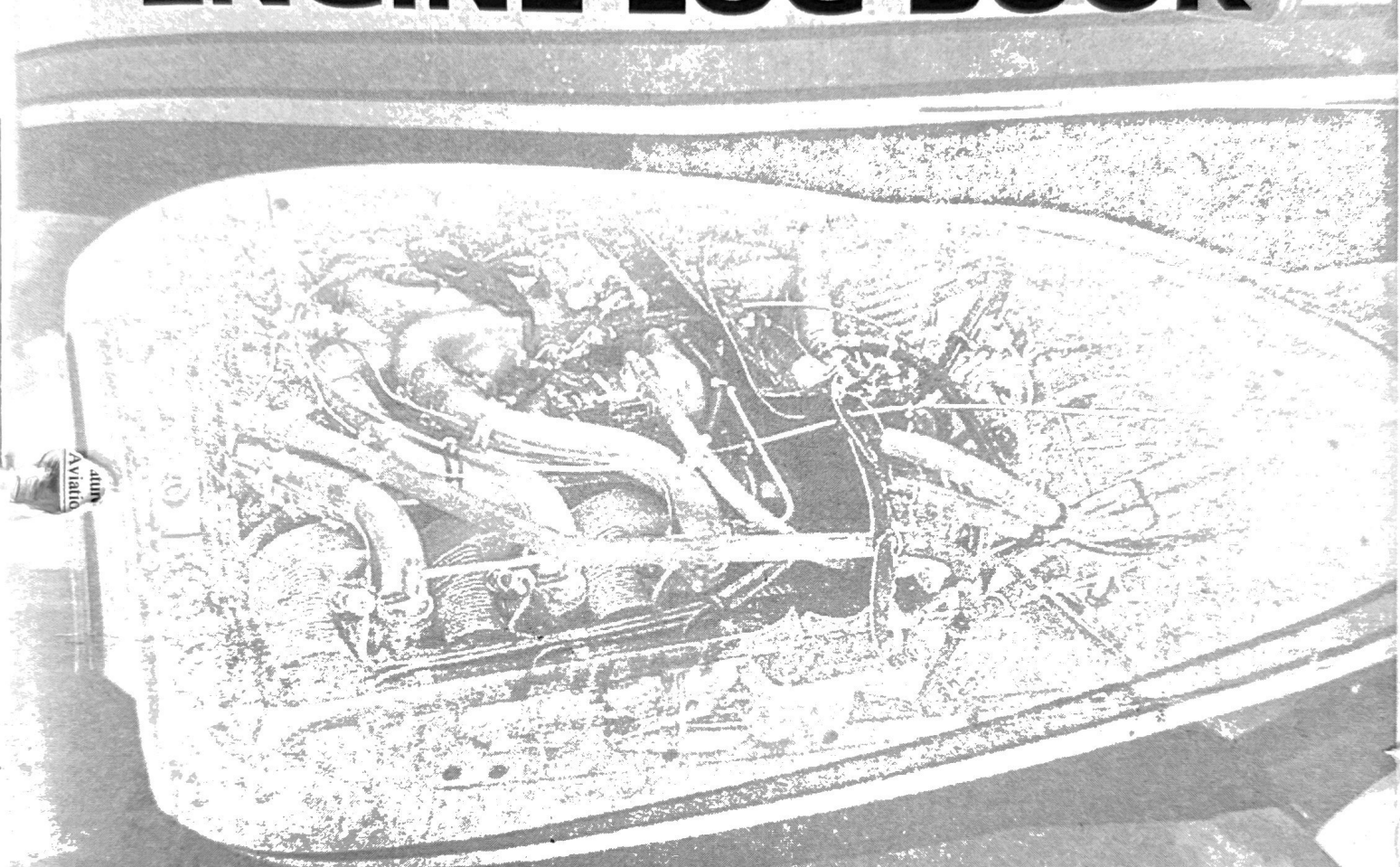


E-3357

# ENGINE LOG BOOK



## CONTINENTAL MOTORS

### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

### Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors  
Abbeville Industrial Park  
Suite 159  
Abbeville, AL 36310

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**

This engine model T0550B39, Serial No. 684660  
was manufactured on 7-9-00 by Teledyne Continental  
Motors in accordance with approved design data and the applicable  
requirements of Part 21 of the Federal Aviation Regulations. The approved  
design data for this engine incorporates all changes required by applicable  
Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



**TELEDYNE  
CONTINENTAL MOTORS**

An Allegheny Teledyne Company

Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service BulletinsEngine S/N 684660 installed on  
E-3357.*Robert Alliband*  
Robert Alliband  
FOR RAYTHEON AIRCRAFT CO.

1-15-00 0 0 0 0

CHANGED OIL AND FILTER  
WITH SHELL 65N.D. LEAK  
TEST - OK*Harry Allen* AP 3-7066517Raytheon A-36  
N355SA  
S/N:E-3357  
IO-550-B  
S/N:684660RAYTHEON AIRCRAFT SERVICES  
GREATER ROCKFORD AIRPORT, ROCKFORD, ILLINOIS 61109  
F.A.A. APPROVED REPAIR STATION NO. CGOR815C  
ENGINE LOG BOOK INSERTDATE:03-05-01  
WO:10665  
HM:45.6

1. CHANGED OIL & FILTER. CUT OPEN OLD FILTER AND CHECKED FOR CONTAMINATES, NONE FOUND. INSTALLED NEW CH48109 FILTER AND SERVICED WITH 11QT. 15 W 50 AEROSHELL OIL. WASHED DOWN ENGINE WITH SOLVENT GROUND RAN & LEAK CHECKED NORMAL.
2. PERFORMED BORESCOPE & COMPRESSION TESTS. COMPRESSION AS FOLLOWS #1 72/80 #2 71/80 #3 72/80 #4 74/80 #5 70/80 #6 71/80.

