuel cap lever tension.

→ Placed the fuel selector valve in the "off" position. Removed the fuel filter bowl, removed the fuel filter and inspected for contaminants, none were noted. Cleaned the filter and reinstalled. Installed the fuel filter bowl using new o-rings. Pressurized the fuel system to check for leaks and none were noted.

→ Complied with Allied Signal Inspection Bulletin 343 in accordance with the associated instructions. Removed the Trim Carrier bearing, cleaned and inspected, no defects were noted. Re greased using MIL-G-23827 grease and reassembled the Trim Carrier bearing. Performed an operational check of the manual and electric trim system and noted smooth and satisfactory operation.

→ Removed and replaced the left inboard landing gear door bracket p/n 550085-501. Shimmed the inboard gear door bolts to properly fit the door to the wing skin with the gear retracted.

→ Bled the left brake to assure brake fluid in caliper was not congealing. Topped off hydraulic reservoir and noted satisfactory brake operation.

→ Adjusted trailing edge of left and right wing to reduce further chafing in areas where the flap leading edge contacts the wing in the full up position.

→ Loosened both jamb nuts on the right aileron S-tube and centered the tube. Checked travels with no change noted.

- Secured jamb nuts to proper torque.
- Ground off the cherry rivet heads from a series of working rivets on outboard lap joint on both wings. Drilled out the remaining rivet bodies, cleaned the holes and installed ten new rivets on the right wing and eight new rivets on the left wing (wing station 147.75). All the new rivets were installed "wet", using hysol adhesive. Painted rivets to match aircraft.
- Removed nose wheel firewall cover and steering control rod for the nose gear assembly. Removed the steering horn and shimmed inside with .025 shims; reinstalled steering horn and shimmed outer with .035 and .016 shims. Secured steering horn collar with new AN23-19A bolt. Re-secured steering horn with new cotter pin. Reinstalled firewall cover and lubricated steering horn assembly. Reinstalled steering control rod and cleaned gear.
- Removed aft elevator and rudder bellcrank assemblies. Using a lubricating penetrant, freed up the bearings from the bellcranks and removed the bearings. Inspected the bellcranks for cracks or damage with none noted. Installed new bearings, p/n B-47 into the bellcranks and reinstalled the bellcranks to the aircraft. Checked the rigging of the elevator and rudder with no discrepancies noted.
- Removed all the hoses from the avionics cooling fan housing, removed the outer fan cover and fan. Cleaned dirt from the fan and reinstalled fan and adjusted fan depth to remove vibration. Reinstalled outer fan case cover and instrument hoses to fan case. Operationally tested with satisfactory results.
- Complied with SI M20-209 by retorquing the nose gear center bolt. Removed old cotter pin and loosened center bolt nut on the nose gear. Retorqued the bolt to 300 inch pounds and Saftied with a new cotter pin. Compliance again due at next Annual/100 Hour Inspection in accordance with the instructions provided in SI M20-109.
- Found the bulb was faulty in the right wing strobe. Replaced with a new bulb p/n A610 and operationally tested with satisfactory results.
- Removed damaged landing gear switch and installed new switch, p/n 8906K2875. Reconnected wires and operationally tested with satisfactory results.

END



Date: 2/ 7/2005, Aircraft: N885J, S/N: 24-3192, Hobbs: 870.6, Total Time: 870.6 Shop Order # 9678

- \*Performed an Annual Inspection of the aircraft in accordance with the inspection checklist contained in M20J Maintenance Manual.
- \*Performed a computerized research of all potential Airworthiness Directives (AD's) through bi-weekly issue # 2005/01.
- \*Complied with FAR 91.207 (d) ELT Check by inspection. ELT battery due 11/05.
- \*Cleaned and repacked wheel bearings with Aeroshell #5 grease.
- \*Cleaned the landing gear using a grease soluble solvent under pressure.
- \*Lubricated the aircraft in accordance with the lubrication guide contained in the M20J Maintenance manual.
- \*Cleaned & inspected fuel filter bowl & fuel filter. Pressurized the fuel system to check for leaks and none were noted.
- \*Serviced aircraft batteries & cleaned the battery boxes.
- \*Removed & replaced vacuum regulator filter, gyro central air filter & vacuum inlet filter.
- \*Removed, cleaned, inspected & reinstalled fuel caps with new o-rings.
- \*C/W SB 343 (Trim Bearing) by inspection.
- \*Polished out chafes and scratches from left and right tail to fuselage hinge fairings. Applied anti-chafe tape to the inside of fairings to prevent further chaffing.
- \*Installed and secured new seat stop bolts and spacers.
- \*Restacked washers on the pilot's & copilot's seat height adjust crank to remove the play and secured with new roll pins. Retorqued the seat carriage pivot bolts and saftied.
- \*Removed & replaced both nose landing gear steering placards.
- \*Installed 'No Step' placard on left wing area between the flap and the wing walk. \*Removed & replaced right nose landing gear door hinge p/n 550032-008. Operationally tested with satisfactory results.
- \*Removed & replaced clevis pin p/n MS20392-1C17. Operationally tested with satisfactory results.
- \*Removed sunvisor and retorqued the swivel. Reinstalled the sunvisor. Operationally tested with satisfactory results.
- \*Removed the right outboard fuel sending unit from the aircraft. Sealed with CS3330L and allowed it to cure. Leak checked with satisfactory results. Reinstalled the riveted inspection panel.
- \*Masked off the right wingtip aft corner on the bottom by the aft nav light and sanded down to the fibers. Mixed polyester resin and filled in the fibers. Sanded smooth. Primed area with sandable primer and wet sanded smooth. Painted with Mooney Really White Paint.

# AIRCRAFT MAINTENANCE LOG

Pro Star Aviation, LLC.  
 Manchester Airport  
 5 Industrial Drive  
 Londonderry, NH 03053  
 Repair Station P6UR006Y

Date 03/24/06	W/O 20623	HOBBS 903.5	LANDINGS N/A	Model M20J	S/N 24-3192	N885J
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Removed a Shadin Miniflo-L p/n 912081 and installed a Shadin Miniflo-L p/n 9120417-D in accordance with Shadin Company Inc STC SA676GL and Shadin Company Report No. 4059 dated 12/2/88. Unit is interfaced with a Garmin GNS530 GPS/Nav/Com and the existing fuel flow transducer previously installed. Unit is circuit protected through a resettable circuit breaker on the main 28VDC buss. For further information refer to FAA Form 337 dated 03/24/06 and the aircraft supplemental equipment list dated 03/24/06.

The aircraft equipment list has been updated to reflect these changes.  
 There was no change in the aircraft weight and balance.

