

N2977L



*The Standard*

# AIRCRAFT LOG

ASA-SA-1

... provided by direction of the Administrator and in accordance with conditions and limitations of  
... shall above and on attached sheets numbered  
... in conformity with applicable

**Aircraft Record** General Information

Manufacturer MOONEY Model M20F  
Serial 670336 Registration Number N2977L  
Date of Manufacture 03-20-1967

Engine(s) currently installed:

Manufacturer Lycoming Model I0-360-A1A Serial L-2465-51A  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer HARTZELL Model HC-C2YK-1B  
HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

... in accordance with conditions and limitations of  
... listed above and on attached sheets numbered  
... comply with applicable

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.)
	5/1/2009	Airframe Log Entry	N2977L	Aircraft total time 3789.2  Aircraft and engine logs were destroyed during fire at owner's home. FAA Advisory Circular 43-9C was referenced as a guide to re establishing maintenance history. A brief quote from AC 43-9C. <b>LOST OR DESTROYED RECORDS.</b> Occasionally, the records for an aircraft are lost or destroyed. In order to re-construct them, it is necessary to establish the total time-in-service of the airframe. This can be done by reference to other records that reflect the time-in-service; research of records maintained by repair facilities; and reference to records maintained by individual mechanics, etc. When these things have been done and the record is still incomplete, the owner/operator may make a notarized statement in the new record describing the loss and establishing the time-in-service based on the research and the best estimate of time-in-service. <ol style="list-style-type: none"> <li>a. The current status of applicable AD's may present a more formidable problem. This may require a detailed inspection by maintenance personnel to establish that the applicable AD's have been complied with. It can readily be seen that this could entail considerable time, expense, and in some instances, might require recompliance with the AD.</li> <li>b. Other items required by section 91.417(a)(2), such as the current status of life-limited parts, time since last overhaul, current inspection status, and current list of major alterations, may present difficult problems.</li> </ol>

an or Repair

Series of horizontal lines for recording inspection dates and descriptions.

**YEAR:**

5/1/2009

N2977L

Aircraft total time 3789.2

**DATE**

Airframe Total Time was determined: Airframe Current time 3789.2 the following documents were referenced:  
Documents reference: Copy of Annual/100hr log book entry dated 7/1/06 E.R. Barrett Jr. A&P 1235972. Re-print of  
AD compliance record from previous Annual/100hr performed on 8/10/2007 Marshall Morrison IA 3104950.

Major Repairs and Alterations:

Records from the Federal Aviation Administration were requested and supplied on CD dated 02/10/2009.

See CD for Major repairs and Alterations.

Complied with Annual inspection in accordance with Mooney Inspection Guide:

Complied with the following airframe maintenance this visit:

Complied with lubrication requirement per the Mooney Maintenance Manual. Complied with ELT inspection and test per FAR91.207 (d).  
Cleaned fire wall fuel filter and installed new seals. Replaced L/H and R/H fuel cap o-rings. Removed flaking paint from behind air filter.  
Removed minor corrosion in L/H and R/H wings. Re-sealed numerous L/H fuel tank access panels .Resealed lower outboard rear  
corner of L/H fuel tank. Serviced battery. Performed gear retraction test emergency and normal. Cleaned water drains in L/H and  
R/H wings. Replaced landing light with new P/N GE4522. Replaced engine air filter with new P/N BA6305. Replaced L/H wing fuel tank  
drain with new P/N F391-53S. Removed propeller and forwarded to Memphis Propeller for inspection and Airworthiness Directive  
compliance. Reinstalled after repair/inspection. Reference Memphis Propeller work order #17263. See propeller log for details.

Complied with the following Mooney Service Bulletins:

Complied with Mooney S/B M20-289A Aileron center link clearance by installation of kit M20-289-00.

Complied with Mooney S/B M20-264 Aileron Center Control Links Inspection/ Replacement by installation of kit P/N S/B M20-264-1.

Complied with the following Recurring AD

7-5-09-08 Cracked engine mount members. Visually inspected.

See Airworthiness Directive Compliance Report for AD Status.

I certify that this airframe has been inspected in accordance with and Annual inspection,  
and was found in airworthy condition at this time.

Marshall Morrison IA3104950

*Marshall Morrison*

Inspected by direction of the Administrator and in accordance with conditions and limitations of the applicable FARs and on attached sheets numbered as shown in the Remarks column of this form.

