

# N252RC

## 1987 KingAir C90A

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# AD List History

MSN: LJ-1152



*Prepared by the worldwide aviation specialists at RidgeAir, Inc.*

# AIRFRAME Airworthiness Directive Compliance Record

**Company** MICHEAL J. GICK for LAFAYETTE AVIATION, INC.  
**Manufacturer** BEECH AIRCRAFT CORP.  
**Model** C90A  
**Tail #** 252RC  
**Serial #** LJ-1152  
**A/C Cert. Date** 10-23-1987

**Tach Time** 1757.4  
**Total Time** 4705.9

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
87-04-24 04/14/87	AFM/ELEVATOR TRIM SYSTEM/	N/A	N/A per A/C S/N	X		N/A	<i>Michael J Gick</i>
*87-22-01 R1 09/30/89	NOSE LANDING GEAR FORK/	09-20-2004 1757.4	By Inspection		X	1957.4 T.T. 4905.6	
88-04-07 04/18/88	INSPECT WING SPAR NUTS/	N/A	N/A per A/C S/N	X		N/A	
89-22-14 11/17/89	SCOTCH FOAM BUILT AILERONS/	01-09-1995 2355.6	By Inspection	X		N/A	
*89-25-10 01/04/90	INSPECTION OF WING MAIN SPAR/	N/A	N/A per A/C S/N		X	N/A	
90-06-17 05/07/90	AFT FUSELAGE MOISTURE DRAIN SYSTEM/	01-10-1990 697.3	C/W per SB #2312	X		N/A	
92-07-05 04/30/92	RUDDER TRIM TAB/	05-23-1991 1143.4	C/W per SB #2365	X		N/A	
92-15-01 08/21/92	ENGINE TRUSS-TO-FIREWALL BOLT/	04-02-1992 1448.5	C/W per SB #2432	X		N/A	
93-17-01 10/12/93	LEADING EDGE FUEL CELL NIPPLES/	07-15-1993 1919.1	C/W per SB #2475	X		N/A	
96-11-12 06/24/96	ELECTRIC TRIM AND AUTOPILOT/	N/A	N/A King Auto Pilot installed	X		N/A	
97-06-06 05/09/97	PILOT AND COPILOT CHAIR LOCKING MECHANISM/	08-01-1997 3027.8	C/W per SB #2441 R1	X		N/A	
97-23-17 12/29/97	PRESSURIZATION CONTROL AND DEICE INDICATOR TUBING/	02-11-1998 3282.0	Re-routed lines	X		N/A	
97-25-01 01/11/98	OUTFLOW-SAFETY VALVE/	08-23-2004 4698.3	N/A per S/N of valves	X		N/A	
97-25-03 01/21/98	AFM/POWER LEVER POSITIONS/	02-11-1998 3282.0	Installed AFM revisions	X		N/A	
98-04-24 03/13/98	AFM/SEVERE ICING CONDITIONS/	N/A	N/A per M/N of A/C	X		N/A	
98-15-13 08/28/98	MIL-H-6000B FUEL HOSE INTEGRITY/	07-29-1998 3482.0	C/W per SB #2718 R1	X		N/A	

\* Indicates Possible Recurring Inspections

Tdata, Inc (tdatacorp.com)

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99-09-10 06/07/99	LANDING GEAR HAND PUMP/	07-29-1998 3482.0	Installed filter	X	N/A	<i>Michael J. Gutek</i>
99-09-15 05/18/99	FLIGHT CONTROL COLUMN INTERFERENCE/	N/A	N/A per A/C S/N	X	N/A	
99-10-07 05/03/99	ELEVATOR CONTROL INTERFERENCE/	05-26-1999 3556.1	By inspection	X	N/A	
99-18-15 09/27/99	LANDING GEAR EMERGENCY HAND PUMP/	09-17-2004 4705.9	N/A per S/N of pump 536	X	N/A	
01-11-03 07/20/01	AVIONICS COOLING BLOWER CIRCUIT/	N/A	N/A per A/C S/N	X	N/A	
*02-01-10 02/22/02	MAIN LANDING GEAR TORQUE KNEES/	07-24-2000 3942.9	New steel torque knees		X N/A	
*02-09-12 08/21/02	POH - ENGINE NACELLES & WING SPAR STRUCTURAL INTEGRITY/	N/A	N/A per A/C S/N		X N/A	
03-02-03 03/07/03	PLACARD - EXTERNAL DOOR OPERATING INSTRUCTIONS/	09-17-2004 4705.9	Correct placard installed	X	N/A	
03-13-16 08/25/03	AFT PRESSURE BULKHEAD/	08-19-2003 4687.6	By inspection	X	N/A	
*04-17-02 10/04/04	THROTTLE/PROP CROSS SHAFT PEDESTAL ATTACHMENT/	09-17-2004 4705.9	Installed bolts per SB #73-3634		X N/A	

**N252RC**  
**Beech King Air C90A, SN LJ-1152**  
**Aircraft Status Sheet**

08/03/2018

L/H Engine TSN 6930.8 TSO 3382.0 TSHSI 1516.9 CSN 8791 CSO 3475 CSHSI 1200  
R/H Engine TSN 6930.8 TSO 3382.0 TSHSI 1516.9 CSN 8791 CSO 3475 CSHSI 1200  
L/H and R/H Propeller TSN Unknown TSO 480.2 (09/2014)