W.O. NO. 10665 Date 3-5-01

Signed *John H. White*Approved For Return To Service With Respect  
To The Work PerformedRAYTHEON AIRCRAFT SERVICES  
Greater Rockford Airport, Rockford, IL 61109  
F.A.A. Approved Repair Station No. CGOR815C

RAYTHEON A36  
N355SA  
S/N E-3357  
IO-550-B (39).  
S/N 684660

RAYTHEON AIRCRAFT SERVICES  
GREATER ROCKFORD AIRPORT, ROCKFORD, ILLINOIS 61109  
F.A.A. APPROVED REPAIR STATION NO. CGOR815C  
ENGINE LOG BOOK INSERT

DATE: 6-08-01  
WO: 10918  
HM / AFTT: 91.5  
ETT: 91.5

1. PERFORMED ANNUAL INSPECTION I/A/W BEECH FORM # 98-32227H AS APPROVED PER FAR 91.409(F)(3). TOOK OIL SAMPLE, SERVICED WITH 11 QT. 15W50 AEROSHELL OIL
2. A.D. NOTES & M.S.B'S. CHECKED THROUGH 2001-10 ISSUE. CURRENT LIST WITH MAINTENANCE RECORDS.
3. COMPRESSION TEST AS FOLLOWS #1. 71/80 #2 72/80 #3 73/80 #4 73/80 #5 67/80 #6 69/80. C/W TCM TOPCARE CHECKLIST FORM I/A/W SID 97-2.
4. C/W TCM CSB 01-1: FUEL PUMP INSPECTION & SEAL LEAK TEST. THIS ENGINE HAS A CURRENT PRODUCTION BASIC FUEL PUMP P/N OF 655243-4 S/N T0304 AND IS NOT AFFECTED BY THIS BULLETIN.
5. INSTALLED NEW THROTTLE CONTROL LINKAGE INTERCONNECT SPRING P/N 628371.
6. C/W SLICK SB 2-80C, 100 HR. EXTERNAL MAGNETO SYSTEM INSPECTION. ADJUSTED R/H MAGNETO TIMING TO 22\* BTC I/A/W MM 74-00-00.

I certify that this (aircraft) (engine) has been inspected in accordance with a Annual inspection and determined to be in airworthy condition. Pertinent details of this inspection are on file at this agency under work order No. 10918 Date 6-08-01

Signed [Signature] for

RAYTHEON AIRCRAFT SERVICES, Greater Rockford Airport, Rockford, Illinois 61109  
F.A.A. Approved Repair Station No. CGOR815C

RAYTHEON A-36  
N355SA  
S/N: E-3357  
IO-550-B  
S/N: 684660

RAYTHEON AIRCRAFT SERVICES  
GREATER ROCKFORD AIRPORT, ROCKFORD, ILLINOIS 61109  
F.A.A. APPROVED REPAIR STATION NO. CGOR815C  
ENGINE LOG BOOK INSERT

DATE: 11-09-01  
WO: 11324  
HM: 131.5

1. CHANGED OIL & FILTER. TOOK OIL SAMPLE. CUT OPEN OLD FILTER AND CHECKED FOR CONTAMINATES, NONE FOUND. INSTALLED NEW CH48109 FILTER AND SERVICED WITH 11QT. 15 W 50 AEROSHELL OIL. WASHED DOWN ENGINE WITH SOLVENT GROUND RAN & LEAK CHECKED NORMAL.

W.O. NO. <u>11324</u>	Date <u>11-09-01</u>
Signed <u>[Signature]</u>	
Approved For Return To Service With Respect To The Work Performed	
RAYTHEON AIRCRAFT SERVICES	
Greater Rockford Airport, Rockford, IL 61109	
F.A.A. Approved Repair Station No. CGOR815C	

Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

ight F

WO: 257671

REG #: N355SA

SN: E3357

Hobbs: 192.30

Date: 7/6/02

Engine TTSN: 192.30 TSO: 192.30

Elliott Aviation of the Quad Cities, Inc.

Quad City Airport

PO Box 100

Moline, IL 61266-0100

FAA CRS CGHR812C

**ENGINE LOG ENTRY**

1. Completed **Annual Inspection** this date using Raytheon Aircraft Beech Bonanza Series Maintenance Manual 100 hour inspection checklist as a guide. Performed compression test, results as follows: 1-80/72, 2-80/69, 3-80/77, 4-80/77, 5-80/67, 6-80/74.
2. Changed engine oil and filter. Cut open old filter and no abnormal deposits noted. Serviced engine with 12 quarts of Aeroshell 15W-50. Installed and saftied new CH48109 oil filter. Ran up and no leaks noted.
3. Removed fuel injection nozzles, cleaned, inspected, reinstalled and torqued.
4. Stars Code 710021. **Complied with AD 84-26-02**, effective date 1/29/85 induction air filters by installing a new induction air filter P/N 35-380035-7. Next air filter replacement is due within 500 hours or by 792.2 hours aircraft total time.

I certify this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition. Pertinent details are on file at this agency under the above noted work order number.

ELLIOTT AVIATION OF THE QUAD CITIES, INC.

QUAD CITY AIRPORT, MOLINE, IL

SIGNED

Gregory S. Kemp

FAA APPROVED REPAIR STATION # CGHR812C

WO: 257896

REG #: N355SA

SN: E-3357

Hobbs: 234.6

Date: 10/10/02

Elliott Aviation of the Quad Cities, Inc.

Quad City Airport

PO Box 100

Moline, IL 61266-0100

FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Changed oil & filter using 12 quarts Aeroshell 15W50 oil & CH48109E filter. Collected oil sample for analysis. Inspected old element for metallic particle contamination, none noted. Washed engine & cowl. Test ran & leak checked, no leaks noted at this time.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed. Pertinent details are on file under the noted work order number.

END

SIGNED

William L. Schneider

ELLIOTT AVIATION OF THE QUAD CITIES, INC.

FAA APPROVED CRS #CGHR812C

QUAD CITY AIRPORT, MOLINE, IL

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Br WO: 258475  
 REG #: N355SA  
 SN: E-3357  
 Hobbs: 308.7 ACTT: 308.7  
 Date: 07/10/03  
 Engine TTSN: 308.7

Elliott Aviation of the Quad Cities, Inc.  
 Quad City Airport  
 PO Box 100  
 Moline, IL 61266-0100  
 FAA CRS CGHR812C



### ENGINE LOG ENTRY

1. Completed **Annual Inspection** this date using Beechcraft approved inspection form as a guide.
2. Changed oil & filter using 12 quarts Aeroshell 15W50 oil & CH48109E filter. Collected oil sample for analysis. Inspected old element for metallic particle contamination, none noted. Washed engine & cowl. Test ran & leak checked, no leaks noted at this time.
3. Performed compression test, results as follows: 1) 62/80, 2) 60/80, 3) 68/80, 4) 55/80, 5) 70/80, 6) 71/80.
4. Replaced right hand magneto points with new PN M-3081. Adjusted points and timed mag to engine in accordance with maintenance manual. Operations checked normal.
5. Replaced induction air filter with new PN 35-380035-7.
6. Replaced left hand rear engine baffle with new PN 35-910067-289.
7. Researched applicable Airworthiness Directives & Airframe mandatory Service Bulletins, compliance at this time as follows: None

END

I certify this **Engine** has been inspected in accordance with an **Annual Inspection** and was Determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order # 258475 Date 07/10/03.

ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
 QUAD CITY AIRPORT, MOLINE, IL

SIGNED

FAA APPROVED REPAIR STATION # CGHR812C

Michael J. Saathoff for



WO: 258552  
 REG #: 355SA  
 SN: E-3357  
 Hobbs: 312.6  
 Date: 09/05/03

Elliott Aviation of the Quad Cities, Inc.  
 Quad City Airport  
 PO Box 100  
 Moline, IL 61266-0100  
 FAA CRS CGHR812C

### ENGINE LOG ENTRY

Installed Teledyne Continental Motors top overhaul kit, PN EQ7088, which includes overhauled cylinders, new pistons and pins, and new rings. Installed all 6 cylinders in accordance with Teledyne Continental Motors IO-550-B overhaul manual and Elliott Aviation in progress check list. Ground run engine and adjusted fuel flows in accordance with Teledyne Continental Motors SID 97-3A. Operational checked and leak checked all removed and reinstalled components. No discrepancies noted at this time.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed. Pertinent details are on file under the noted work order number.

END

SIGNED

ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
 FAA APPROVED CRS #CGHR812C  
 QUAD CITY AIRPORT, MOLINE, IL

Jeffrey W. Dean

Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

WO: 258552  
REG #: 355SA  
SN: E-3357  
Hobbs: 312.6  
Date: 09/05/03

Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Aircraft test flown this date for new cylinders installed and performed cylinder break in accordance with TCM directions.

All systems operating satisfactory this date 9/5/03 OK

Discrepancies noted, reference above noted work order for details NA

END

ELLIOTT AVIATION OF THE QUAD CITIES, INC.

SIGNED

QUAD CITY AIRPORT, MOLINE, IL

RATING

ATP

NUMBER 503 46 9/07

WO: 258552  
REG #: 355SA  
SN: E-3357  
Hobbs: 317.4  
Date: 09/05/03

Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Leak checked cylinder installations after flight, no leaks or other discrepancies noted. The test flight was done in accordance with TCM IO-550 Permold Service Overhaul Manual, section 19-20.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed. Pertinent details are on file under the noted work order number.

END

SIGNED

ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
FAA APPROVED CRS #CGHR812C  
QUAD CITY AIRPORT, MOLINE, IL

WO: 258668  
REG #: N355SA  
SN: E-3357  
Hobbs: 322.9  
Date: 09/23/03

Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Changed oil & filter using 12 quarts Phillips 20W50 oil & CH48109E filter. Collected oil sample for analysis. Inspected old element for metallic particle contamination, none noted. Washed engine & cowl. Test ran & leak checked, no leaks noted at this time.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed. Pertinent details are on file under the noted work order number.

END

SIGNED

ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
FAA APPROVED CRS #CGHR812C  
QUAD CITY AIRPORT, MOLINE, IL

Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Brought

WO: 258754  
REG #: N355SA  
SN: E-3357  
Hobbs: 346.0  
Date: 12/07/03



Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Drained engine oil and obtained sample for oil analysis. Removed oil filter, cut open and no abnormal deposits noted this date. Installed and saftied new filter, PN CH48109. Serviced engine with 12 quarts Aeroshell 15w50 oil. Ran engine and no leaks noted at this time.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed.

END

SIGNED

*Mitchell R. Fiedler*  
ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
FAA APPROVED CRS #CGHR812C  
QUAD CITY AIRPORT, MOLINE, IL

WO: 258986  
REG #: N355SA  
SN: E-3357  
Hobbs: 390.1  
Date: 06/03/04



Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

Changed oil & filter using 12 quarts Aeroshell 15W50 oil & CH48109 filter. Collected oil sample for analysis. Inspected old element for metallic particle contamination, none noted. Washed engine & cowl. Test ran & leak checked, no leaks noted at this time.

I certify this maintenance has been inspected and is determined to be in airworthy condition with respect to work performed. Pertinent details are on file under the noted work order number.

END

SIGNED

*Michael J. Saathoff*  
ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
FAA APPROVED CRS #CGHR812C  
QUAD CITY AIRPORT, MOLINE, IL

WO: 258992  
REG #: N355SA  
SN: E-3357  
Hobbs: 399.1 ACTT: 399.1  
Date: 07/16/04  
Engine TTSN: 399.1



Elliott Aviation of the Quad Cities, Inc.  
Quad City Airport  
PO Box 100  
Moline, IL 61266-0100  
FAA CRS CGHR812C

**ENGINE LOG ENTRY**

1. Completed **Annual Inspection** this date using Beechcraft inspection form as a guide.
2. Performed compression test, results as follows: 1) 76/80, 2) 76/80, 3) 77/80, 4) 73/80, 5) 72/80, 6) 74/80.
3. Adjusted mixture in accordance with maintenance manual directions, operations checked normal at this time.
4. Removed starter PN 646275-1 SN U-019672 and installed overhauled starter PN 646275-1 SN E040350 using new o-ring PN AS3578-03B. Operations and leak checked nor discrepancies noted at this time.
5. Complied with TCM SID 97-2B and 97-3B in accordance with TCM directions, no further discrepancies noted.
6. Researched applicable Airworthiness Directives & Airframe mandatory Service Bulletins, compliance at this time as follows: None

END

I certify this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order # 258992 Date 07/13/04.

ELLIOTT AVIATION OF THE QUAD CITIES, INC.  
QUAD CITY AIRPORT, MOLINE, IL

SIGNED

*Michael J. Saathoff*  
FAA APPROVED REPAIR STATION # CGHR812C

# MAINTENANCE RELEASE

Total Time

UNIT NAME Magneto

SERIAL NO. 00033139

Hrs.

