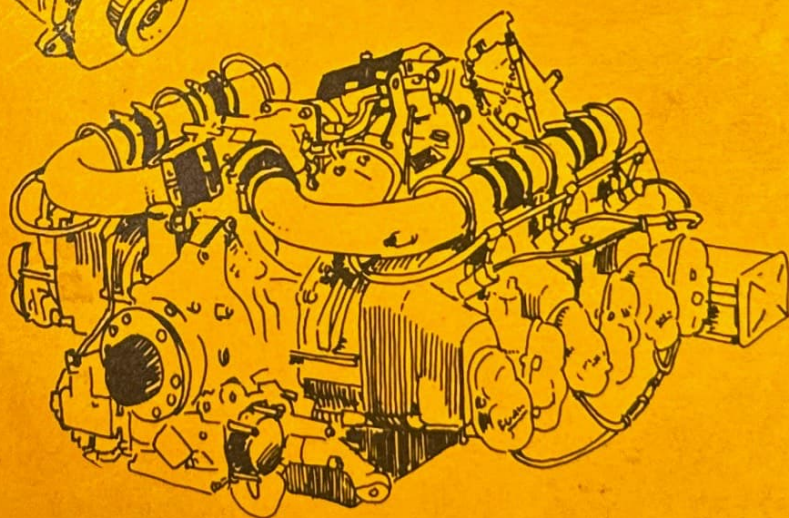
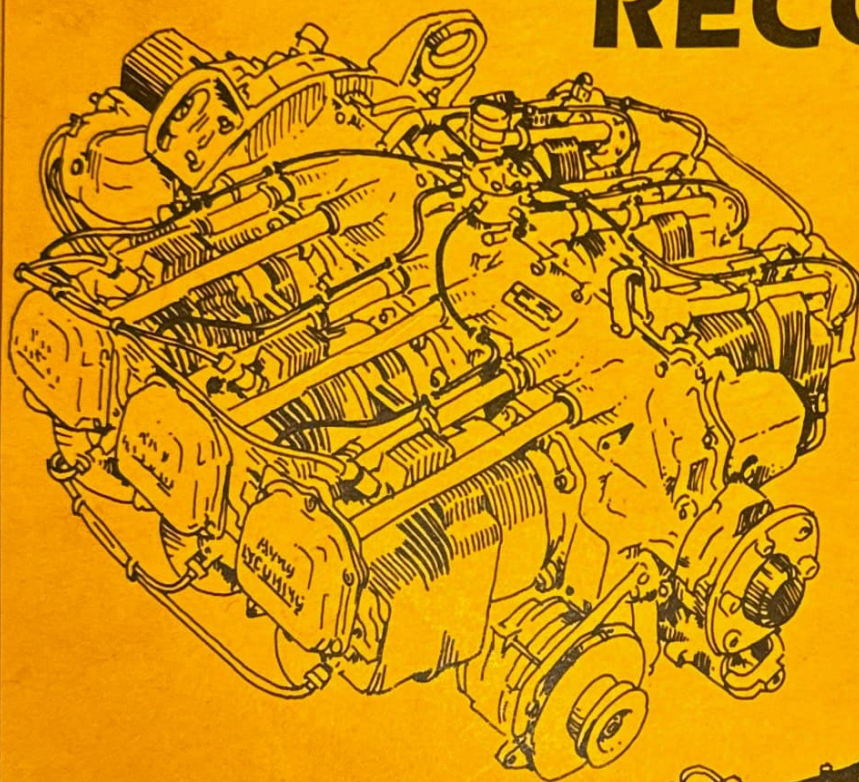


N3716H

N3716H

# ENGINE MAINTENANCE RECORDS

#2



**1-800 624-6680**

(In NY 516-298-8330)

**MATTITUCK AVIATION CORPORATION**

410 AIRWAY DRIVE, MATTITUCK, NY 11952



This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service. A description of these repairs is on file at this agency under:

JOB NO. 13986 DATED 5 Dec 96  
MFG. Lycoming MODEL IO-360-A3B6D  
Serial No. L-21128-51A Time in svc. 1302.33



**MATTITUCK AIRBASE, Inc.**  
FAA REPAIR STATION # QX2R125L  
AIRWAY DRIVE MATTITUCK NY 11952

*Michael B. Russell*  
Authorized Signature

New Wittids q's installed at time of overhaul

The accessories listed below were overhauled by Mattituck Airbase, Inc. in accordance with applicable manufacturer's service & parts manuals and installed on the engine:

Item	Part No.	Serial No.
SWO	2524054-10	73829

The accessories listed below were New or Overhauled as indicated in the status column and installed on the engine. Overhaul records for these overhauled accessories are in an envelope in the back of this logbook.

