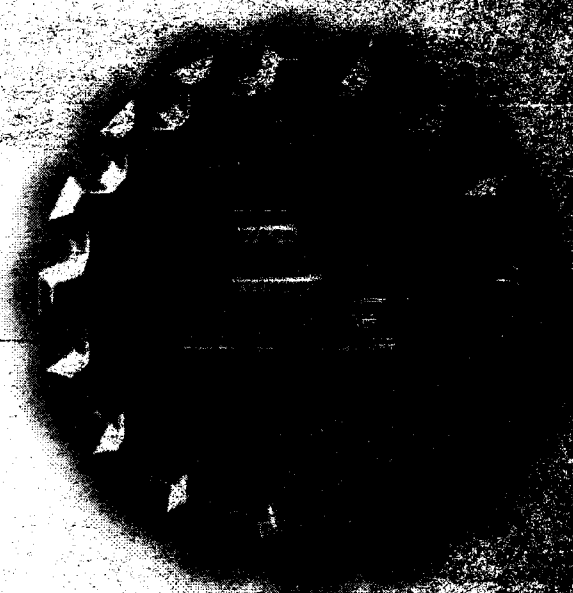


PREMIER AIRCRAFT



ENGINE MAINTENANCE RECORD

Aircraft Registration:

Engine Position:

Log Book Number:

Records Dated From:

Detailing Total Time From:

2/10/1944

1432.5

To:

To:

PREMIER AIRCRAFT
1000 NW Perimeter Way, Troutdale, Oregon 97060
Phone 503-661-4184 Fax 503-667-4052

LIMITED WARRANTY - OVERHAULED ENGINE

Six-Month Limited Warranty:

Premier Aircraft warrants this engine to be free from defect in material and workmanship under normal use for a period of six (6) months, for an unlimited number of hours, commencing from the date of installation or 30 days after shipment, whichever is earlier. Premier Aircraft will repair or replace, at its option, any material or workmanship found to be defective within the applicable period set forth above. The repair or replacement of defective parts and workmanship under this warranty will be made by Premier Aircraft without charge to the owner for parts, labor or materials used in the removal, installation and/or actual repair of such defective part or workmanship, except that import duties, sales or use taxes, and freight shall be the responsibility of the purchaser.

The obligations of Premier Aircraft under this warranty is limited to the repair or replacement of defective materials and workmanship for the time period set forth herein. Aftermarket projects, which require a Supplemental Type Certificate (STC) for installation, which may be installed or reinstalled at the customer's request, are not covered by this or any other warranty, express or implied, and all damages and losses arising out of such products are the sole responsibility of the purchaser, including any damage to the engine, aircraft, STC product, persons or property.

Extended Limited Warranty:

Premier Aircraft additionally warrants the engine power section, consisting of crankcase and crankshaft assembly, camshaft, and the cylinder stud assemblies, excluding any and all accessories, on a prorated basis from the expiration of the six (6) months warranty set forth above to the manufacturer's recommended time between overhauls (TBO) of the engine. The proration for this extended limited warranty shall be based upon a usage of 40 hours per month, or actual use, whichever is greater. This extended limited warranty does not include labor charges for removal, installation or repair, or charges for additional materials, import duties, sales or use taxes, and freight, all of which shall be the responsibility of the purchaser. Charges for parts under this extended limited warranty shall be made at the manufacturer's list price in effect at the time the repair is made, and shall be prorated as set forth herein. All other charges for repairs under this extended limited warranty shall be made at the list price in effect at the time of the repair, and shall be prorated as set forth herein.

Six-Month and Extended Warranty Limitations:

Warranty service under the limited warranty and extended limited warranty may be accomplished at facilities other than Premier Aircraft but only after prior written approval from Premier Aircraft provided that all work shall be performed at prevailing rates and that Premier Aircraft shall have the option to furnish all parts, materials and accessories.

This limited warranty and extended limited warranty (Warranty) shall be void if the engine or its accessories have been, in the judgment of Premier Aircraft, altered or repaired outside the Premier Aircraft facility without prior written approval, or have been operated contrary to the manufacturer's operating instructions, or subjected to misuse, neglect, accident or use of any fuel not approved by the engine manufacturer after installation or shipment by Premier Aircraft. In such event, Premier Aircraft shall be relieved of any and all liability and purchaser shall be solely responsible for any and all claims, whether arising out of damages caused by such wrongful use or not.

