



**Teledyne Continental Motors, Inc.**

P.O. Box 90 Mobile AL 36601 • 334-438-3411



**GAMA**

Member Of GAMA  
General Aviation Manufacturing Association

FORM No. ELB-01  
© 2002 TELEDYNE TECHNOLOGIES INCORPORATED

LEF 1  
N58TR

# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

Form No. ELB-01



### Service Information

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

### Engine Returns

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

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

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



This engine model TS10520WB3F, serial no. 822560 R, was rebuilt zero time on 08/22/2002 by Teledyne Continental Motors, Inc. in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporates the Service Bulletins and Airworthiness Directives listed in Appendix 1.

Records reflecting this rebuilding are on file at: Teledyne Continental Motors, Inc.  
P. O. Box 90  
Mobile, Alabama 36601

TELEDYNE CONTINENTAL MOTORS, INC.

PRODUCTION CERTIFICATE NO. 508

T.B.O 1600

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
<b>Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79601</b> <b>Registration# N58TR</b> <b>Date: 3/25/09 Engine S/N 822560 Total Time: 0.0 Meter: 2082.2 WO# 10749</b> <b>TSMOH: 0.0</b> Installed TCM rebuilt TSID520W3B3E S/N 822560-R in left position with new lard mounts. Serviced engine with 12 quarts Aeroshell 100 non-detergent oil. -- Installed new oil gage rod. -- Removed oil drain plug and installed new oil drain valve, P/N SB250 as required. -- Installed overhauled alternator on left engine, P/N 649304R, S/N D08HA198R. -- Ground run ops and leak check ok.  <div style="text-align: right;">   <b>Approved for return to service</b>  <b>AP3309979</b> </div>					
<b>Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79601</b> <b>Registration# N58TR</b> <b>Date: 4/2/09 Engine S/N 822560-R Total Time: 1.8 Meter: 2084.0 WO# 10779</b> <b>TSMOH: 1.8</b> Installed new tuned nozzles P/N 65707DA2, ground run ops and leak check ok. --Removed starter drive adapter S/N 62953D, and installed overhauled starter drive adapter P/N 642087AG8, S/N IZII. Removed oil filter, cut open and inspected, installed a new CH48108-I filter Ops and leak check ok.  <div style="text-align: right;">   <b>Approved for return to service</b>  <b>AP3309979</b> </div>					
<div style="display: flex; justify-content: space-between;"> <div> <b>ABILENE AERO INC.</b>  <b>DATE: 4/2/09 N# 58TR</b>  <b>H.M. 2112.6 W.O. 10817</b>  <b>ALL WORK ACCOMPLISHED IAW MANUFACTURERS APPROVED DATA.</b>   <b>DRAINED OIL CHANGED AND INSPECTED FILTER SERVICED 12 QUARTS AEROSHELL 100 OIL GROUND RUN OPS AND LEAK CHECK OK</b>   <div style="text-align: center;">   <b>THE ABOVE REPAIR APPROVED FOR RETURN TO SERVICE. AP 3398125</b> </div> </div> <div style="width: 40%; border-top: 1px solid black;"></div> </div>					