REMOVED EQUIPMENT			INSTALLED EQUIPMENT		
DESCRIPTION	PART NUMBER	SERIAL NUMBER	DESCRIPTION	PART NUMBER	SERIAL NUMBER
Shadin Fuel Flow Indicator	912081	1108	Shadin Fuel Flow Indicator	9120417-D	10461

The aircraft, airframe or appliance identified above was maintained and/or altered and inspected in accordance with current Regulations of the FAA and is approved for return to service. Pertinent details of work performed are retained in the above Pro Star Aviation, LLC. work order number 20623.

Signed

FOR PRO STAR AVIATION, LLC CRS# P6UR006Y

Date

3/23/06

P R O • S T A R



A V I A T I O N

# AIRCRAFT MAINTENANCE LOG

Pro Star Aviation, LLC.  
Manchester Airport  
5 Industrial Drive  
Londonderry, NH 03053  
Repair Station P6UR006Y

Page 1 of 1

Date 9/7/07

W/O 20743

HOBBS 974.1

LANDINGS N/A

Model M20R

S/N 24-3192

N885J

Removed a Garmin GNS-530 GPS/Nav/Com unit.

Installed a Garmin GNS-530W WAAS GPS/Nav/Com. The installation of the Garmin GNS-530W WAAS GPS/Nav/Com was accomplished in accordance with Garmin STC SA01933LA, Approved Model List SA01933LA dated 11/6/06, Master Data List 005-C0221-01 Rev A, dated 10/31/06 and FAA Approved Garmin STC Upgrade Installation Manual, p/n 190-00357-06 revision B, dated 01/06. For Instructions for continued airworthiness refer to Garmin GNS-530W Instructions for Continued Airworthiness, p/n 190-00357-65 revision A, dated 11/03/06. For further information refer to FAA form 337 dated 9/7/07, the aircraft supplemental equipment list dated 9/7/07 and the aircraft computed weight and balance document dated 9/7/07.

## REMOVED EQUIPMENT

## INSTALLED EQUIPMENT

DESCRIPTION	PART NUMBER	SERIAL NUMBER	DESCRIPTION	PART NUMBER	SERIAL NUMBER
GNS 530	011-00550-00	78415211	GNS-530W	010-00416-40	78415211
GA-56 ANTENNA	011-00134-00	59415462	GA-35 ANTENNA	013-00235-00	23013

The aircraft, airframe or appliance identified above was maintained and/or altered and inspected in accordance with current Regulations of the FAA and is approved for return to service. Pertinent details of work performed are retained in the above Pro Star Aviation, LLC. Work order number 20743.

Signed

Date

9/7/07

Eric Niquette

FOR PRO STAR AVIATION, LLC CRS# P6UR006Y

YEAR:

Date: 08/11/10

DATE

N 885 J

Fach or

Hobbs: 1002.8

#1 Alt Model 5939PA-1 s/n 1G824

#2 Alt Model N/A s/n N/A

#1 XPDR Model KT76A s/n 78004

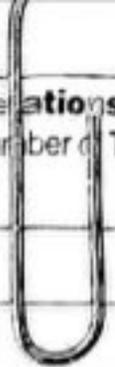
#2 XPDR Model N/A s/n N/A

#1 Enc Model SSD120-30 s/n 45133

#2 Enc Model N/A s/n N/A

Iterations

Number of Technician or Repair



The above listed XPNDR(S) & ENC (S) were tested and inspected as per FAR 91.413 and found to comply with appendix F and E paragraph C of part 43, to include Altitude reporting.

The static pressure system and above listed Alt (S) have been tested and inspected in accordance of and found to comply with FAR 91.411

Next certification is due before 09/01/10



Concord, NH Municipal Airport  
83 Airport Road, PO Box 965  
Concord, NH 03302  
(603) 225-8994

Jeff Dusseault  
Inspector  
Repair station # RS5R182N

FALCON AIR INC.  
NORTH ANDOVER, MA 01845

**AIRFRAME LOG**

Date: 4/1/2017 HRS: 1003.0 ACTT: 1003.0 REG NO: N885J AIRCRAFT: MOONEY M20J SERIAL NUMBER: 24-3192  
THE FOLLOWING WORK WAS ACCOMPLISHED AT THIS INSPECTION: AN IFR CERTIFICATION WAS ACCOMPLISHED. SEE RELEASE DATED  
AUG 11, 2016 CRAIG AVIONICS FOR DETAILS. REINSTALL KI256 HORIZON AFTER OVERHAUL. SEE RELEASE DATED 2/15/2017  
WORK ORDER NUMBER SH17-30934 AUTO PILOTS CENTRAL. THE AIRCRAFT BATTERY WAS REPLACED WITH NEW, CW FAR 91-  
207D ELT TRANSMITTER AND FOUND TO BE SATISFACTORY, BATTERY REPLACED. NEXT DUE 5/2022. ALL WHEELS REMOVED,  
ALL TIRES REPLACED WITH NEW, INSTALLED WHEELS AIRED TIRES TO SPEC. BEARINGS SERVICED, REPLACE BRAKE PADS WITH  
NEW, CALIPERS REMOVED AND OVERHAULED. THE BRAKE SYSTEM WAS FLUSHED AND BLED. CLEANED LUBED ALL MLG AND  
NLG FITTINGS THE LANDING GEAR SYSTEM WAS CYCLED THROUGH SEVERAL FAULT FREE CYCLES, ALL LIGHTS, HORN,  
POSITIONS, WERE FOUND SATISFACTORY, THE EMERGENCY SYSTEM WAS CYCLED AND FOUND TO BE SATISFACTORY. ALL  
EXTERNAL LIGHTS WERE CHECKED AND FOUND SATISFACTORY. THE AIRCRAFT FUEL SYSTEM WAS DRAINED. EACH WING WAS  
FLUSHED WITH FIVE GALLONS OF FRESH FUEL. BOTH FUEL DRAINS WERE REPLACE WITH NEW. THE TANKS WERE TOPPED OFF.  
SERVICED MAIN FUEL BOWL, CHECKED FUEL VENTS, CAPS, SUMPED ALL FUEL DRAINS, NO CONTAMINANTS NOTED. LUBED ALL  
HINGES, ROD ENDS, ACTUATORS, BELL CRANKS, CHAINS, PIVOT POINTS AS REQUIRED. VISUALLY CHECKED ALL WING, CONTROL  
SURFACES. REPLACED ALL VACUUM FILTERS. ADS THRU BI-WK 2017-03 REVIEWED. NONE APPLICABLE AT THIS TIME, SEE  
LISTING AIRCRAFT MAINTENANCE RECORDS. AIRCRAFT FLOWN ONE HOUR WITH NO DISCREPANCIES NOTED.

I HAVE INSPECTED THIS AIRCRAFT IAW AN ANNUAL INSPECTION AND DETERMINED IT IS IN AN AIRWORTHY CONDITION AND IS  
APPROVED FOR RETURN TO SERVICE.

MARK SCOTT



A&P 10528245 I.A.





YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Ent Fi
				August 29, 2017      N885J                      Mooney M20J Serial # 24-3192
				This date completed strip and reseal both wing fuel tanks including all sections Work consisted of evaluation of sealant; removal of all interior tank components; strip tanks and access panels; cleaning and degreasing areas to be sealed. Visual structural inspection; apply adhesion promoter, PRC-148; seal tanks and access panels with PRC 1422-A/2, B2 and PRC 1422A/2 touch up; apply sealant protection overcoat, PRC 1005; replace right and left fuel drain ,4fuel gasket ,00 nut plates and 304 screws close and re-seal panels with PRC-1422-B2. Pressure test to 1 psi maximum; comply with Mooney SB M20-250A (AD85-24-03). Performed work I.A.W. manufacturers specification at Wet-Wingologists east, 1805 N W 51 Place Hangar # 1, Ft. Lauderdale Fl 33309-----END-----
				* Bruce & Marley ADP 378 94 79





YEAR: 2018 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/10	10527		1052.7	Jack aircraft and remove inspection panels per mooney m20S SMM for annual inspection. Service, lube and grease per SMM, Test gear down lock pre-loads. Inspect wheels & bearings and set bearing pre-load Install 23 new Camlock S-2 fasteners on aft fuselage access panel. Cleaned contacts on fuel flow transducer connection Inspect per mooney inspection guide → kma AP 3118643







YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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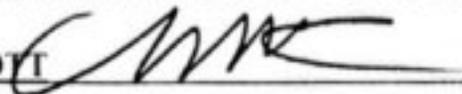
**FALCON AIR INC.**  
**LWM AIRPORT**  
**NORTH ANDOVER, MA 01845**  
**AIRCRAFT LOG**

DATE: 6/1/06 TACH: 921 REG NO: N885J AIRCRAFT: MOONEY 201 SIERAL:24-3192  
 TOTAL: 921 T.S.NEW: SEE LOG

AIRCRAFT OPENED, INSPECTED AND LUBRICATED I/A/W AN ANNUAL INSPECTION  
 ALL LIGHTS WORKING, E.L.T. TESTED I/A/W 91.207D BATTERY DUE 05-08  
 SERVICED BATTERY, BRAKES, TIRES, STRUTS AS REQUIRED.ELT BATTERY REPLACED  
 INSTALL J.P.I ENGINE MONITOR SEE 337 FOR DETAILS, REPLACE ALL BRAKE PADS  
 C/W MSB M20-252 GROSS WEIGHT INCREASE SEE 337 FOR DETAILS  
 ALL A.D,S C/W SEE LISTING

I CERTIFY I HAVE INSPECTED THIS AIRCRAFT I/A/W AN ANNUAL INSPECTION AND WAS FOUND IN  
 AIRWORTHY CONDITION AND RETURNED TO SERVICE

MARK SCOTT



A & P 10528245 LA.

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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## Twin Lakes Avionics

**Date:** 03-07-2019 **Model:** Mooney M20J **S/N:** 24-3192 **N#** 885J **W/O#** 11674 **Tach:** 1077.9 **Hobs:** 1075  
 Replaced King KT 76 transponder PN: 066-1062-00 with Garmin GTX 345 transponder PN: 011-03302-00 SN: 3EG026047  
 using existing antennas, altitude encoder, and Garmin GNS 530W GPS receiver.

Referenced 337, dated: 3-7-2019. Weight and Balance negligible.

The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227.

Performed the Altimeter, Transponder and static system tests required By FAR 91.411 and 91.413

Transponder Make: Garmin, Model: GTX 345, SN: 3EG026047

Pilots altimeter Make: United, SN: 1G824 tested to 20,000 ft. on 3/7/2019.

Static system and altitude reporting tested on 3/7/2019 to 20,000 ft.

The aircraft, airframe, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this repair station

**Twin Lakes Avionics, CRS: JB4R278M Inspected** *Paul Nye*


YEAR: 2020 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-24	1094.3			Adjust Flowscan / Standard K-Factor To 2979 per pub #0891204E Rev A p-23,24 Minilo-L ops manual. ZL M AP 3118/43
5-20	1104.07			CW AD 85-24-03 SB m 20-229 due @ 1204.9 CW AP 76-07-12 switch test due @ 1204.9 ZL M AP 3118/43







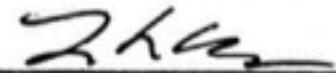


YEAR:	RECORDING TACH TIME
DATE	

**N885J 05/17/2022 HOBBS: 1203.5 TT: 1203.5 AIRFRAME**

ACR ELECTRONICS, Inc.  
Fort Lauderdale, FL 33312 CAGE Code: 18560  
ARTEX PRODUCTS  
**BATTERY PACK: ELT 110-4**  
PART NO: 452-0130 REV. R  
S.N.:393099-004  
EXP. DATE: Dec /2024  
ENW CATC1A/DO183/XXXXXXXX8888 TSO C91a

1. Performed Annual Inspection IAW FAR 43 App. D and Mooney M20J SMM 123 Inspection Checklist.
2. Jack aircraft, remove inspection panels, grease, lube, and service per M20J SMM.
3. Test landing gear system, emergency extension and down-lock preloads. N=130 in/lbs. M=280 in/lbs.
4. C/W SB M20-229 Fuel cap O-Ring replacement and inspection Per AD 85-24-03.
5. Inspect and clean fuel screen(s).
6. I Certify that this **Aircraft** has been inspected IAW an Annual Inspection and was determined to be In Airworthy Condition. See AD Report dated 05/17/2022.
7. **Notes:** ELT Inspected IAW FAR 91.207(d)

Lynn R Mace AP 3118643 IA  05/17/2022  
AGL Aviation Services LLC

ician or Re

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date: June 4, 2023 Reg. No: N885J AC S/N: 24-3192 Make: Mooney Model: M20J Tach: 1280.8

Performed Annual inspection IRT Mooney M20J AMM inspection checklist, FAR 43 Appendix D & all other applicable airworthiness data. Lubricated flight controls & cleaned flight control surfaces. Inspected ELT in accordance with FAR 91.207(d), next due: July 2024. ELT Battery due replacement DEC 2024. Removed, inspected, cleaned & reinstalled all fuel injectors, FI finger screen & fuel strainer screen. Reinstalled fuel strainer with new O-ring seals PN: M83248/1-137 & PN: MS29512-05 . Jacked AC performed gear retraction and emergency extension inspection IAW Mooney AMM no defects noted. Gear pre load tensions as follows Nose – 130 InLbs Mains 220 InLbs. Removed cleaned, inspected, repacked wheel bearings w/Mobil 28. Installed new Tubes PN: GL-6020B and Tires PN: 606C61B1 on both mains. Installed new Aft rudder control rod PN: 915007-001. Installed new cowl flap ball joints PN: A29104. Installed new static wick PN: DD-1W LH Aileron inboard position. Cleaned FOD from oil cooler fins. Installed new gasket on Cyl #3 intake rocker shaft plate PN: 66732

A.D.'s checked bi-weekly through 2023-12

C/W A.D. 85-24-03 S.B. M20-229 By inspection of fuel cap O-rings and fuel tank bays, No defects noted Due next ACTT:1380.8

I certify this aircraft has been inspected IAW an annual inspection and was found to be in an airworthy condition and is approved for return to service.

