

ENGINE LOG BOOK



Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors, Inc.

Production Certificate 508

Printed: 2/7/2013

Test Date: 2/5/2013

This engine model I0360ES25B , serial number 1007849 was manufactured by Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

Thomas Howard

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Southeast Aero Services Inc.

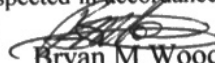
St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(25)B s/n:1007849 N101BE

8-19-13 Hobbs:121.7hrs Engine Total Time:98.6hrs Completed a 100hr inspection in accordance with Chapter 05-20 Cirrus SR20 Maintenance Manual inspection checklist this date. Oil drained filter removed and contents examined no contaminates. New filter installed and engine serviced to capacity with Aeroshell W-100 oil and ASL Cam Guard. Compression checked as follows: 1)69/80 2)69/80 3)68/80 4)72/80 5)64/80 6)71/80. TCM Master Orifice reading 43/80. Removed fuel injector nozzles, cleaned and reinstalled using new packing/seals throughout. Cleaned gapped and rotated sparkplugs. AD's checked thru FAA Bi Weekly 2013-16. No AD's due at this time. Installed new exhaust riser assembly #6 cylinder location. Torque left/right exhaust ball joint hardware. Installed new induction air filter element. Performed TCM SID 97-3F. Engine ran and systems function check normal.

I certify this Engine has been inspected in accordance with a 100hr inspection and was determined to be in Airworthy condition at this time.


Bryan M Wood A&P3216290

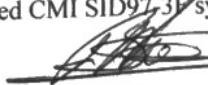
Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(25)B s/n:1007849 N101BE

11-13-13 Hobbs:202.0hrs Engine Total Time:164.7hrs Completed CMI SB13-4A Fuel pump inspection. Installed new engine driven fuel pump p/n:649368-74A4, s/n:B13JA171 (see 8130-03 dated 11-8-13). Performed CMI SID97-3F systems function check normal


Bryan M Wood A&P3216290

1. Approving Civil Aviation Authority/Country: FAA/United States		2. Authority/Country: FAA/United States		3. Form Tracking Number: 371555	
4. Organization Name and Address: Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615		PC #998		5. Work Order/Contract/Invoice Number: 430737 0000159170	
6. Item: 1	7. Description: KIT - STARTER ADAPTER FREON	8. Part Number: EQ7536	9. Quantity: 3	10. Serial Number: N/A	11. Status/Work: NEW
12. Remarks: AIRWORTHINESS APPROVAL					
13a. Certify the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.					
13b. Authorized Signature: <i>Daniel L. Nicholas</i>		13c. Approval/Authorization No.: 500357431		14. Other regulations specified in Block 12: Other regulations specified in Block 12.	
13d. Name (Typed or Printed): Daniel L. Nicholas		13e. Date (dd/mm/yyyy): 03/Nov/2014		14a. Approval/Certificate No.: 14b. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.					
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.					
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

Total Time

Time Since Last Overhaul

Engine Service and Maintenance Record

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(25)B

s/n:1007849

N101BE

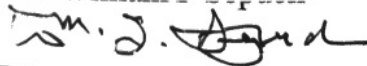
12-27-13 Hobbs:246.4hrs Engine Total Time:200.9hrs Completed a 100hr inspection in accordance with Chapter 05-20 Cirrus SR20 Maintenance Manual inspection checklist this date. Oil drained filter removed and contents examined no contaminates. New filter installed and engine serviced to capacity with Aeroshell W-100 oil and ASL Cam Guard. Compression checked as follows: 1)72/80 2)74/80 3)72/80 4)74/80 5)65/80 6)57/80. TCM Master Orifice reading 43/80. Cleaned gapped and rotated sparkplugs. AD's checked thru FAA Bi Weekly 2013-25. No AD's due at this time. Installed new induction air filter element. Performed TCM SID 97-3F. Engine ran and systems function check normal. I certify this Engine has been inspected in accordance with a 100hr inspection and was determined to be in Airworthy condition at this time.