PART NO. 6310

MFG. Slick

☐ OVERHAUL ☒ REPAIRED ☒ TESTED ☒ INSPECTED ☐ FUNCTIONAL TESTED

The Aircraft component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under work order # 5361

OWNER: Cardinal Aircraft DATE: 6-29-05 SIGNED FOR: Robert C. Beja

## R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K

5 HOBS + TOTAL 477 COMPLETED 100hr INSPECTION  
ON BENCH CHECK SHEET CHANGED OIL  
AND FILTER WITH SHELL 15W50. INSPECTED  
FILT AND FOUND CLEAN. CLEAN AND GAP  
SPARK PLUGS. Cylid comp #1-74 #2-72  
#3-72 #4-72 #5-71 #6-73. REMOVED  
AIR INLET FILTER AND CLEANED. REMOVED  
LT MAG for 500hr INSPECTION (SEE TAB).  
REINSTALLED MANIPULATED DRAIN HOSE. TIGHTEN  
ROCKER COIL SCREWS. ALL OTHER ROUTINE  
SERVICE ITEMS COMPLETED

I certify this ENGINE has been inspected  
in accordance with a 100hr  
inspection and was determined to be in  
airworthy condition.

I certify this ENGINE has been inspected  
in accordance with a 100hr  
inspection and was determined to be in  
airworthy condition.

James D. Phelan AIP1452215  
CARDINAL AIRCRAFT SERVICE  
CAMPBELL AIRPORT  
GRAYSLAKE, ILLINOIS 60030  
PH. 312-546-5150

Ray IA 79068709  
CARDINAL AIRCRAFT SERVICE  
CAMPBELL AIRPORT  
GRAYSLAKE, ILLINOIS 60030  
PH. 312-546-5150

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date 7-19-06  
Total Time  
Time Since Last Overhaul  
Hrs. Min. Hrs. Min.

Brought Forward

7-19-06 HOBBS + TOTAL 532

## MAINTENANCE RELEASE

UNIT NAME Magneto SERIAL NO. 00033136  
PART NO. 6310 MFG. Slick

☐ OVERHAUL ☒ REPAIRED ☒ TESTED ☒ INSPECTED ☐ FUNCTIONAL TESTED

The Aircraft component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under work order # 6331

OWNER Cardinal Aircraft DATE: 7-13-06 SIGNED FOR: Robert C. Began

### R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K

CARDINAL AIRCRAFT SERVICE  
CAMPBELL AIRPORT

CARDINAL AIRCRAFT SERVICE  
CAMPBELL

12-15-06 HOBBS 554 change oil and filter  
w/PL 30-546-5150. 39066509  
7-5-07 HOBBS AND TOTAL 587.9 Completed 100hr  
INSPECTION BORN CHECK SHOT. Change oil  
AND FILTER WITH SHOCK 15W50. CLEAN  
AND GAP SPARK PLUGS. Cycle comp #1-70 #2-70  
#3-70 #4-70 #5-70 #6-70. CLEANED AIR  
INTAKE FILTER. TIGHTENED AIR ROCKER  
COVER SCREWS. ALL OTHER ROUTINE SERVICE  
ITEMS COMPLETED.

I certify this ENGINE has been inspected  
in accordance with a 100hr  
inspection and was determined to be in  
airworthy condition.

CARDINAL AIRCRAFT SERVICE  
CAMPBELL AIRPORT  
GRAYS LAKE, ILLINOIS 60030  
PH. 812-546-5150

I certify this ENGINE has been inspected  
in accordance with a 100hr  
inspection and was determined to be in  
airworthy condition.

CARDINAL AIRCRAFT SERVICE  
CAMPBELL AIRPORT  
GRAYS LAKE, ILLINOIS 60030  
PH. 812-546-5150

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
7-19-06					
Brought Forward →					
7-19-06	HOBBS + TOTAL 532				
COMPUTED 100% INSP per BOEH CHECK SHEET. CHANGED OIL AND FILTER WITH SHEL 15W50. CLEAN AND GAP SPARK PLUGS. CYCL COMP #1-70 #2-72 #3-71 #4-70 #5-73 #6-74 REMOVED RT MAGNETO FOR 500hr INSP (SEE TAG). CLEANED AIR INLET FILTER. CLEANED FUEL SCREENS. ALL OTHER ROUTINE SERVICE ITEMS COMPLETED.					
I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100%</u> inspection and was determined to be in airworthy condition.			I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
[Signature] 390665305 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYS LAKE, ILL. 60030 PH. 312-546-5150			[Signature] 390665305 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYS LAKE, ILL. 60030 PH. 312-546-5150		
12-15-06	HOBBS 554		change oil and filter		
WITH SHEL 15W50. —————					
7-5-07	HOBBS AND TOTAL 587.9				
COMPUTED 100% INSP per BOEH CHECK SHEET. CHANGED OIL AND FILTER WITH SHEL 15W50. CLEAN AND GAP SPARK PLUGS. CYCL COMP #1-70 #2-70 #3-70 #4-70 #5-70 #6-70. CLEANED AIR INLET FILTER. TIGHTENED ALL ROCKER COVER SCREWS. ALL OTHER ROUTINE SERVICE ITEMS COMPLETED. —————					
I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100%</u> inspection and was determined to be in airworthy condition.			I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
[Signature] 390665305 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYS LAKE, ILLINOIS 60030 PH. 312-546-5150			[Signature] 390665305 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYS LAKE, ILLINOIS 60030 PH. 312-546-5150		

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward →					
7-17-08	HOURS + TOTAL 663		COMPLETION 100h		<p>INSIP per BOMM CHECK SHEET. CHANGED OIL AND FILTER AND ADD SHELL 15050. CLEAN AND GAPPED SPARK PLUGS. Cylid. #1-69 #2-71 #3-72 #4-70 #5-71 #6-74. ADJUSTED BOTH MAGNETO to ENGINE TIMING. TIGHTEN ALL ROCK PUMP SCREWS. CLEANED AIR FILTER. DUE FOR REPLACEMENT HOBS 808. ALL OTHER ROUTINE SERVICE ITEMS COMPLETE.</p>
<p>I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100h</u> inspection and was determined to be in airworthy condition.</p> <p><i>[Signature]</i> AEP 1174653 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYSLAKE, ILLINOIS 60030 PH. 847-546-5150</p>				<p>I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.</p> <p><i>[Signature]</i> AEP 1174653 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYSLAKE, ILLINOIS 60030 PH. 847-546-5150</p>	
7-16-09	HOURS - TOTAL 727		COMPLETION 160h		<p>INSIP per BOMM CHECK SHEET. CHANGED OIL &amp; FILTER WITH SHELL 15050. CLEAN &amp; GAP SPARK PLUGS. Cylid. COOP #1-66 #2-68 #3-70 #4-70 #5-68 #6-72. REPLACE AM FUEL FILTER. DUE NEXT 1227. INSTALL GAMMA INTAKE per STC SE 092175C. ADJUST TOP END FUEL PRESSURE to 26.6 CALLOW per horn. ALL OTHER ROUTINE SERVICE ITEMS COMPLETE.</p>
<p>I certify this <u>ENGINE</u> has been inspected in accordance with a <u>160h</u> inspection and was determined to be in airworthy condition.</p> <p><i>[Signature]</i> AEP 1174653 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYSLAKE, ILLINOIS 60030 PH. 847-546-5150</p>				<p>I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.</p> <p><i>[Signature]</i> AEP 1174653 CARDINAL AIRCRAFT SERVICE CAMPBELL AIRPORT GRAYSLAKE, ILLINOIS 60030 PH. 847-546-5150</p>	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

