

**Aircraft Maintenance and Inspection Status**

Central Virginia Aviation, Inc.				Hour meter	Date	Total Time	AF Cycles	#1 Eng Cycles	#2 Eng Cycles	Print Date
				5096.8	4/30/18	8011.8	8426			5/29/18
Registration	Make	Model	Serial No.	Date Phase Program Began			ACTT Phase Program Began			
N552BS	Raytheon	C-90	LJ-836	10/12/10			7083.0			
Engine #1		Engine #2		Propeller #1			Propeller #2			
Model	PT6A-21	Model	PT6A-21	Model	HCB3TN-3B		Model	HCB3TN-3B		
Serial	PCE-24644	Serial	PCE-24647	Serial	BUA25594		Serial	BUA25593		
Install date	6/19/91	Install date	6/19/91	Install date	10/6/12		Install date	10/6/12		
AFTT at install	3522.5	AFTT at install	3522.5	AFTT at install	7269.2		AFTT at install	7269.2		
AFTC at install	2522.0	AFTC at install	2522.0							
TSN at install	3481.2	TSN at install	3481.2	TSN at install			TSN at install			
TSO at install	0.0	TSO at install	0.0	TSO at install	0.0		TSO at install	0.0		
CSN at install	3481	CSN at install	3481							
Last HOT	6522.8	Last HOT	7803.7							
TC	8412	TC	8412							
TSO	4489.3	TSO	4489.3	TSO	742.6		TSO	742.6		
TSHOT	1489.0	TSHOT	208.1							
TSN	7970.5	TSN	7970.5							
Basic Phase Inspections		Interval		Last Done			Next Due			
	Sequence Number			Date	Hours	Cycles	Date	Hours	Cycles	
Phase 1 inspection	1	200 then every 800 hours		3/13/18	8008.8	8422		8208.8		
Phase 2 inspection	1	400 then every 800 hours		3/13/18	8008.8	8422		8408.8		
Phase 3 inspection	1	600 then every 800 hours		12/9/16	7902.2	8362		8502.2		
Phase 4 inspection	1	800 then every 800hours		12/9/16	7902.2	8362		8702.2		
Complete inspection		24 months then every 24 months								
Interim inspection		12 then every 24 months								
Miscellaneous Inspection Requirements										
Inspection Item		Interval		Last Done			Next Due			
				Date	Hours	Cycles	Date	Hours	Cycles	
Emergency Locator Transmitter		12 months per CFR 91.207(d)		3/13/18			3/13/19			
ELT Battery Replacement		24 Months		3/13/18			8/28/21			
Altimeter system & altitude reporting equipment		24 months per CFR 91.411		12/9/16			1/8/19			
ATC transponder		24 months per CFR 91.413		12/9/16			12/9/18			
SIRM Wing bolts and panels inspection		3 Years		12/9/16			12/9/19			
Battery Inspection		12 months		3/13/18			3/13/19			
Chapter 4 - Airworthiness Limitations - Applicable to Specific Aircraft Serial Numbers (All others refer to the POH/AFM)										
Component		Life		Last Done			Next Due			
				Date	Hours	Cycles	Date	Hours	Cycles	
<b>Table 601</b>										
1. Replace all windshield screws Left		10000 cycles							10000	
Replace all windshield screws Right		10000 cycles							10000	
2. Replace the cabin airstair door forward and aft side latch-bolts		5000 cycles				5971			10971	
3. Replace the cabin airstair door upper hook mechanism (including pins, bracket, spring, arm and hooks		10000 cycles							10000	

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4. Horizontal and Vertical Stabilizers	Retire structure at 45,000 hours					45000.0	
5. Fuselage Pressure Vessel Structure	LJ-1 thru LJ-985, LJ-987 thru LJ-995, LJ-997 thru LJ-1010, LW-1 and After. ( 9000 cycles Initial, 3000 cycles recurring						10000
6. Fuselage Pressure Vessel Structure	LJ-996, LJ-986, LJ-1011 and After. ( 6000 cycles Initial, 3000 cycles recurring						
7. Crack Inspection, (Wing Attach Fittings, ect.	3 Years or 1000 hours	12/9/16	7902.2	8362	12/9/19	8902.2	
8. Nacelle Splice Plates	10,000 initial and 1000 hours Recurring					10000.0	
9. Upper Forward, Upper and Lower Aft Wing Bolt and Nuts.	LJ-1 thru LJ-1084, LW-1 and After. 15 years or 15,000 hours which ever occurs first.	12/20/14	7626.6		12/15/34	22626.6	
10. Lower Forward Wing Bolt and Nuts	LJ-1085 and after. 5 years and any time removed.	N/A					
11. AD 89-25-10	Every 3 years or 1000 hours	12/9/16	7902.2		12/9/19	8902.2	