Item	Part No.	Serial No.	Status
Fuel pump	LW-15473		N

MATTITUCK AIRBASE, INC.  
FAA Repair Station QX2R125L  
W.O. No. 13986 Date 5 Dec 96



*Michael B. Russell*  
Authorized Signature

SUB-TOTALS this page

TOTALS—Carry forward to next page

Page No. \_\_\_\_\_

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	1302	05N04		TOTALS brought forward from previous page. 1302.33
12-5-96				Re-installed the following Seruicable components: MAG PW10-362555-11 S/N 67191 P/W Div. PW2524232-2 S/N 75283 STARTER PW1M24218 6J00005D HARNES M-2916 Engine test cell RUN AND IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED. RESW# 13986 MATTITUCK AIRBASE INC. CRS QX2R125L <i>Michael B. Russell</i>
12/20/96	1302.33	- 1302.33		Re-installed ENGINE IN MOOREY N3716H S/N 24-0911, SERVICED WITH 8 BT. AEROSHELL 80 MINERAL OILS. BATTERIES REPAIRED, NEW BATTERY SEAL + HOSES INSTALLED, PROP OHV + GOV. FLUSHED BY SPRAYWICH. WELDED CRACK IN MUFFLER, COMPLETED ANNUAL INSP. EMM MOOREY INSP FORM, RUN UP + LEAK CK'D GOOD.
				Tachometer 1302.33 Total Time 1302.33 I certify that this (engine) has been inspected in accordance with a ANNUAL (1302.33) inspection and was determined to be in airworthy condition. Time since last insp. 12.8.33 Dated 12/20/96 W.O. # N/A DAVID MATHIESEN A & P 139641126T.A. Signed <i>David Mathiesen</i>

SUB-TOTALS this page

1302 0 1302.33 TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	1302.33	-0-	1302.33	TOTALS brought forward from previous page
12/21/96				PICK UP FROM AIRMODS WITH 7 QTS SHOWING. / <i>Uma</i>
12/26/96	1307	4.7	1307.	ADD 1 QT MINERAL OIL, RESTORE TO 7 QTS. / <i>Uma</i>
1/26	1318	16	1318	ADD 1 QT MINERAL OIL (AVG. 10 hrs per qt)
2/3	1328	26	1328	ADD 1 QT MINERAL OIL (AVG. 9 hrs per qt)
2/9	1328 (1321)	26		<sup>PITTSBURGH</sup> DRAIN + FILL W/ 6 QTS OF 20W50 TYPE Mineral / <i>Uma</i>

MAKE LYC MODEL JO-360A3B/D SERIAL No./IN No. L-21128-S14

TOTAL TIME	TACH READING	1327.0	DATE	2-20-97
------------	--------------	--------	------	---------

Perform 25hr Inspection LEAK DOWN READINGS  
All Cyls <sup>25</sup>/<sub>100</sub> as Better. DRAIN ENGINE OIL AND  
CHECKED FILTER FOR CONTAMINATION NONE NOTED.  
SERVICED ENGINE WITH 8 QTS 20-50 PHILLIPS  
TYPE M OIL. WITH NEW CHC103 FILTER  
REPLACED Baffle Spring ON RH SIDE THH ENGINE  
IS AIR WORTHY WITH RESPECT TO WORK PERFORMANCE

MATTITUCK AIRBASE, INC.  
FAA Repair Station QX2R125L  
W.O. No. 18124



**Authorized Signature**

	1329	29	1329	TACH TIME FOR ABOVE SERVICE
4/12/97	1360	58	1360	Changed oil & FILTER with 20w-50 Addition of 1 pint AV blend. DAVID MATHIESEN A & P 139641126 I.A.
				37 hrs since last oil change, added 2 qts in interim. Average consumption 1 in 15 hrs!
			57.8	SUB-TOTALS this page
			1360	TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	1360	58	1360	TOTALS brought forward from previous page
4/30/97	1373	71	1373	ADD 1QT OF 20/50 XC TO 7QTS. 13 hrs / Manual 148061600
5/18/97	1386	84	1386	DRAIN OIL AND FILL WITH 7 QTS OF PHILIPS XC 20W50, 1 PINT OF AVBLEND. RUNUP, CHECK FOR LEAKS, OPS GOOD. RTS. / Manual 148061600
				26 HRS SINCE LAST OIL CHANGE. Avg. 13 hrs / AT.
5/1/97	1388	86	1388	SPARK PLUG SERVICE! REMOVE, CLEAN, GAP TO .18, ROTATE TOP TO BOTTOMS, TORQUE TO MFG. SPECS. IN ACCORDANCE WITH CHAMPION SERVICE GUIDE FOR RHM38ES FINE WIRES. OPS CHECKED GOOD RTS. 86 hrs. SINCE LAST SERVICE. / Manual 148061600
	1406			DRAIN / SERVICE OIL W/ 7 QTS 100W AND CHANGE FILTER CHAMP 1081 03, OUT & INSPECT FOR CONTAMINATION, NONE FOUND check for leaks, OPS OK / Manual 148061600
				20 hrs since last oil, 46 hrs since filter
12-28-97	1434			DRAIN OIL. 1 Rpt. / 60 W. TW AeroShell Phillips XC 20 W50 1550580. cleaned and Regapped sparkplugs. checked magnifying cleaned air nozzles Reinstalled and inspected lines & clamps. IDW AD 93-02-05. Replaced fuel on 901 filter comp. #17 <sup>1</sup> /80 #27 <sup>2</sup> /80 #37 <sup>3</sup> /80 #47 <sup>4</sup> /80
				I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A / Manual INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION
				TIME IN SERVICE 1434 DATE 12-28-97
				SIGNED / Manual 20552925707
				FLYING TIGERS INC. 717-653-8181
				SUB-TOTALS this page
	1434	132	1434	TOTALS—Carry forward to next page