Bryan M Wood A&P3216290

3-24-2014 Hobbs:367.3 Engine Total Time 301.0

Inspected Engine IAW FAR 43 append. "D" and utilizing Cirrus check list, the Compression was found to be #1 72/80 #2 70/80 #3 70/80 #4 72/80. #5 70/80 #6 70/80. Removed oil and filter installed new Filter and 8qts of Aerochell 100. Checked throw on Throttle and Fuel Mixture control cables, Inspected muffler and shield for cracks, removed all Spark Plugs, cleaned checked gap, reinstalled and torque to 30ft lbs. Checked exhaust stacks, crank case, engine mounts, and all fuel and oil lines. Ground Run Engine both Low RPM and High RPM found no leaks and all pressures and temps appear normal. AD's checked thru FAA Bi-Weekly and found no AD's due at this time. I certify that this Engine complies with an 100hr inspection and is in a Airworthy condition this Date.... William F Senuch

A/P I/A 3057515



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	



6/6/2014
4701 N.E. 40h TERRACE
GAINESVILLE, FL 32609

N: 585TC ENGINE
MAKE CONTINENTAL
MODEL: IO-360-K
S/N:
TACH: TT 400
W/O#:

- 1) Compression @ 80 PSI 1)72 2)76 3)76 4)74 5)66 6)62
- 2) Changed oil and filter serviced 8 quarts aeroshell 100W
- 3) Inspected old oil filter element washed down and leak checked engine
- 4) Cleaned gapped and tested all spark plugs replaced \$6 lower plugs with RhM38-E
- 5) Installed new induction air filter
- 6) Cylinder bore scope satisfactory
- 7) Checked fuel system per SID 97-3

I certify this engine has been inspected in accordance with a 100 hour inspection using the manufacturer's recommendations and current Federal Air Regulations as guidelines. This engine was found to be in an airworthy condition and is approved for return to service.

R Scott Lambert AP 3300566



9/12/2014
4701 N.E. 40h TERRACE
GAINESVILLE, FL 32609

N: 585TC ENGINE
MAKE CONTINENTAL
MODEL: IO-360-ES
S/N:
TACH: TT 500.6
W/O#:

- 1) Compression @80 PSI MO reading (49) 1)72 2)74 3)72 4)70 5)56 6)60
- 2) Changed oil and filter serviced 8 quarts aeroshell 100W
- 3) Inspected old oil filter element washed down and leak checked engine
- 4) Complied with magneto 500 hour IRAN installed new point and new distributor carbon brushes each magneto reinstalled and timed to engine
- 5) Installed new set URHM-38E spark plugs
- 6) Adjusted A/C drive belt tension
- 7) Set fuel system per SID 97-3 note high end fuel flow was 2 gallons low before adjustment

I certify this engine has been inspected in accordance with a 100 hour inspection using the manufacturer's recommendations and current Federal Air Regulations as guidelines. This engine was found to be in an airworthy condition and is approved for return to service.

R Scott Lambert AP 3300566

Item #: 649368-74A4
Serial #: B14EA171
Shp Ord #: 221040
Manf. Date:

 MAY 2014

PURGED

Engine Service and Maintenance Record

maintenance actions including engine part removal and
ion and compliance with inspections, Airworthiness Directives,
Inspections, Modifications and Service Bulletins



10/15/2014
4701 NE 40th TERACE
GAINESVILLE FL 32609

N: 5858TC ENGINE
MAKE: CONTINENTAL
MODLE: IO-360-ES
S/N- 1007849
AIRCRAFT TT: 552.7

- 1) Installed new engine driven fuel pump part number 649368-74a serial number B14EA1710, serial number off B13JA171
- 2) Checked and adjusted fuel system per SID 97-3(d)

I certify the maintenance and/or alteration described above was accomplished in accordance with the requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

R Scott Lambert AP 3300566

11/20/2014 N585TC Mod IO-360-ES Engine hours 601.2

I certify that this engine has been inspected in accordance with a 100 hour inspection using Cirrus procedures and was found to be in a condition for safe operation. No current ADs

- Additional maintenance
- Compression test: 74, 73, 74, 71, 61, 62
- Additional maintenance
- RR oil and filter
- RR sparkplugs
- Engine test run - OK for return to service