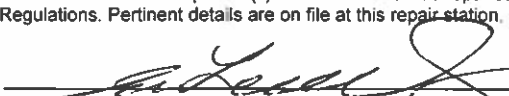

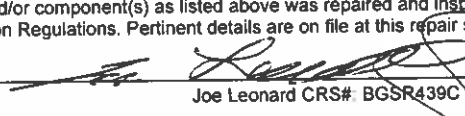

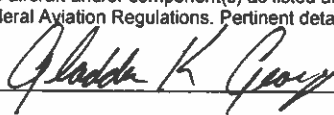





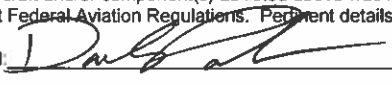
Date	Total Time	Time Since Last Overhaul	
Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79601 WO# 12076 Registration# N58TR Date: 11/15/11			
Engine S/N 822560	Meter: 46.8	Total Time: 530.6	TSMOH: 530.6
Airworthiness Directives Through 2011-23			
I Certify this engine has been inspected IAW FAR 43 appendix D 100 hour inspection and found to be in an Airworthy condition. --Compression check #1 73/80 #2 70/80 #3 72/80 #4 75/80 #5 72/80 #6 68/80. --Drained oil, removed filter, inspected filter media, installed a new CH48108-1 filter, serviced engine with 12 quarts Aeroshell 100W plus oil. Washed engine ground run ops and leak check. --Removed, inspected, cleaned, gapped, tested and re-installed spark plugs. --Tested spark plug leads ok. --Removed, inspected, cleaned and reinstalled T/B screen. --Cleaned and inspected filter element. --Removed, cleaned, inspected, installed, and torqued, fuel nozzles. --Secured oil line on outboard aft of left engine with ty-wrap standoff and torqued loose hose clamp. --Repositioned air duct from air box to turbocharger and installed one new worm clamp. P/N QS100M80S on left engine. --Removed and repaired outboard left engine heat shield and reinstalled. --C/W Left engine magneto recommended 500 inspection. No defects noted at this time. --Removed and installed OH alternator. P/N 649304RX, S/N 008LA032R to Lt. engine as required. Approval/Certificate No. TM2R192L. --Installed a new P/N 102-910054-23 Left engine lower aft exhaust heat shield and a P/N 102-910054-25 support clip. --Repaired mounting hole on left engine throttle body drip pan as required. --Installed a new adel clamp on left engine alternator wiring on inboard side of engine. --Serviced left engine prop un-feather accumulator to 125 PSI. --Installed new alternator drive hub. P/N AEC646655. S/N 77215-14 to Lt. alternator as required. Approval/Authorization No. DMIR832976SW.			
Ray McClure Approved for return to service Ray McClure 181547748			
Date: 9/14/2012; Aircraft: N58TR; Type: MULTI-ENGINE; S/N: TJ-472; Hobbs: 218.4; Total Time: 2784.4; Work performed on Engine # 1; Engine 1 Type: TSIO520-WB3F, S/N: 822560-R, Time: 696.7; Prop 1 Type: 3AF32C511-B, S/N: 841081, Time: 696.7 Changed Oil and oil analysis sample taken. Inspected filter. Serviced with 10 qts Aeroshell 100W Plus and 1 qt CamGuard. Leak check run OK. Aero Clinic, Inc. Gregory Langham PO Box 1626 A&P3592918 Seminole, Tx. 79360 (432) 758-6455			
Date: 11/09/2012; Aircraft: N58TR; Type: MULTI-ENGINE; S/N: TJ-472; Hobbs: 247.0; Total Time: 2813.0; Work performed on Engine # 1; Engine 1 Type: TSIO520-WB3F, S/N: 822560-R, Time: 730.8; Prop 1 Type: 3AF32C511-B, S/N: 841081, Time: 730.8 Replaced defective right mag with overhauled p/n 10-349260-6R magneto. Timed to engine and ops checked good. Aero Clinic, Inc. Gregory Langham PO Box 1626 A&P3592918 Seminole, Tx. 79360 (432) 758-6455			
Date: 1/04/2013; Aircraft: N58TR; Type: MULTI-ENGINE; S/N: TJ-472; Hobbs: 263.7; Total Time: 2829.7; Work performed on Engine # 1; Engine 1 Type: TSIO520-WB3F, S/N: 822560-R, Time: 747.5; Prop 1 Type: 3AF32C511-B, S/N: 841081, Time: 747.5 Compression Checked #1 70/80 #2 73/80 #3 66/80 #4 70/80 #5 75/80 #6 62/80. Inspected oil filter and replaced. Checked Magneto timing. Clean and gap Spark plug's. Hooked up fuel gage and adjusted pressure. Rigged throttle to turbo interconnect rod to match other engine in accordance current Beech P58 maintenance manual. Run up ops and leak check good. N58TR Hobbs indicates 263.7 Hours this Date 1/4/2013. I certify that this powerplant has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. AD conformity checked thru biweekly 2012-23. Aero Clinic, Inc. Gregory Langham PO Box 1626 A&P3592918 Seminole, Tx. 79360 IA458476877 (432) 758-6455			