Hobbs 3983.2  
TAT 6930.8  
Landings 8791

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<u>INTERVAL</u>	<u>DESCRIPTION</u>	<u>DUE</u>
200 Hours	Phase 1 & 2 Inspections NOTE: Complete cycle of Phase 1 through 4 must be completed by August 2020	7130.8 TAT / Aug 2019
Initial 12 Months / 1000 Hours After 3 Months / 250 Hours	Main aircraft battery emergency capacity test	Nov 2018 / 7180.8 TAT
6 Months	Standby power supply battery test	N/A
12 Months	Standby power supply capacity test	N/A
12 Months	Wing spar cap inspection	August 2019
12 Months	Cockpit and cabin fire extinguisher inspection	August 2019
12 Months	Perform cabin altitude warning pressure switch test	August 2019
12 Months	ELT inspection I/A/W FAR 91.207 (d)	August 2019
12 Months	Wing bolt lubrication	August 2019
12 Months	Cockpit sidewall fuel control panel, circuit breaker panel and edge lighted panel inspection	August 2019
12 Months	Flight control gust lock inspection I/A/W SB 27-3459	August 2019
12 Months / 600 Hour	Chip detector bridge test	Aug 2019 / 7530.8 TAT
200 Hours	Raisbeck wing locker and strake inspection	7130.8 TAT
200 Hours	AD 2004-23-02 and SB 32-2102R7 nose landing gear fork insp.	7130.8 TAT
200 Hours	Lubrication requirements	7130.8 TAT
200 Hours	Pratt & Whitney Minor Inspection	7130.8 TAT
200 Hours	L/H and R/H engine compressor wash	7130.8 TAT
24 Months	FAR 91.411 pitot/static system certification and FAR 91.413 transponder certification	August 2020
24 Months	CVR locator beacon test	N/A
24 Months	ELT battery replacement	August 2020
400 Hours	Evaporator air filter replacement	7330.8 TAT

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**Aircraft Status Sheet**

<u>Continued</u> <u>INTERVAL</u>	<u>DESCRIPTION</u>	<u>DUE</u>
400 Hours	Engine fuel nozzle cleaning and flow check and engine hot section borescope inspection	7330.8 TAT
400 Hours	Lubrication requirements	7330.8 TAT
600 Hours	Engine fuel pump inlet screen inspection and cleaning	7530.8 TAT
600 Hours	Engine fuel pump outlet filter inspection and replacement	7530.8 TAT
48 Months / 2000 Hours	Edge lighted panel inspection	Aug 2019 / 8571.5 TAT
800 Hours	Pressurization controller filter replacement	7470.4 TAT
800 Hours	Lubrication requirement	7470.4 TAT
800 Hours	Instrument air filter replacement	7730.8 TAT
800 Hours	Pneumatic flow control solenoid valve filter cleaning	7470.4 TAT
60 Months	Brake system hose replacement (wheel well only)	September 2020
60 Months	L/H and R/H engine flammable fluid hose replacement	September 2020
60 Months	Wing bolt inspection	July 2021
60 Months	Oxygen cylinder hydrostatic inspection	August 2023
60 Months / 1200 Hours	Rudder trim actuator lubrication	Sept 2020 / 7650.6 TAT
60 Months / 3000 Hours	Propeller overhaul	Sept 2020 / 9450.6 TAT
1000 Hours	L/H and R/H engine oil filter replacement	7450.6 TAT
1000 Hours	Starter generator overhaul	RH 7450.6 TAT LH 7450.6 TAT
1000 Hours	L/H and R/H engine scavenge oil pump inlet screen cleaning	7450.6 TAT
72 Months	CVR locator beacon replacement	N/A
72 Months	Cabin fire extinguisher refill	August 2019
72 Months / 8000 Cycles	Landing gear inspection	July 2023 / 16,658 Landings
72 Months / 8000 Cycles	Nose and main landing gear trunnion bolt hole and drag brace attach hole inspection	July 2023 / 16,658 Landings
1200 Hours	Lubrication requirement	7439.9 TAT
1200 Hours	Pedestal power lever stop pin inspection	8130.8 TAT

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<u>Continued</u> <u>INTERVAL</u>	<u>DESCRIPTION</u>	<u>DUE</u>
1200 Hours / 1000 Cycles	Landing gear hydraulic system filter replacement	8130.8 TAT / 9791 Cycles
1800 Hours	L/H and R/H engine hot section	Overhaul due next
1800 Hours	Fuel pump drive coupling inspection	8597.6 TAT
120 Months	Landing gear retraction and extension hose replacement	September 2024
144 Months	Cabin fire extinguisher hydrostatic test	August 2025
180 Months / 15,000 Hours	Wing bolt replacement	Jan 2019 / 19,667.3 TAT
Initial 3600 Hours After 800 Hours	Detailed aileron inspection	7470.4 TAT
3600 Hours	Engine overhaul	7147.0 TAT
4000 Hours / Engine OH	Engine mount isolator replacement	9014.8 TAT
4500 Hours	Primary governor overhaul	8047.0 TAT
6500 Hours	Overspeed governor overhaul	10,047.0 TAT
1000 Cycles	Landing gear actuator clevis inspection	9658 Cycles
5000 Cycles	Flap flexible shaft inspection	9826 Cycles
5000 Cycles	Cabin entrance door forward and aft side latch replacement	12,782 Cycles
Initial 9000 Cycles After 3000 Cycles	Fuselage inspection	10,937 Cycles
10,000 Cycles	Cabin door upper hook mechanism replacement	10,000 Cycles
10,000 Cycles	Windshield attach screw replacement	10,000 Cycles
Initial 10,000 Cycles After 1000 Cycles	Airframe exterior skin inspection	10,000 Cycles
Initial 10,000 Cycles After 5000 Cycles	Inspect all flight control pulley brackets	10,000 Cycles

**AIRCRAFT MODEL Beech C90A S/N LJ-1152**

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Airworthiness Certificate issued 08/24/2006