JOHN CARMEN
A&P 2844678

Item #: 649368-74A4

Serial # B14KA141

Shp Ord #: 246344

Manf. Date: NOV 2014

Maintenance Record

engine part removal and
ins, Airworthiness Directives,
Service Bulletins

Date	Total T
	Hours

PURGED



12/02/2014
4701 N.E. 40th TERRACE
GAINESVILLE, FL 32609

MAKE: CIRRUS
MODEL: SR-20
TACH: 602.4
S/N: SR20-2230
ENGINE S/N: 1007849

1. Installed new engine driven fuel pump P/N 649368-74A4 S/N B14KA141
2. Checked and adjusted fuel system IAW SID97-3E

I certify this maintenance and/or alteration described above was accomplished in accordance with the requirements of 14 CFR 43 , and with respect to the work performed is airworthy and approved for return to service.

Ian A Thiessen A&P 3585304



3/24/2015
4701 N.E. 40th TERRACE
GAINESVILLE, FL 32609

N: 585TC ENGINE
MAKE: CONTINENTAL
MODEL: IO-360-K
S/N:
TACH: TT 702.2
W/O#:

- 1) Compression @ 80 PSI MO reading 44 1)76 2)58 3)76 4)78 5)58 6)60\
- 2) Changed oil and filter serviced 8 quarts aeroshell 100W
- 3) Inspected old oil filter element found clean washed down and leak checked engine
- 4) Cleaned gapped and inspected all spark plugs rotated and reinstalled
- 5) Sealed baffles at #5 cylinder cleaned fuel injector nozzles function check good
- 6) Checked engine fuel system per SID 97-3
- 7) Installed new induction air filter

I certify this engine has been inspected in accordance with a 100 hour inspection using the manufacturer's recommendations and current Federal Air Regulations as guidelines. This engine was found to be in an airworthy condition and is approved for return to service.

R Scott Lambert AP 3300566

Southwest Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(25)B

s/n:1007849

N585TC

6-23-15 Hobbs:946.9hrs Engine Total Time:774.6hrs Completed an Annual inspection in accordance with Chapter 05-20 Cirrus SR20 Maintenance Manual inspection checklist this date. AD's checked thru FAA Bi Weekly 2015-12. No AD's due at this time. Complied with Continental SB09-14 Crankshaft Corrosion Protection. Oil drained filter removed and contents examined with no contaminates noted. New oil filter installed. Compression checked as follows: 1)71/80 2)60/80 3)68/80 4)65/80 5)45/80 6)51/80. TCM Master Orifice reading 43/80. Removed #5 / #6 cylinders, pistons and piston pins. Units sent to Continental Motors for repair (see 8130-3 form dated 6-17-15). Repaired cylinders reinstalled using original piston, piston pin #5 cylinder and new piston, original piston pin #6 cylinder. Cylinder assemblies reinstalled using new piston ring and gasket sets per Continental IO-360 overhaul manual. Engine serviced to capacity with Aeroshell 100 Mineral oil. Adjusted left/right magneto timing to spec. Fuel injector assemblies removed, cleaned and reinstalled. Installed new seals, left/right cylinder head fuel drain manifold assembly using new attach bolt. Installed new right foreword engine baffle assembly. Installed new induction air filter element. Engine pre oiled and SID 97-3F engine set up completed. Systems function check normal. Post run Compression check #5)73/80 #6)74/80.

I certify this Engine has been inspected in accordance with an Annual inspection and was determined to be in Airworthy condition at this time


Liam Mullane A&P2807974IA



07/17/2015
4701 N.E. 40th TERRACE
GAINESVILLE, FL 32609

N:585TC
MAKE:CIRRUS
MODEL:SR20
S/N:20-2230
TACH:796.7
HOBBS:975.9

1. Replaced engine driven fuel pump with new P/N 649368-74A4 S/N B15EA121
2. Adjusted fuel system per SID97-3F
3. Changed oil and filter, Installed new CH48-108-1 torqued and saftied inspected old filter good. serviced engine with 8qts Aeroshell 100w, ran up leak checked good.
4. Replaced Alt #2 with new P/N 653344 and Alt #2 field control P/N 29434-002 ran up opps checked and leak checked good.

I certify the maintenance and/ or alteration described above was accomplished in accordance with the requirements of 14 CFR Part 43, and with respect to the work performed is airworthy and approved for return to service.