Date	Total Time	Time Since Last Overhaul	
Hrs.	Min.	Hrs.	Min.
<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
Date: 1/05/2013; Aircraft: N58TR; Type: MULTI-ENGINE; S/N: TJ-472; Hobbs: 267.0; Total Time: 2833.0; Work performed on Engine # 1; Engine 1 Type: TSIO520-WB3F, S/N: 822560-R, Time: 750.8; Prop 1 Type: 3AF32C511-B, S/N: 841081, Time: 750.8 R & R fuel system for repair by Aircraft Accessories of Oklahoma, FAA # RV3R829L on work order # WO12-01849. Ops aqnd leak check good. Aero Clinic, Inc. Gregory Langham PO Box 1626 A&P3592918 Seminole, Tx. 79360 (432) 758-6455			
Date: 4/09/2013; Aircraft: N58TR; Type: MULTI-ENGINE; S/N: TJ-472; Hobbs: 296.0; Total Time: 2862.0; Work performed on Engine # 1; Engine 1 Type: TSIO520-WB3F, S/N: 822560-R, Time: 779.8; Prop 1 Type: 3AF32C511-B, S/N: 841081, Time: 779.8 Drained oil and collected oil analysis sample. Cut and inspected filter. Nothing abnormal found. Serviced with AeroShell W100 Plus and one Camguard. Leak check run satisfactory. Aero Clinic, Inc. Gregory Langham PO Box 1626 A&P3592918 Seminole, Tx. 79360 (432) 758-6455			
N#: 58TR WO#: V13-0851 DATE: 6/11/2013 TACH: 318.1 TSFRM: 801.9 Changed the L/H engine oil- Serviced with 11 quarts of Aeroshell 100w and Camguard per engine. New oil filter PN# CH48108-1. This work performed i/a/w Baron 58P AMM 79-00-00. Old filters checked and no metal found. End Signature: Please affix to your aircraft/engine logbook.			
N#: 58TR WO#: V13-1020 DATE: 10/18/2013 LH Engine HOBBS: 345.5 TSFRM: 824.3 Changed oil and filter. Serviced with 11 qts Aeroshell 100, new filter P/N CH48108-1, and CAMGUARD. Installed new spark plugs PN# URHB32S i/a/w TCM TSIO520 AMM 13-1. Removed and replaced the L/H vacuum pump PN# 442CW-4 with overhauled exchange unit PN# 442CW-4 SN# 156004 i/a/w Baron 58P AMM 36-00-00. Removed the left engine LH magneto PN# BL-349220-5 SN#FO2ILA018R and sent out for repair. Received the repaired unit back and reinstalled i/a/w Baron 58P AMM 74-00-00. Checked magneto timing i/a/w Baron 58P AMM 71-00-00 & TCM for TSIO 520 17-12. The L/H engine ops and leak checked good. END Signature:			









[illegible]