**TOTALS**—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	100	198		TOTALS brought forward from previous page
8/16/98				DRAIN OIL, REPLACE OIL FILTER w/ CH 103. WIRE. FILL w/ 70W OF AEROSHELL 100W. NO CONTAMINATION NOTED. RUN UP, CHECK FOR LEAKS, NONE NOTED. OPS OK RETURN TO SERVICE / <u>Wmar</u> PP 148661060
11/14/98 1546				DRAIN & FILL w/ 20W50 x country 1 PT of AVBLEND. RUNUP / OPS OK / <u>Wmar</u> 148661060
1/8/99 1568.	265.67	1568.		COMPLETED ANNUAL INSP. FAW NOOKRY FORM, MEETS REQ. OF FAR PART 43 APP. D. ① 75/50 ② 75/50 ③ 75/50 ④ 74/50 REPLACED FUEL PUMP WITH NEW TEMPEST 211CC BY AERO ACCESSORIES, REPLACED #4 CYL. INTAKE GASKET, ADJ. idle + MIXTURE, SERVICED OIL WITH AEROSHELL 15W-50, CHW 96-09-06 BRACKET FILTER CHW 93-02-05 FUEL INJECTOR LINES + CLAMPS. ALL FUEL NOZZLES CLEANED.
<b>Air - Mods &amp; Repair Inc.</b> Old Bridge Airport (3N6) 182 Pension Rd. English Town. N.J. 07726 (908) 446-0703 DAVID MATHIESEN A & P 139641126 I.A.				Tachometer <u>1568.</u> Total Time <u>1568.</u> I certify that this <del>engine</del> (engine) has been inspected in accordance with a ANNUAL <del>(tachometer)</del> inspection and was deter- mined to be in airworthy condition. Time since last insp. <u>134.</u> Dated <u>1/8/99</u> W.O. # <u>N/A.</u> Signed <u>David Mathiesen</u>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1/22/00	1617.	314.67	1617.	<p>completed annual insp. IAW MOOREY FORM, MEETS Req. of FAR PART 43 APP. D.</p> <p>① 74/50 ② 72/50 ③ 75/50 ④ 74/80</p> <p>Repaired #2 cyl. fuel injector line.</p> <p>Repaired #2 cyl. BAFFLE with patch.</p> <p>clw 93-02-05 fuel injector lines + clamps.</p> <p>Replaced #1 cyl. RBC GASKET.</p> <p>serviced with 15W-50 shell.</p> <p>clw AD 96-09-06 BARKER FILTER insp.</p> <p>Tachometer <u>1617</u> Total Time <u>1617</u> I certify that this <del>engine</del> (engine) has been inspected in accordance with a <del>ANNUAL</del> ANNUAL inspection and was determined to be in airworthy condition.</p> <p>Time since last insp. <u>49.</u></p> <p>Dated <u>1/22/00</u> W.O. # <u>N/A</u></p> <p>Signed <u>David Mathiesen</u></p>
				<p><b>Air-Mods &amp; Repair Inc.</b>  <b>Old Bridge Airport (3N6)</b>  <b>182 Pension Rd. English Town.</b>  <b>N.J. 07728 (908) 446-0703</b></p> <p><b>DAVID MATHIESEN</b>  <b>A &amp; P 1396411261.A</b></p>
8/12/00	1638	335	1638	<p>DRAIN OIL + SERVICE / FILL W/ 7QTS AEROSHELL SUPER 100+. check FOR LEAKS, RUNUP OK, RTS 21hrs since oil change</p> <p>REMOVE/REPLACE ACCESSORY P/N #</p> <p>REMOVE/REPLACE AND REPLACE ALTERNATOR P/N ES-ALY8420R. EXACT REPLACEMENT, NO CHANGE IN WT + BALANCE. VOLTAGE REGULATOR CHECKED, RATE AND VOLTAGE OPS. NORMAL. AIRCRAFT RETURNED TO SERVICE</p>
8/25/00	1642		1642	
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1/23/01	1659	356.67	1659	<p>completed ANNUAL insp. IAW MOOREY form, meets Reg. of FAR PART 43 APP. D.</p> <p>① 75/80 ② 77/80 ③ 75/80 ④ 77/80</p> <p>c/w to 93-02-05 FUEL INJ LINES BY insp.</p> <p>c/w to 96-09-06 BRACKET FILTER SETTL insp.</p> <p>SERVICED with 7 ETS, 15W-50 Shell.</p> <p>ADJ. idle MIXTURE &amp; idle RPM.</p> <p>REPAIRED BAFFLING AS REG'D.</p> <p>c/w to 99-24-10 precise FLIGHT SVS V VALVE installed.</p> <p>tachometer <u>1659</u> Total Time <u>1659</u> I certify that this <del>engine</del> (engine) has been inspected in accordance with a ANNUAL <del>inspection</del> inspection and was determined to be in airworthy condition.</p> <p>Time since last insp. <u>42</u></p> <p>Dated <u>1/23/01</u> W.O. # <u>N/A.</u></p> <p>Signed <u>David Mathiesen</u> DAVID MATHIESEN A &amp; P 139641126 I.A</p>
				<p><b>AIR-Mods &amp; Repair Inc.</b> Old Bridge Airport (3N6) 182 Pension Rd. English Town N.J. 07726 (908) 446-0703 732</p>
1/30/02	1697	394.67	1697	<p>changed oil &amp; FILTER 15W-50. Run up good</p> <p><del>nothing</del></p>
2/15/02	1711	408.67	1711	<p>c/w ANNUAL insp. IAW MOOREY form.</p> <p>① 76/80 ② 76/80 ③ 75/80 ④ 76/80</p> <p>c/w 93-02-05 FUEL INJ LINES &amp; CLAMPS insp.</p> <p>REPLACED #2 &amp; #4 INTAKE GASKETS &amp; #2 #3 RBC,</p> <p>REATTACHED ALT. AIR DOOR SEAL, ADJ. ALT. BRKT.</p> <p>REPLACED Throttle Rod end.</p> <p>tachometer <u>1711</u> Total Time <u>1711</u> I certify that this <del>engine</del> (engine) has been inspected in accordance with a ANNUAL <del>inspection</del> inspection and was determined to be in airworthy condition.</p> <p>Time since last insp. <u>52</u></p> <p>Dated <u>2/15/02</u> W.O. # <u>N/A.</u></p> <p>Signed <u>David Mathiesen</u> DAVID MATHIESEN A &amp; P 139641126 I.A</p>
				<p><b>AIR-MODS &amp; REPAIR INC.</b> OLD BRIDGE AIRPORT (3N6) 182 PENSION RD. ENGLISHTOWN N.J. 07726 (732) 446-0703</p>
				<p>SUB-TOTALS Time since last insp. <u>52</u></p> <p>TOTALS—Carry forward to next page</p>

