

N7235E

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 documents 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
1-251-436-8299 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:

Continental Motors, Inc.
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

FAA PRODUCTION CERTIFICATE NO. 508

Printed:04/04/2018

Test Date:04/04/2018

This engine model I0550B89B, serial number 1035700 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

CONTINENTAL MOTORS, INC.

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, Special Inspections, Modifications and Service Bulletins	
	N.W. Air Repair Inc		October 3, 2018			
	N7235E		Hobbs Time	338.6	Hrs	
	Factory NEW engine IO-550-B98B s/n 1035700.					
	This engine installed on Beech A36 N7235E s/n E-2252					
	Re-installed overhauled prop governor model D210680 AA s/n 1045736. Re-installed overhauled propeller D3A32C409-C/872NDB-2 s/n 022171. Reinstalled exhaust system and accessories. Serviced with 11 qts Aeroshell 100, ran engine, no leaks noted.					
	Graham L Goad A&P 2801174					
	N.W. Air Repair Inc		October 11, 2018			
	N7235E		Hobbs Time	0343.5	Hrs	
			TSN	4.9 hrs		
	Drained oil, changed filter, installed Saf-Air drain valve p/n S6250, serviced with 11 qts Aeroshell 100, ran engine, no leaks noted, open filter and inspected, no abnormal debris noted.					
	Graham L Goad A&P 2801174					
	N.W. Air Repair Inc		November 7, 2018			
	N7235E		Hobbs Time	0366.7	Hrs	
	Drained oil, changed filter, serviced with 11 qts Aeroshell 100, ran engine, no leaks noted. Cut open filter, no abnormal debris noted.					
	Graham L Goad A&P 2801174					
	N7235E					
	NW Air Repair Inc.		March 21, 2019			
	503-472-4790					
	Hobbs Time	375.0	Hrs	TSMOH	36.4	Hrs
	Drained oil, changed filter, serviced with 11qts Aeroshell W100. Performed compression check, #1 72/80, #2 73/80, #3 76/80, #4 75/80, #5 75/80, #6 76/80. Cleaned and gapped spark plugs, checked magneto timing, Inspected exhaust system. This engine inspected in accordance with 100hr inspection per FAR43 Appendix D and found to be airworthy at this time.					
	Graham L Goad 2801174 A&P					
7/14/2019	Hobbs 404.0hr. Time Since New Eng 67.4hr. changed oil + Filter, (11 qts Aeroshell W100 Plus, CH 48109-1) ran Eng, No leaks, CK'd Filter - No Debris					
	R.E. Mann 1571902					

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

ENGINE MODEL:
IO-550B89B
ENGINE S/N: 1037500
REG NO 7235E
WORK ORDER:
3874-09-2019

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone: (503)492-0406

DATE: 9/10/2019
A/C TSN 52157
ENG TT: 122
HOBBS: 460.6

Engine Entries

Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good.

DATE: 9/10/2019

SIGNED:

Daryl Dasher

Work Order: 3874-09-2019

Daryl Dasher, A&P: 3494603 IA

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ENGINE MODEL:
IO-550B89B
ENGINE S/N: 1037500
REG NO 7235E
WORK ORDER:
3914-11-2019

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone: (503)492-0406

DATE: 11/7/2019
A/C TSN 5267.3
ENG TT: 173.6
HOBBS: 512.2

Engine Entries

Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good.

DATE: 11/7/2019

SIGNED:

Daryl Dasher

Work Order: 3914-11-2019

Daryl Dasher, A&P: 3494603 IA

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550B89B
ENGINE S/N: 1037500
REG NO 7235E
WORK ORDER:
3935-12-2019

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone: (503)492-0406

DATE: 1/7/2020
A/C TSN 5271.3
ENG TT: 177.6
HOBBS: 516.2

Engine Entries

Performed annual inspection and service. Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Performed compression check #1-70 #2-70 #3-74 #4-74 #5-68 #6-72. Cleaned and gapped spark plugs. Checked mag timing. Checked engine controls. Inspected intake and exhaust systems. Installed new Donaldson induction air filter. Cleaned engine and cowling. Test run / leak check good....Installed new gasket on oil cap.