THE WARRANTY PROVIDED HEREIN SHALL BE IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION EXPRESSLY SET FORTH IN THIS DOCUMENT.

Any implied warranty not disclaimable hereunder shall extend for 30 consecutive days after installation or shipment by Premier Aircraft. Some states do not allow limitations on the length of time an implied warranty is valid, so the above limitation may not apply to you.

Premier Aircraft's liability under this limited Warranty and extended limited warranty is expressly limited to repair or replacement, at the option of Premier Aircraft of any defective material or workmanship and shall not extend to the payment of any damages. In the event of a breach of this Warranty by Premier Aircraft, the purchaser shall not be entitled to damages for loss of use, lost profits, or other incidental or consequential damages. Premier Aircraft shall not be held liable for loss of, or damage to the customer's aircraft caused by breach of Premier Aircraft.

Purchaser's remedies under this warranty are expressly conditioned upon receipt of written notice, sent by the purchaser, specifying the breach or defect complained of within seven (7) days after such breach or defect is discovered, or reasonably should be discovered to Premier Aircraft at the address set forth below, and upon customer's delivery of its aircraft, or any necessary accessory thereto or part thereof to Premier Aircraft for correction of such breach within 30 days after the receipt of such written notice. The written notice shall be addressed to: Premier Aircraft, 1000 NW Perimeter Way, Troutdale, Oregon 97060.

Warranty repair or replacement of any part, or performance of any service shall not extend this warranty beyond the original warranty time or hour limitation.

THE SOLE AND EXCLUSIVE REMEDY OF PURCHASER AND ANY OTHER PERSON, AGAINST PREMIER AIRCRAFT SHALL BE FOR THE REPAIR OR REPLACEMENT, AT PREMIER AIRCRAFT'S OPTION, OF DEFECTIVE MATERIALS AND WORKMANSHIP AS PROVIDED HEREIN. NO OTHER REMEDY, DIRECT OR INDIRECT, INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOST PROFITS, LOST SALES, INJURIES TO PERSONS OR PROPERTY, LIABILITY IN TORT OR ANY OTHER DAMAGES SHALL BE AVAILABLE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the previous limitation or exclusion may not apply to you.

The sole purpose of this limited warranty is to provide the customer with the remedy of repair or replacement, at Premier Aircraft's option, of defective parts or materials in the manner provided herein. This limited warranty shall not fail of its essential purpose so long as Premier Aircraft or its successor or designee is willing and able to repair or replace defective parts, materials or workmanship in the described manner.

Should this warranty fail of its essential purpose, the customer shall not be entitled, directly or indirectly, to incidental or consequential damages.

Any action arising out of this warranty, or any purported defect in material or workmanship shall be brought in the Circuit or District Court for the State of Oregon in Multnomah County, and the internal laws of Oregon shall govern.

PREMIER AIRCRAFT

ENGINE MAINTENANCE RECORDS

Engine Manufacturer: Lycoming

Model: IO-540-E1B5

Serial No: RL-8770-48

Recommended TBO: 1600 Hours 12 Years

Aircraft Registration No: N171Z

Date Installed on Aircraft: 03/10/2004

If used on multi-engine aircraft: ☐ Left ☒ Right ☐ Front ☐ Rear

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, Oregon 97060
Phone: (503) 661-4184 Fax: (503) 667-4052

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming Total Time 1432.40
Model Number IO-540-E1B5 TSMO 0.00
Serial Number RL-8770-48 Hobbs Time 3524.7

Date 03/10/2004
WO Number 08481

This engine was overhauled in accordance with Lycoming Manual 60294-7 and Table of Limits SSP1776. Installed new Lycoming cylinder assemblies. The camshaft was ground and new lifter bodies were installed. See following list of parts installed. Engine was run on a test stand. Installed a new Slick harness. Installed new oil filters.

Accessories

Description	Model Number	Part Number	Serial Number	Condition
Left magneto	S6LSC-200	BL600616-3	E03LA083R	0.0 hours since factory rebuilt.
Right magneto	S6LSC-204	BL600646-1	E03GA181R	0.0 hours since factory rebuilt.
Fuel servo	RS-10B1	391787-4	16981	0.0 hours since overhaul.
Fuel pump	-	RG9080J1	C2350	0.0 hours since overhaul.
Manifold valve	-	2524591-3	087504	0.0 hours since overhaul.
Starter	-	MHB-4016	D123136	0.0 hours since overhaul.