**AIRWORTHINESS DIRECTIVE/SERVICE BULLETIN LOG**

July 2018

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NUMBER	TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Airframe</b>					
74-16-04	Restricted elevator travel			N/A by SN	
74-24-03	Strobe light arcing			N/A by SN	
76-04-02	Disengagement of seat lock pins			N/A by SN	
76-10-10	Cabin door opening in flight			N/A by SN	
76-22-02	Lap belt slippage			N/A by SN	
77-02-04	Wing tip explosion			N/A by SN	
77-07-06	Rudder cable clearance			N/A by SN	
77-18-04	Cabin door locking			N/A by SN	
77-22-01	Horizontal tail rear spar attachment			N/A by SN	
78-11-06	Elevator control cable failure			N/A by SN	
78-22-05	Elevator control push-rods			N/A by SN	
79-01-01	Screws in control system			N/A by SN	
80-09-03R1	Oxygen control cable seizure			N/A by SN	
81-09-01	Landing gear retract system			N/A by SN	
81-23-01R1	Lower forward attachment of outer wing			N/A by SN	
85-01-01	Acrylic window failure			N/A by SN	
85-22-05	Center wing panel security			N/A by SN	
87-04-24	Elevator trim system malfunction			N/A by SN	
87-22-01R1	Nose landing gear fork cracks			Superseded by AD 2004-23-02	
88-04-07	Wing lower forward spar attachment			N/A by SN	
89-22-14	Aileron flutter (SB 2256)			1-9-95 TAT 2355.6	yes
89-25-10	Main spar lower cap cracks			N/A by SN	
90-08-17	Water in aft fuselage (SB 2312)		SB 2312 C/W →	1-10-1990 TAT 697.3	yes
92-07-05	Rudder trim tab water drainage (SB 55-2365R2)		SB 2365 C/W →	5-23-91 TAT 1143.4	yes
92-15-01	Engine truss-to-firewall bolt failure (SB 2432)		SB 2432 C/W →	4-2-92 TAT 1448.5	yes
92-27-10	Inadvertent movement of pilot & copilot seats (SB 2444R1)			3-5-93 TAT 1756.8	yes
93-17-01	Leading edge fuel cell nipple cracks (SB 2475)		SB 2475 C/W →	7-15-93 TAT 1919.1	yes
96-11-12	Electric trim system failure (SB 2631R1)			12-12-96 TAT 2915.8	yes
97-06-06	Inadvertent movement of pilot & copilot chair (SB 2444R2)			8-1-97 TAT 3072.8	yes
97-23-17	To prevent loss of vacuum (SB 2676)			2-11-98 TAT 3282	yes
97-25-01	To prevent outflow/safety valve failure (SB 2484R1)		Canadian Logs →	5-26-99 TAT 3556.1	yes
97-25-03	Aircraft flight manual limitation			2-11-98 TAT 3282	yes

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NUMBER	TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Airframe (cont)</b>					
98-04-24	Aircraft flight manual limitation			P/C/W AD 98-04-24 requirements in limitations section of Flight Manual	
98-15-13	Defective fuel hoses (SB 2718R1)			3-11-99 TAT 3547	yes
99-09-10	Hydraulic system failure (SB 32-3073R1)		SB 3073R1 C/W →	7-29-98 TAT 3482	yes
99-09-15	Flight control interference (SB 27-3232)			N/A by SN	
99-10-07	Elevator cable interference		Canadian Logs →	5-26-99 TAT 3556.1	yes
99-18-15	Emergency hand pump		Canadian Logs →	10-12-99 TAT 3631.0	yes
2000-02-15	Engine conversion			4-9-02 TAT 4516.1	yes
2001-11-03	Avionics cooling blower (SB 34-3269)			N/A by SN	
2002-01-10	MLG torque link failure (SB 32-3134R1)		Improved torque links installed 7-2000 TAT 3942.9 (See Canadian Logs →)	4-9-02 TAT 4516.1	yes
2002-09-12	Rivets in nacelles and spar assy (SB 54-3308)			N/A by SN	
2003-02-03	Operating instructions for cabin door/emergency exit (SB 52-3096)		SB 3096R1 C/W →	4-9-02 TAT 4516.1	yes
2003-13-16	To detect damage to aft pressure bulkhead (SB 53-3513R1)			8-19-03 TAT 4667.6	yes
2004-17-02	Loose bolts securing pedestal cross shaft (SB 73-3634)		SB 3634 Part II C/W →	9-2004 TAT 4705.9	yes
2004-23-02	To detect and correct cracks on nose landing gear fork (SB 32-2102R7)	Every 200 hrs			
2005-01-04	To prevent fuel flow interruption (SB 2718R1)			3-10-2009 TAT 5414.8	yes
2006-13-10	To prevent water accumulation in rudder trim tab (SB 2365R1)		SB 2365R1 C/W →	5-23-91 TAT 1143.4	yes
2006-23-02	Improperly assembled/damaged flight controls (SB 27-3761R1)			Superseded by AD 2007-12-06	
2007-12-06	To detect and correct improperly assembled or damaged flight controls (SB 27-3761R1)			N/A by SN	

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NUMBER	TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Engine</b>					
L/H	Pratt & Whitney Model PT6A-21 SN PCE-25317				
R/H	Pratt & Whitney Model PT6A-21 SN PCE-25323				
80-08-12	Fuel pump drive coupling spline wear		Overhaul →	2-16-99 TAT 3547	yes
92-15-11	Excessive engine acceleration time			10-1-92 TAT 1607.7	yes
97-04-12	Prevent engine power reduction		Overhaul →	2-16-99 TAT 3547	yes
2002-23-13	Turbine exhaust duct weld inspection			8-19-03 TAT 4667.6	yes
2014-11-05	Prevent uncontained engine failure		L/H Overhaul 2-11-99	R/H Overhaul 2-11-99	yes
<b>Propeller</b>					
L/H	Hartzell Model HC-B3TN-3M SN BUA28830 Blade Design T10173NK-8				
R/H	Hartzell Model HC-B3TN-3M SN BUA28831 Blade Design T10173NK-8				
L/H	Blade SN #1 K85396 #2 K85398 #3 K85401				
R/H	Blade SN #1 K66598 #2 K66599 #3 K66600				
72-08-04	Prevent blade failure			N/A by blade SN	
74-14-01	Prevent blade failure			N/A by blade design #	
83-08-01R2	Propeller attach bolt failure	every installation		6-10-04 TAT 4685.5	yes
96-15-04	Propeller blade failure			N/A by blade design #	
96-18-14	Propeller hub, blade or blade clamp failure			6-10-04 TAT 4685.5	yes
2003-13-17	Propeller blade failure			N/A propeller not returned to service by T&W Propellers	
2005-14-11	Propeller blade failure			N/A prop not returned to service by So CA Prop SVC	
2005-14-12	Propeller mounting bolt failure			N/A by Source Code AC and manufacture lot # 16803-2S2 C/W 8/5/09 TAT 5480.8	yes
2006-24-07	Propeller blade failure			N/A propeller not returned to service by Oxford Aviation	
2009-10-14	Propeller blade counterweight slug attach bolt failure			N/A by Bolt PN's C/W 8/5/09 TAT 5480.8	yes