I certify this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and was found airworthy

DATE: 1/7/2020

SIGNED:

Daryl Dasher

Work Order: 3935-12-2019

Daryl Dasher, A&P: 3494603 IA

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10-2-2020 Hobbs 591.5 Engine total time 252.9

Removed This engine from N7235E.

Daryl Dasher A+P 3494603 IA

10-2-2020

10-2-2020

Manufacturer Continental
Model IO-550-B
Serial Number 1035700

Total Time 252.9
Hobbs Time 591.5

Date 03 Mar 2021
WO Number 14986

This engine was disassembled and inspected due to a propeller strike - no damage noted. The magnetos were overhauled. The starter adapter was repaired to M015 specifications. See list of parts installed. Assembled engine and tested. Work was done in accordance with Continental Manual M-16, Change 2, dated 15 Jul 2015, M-0, Revision 1, Change 1, dated 01 Feb 2021. Engine was run on a test stand - no defects noted.

Accessories

Description	Model Number	Part Number	Serial Number	Condition
Magneto	S6RN-1225	10-349350-4	F18CA064	Overhauled and tested in accordance with Continental Manual X42001, Revision 3, Change 1, dated 01 Feb 2021.
Magneto	S6RN-1225	10-349350-5	F18AA234	Overhauled and tested in accordance with Continental Manual X42001, Revision 3, Change 1, dated 01 Feb 2021.

Airworthiness Directives

Magneto

AD Note	Amend #	Dated	R	Subject	Compliance
74-26-09	39-2050	24 Dec 1974	N	Solid steel drive bushing	Inspected. Not applicable. Part is not used in these magnetos.
82-13-01	39-4405	28 Jun 1982	Y	Green blocks	Inspected. Not applicable. Green blocks are not installed. <u>No further action required by this AD Note.</u>
82-20-01	39-4658	14 Jun 1983	N	Impulse flyweights	Tested impulse flyweight hardness and inspected pins. Found acceptable.
94-01-03	39-9271	28 Jun 1995	N	Coil and rotating magnet	Inspected. Not applicable by magneto serial numbers.
94-06-09	39-8895	20 May 1994	N	Capacitors	Installed new capacitors. Not applicable by date codes.
2005-12-06	39-14122	19 Jul 2005	Y	Impulse coupling	Inspected in accordance with paragraph (c). Not applicable by engine model. <u>No further action required by this AD Note.</u>

The work described in this maintenance record was accomplished on the article(s) identified in this maintenance record in accordance with Title 14, Code of Federal Regulations, Part 43, and in respect to that work the article(s) are approved for return to service. Pertinent details are on file at this Repair Station under Work Order Number 14986.

Date: 03 Mar 2021 Signed  Inspector for Premier Aircraft RS JZYR537L.

Qty	Part Number / Description	Qty	Part Number / Description
2.0	10-14268 / Washer	6.0	634503 / Main Bearing
2.0	10-160844 / Carbon Brush	16.0	639193 / Counterweight Bushing
2.0	10-163374 / Felt Strip	1.0	641250 / Crankshaft Seal
4.0	10-349219 / Wedge	2.0	641909 / Lock Plate
2.0	10-349247 / Retainer	12.0	642398 / Rod Bearing
2.0	10-349248 / Oil Slinger	2.0	643626-103 / Counterweight Pin
2.0	10-349263 / O Ring	2.0	643626-104 / Counterweight Pin
2.0	10-349326 / Strip	4.0	643626-105 / Counterweight Pin
6.0	10-349652 / Screw	16.0	643629 / Counterweight Plate
4.0	10-35935-6 / Screw	4.0	646288 / Thrust Washer
8.0	10-35936-7 / Screw	1.0	646550A1 / Gasket Set
2.0	10-35937-24 / Screw	4.0	649205 / Bolt
2.0	10-3793 / Lock Washer	2.0	652451-8 / Push Rod
2.0	10-382584 / Breaker Contact Assembly	1.0	653470 / Starter Adapter Gasket
2.0	10-391213 / Screw	4.0	653547 / Bearing
2.0	10-400009 / Nameplate	12.0	654490 / Rod Nut
2.0	10-400406 / Distributor Gear Assembly	4.0	654587-.44 / Bolt
2.0	10-400561 / Bearing	4.0	655269 / Rubber Magneto Drive Bushing
2.0	10-400615 / Capacitor	12.0	655958 / Rod Bolt
2.0	10-50752 / Felt Washer	1.0	CH48109-1 / Oil Filter
2.0	10-51324 / Impulse Coupling Spring	12.0	M674 / Spark Plug Washer
6.0	10-53397 / Washer	2.0	MS16624-1037 / Snap Ring
2.0	10-90751-18 / Cotter Pin	24.0	MS20500-428 / Nut
6.0	24764 / Data Plate Stud	1.0	MS9970-116 / O Ring
8.0	350998 / Crankshaft Bushing	1.0	MS9970-117 / O Ring
2.0	502102-1 / Snap Ring	2.0	NAS1805-4 / Lock Nut
1.0	534625 / Felt	6.0	SA536379 / Crankshaft Bolt
1.0	536563 / Dowel Pin	1.0	501867 / Lock Tab
16.0	629104 / Snap Ring	1.0	630680 / Bearing
1.0	630899 / Bearing	1.0	CAM539800M15 / Starter Adapter Clutch Spring
1.0	630979-20 / O Ring		S/N: CAM20-102-166
1.0	632444-2 / Clamp		