8-7-09 HOBBS 741 REMOVE AND REINSTALL BOTH MAGNETOS FOR 500hr INSPECTION (SEE TAGS) AP 39065309

9-15-09 INSTALL NEW IGNITION HARNESS BOTH MAGNETOS. AP 39065309

# MAINTENANCE RELEASE

UNIT NAME: Alternator SERIAL NO.: K020002.0  
 PART NO.: 649304 MFG.: TCM

☒ OVERHAUL ☒ REPAIRED ☒ TESTED ☒ INSPECTED ☐ FUNCTIONAL TESTED

The Aircraft component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under work order # 10415.

OWNER: Finefield Aviation DATE: 7-14-10 SIGNED FOR: Robert C. Beger

## R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

16-10

TSMOH

802.3

ed to be in airworthy  
 66/80, 4) 68/80, 5)  
 es. Installed new prop  
 and filter. Cut open old oil  
 : at ball joint to tighten  
 and gascolator screen.  
 d, tested and reinstalled  
 reinstalled using new  
 ened. Retorqued prop  
 e checked engine fuel  
 eledyne Continental  
 nem. AD is now  
 ound no lifters replaced  
 l time 1227 hrs.  
 d herein.  
 d AP 353483286 1A

## FINEFIELD AVIATION

### ENGINE LOG

A/C N#	MAKE	MODEL	A/C S/N	DATE: 1-3-11	HM	TSMOH
355SA	Beech	A36	E-3357	825.9		

Installed used serviceable spark plug in bottom of #5 cylinder. Cleaned spark plug lead ends for #5 cylinder.  
 Removed #5 fuel injector, checked and reinstalled. Pressure checked fuel injector connection and found no leak.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: James Finefield Printed Name: James Finefield AP 353483286 1A  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins	
Hrs.	Min.	Hrs.	Min.		
Brought Forward →					
8-7-09	HOBBS 741		REMOVE AND REINSTALL BOTH MAGNETOS FOR 500hr INSPECTION (SEE TAGS)		
				AP 390665309	
9-15-09	INSTALL NEW IGNITION HARNESS BOTH MAGNETOS.		AP 790665309		

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 7-16-10

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	802.3	802.3

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 67/80, 2) 71/80, 3) 66/80, 4) 68/80, 5) 66/80, 6) 72/80. Safetied #5 cylinder fuel injector line clamp at support. Dressed prop blades. Installed new prop governor rod end and checked rigging. Checked magneto timing to specs. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 10 qts. 15W50 Shell oil. Installed new hardware at ball joint to tighten left muffler. Tightened all induction and hose clamps. Cleaned both fuel controller screen and gascolator screen. Installed new inlet and inline filters in primary vacuum system. Removed, cleaned, gapped, tested and reinstalled spark plugs. Removed alternator p/n: 649304 mfg#K020002-0 for 500 hr inspection and reinstalled using new gasket. Tightened valve cover screws. Adjusted hold down clamps on magnetos and tightened. Retorqued prop blade hub bolt. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. Lubed controls and checked rigging. C/W AD 2009-19-07 Teledyne Continental EQ3 cylinders by inspection and found cylinder rocker cover bosses to have #649166 on them. AD is now satisfied. C/W AD 2010-11-04 Teledyne Continental lifters by log book inspection and found no lifters replaced in last year. AD is now satisfied. AD 84-26-02 Induction filter due for replacement at total time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 1A  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 1-3-11

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	825.9	

Installed used serviceable spark plug in bottom of #5 cylinder. Cleaned spark plug lead ends for #5 cylinder. Removed #5 fuel injector, checked and reinstalled. Pressure checked fuel injector connection and found no leak.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 1A  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward →					

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 7-16-11

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	843.6	843.6

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 64/80, 2) 70/80, 3) 72/80, 4) 69/80, 5) 72/80, 6) 74/80. Checked engine to magneto timing. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 10 qts. 15W50 Shell oil. Installed new pressure system inlet and inline filters. Removed fuel controller screen, cleaned, reinstalled and safetied. Removed fuel strainer screen, cleaned, reinstalled and safetied. Tightened valve cover screws, intake and exhaust stud nuts and bolts, hose clamps, induction tube clamps and EGT probe clamps. Cleaned and gapped spark plugs. Cleaned paper induction air filter. Lubed prop. Tightened tach generator cannon plug and safetied. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. Lubed controls and checked rigging. AD 84-26-02 Induction filter due for replacement at tach time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 1-19-12

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	884.3	

Changed oil and filter. Cut open old oil filter and found no contaminants. Added 10 qts. 15W50 Shell oil. Washed down engine. Removed oil relief valve, surfaced plunger, cleaned seat and reinstalled with new gasket. Adjusted oil pressure. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 7-18-12

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	895.9	895.9

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 66/80, 2) 70/80, 3) 69/80, 4) 62/80, 5) 68/80, 6) 62/80. Checked magneto timing to specs. Cleaned fuel controller screen. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 10 qts. 15W50 Aeroshell oil. Cleaned fuel strainer screen. Cleaned induction air filter. Tightened induction tube hose clamps. Cleaned, gapped and rotated spark plugs. Cleaned spark plug wire ends. Dressed prop blades. Lubed prop hub. Installed new vacuum system filters. Washed down engine. Lubed controls and checked rigging. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction filter is due for replacement at total time 1227 hrs. AD 2011-25-51 Teledyne Continental starter adapter D.N.A. due to model engine.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 7-11-13