Christopher A. Johnson



A&P 3794542 IA


YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See book pages for other specific instructions)
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RO:	1397		WO:	WO1893
Registration:	N885J		Tach:	1281.7
Model No.	M20J		ACTT:	1281.7
Serial No.	24-3192		Date:	12/19/2025

**Airframe Log Entry**

Performed annual inspection in accordance with Mooney International Annual Maintenance Inspection Guide revised Aug 2018  
 Opened inspection panels and reinstalled. Complied with inspection manual inspection guide.  
 Performed and complied with airworthiness directives search through 7/19/2025  
 C/W the following F.A.R.s  
 FAR 91.207(c) battery due 11/2031  
 Ops checked ELT IAW FAR 91.207(d) ops check normal.

C/W the following due A.D.s.  
 2024-21-02 Prevent connecting rod failure, effective date 12/5/2024 No defects noted

Ops checked all lights, stall warning, and pitot heat, ops checked normal with no defects noted at this time. Replaced the bracket air filter with new filter element P/N: BA-6205. Inspected and lubed all flight control systems. Inspected brakes, tire and bearings. Ops checked ok. Removed fuel sending units from wing and inboard to reseal tanks and replace gaskets PN MCS1588-1.replaced gascolator o-ring with PN 610015-900, replaced fuel servo orings PN953541-10 PN 951789. Installed inspection panels P/N 930026-001A with new rivets P/N 1604-0412.

Continued....

Elliott Werner A&P A&P 2225960 IA Date:12/19/2025 Signature: 

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

Continued...

Installed 3 customer supplied static hose line for speed brakes. Drainer reading was 2,028 RPM at .57 IPS; existing weights, new reading indicates 2205 RPM at .02 lps at 314 Degrees. Total weight added was 35 lbs. All have been dynamically balanced. Hobbs and tach removed at 1281.7 hours. Instrument panel showing time of 1281.7 hours.

Assisting A&P Billy Crossland 3657057  
 Assisting A&P Jesse Morse 4872512  
 Assisting maintenance techs Marco Lozoya, and Christopher Gutierrez

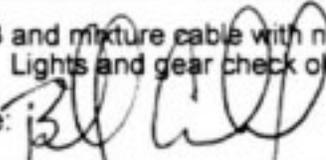
I certify that this airframe has been inspected IAW an Annual inspection and was determined to be in airworthy condition at this time.

Elliott Werner A&P A&P 2225960 IA Date: 12/19/2025 Signature: 

RO:	1595		WO:	WO2258
Registration:	N885J		Tach:	1285.70
Model No.	M20J		ACTT:	1285.70
Serial No.	24-3192		Date:	02/20/2026

**Airframe Log Entry**

Replaced Propeller governor cable with new P/N 660226-003 and mixture cable with new P/N 660226-005. Ops check ok. Conducted landing gear swing. Lights and gear check ok.

Billy Crossland A&P 3657057 Date: 2/23/26 Signature: 

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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# AIR ONE SYSTEMS

Where Quality Surpasses Your Expectations

Make: MOONEY Model: M20J Serial Number: 24-3192 Registration: N885J

Date: 2/26/2026 Total Time: \_\_\_\_\_ Hobbs Time: 1285.7 Work Order: 9512

REMOVED THE FOLLOWING AVIONICS: KMA-24 AUDIO PANEL, GNS 530W NAV/COM/GPS, KX 165 NAV/COM, KR-87 ADF RECEIVER, KN 64 DME, KT-76 TRANSPONDER, NAT AA80 INTERCOMM, GDL 69 XM RECEIVER, KI-209 NAV INDICATOR, SSD 120 ENCODER, SKYWATCH TCR 497 R/T, STORMSCOPE WX-1000 RECEIVER, WX-1000 DISPLAY, KI-227 ADF INDICATOR AND ALL ASSOCIATED WIRING. SKYWATCH ANTENNA AND GDL 69 ANTENNA NOT REMOVED AT THIS TIME. REMOVED JPI EDM-800 SYSTEM AND SHADIN MINI-FLO SYSTEM AND ALL ASSOCIATED WIRING. REMOVED KCS-55A SYSTEM CONSISTING OF KI-525A HSI, KG 102A GYRO, KMT 112 MAGNETOMETER, KA-51B SLAVING ACCESSORY AND ALL ASSOCIATED WIRING. REMOVED KFC 150 AUTOPILOT SYSTEM CONSISTING OF KFC-150 COMPUTER, ROLL SERVO, PITCH SERVO, PITCH TRIM SERVO, KI-256 FLIGHT DIRECTOR, AND ALL ASSOCIATED BRACKETS AND WIRING. REMOVED ARTEX ELT-110 AND ANTENNA. REMOVED ALTIMETER, AIRSPEED INDICATOR, T/C, VSI, AND ALL ASSOCIATED HOSES. REMOVED MOONEY ENGINE GAUGE CLUSTER, ALL OTHER ADDITIONAL ENGINE INSTRUMENTS AND ASSOCIATED WIRING, SENSORS. REMOVED WHELEN STROBE LIGHT SYSTEM, ORIGINAL NAV LIGHTS, TAIL BEACON, TAXI AND LANDING LIGHTS. REFERENCE WOW 9512 FOR ALL PERTAINING PART NUMBERS AND SERIAL NUMBERS. INSTALLED NEW GARMIN G3X SYSTEM CONSISTING OF GDU-460 PFD/MFD PN 011-02920-05 SN 7Y9102773, GSU-25 ADHRS PN 011-02929-56 SN 5Q3101535, GMU-11 MAGNETOMETER PN 011-04349-01 SN 56J118503, GTP-59 OAT PN 011-00978-00 SN 4798823, GAD-29D CONVERTER PN 011-03236-21 SN 6V9501841, AND GEA 24B ENGINE INTERFACE PN 011-05991-01 SN 7NM001502. NEW GARMIN 4 CYL. PROBE KIT PN K00-01301-10 AND ALL OTHER NECESSARY SENSORS INSTALLED BY OUTSIDE FACILITY. ALL NEW CIES FUEL SENDERS INSTALLED BY OUTSIDE FACILITY. INSTALLATION OF G3X SYSTEM DONE IAW GARMIN STC SA01899W1 USING GARMIN PART 23 AML STC