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

ENGINE MODEL:
IO-550B89B
ENGINE S/N 1037500
REG NO 7235E
WORK ORDER:
4049-08-2020

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone (503)492-0406

DATE: 5/14/2021
A/C TSN: 5346.6
ENG TT: 252.9
HOBBS: 591.5

Engine Entries

Performed annual inspection and service. Reinstalled this engine into N7235E. Serviced with Aeroshell W100 SAE 50 weight compounded oil. Performed compression and found all cylinders to be acceptable.

I certify this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and was found airworthy.

DATE: 5/14/2021

SIGNED:

Daryl Dasher

Work Order: 4049-08-2020

Daryl Dasher, A&P: 3494603 IA

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ENGINE MODEL:
IO-550B89B
ENGINE S/N 1037500
REG NO 7235E
WORK ORDER:
4211-07-2021

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone (503)492-0406

DATE: 7/8/2021
A/C TSN: 5366.2
ENG TT: 272.5
HOBBS: 611.1

Engine Entries

Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good.

DATE: 7/8/2021

SIGNED:

Daryl Dasher

Work Order: 4211-07-2021

Daryl Dasher, A&P: 3494603 IA

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ENGINE MODEL:
IO-550B89B
ENGINE S/N 1037500
REG NO 7235E
WORK ORDER:
4241-08-2021

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone (503)492-0406

DATE: 9/29/2021
A/C TSN: 5415.7
ENG TT: 322
HOBBS: 660.6

Engine Entries

Performed 50 hour maintenance and service. Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good.

DATE: 9/29/2021

SIGNED:

Daryl Dasher

Work Order: 4241-08-2021

Daryl Dasher, A&P: 3494603 IA

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ENGINE MODEL:
IO-550B89B
ENGINE S/N 1037500
REG NO 7235E
WORK ORDER:
4303-12-2021

Dash Air, Inc.
1023 NW Graham Road
Troutdale, OR 97060
Phone: (503)492-0406

DATE: 1/1/2022
A/C TSN: 5442.9
ENG TT: 349.2
HOBBS: 687.8

Engine Entries

Performed annual inspection and service. Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Performed compression check #1-72 #2-65 #3-72 #4-76 #5-74 #6-70. Cleaned and gapped spark plugs. Checked mag timing. Checked engine controls. Inspected intake and exhaust systems. Inspected induction air filter. Cleaned engine and cowling. Test run / leak check good....CSB07-01A Continental connecting rod piston pin bushing complied with by screening the oil. No metal found in screen.

I certify this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and was found airworthy.