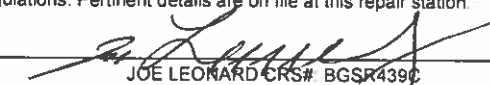

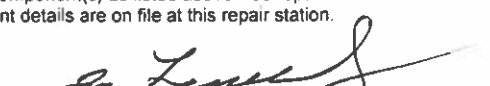
Date	Freedom Aviation CRS# BGSR439C	(434) 237-3342	ce Record pecial Inspections,
Date: 3/20/2015; Aircraft: N58TR; Type: 58P; S/N: TJ-472; TT: 3,035.3; Hobbs: 469.2; WO#: 9496 Engine Model: TSIO-520-WB; S/N: 822560-R; Engine TT: 953.1			
Brought Forward	<b>Left Engine Entries</b> Complied with Annual inspection on left engine. Drained oil and removed filter. No metal found in removed filter. Installed new filter CH48110-1. Serviced with 11 qts of Aeroshell 100W oil. Engine compressions are #1-62, #2-64, #3-64, #4-68, #5-72, #6-65/80.. Ran aircraft. No leaks noted IAW Beechcraft 58P AMM 5-20-00... Verified left and right engine timing with digital time right kit. Left and right engine set to 20 Degrees BTDC IAW Continental motors TSIO-520 Series... Complied with AD 2014-05-29, eff. date April 25, 2014. SAP cylinders. This AD does not apply to LH engine by part number of cylinders. No further action is required...		
	<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.		
	 Joe Leonard CRS#: BGSR439C		
	 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C	TSMOT: 953.1	
	Date: 6/24/2015; Aircraft: N58TR; Type: BE-58; S/N: TJ-472; Tach: 499.3; F15-1506		
	<b>Left Engine Entries</b>  Drained oil and removed filter. No metal found in removed filter. Installed new filter PN# CH48108-1. Serviced with 11 quarts of Aeroshell 100 oil and a bottle of CAMGAURD on left engine IAW Beechcraft Baron 58P AMM . Ran aircraft. No leaks noted.		
	<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.		
	 Joe Leonard CRS#: BGSR439C		
	 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C		
	Date: 10/20/2015; Aircraft: N58TR; BEECH 58P; S/N: TJ-472; HOBBS: 525.0; WO#: F15-2009; ENGINE MODEL: TCM TSIO-520-WB3F; S/N: 822560-R; ENG TT: 1008.9		
	<b>LH Engine Entry</b> Found Tannis heater element on cylinder #1 is broken. Removed Broken Heater element P/N TTP2771-115/50 and installed new Heater element P/N TTP2771-115/50 IAW Tannis Heater element Instructions TN02771 Rev. C. Performed Satisfactory Ops check. Drained oil and filled with 11 quarts with 100WQT and 16oz of Camguard (GA-001) and replaced filter(CH 48108-1) on Left Engine. Maintenance done IAW Beecraft Baron 58P AMM section 12-10-00.		
	<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.		
	 GLADDEN K GEORGE CRS#: BGSR439C		