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NUMBER	TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Propeller De-icers</b>					
L/H & R/H	Goodrich PN 4E2200-10				
2005-18-20	Goodrich "Fast prop" propeller de-icers				N/A "Fast prop" de-icers not installed
<b>Propeller Governor</b>					
L/H	Primary Governor Woodward PN 8210-025G SN 1815121G				
L/H	Overspeed Governor Woodward PN 210631L SN 2134579				
R/H	Primary Governor Woodward PN 8210-025G SN 1815049G				
R/H	Overspeed Governor Woodward PN 210631L SN 2134576				
70-16-01	Prevent uncontrolled feathering				P/C/W coil retaining screws safety wired
<b>Altimeters</b>					
Pilot	King KEA346 SN 2758				
Co-pilot	United 5035P-P46 SN 13695				
United 74-24-13	Erroneous information				N/A by model #
United 86-05-02	Erroneous information				N/A by model #
<b>ELT</b>					
	Narco ELT 10 SN 75161				
77-02-08	Battery corrosion				N/A by battery date
<b>Oxygen Mask</b>					
Crew	Puritan Bennett PN 176060	SN Pilot 0649			
Passenger	Puritan Bennett PN 174411-24				
<b>Oxygen Bottle</b>					
Bottle	Puritan Bennett PN 176023-22 DOT 3AA-1800 MFG Date 3-1980				
	SN 51453 Beech PN 101-384140-1				
Regulator	Puritan Bennett PN 172010-01 SN 3289				
<b>Seat Belts</b>					
Aircraft Belts Inc	Pilot PN JDA293000-D0-013				
Aircraft Belts Inc	Copilot PN JDA293000-D0-013				
Aircraft Belts Inc	Passenger PN FMA430800-D0-013				
Aircraft Belts Inc	Potty PN MDA2640-A-013				
98-25-10R1	Failure of seat restraint system			3-11-99 TAT 3547	yes

TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Outflow/Safety Valve</b>				
Research PN 103648-5				
Outflow valve SN 21-G-0681				
Safety valve SN 12-762				
<b>Avionics</b>				
HF Transceiver/VOR/LOC/GPS/TAWS GNS 530	PN 011-00940-01			
Outflow/Air Data Computer	PN 912802-03			
WX Datalink Receiver XMD076-01				
EX-500	PN 700-00007-005		SN B1455	
HF Receiver KDF 806				
HF Control KFS 586				
Compass System #1 KCS 305				
Compass System #2 KCS-55A	Indicator KI525A PN			
Co-pilot KFC-250				
Data Computer KDC-298				
Flight Computer KCP-299				
Vertical Gyro KVG-350				
IE KDM-706				
Transponder KXP-756				
Transponder Control KFS-576				
Radio Altimeter KRA-10A				
KNI-582				
Star RDS-82				
Area navigation system		N/A by Gyro PN 060-0015		
CD displays incorrect information		N/A by PN 700-00007-005 installed		
CD displays incorrect information		N/A by PN 700-00007-005 installed		
C-2000 units display incorrect altitude information		N/A by PN		
Prevent incorrect display of lateral deviations		N/A by PN 700-00007-005 installed		

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NUMBER	TITLE	RECURRING INSPECTION	DATE/TIME DUE	DATE/TIME COMP	LOG BK ENTRY
<b>Mandatory Service Bulletins</b>					
2011	Window replacement			N/A by SN	
2023	Landing gear service valve			N/A by SN	
2028RIV	Elevator trim tab system inspection (AD 87-04-24)			N/A by SN	
2030	Elevator replacement			N/A by model #	
2031RII	Shoulder harness kit			N/A by SN	
2035RII	Circuit breaker on gear control panel			N/A by model #	
2051	Replacement of overhead edgelighted panel			N/A by model #	
2057RII	Improved shoulder harness for aft toilet			N/A by SN	
2060	Footman loop in aft baggage			N/A by SN	
2102R7	Inspection and replacement of nose gear fork (AD 87-22-01R1 & AD 2004-23-02)	Every 200 hrs			
2106	Fire protection system			N/A by SN	
2150RII	Reinforced elevator pulley bracket			N/A by SN	
2156	Boost pump replacement			N/A by SN	
2158RI	Nacelle limiter panel covers			N/A by SN	
2208RI	Window inspection and replacement			N/A by model #	
2211RI	Trim tab free play inspection			Information moved to maintenance manual	
2212	Cable tensions			N/A by SN	
2213RIII	Pilot and Co-pilot seat track inspection			N/A by SN	
2220	Nose landing gear steering link			5-23-91 TAT 1143.4	yes
2226RII	Landing gear power pack relay and motor			5-31-90 TAT 848.9	yes
2231RII	Inspection of elevator bellcrank and support	Part II Every 5 yrs	Part 1 →	5-23-91 TAT 1143.4	yes
2238	Landing gear service placard			1-6-89 TAT 411.3	yes
2244	Aft bulkhead and horizontal aft spar inspection			N/A by SN	
2247	Replacement of emergency exit latch bolt			1-10-90 TAT 697.3	yes
2248	Inconel wing attach nuts			N/A by SN	
2254RI	Sealing of horizontal stabilizer and dorsal			N/A by model #	
2256	Scotch foam in ailerons			1-9-95 TAT 2355.6	yes
2266RI	Hartzell propeller SB159			Hartzell SB C/W at prop overhaul	
2267RII	Ceramic fiber paper removal and warning system removal			1-10-90 TAT 697.3	yes
2279	Lower forward wing spar inspection			N/A by SN	
2288	Replacement of main gear actuator supports			5-31-90 TAT 848.9	yes
2294RI	Modification to Collins MCS-65 wiring			N/A by SN	

