

# ENGINE MAINTENANCE RECORDS



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Toll Free 888 371-1371 ■ 918 371-3000 ■ FAX 918 371-3041 ■ Look us up at [www.overhaul.com](http://www.overhaul.com) ■ E-Mail: [info@overhaul.com](mailto:info@overhaul.com)  
FAA Certified Repair Station IAXR223L

#### LIMITED WARRANTY

To: Hutcherson Air Service  
Engine: Continental IO-520-BA  
Serial Number: 249664-R  
Work Order: 704123

Aircraft: Beech V35A  
Registration: N392S  
Tach or Hobbs:  
Date of Overhaul 8/25/04

AMERICA'S AIRCRAFT ENGINES, INC warrants this engine, to be free from defects in materials and workmanship by America's Aircraft Engines, Inc. for twenty four (24) months or 1000 hours, whichever occurs first. Accessories will be warranted by respective vendors.

This engine, excluding accessories, is further warranted to be free from defects in materials furnished by America's Aircraft Engines, Inc. until T.B.O. on a pro-rated basis on parts. For the purpose of calculating pro-ration, a minimum of 40 hours per month from the date of overhaul will apply. Replacement or repair of engine, component, or parts under this Limited Warranty will not extend the warranty period. Installation or removal cost are excluded under pro-rated portion. Cracked cylinders and cracked crankcases excluded from all warranty unless it can be determined that they are a direct result of improper assembly.

To exercise this Limited Warranty, America's Aircraft Engines, Inc. must be promptly notified of the discovery of any defect or failure by call or letter fully describing such defect or failure to:

America's Aircraft Engines, Inc.  
PO Box 582453 \* Tulsa, OK 74158  
918-371-3000

All warranty work is to be accomplished in Tulsa, Oklahoma by America's Aircraft Engines, Inc. Unless approval is granted in writing by America's Aircraft Engines, Inc. for work to be accomplished elsewhere or by anyone else, prior to commencement of such work. America's Aircraft Engines, Inc. reserves the right to furnish any or all parts thereof.

America's Aircraft Engines, Inc. is not responsible for any consequential loss associated with any failure or defect under this Limited Warranty and no allowance will be made for down time, loss of use, hotel, freight, transportation or any other incidental expense directly or indirectly associated with such defect or failure.

This Limited Warranty is expressly in lieu of all warranties and representations, expressed or implied in fact or by law including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. The work to which this Limited Warranty applies is deemed to have been accomplished in Tulsa, Oklahoma in a court of Competent Jurisdiction.

This Limited Warranty gives you specific rights and may be transferred only by express permission in writing by America's Aircraft Engines, Inc.



## ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. N392S

Engine Manufacturer Continental

Model IO-520-BA

Serial No. 249664-R

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |

(All applicable information must be filled in)