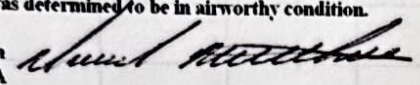
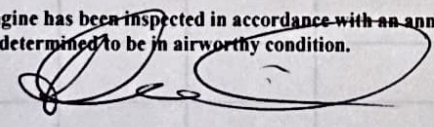


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
2/25/03	1755.7	452.7	1755.7	<p>c/w Annual insp 1/1/03 w/ Mooney Form &amp; items req'd by FAR 43 App(D). (1) 75/80 (2) 78/80 (3) 75/80 (4) 76/80</p> <p>c/w A-De 02-2601 Ins lines by insp</p> <p>Services w/ Aeroshell 15W50. Ran up - ops check &amp; leak check OK. Install Reiff engine preheat system at this time 1/1/03 install instructions</p> <p>tachometer 1755.7 Total Time 1755.7, certify that this (aircraft)(engine) has been inspected in accordance with a ANNUAL (100 HOUR) inspection and was determined to be in airworthy condition.</p> <p>Time since last insp. 44</p> <p>Dated 2/25/03 W.O. # N/A</p> <p>Signed <u>Thomas J. Gray</u></p> <p>Thomas J. Gray AIP 1556826751A.</p>
<p><b>AIR-MODS &amp; REPAIR INC.</b>          OLD BRIDGE AIRPORT (3N6)          182 PENSION RD. ENGLISHTOWN          N.J. 07726 (732) 446-0703</p>				
<p>Invoice #7414      Engine Logbook Entry      Date: 7/09/2003</p> <p>Aircraft: N3716H Type: MOONEY M20J S/N: 24-0911 Tach Time: 1765.0</p> <p>Drained engine oil.</p> <p>Installed new Varitherm Lyc p/n 53E22144 s/n 130895, torqued and resafetied. Removed lines from oil cooler, flushed out and checked flow OK. Reinstalled lines. Serviced engine with 8 qts of Aeroshell 15W50 oil. Ran up, operationally and leak checked, OK.</p> <p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service and is airworthy with respect to the work performed.</p> <p>Pertinent details of the repair on file at this repair station under Work Order No. <u>7414</u></p> <p>Date <u>7/9/03</u> Signed <u>Thomas P. R...</u></p> <p>CRS-0P1R372K, Ocean Air, Toms River, NJ</p>				
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page







DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<p align="center"><i>Air Mods And Repair</i> <i>Trenton- Robbinsville Airport (N87)</i> <i>Robbinsville, NJ</i></p>				forward from previous page
N3716H	2-16-05	Tach: 1894.50	TTIS: 1894.50	SMOH: 591.50
<ul style="list-style-type: none"> <li>• C/W Annual inspection &amp; servicing IAW Mooney insp. form and requirements of FAR 43, App. D.</li> <li>• Compressions (@ 80 psi): 1-74 2-72 3-75 4-76</li> <li>• Changed oil &amp; filter. Inspected element for signs of abnormal contamination, none found. Serviced with Aeroshell 15w-50. Ran up and leak/ops. checked within normal parameters.</li> <li>• C/W AD 02-26-01 Fuel injector line clamps</li> <li>• AD compliance checked thru bi-weekly 05-03</li> <li>• Replaced all cyl. #2 push rod tube seals.</li> <li>• Replaced cyl. #2 rocker box cover gasket.</li> <li>• Replaced exhaust tail pipe with overhauled unit.</li> <li>• Adjusted engine oil pressure as per Lycoming service manual.</li> <li>• R&amp;R propeller for alternator belt replacement.</li> </ul>				
<p>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.</p> <p>David Mathiesen  A&amp;P 2777904 IA</p>				
<p align="center"><i>Air Mods And Repair</i> <i>Trenton- Robbinsville Airport (N87)</i> <i>Factory Authorized Mooney Service Center</i></p>				
N3716H	2-22-06	Tach: 1955.40	TTIS: 1955.40	SMOH: 652.40
<ul style="list-style-type: none"> <li>• C/W Annual inspection &amp; servicing IAW Mooney insp. form and requirements of FAR 43, Appendix D.</li> <li>• Compressions (@ 80 psi): 1-73 2-76 3-78 4-76</li> <li>• Changed oil &amp; filter. Inspected element for signs of abnormal contamination, none found. Serviced with Aeroshell 15w-50. Ran up and leak/ops. checked within normal parameters.</li> <li>• C/W AD 02-26-01 Fuel injector line clamps IAW Lycoming S.B. # 342c.</li> <li>• AD compliance checked thru bi-weekly 06-02.</li> <li>• Replaced oil dipstick tube gasket; resafted.</li> <li>• Replaced aft tailpipe hanger.</li> <li>• Resafted propeller bolts.</li> <li>• Replaced misc. adel clamps on engine frame.</li> </ul>				
<p>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.</p> <p>Bret Gilligan  A&amp;P 2602905 IA</p>				
SUB-TOTALS this page				
TOTALS—Carry forward to next page				



**Air Mods And Repair**  
**Trenton- Robbinsville Airport (N87)**  
**Factory Authorized Mooney Service Center**

DESCRIPTION OF WORK PERFORMED—  
 NAME & CERTIFICATE NO. OF PERSON PERFORMING WORK

N3716H 2-21-07 Tach: 2006.44 TTIS: 2006.44 SMOH: 703.44

forward from previous page

- C/W Annual inspection & servicing IAW Mooney insp. form and requirements of FAR 43, Appendix D.
- Compressions (@ 80 psi): 1-78 2-76 3-74 4-74
- Changed oil & filter. Inspected element for signs of abnormal contamination, none found. Serviced with Aeroshell 15W-50. Ran up and leak/ops. checked within normal parameters.
- C/W AD 02-26-01 Fuel injector line clamps IAW Lycoming S.B. # 342e.
- C/W AD 96-09-06 Neoprene gasket by replacing air filter assembly.
- AD compliance checked thru bi-weekly 07-03.
- Installed Brackett air filter assembly IAW STC #SA71GL. See 337 this date.
- Replaced factory CHT terminal end connector.
- R&R alternator to clean & secure mount bushing.

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

David Mathiesen  
 A&P 2777904 IA

**Air Mods and Repair, Inc.**  
**Trenton-Robbinsville Airport (N87)**  
**Factory Authorized Mooney Service Center**

N 3716H 3-19-08 Tach: 2017.6 TTIS: 2017.6 SMOH: 714.6

- C/W Annual inspection & servicing IAW Mooney inspection form and requirements of FAR 43 Appendix D.
- Compressions (@80 PSI): 1: 78 2: 78 3: 79 4: 73
- C/W AD 02-26-01 Fuel inj. lines IAW MSB 342e
- AD compliance checked thru bi-weekly 08-05
- serviced oil with aeroshell 15w-50.
- replaced flex fuel supply hose ( firewall to fuel pump ).