Service Information

Service Bulletin	Subject	Compliance
SI11111	Flange plating	Cadmium plated and baked flange.
SI1267C	Piston pin plugs	Installed new 72198 aluminum bronze piston pin plugs.
CSB02-8	Capacitor	N/A per SB664. A red insulator is installed.
SB240R	Replacement parts	Parts were replaced in accordance with Lycoming's recommendations.
SB342D	Fuel injection lines	Inspected the lines and correctly clamped.
SB439A	Connecting rods	Inspected the connecting rods.
SB475B	Crank & gear	Inspected the crankshaft and dowel pin. Installed a new gear with a new bolt. Torqued bolt to 204 inch pounds and safied.
SB501B	Piston pins	N/A by piston pin part number.
SB518C	Thermostatic by-pass	Installed a new P/N 53E22144 valve.
SB527C	Piston pins	N/A by piston pin part number.
SB554	Crankshaft gear bolt	Installed a O5K19987 kit.

Airworthiness Directives

Engine	AD Note	Amend #	Dated	R	Subject	Compliance
63-14-03	583		07/06/1963	Y	Oil pump drive shaft	N/A by engine serial number.
66-20-04	39-277		08/27/1966	N	Oil filter adapter gasket	N/A by engine serial number.
73-23-01	39-2804		01/13/1977	N	Piston pin	N/A by piston pin part number.
75-08-09	39-3013		08/18/1977	N	Oil pump drive	The correct drive was previously installed.
91-14-22	39-6916		08/19/1991	Y	Crank & gear	Inspected the crankshaft and dowel pin. Installed a new gear with a new bolt. Torqued bolt to 204 inch pounds and safied. Work was done in accordance with SB 475A.
92-12-05	39-8265		07/10/1992	N	Piston pin	N/A by piston pin part number.
95-07-01	39-9183		04/12/1995	N	Connecting rod bolts	N/A by rod bolt manufacturer.
95-26-02	39-9460		01/24/1996	N	Detonation	N/A by aircraft registration number.
96-09-10	39-9586		07/15/1996	N	Oil pump gears	N/A by gear part numbers.
97-15-11	39-10085		08/12/1997	N	Piston pins	N/A by piston pin part number.
98-17-11	39-10713		10/19/1998	N	Nelson crankshafts	N/A. Nelson did not repair this crankshaft.
2002-19-03	39-12883		09/20/2002	N	Crankshaft	N/A by engine and crankshaft serial number.
2002-23-06	39-12950		11/19/2002	N	STD2209 Bolt	Installed a O5K19987 kit.

Fuel Injection

AD Note	Amend #	Dated	R	Subject	Compliance
75-09-15	39-2187	04/30/1975	N	Flow divider gasket	N/A by flow divider parts list number.
78-23-10	39-3333	11/07/1978	N	In flight power loss	N/A by model number.
79-04-05	39-3570	09/26/1979	N	In flight power loss	N/A by model number.
2002-26-01	39-12986	01/31/2003	Y	Fuel injection lines	Inspected the lines and correctly clamped in accordance with SB342D.

Inspection is required at every 100-hour, every annual, every overhaul and any time any part is loosened or removed for any reason.

Continued on the next page.

Continued from the previous page.

Airworthiness Directives

Fuel Pump

AD Note	Amend #	Dated	R	Subject	Compliance
91-08-07	39-6962	05/06/1991	N	Pump vent port fitting	The letter R is stamped in the fitting.
96-23-03	39-9826	12/17/1996	N	Fuel pump	N/A by the pump design.
2003-14-03	39-13222	08/14/2003	Y	Fuel pump	N/A by pump part number.

No further action is required by this AD.

Magneto

AD Note	Amend #	Dated	R	Subject	Compliance
74-26-09	39-2050	12/24/1974	N	Solid steel drive	Solid steel drive bushings were installed.
94-01-03	39-9271	06/28/1995	N	Coil and rotating	N/A by magneto model and part number.
94-06-09	39-8895	05/20/1994	N	Capacitors	N/A by date of factory rebuild.

End.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 08481.

Date: 03/10/2004 Signed *James R. Jordan* Inspector for Premier Aircraft RS JZYR537L.