**Chapter 4 - Airworthiness Limitations - Applicable to Specific Aircraft Serial Numbers (All others refer to the POH/AFM)**

Component		Life	Last Done			Next Due		
			Date	Hours	Cycles	Date	Hours	Cycles
<b>Table 602</b>								
Engine Fire Extinguisher Bottle	Left	Hydrostatically test every 5 years	N/A					
Engine Fire Extinguisher Bottle	Right	Hydrostatically test every 5 years	N/A					
Engine Fire Extinguisher Cartridge	Left	Replace after combined 2 year shelf & 4 year service life (6 year max.)	N/A					
Engine Fire Extinguisher Cartridge	Right	Replace after combined 2 year shelf & 4 year service life (6 year max.)	N/A					
Oxygen Cylinder (lightweight composite)	E8162-1850	Hydrostatic test every 3 years	N/A					
Oxygen Cylinder (lightweight composite)	E8162-1850	Replace at 15 years	N/A					
Oxygen Cylinder (standard weight)	3AA-1800	Hydrostatic test every 5 years	12/20/14			12/19/19		
Oxygen Cylinder (lightweight)	3HT-1850	Hydrostatic test every 3 years	N/A					
Oxygen Cylinder (lightweight)	3HT-1850	Replace at 15 years	N/A					
Cabin Fire Extinguisher		Weigh each 12 months	3/13/18			3/13/19		
Cockpit Fire Extinguisher		Weigh each 12 months	3/13/18			3/13/19		
Side Windows		Refer to Chapter 4 and 56-15-00 (on condition)						
Windshield		Refer to Chapter 4 (on condition)						

**Chapter 5 - Special Inspections**

Component		Interval	Last Done			Next Due		
			Date	Hours	Cycles	Date	Hours	Cycles
1. Left Engine Hot Section Inspection		Refer to latest revision of SB1003 (1800hrs.)	7/24/06	6522.8	6918.0		8322.8	
2. L/H Chip Detector		N/A by Kit Installed	N/A					
3. Left Engine Oil Filter		Replace every 1000 hours	12/9/16	7902.2			8902.2	