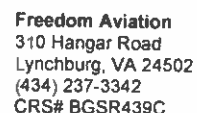
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
2/19/2016	556	15/16	1031	8	TT since factory rebuild - cleaned #1 bottom plug (head), swapped #1 top & bottom Paul B. Van Dusen pilot 3521500
 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C					
Date: 03/08/16; Aircraft: N58TR Type: Baron 58P; S/N: TJ-472; Hobbs: 559.9; TAT 3125.9 WO#: F16-1267					
Engine Model: TSIO-520-WB3F S/N 822560-R					
<b>Left Engine Entries</b> Comply with Left Engine Oil Change. Drained left engine oil and removed filter. No metal found in removed filter. Sent oil sample for analysis, kit P/N GA-001. Installed new filter P/N CH48108-1. Serviced with 11 quarts of Aeroshell 100W and 16 ounces of CAMGAURD in left engine IAW Beechcraft Baron 58P AMM 12-10-00. Ran aircraft. No leaks noted					
<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
Signed:  Matthew L. Meeks CRS# BGSR439C					
 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-7002 CRS# BGSR439C					
Date: 5/07/2016; Aircraft: N58TR; Type: 58P; S/N: TJ-472; Total Time: 3133.5; Engine 1 Type: TSIO-520-WB3F, S/N: 822560-R, Time: 1051.3; Engine 2, Type: TSIO-520-WB3F, S/N: 822561-R, Time: 1051.3 Shop Order #: F16-1370					
<b>Left Engine</b> Complied with Left Engine Annual Inspection IAW Baron 58P AMM Annual Long Form Inspection Guide p/n: 102-590000-19J. Drained oil and removed filter. No metal found in removed filter. Installed new filter PN# CH48108-1. Serviced with 11 quarts of Aeroshell 100W oil plus Camguard. Cleaned and gapped plugs. Engine compressions are #167, #2 70, #3 58 #4 68 #5 60 #6 70/80. Ran aircraft. No leaks noted. Damaged clamp was removed and replaced with new clamp PN: MS21919WDG14. Removed damaged clamp and replaced with a new clamp PN: MS21919WDG12. Determined damage to #6 rocker box cover to be due to improper hardware. Damage is negligible. Installed cowling with proper hardware IAW Beech 58P AMM 71-10-00.					
<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
Signed:  Matthew L. Meeks CRS# BGSR439C					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-7002 CRS# BGSR439C					
Date: 6/17/2016; Aircraft: N58TR; Type: 58P; S/N: TJ-472; Total Time: 3143.5; Engine 1 Type: TSIO-520-WB3F, S/N: 822560-R, Time: 1061.3, SMOH: 1061.3; Engine 2, Type: TSIO-520-WB3F, S/N: 822561-R, Time: 1061.3, SMOH: 1061.3 Shop Order #: F16-1723					
<b>LH Engine Entry</b> Owner requested to check the spark plug leads of the LH engine cylinder #1. Spark plug leads from LH engine cylinder #1 were checked IAW Continental TSIO-520-WB MM 74-10-02 ops check good. The intake gasket on cylinder #1 LH engine presents signs of leakage. Removed intake gasket from cylinder #1 LH engine. Installed new intake gasket (PN: 649959) IAW Continental TSIO- 520-WB MM 72-60-12. Run engine and leakage checked good. Customer reported fluctuation in LH engine #1 cylinder EGT. Swapped LH engine #1 and #3 cylinder EGT probes IAW JPI EDM-760 Twin Installation Manual. STC SA00729SE. Ran engine, ops check good. Unable to duplicate problem.					
<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
Signed:  Matthew L. Meeks CRS# BGSR439C					
 <b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C					
Date: 07-15-16; Aircraft: N58TR; Type: Beech 58P S/N TJ-472; Hobb's 577.2 TTAF 3143.6 WO#: F16-1806 Engine Model TSIO-520-WB3F S/N 822560-R TAT 1,061.4					
<b>Left Engine Entries</b> Removed LH engine cowling. Removed spark plugs from #1 cylinder and tested. Ops check good. Performed compression test of #1 cylinder. Results were 71/80 psi. Removed left mag from LH engine. Upon inspection found one post on distributor cap with no signs of arcing. Performed bench check of left mag and found all points firing. Cleaned distributor cap posts and rotor and reinstalled left mag on LH engine. Removed right mag from LH engine. Upon inspection found normal wear on distributor cap and rotor. Cleaned points on distributor cap and rotor and reinstalled right mag on LH engine. Tested ignition leads to #1 cylinder and found no defects. Reinstalled spark plugs in #1 cylinder. Cleaned and reconnected spark plug leads. Timed magnetos to LH engine. Reinstalled LH engine cowling. Ran engine and performed ops check. Ops check good. LH engine #1 cylinder EGTs stayed level within normal operating range. Mag drops were 100 RPM and smooth. No defects noted. Work done IAW Beechcraft Baron 58P AMM 74-10-00 and TCM S-1200 Magneto Ignition System Manual.					
<b>Maintenance Release</b> The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
Matthew L. Meeks CRS# BGSR439C					