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	923.7	923.7

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 67/80, 2) 74/80, 3) 75/80, 4) 71/80, 5) 74/80, 6) 74/80. Checked magneto timing to specs. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 10 qts. 15W50 Shell oil. Installed new vacuum pump pad drive seal and gaskets. Cleaned fuel controller screen. Tightened all rocker cover screws. Tightened all induction hose clamps. Cleaned induction air filter. Dressed prop blades. Greased prop hub with Shell #6 grease. Cleaned and gapped spark plugs. Replaced both instrument air filters. Tightened right tail pipe at muffler. Checked engine control rigging and lubed. Performed fuel pressure check of engine fuel system and found no leaks. Washed down engine. Ran up and checked for leaks found none. AD 84-26-02 Induction filter is due for replacement at total time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 9-25-13

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	936	

Removed existing Champion RHB32S spark plugs, gapped and installed new Tempest URHB32E spark plugs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 4-5-14

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	962.6	

Changed oil and filter. Took oil sample. Cut open old oil filter and found no contaminants. Serviced engine with 10 qts. 15W50 Shell oil. Washed down engine. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

### FINEFIELD AVIATION

#### ENGINE LOG

DATE: 7-26-14

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
355SA	Beech	A36	E-3357	982.2	982.2

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 68/80, 2) 70/80, 3) 70/80, 4) 72/80, 5) 71/80, 6) 72/80. Checked magneto timing to specs. Greased prop hub with Aeroshell #6 grease. Changed oil and filter. Cut open old oil filter and found no contaminants. Serviced engine with 10qts. 15W50 Shell oil. Installed new instrument filters. Cleaned fuel controller inlet screen. Removed, cleaned, inspected, rotated and installed spark plugs. Cleaned spark plug wire ends. Tightened rocker cover screws. Checked induction hose clamps for tightness. Installed a new air conditioning belt and tightened to specs. Cleaned paper induction air filter. Dressed prop blades. Lubed controls and checked rigging. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction filter is due for replacement at total time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward

**FINEFIELD AVIATION**

**ENGINE LOG**

A/C N#	MAKE	MODEL	A/C S/N	DATE: 4-27-15	
355SA	Beech	A36	E-3357	HM	TSMOH
				1023.1	

Changed oil and filter. Took oil sample. Cut open old oil filter and found no contaminants. Serviced engine with 10qts. 15W50 Shell oil. Washed down engine. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

**FINEFIELD AVIATION**

**ENGINE LOG**

A/C N#	MAKE	MODEL	A/C S/N	DATE: 8-18-15	
355SA	Beech	A36	E-3357	HM	TSMOH
				1036.1	1036.1

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 50/80, 2) 66/80, 3) 66/80, 4) 64/80, 5) 68/80, 6) 70/80. Checked magneto timing to Beech specs. Removed #1 cylinder, sent to Poplar Grove Airmotive for repair and reinstalled using new piston rings, seals and gaskets. Removed the vacuum pump drive pad and replaced the drive seal and gasket and reinstalled. Installed an overhauled Rapco 216CW vacuum pump s/n: 165146 using a new gasket. Installed new vacuum system filters. Removed fuel controller screen, cleaned, reinstalled and safetied. Tightened valve cover screws. Changed oil and filter. Cut open old oil filter and found no contaminants. Serviced engine with 10 qts. 15W50 Shell oil. Removed starter p/n: 646276-1R s/n: E043050, for repair and reinstalled using a new o-ring. Removed paper induction air filter, cleaned and reinstalled. Dressed prop blades. Tightened intake hose clamps. Tightened intake and exhaust flange nuts and bolt. Cleaned spark plug wire ends. Removed spark plugs, cleaned, gapped, inspected and reinstalled. Lubed prop hub. Installed a serviceable baffle support bracket at starter. Removed all lifters from service due to the start of pitting and installed new lifters. Installed valve covers and push rod housings using new gaskets and seals. Lubricated the engine controls and checked rigging. Pressure checked fuel system and found no leaks. Ran up and checked for leaks found none. Washed down the engine. AD 84-26-02 Induction filter is due for replacement at total time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

**FINEFIELD AVIATION**

**ENGINE LOG**

A/C N#	MAKE	MODEL	A/C S/N	DATE: 8-10-16	
355SA	Beech	A36	E-3357	TACH	TSMOH
				1118.9	1118.9

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 72/80, 2) 70/80, 3) 76/80, 4) 71/80, 5) 69/80, 6) 74/80. Checked magneto timing to specs. Changed oil and filter. Cut open old oil filter and found no contaminants. Serviced engine with 11 qts. 15W50 Shell oil. Dressed prop blades. Tightened all rocker cover screws. Greased prop hub using Shell #6 grease. Tightened all induction hose clamps. Cleaned fuel controller screen. Removed right exhaust stack, sent for repair and reinstalled. Cleaned induction air filter. Replaced instrument air filters. Cleaned and gapped spark plugs. Tightened air conditioning belt. Washed down engine. Lubed controls and checked rigging. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction filter due at total time 1227 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Brought Forward

**FINEFIELD AVIATION****ENGINE LOG**

DATE: 4-25-17

A/C N#	MAKE	MODEL	A/C S/N	TACH	TSMOH
355SA	Beech	A36	E-3357	1168.3	

Changed oil and filter. Took oil sample. Cut open old oil filter and found no contaminants. Serviced engine with 10 qts. 15W50 Shell oil. Washed down engine. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

**FINEFIELD AVIATION****ENGINE LOG**

DATE: 9-16-17

A/C N#	MAKE	MODEL	A/C S/N	TACH	TSMOH
355SA	Beech	A36	E-3357	1175.3	1175.3

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 72/80, 2) 68/80, 3) 72/80, 4) 64/80, 5) 72/80, 6) 74/80. Installed a new battery cooling duct. Removed fuel controller fuel screen, cleaned, inspected, installed and safetied. Changed oil and filter. Took oil sample. Cut open old filter and found no contaminants. Serviced engine with 10 qts. 15W50 Shell oil. Replaced instrument air inbound air filter. Serviced propeller with Shell #6 and installed missing lubri caps. Installed a new fuel controller cooling duct. Tightened induction hose clamps. Checked magneto timing to specs. Tightened rocker cover screws. Tightened all hose clamps. Checked operation of Tanis heater system, ok. Checked starter brushes, ok. Replaced instrument air inline filter. Removed spark plugs, cleaned, inspected, gapped, rotated, installed and torqued. Lubed engine controls and checked rigging. Pressure checked engine fuel system and found no leaks. Washed down engine. Ran up and checked for leaks found none. C/W AD 84-26-02 Induction filter by replacement. Due again for replacement in 500 hrs. AD 2017-04-06 Continental Motors Inc. ECI cylinders D.N.A. due to Continental cylinders being installed. AD is now satisfied.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