List of Parts Installed for Work Order No.: 08481

Qty	Part Number	Description	Qty	Part Number	Description
1.0	05K19987	Bolt Kit	1.0	BL600646-1	Factory Rebuilt Magneto
6.0	05K21226	Cylinder Kit			S/N: E03GA181R
1.0	1028B	Oil Pressure Ball	1.0	CH48108	Oil Filter
1.0	13S19648	Crankshaft Gear	1.0	CH48110	Oil Filter
2.0	15F19957-48	Pushrod	1.0	LW11713	Oil Pressure Spring
2.0	18A19441M03	Front Main Bearing	12.0	LW12186	Rod Nut
6.0	18D19394M03	Main Bearing	6.0	LW12588	Rocker Bushing
12.0	18M19389	Rod Bearing	4.0	LW13641	Rubber Magneto Drive Bushing
6.0	2524923-1	Nozzle	6.0	LW13923	Rod Bushing
1.0	53E22144	Thermostatic By Pass Valve	8.0	LW14820	Snap Ring
		S/N: 134509	1.0	LW15619	Gasket
2.0	60803	Lifting Eye	16.0	LW16266-10-13	Clamp
2.0	67542	Bearing	2.0	LW16266-25-13	Clamp
2.0	71623	Washer	2.0	LW16266-25-38	Clamp
1.0	71640	Plug	2.0	LW16266-25-44	Clamp
1.0	71668	Idle Gear	2.0	LW25-0.63	Bolt
8.0	71907	Counterweight Plate	1.0	LW25-1.75	Bolt
2.0	72797	Counterweight Pin	2.0	LW25-1.88	Bolt
1.0	72801-OH	Overhauled Counterweight	4.0	LW31H0.88	Bolt
		S/N: S134723-1	1.0	M2121	Harness
1.0	72801-OH	Overhauled Counterweight	1.0	M2376	Plate
		S/N: S134794-6	10.0	M674	Spark Plug Washer
12.0	72877	Lifter Body	1.0	MHB4016	Starter
1.0	72958-USED	Baffle			S/N: D123136
2.0	72965	Counterweight Pin	2.0	REB36S	Spark Plug
1.0	73185-1	Gasket Set	12.0	RJ1031	Seal Nozzle
1.0	73772	Oil Squirt Nozzle	18.0	STD1410	Nut
4.0	73810	Crankshaft Bushing	4.0	STD1901	Stud
6.0	74389	Rocker Bushing	4.0	STD2013	O Ring
12.0	75061	Rod Bolt	6.0	STD2180	Drain Tube Hose
1.0	BL600616-3	Factory Rebuild Magneto	6.0	STD2249	Nut
		S/N: E03LA083R	1.0	STD737	Woodruff Key

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming Total Time 1432.40 Date 03/10/2004
Model Number IO-540-E1B5 TSMO 0.00 WO Number 08481
Serial Number RL-8770-48 Hobbs Time 3524.7

Engine was installed on the right side of N171Z with new mounts. Serviced with 12 quarts AeroShell 100 Mineral oil. Rigged all controls.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 08481.

Date: 03/10/2004 Signed *James R. Jordan* Inspector for Premier Aircraft RS JZYR537L.

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
21 Mar 04	1434.1	31.7	3526.4	Inspected engine per USFS 100 hr guidelines c/w 2002-26-01 by inspecting fuel injection lines. No defects found. Run again 3626 HM. Runup normal. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall ATP 2230521
18 June 04	1481.9	49.5	3574.2	Changed oil - W100, cut and inspected oil filters, washed engine, runup normal. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. ATP 2230521 Richard A. Marshall
21 July 04	1530.4	88.0	3612.7	Inspected engine per USFS 100 hr inspection guidelines, replaced air filter. c/w 2002-26-01 by insp fuel inj lines. Due 3712.7 #1 77/80 *2 77/80 *3 77/80 *4 77/80 *5 77/80 *6 77/80 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>100 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall ATP 2230521
7/21/04	1536.6		3612.7	AD 2004-05-24C PCW PER PAR(F)(1) BY INSTALLING BOLT REPLACEMENT KIT OSK 19987 3/10/2004 m/ Brady ATP 462747084
7/21/04	1536.6		3612.7	AD 2004-10-14C PCW PER AD 91-1422 AT ENGINE OVERHAUL DATED 3-10-2004 m/ Brady ATP 462747084

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
16 Aug 04	1567.9	135.5	3660.2	Changed oil - Aeroshell W100, cut and inspected oil filters, washed engine, runup normal. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall ATP 2230521
24 Sept 04	1618.4	177.8	3702.5	Changed oil - Aeroshell W100, cut and inspected oil filters, serviced plugs, checked timing, sampled oil, replaced air filter, c/w 2002-26-01 by insp fuel inj lines per MSB 342D. #1 78/80 *2 77/80 *3 77/80 *4 78/80 *5 78/80 *6 77/80 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>50/100 HR</u> INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. ATP 2230521 RA Marshall

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Lycoming
Model Number IO-540-E1B5
Serial Number RL-8770-48

TSMO 199.50
Hobbs Time 3724.2

Date 11/04/2004
WO Number 09067

Removed all cylinders. Honed the barrels and fit new rings. Reinstalled the cylinders. Changed both filters and the oil. Serviced with 12 quarts AeroShell 80 mineral oil. Test ran and leak checked - no leaks noted.