Ian A. Thiessen AP 3585304 IA



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					



09/23/2015
4701 N.E. 40h TERRACE
GAINESVILLE, FL 32609

N: 585TC
MAKE: CONTINENTAL
MODEL: IO360ES25B
S/N : 1007849
TACH: 873.2
HOBBS: 1066.2

1. Took compression @80psi 1)7 2)64 3)42 4)62 5)72 6)74 MO 46/80
2. Removed cylinder #3 and installed factory new assy 658601A3 S/N AC15HB258, compression after ground run 78/80.
3. Changed oil and filter, cut inspected old filter good, installed torqued and saftied new serviced engine 8qts Aeroshell 100w.
4. Cleaned, gapped, tested and rotated spark plugs.
5. Performed SID97-3

I certify this Engine has been inspected in accordance with a 100hr inspection in observance of 14 CFR Part 43 using the manufacturer's checklist and current Federal Air Regulations. This Engine was found to be in an airworthy condition and is approved for return to service.

Ian Thiessen AP 3585304 IA



11/19/2015
4701 N.E. 40h TERRACE
GAINESVILLE, FL 32609

N: 585TC ENGINE
MAKE: CONTINENTAL
MODEL: IO-360-ES
S/N: 1007849
ENG TT 971.9
W/O#: 849/851

- 1) Compression @ 80 MO reading 42 1)68 2)35 3+70 4)56 5)72 6)68
- 2) Changed oil and filter serviced 8 quarts aeroshell 100W
- 3) Inspected old oil filter element washed down and leak checked engine
- 4) Complied with 500 hour magneto inspection and repair replaced points both magnetos and coil 8in left magneto set internal timing reinstalled and timed to engine
- 5) Lubricated and freed engine controls
- 6) Installed new induction air filter
- 7) Cleaned gapped and tested all spark plugs

I certify this engine has been inspected in accordance with a 100 hour inspection in accordance with FAR 43 appendix (d) using the manufacture checklist and current Federal Air Regulations as guidelines. This engine was found to be in an airworthy condition and is approved for return to service.

Scott Lambert
ASP 33005566 IA

IXERZ Toccoa Aviation, Inc. 2175 E. Tugalo St, Toccoa, GA. 30577 ph. (706) 886-1320
Date: **01-13-2016** Engine hours: **1022.3** Total Time:
N585TC

Removed LH magneto S6LSC-25 P/N 10-500556-3. S/N D12LA129 from engine, installed new magneto same part number S/N D15AA287. timed to engine 24 degrees BTC. Engine test run, no problems noted.

Larry E. Murley 3431535-A&P

Statements in Blocks 13a and 13b are not required unless the user/installer before the aircraft may be flown.
national regulations by the user/installer before the aircraft may be flown.

Engine Service and Maintenance Record



Total Time
Time Since Last Overhaul
03/14/2016
4701 N.E. 40h TERRACE
GAINESVILLE, FL 32609

N: 585TC
MAKE: CONTINENTAL
MODEL: IO360ES25B
S/N : 1007849
TACH: 1071.8
HOBBS: 1318.0

1. Took compression @ 80 psi 1)72 2)68 3)72 4)30 5)74 6)74 M.O. 48
2. Installed factory new cylinder assy P/N 658601A3 S/N AC15KA301, Replaced Exhaust lifter with new 658106, ran cylinder in retorqued hardware and took compression #4) 76/80
3. Changed oil and filter, removed cut and inspected old filter good, installed new filter torqued and saftied, serviced engine 8qts Aeroshell 100w leak check good
4. Installed new engine air filter BA-24
5. Cleaned and serviced fuel gascolator
6. Performed SID97-3 fuel system setup.
7. Replaced 6 Spark plugs with new URHM38E. Installed in bottom, cleaned and gapped all other plugs.
8. Installed new L/H muffler P/N 20560-001
9. Replaced sparkplug wire clamp cylinder #6

I certify this Engine has been inspected in accordance with a 100hr inspection in observance of 14 CFR Part 43 using the manufacturer's checklist and current Federal Air Regulations. This Engine was found to be in an airworthy condition and is approved for return to service.