page 1 of 3

OECR893K

David Espinosa

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



# AIR ONE SYSTEMS

Where Quality Surpasses Your Expectations

Make: MOONEY Model: M20J Serial Number: 24-3192 Registration: N885J

Date: 2/26/2026 Total Time \_\_\_\_\_ Hobbs Time: 1285.7 Work Order: 9512

INSTALLATION MANUAL PN 190-02472-01 REV 17. AFMS PN 190-01754-01 REV 6 AND ICA'S PN 190-02472-02 REV 10 CREATED AND GIVEN TO OWNER/CUSTOMER THIS DATE. FORM 337 COMPLETED. INSTALLED NEW GARMIN GFC-500 AUTOPILOT SYSTEM CONSISTING OF GMC 507 CONTROLLER PN 011-04548-01 SN 5H1100608, GSA 28 ROLL SERVO PN 011-02927-21 SN 6N2015469, GSA 28 PITCH SERVO PN 011-02927-21 SN 6N2015374, GSA 28 PITCH TRIM SERVO PN 011-02927-21 SN 6N2015370, GSA 28 YAW SERVO PN 011-02927-21 SN 6N2015379. INSTALLATION DONE IAW GARMIN STC# SA01866WI USING GARMIN GFC 500 AUTOPILOT WITH ESP PART 23 AML STC INSTALLATION MANUAL PN 190-02291-00 REV 28, GFC INSTALL MANUAL ADDENDUM FOR MOONEY M 20J/M20K PN 190-02291-19 REV 11, AND GFC 500 GAIN ADDENDUM FOR MOONEY M20J/M20K DOC. #005-01470-19 REV 6. AFMS PN 190-02291-20 REV 7 AND ICA'S PN 190-02291-01 REV 13 CREATED AND GIVEN TO OWNER/CUSTOMER THIS DATE. FORM 337 COMPLETED THIS DATE. NEW GARMIN GMA 345 AUDIO PANEL PN 011-03520-00 SN 3Z0015838 INSTALLED USING GARMIN INSTALLATION MANUAL, PN 190-01878-02 REV 6. INSTALLED NEW GARMIN GSB-15 USB PORT PN 011-04937-20 SN 63M264528 USING GARMIN INSTALLATION MANUAL PN 190-00303-A3 REV 6. INSTALLED NEW GARMIN GTN 650XI PN 011-04631-01 SN 5FP054055 IAW GARMIN STC# SA02019SE-D USING GARMIN PART 23 AML STC INSTALLATION MANUAL PN 190-01007-C0 REV 12. AFMS PN 190-01007-C2 REV 9 AND ICA'S PN 190-01007-D1 REV 2 CREATED AND GIVEN TO OWNER/CUSTOMER THIS DATE. FORM 337 COMPLETED. INSTALLED NEW GARMIN GNC 355 COM/GPS PN 011-04956-00 SN 5YR006319 IAW GARMIN STC# SA02636SE USING GARMIN PART 23 AML STC INSTALLATION MANUAL PN 190-02207-A5 REV 6. AFMS PN 190-02207-A3 REV 4 AND ICA'S PN 190-02207-A2 REV 3 CREATED AND GIVEN TO OWNER/CUSTOMER THIS DATE. FORM 337 COMPLETED.

page 2 of 3

OECR893K

David Espinosa

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
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# AIR ONE SYSTEMS

Where Quality Surpasses Your Expectations

Make: MOONEY Model: M20J Serial Number: 24-3192 Registration: N885J

Date: 2/26/2026 Total Time: \_\_\_\_\_ Hobbs Time: 1285.7 Work Order: 9512

INSTALLED NEW GARMIN G-5 STBY ADI PN 011-03809-00 SN 4JQ069490 IAW GARMIN STC# SA01818WI USING GARMIN PART 23 AML STC INSTALLATION MANUAL PN 190-01112-10 REV 31. AFMS PN 190-01112-13 REV 9 AND ICA'S PN 190-01112-11 REV 10 CREATED AND GIVEN TO OWNER/CUSTOMER THIS DATE. FORM 337 COMPLETED. INSTALLED NEW ARTEX ELT 345 PN A3-06-2880 SN 324-08418, ELT SWITCH PN A3-06-2757 SN 101900-076 AND ELT ANTENNA PN 110-773 SN 1019087-016 IAW ARTEX INSTALL MANUAL Y1-03-0282 REV P. ELT HEX CODE 2DC8A-241C4-FFBFF. INSTALLED NEW GARMIN GCO-14 DETECTOR PN 011-06537-00 SN 8L7003954 IAW GARMIN INSTALLATION MANUAL PN 190-03084-00 REV 2. REPLACED BOTH LANDING LIGHTS WITH NEW WAT P36G37 PN 01-0772102-10 SN'S 04893 AND 04886 IAW WAT INSTALL GUIDE 14E25. REPLACED BOTH TAXI LIGHTS WITH P36G3T PN 01-07722102-15 SN'S 03494 AND 03492 USING INSTALL GUIDE 14E25. INSTALLED NEW WHELEN LED TAILLIGHT PN 01-0771554-03 SN 240078. INSTALLED NEW LH AND RH RECOGNITION LIGHTS WITH WHELEN PN 01-0770303-20. INSTALLED NEW WAT RH STROBE/NAV LIGHT PN 01-0790701-11 SN 020074 AND LH STROBE/NAV LIGHT PN 01-0790701-12 SN 020232 USING WAT INSTALL GUIDE 14743B. C/W FAR 91.411 AND FAR 91.413. ALL WORK DONE IAW ALL APPLICABLE FAR'S AND MANUFACTURERS SPECIFICATIONS. OPERATIONAL CHECKS GOOD ON ALL SYSTEMS ON GROUND. FLIGHT TEST COMPLETED AND ALL CHECKS GOOD. WET COMPASS ALSO SWUNG. AIRCRAFT RE-WEIGHED BY OUTSIDE FACILITY. REFERENCE WORK OPRDER # 9512 FOR FURTHER DETAILS.

Page 3 of 3

OECR893K

David Espinosa

ELT Battery

Expires Nov 2031

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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I CERTIFY THAT THE ALTIMETER & STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO 20,000 FEET ON DATE 2-26-2026.

SIGNATURE D. Espinosa 

FAA CRS OECR 893K

Ac Hobbs 1285-70

G-5

I CERTIFY THAT THE ALTIMETER & STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO 20,000 FEET ON DATE 2-26-2026.