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4. Left Starter-Generator		Inspect QAD attachment flange any time starter generator is removed	As Required					
5. Left Main Gear Shock Absorber Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
6. Left Main Gear Drag Brace Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
7. Left Main Gear Axle Assembly & Torque Knees		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
8. Left Main Gear Actuator Clevis Hole		Every 1000 cycles	9/1/17	8431.8	8428			9428
9. Left Main Gear Wheel		Refer to the CMM (any time tire changed)	As Required					
10. Left Flap Flexible Shaft		Every 5000 cycles	10/1/98		5031			9031
11. Left Wing Front Spar Cap		Refer to SIRM Every 12 months	3/13/18	7902.2		3/13/19		
12. Right Engine Hot Section Inspection		Refer to latest revision of SB 3003	1/8/16	7803.7	8214		9603.7	
13. R/H Chip Detector		N/A by Kit Installed	N/A					
14. Right Engine Oil Filter		Replace every 1000 hours	12/9/16	7902.2			8902.2	
15. Right Starter-Generator		Inspect QAD attachment flange any time starter generator is removed	As Required					
16. Right Main Gear Shock Absorber Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
17. Right Main Gear Drag Brace Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
18. Right Main Gear Axle Assembly & Torque Knees		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
19. Right Main Gear Actuator Clevis Hole		Every 1000 cycles	9/1/17	8431.8	8428			9428
20. Right Main Gear Wheel		Refer to the CMM (any time tire changed)	As Required					
21. Right Flap Flexible Shaft		Every 5000 cycles	10/1/98		5031			9031
22. Right Wing Front Spar Cap		Refer to SIRM Every 12 months	3/13/18	7902.2		3/13/19		
23. Edgelighted Panel Assemblies		Every 2000 hours or 4 years	1/8/16	7803.7		1/7/20	9803.7	
24. Air Conditioner Compressor Drive Belts		Check tension after 50 hours operation	As Required					
25. Nose Gear Shock Absorber Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
26. Nose Gear Drag Brace Assembly		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
27. Nose Gear Axle Assembly & Torque Knees		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
28. Nose Gear Actuator Clevis Hole		Every 1000 cycles	9/1/17	8431.8	8428			16428
29. Nose Landing Gear Wheel		Refer to the CMM (any time tire changed)	As Required					
30. Altimeter and Pitot and Static System		Every 24 months, req'd by FAR 91.411	See 91.411/91.413 status above					
31. Pedestal Power Lever Stop Pin		Every 1200 hours	1/8/16	7803.7			9003.7	
32. Pilot's Compartment Fire Extinguisher		Hydrostatic test every 12 years	N/A					
33. Cabin Fire Extinguisher		Hydrostatic test every 12 years	N/A					
34. Engine Fire Extinguisher	Left	Hydrostatic test every 5 years	N/A					
	Right	Hydrostatic test every 5 years	N/A					
35. Wing Attachment Bolts		Refer to the SIRM Every 1000hrs.or 3yrs.	12/9/16	7902.2		12/9/19	8902.2	
36. Retract Gear Box & Clutch (Mechanical Gear)		Every 8000 cycles or 6 years	11/7/12	7285.0	7879	11/6/18		8879
37. Actuators (Mechanical Gear) - Perform screw end-play check (Removal from aircraft required)	Left	Every 1000 cycles or 30 months	9/1/17	8431.8	8428	3/1/20		9428
	Right	Every 1000 cycles or 30 months	9/1/17	8431.8	8428	3/1/20		9428
	Nose	Every 1000 cycles or 30 months	9/1/17	8431.8	8428	3/1/20		9428
38. Fire Extinguisher Cartridge (Squib)	Left	Replace after combined 2 year shelf & 4	N/A					

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38. Fire Extinguisher Cartridge (Squib)	Right	year service life (6 year max.)	N/A					
39. Flight Controls - Pulley Brackets and Castings		10,000 cycles then every 5000 cycles						10000
40. Oxygen Cylinder - (Lightweight Composite) DOT-3HT-1850		Hydrostatic test every 3 years	N/A					
		Replace at 15 years	N/A					
41. Oxygen Cylinder (Standard Weight) 3AA-1800		Hydrostatic test every 5 years	See Airworthiness Items					
42. Oxygen Cylinder I (Lightweight) DOT-3HT-1850		Hydrostatic test every 3 years	N/A					
		Replace at 24 years	N/A					
43. Engine Mount Vibration Isolators	Left	Inspect at Engine TBO or 4000 hours	1/8/16	7803.7			11803.7	
	Right	Inspect at Engine TBO or 4000 hours	1/8/16	7803.7			11803.7	
44. Cabin Door & Fuselage Frame		At the first 9,000 cycles then every 3000 cycles thereafter						9000
45. Cabin Door & Fuselage Frame		At the first 6,000 cycles then every 3000 cycles thereafter						
46. Wing Structure		Refer to the SIRM Every 1000hrs.or 3yrs.	12/9/16	7490.1		12/9/19	8490.1	
47. Cabin Combustion Heater		Every 500 hours	N/A					
48. Detailed Aileron		Every 800 hours	1/8/16	7803.7			8603.7	
49. Standby Power Supply Battery (PS835)		Load test & recharge every 6 months	N/A					
50. Cabin Altitude Warning System Pressure Switch Test		Every 12 months	3/13/18	7803.7		3/13/19		
51. Skin, Exterior Airframe		10,000 cycles then every 1000 cycles						10000
52. Air-conditioning Motor Brushes		Every 1000 hours	1/8/16	7803.7			8803.7	
53. Wing Attach Bolts torque check		Every 12 months	3/13/18	7803.7		3/13/19		
54. Pilot's Fuel Control & Lower Edgelighted Panel and Copilot's Edgelighted Circuit Breaker Panel		Every 12 months	3/13/18	7803.7		3/13/19		
55. Nose and Main Landing Gear Trunnion Bolt Holes and Drag Brace Attach Holes.		Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
56. Nose and Main Gear mechanical Actuators (+Lube)		Every 1000 cycles or 30 months	9/1/17	8431.8	8428	3/1/20		9428
57. Landing Gear Hydraulic System Filter		200 hours then every 1200 hours or 1000 cycles						
Chapter 5 - Component Overhaul and Replacement								
Component	Interval	Last Done			Next Due			
		Date	Hours	Cycles	Date	Hours	Cycles	
Landing Gear								
Actuator (Hydraulic)	Left	If fluid leaks are noted	N/A					
	Right	If fluid leaks are noted	N/A					
	Nose	If fluid leaks are noted or switch is faulty	N/A					
Actuator (Mechanical)	Left	Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
	Right	Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
	Nose	Every 8000 cycles or 6 years	2/5/15	7646.2	8109	2/3/21		16109
Actuator Support Bearings (Sealed)	Replace sealed bearings when the lubricant has dissipated or hardened							