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

David Mathiesen  
 2777904 A&P IA

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TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<p><i>Air Mods and Repair, Inc.</i>  Trenton-Robbinsville Airport (N87)  Factory Authorized Mooney Service Center</p> <p>N3716H 3-26-09 Tach: 2059.34 SMOH: 756.34</p> <ul style="list-style-type: none"> <li>• C/W Annual inspection &amp; servicing IAW Mooney inspection form and requirements of FAR 43 Appendix D.</li> <li>• Compressions (@80 PSI): 1: 76 2: 75 3: 77 4: 77</li> <li>• C/W AD 08-14-07 Fuel inj. lines IAW MSB 342e Next Due: Tach 2159</li> <li>• AD compliance checked thru bi-weekly 09-06</li> <li>• Replaced #2 &amp; 4 Intake gaskets w/ new.</li> <li>• Replaced #3 Rocker box gasket w/ new.</li> <li>• Secured alternator wiring harness and installed chafe protection.</li> <li>• Changed oil &amp; filter. Inspected filter element for signs of abnormal contamination, none found. Serviced w/ Aeroshell 15w50. Ran up and leak/ops check within normal parameters.</li> </ul> <p>I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.</p> <p>David Mathiesen  A&amp;P 2777904 IA <i>David Mathiesen</i></p>
08/05/10	2077.30	774.97	2077.30	<p>COMPLIED W/ AN ANNUAL INSPECTIONS. CHECKED</p> <p>COMPRESSION <sup>1</sup> 78/80, <sup>2</sup> 78/80, <sup>3</sup> 78/80, <sup>4</sup> 78/80.</p> <p>CLEANED, GAPPED &amp; ROTATED SPARK PLUGS. CHECKED</p> <p>MAG. TIMING TO ENG. INSPECTED EXHAUST SYSTEM.</p> <p>CLEANED FUEL INJECTORS &amp; SCREEN. REPLACED</p> <p>ROCKER SHAFT GASKET ON NO. 1 CYL. SERVICED</p> <p>ENGINE W/ 8QTS OF AEROSHELL 15W50 OIL.</p> <p>COMPLIED W/ AD 08-14-07 EXT. FUEL INJ. LINES</p> <p>INSPECTION. CHECKED AD COMPLIANCE THRU 2010-04.</p> <p>I certify that this ENGINE has been  inspected in accordance with AN ANNUAL  inspection and was determined to be in  airworthy condition. <i>Albert A. Angoluan</i>  ALBERT A. ANGOLUAN AP 20670401A</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
3/21/11	2095.6	793.2	2095.6	Changed Oil + Filter. Added Bqts Aeroshell 15W50. Cleaned & gapped spark plugs. Checked mag timing + ignition harness. Clean injector nozzles + screen C/W AD 88-24-02 External Fuel Injection Lines + clamps by inspection. Inspected exhaust System. Replaced all exhaust gaskets. Compression on cyl's #1 $\frac{77}{80}$ #2 $\frac{78}{80}$ #3 $\frac{74}{80}$ #4 $\frac{78}{80}$ . Checked AD Compliance thru Bu 2011-05. I certify that this <u>Engine</u> has been inspected in accordance with <u>Annual</u> inspection and was determined to be in airworthy condition. <u>Frank Kurtz JA2509467</u> Frank A. Kurtz 3/21/2011
4/2/12	2103.2	800.8	2103.2	Compression #1 $\frac{72}{80}$ #2 $\frac{74}{80}$ #3 $\frac{76}{80}$ #4 $\frac{76}{80}$ . Changed oil & filter, Aeroshell 15W50. Cleaned fuel screens and fuel injectors. C/W AD 11-26-04 by inspection due again at 2203.2 or line maint. Cleaned spark plugs. Checked magnets to engine timing. Replaced engine air filter element. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition. <u>J.R. Ruck 262536133 JH</u>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
3/24/13	2111.4	809.0	2111.4	Checked compression #1 76/80 #2 78/80 #3 78/80 #4 78/80. Changed oil and filter. Serviced with Aeroshell 15W50. Replaced air filter. Cleaned fuel injectors and fuel screen. C/W AD 2011-26-04, due again at 2211.4. Cleaned spark plugs. Checked magneto to engine timing. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition. John A. Richardson 262536133 FA

## Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)

207 Danley Drive

Fort Myers, Florida 33907

239-936-3666 www.switlikaviation.com



Date	Hour meter	SMOH	Total time	---	---	---	---
03/20/2014	2144.1	842.1	2144.1	---	---	---	---

Checked compression 1) 78/80, 2) 78/80, 3) 78/80, 4) 78/80. Changed oil and filter. Serviced with Aeroshell 15W50 oil. Cleaned spark plugs. Checked magneto timing. Cleaned fuel injectors and fuel screen. Complied with AD 2011-26-04 by inspection, due again at 2244.1. Replaced air filter. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A. Richardson* John A Richardson 262536133 IA

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Date	Hour meter	SMOH	Total time	---	---	---	---
03/20/2015	2189.7	887.7	2189.7	---	---	---	---

Checked compression 1) 72/80, 2) 74/80, 3) 70/80, 4) 76/80. Changed oil and filter. Serviced with Aeroshell 15W50. Cleaned, gapped, and rotated spark plugs. Checked magneto to engine timing. Cleaned fuel injectors. Complied AD 2011-26-04 by inspection, due again at 2289.7. Replaced air filter. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A. Richardson* John A Richardson 262536133 IA



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date	Reg number	Airframe s/n	Engine S/N	Tach	SMOH	Total	---
04/01/2016	N3716H	24-0911	L-21128-51A	2227.9	925.9	2227.9	---

Checked compression 1) 72/80, 2) 76/80, 3) 76/80, 4) 74/80. Drained oil. Replaced oil filter. Serviced with Aeroshell 15W50 oil. Cleaned spark plugs. Checked magneto to engine timing. Cleaned fuel screens, and fuel injectors. Complied with AD 2015-19/07 by inspection, due again at 2327.9. Replaced air filter. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A Richardson* John A Richardson 262536133 IA

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Reg. No.	Airframe s/n	Date	Engine s/n	Hobbs	T.T.	S.M.OH.	Cycles
N3716H	24-0911	4/1/2017	L-21128-51A		2255.2	952.9	

Model IO-360-A3B6D

Change oil and filter. Aeroshell W100 oil and Camguard additive. Cleaned suction screen. Borescope inspected cylinder bores. Cleaned, gapped and rotated spark plugs. Inspected exhaust system. Cleaned air filter element. C/W AD15-19-07 fuel injection lines and clamps. Compression #1, 76/80, #2, 78/80, #3, 78/80, #4, 76/80. Ground run and operational checked. Checked AD compliance thru BW17-06. I have inspected this engine in accordance with an Annual inspection and have found it to be in airworthy condition.