DATE: 1/1/2022

SIGNED:

Daryl Dasher

Work Order: 4303-12-2021


Daryl Dasher, A&P: 3494603 IA

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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, Special Inspections, Modifications and Service Bulletins					
Carried forward:					
	ENGINE MODEL: IO-550B89B ENGINE S/N 1037500 REG NO 7235E WORK ORDER 4349-04-2022		Dash Air, Inc. 1023 NW Graham Road Troutdale, OR 97060 Phone (503)492-0406		DATE 9/6/2022 A/C TSN: 5518.4 ENG TT 424.7 HOBBS 763.3
	Engine Entries				
	Performed 50 hour maintenance and service Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good.				
	DATE: 9/6/2022		SIGNED: Daryl Dasher	Work Order: 4349-04-2022 Printed by EBis 3 (datcomedia.com)	
	ENGINE MODEL: IO-550B89B ENGINE S/N 1037500 REG NO 7235E WORK ORDER 4458-10-2022		Dash Air, Inc. 1023 NW Graham Road Troutdale, OR 97060 Phone (503)492-0406		DATE 3/2/2023 A/C TSN: 5558.2 ENG TT 464.5 HOBBS 803.1
	Engine Entries				
	Performed annual inspection and service. Drained oil. Changed oil filter. Inspected oil filter element. Inspected and cleaned oil suction screen. Serviced with Aeroshell W100 50 weight compounded oil. Performed compression check #1-66 #2-64 #3-65 #4-63 #5-70 #6-66. Cleaned and gapped spark plugs. Checked mag timing. Checked engine controls. Inspected intake and exhaust systems. Inspected induction air filter. Cleaned engine and cowling. Test run / leak check good... CSB07-01A Continental connecting rod piston pin bushing complied with by screening the oil. No metal found in screen. AD 2022-16-03 8/15/2022 TCM S-1200 Mags. Not applicable by mags serial numbers....AD 2023-02-12 02/17/2023 Superior Air Parts intake valve not applicable by affected part not installed.				
	I certify this engine has been inspected in accordance with an annual inspection per FAR 43 appendix D and was found airworthy.				
	DATE: 3/2/2023		SIGNED: Daryl Dasher	Work Order: 4458-10-2022 Printed by EBis 3 (datcomedia.com)	
	ENGINE MODEL: IO-550B89B ENGINE S/N 1037500 REG NO 7235E WORK ORDER 4629-09-2023		Dash Air, Inc. 1023 NW Graham Road Troutdale, OR 97060 Phone (503)492-0406		DATE 9/6/2023 A/C TSN: 5608.2 ENG TT 514.5 HOBBS 853.1
	Engine Entries				
	Performed 50 hour maintenance and service. Drained oil. Changed oil filter. Inspected oil filter element. Serviced with Aeroshell W100 50 weight compounded oil. Cleaned engine and cowling. Test run / leak check good....CSB07-01A Continental connecting rod piston pin bushing complied with by screening the oil. No metal found in screen.				
	DATE: 9/6/2023		SIGNED: Daryl Dasher	Work Order: 4629-09-2023 Printed by EBis 3 (datcomedia.com)	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
					Record maintenance actions including engine part removal and

Carried

TAIL NUM:	N7235E	 (918) 682-4101	DATE:	03-11-24
ENG MDL:	IO-550-B89B		HOBBS:	871.8
ENG S/N:	1035700			
			ENGINE T.T.	533.2

Engine ran for op's checks. Obtained oil sample and submitted. Removed oil filter, opened and inspected, installed new filter CH48109-1 and serviced engine with 11 Qt's W15W50 Aero Shell oil. Cylinder compression #1 60/, #2 52/, #3 48/, #4 56/, #5 56/, and #6 50/80. Plugs cleaned, tested and rotated at install with new gaskets. Oil cooler removed for repair by Skyline Accessories and reinstalled with new gaskets. Engine washed and test ran for leak checks. I certify that this engine has been inspected I/A/W a 100 hour inspection and was determined airworthy for return to service this date.

Robert Kimball APP 252096

10/7/24 Hobbs - 918.0

R + R OIL FILTER. DRAINED OIL +
SERVICED ENGINE WITH 11 QTS
W15W50 AERO SHELL OIL.
OBTAINED OIL SAMPLE + SUBMITTED
FOR TESTING. RAN ENGINE +
CHECKED FOR LEAKS - OPS CITECH
GOOD. MARK DOWN OWNER



Continental Motors, Inc.
www.continentalmotors.aero