SIGNATURE D. Espinosa 

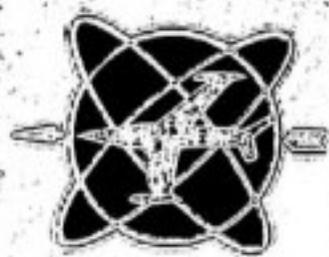
FAA CRS OECR 893K

Ac Hobbs 1285-70

G3K




#3 16 Sept  
2016



*The Standard*

# ENGINE LOG

ASA-SE-2

**Engine Record** General Information

Manufacturer Lycoming Model IO-360-A3B6D  
Serial L-25426-51A Type Certificate \_\_\_\_\_

Is engine is currently installed in aircraft: \_\_\_\_\_

Minimum Octane Fuel \_\_\_\_\_ Oil Grade Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours

YEAR 20 <u>16</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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16 Sept 2016 Tach 1003.0 TTE 1003.0 TSMOH O.O  
 Major Overhaul IO-360-A3B6D Engine S/N L-25426-51A. Crankshaft STD  
 Mains and STD Rods P/N LW-17222 S/N V19725. Installed New Lyc  
 Camshaft & Body's PN O5K22754. Installed O/H Magneto Bendix P/N  
 10-682555-11 S/N C0990166. Installed 4ea. New Lycoming Cylinders  
 P/N O5K21120. Servo Overhauled P/N 2524054-11 S/N 72GR7507.  
 Engine Test Cell Run and found Satisfactory. Itemized Parts List and  
 Serviceable Tags are Included. Mdl.IO-360-A3B6D S/N L-25426-51A.  
 Engine has been Overhauled in Accordance with Factory Overhaul  
 Manual 60294-7-14. All FAA AD's & Factory Service Bulletins have been  
 complied with. All parts have been inspected & have been determined  
 Airworthy for return to Service. Pertinent details of the repair are on file  
 at this agency under work order No. 026098 Completed 16 Sept 2016.  
 Signed for Columbia Aircraft Services, Inc.  
 Bloomsburg, Pa 17815 FAA R.S. JM2R930K



YEAR  
20 \_\_\_\_\_  
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.)

**FAA - PMA**

This tag certifies that Sky-Tec Model No. 149-NL/ec  
Serial No. FNE-211647 was manufactured new on 23 May 2016  
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW  
Supplement No. 7 in accordance with Sky-Tec's  
FAA-Approved Quality System (14CFR Part 21, Subpart K).  
This article has been determined to be airworthy.  
For installation eligibility see [www.skytecair.com/eligibility.htm](http://www.skytecair.com/eligibility.htm)

Installed on N \_\_\_\_\_ by \_\_\_\_\_ (Mechanic)  
(Aircraft)

Form CC1108-1



**LOGBOOK ENTRY**  
ENGINE

Name: Joe Thomas  
W.O.: 9655  
Date: 5/3/17

A/C: N885J  
Hobbs Time: 1006.2  
AC S/N: 24-3192

Inspected and replaced oil filter with new P/N CH48103-1. Added one quart Phillips 20W50 Mineral oil to engine. Leak check satisfactory. Adjusted idle mixture. Checked compressions: cyl. #1: 74/80, cyl. #2: 73/80, cyl. #3: 74/80, cyl. #4: 76/80.

With respect to the work performed and described above, this aircraft is approved for return to service.

Signature: August Mazzella A&P 1898863  
August Mazzella  
FlightLevel Norwood LLC - Maintenance  
209 Access Rd., Norwood, MA 02062

Alterations  
Number's  
to be entered

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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N: 885J

Tach: \_\_\_\_\_

HMDT: 1020.3

7/14/17

- 1- Drain oil, remove filter, c/w and inspect. Remove suction screen, and inspect. No metal.
- 2- Service w/ 7 Qt Aeroshell 100 mineral oil and New 48103 filter.
- 3- Re-install cowling.

Z h M

7/14/17

Lynn R Mace AP 3118643 IA

CLEARCRAFTERS  
Service Center





YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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N: 8855

Tach: 10527

HM/TI: 50.7  
TSMOH

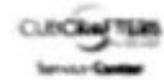
5/10/18

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 78/80 (2) 77/80 (3) 77/80 (4) 76/80 (5) 76(BT)/80
- 3) See FAA Airworthiness Directive Compliance Record dated 5/10/18 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual 100hr inspection and was determined to be in airworthy condition."

Lynn R Mace 5/10/18

Lynn R Mace AP 3118643 IA



YEAR 20 19 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
5-10	1080.7 Hm		78.7 TSMOH	<p>Drain oil. Remove filter &amp; suction screen for inspection. NO metal. Install new 48103 oil filter &amp; service w/ 7qts Aeroshell 100w plus. Clean fuel injectors. Inspect screens. Ran up &amp; ops test to full power.</p> <p>Zhm AP 3118643</p>

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.)



N885J

Tach: \_\_\_\_\_

TT: 1080.7

TSMH = 78.7

5/10/19

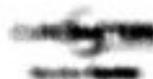
- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 73 (2) 73 (3) 76 (4) 76 (5) 76
- 3) See FAA Airworthiness Directive Compliance Record dated 5/10/19 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual 100hr inspection and was determined to be in airworthy condition."

Z R Mace

5/10/19

Lynn R Mace AP 3118643 IA



YEAR 20 <u>20</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-24	1094.3			Drain oil, Remove filter. Install new AA 48103-2 filter and service w/ 7 qts Aeroshell 100W plus 2 hr AP 3118643
6-5-20	1104.9		102.9	Drain oil, Remove suction screen, cut/inspect filter. (No metal) Install new AA 48103-2 filter, screen, safety clean, gap, test spark plugs. clean fuel injectors. Serv w/ 7 qts 100W(p) 2 hr AP 3118643 CW AD 76-07-12 mag SW due @ 1204.9 CW AD 2015-19-07 SB 342G due 1204.9 2 hr AP 3118643

R E	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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N: 5885

Tach: 1104.9

HM/TT: 102.9 TSMOH

6/5/2020

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 70/80 (2) 70/80 (3) 77/80 (4) 70/80 (5) 70/80 (6) 70/80
- 3) See FAA Airworthiness Directive Compliance Record dated 6/5/20 or later for current status, next due date and time.

"I certify that this aircraft engine and propeller has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition."

Zh M 6/5/2020

Lynn R Mace AP 3118643 IA



YEAR 2020 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations:</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/27	1133.3		<del>1133.3</del>	Change Oil, Drain Sump & remove filter. Service w/ 7 qts Aerashell 100W plus and install New AA 48103 oil filter. safety. took oil sample. Install New 2 1/2" SCAT cabin heat duct. → L M AP 3118643
7-6-21	1161.6		1161.6	Drain oil, cut and inspect filter, inspect screen (No metal), Install New 48103 filter and service w/ 7 qts Aerashell 100W plus. Clean gap and test spark plugs. C/W AD 2015-14-07 Fuel injector line inspection per SB 342 G due @ 1261.6. → L M AP 3118643

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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N: 885J

Tach: \_\_\_\_\_ **HM**TT: 1161.6

7,612.1

159.6 TSMOH

- 1) Aircraft engine and propeller inspected in accordance with FAR part 43 appendix (D)
- 2) Compression test: (1) 76/80 (2) 76/80 (3) 77/80 (4) 76/80 (5) 77/80 (6) 77/80
- 3) See FAA Airworthiness Directive Compliance Record dated    /   /    or later for current status, next due date and time. \* *See entry.*

"I certify that this aircraft engine and propeller has been inspected in accordance with an **Annual** 100hr inspection and was determined to be in airworthy condition."