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Wheel Bearings and Tires	Left	Refer to the C.M.M						
	Right	Refer to the C.M.M						
	Nose	Refer to the C.M.M						
Nose Gear Retract and Emergency Extension Chains		Refer to Ch 32-30-00 wear for limits	As Required					
Landing Gear Motor (Mechanical)		Every 8000 cycles or 6 years	11/1/12		7879.0		10/31/18	15879
Landing Gear Retraction & Extension Teflon Hoses		Every 10 years or sooner on condition	N/A					
Landing Gear Hydraulic System Filter & O-Ring		Replace filter & o-rings at 1st 200 hr inspection and every 1200 hour or 1000 cycles thereafter, whichever occurs first	N/A					
<b>Brake System</b>								
Main Gear Brakes	Left	Refer to the C.M.M						
	Right	Refer to the C.M.M						
Brake System Hoses (hoses exposed in wheel well)		Every 5 years	12/20/14	7626.6			12/19/19	
<b>Electrical System</b>								
Emergency Locator Transmitter Battery		At 50% life as stated on the battery	As Required					
Cockpit Voice Recorder Underwater Locator Beacon (BB1476 and after)		Test unit & batteries every 2 years	N/A					
		Replace batteries every 6 years	N/A					
Component (continued)	Interval		Last Done			Next Due		
			Date	Hours	Cycles	Date	Hours	Cycles
<b>Propellers</b>								
Propeller Overhaul	Left	Refer to latest revision of Hartzell SL 61 or McCauley SB 137	N/A Part 91					
	Right		N/A Part 91					
<b>Fuel System</b>								
Firewall Shutoff Valve	Left	Replace when the leakage rate exceeds 2.0 c.c. per minute	As Required					
	Right		As Required					
<b>Air Conditioning and Pressurization</b>								
Evaporator Air Filter, All		Every 400 hours	12/9/16	7902.2			8302.2	
Re-circulation Filter, LJ-1 thru LJ-75			N/A					
Pressurization Control Filter, LJ-572 thru LJ-574, LJ-641 and After, LW 123 and After, LJ-76 thru LJ-571, LJ-575 thru LJ-640, and LW-1 thru LW-122 with Kit No. 100-4004-1		Every 800 hours	1/8/16	7803.7			8603.7	
Pneumatic System Hose Couplings, LJ-6 Thru LJ-716		Every 5 years	N/A					
<b>Utility Systems</b>								
Windshield Wiper Blade Assembly		On condition	As Required					
Instrument Air Filter		Replace every 600 hours	11/1/13	7490.1			8090.1	
Vacuum Regulator Filter		On condition	As Required					
Pneumatic Flow Control Unit Solenoid Valve Filter (p/n 1520161)	Left	Replace at 600 hours.	N/A					
	Right		N/A					