*Edward Switlik*

Edward Switlik  
IA2197076

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Date	Reg. number	Airframe s/n	Engine s/n	Tach	SMOH	Total	---
06/01/2018	N3716H	24-0911	L-21128-51A	2293.5	994.2	2293.5	---

Checked compression 1) 78/80, 2) 78/80, 3) 78/80, 4) 76/80. Drained oil. Replaced oil filter. Serviced with Aeroshell W 100 oil and Camguard additive. Cleaned, gapped, and rotated spark plugs. Checked magneto to engine timing. Cleaned fuel screen and fuel injectors. Complied with AD 2015-19-07 by inspection, due again at 2393.5. Replaced air filter. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A Richardson* John A Richardson 262536133 IA



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Reg. No.	Airframe s/n	Date	Engine s/n	Hobbs	A/C TT	SMOH	Cycles
N3716H	24-0911	9/3/2019	L-21128-51A	2315	2315	1012.7	

Model IO-360-A3B6D Eng. TT. 2315

Inspected engine installation. Changed oil and filter. Serviced oil sump with Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Checked mag timing and inspected ignition harness. Cleaned fuel injection nozzles and screen. C/W AD2015-19-07 inspected fuel injection lines and clamps. Replaced air filter element. Inspected exhaust system. Compressions #1, 76/80, #2, 74/80, #3, 76/80, #4, 76/80. Ground run and operational checked. Checked AD compliance thru BW19-18. I have inspected this engine in accordance with an Annual Inspection and have found it to be in airworthy condition.

Edward Switlik  
IA2197076

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Reg. No.	Airframe s/n	Date	Engine s/n	Hobbs	T.T.	S.M.OH.	Cycles
N3716H	24-0911	9/20/2019	L-21128-51A	2315	2315	1012.7	

Installed overhauled RSA-5AD1 fuel injector servo, p/n 2524054-11, new s/n 70118103. Flushed fuel system. Ground run and operational checked. I have inspected these repairs and have found it to be in airworthy condition.

Edward Switlik  
A&P2197076

70

12-23-2020

INSTALLED IAW MOONEY ANNUAL INSPECTION GUIDE PERFORMED  
COMPRESSION CK #1 <sup>75</sup>/<sub>80</sub> #2 <sup>76</sup>/<sub>80</sub> #3 <sup>73</sup>/<sub>80</sub> #4 <sup>61</sup>/<sub>80</sub> DRAINED OIL  
REPLACED MAIN FILTER, REFILLED WITH 4/QTZ AEROSHELL 16W50  
REPLACED AIR FILTER. CHECKED MAG T.NING, CLEANED + ROTATED  
PLUGS. INSPECTED EXHAUST SYSTEM COMPLIED AD 2015-19-07  
CK AD 206 FOR COMPLIANCE AIR CONTROLS LUBED & CHECKED

DATE 12-23-2020 REAL TIME 2315 1036 SMOH  
I CERTIFY THAT THIS ENGINE HAS BEEN  
INSPECTED IN ACCORDANCE WITH A  
ANNUAL INSPECTION AND WAS DETERMINE  
TO BE IN AN AIRWORTHY CONDITION

  
NATHANA KIMBLE 3077083 A&P/IA

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Mike's PMS Inc  
7201 South Airport Road Hangar 204  
PEMBROKE PINES Florida 33023  
305-542-0375

Make: Mooney  
Model: M20J  
Tail: N3716H  
S/N: 24-0911

e No.

Hours: Tach 2375.63

Left magneto drop, found bad spark plug. Removed and replaced spark plugs with new Champion spark plugs  
PN: RHM38E, ran engine found to be operating properly. Removed wing tip strobes and navigation lights and replaced  
with new AeroLEDs Pulsar NS12V DC NAV/ACS lights (pair) PN: 11-1280-B-12 and Sun Beacon II Red 12V DC PN: 11-  
2200-A-12 SN: M22969-016 checked for proper operation and returned to normal service.

Signed:

Name: Ernest Michael Jimenez

Cert: 3876000 A&P, IA

Date: 08/03/2021

Mike's PMS Inc  
7201 South Airport Road Hangar 204  
PEMBROKE PINES Florida 33023  
305-542-0375

Make: Mooney/Lycoming  
Model: M20J/IO-360-A3B6D  
Tail: N3716H  
S/N: 24-0911

Hours: Tach 2403.76 SMOH 1101.46

Engine Log Entry

Completed Annual Inspection in accordance with 14 CFR 91.409 (a,1)(b) and to the scope and detail of 14 CFR 43  
Appendix (D) and M20J MM checklist. Compression results #1 76/80 #2 70/80 #3 75/80 #4 76/80  
Removed cleaned, test and installed spark plugs. Changed engine oil and filter With a new AA44103-2 oil filter and 8qts  
Phillips Victory 100AW. Ran engine and found to be operating properly, no leaks found.