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<b>Mandatory Service Bulletins (cont)</b>					
2312	Aft fuselage moisture drain (AD 90-08-17)			1-10-90 TAT 697.3	yes
5-2365R2	Rudder tab drain hole (AD 92-07-05)			5-23-91 TAT 1143.4	yes
2386	Allen main gear actuators			N/A by model #	
2387	Propeller de-ice current limiter			4-2-92 TAT 1448.5	yes
422 R1	Inspection of rudder torque shaft			N/A by model #	
2432	Engine mount attachment bolts (AD 92-15-01)			4-2-92 TAT 1448.5	yes
444R11	Pilot and Co-pilot chair locking mechanism (AD 92-27-10)			8-1-97 TAT 3072.8	yes
2475	Fuel tank nipple leak (AD 93-17-01)			7-15-93 TAT 1919.1	yes
550R1	Modification to instrument emergency light wiring			7-6-94 TAT 2214.1	yes
607R1	Main gear drag leg lock link inspection			N/A by model #	
631R1	Elevator trim tab actuator modification			N/A Bendix/King KS272A Trim Servo is installed	
2676	Pressurization control system pneumatic tubing (AD 97-23-17)			2-11-98 TAT 3282	yes
718R2	MIL-H-6000B hose manufactured by BRP, Inc. (AD 98-15-13)			3-11-99 TAT 3547	yes
3073R1	Hydraulic hand pump inlet filter (AD 99-09-10)			7-29-98 TAT 3482	yes
3096R1	New external door operating instructions placard			4-9-02 TAT 4516.1	yes
1-3098	Power plant P3 cabin air bleed adapter			N/A by SN	
3-3105	Fuselage inspection for missing rivets			4/9/2002 TAT 4516.1	yes
3134R1	MLG torque knee inspection		Canadian Logs SB 3116 C/W →	7-2000 TAT 3942.9	yes
7-3148	R/H aileron sub spar inspection		Canadian Logs →	5-18-01 TAT 4314.2	yes
1-3185	Fuel purge tank			8/5/09 TAT 5480.8	yes
7-3232	Control column interference			N/A by SN	
3269R1	KA-33 avionics cooling blower fuse			N/A by SN	
4-3308	Nacelles inspection of rivet installation			N/A by SN	
2-3340	Landing gear hydraulic hand pump replacement			N/A by SN	
2-3345	MLG actuator bearing support bracket inspection				
4-3355	Air data flap with static source switching			N/A by SN	
7-3402	Inspection of magnesium aileron bond assy			N/A by SN	



2	Central Virginia			Date of Certification	Date Phase Prog. Began	ACTT Phase Program Began	Last Update							
3	Make	Registration	Model	Serial No.	8/12/2020		7059.6							
4	Raytheon	N252RC	C90A	LJ-1152										
5	Engine #1		Engine #2		Propeller #1		Propeller #2							
6	Model	PT6A-21	Model	PT6A-21	Model	HCB3TN-3M	Model	HCB3TN-3M						
7	Serial	PCE 24604	Serial	PCE 24601	Serial	BUA 28830	Serial	BUA 23881						
8	Install date	8/10/2020	Install date	8/10/2020	Install date		Install date							
9	AFTT at Install	7056	AFTT at install	7056	AFTT at install		AFTT at install							
10	AFTC at Install		AFTC at Install		TSN at install		TSN at install							
11	TSN at Install	9501.5	TSN at Install	9607.5	TSO at install		TSO at install							
12	TSO at Install		TSO at Install											
13	CSN at Install	9,228	CSN at Install	9,333										
14	CSO at Install		CSO at Install		TSO	7124.8		TSO	7124.8					
15	Last HIS		Last HIS											
16	TSHSI		TSHSI											
17	CSO	-9,228	CSO	-9,333										
18	TSO	68.8	TSO	68.8										
19	TSN	9570.3	TSN	9676.3										
20					Last Complied			Rule		Next Due				
21	Basic Phase Inspections			Interval		Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
22	Sequence Number			Inspection Phase		1								
23	Phase 1 inspection			200 then every 800 hours		12 months	8/25/21	7124.8	1.0	200.0		8/25/22	7324.8	
24	Phase 2 inspection			400 then every 800 hours		12 months	8/25/21	7124.8	1.0	400.0		8/25/22	7324.8	
25	Phase 3 inspection			600 then every 800 hours		24 months	8/25/20	7059.6	2.0	600.0		8/25/23	7524.8	
26	Phase 4 inspection			800 then every 800hours		24 months	8/25/20	7059.6	2.0	800.0		8/25/23	7524.0	
27	Complete inspection			24 months then every 24 months					2.0					
28	Interim inspection			12 then every 24 months					2.0					
29	Miscellaneous Inspection Requirements													
30	Inspection Item			Interval		Last Complied			Rule		Next Due			
31						Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
32														
33	Emergency Locator Transmitter			12 months per CFR 91.207(d)		8/25/21			1.0			8/25/22		
34	Altimeter system & altitude reporting equipment			24 months per CFR 91.411		8/18/20			2.0			8/18/22		
35	ATC transponder			24 months per CFR 91.413		8/18/20			2.0			8/18/22		
36	Weigh aircraft			36 months per CFR 135.185		N/A Part 91			3.0					
37	AD 89-25-10 Wing & Spar Fittings			3 Years or 1000 hours		N/A			3.0	1,000.0				
38	AD 04-23-02 Nose landing gear strut			200 Hrs unless replaced with new p/n			7,124.8			200.0			7324.8	
39	AD 02-01-10 Main Landing Gear Torque Knees			1000 Hours			6,797.6			1,000.0			7797.6	
40	AD77-22-01 Horizontal Stabilizer Attach Bracket			600 Hours		N/A				600.0				
41	Raisbeck Dual Aft Body Strakes			Refer to Raisbeck Manual 85-120 (200hrs)		N/A								
42														