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Pneumatic Flow Control Unit Solenoid Valve Filter (p/n 1520174)	Left	Replace when obstructions can not be cleaned. Clean every 800 hours.	1/8/16	7803.7			8603.7	
	Right		1/8/16	7803.7			8603.7	
<b>Fuselage and Associated Structure</b>		See Airworthiness Requirements						
<b>Left Engine Items</b>								
		Interval	Last Done			Next Due		
			Date	Hours	Cycles	Date	Hours	Cycles
Engine TBO		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Fuel Control Unit		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Engine Driven Fuel Pump		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Overspeed Governor		Refer to Woodward SB 33580A	N/A Part 91					
Propeller Governor		Refer to Woodward SB 33580A	N/A Part 91					
Topping Governor		Refer to Pratt &whitney SB 1003	N/A Part 91					
Starter Generator		Every 1000 hours/On-condition Part 91	12/9/16	7902.2			8902.2	
Engine Vibration Isolator Mounts		Replaced at engine ovh or 4000 hours	See Special Inspections					
Oil Cooler		Replace when contaminated	As Required					
Oil Filter		Replace every 1000 hours	See Special Inspections					
P3 Air Filter		Replace every 1000 hours	N/A					
Flammable Fluid Carrying Hoses (Raytheon Supplied)		Replace every 5 years	12/20/14	7626.6		12/19/19		
Compressor Bleed Valve		Due @ Engine TBO	As Required					
Fuel Manifold Adapter & Nozzle Assemblies		Every 400 hours	1/8/16	7803.7			8203.7	
Compressor Wash		Every 200 hours	1/8/16	7803.7			8003.7	
Compressor Turbine Wash		Every 200 hours	1/8/16	7803.7			8003.7	
Low Pressure Fuel Pump		On condition	As Required					
Tachometer Generator		On condition	As Required					
Life Limited Components (Left Engine)								
<b>Life Limited Components (Left Engine)</b>								
Component	Part	Serial	C_TCN	Total	Life			Life
	Number	Number	@ Install	Cycles	Limit			Remaining
Hub Assembly	3013111		0	8412	19,000			10588
2nd Stage Disk	3013712		0	8412	24,000			15588
3rd Stage Disk	3011713		0	8412	25,000			16588
Impeller	3013176		0	8412	19,000			10588
C.T. Disk	3013411		0	8412	16,000			7588
1st Stage PT Disk	3022412		0	8412	20,000			11588
2nd Stage PT Disk	N/A							
<b>Right Engine Items</b>								
		Interval	Last Done			Next Due		
			Date	Hours	Cycles	Date	Hours	Cycles
Engine TBO		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Fuel Control Unit		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Engine Driven Fuel Pump		Refer to Pratt &whitney SB 1803R2	N/A Part 91					
Overspeed Governor		Refer to Woodward SB 33580A	N/A Part 91					
Propeller Governor		Refer to Woodward SB 33580A	N/A Part 91					
Topping Governor		Refer to Pratt &whitney SB 1803R2	N/A Part 91					

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Starter Generator	Every 1000 hours/On Condition Part 91	12/9/16	7902.2			8902.2	
Engine Vibration Isolator Mounts	Replaced at engine ovh or 4000 hours	See Special Inspections					
Oil Cooler	Replace when contaminated	As Required					
Oil Filter	Replace every 1000 hours	See Special Inspections					
P3 Air Filter	Replace every 1000 hours	N/A					
Flammable Fluid Carrying Hoses (Raytheon Supplied)	Replace every 5 years	12/20/14	7626.6		12/19/19		
Compressor Bleed Valve	Due at Overhaul	As Required					
Fuel Manifold Adapter & Nozzle Assemblies	Every 400 hours	1/8/16	7803.7			8203.7	
Compressor Wash	Every 200 hours	1/8/16	7803.7			8003.7	
Compressor Turbine Wash	Every 200 hours	1/8/16	7803.7			8003.7	
Low Pressure Fuel Pump	On condition	As Required					
Tachometer Generator	On condition	As Required					

Life Limited Components (Right Engine)

Component	Part	Serial	C_TCN	Total	Life					Life
	Number	Number	@ Install	Cycles	Limit					Remaining
Hub Assembly	3013111		0	8412	19,000					10588
2nd Stage Disk	3013712		0	8412	24,000					15588
3rd Stage Disk	3011713		0	8412	25,000					16588
Impeller	3013176		0	8412	19,000					10588
C.T. Disk	3013411		0	8412	16,000					7588
1st Stage PT Disk	3026812		0	8412	20,000					11588
2nd Stage PT Disk	N/A									

Chapter 12 - Lubrication Schedule

Lubrication Item	Interval	Last Done			Next Due		
		Date	Hours	Cycles	Date	Hours	Cycles
200 Hour Lubrication Items	Every 200 hours	3/13/18	8008.8			8208.8	
400 Hour Lubrication Items	Every 400 hours	1/8/16	7803.7			8203.7	
600 Hour Lubrication Items	Every 600 hours	1/8/16	7803.7			8403.7	
800 Hour Lubrication Items	Every 800 hours	1/8/16	7803.7			8603.7	
1200 Hour Lubrication Items	Every 1200 hours	1/8/16	7803.7			9003.7	







