

CONTINENTAL

A E R O S P A C E T E C H N O L O G I E S

**ENGINE
LOG
BOOK**

Service Information

Consult the Continental web site at <http://www.continental.aero> for engine related news or announcements. The web site contains useful information for Continental engine owners, including service information and illustrated parts catalogs.

If Internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or 1-251-436-8299 for International customers

Warranty Information

This product is covered by Continental Aerospace Technologies™ product warranty. To read or download a copy for your records, please visit the Product Warranty page on our web site at: <http://www.continental.aero/services/warranty.aspx> or scan the QR Code to the right to navigate to the page:



Instructions for Continued Airworthiness

For complete access to the engine Instructions for Continued Airworthiness, Illustrated Parts Catalogs, Service Documents, Technical Briefs, company news, and upcoming events, please take a few moments to register the serial number of your engine on our web site: <http://www.continental.aero/services/owner-registration.aspx> or scan the QR Code to the right to navigate to the page:



Engine Returns

Return engines for core credit with this log book to:
Continental Aerospace Technologies
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Continental Services
Factory Service Center
8600 County Road 32
Fairhope, Alabama 36532 USA

**USE ONLY FUEL SPECIFIED IN OPERATOR'S
MANUAL OR TYPE CERTIFICATE DATA SHEET
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



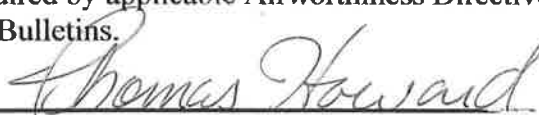
Continental Motors

PRODUCTION CERTIFICATE NO. 508

Printed: 1/27/2021

Test Date: 10/27/2020

This engine model R-I0550D13B , serial number 1039955 was rebuilt by Continental Motors in accordance with approved design data and the applicable requirements of 14 CFR, Parts 21 and 43 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.



CONTINENTAL MOTORS, INC.

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with CM standard engine testing specifications as approved by the FAA.

Engine Model R-10550D13B

Engine Serial Number 1039955

Testing Completed

Standard Acceptance Test:

Date of Completion 10-27-2020 Test Operator K. Walker



Continental Motors, Inc.

Form No 98344



Continental Motors, Inc.

THE OIL PRESSURE ON THIS ENGINE WAS ADJUSTED DURING THE ENGINE ACCEPTANCE TEST AT THE FACTORY. ONLY MINOR ADJUSTMENTS MAY BE NECESSARY TO ASSURE THE PROPER INDICATION ON THE COCKPIT GAUGE.

FACTORY SETTINGS:

RPM 2775 OIL TEMP 185 OIL PRESSURE 56.0

OIL PRESSURE PICK UP POINT: MAIN OIL GALLERY BETWEEN #2 AND #4 CYLINDERS



655305 Rev.A

Customer Copy



Continental Motors, Inc.

Engine Component Information Sheet

Printed :1/27/2021

Serial:	1039955	Assembled:	10/26/2020
Spec:	R-I0550D13B	Shipped:	
New/Rebuilt:	REBUILT	Packed:	1/27/2021

Customer Name:

Shipping Address:

Component	Serial Number	Component	Serial Number
CAMSHAFT	451150-9	L. TURBO	N/A
CRANKSHAFT	N20DA091	R. TURBO	N/A
CRANKCASE	R20IA251	OVERBOOST	N/A
CONNROD	AE20FC887CP	CONTROLLER	N/A
CONNROD	AE20FD077CP	WASTEGATE	N/A
CONNROD	AE20FC805CP	CYLINDER - 1	AC20HA065
CONNROD	AE20FC880CP	CYLINDER - 2	AC20HA064
CONNROD	AE20FD081CP	CYLINDER - 3	AC20HA051
CONNROD	AE20FC884CP	CYLINDER - 4	AC20HA237
L MAGNETO	F20IA105R	CYLINDER - 5	AC20GA514
R MAGNETO	F20JA010R	CYLINDER - 6	AC20HA062
CARBURETOR	N/A	STARTER ADAPTER	H-U071227
FUEL PUMP	B20EA169R	NOZZLE - 1	1245
MANIFOLD VALVE	C20HA069R	NOZZLE - 2	2234
METERING UNIT	A20HA095R	NOZZLE - 3	3234
STARTER	H-P-192014	NOZZLE - 4	4229
ALTERNATOR	N/A	NOZZLE - 5	5245
ALTERNATOR 2	N/A	NOZZLE - 6	6229
DRIVE GEAR	N/A	OIL COOLER	J20-4737-13
DRIVEN GEAR	N/A	PISTON WEIGHT	N/A

Form QA-85A (MAR 2012)

Pack Inspection Stamp

All of the information provided herein is subject to verification by the user. Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.