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
<div><div></div><div><b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C</div></div>					
Date: 9-07-16; Aircraft: N58TR; Type: Beech B58P S/N TJ472; Hobb's 583.3 TAT 3149.3 WO# F16-1888 Engine Model TSIO-520-WB3F S/N 822560-R					
Left Engine Entries Customer request replacement of the #1 cylinder lower spark plug lead on the left engine. Removed lower spark plug lead on the left engine, #1 cylinder. Installed new spark plug lead, P/N 10-400418-48 on the #1 cylinder, LH engine IAW Continental Ignition System, Service Support Manual Publication X43001. Ops check good.					
Maintenance Release The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
<div> Matthew L Meeks CRS# BGSR439C</div>					
<div><div></div><div><b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C</div></div>					
Date: 10-3-16; Aircraft: N58TR Type: Beech 58P S/N TJ-472; Tach: 3151.9; Hobb's 585.9 WO# F16-2088 Engine Model TSIO-520-WB3F S/N 822560-R					
Left Engine Entries Customer request replacement of the #1 cylinder top spark plug lead assembly on the left engine TSIO 520 WB3F, S/N 822560-R. Removed the top spark plug lead on the left engine. Installed a new top spark plug lead assembly, P/N 10-400418-48 on the #1 cylinder, left engine IAW Continental Ignition System, Service Support Manual Publication X43001. Ops check good.					
Maintenance Release The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
<div> Matthew L Meeks CRS# BGSR439C</div>					
<div><div></div><div><b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C</div></div>					
Date: 11-11-16; Aircraft: N58TR Type Beech 58P S/N TJ-472 Tach 3162.4 Hobb's 596.4 WO# F16-2252 Engine Model: TSIO-520-WB3F S/N 822560-R ETT 3162.4 10802					
LT Engine Entry Drained oil and removed filter on LH engine. No metal found in removed filter. Installed new filter PN# CH48108-1. Serviced with 11 quarts of Aeroshell 80W oil and 1 Camguard oil additive. Ran aircraft. No leaks noted. IAW Beechcraft 58P AMM 5-20-00. LEFT ENGINE OIL PRESSURE NEEDS TO BE ADJUSTED Up 10 PSI PER OWNER. Adjusted Lt engine oil pressure up 10 Lbs. IAW chapter 72-10-13 of TCM TSIO-520 overhaul manual.					
Maintenance Release The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
<div> Matthew L Meeks CRS# BGSR439C</div>					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought					
<div><div></div><div><b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C</div></div>					
Date: 4/11/2017; Aircraft: N58TR; Type: Beech 58P; S/N: TJ-472 Hobbs, 624 0; WO# F16-2430					
Left Engine Entry Drained oil and removed filter. No metal found in removed filter. Installed new filter PN# CH48108-1. Serviced with 11 quarts of Aeroshell 100W oil and 1 camguard. Ran aircraft. No leaks noted. In ref. to Beech 58P AMM.					
Maintenance Release The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
<div> JOE LEONARD CRS# BGSR439C</div>					
<div><div></div><div><b>Freedom Aviation</b> 310 Hangar Road Lynchburg, VA 24502 (434) 237-3342 CRS# BGSR439C</div></div>					
Date: 9/8/2017; Aircraft: N58TR; Type: BE-58; S/N: TJ-472; Tach: 630.4; ACTT: 3196.5; WO#: F17-2741 Model: TSIO-520-WB3F; S/N: 822560-R TSN 1114.3					
Left Engine Entries Complied with Annual/100 hr Inspection (on LH Continental engine s/n 822560-R) IAW chapter 5-20-00 of Baron 58P AMM. Drained oil and removed filter. Took Metal Check oil analysis. Cut filter open-no metal. Serviced with new CH48108-1 filter and 12 qts of Aeroshell W100 oil. Compression 1-75, 2-65, 3-70, 4-60, 5-58, 6-70 IAW Continental SB 93-3. Cylinder leakage low was 43 lbs. IAW Continental SB. Pressurized intake systems on both engines at owners request per chapter 20 of Beechcraft 58P AMM. No leaks noted. Inspected and found LH engine rubber turbo inlet torn. Removed and replaced rubber inlet P/N: 2644-3 with customer supplied part. No other defects noted at this date and time. All work done IAW Beech 58P 72-00-00 and 81-00-00. Inspected and found LH engine LH collector pipe to turbo had a chaffed hole from heat shielding. Removed LH collector pipe and Replaced with customer supplied LH collector pipe P/N: K6407-67. No further defects noted at this date and time. All work done IAW Beech 58P AMM section 71-00-00 and 72-00-00. Removed top spark plugs of LH and RH engine, and Performed Customer request to Visually inspected with videoscope, LH and RH engines exhaust valves. Pictures recorded as "N58TR exhaust valves 07072017" and emailed to owner. Reinstalled spark plugs IAW TCM TSIO-520 Overhaul manual. No defects noted. Removed LH magneto PN: BL-349260-6, SN off: F12CA009R from LH engine, and installed magneto PN: 10-349260-6, SN on: F-04003. Timed to engine IAW Beech 58P AMM. Run and leak check good.					
Maintenance Release The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.					
<div> JOE LEONARD CRS# BGSR439C</div>					



Date \_\_\_\_\_

**Brought Forward**

Date: 9/8/2017, Aircraft: N58TR, Type: BE-58, S/N: TJ-472, Tach: 630.4, ACTT: 3196.5, WO#: F17-2741  
Model: TSIO-520-WB3F, S/N: 822560-R TSN: 1114.3