*Lynn R Mace* 7/6/2021

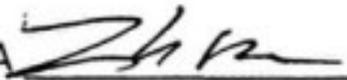
Lynn R Mace AP 3118643 IA



YEAR 20 <u>21</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterati</b> <small>Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entr</small>
11 / 10	1191.3			Changed oil and filter, Install New 48103 Filter and service w/ 7 qts Aeroshell 100w plus. → LHM AP 3118643

**N885J 05/17/2022 HOBBS: 1203.5 TSMOH: 201.5 ENGINE**

1. Performed Annual Inspection IAW FAR 43 App. D and Mooney M20J SMM 123 Inspection Checklist.
2. Removed filter and suction screen, inspected (no metal).
3. Change oil and filter. 7qt Aeroshell 100W / new CH-48103. Torque and safety filter and screen.
4. Clean, gap and test all spark plugs. Rotate and reinstall. Borescope inspect muffler.
5. Compressions: 1=75, 2=77, 3=76, 4=77 / 80.
6. I Certify that this **Engine** has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. See AD Report dated 05/17/2022.

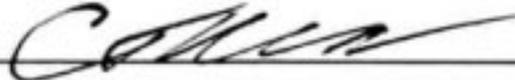
Lynn R Mace AP 3118643 IA  05/17/2022

**AGL Aviation Services LLC**

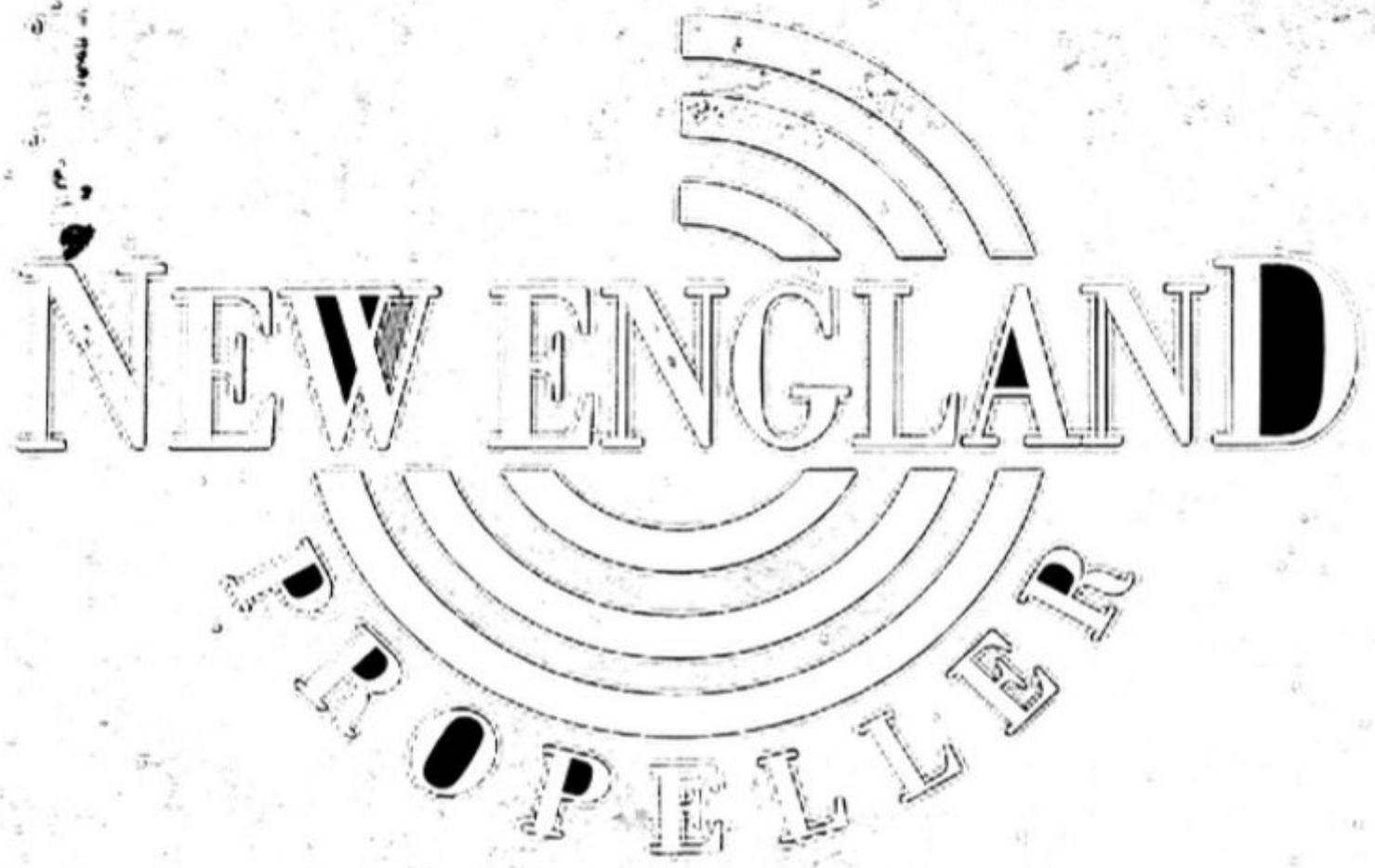
YEAR 20 <u>22</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/27	1235.4			CHANGED OIL & FILTER. INSTALL NEW 48103 FILTER & SERVICE WITH 8 QUARTS AEROSHELL 100W PLUS. RUN UP CHECK. NO LEAKS. OIL SENT TO ALS GLOBAL FOR ANALYSIS. VALVE COVER SCREWS TIGHTENED. KARL P. KOEPPZ OWNER/OPERATOR
3/21/23	1276.0		273.0	CHANGED OIL & FILTER - INSTALL NEW TEMPEST AA48103 - 2 FILTER. SAME LOCK WIRE SERVICE & 8 QTS. AEROSHELL 100W PLUS. RUN UP CHECK. NO LEAKS. TIGHTEN OIL STICK FUEL. SAMPLE TO ALS GLOBAL FOR ANALYSIS KARL P. KOEPPZ OWNER/OPERATOR

Date: June 4, 2023 Reg. No: N885J ACS/N:24-3192 Make: Lycoming Model: IO-360 ENG S/N: L-25426-51A Tach: 1280.8

Performed 100HR/Annual inspection of Engine IRT Mooney AMM, Lycoming owners & operators manual, FAR 43 Appendix D & all other applicable airworthiness data. Removed, inspected, cleaned, gapped and tested all spark plugs. Bore scope and differential pressure test performed on all cylinders with no defects. Diff press test results as follows #1.78/80 #2.78/80 #3.79/80 #4.78/80. Reinstalled all spark plugs with new M674 gaskets. Verified Mag timing. Removed and replaced all Rocker cover gaskets PN: SL671193-S. Installed new BA6205 Air filter element. Removed entire exhaust system, cleaned & dressed all standpipe & cylinder flanges reinstalled exhaust system with new gaskets PN: 77611. Torqued oil drain back line clamps on all cylinders. Repaired Tanis heating system connections. Performed post MX ground runs and tool accountability check with no defects noted.