Ian Thiessen AP 3585304 IA

May 30 2016				RR engine oil and filter.
HOBBS 1399.6				test ran. 8 Qts Aeroshell 100
TACH 1132.2				John AP/A 2894678
July 01 2016	N585TC	tach 1164.4		
				Replaced oil and filter with Phillips 20w50.
				Cleaned and tested plugs, replaced six plugs with new, installed new plugs on bottom.
				c/w SID97-3
				Engine test run - OK
				Compression test: 64, 60, 66, 74, 74, 62
				I certify that this aircraft engine has been inspected in accordance with an annual inspection using Cirrus MM and checklist and was found to be airworthy. No current Ads, or time limit items
				John Carmen
				A&P IA #2844678

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
					Record maintenance actions including engine part removal and installation and compliance with inspections. Airworthiness Directives
					N: 585TC ENGINE MAKE: CONTINENTAL MODLE: IO-360-K S/N TACH 1184.7 W/O#: 15468



8/29/2016
 4701 N.E. 40h TERRACE
 GAINESVILLE, FL 32609

- 1) Compression @ 80 PSI MO reading 46 1)70 2)72 3)72 4)72 5)74 6)66
- 2) Changed oil and filter serviced engine 8 quarts Aeroshell 100W
- 3) Cleaned gapped and test spark plugs rotated and reinstalled
- 4) Checked old oil filter element washed down and leak checked engine
- 5) Complied with SB 2X-21-06 by replacement of aft lifting ring
- 6) Installed new air condition compressor and drive belt
- 7) Fuel system set up check per SID 97-3
- 8) Cylinder bore scope satisfactory

I certify this engine has been inspected in accordance with a 100 hour inspection using the manufactures recommendations and current Federal Air Regulations as guidelines. This engine was found to be in an airworthy condition and is approved for return to service

R Scott Lambert
 A&P 3300566

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(25)B s/n:1007849

10-14-16 ✓ Hobbs:1474.7hrs Engine Total Time:1191.2hrs Compression check as follows: 1)60/80 2)64/80 3)65/80 4)66/80 5)72/80 6)65/80. Removed right magneto, sent to Quality Aircraft Accessories for overhaul (see 8130-3 form dated 9-23-16). Right mag reinstalled using new gasket. Left and right mags timed to engine. Installed new exhaust riser assembly #5 cylinder location using new gaskets and hardware. Installed new left/right exhaust collector weldment assemblies left/right locations using new hardware as required. Installed new baffle assembly/spring #6 cylinder head location. Performed CMI SID97-3G systems function check normal.

Bryan M Wood A&P3216290

585TC
N101BE

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Carried forward →

Nov 28 2016 N585TC SN 2230 tach 1254.0

Replaced oil and filter with Aeroshell 100 Test ran
Cut open filter - ok

John
John Carmen
A&P IA #2844678

Dec 28 2016 N585TC SN 2230 tach 1280.7

Cleaned and tested plugs, replaced six plugs with new on bottom.
Removed and cleaned (ultrasonic) fuel injectors
c/w SID97-3
Replaced air filter
Engine test run - OK
Mag timing test - Ok
Compression test: 64, 64, 62, 70, 72, 66 over 80
I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection using Cirrus MM and checklist and was found to be airworthy. No current Ads, or time limit items

John
John Carmen
A&P IA #2844678

Tach 1301.4 Jan 17 2017

RR Mechanical Fuel pump
Adjusted Fuel PSI 1AW SID97

John
John Carmen
A&P IA #2844678

Engine Service and Maintenance Record

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried forward →				
2-20-17	133	05		

50 hr inspection
 check magnet timing - OK.
 change oil and filter.
 philips 20w50
 cat open filter - polyurethane.
 J. AP/IA
 2044678

April 10, 2017 N585TC SN 2230 tach 1379.1

Cleaned and tested plugs, changed oil and filter with 20/50 phillips c/w SID97-3

Engine test run - OK

Mag timing test - Ok

Compression test: 62, 64, 64, 72, 74, 66 over 80

I certify that this aircraft engine has been inspected in accordance with a 100 hour inspection using Cirrus MM and checklist and was found to be airworthy. No current Ads, or time limit items

John Carmen
 A&P IA # 2844678