Chapter 4 - Airworthiness Limitations - Applicable to Specific Aircraft Serial Numbers (All others refer to the POH/AFM)										
Component	Life	Last Complied			Rule			Next Due		
		Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
<b>Table 601</b>										
1. Replace all windshield screws Left	10000 cycles	11/24/97		10,000			10,000			20,000
Replace all windshield screws Right	10000 cycles	11/24/97		10,000			10,000			20,000
2. Replace the cabin airstair door forward and aft side latch-bolts	5000 cycles			7,782			5,000			12,782
3. Replace the cabin airstair door upper hook mechanism (including pins, bracket, spring, arm and hooks)	10000 cycles						10,000			10,000
4. Horizontal and Vertical Stabilizers	Retire structure at 45,000 hours						45,000.0			
5. Fuselage Pressure Vessel Structure	5, LJ-997 thur LJ-1010, LW-1 and After. ( 9000	N/A					3,000			
6. Fuselage Pressure Vessel Structure	LJ-1011 and After. ( 6000 cycles Initial, 3000			7,937			3,000			10,937
7. Crack Inspection, (Wing Attach Fittings, ect.	3 Years or 1000 hours	1/3/18			3.0		1,000.0		1/3/21	
8. Nacelle Splice Plates	10,000 initial and 1000 hours Recurring						1,000.0			10,000
9. Upper Forward, Upper and Lower Aft Wing Bolt and Nuts.	LW-1 and After. 15 years or 15,000 hours which	8/5/19	7015.3		15.0		15,000.0		8/1/34	22015.3
8. Lower Forward Wing Bolt and Nuts	J-1085 and after. 5 years and any time removed	8/3/2019			5.0				8/1/24	
<b>Chapter 4 - Airworthiness Limitations - Applicable to Specific Aircraft Serial Numbers (All others refer to the POH/AFM)</b>										
Component	Life	Last Complied			Rule			Next Due		
		Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
<b>Table 602</b>										
Engine Fire Extinguisher Bottle	Left	Hydrostatically test every 5 years	N/A		5.0					
Engine Fire Extinguisher Bottle	Right	Hydrostatically test every 5 years	N/A		5.0					
Engine Fire Extinguisher Cartridge	Left	per combined 2 year shelf & 4 year service life (C	N/A		4.0					
Engine Fire Extinguisher Cartridge	Right	per combined 2 year shelf & 4 year service life (C	N/A		4.0					
Oxygen Cylinder (lightweight composite)	E8162-1850	Hydrostatic test every 3 years	N/A		3.0					
Oxygen Cylinder (lightweight composite)	E8162-1850	Replace at 15 years	N/A		15.0					
Oxygen Cylinder (standard weight)	3AA-1800	Hydrostatic test every 5 years	8/2/18		5.0				8/1/23	
Oxygen Cylinder (lightweight)	3HT-1850	Hydrostatic test every 3 years	N/A		3.0					
Oxygen Cylinder (lightweight)	3HT-1850	Replace at 24 years	N/A		24.0					
Cabin Fire Extinguisher		Hydrostatic test every 12 years	08/04/13		12.0				8/1/25	
Cockpit Fire Extinguisher		Hydrostatic test every 12 years	08/04/13		12.0				8/1/25	
Side Windows		Refer to Chapter 4 and 56-15-00 (on condition)	On Condition							
Windshield		Refer to Chapter 4 (on condition)	On Condition							

85	Component	Interval	Last Completed			Rule			Next Due		
			Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
86											
87											
88	1. Left Engine Hot Section Inspection	Refer to latest revision of SB1003 (1800hrs.)	4/12/19								
89	2. L/H Chip Detector						1,800.0				8,629.1
90	3. Left Engine Oil Filter	Replace every 1000 hours		6450.6				1,000.0			
91	4. Left Starter-Generator	AD attachment flange any time starter generator			As required						7,450.6
92	5. Left Main Gear Shock Absorber Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
93	6. Left Main Gear Drag Brace Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
94	7. Left Main Gear Axle Assembly & Torque Knees	Every 1000 cycles or 2 years	7/26/19			2.0		1,000	7/25/21		
95	8. Left Main Gear Actuator Clevis Hole	Every 1000 cycles	7/26/17		8658			1,000			9658
96	9. Left Main Gear Wheel	Refer to the CMM (any time tire changed)			As required						
97	10. Left Flap Flexible Shaft	Every 5000 cycles			4826						9826
98	11. Left Wing Front Spar Cap	Refer to SIRM Every 12 months	8/18/20				1.0		8/25/22		
99	12. Right Engine Hot Section Inspection	Refer to latest revision of SB 3003		5530.80				1,800.0			7,330.8
100	13. R/H Chip Detector										
101	14. Right Engine Oil Filter	Replace every 1000 hours		6450.6				1,000.0			7,450.6
102	15. Right Starter-Generator	AD attachment flange any time starter generator			As required						
103	16. Right Main Gear Shock Absorber Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
104	17. Right Main Gear Drag Brace Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
105	18. Right Main Gear Axle Assembly & Torque Knees	Every 1000 cycles or 2 years	7/26/19			2.0		1,000	7/25/21		
106	19. Right Main Gear Actuator Clevis Hole	Every 1000 cycles	7/26/17		8658			1,000			9658
107	20. Right Main Gear Wheel	Refer to the CMM (any time tire changed)			On Condition						
108	21. Right Flap Flexible Shaft	Every 5000 cycles			4826						9826
109	22. Right Wing Front Spar Cap	Refer to SIRM Every 12 months	8/25/21				1.0		8/25/22		
110	23. Edgelighted Panel Assemblies	Every 2000 hours or 4 years	8/25/21			4.0		2,000	8/24/25		
111	24. Air Conditioner Compressor Drive Belts	Check tension after 50 hours from install			As Required			50.0			
112	25. Nose Gear Shock Absorber Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
113	26. Nose Gear Drag Brace Assembly	Every 8000 cycles or 6 years	7/26/17		8658	6.0		8,000	7/25/23		16658
114	27. Nose Gear Axle Assembly & Torque Knees	Every 1000 cycles or 2 years	7/26/19			2.0		1,000	7/25/21		
115	28. Nose Gear Actuator Clevis Hole	Every 1000 cycles	7/26/17		8658			1,000			9658
116	29. Nose Landing Gear Wheel	Refer to the CMM (any time tire changed)			As Required						
117	30. Altimeter and Pitot and Static System	Every 24 months, req'd by FAR 91.411	8/18/20				2.0		8/18/22		
118	31. Pedestal Power Lever Stop Pin	Every 1200 hours		6930.8				1,200.0			8,130.8
119	32. Pilot's Compartment Fire Extinguisher	Hydrostatic test every 12 years	8/4/13				12.0		8/1/25		
120	33. Cabin Fire Extinguisher	Hydrostatic test every 12 years	8/4/13				12.0		8/1/25		
121	34. Engine Fire Extinguisher	Left			N/A		5.0				
122		Right			N/A		5.0				
123	35. Wing Attachment Bolts	Refer to the SIRM Every 1000hrs or 3yrs.					3.0	1,000.0			
124	36. Retract Gear Box & Clutch (Mechanical Gear)	Every 8000 cycles or 6 years					6.0				8,000