**FINEFIELD AVIATION****ENGINE LOG**

DATE: 5-18-18

A/C N#	MAKE	MODEL	A/C S/N	TACH	TSMOH
355SA	Beech	A36	E-3357	1216.6	

Installed and tensioned a new air conditioning compressor belt. Charged air conditioning system.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

Date		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record					
		Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
ht Forward						FINEFIELD AVIATION				DATE: 10-4-18	
ENGINE LOG											
A/C N#		MAKE		MODEL		A/C S/N		TACH		TSMOH	
355SA		Beech		A36		E-3357		1228		1228	
<p>I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 75/80, 2) 68/80, 3) 68/80, 4) 68/80, 5) 68/80, 6) 72/80. Checked magneto timing to specs. Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 10 qts. 15W50 Shell oil. Installed new instrument system inlet and inline filters. Removed fuel controller screen, cleaned, reinstalled with a new gasket and safetied. Removed spark plugs, cleaned, gapped, reinstalled and torqued. Cleaned spark plug wire ends. Tightened intake and exhaust flange nuts and bolts. Tightened induction hose clamps. Removed paper induction air filter, cleaned and reinstalled. Tightened valve cover screws. Dressed prop blades. Tightened air conditioning belt. Removed magnetos for 500 hr. inspection; Left magneto Slick 6310 s/n: 00033136, right magneto Slick 6310 s/n: 00033139. Reinstalled the magnetos and timed to engine using new drive rubbers and gaskets. Fabricated six new engine fluid carrying hoses reusing old fittings and firesleeve and 3 hoses made up by RLB Accessory. Lubed prop using Aeroshell 6grease. Checked starter brushes. Installed a new section of vinyl fuel drain hose when the standby dry air pump assembly was removed for nose gear door hinge bushing replacement. Raised the right tailpipe at the hangar and retightened the clamp bolt. Tightened the right tailpipe at the hangar. Checked the engine control rigging and lubricated. Performed an engine fuel system pressure check and found no leaks. Washed down the engine. Ran up and checked for leaks found none. AD 84-26-02 Induction filter is due for replacement in 447.3 hrs.</p> <p>This aircraft has been found airworthy for return to service with respect to the work described herein.</p> <p>Authorized Signature: <i>Jim Finefield</i> Printed Name: James Finefield AP 353483286 IA For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858</p>											

## Finefield Aviation

ENGINE Log

Serv Date: 5/14/19

4023

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	1244.2	0	0	0

Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 10 qts. 15W50 Shell oil. | Washed down engine. | Ran up and checked for leaks found none. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858 4023

## Finefield Aviation

ENGINE Log

Serv Date: 10/16/19

4008

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	1248.6	1248.6	1248.6	1248.6

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual. Compression test: 1) 76/80, 2) 68/80, 3) 72/80, 4) 68/80, 5) 72/80, 6) 74/80. | Checked magneto timing to specs. | Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 10 qts. of 15W50 Shell oil. | Tightened valve cover screws. | Cleaned, gapped and reinstalled spark plugs. | Removed fuel controller screen, cleaned, reinstalled and safetied. | Cleaned paper induction air filter and reinstalled. | Tightened intake and exhaust flange nuts and bolts. | Cleaned and installed spark plug wire ends. | Tightened induction hose clamps. | Lubed prop hub. | Dressed prop blade leading edges. | Washed down engine. | Replaced instrument inlet and inline air filters. | AD 84-26-02 Induction filter is due for replacement in 426.7 hrs. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858 4008

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins	
	Hrs.	Min.	Hrs.	Min.		
Brought Forward						

**Finefield Aviation**
**ENGINE Log**

Serv Date: 10/21/20

4311

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	1291.8	1291.8	1291.8

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual. Compression test: 1) 78/80, 2) 69/80, 3) 70/80, 4) 70/80, 5) 72/80, 6) 74/80. | Checked magneto timing to specs. | Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 10qts. 15W50 Shell oil. | Tightened rocker cover screws. | Cleaned paper induction filter and reinstalled. | Tightened intake and exhaust flange nuts and bolts. | Lubed prop hub with Aeroshell 6 grease. | Cleaned, gapped, inspected, installed and torqued spark plugs. | Cleaned and installed spark plug wire ends. | Removed fuel controller screen, cleaned, reinstalled and safetied. | Tightened induction hose clamps. | Removed the intercooler hose to gain access to right rear engine Lord mount heat shield, loosened and positioned correctly the heat shield and torqued the engine lord mount. | Lubed upper cowl controls. | Dressed propeller blade leading edges. | Checked starter brushes, checked ok. | Washed down engine. | Ran up and checked for leaks found none. | Pressure checked engine fuel system and found no leaks. | Lubed engine controls and checked rigging. | AD 84-26-02 Induction filter is due for replacement in 383.5 hrs. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 6399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

4311

**Finefield Aviation**
**ENGINE Log**

Serv Date: 10/22/21

4618

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	1348.1	1348.1	1348.1

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual. Compression test: 1) 72/80, 2) 65/80, 3) 72/80, 4) 68/80, 5) 64/80, 6) 70/80. | Installed new #2 cylinder fuel injector o-rings and washer. Leak check ok. | Checked magneto timing to specs. | Cleaned fuel controller screen, reinstalled and safetied. | Tightened rocker cover screws. | Greased prop hub with Aeroshell #6. | Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11 qts. of 15W50 Shell oil. | Installed new instrument inline and inlet filters. | Installed 6 new Tempest spark plugs. | Removed alternator s/n: 029316 from service and installed an overhauled alternator p/n: BC410-1 s/n: 0631954X. Ran up and checked operation, checked ok. | Washed down engine. | Ran up and checked for leaks found none. | Lubed engine controls and checked rigging. | Pressure checked engine fuel system and found no leaks. | AD 84-26-07 Induction filter is due for replacement in 327.2 hrs. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 6399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

4618

Date	Total Time	Time Since Last Overhaul	<b>Engine Service Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
	Hrs.	Min.	Hrs.	Min.		