Christopher A. Johnson  A&P 3794542 IA

N 88158  
24-3192  
LOG #3



PROPELLER LOGBOOK

# PROPELLER MAINTENANCE RECORD

## LEFT ENGINE

Hub Model B2D34C214-B

Blade Design 90DHB-16E

Diameter \_\_\_\_\_

Hub Ser. No. 900667

Blade Ser. Nos.

No. 1 JJ 089

No. 2 JJ 132

No. 3 \_\_\_\_\_

No. 4 \_\_\_\_\_

No. 5 \_\_\_\_\_

## PITCH RANGE

High 33.0 Low 13.9

Feather \_\_\_\_\_ Reverse \_\_\_\_\_

Governor Model \_\_\_\_\_

## RIGHT ENGINE

Hub Model \_\_\_\_\_

Blade Design \_\_\_\_\_

Diameter \_\_\_\_\_

Hub Ser. No. \_\_\_\_\_

Blade Ser. Nos. \_\_\_\_\_

No. 1 \_\_\_\_\_

No. 2 \_\_\_\_\_

No. 3 \_\_\_\_\_

No. 4 \_\_\_\_\_

No. 5 \_\_\_\_\_

## PITCH RANGE

High \_\_\_\_\_ Low \_\_\_\_\_

Feather \_\_\_\_\_ Reverse \_\_\_\_\_

Governor Model \_\_\_\_\_

1. Approving National Aviation Authority/Country: <b>FAA/United States</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking No.: <b>29606</b>
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4. Organization: <b>New England Propeller Service, Inc.</b> <b>RC2R130L</b>	P.O. Box 244 East Haddam, CT 06423-2388 (860) 873-1494 • Fax: (860) 873-2388	5. Work Order/Contract/Invoice Number: <b>CR29606</b>
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status Work:
1	MCCAULEY PROPELLER	B2D34C214-B 90DHB-16E	N/A	1	900667	OVERHAULLED

13. Remarks:

This propeller was inspected and repaired in accordance with manufacturer's manual: 780630R6 Bom 100.1 SPM 100.1

Total Time: UNKNOWN hrs. Time Since Overhaul: 00.00 hrs.

Details of work performed are on file at New England Propeller Service, Inc. under Repair Station Work Order Number: CR-29606

The following work was performed:

**MAJOR OVERHAUL. BLADES REFINISHED. PARTS FLORESCENT PENETRANT INSPECTED, MAGNAFLUXED, REPLATED & REPLACED WHERE REQUIRED. PROPELLER TRACKED, BALANCED, SET ANGLES GREASED & PAINTED, COMPLIES WITH AD'S & SB'S LISTED ON 8130-3 FORM. BLADES HIGH POLISHED.**

Blade S/P's  
JJ 089  
JJ 132

**MAJOR PARTS REPLACED**

The following Service Bulletins have been complied with;

Nomenclature	Part #	Qty.	Reason
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**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
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Date: 2/7/2005, Aircraft: N885J, S/N: 24-3192, Hobbs: 870.6, Total Time: 870.6 Shop Order # 9678

\*Performed a 100 Hour/Annual Inspection of the Propeller in accordance with the inspection checklist contained in the M20J Maintenance Manual.

\*Examined each propeller blade to assess the severity of each nick and abrasion. Carefully dressed each blade to remove minor nicks and abrasions using files and sandpaper as required.

Keyson Airways Corporation FAA CFS KNMR864S PAGE 1 OF 1

5/19/18	1052.7	100hr / Annual inspection and	
		prop was determined to be	
		in Airworthy condition	ZRM AP 3118643 IA
5-10-19	1080.7 hr	100hr / Annual inspection and	
		prop was determined to be	
		in Airworthy condition.	ZRM AP 3118643 IA

**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
6-5-2020	1104.9	Annual inspection of prop and was determined to be in Airworthy condition	Z h m AP 3118643 IA
7-6-21	1161.6	Annual inspection of prop and was determined to be in Airworthy condition	Z h m AP 3118643 IA

**N885J 05/17/2022 HOBBS: 1203.5 TSOH: 200.5 PROPELLER**

8. Performed Annual Inspection IAW FAR 43 App. D and Mooney M20J SMM 123 Inspection Checklist.
9. I Certify that this Propeller has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. See AD Report dated 05/17/2022.

Lynn R Mace AP 3118643 IA Z h m 05/17/2022

**DESCRIPTION OF ALL OPERATIONS  
PERTAINING TO AIRWORTHINESS DIRECTIVES,  
SERVICE BULLETINS, SERVICE LETTERS,  
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
RO	1397	WO: WO1893	
Registration:	N885J	Tech: 1281.7	
Model No.	McCauley B2D34C214	 <b>RED ARROW</b> Propeller Log Entry	TTIS/ TSOH: Unknown/ 278.7
Serial No.	900667		Date: 12/19/2025
<p>Completed 100 hr inspection on this propeller IAW Mooney International Annual Maintenance Inspection Guide revised Aug 2018. Performed airworthiness directives search through 7/19/2025</p>			
<p>Performed a propeller balance IAW DynaVibe Dynamic Propeller Balancer instructions. Initial reading was 2,028 RPM at .57 IPS at the 278 degrees location with spinner. Removed spinner and existing weights, new reading indicating placing 33.5 g at 270 degrees location with no spinner. read 2205 RPM at .02 lps at 314 Degrees. Installed spinner and read 2200RPM at 0.10 IPS at 83 degrees. Total weight added was 33.5 grams. Placard was added to bulkhead stating propeller has been dynamically balanced.</p>			
<p>Inspected for cracks, dents, nicks, scratches, erosion, corrosion, mounting and security. Assisted maintenance techs: Christopher Gutierrez and Marco Lozoya Assisting A&amp;P: Billy Crossland 3657057 and Jesse Morse 4872512</p>			
<p>I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in an airworthy condition on this date.</p>			
<p>Elliott Werner A&amp;P A&amp;P 2225960 IA Date: 12/19/25 Signature </p>			