### Left Engine Entries

Complied with Annual/100 hr Inspection (on LH Continental engine s/n 822560-R) IAW chapter 5-20-00 of Baron 58P AMM. Drained oil and removed filter. Took Metal Check oil analysis. Cut filter open-no metal. Serviced with new CH48108-1 filter and 12 qts of Aeroshell W100 oil. Compression 1-75, 2-65, 3-70, 4-60, 5-58, 6-70 IAW Continental SB 93-3. Cylinder leakage low was 43 lbs. IAW Continental SB. Pressurized intake systems on both engines at owners request per chapter 20 of Beechcraft 58P AMM. No leaks noted. Inspected and found LH engine rubber turbo inlet torn. Removed and replaced rubber inlet P/N: 2644-3 with customer supplied part. No other defects noted at this date and time. All work done IAW Beech 58P 72-00-00 and 81-00-00. Inspected and found LH engine LH collector pipe to turbo had a chaffed hole from heat shielding. Removed LH collector pipe and Replaced with customer supplied LH collector pipe P/N: K6407-67. No further defects noted at this date and time. All work done IAW Beech 58P AMM section 71-00-00 and 72-00-00. Removed top spark plugs of LH and RH engine, and Performed Customer request to Visually inspected with videoscope, LH and RH engines exhaust valves. Pictures recorded as "N58TR exhaust valves 07072017" and emailed to owner. Reinstalled spark plugs IAW TCM TSIO-520 Overhaul manual. No defects noted. Removed RH magneto PN: BL-349260-6, SN off: F12CA009R from LH engine, and installed magneto PN: 10-349260-6, SN on: F-04003. Timed to engine I/A/W Beech 58P AMM. Run and leak check good.

**Maintenance Release**

The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

JOE LEONARD CB# BGSR439C



**Freedom Aviation**  
310 Hangar Road  
Lynchburg, VA 24502  
(434) 237-3342  
CRS# BGSR439C

Date: 10/19/2017; Aircraft: N58TR; Type: BE-58; S/N: TJ-472; Tach: 6418; WO#: F17-3216

### Left Engine Entries

Left Engine Entries  
Inspected LH engine #1 spark plugs, ignition leads, and both LH and RH magnetos on LH engine. Removed LH and RH magneto cap and inspected for defects, none noted. Spark tested #1 ignition leads, no defects noted. Spark test and checked gap of spark plugs, no defects noted. Removed and replaced #1 spark plugs with P/N: RHB32E for troubleshooting purposes. Performed satisfactory ground runs with no defects noted at this date and time. All work done IAW Continental Motors 520 Overhaul manual and Beech 58 AMM.

## Maintenance Release

The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

IOF I LEONARD CRS# BGSR439C



**Freedom Aviation**  
310 Hangar Road  
Lynchburg, VA 24502  
(434) 237-3342  
CRS# BGSR439C

Date: 12/20/2017; Aircraft: N58TR; Type: BE-58; S/N: TJ-472; Tach: 655.0; WO#: F17-3474

### Left Engine Entries

Drained oil and removed filter on LH engine. No metal found in removed filter. Installed new filter PN# CH48108-1. Serviced with 11 quarts of Aeroshell 80W oil and 1 Camguard oil additive. Ran aircraft. No leaks noted. I/AW Beech 58 AMM 5-20

## Maintenance Release

The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

IOE I LEONARD CRS# BGSR439C

## ance Record

3. Special Inspections.

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				
1-23-18	TACH:	657.0	Installed All NEW SPARK PLUGS. Tempest AA4SD URH B3ZE ops checked good.	
			D Scott Hunt A+P 3154904 JA.	
7-11-18	691.7		Cleaned fuel injectors new O-rings and gaskets installed. cleaned, sapped and tested all spark plugs. Drained oil and removed old oil filter. serviced engine with 12 quarts of Shell 100W. Installed new tempest AA4SDUS-Z oil filter.	
			D Scott Hunt A+P 3154904 JA.	
8/18/18	691.7		Removed Engine Driven Fuel pump. Sent to Aircraft Accessories, for o/a. Removed fuel servo and controller. sent to Aircraft Accessories for o/a. Received all part back from o/a shop. Installed fuel pump. P/N: 646765-7 S/N: B0ZHA296R. Installed Servo P/N: 2524624-7 S/N: 75402. Installed controller P/N: 481008-9022 S/N: FE00 Installed NEW Air conditioning Belt. Installed NEW fuel pump DRAIN HOSE RAN ENGINE OPS checks good.	
			D. Scott Hunt A+P 3154904 JA.	