<b>Finefield Aviation</b>	<b>ENGINE Log</b>	<b>Serv Date: 12/20/22</b>	<b>4914</b>
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Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	1379.2	1379.2	1379.2

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual. Compression test: 1) 64/80, 2) 64/80, 3) 64/80, 4) 60/80, 5) 52/80, 6) 66/80. Boroscoped all cylinders and found no abnormalities. | Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11 qts. of 15W50 Aeroshell oil. | Installed new instrument system inline and inlet filters. | Checked magneto timing to specs. | Removed fuel controller screen, cleaned, reinstalled and safetied. | Tightened induction hose clamps. | Tightened pressure air system hose clamps. | Lubed prop hub with Aeroshell #6 grease. | Dressed propeller blade leading edges. | Cleaned paper induction air filter and reinstalled. Filter due for replacement in 296.1 hrs. | Checked starter brushes, ok. | Cleaned, gapped, inspected and reinstalled spark plugs. | Cleaned and installed spark plug wire ends. | Removed cowl flaps and reinstalled properly. | Lubed wastegate with mouse milk and operated. | Lubed engine controls and checked rigging. | The turbo charger tail pipe clamp must be replaced by 8-2024 or at hobbs time 1683.1 hrs. whichever comes first I.A.W. Tornado Alley turbo Inc. | Removed primary alternator for 500 hr inspection p/n: 649304 s/n: K020002. Reinstalled repaired alternator using a new gasket. | Washed down engine. | Ran up and checked for leaks found none. | Pressure checked engine fuel system and found no leaks. | AD 84-26-02 Induction filter is due for replacement in 296.1 hrs. | C/W S/B 18-04A Continental Motors Inc. inspection of thru bolt flanged nuts with (ZB) stamped on them. Found no stamped nuts. S/B is now satisfied. | The turbocharger tail pipe clamp must be replaced by 8/2024 or at 1683.1 hrs. whichever comes first I.A.W. Tornado Alley turbo Inc. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

4914

<b>Finefield Aviation</b>	<b>ENGINE Log</b>	<b>Serv Date: 5/17/23</b>	<b>5018</b>
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Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	1401.6	0	0	1401.6

Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 10 qts. of 15W50 Shell oil. | Ran engine and serviced airconditioning system with 3 cans of freon. | Washed down engine. | Ran up and checked for leaks found none. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Justin Finefield* Printed Name: Justin Finefield AP: 3107379IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

5018

<b>Finefield Aviation</b>	<b>ENGINE Log</b>	<b>Serv Date: 8/9/23</b>	<b>5087</b>
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Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	0	0	1406.2

Air conditioning is not blowing out cold air. Found fitting on compressor leaking and loose. Removed hose fitting and found o-ring broken. Replaced o-ring and reinstalled hose and tightened. Connected aircraft gauges to high and low side and serviced airconditioning system with freon while engine was running. |

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Justin Finefield* Printed Name: Justin Finefield AP: 3107379IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

5087

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

Finefield Aviation

ENGINE Log

Serv Date: 10/9/23

5150

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	1408.6	1408.6	1408.6

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual.Compression test: 1) 70/80, 2) 64/80, 3) 62/80, 4) 72/80, 5) 65/80, 6) 72/80. | Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11 qts. of 15W50 Shell oil. | Checked magneto timing to specs. | Tightened rocker cover screws. | Tightened intake and exhaust nuts and bolts. | Cleaned induction filter and reinstalled. | Cleaned fuel controller screen, reinstalled and safetied. | Tightened induction tube hose clamps. | Cleaned, inspected, gapped and reinstalled spark plugs. | Replaced instrument inlet and inline filters. | Greased prop hub with Aeroshell #6 grease. | Dressed propeller blade leading edges. | Air conditioning hose fitting is leaking at flare fitting. Found hose fitting loose. Tightened base and serviced air conditioner with 3 cans of freon 134A. | Washed down engine. | Ran up and checked for leaks found none. | Lubed engine controls and checked rigging. | Pressure checked engine fuel system and found no leaks. | AD 84-26-02 Induction filter is due for replacement in 266.7 hrs. | AD 2001-08-08 The turbocharger tail pipe clamp must be replaced by 8/2024 or at 1653.7 hrs whichever comes first I.A.W. Tornado Alley turbo Inc. | AD 2023-02-12 Continental Aerospace Technologies crankshaft counterweight retaining rings D.N>A. to engine due to not having been disassembled for snap ring access in last 3 years. | AD 2023-09-09 V-band coupling at turbo charger tailpipe D.N.A. due to clamps being in compliance to AD 2001-08-08 based on chapter 2 paragraph (d)(6). | AD 2023-05-16 Continental Aerospace Technologies Inc. intake valves D.N.A. due to cylinders not being off in last 4 years. |

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

5150

Finefield Aviation

ENGINE Log

Serv Date: 5/23/24

5359

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	0	0	1431.6

Changed oil and filter. Cut open old oil filter and found no metal contaminants. Serviced engine with 11 qts. of 15W50 Shell oil. | Washed down engine. | Ran up and checked for leaks found none. |

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Justin Finefield* Printed Name: Justin Finefield AP: 31073791A

Finefield Aviation

ENGINE Log

Serv Date: 9/23/24

5423

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
355SA	BEECH-A36	E-3357	0	1437	1437	1437

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual.Compression test: 1) 66/80, 2) 63/80, 3) 66/80, 4) 73/80, 5) 64/80, 6) 71/80. | Checked magneto timing to specs. | Removed Hartzell propeller p/n: PHC-C3YF-1RF s/n: EE3613B sent to Tiffin Aire for overhaul and reinstalled. | Tightened rocker cover screws. | Tightened intake and exhaust nuts and bolts. | Tightened induction tube hose clamps. | Removed, cleaned, inspected fuel controller, reinstalled and safetied. | Lubricated turbo wastegate with mouse milk. | Replaced primary instrument filters. | Removed spark plugs, cleaned, gapped, inspected, reinstalled and torqued. | Removed, cleaned, inspected and installed spark plug leads. | Washed down engine. | Ran up and checked for leaks found none. | Lubed engine controls and checked rigging. | Pressure checked engine fuel system and found no leaks. | AD 84-26-02 Induction filter is due for replacement in 238.3 hrs. | AD 2001-08-08 The turbocharger tail pipe clamp must be replaced by total time of 1837 hrs. | AD 2023-09-09 V band coupling at turbocharger tailpipe D.N.A. due to clamps being in compliance to AD 2001-08-08 based on chapter 2 paragraph (d)(6). |

This aircraft has been found airworthy for return to service with respect to the work described herein.  
 Authorized Signature: *Jim Finefield* Printed Name: James Finefield AP 353483286 IA  
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

5423