Airworthiness Directives

Fuel Injection

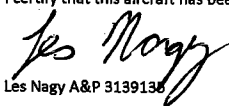
AD Note	Amend #	Dated	R	Subject	Compliance
2002-26-01	39-12986	01/31/2003	Y	Fuel injection lines	Inspected the lines and correctly clamped in accordance with SB342D. <u>Inspection is required at every 100-hour, every annual, every overhaul and any time any part is loosened or removed for any reason.</u>

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 09067.

Date: 11/04/2004 Signed *James R. Jardine* Inspector for Premier Aircraft RS JZYR537L.

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
11 Jan 05	1635.8	203.4	3728.1	Oil not changed at this time. Checked timing, cleaned fuel screen, rerigged throttle controls, repaired tailpipe by welding tab, replaced air filter, repositioned engine mts as required to align engine, washed engine, *1 72/80 *2 76/80 *3 78/80 *4 76/80 *5 76/80 *6 75/80 C/W 2002-16 oil by insp fuel inj lines per MSB 342 D OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. Richard A. Marshall AIP 1130531 1A
17 Feb 05			3730.3	Checked and tested plugs, replaced 1 ea REB368 plug. Richard A. Marshall AIP 1130531
02-22-05			3733.4	Replace prop governor PN 210400C/SN 711880 Overhaul by Gold Coast Aero Accessories Inc Test run engine ground no abnormalities found. Richard A. Marshall AIP 572648724
23-3-05	1641.1	208.7	3733.4	Removed all cylinders due to excessive oil consumption. Sent to Premier Aircraft - see yellow tags for work done. Re-installed cylinders using new seals & gaskets. Run up & leak check. No leaks noted. Ted Isaac AIP 1941586

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
				<u>N171Z</u> 02-01-2007 Hobbs Time: 3749.1 Right Engine: SMOH: 203.4 TT: 1635.8 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 72/80, #2: 75/80, #3: 78/80, #4: 60/80, #5: 75/80, #6: 79/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service. Darrell Williams A&P 2772084
				<u>N171Z</u> 04-08-2008 Hobbs Time: 3779.0 Right Engine: SMOH: 233.4 TT: 1695.8 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 70/80, #2: 74/80, #3: 78/80, #4: 68/80, #5: 74/80, #6: 75/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service. Darrell Williams A&P 2772084
				<u>N171Z</u> 06-01-2009 Hobbs Time: 3812.6 Right Engine: SMOH: 267.0 TT: 1729.4 Drained oil, removed filter, cut filter, no metal noted. Serviced with 11 qts of Aeroshell 100, 50W and new Champion oil filters CH48110. Replaced turbo filters with new CH48108 filters. Compression test: #1: 72/80, #2: 70/80, #3: 75/80, #4: 69/80, #5: 70/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. I certify that I have inspected this engine per 100 hour inspection and return to service. Darrell Williams A&P 2772084

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
Right Engine: N171Z S/N: 1450-159 HOBBS 111.6, T.T.: 11163.1, Date: 11/30/2020 ENGINE: IO-540-E1B5, S/N: RL-8770-48, SMOH: 418.3, TTSN: 1880.7				
				<ul style="list-style-type: none"> Completed inspection in accordance with FAR 43 appendix D 100 HR inspection and maintenance manual guidelines. Comp test 1:71/80,3:73/80,5:65/80,2:73/80,4:72/80,6:75/80 Oil change 10 quarts of Phillips X/C 20W-50, engine oil filter change CH110-1, Turbo oil filter changed CH108-1 Cleaned right Fuel filter Replaced right bracket air filter element. P/N BA151E Spark plugs cleaned, rotated, installed new copper washers. Mag timing check 20deg btcd cyl 1, confirm starting vibrator left mag behavior. Complied with AD 2015-19-07 (03/11/2015), prevent failure of fuel injector lines, inspected and tightened fuel line clamps
I certify that this aircraft has been inspected in accordance with an 100 HR inspection, and found to be in airworthy condition.  Les Nagy A&P 3139138				
2/22/2021	1,898.0			C/W Engine oil / Filter CH110-1 and Turbo oil / Filter CH108-1 replaced (new), Serviced with 10 qts. of X/C 20W-50, Run-up for Leak and no leak. A/P 4107680 W.D. Leto
4/02/2021	1908.0			C/W RH Turbo replaced P/N: CF600572-0000 with S/N OFF: TS 1103028 and Installed OVH unit by Mainturbo System. W.O.# 60546 P/N ON: 1733. All work done IAW. Aero-Commander 500B, n/m-section I, Fig. XL of STC Installation and SB-NO.23. Opt. founded ok. A/P 4107680, W.D. Leto