168		Nose	Refer to the C.M.M	As Required								
169	Nose Gear Retract and Emergency Extension Chains		Refer to Ch 32-30-00 wear for limits	As Required								
170												
171	Landing Gear Motor (Mechanical)		Every 8000 cycles or 6 years	7/26/17	8658.0	6.0	8,000	7/25/23			16658.0	
172	Landing Gear Retraction & Extension Teflon Hoses		Every 10 years or sooner on condition	9/4/2014		10.0		9/1/24				
173	Landing Gear Hydraulic System Filter & O-Ring		Replace filter & o-rings at 1st 200 hr inspection	N/A			1,200.0	1,000				
174	Brake System											
175	Main Gear	Left	Refer to the C.M.M	As required								
176	Brakes	Right	Refer to the C.M.M	As required								
177	Brake System Hoses (hoses exposed in wheel well)		Every 5 years	9/3/15		5.0		9/1/20				
178	Electrical System											
179	Emergency Locator Transmitter Battery		At 50% life as stated on the battery			2.0						
180	Cockpit Voice Recorder Underwater Locator Beacon (BB1476 and after)		Test unit & batteries every 2 years	N/A		2.0						
181			Replace batteries every 6 years	N/A		6.0						
182	Component (continued)		Interval	Last Complied			Rule			Next Due		
183				Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
184												
185	Propellers											
186	Propeller Overhaul	Left	Refer to latest revision of Hartzell SL 61 or McCauley SB 137		6450.6		3000.0				9,450.6	
187		Right			6450.6		3000.0				9,450.6	
188												
189												
190	Fuel System											
191	Firewall Shutoff Valve	Left	Replace when the leakage rate exceeds 2.0 c.c. per minute	On Condition								
192		Right		On Condition								
193	Air Conditioning and Pressurization											
194	Combustion Heater , LJ-1 thru LJ501		N/A	N/A								
195	Heater Ignition Vibrator, LJ-1 thru LJ501		N/A	N/A								
196	Heater Ignition Vibrator Swith Pionts, LJ-1 thru LJ501		N/A	N/A								
197	Super Charger, LJ-1 thru LJ501		N/A	N/A								
198	Super Charger Gear Box , LJ-1 thru LJ501		N/A	N/A								
199	Super Charger Gear Box Oil Filter , LJ-1 thru LJ501		N/A	N/A								
200	Super Charger Hydro Filter , LJ-1 thru LJ-113		N/A	N/A								
201	Evaporator Air Filter, All		Every 400 hours		6930.8		400.0				7,330.8	
202	Re-circulation Filter, LJ-1 thru LJ-75		N/A	N/A								
203	Pressurization Control Filter, LJ-572 thru LJ-574, LJ-641		Every 800 hours	Part 91 On Condition			800.0				7,470.4	
204	and After, LW 123 and After, LJ-76 thru			Part 91 On Condition			800.0					
205	LJ-571, LJ-575 thru LJ-640, and LW-1			Part 91 On Condition			800.0					
206	thru LW-122 with Kit No. 100-4004-1			Part 91 On Condition			800.0					
207	Pnematic System Hose Couplings, LJ-6 Thru LJ-716		Every 5 years	Part 91 On Condition			5.0					



252						Last Complied			Rule			Next Due			
253						Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles	
254	Right Engine Items					Interval									
255															
256	Engine TBO	Refer to Pratt &whitney SB 1803R2					Part 91 On Condition			3,600.0					
257	Fuel Control Unit	Refer to Pratt &whitney SB 1803R2					Part 91 On Condition								
258	Engine Driven Fuel Pump	Refer to Pratt &whitney SB 1803R2					Part 91 On Condition								
259	Overspeed Governor	Refer to Woodward SB 33580A					Part 91 On Condition								
260	Propeller Governor	Refer to Woodward SB 33580A					Part 91 On Condition								
261	Topping Governor	Refer to Pratt &whitney SB 1803R2					Part 91 On Condition								
262	Starter Generator	Every 1000 hours					Part 91 On Condition								
263	Engine Vibration Isolator Mounts	Replaced at engine ovh or 4000 hours								4,000.0					
264	Oil Cooler	Replace when contaminated					As Required								
265	Oil Filter	Replace every 1000 hours								1,000.0					
266	P3 Air Filter	Replace every 1000 hours					Part 91 On Condition			1,000.0					
267	Flammable Fluid Carrying Hoses (Raytheon Supplied)	Replace every 5 years					8/10/20			5.0			8/9/25		
268	Compressor Bleed Valve	(More Program item) 4100 hours					Part 91 On Condition			4,100.0					
269	Scavenge Oil Pump Inlet Screen - check	Every 1000 hours					Complied with at phase			1,000.0			7,615.3		
270	Fuel pump inlet screen - check	Every 600 hours					Complied with at phase			600.0			7,615.3		
271	Sundstrand Fuel Pump Coupling Inspection (in-situ)	Every 600 hours					Complied with at phase			600.0					
272	Fuel Manifold Adapter & Nozzle Assemblies	Every 400 hours								400.0			7,330.8		
273	Compressor Wash	Every 200 hours					Complied with at phase			200.0			7,215.3		
274	Compressor Turbine Wash	Every 200 hours					Complied with at phase			200.0			7,215.3		
275	Low Pressure Fuel Pump	On condition					On Condition								
276	Tachometer Generator	On condition					On Condition								
277	Life Limited Components (Right Engine)														
278															
279	Component	Part	Serial	C_TCN	C_CSO	Life	E_TCN			Due @			Life		
280	Number	Number	@ Install		Limit	Current			E_TCN			Remaining			
281	Hub Assembly	3013111	8F605	13636.0		19,000	9336.0						9664.0		
282	2nd Stage Disk	3013712	A001M69M	13636.0		24,000	9336.0						14,664		
283	3rd Stage Disk	3011713	8P037	13636.0		25,000	9336.0						15664.0		
284	Impeller	3013176	2A647	7236.0		19,000	9336.0						9664.0		
285	C.T. Disk	3013411	97A360	12239.0		16,000	9336.0						6664.0		
286	1st Stage PT Disk	3022412	8A380	7236.0		20,000	9336.0						10664.0		
287															
288															
289	Chapter 12 - Lubrication Schedule														
290															
291						Last Complied			Rule			Next Due			

292								
293			Every 200 hours	6,218.21	7,124.8		200.0	7,324.8
294	200 Hour Lubrication Items							
295	400 Hour Lubrication Items		Every 400 hours	6,218.21			400.0	7,524.8
296	600 Hour Lubrication Items		Every 600 hours				600.0	
297	800 Hour Lubrication Items		Every 800 hours				800.0	
298	1200 Hour Lubrication Items		Every 1200 hours		6,339.9		1200.0	7,639.9