Completed AD search and complied with recurring AD's  
I certify this aircraft has been inspected IAW 14 CFR 91.409 (a,1) (b) and to the scope and detail of 14 CFR 43  
appendix (D) and found it to be airworthy for this Annual inspection and approved for return to normal service

Signed:

Name: Ernest Michael Jimenez

Cert: 3876000 A&P, IA

Date: 02/01/2022

Reg: N3716H TSOH: 1118.70 hrs Date: 07/09/2023  
Model: IO-360-A3B6D S/N: L21128-51A Tach: 2421.00 hrs

1. Performed annual inspection i/a/w Mooney SM and FAR Part 43, Appendix D.
2. Drained engine oil. Remove oil filter and cut for inspection. No discrepancies noted. Installed new oil filter and serviced engine with 8qts Phillips Victory.
3. Performed cylinder differential compression test readings (80psi reference, warm engine):  
MO: 44 #1: 74 #2: 73 #3: 75 #4: 73
4. Removed fuel gascolator for inspection. No discrepancies noted.
5. Removed spark plug for cleaning, regap, pressure test and resistance check. No discrepancies noted. Reinstalled alternating firing order. Verified magneto to engine timing.
6. Adjusted oil pressure to 85psi (hot and full power)
7. Replaced all cylinder pushrod housing seals to cylinder and engine case. Replaced all four intake and exhaust gaskets.
8. Ground run engine for performance and leak check. No discrepancies noted.
9. A list of AD compliance attached to aircraft files.

The aircraft and/or components identified above was repaired and inspected in accordance with current regulations of the FAA  
Title 14 CFR Parts 21, 43 and 91; and the maintenance described above is approved for return to service.

Carlos Oquet  
IA3432748

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DAT

Mike's PMS Inc  
7201 South Airport Road Hangar 204  
Pembroke Pines Florida 33023  
305-542-0375

Make: Mooney/Lycoming  
Model: M20J/IO-360-A3B6D  
Tail: N3716H  
S/N: 24-0911

Hours: Tach 2468.4 SMOH 1166.1

## Engine Log Entry

Completed Annual Inspection in accordance with 14 CFR 91.409 (a,1)(b) and to the scope and detail of 14 CFR 43 Appendix (D) and M20J MM checklist. Compression results #1 74/80 #2 70/80 #3 75/80 #4 75/80  
Removed cleaned, test and installed spark plugs. Changed engine oil and filter with new AA48103-2 oil filter and 8qts of Philips Victory 100AW. Found fuel pressure low 12.5PSI, removed and replaced fuel pump with OH pump  
PN:AF15473OH.

Ran engine and found to be operating properly, no leaks found. Not Charging troubleshoot charging system, found crossed wires on voltage regulator circuit and loose crimps on circuit breakers connections, causing CB to trip. Alternator and voltage regulator shorted. Removed and replaced alternator with overhauled alternator PN:ALX8521 S/N H-S021037 and serviceable regulator supplied by owner PN:R15300, replaced loose connectors and corrected wiring on regulator field, ran engine and found to be operating properly

Completed AD search and complied with recurring AD's

I certify this aircraft/engine has been inspected IAW 14 CFR 91.409 (a,1) (b) and to the scope and detail of 14 CFR 43 appendix (D) and found it to be airworthy for this Annual inspection and approved for return to normal service

Signed: 

Cert: 3876000 A&amp;P,IA

Name: Ernest Michael Jimenez

Date: 10/01/2024

Mike's PMS Inc  
7201 South Airport Road  
Hangar 204/301  
Pembroke Pines, Florida 33023

Make: Mooney  
Model: M20J  
Tail: N3716H  
S/N: 24-0911

Hours: 2477.0

Pilot reported rough running/loss of power on take off. Aircraft was brought in and cylinder compressions were checked and are as follows: CYL 1. (76/80) CYL 2. (72/80) CYL 3. (74/80) CYL 4. (76/80). Next, all spark plugs were removed, inspected, cleaned and tested for correct operation. Upon Visual inspection of Engine carbon build up was visible along the edge of the muffler heat shield. Heat shield was removed and muffler was found to be cracked and leaking. Further inspection would reveal the tail pipe was also cracked and in need of replacement. Exhaust Runners from cylinder head to muffler found to be in good condition. Complete exhaust assembly was removed and muffler and tailpipe were replaced with Brand new AWI P/n's: A630045-503, A630058-501. S/n's: 078293-000, 075734-000. 4 brand new exhaust gaskets and all new lock washers and exhaust nuts were used to install and mount exhaust along with New springs and bolts for tail pipe ball joint. Exhaust was Re-installed with new muffler and Tail pipe IAW Mooney M20J AMM SEC: 3-7, P.(3-9) and AC. 43.13-1B, 2B Acceptable Methods, Techniques and Practices. Mx Procedures Complied with. Operational Check and AC Run-Up performed, No Further defects found. Aircraft Returned to Normal Service.

Signed: 

Cert: 4734041 A&amp;P

Name: Michael Jimenez

Date: 03/07/2025

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