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
Reg. N171Z S/N: 1450-159 Engine Model: IO-540-E1B5 A/CTT: 11215.9 Date: 02/04/2022 <i>W.D. Leto</i> Engine RH Position Engine S/N: RL-8770-48 Engine TSO: 498.5 Engine TSN: 1960.9				
C/W Engine Annual Inspection IAW aircraft maintenance manual for Aero Commander 500B, Changed, Sept. 01 1980. As follow; C/W Compression Cylinder #1-77/80, #2-78/80, #3-77/80, #4-75, #5-74/80 and #6-70/80. Engine and Turbo Oil/Filter changed P/N: CH108-1 / CH110-1, Serviced with Oil X/C Phillips 20W/50, 12qts. C/w Intake and Exhaust gasket, Nuts, washer replaced, (New) P/N: SL71973, MS35690-502, SL15619, AN960-516. Also c/w Governor Gasket replaced P/N: MS10009/MS144. Replaced Air Filter element P/N: BA151E, Also C/w Lh/Rh Magnetos Overhauled by HP Accessories Inc. W,O, # 6297 and 6294, Removed and Installed for Lh position with s/n: EO4LA083 and for Rh position s/n: E03GA181R, C/w Propeller removed due crankshaft seal Oil leak, replaced seal P/N: S/A AS3582-223, Also replaced 12 spark plug REM37E (New). C/W Engine timing procedures and engine ground run up for leak and drop opt, founded within limits, No leak. Also replaced deteriorated Intake duct 2.5" by a new one as required.				
A/P-4107680-Wilcides Centeno- <i>W.D. Leto</i>				
I Certify that this Engine Annual Inspection was IAW Manufacturer Manual and was determined to be Airworthy Condition.				
A/P-3897321-IA-Javier Alfaro Mendez- <i>Javier Alfaro Mendez</i>				
4/21/2022				C/W RH starter removed and replaced, P/N: MHB-4016, S/N OFF: D123136 and S/N ON: J121399 (OVH unit) by Kelly Aerospace Energy Systems. W.O.# M298380. All work done IAW. Aero commander 500B, n/m section I, Fig. XL of STC Installation and SB-NO.23. Opt. founded ok. A/P 4107680, W.D. Leto
8/20/2022				C/W Removed RH Propeller due crankshaft seal oil leak. Installed new seal (crank side) P/N: LK13792P50, Propeller Installed, opt. ok IAW. Aero Commander 500B section X.
9/8/2022				Replaced Rh engine Lh magneto P/N: BL-600616-3 (S/N: EO4LA083R OFF and Installed OVH magneto P/N: 10-600616-3R S/N: D-02007 (OVH), Timing c/w IAW. Aero commander 500B n/m-section I, Fig. XL of STC Installation and SB-NO.23. Opt. founded ok. A/P 4107680, W.D. Leto

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: SAME AS BLOCK 5	
4. Organization Name and Address: Teledyne Continental Motors P.O. Box 90 Mobile, Alabama 36601				5. Work Order/Contract/Invoice Number: P43049	
6. Item: 1		7. Description: MAGNETO		8. Part Number: BL-600646-1	
9. Quantity: 1		10. Serial/Batch Number: E03GA181R		11. Status/Work: REBUILT	
12. Eligibility: 0-540-A				13. Remarks: Right SGLSC-204	
14. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
15. Authorized Signature: XXXXXXXXXXXXXXXXXXXX		16. Approval/Authorization No.: XXXXXXXXXX		20. Authorized Signature: John R. Miller	
17. Name (Typed or Printed): XXXXXXXXXXXXXXXXXXXX		18. Date (m/d/y): XXXXXXXXXX		21. Approval/Certificate Number: PQ1269CE	
19. Name (Typed or Printed): John R. Miller		22. Date (m/d/y): 08/16/2003			
User/Installer Responsibilities					
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer 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 parts/components/assemblies from the airworthiness authority of the country specified in block 1.</p> <p>Statements in Blocks 14 and 19 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.</p>					

1. Approving National Aviation
Authority/Country:

2.