[illegible]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				Annual Inspection:
7/3/2020					Compressions: 1-76 2-75 3-76 4-78 5-74 6-78
Hobbs:	802.3				Drained old oil from Engine. Removed old
ETT:	1286.1				Filter. Serviced Engine with 9 quarts of
AFTT:	3368.4				Phillips 20W50 Engine oil. ADDED ONE PINT
TACT:	8023				OF 40Blend. Installed NEW Tempost
					AA48108-2 oil filter. checked mag timing.
					checked gapped + tested All SPARK PLUGS.
					Lubed All controls. All AD'S up to DATE.
<div style="transform: rotate(-45deg);">           * Installed New #5 CHT PROBE.            * Installed NEW Intake gaskets and NEW Induction clamps.         </div>					<div style="text-align: right;">             7/3/20 802.3           </div> <div style="text-align: center;">             N587R              3368.4 HRS.           </div> <div style="text-align: center;">             I CERTIFY THAT THIS A/C HAS BEEN              INSPECTED IN ACCORDANCE WITH AN (CIRCLE)              INSPECTION AS PER 43.13(b) <u>Annual</u> AND WAS              DETERMINED TO BE IN AN AIRWORTHY CONDITION.           </div> <div style="text-align: center;"> <u>Scott Hecht</u>              SIGNATURE           </div> <div style="text-align: center;">             ATP 3154904 IA              TYPE           </div>
7/5/21	805.5				Annual inspection:
ETT:	1289.3				Compressions: 1-75 2-75 3-75 4-76
AFTT:	3371.6				5-76 6-76.
					Drained old oil from Engine. Removed
					old oil filter. CUT upon NO FOD. Serviced
					Engine with 9 quarts of Phillips 20W50
					Engine oil. Installed NEW Tempost AA48108-2
					oil filter. checked mag timing. Removed
					All spark plugs, checked gapped + tested. Lubed
					All controls. All AD'S up to DATE.
					<div style="text-align: right;">             7/5/21 805.5           </div> <div style="text-align: center;">             N587R              3371.6 HRS.           </div> <div style="text-align: center;">             I CERTIFY THAT THIS A/C HAS BEEN              INSPECTED IN ACCORDANCE WITH AN (CIRCLE)              INSPECTION AS PER 43.13(b) <u>Annual</u> AND WAS              DETERMINED TO BE IN AN AIRWORTHY CONDITION.           </div> <div style="text-align: center;"> <u>Scott Hecht</u>              SIGNATURE           </div> <div style="text-align: center;">             ATP 3154904 IA              TYPE           </div>

Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft must be installed in accordance with the applicable regulations by the user/installer before the aircraft may be flown.

Miss Directives, Special Inspections,

JAN 15<sup>th</sup> 2022

Hobbs: 807.8 ESMOH: 1291.6

Annual inspection:

- Engine Compressions: 1-75 2-74 3-76 4-75 5-74 6-76
- Drained oil removed old oil filter. serviced with 9 quarts of Phillips 20W50 oil. Installed new Tempost AA48108-2 oil filter. checked mag timing. checked sparkplugs. Lubed All control rods.

I certify this engine has been inspected IAW An Annual inspection and 43.13(d) and was found to be in an Airworthy condition.

W. Scott Heath  
AP 3154904 IA

Annual inspection:

- Engine Compressions: 1-75 2-74 3-76 4-75 5-74 6-76
- Drained oil removed old oil filter. serviced with 9 quarts of Phillips 20W50 oil. Installed new Tempost AA48108-2 oil filter. checked mag timing. checked sparkplugs. Lubed All control rods.

I certify this engine has been inspected IAW  
An Annual inspection and 43.13(d) and was found to be in an  
Airworthy Condition.

7. Scott Herbst  
AP 3154904 IA

[illegible]