YEAR: \_\_\_\_\_  
DATE \_\_\_\_\_

**RETURN TO SERVICE**

COMPONENT IDENTIFIED HEREON  
REPAIRED AND INSPECTED IN  
ACCORDANCE WITH CURRENT FAA  
REGULATIONS AND IS APPROVED FOR  
RETURN TO SERVICE.

DETAILS OF THE  
REPAIRS ARE ON FILE AT  
FAA STATION UNDER:

Mooney MODEL M-20  
3918  
10-24-10  
K. Weckel  
(assembler)  
K. Weckel  
(inspector)

**K & K  
PRECISION WELDING**  
2088 Hwy. L Unit 15  
East Troy, WI 53120  
Repair Station #XKKR436L

YEAR: \_\_\_\_\_  
DATE \_\_\_\_\_

10/5/10

N2977L

Tach 222.7

Aircraft Total Time 3798.5

Engine TT 3798.56

Engine SMOH 429.8

Completed inspection i/a/w Mooney Maintenance Manual Inspection Section. Reinstalled spinner after cracks were repaired by K&K Precision Welding. Reinstalled muffler after being repaired by Dawley Aircraft. Installed new MM-3M-21, F34-14 rod end bearings, 914007-004, bushing, NAS6607-72D bolt, 720020-019 sleeve, 720020-501 collar on nose wheel steering linkage. Greased landing gear. Ran gear retract and emergency extension test. Installed new 940080-503 retrofit landing gear warning horn i/a/w Mooney Drawing No. 940080. Packed wheel bearings. New 111417-4S0120 hose on flap actuating cylinder. Bled lines and filled reservoir with fluid. New B3-5-1 and D9-19-1 vacuum filters. New 05-00944 hose on static system in fuselage. Cleaned battery cables and corrosion from battery box. Inspected and lubed all controls. Checked fuel screens.

East Troy, WI 53120  
Repair Station #XKCR436L

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
	10/5/10		N2977L	Tach 222.7 A/C TT 3798.56
Complied with the following ADs. See complete listing in aircraft records.				
	73-21-01	To Prevent Corrosion		C/W Par. A&C Due 3898.56 or 10/5/11
	75-09-08	Cracked Engine Mount		C/W Par. A Due 3898.56
	75-23-04	Dukes Landing Gear Actuator		P/C/W Part 1&3 Due 3989.2 Part 2 Due 3889.2
	77-17-04	Control Wheel Shafts		C/W Par. A Due 4298.56
	85-24-03	Contamination in Fuel Tanks		C/W Par. b Due 3898.56 or 10/5/11
	76-07-12 R1	Bendix Ignition Switches		C/W Par. 1 Due 3898.56
I certify that this aircraft has been inspected in accordance with an annual inspection and a list of discrepancies and unairworthy items dated 10/5/10 has been provided for the aircraft owner. Time since last inspection: 9.36.				
	10/5/10	Gary S. Burns	IA 587546132	<u>Gary S Burns</u>

1060018 70621212907  
in accordance with conditions and limitations of  
and in accordance with conditions and limitations of  
the Administrator and in accordance with conditions and limitations of  
have and on attached sheets numbered  
in comply with applicable



U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL AVIATION ADMINISTRATION  
 STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE  
 11-03-2010

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Rotor, Helicopter, etc.)	NAME OF APPLICANT
MOONEY	M20F	AIRPLANE	BUDDY'S AIRCRAFT SERVICES, BOLTON, MS 39041

LIST OF DATA

IDENTIFICATION	TITLE
GT 10-34, IR, DATED 11-02-2010	MAIN SPAR UPPER CAP DAMAGE REPAIR. MONNEY M20F, S/N M-20F670336 (N2977L)
	<p>Notes:</p> <ol style="list-style-type: none"> <li>The structural aspects only of the above listed data are approved herein. This approval is repair design data approval and not installation approval.</li> <li>This approval is valid only for Mooney M20F, S/N M20F670336 (N2977L)</li> <li>TSDS No. 2A3</li> <li>Weight and balance to be recalculated after the repair.</li> </ol>

PURPOSE OF DATA

To document and authorize the repair listed above.

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR Part 23.305(a), 23.603, 23.605, 23.607, 23.609 & 23.613(b)

Burns Air  
 407 R  
 Edwards  
 601-2

s a list of discrepancy