3. Form Tracking Number:

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

R04-003581

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address:

B & S Aircraft Parts & Accessories, Inc.

5. Work Order/Contract/Invoice
Number:

04003581

1414 S. Mosley

Wichita, KS 67211

FAA Certified Repair Station No. NE2R028L

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
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1	Fuel Injector	391787-4 RS-1081	N/A	1	16981	Overhauled
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13. Remarks:

Overhauled in accordance with Precision Air motive form #15-318C, Oct, 76, RS-62, RS-76

Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4228. Full details held on work order R04-003581

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☒ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):

23. Date (m/d/y):

Gregory M. Hoopes

01/22/2004

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 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.

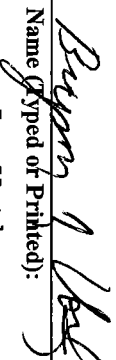
1. Approving National Aviation Authority/Country: FAA/United States	2.	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: R04-003607
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4. Organization Name and Address: B & S Aircraft Parts & Accessories, Inc. 1414 S. Mosley Wichita, KS 67211				5. Work Order/Contract/Invoice Number: 04003607	
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Fuel Pump	RG9080J1	N/A	1	C2350	Overhauled

13. Remarks: Overhauled in accordance with Crane Lear Romec manual, Rev 3, 1/6/95, SB 101SB020, Rev 3, 3/15/02, Textron Lycoming Mandatory SB #529B, 6/10/02 Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4228. Full details held on work order R04-003607
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14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: NE2RO28L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Bryson L. Voith	23. Date (m/d/y): 01/22/2004

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block1.

Statements in Blocks 14 and 19 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.

1. Approving National Aviation Authority/Country:

2.

3. Form Tracking Number:

FAA/United States

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

AUTHORIZED RELEASE CERTIFICATE

R04-003590

4. Organization Name and Address:

B & S Aircraft Parts & Accessories, Inc.

1414 S. Mosley

Wichita, KS 67211

5. Work Order/Contract/Invoice Number:

04003590

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Distributor Valve Assembly	2524591-3	N/A	1	087504	Overhauled

13. Remarks:

Overhauled in accordance with form 15-549B, Rev 1, 1/7/94

Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4228. Full details held on work order R04-003590

14. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation.☐ Non-approved design data specified in Block 13.19. ☒ 14 CFR 43.9 Return to Service☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):

23. Date (m/d/y):

Gregory M. Hoopes

01/22/2004

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 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.

1. Approving National Aviation
Authority/Country:
FAA/UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

D123136

4. Organization Name and Address:

KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX, FORT DEPOSIT, AL. 36032

5. Work Order/Contract/Invoice
Number: W/O: M433550

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	STARTER ***** MOD/NO END *****	MHB-4016 MOD/NO	N/A	1	D123136	OVERHAUL

13. Remarks: A COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE POWER SYSTEMS

CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE
WITH IAR 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED
READY FOR RELEASE TO SERVICE UNDER JAA ACCEPTANCE CERTIFICATE NUMBER: JAA 4418
APPROVED FOR EXPORT

THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO AND ORIG. MFG
COMPLIES WITH PPS-9001 LATEST REVISION

NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA APPROVAL OF THE REPLACEMENT DATA PLATE
OVERHAULED PER KELLY AEROSPACE OE-A2 MANUAL DATED 5/1/03.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13

19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12
and described in Block 13 was accomplished in accordance with Title 14, Code of
Federal Regulations, part 43 and in respect to that work, the items are approved for
return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No:

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

23. Date (m/d/y):

James Peterson
JAMES PETERSON
UT2R226L
12/20/03

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

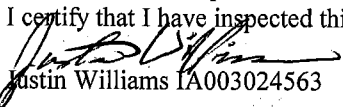
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 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.