 **AMERICA'S**  
**AIRCRAFT ENGINES, INC.**

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
						TOTALS brought forward from previous page	
MAKE		Continental		MODEL		IO-520-BA	
SERIAL#		249664-R		DATE		8/25/04	
TIME SMOH		0.0		TOTAL TIME		815.29	
<p>America's Aircraft Engines, Inc. certifies that this engine has been disassembled, overhauled and tested in accordance with recommended procedures and all clearances and tolerances are within specified limits. Procedures and limits used are as contained in engine manufacturers overhaul manual number <b>X30039A</b></p> <p>America's Aircraft Engines, Inc. certifies the engine identified above was overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Following A.D.'s complied with <b>See Notes</b></p> <p>Pertinent details of the overhaul are on file at America's Aircraft Engines, Inc. work order number <b>704123</b></p> <p>Signed <u>Stephen D. Fowler</u> For America's Aircraft Engines, Inc. Authorized Signature PO Box 582453 Tulsa, OK 74158</p> <p>FORM AAE 101 CERTIFIED REPAIR STATION NO. IAXR223L</p>							
<p>CONTINENTAL IO-520-BA S/N: 249664-R W/O#: 704123 A.D. NOTES 8/25/04</p> <p>A.D. 77-13-22 R1 AMD 39-3188 C/W CRANKCASE INSPECTED BY CRANKCASE SERVICES, INC..</p> <p>A.D. 79-05-09 AMD 39-3426 C/W INSTALLED TCM KIT #642335K1A.</p> <p>A.D. 88-03-06 AMD 39-5888 N/A AFFECTED OIL FILTER NOT INSTALLED.</p> <p>A.D. 91-19-03 AMD 39-8030 N/A AFFECTED OIL FILTER NOT INSTALLED.</p> <p>A.D. 93-08-17 AMD 39-8565 N/A CORRECT OIL PICKUP TUBE INSTALLED.</p> <p>A.D. 93-10-02 AMD 39-8603 N/A NEW CYLINDER ASSEMBLIES INSTALLED.</p> <p>A.D. 93-16-15 AMD 39-8743 C/W FUEL PUMP DRIVE COUPLING #653359 INSTALLED.</p> <p>A.D. 95-21-15 AMD 39-9402 N/A OWNER/OPERATOR RESPONSIBILITY TO USE PROPER GRADE FUEL.</p> <p>A.D. 97-26-17 AMD 39-10260 C/W VAR CRANKSHAFT ULTRASONIC INSPECTED BY AIRCRAFT SPECIALTIES.</p> <p>A.D. 98-17-11 AMD 39-10713 N/A AFFECTED CRANKSHAFT NOT INSTALLED.</p> <p>A.D. 2000-23-21 AMD 39-11994 N/A AFFECTED CRANKSHAFT NOT INSTALLED.</p> <p>A.D. 2004-08-10 AMD 39-13579 N/A AFFECTED CYLINDER NOT INSTALLED.</p> <p><u>Stephen D. Fowler</u> STEPHEN D. FOWLER P 447629769</p>							
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11-01-2004				ENGINE TOTAL TIME 815.29 HRS. TACH READS 3752.49 HRS. RE-INSTALLED THIS "O" TSMOH BACK INTO THIS AIRCRAFT N3925 USING NEW MOTOR MOUNTS AND EXHAUST STACKS. AIRCRAFT GROUND RAN, LEAK AND FUNCTION CHECKED THEN TEST FLOWN ALRIGHT. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURERS MAINTENANCE MANUALS. <i>Larry Whitfill</i> ATP 465988071
12-08-2005				TACH READS 70.6 HRS., TSMOH 98.11 HRS. COMPRESSION CHECKS #1 $79/80$ , #2 $79/80$ , #3 $79/80$ , #4 $79/80$ , #5 $79/80$ , #6 $79/80$ , CLEANED, GAPPED, & SPARK CHECKED SPARKPLUGS, CLEANED FUEL NOZZLES, CLEANED FUEL CONTROL INTERNAL SCREEN, CHECKED & LUBED CONTROL CABLE ROD ENDS, CHECKED ELECTRICAL WIRING & FUEL LINES, CHECKED EXHAUST SYSTEM & HEATER MUFF, CHECKED ENGINE MOUNTS & STRUCTURE FOR CRACKS & LOOSE RIVETS, REPLACED BA-7112 FOAM AIR CLEANER FILTER, WASHED ENGINE, GROUND RAN LEAK & FUNCTIONED CHECKED ALRIGHT.
				I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDI- TION. <i>Larry Whitfill</i> ATP 465988071

HUTCHERSON AIR SERVICE  
HALE COUNTY AIRPORT PLAINVIEW, TEXAS 79072 1-800-293-5946  
FEB-14-2007 ENGINE: TCM IO-520 BA(2) SERIAL NO.: 249664-R  
TACH: 99.1 HRS. ENGINE TT: 941.9 HRS. TSMOH: 126.61 HRS.  
AIRCRAFT: N3925

COMPRESSION CHECKED AS FOLLOWS, #1-79/80, #2-79/80, #3-79/80,  
#4-79/80, #5-79/80, #6-79/80, CLEANED, GAPPED AND SPARK CHECKED  
SPARKPLUGS, CLEANED FUEL FUEL NOZZLES, CHECKED EXHAUST SYSTEM AND  
HEATER MUFF, CHECKED ALL ENGINE CONTROLS AND ELECTRIC WIRING,  
REMOVED AND SERVICED BATTERY, INSPECTED BATTERY BOX, REINSTALLED  
BATTERY, INSTALLED NEW BA-7112 FOAM AIR FILTER, NO APPLICABLE AD'S FOR  
THIS ENGINE AT THIS TIME. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  
IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE  
IN AIR WORTHY CONDITION. LARRY WHITFILL IA 3123144