635 AIRPORT ROAD • WELD COUNTY AIRPORT • GREELEY, COLORADO 80631

Carrie 06-07-2021 Tach 727.7 Hobbs 2349.7 AFTT 2349.7 N5418E sn 18503968
Eng 0.00 Prop TSMOH 0.00

Installed factory reman IO-550-D (13) sn 1039955 (turbo charger and IO-550 STC previously installed), installed new lord mounts pn (2)J6545-1 and (2) J15198-1 with new attach bolts pn (2) AN7-33A, (2) AN7-46A, and lock tabs pn (4) 0851559-1. Replaced baffles with new Airforms, Inc. pn AF0750128-19, AF0750128-23, AF0750128-21, AF0750128-97, AF0750128-66, AF0755050-9, AF0750128-76. Installed new LH exhaust stack assembly pn ETI-C-101. Installed new RH exhaust stack assembly pn 85-685-0002. Installed new waste gate adapter pn ETI-C-109. Installed new tailpipe pn ETI-C-108 and clamp pn 11-1100035. Installed new #5 Cylinder baffle pn #5 cyl baffle kit. Installed new crankcase breather tube pn AD0700147-9. Installed new intercooler to engine hoses pn 85-6700049 and 85-6700050. Installed new LH turbo bracket pn 85-6200013 and spacer pn 85-6200015 with new bolts pn MS20074-05-10. Installed new RH turbo bracket pn ETI-C-620-101. Installed overhauled turbo charger pn 406610-0029 sn H-SKL00067 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60207. Installed new oil inlet fittings pn FS-166-C185 with new bolts pn AN6C-12A, (2) AN6C13A, and AN6C-14A. Installed new turbo oil inlet check valve pn 35-6500014. Installed new turbo oil drain fitting pn 85-6550005. Installed new drain check valve pn 35-6550003. Installed overhauled fuel pump pn 4140-00-15CJ sn 16224-16229/SN GP02 from CJ Aviation, Inc. CRS # PQ1607-CE WO# 303366. Installed overhauled fuel controller pn 04-6550011 sn D089906A from Great Planes Metering, Inc. CRS # 1GPR022B WO# 21-154. Installed overhauled Hartzell turbo controller pn 470688-0005 sn NGN00142 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60203. Installed overhauled Hartzell wastegate pn 470990-011 sn H-SCN00038 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60202. Installed with new gaskets pn (2) 652456. Installed overhauled Hartzell turbo pressure relief valve pn 470944-9029 sn MEN00101 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60204. Installed new LH turbo heat shield pn 85-6350002. Installed new turbo/wastegate manifold assembly pn ETI-C-103-1 with new gaskets pn (2) 642502 and bolts pn AN5C-10A. Installed new fuel flow transducer bracket pn FS-170. Installed new heat shield pn 856300009 and FT185-1015-101. Installed new RH lower turbo bracket support pn ETI-C-620-102. Installed new intake heat deflectors pn (6) MC0750143-1. Reinstalled existing alternator. Installed new alternator belt pn S2416-1-31.0. Installed new snuffle drain valve pn 11-1100036. Installed new turbo inner cooler pn ETI-C-500 sn J12-10782-6 and coupling pn ETI-SR22-15-2. Installed new intercooler duct pn ETI-C-501. Installed GAMI STC # SE09289SC kit # G7168B sn 25087 fuel injection nozzles. See FAA 337 Form dated 06-07-2021.

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

This aircraft was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details on file at Beegles Aircraft Service LLC, Greeley, CO.
Work Order # 12,949 CRS# BX4R092M

Signed 



GULF COAST AVIATION, INC.
 7930 AIRPORT BLVD
 HOUSTON, TX 77061

LOG BOOK ENTRY

N5418E	Engine Log Book Entry	Total Time: <u>2362.5</u>
Cessna A185F	S/N 1039955	Tach Time: <u>11.4</u>
S/N18503968	Maintenance Performed	Date: <u>June 29, 2021</u>
W/O # <u>5418E0621</u>		

1. Drained Engine Oil and Re-Serviced with 11 Quarts AeroShell 100 SAE 50 oil.
3. Replaced Oil Filter P/N CH48109-1.
4. Adjusted the Aneroid Fuel Meter. Adjusted per Turbo-Flite 185 System Maintenance and Troubleshooting Manual. Manual P/N 85-6560001 "Continued Airworthiness", September 29, 2011 Page 26, paragraph b) Fuel Flow. Adjusted 1 ¼ turn IN.
5. Ran engine and no leaks noted at this time.