N171Z

02-27-2012 Hobbs Time: 3842.8 ACTT: 11,042.0

Removed all wheels, inspected wheel bearings. Checked brake lining and discs, all with in limits. Serviced brakes with 5606 hydraulic fluid. Serviced aircraft battery. Serviced hydraulic power pack with 5606 hydraulic fluid. Tested ELT battery in accordance with FAR 91.207 (D). Battery due replacement: Aug. 2012. Performed retract, all tests satisfactory this date. Checked all NAV lights and beacons, all function properly. Removed inspection panels, inspected, cleaned and lubricated pulleys and rod ends. AD 2006-24-07 To detect unsafe condition that could result in a propeller blade separation from the hub and loss of control of the airplane: N/A; not serviced by Oxford Aviation. AD 2005-14-11 Prevent blade failure that could result in separation of a propeller blade: N/A not serviced by Southern California Propeller Services. AD 94-17-13 Prop hub failure: N/A by serial number of hub. 2004-10-14 Correction- Prevent loosening or failure of the crankshaft gear retaining bolt: PCW 7-30-2003. AD 2003-14-03 Prevent rotary fuel pump leaks: Checked torque every 50 hours: Checked satisfactory this date. AD 2002-26-01 Prevent failure of fuel injector lines: By inspection, not loose or leaking this date. AD 63-14-03 Oil pump drive shaft: PCW at overhaul. AD 2004-25-16 Prevent failure of the fuel regulator shut off valve: by inspection, visually checked OK this date. AD 96-20-07 Janitrol combustion heaters: 17.8 TT since overhaul, hours. AD 78-05-06 R2 Goodyear fuel cells PCW on 5-17-2004 and Jan. 21. AD 98-08-19 Repair scheme: compliance by check of attached spar straps. AD 94-04-13 Wing structure cracks: PCW next due inspection at ACTT of 11,408.2. Changed bungee cords this date with new part number: 9044. I certify that I have inspected this aircraft per Annual inspection.


Justin Williams IA003024563

N171Z

02-27-2012 Hobbs Time: 3842.8 Left Engine: SMOH: 1436.8 TT: 3001.6 Did not change oil at this time due to not enough time since last oil change. Did not change oil on turbo filter due to not being enough time since last filter change. Compression test: #1: 72/80, #2: 74/80, #3: 74/80, #4: 76/80, #5: 73/80, #6: 72/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. AD 2011-15-10 To remove certain fuel servos from service: N/A does not apply to this engine. Servo have not been overhauled by AvStar. AD 2011-26-04 To prevent failure of the fuel injector lines: Inspected fuel lines and clamps on both engines this date as per AD. All lines and clamps check satisfactory this date. I certify that I have inspected this engine per Annual inspection and return to service.


Justin Williams IA003024563

N171Z

02-27-2012 Hobbs Time: 3842.8 Right Engine: SMOH: 297.2 TT: 1759.6 Did not change oil at this time due to not enough time since last oil change. Did not change oil on turbo filter due to not being enough time since last filter change. Compression test: #1: 74/80, #2: 72/80, #3: 77/80, #4: 69/80, #5: 70/80, #6: 74/80. Checked exhaust for leaks, cracks and defects. Checked baffle for cracks, none found this date. Cleaned, gapped, and rotated spark plugs. Checked engine timing. Cleaned fuel screens, suction screens. Checked turbos for leaks, none found this date. Lubricated with "mouse milk lubricate". Test run engine, no leaks this date. Test run engine, no leaks this date. AD 2011-15-10 To remove certain fuel servos from service: N/A does not apply to this engine. Servo have not been overhauled by AvStar. AD 2011-26-04 To prevent failure of the fuel injector lines: Inspected fuel lines and clamps on both engines this date as per AD. All lines and clamps check satisfactory this date. I certify that I have inspected this engine per Annual inspection and return to service.


Justin Williams IA003024563

N171Z

02-27-2012 Hobbs Time: 3842.8 Left Propeller: SMOH: 318.2

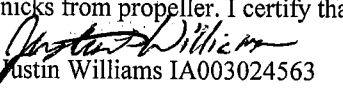
Check spinner and bulk head for cracks, none found this date. Checked for leaks, none found this date. Dressed nicks from propeller. I certify that I have inspected this propeller per Annual inspection and return to service.


Justin Williams IA003024563

N171Z

02-27-2012 Hobbs Time: 3842.8 Right Propeller: SMOH: 318.2

Check spinner and bulk head for cracks, none found this date. Checked for leaks, none found this date. Dressed nicks from propeller. I certify that I have inspected this propeller per Annual inspection and return to service.


Justin Williams IA003024563