*Larry Whitfill* 1A3123144





OF WORK PERFORMED—  
NO. OF PERSON PERFORMING WORK

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Eng Total Time 994.7 Time SMOH 179.4

Tach Time 151.9

Date July 7, 2010

Sig. *[Signature]*

Cert. # AIP2703029

Rocket Aviation Plainview, TX



Date: 10/30/2012; Aircraft: N392S; Type: BEECH; S/N: D8752

Tach 158.7 Engine Total 1001.5 SMOH 186.2

Tach 158.7 Engine Total 1001.5 SMOH 188.2  
100 hour inspection completed this date per Beechcraft checklist. AD Notes checked to date. Complied with 77-13-22 by inspection of the crankcase for cracks. Checked good. No other applicable AD Notes were found at this time on the engine. See the AD Note log for a complete AD Note status. Blowby Test 1 75/80 2 76/80 3 77/80 4 75/80 5 75/80 6 76/80. Clean, gap, and rotate the plugs. Changed the oil and replaced the oil filter. Cut the oil filter open and inspected. Checked good. Replaced the air filter. Cleaned the fuel injectors. Mag timing checked good. Checked the operation of all the controls. Checked the hose and wiring installations. Washed the engine down, ran up and checked for leaks. Leads to: that this Engine has been inspected in accordance with a 100 hr. Inspection and determined to be in Airworthy condition.

I certify that this Engine has been inspected in accordance with a 100 hr. Inspection and determined to be in Airworthy condition.

Eng Total Time 1001.5 Time SMOH 186.2 Tach Time 158.7

Date 10-30-12 Sig Ronny Robbins Cert# ACP 2021393  
Rocket Aviation, Plainview, TX

Rocket Aviation, Plainview, TX

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22 Nov. 13 1015.5 200.2 172.7 100 HR. INSPECTION COMPLETED THIS DATE AS PER FAR 43 APPENDIX D AND BEECH SERVICE MANUAL. MAG TIMING CHECKED, SPARK PLUGS SERVICED, FUEL SCREEN CLEANED, AIR FILTER REPLACED, PROP. GREASED. END —

Continental Compression Test

1 77/80 2 77/80 3 78/80  
4 77/80 5 78/80 6 78/80

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

Tach Time: 172.7 HR.  
Total Time: 1015.5 HR. 200.2 SmeH

Insp. [Signature]  
# 1A3424901

21 Nov. 14 1171.9 356.6 329.1 100 HR. INSPECTION COMPLETED THIS DATE AS PER FAR 43 APPENDIX D AND BEECH SERVICE MANUAL. BOTH MAGS REMOVED FOR INSPECTION AND POINT ADJUSTMENTS, SPARK PLUGS SERVICED, FUEL INJECTION NOZZLES CLEANED, FUEL SCREEN CLEANED, AIR FILTER REPLACED, PROP. DRESSED AND GREASED. END —

Continental Compression Test

1 76/80 2 75/80 3 78/80  
4 77/80 5 76/80 6 77/80

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

Tach Time: 329.1 HR.  
Total Time: 1171.9 HR.

Insp. [Signature]  
# 1A3424901

04/03/15 Tach reads 345.5 N392S Removed six (6) Continental fuel nozzles P/N 627335D13A and installed General Aviation Modifications, Inc. GAM injectors kit # GAD16A S/N 24602 as per STC #SE09217SC PMA # PQ821SW per Installation Procedure # IP-96-001 (Rev 005) dated 11-11-02. No change in weight and balance.

Ellis D. Medlen A&P 3467450

[Signature]

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4-1-16	1300.1	484.8	457.3	TOTALS brought forward from previous page
<p>Cleaned battery cables &amp; charged battery, removed r.t. &amp; left muffler and tail pipe assembly's and sent to Dawley Aircraft Exhaust in Burlington, Wis for overhaul or repair. (see Work order # 113617 dated 3-2-16)</p> <p>cleaned <del>prop</del> and replaced exhaust assembly's, cleaned gapped &amp; rotated spark plugs, oil &amp; filter not changed at this time, cleaned &amp; replaced injector nozzles, dressed prop, compression checked (#1) 70, (#2) 70, (#3) 70, (#4) 74 (#5) 74, (#6) 76/80. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.</p> <p><i>Elks O. Neale</i></p> <p>AP3467450 IA</p>				
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