All above work complied with IAW Cessna Service Manual P/N D2000-9-13

I certify this aircraft has been inspected and/or repaired in accordance with 14 CFR part 91.409 (f) (3) and has been found to be in an Airworthiness Condition and is Approved for Return to Service with respected to the work performed.

Lenny Armon
 Technicians Signature

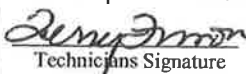
A & P 2896464
 Certificate Type & Number

<p style="text-align: center;">ANSON AVIATION</p> <p>Make: CESSNA Model: A185F Reg. No.: N5418E Order No.: 153830 Tach Time: 36.90 Completed: 09/09/21 S/N: 18503968 Type: ContIO550D TTAF: Engine Log S/N: 100578</p> <p>changed oil and filter, cut old filter to check for particles - none found, serviced engine with 10 qts of A.S.100w, washed engine. This engine was repaired and inspected in accordance with the current Code of Federal Regulation and is approved for return to service with respect to work performed. Pertinent details of this repair are on file at CRS#UZGR810K under W/O#1739 Authorized Signature <i>Steve Gray</i></p>				



GULF COAST AVIATION, INC.
7930 AIRPORT BLVD
HOUSTON, TX 77061


LOG BOOK ENTRY

N5418E	Engine Log Book Entry	Total Time: <u>2415.3</u>
Cessna A185F	S/N 1039955	Tach Time: <u>61.3</u>
S/N18503968		Date: <u>Nov. 17, 2021</u>
W/O # <u>5418E1121</u>	Maintenance Performed	
<ol style="list-style-type: none"> 1. Drained Engine Oil and Re-Serviced with 11 Quarts Phillips XC2050 oil. 2. Replaced Oil Filter P/N CH48109-1. 3. Ran engine and no leaks noted at this time. 		
All above work complied with IAW Cessna Service Manual P/N D2000-9-13		
<p>I certify this aircraft has been inspected and/or repaired in accordance with 14 CFR part 91.409 (f) (3) and has been found to be in an Airworthiness Condition and is Approved for Return to Service with respect to the work performed.</p>		
	A&P 2896464	
Technicians Signature	Certificate Type & Number	

ANSON AVIATION

Make: CESSNA Model: A185F Reg. No.: N5418E
 Date: 06/01/22 S/N: 18503968 Tach Time: 89.20
Engine Log Type: ContIO550D S/N: 100578

Changed oil and filter serviced with 10qrt Philips 20W50 X/C installed new AA48109-2, cut old filter to check for particles - none found, washed engine, This engine was repaired and inspected in accordance with the current Code of Federal Regulation and is approved for return to service with respect to work performed.

Juan Perrett A&P#3217203 

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 →

ANSON AVIATION

Make: CESSNA Model: A185F Reg. No.: N5418E
 Date: 6/30/2022 S/N: 18503968 Tach Time: 114.20
Engine Log Type: ContIO550D S/N: 100578

Changed oil and filter, cut old filter to check for particles - none found serviced with 10qrts of Phillips 20w50 and installed a new CH48109-1 oil filter, cleaned and gapped spark plugs, cleaned fuel nozzles and screens, disassembled and cleaned both the inlet and outlet oil check valves for the turbocharger bearing compartment, Compression Check #1-70 #2-67 #3-70 #4-70 #5-67 #6-67, I certify that this ENGINE has been inspected in accordance with 100hr Inspection and was found to be in an airworthy condition. This engine was repaired and inspected in accordance with the current Code of Federal Regulation and is approved for return to service with respect to work performed.

Juan Perrett A&P IA#3217203



ANSON AVIATION

Make: CESSNA Model: A185F Reg. No.: N5418E
 Date: 04/28/23 S/N: 18503968 Tach Time: 163.40
Engine Log Type: ContIO550D S/N: 100578

Changed oil and filter, cut old filter to check for particles - none found, serviced with 10qrt of Phillips 20w50 X/C and installed a new AA48109-2 filter, reinstalled fuel controller after repairs at Great Planes Fuel Metering Inc. FAA CRS# 1GPR022B and rigged, ran and leak checked - good, This engine was repaired and inspected in accordance with the current Code of Federal Regulation and is approved for return to service with respect to work performed.

Juan Perrett A&P#3217203