4	Raytheon	N252RC	C90A	LJ-1152	Date of Certification	Date Phase Prog. Began	ACTT Phase Program Began	9336.0	02/26/23
5						8/12/2020	7059.6		Last Update
6	Engine #1		Engine #2		Propeller #1		Propeller #2		
7	Model	PT6A-21	Model	PT6A-21	Model	HCB3TN-3M	Model	HCB3TN-3M	
8	Serial	PCE 24604	Serial	PCE 24601	Serial	BUA 28830	Serial	BUA 23881	
9	Install date	8/10/2020	Install date	8/10/2020	Install date	8/10/2020	Install date	8/10/2020	
10	AFTT at Install	7056	AFTT at install	7056	AFTT at install	7056.0	AFTT at install	7056.0	
11	AFTC at Install		AFTC at Install		TSN at install		TSN at install		
12	TSN at Install	9603.3	TSN at Install	9607.5	TSO at install		TSO at install		
13	TSO at Install	2,631	TSO at Install	2,606	TSO	673.3	TSO	673.3	
14	CSN at Install	9,293	CSN at Install	9,398	Date SOH	9/5/2014	Date SOH	9/5/2014	
15	CSO at Install	9,228	CSO at Install	9,333					
16	Last HIS	1,874	Last HIS	1,748					
17	TSHSI	1,874	TSHSI	1,748					
18	CSO	-65	CSO	-65					
19	TSO	2700.2	TSO	2675.1					
20	TSN	9672.1	TSN	9676.3					

21	Basic Phase Inspections			Interval		Last Complied			Rule			Next Due		
22	Sequence Number			Inspection Phase		Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
23					1									
24	Phase 1 inspection			200 then every 800 hours		12 months	8/25/21	7124.8	1.0	200.0		8/25/22	7324.8	
25	Phase 2 inspection			400 then every 800 hours		12 months	8/25/21	7124.8	1.0	400.0		8/25/22	7525.8	
26	Phase 3 inspection			600 then every 800 hours		24 months	9/20/22	7197.6	2.0	600.0		9/20/24	7797.6	
27	Phase 4 inspection			800 then every 800hours		24 months	9/20/22	7197.6	2.0	800.0		9/20/24	7997.6	
28	Complete inspection			24 months then every 24 months					2.0					
29	Interim inspection			12 then every 24 months					2.0					
30	Miscellaneous Inspection Requirements													
31	Inspection Item			Interval		Last Complied			Rule			Next Due		
32						Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
33														
34	Emergency Locator Transmitter			12 months per CFR 91.207(d)			9/20/22		1.0			9/20/23		
35	Altimeter system & altitude reporting equipment			24 months per CFR 91.411			9/23/22		2.0			9/22/24		
36	ATC transponder			24 months per CFR 91.413			9/23/22		2.0			9/22/24		
37	Weigh aircraft			36 months per CFR 135.185			N/A Part 91			3.0				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
38	AD 89-25-10	Wing & Spar Fittings			3 Years or 1000 hours			N/A			3.0	1,000.0				
39	AD 04-23-02	Nose landing gear strut			200 Hrs unless replaced with new p/n				7,124.8			200.0			7324.8	
40	AD 02-01-10	Main Landing Gear Torque Knives			1000 Hours				6,797.6			1,000.0			7797.6	
41	AD77-22-01	Horizontal Stabilizer Attach Bracket			600 Hours			N/A				600.0				
42	Raisbeck	Dual Aft Body Strakes			Refer to Raisbeck Manual 85-120 (200hrs)				8/25/21							
43	Raisbeck	Sootless Exhaust Stack Fairings			Refer to Raisbeck Manual 85-120 (200hrs)				N/A							
44	SI	Oversize Fastener Inspection			400 Hours				N/A			400.0				
45	Battery	Inspection			12 months			9/20/22					1.0		9/20/23	

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

	Component	Life	Last Complied			Rule			Next Due		
			Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
50	Table 601										
51	1. Replace all windshield screws Left	10000 cycles	11/24/97		10,000			10,000			20,000
52	Replace all windshield screws Right	10000 cycles	11/24/97		10,000			10,000			20,000
53	2. Replace the cabin airstair door forward and aft side latch-bolts	5000 cycles			7,782			5,000			12,782
54	3. Replace the cabin airstair door upper hook mechanism (including pins, bracket, spring, arm and hooks)	10000 cycles						10,000			10,000
55	4. Horizontal and Vertical Stabilizers	Retire structure at 45,000 hours						45,000.0			
56	5. Fuselage Pressure Vessel Structure	LJ-997 thru LJ-1010, LW-1 and After. ( 9000	N/A					3,000			
57	6. Fuselage Pressure Vessel Structure	LJ-1011 and After. ( 6000 cycles Initial, 3000			7,937			3,000			10,937
58	7. Crack Inspection, (Wing Attach Fittings, ect.	3 Years or 1000 hours	8/25/21				3.0	1,000.0		8/25/24	
59	8. Nacelle Splice Plates	10,000 initial and 1000 hours Recurring						1,000.0			10,000
60	9. Upper Forward, Upper and Lower Aft Wing Bolt and Nuts.	LW-1 and After. 15 years or 15,000 hours whic	8/25/21	7124.8			15.0	15,000.0		8/21/36	22124.8
61	8 Lower Forward Wing Bolt and Nuts	J-1085 and after. 5 years and any time removed	9/19/2022	7193.4			5.0			9/18/27	

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

	Component	Life	Last Complied			Rule			Next Due		
			Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
68	Table 602										
69	Engine Fire Extinguisher Bottle	Left						3.0			
70	Engine Fire Extinguisher Bottle	Right						3.0			
71	Engine Fire Extinguisher Cartridge	Left						4.0			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
72	Engine Fire Extinguisher Cartridge			Right	er combined 2 year shelf & 4 year service life (			N/A			4.0						
73	Oxygen Cylinder (lightweight composite)			E8162-1850	Hydrostatic test every 3 years			N/A			3.0						
74	Oxygen Cylinder (lightweight composite)			E8162-1850	Replace at 15 years			N/A			15.0						
75	Oxygen Cylinder (standard weight)			3AA-1800	Hydrostatic test every 5 years			9/20/22			5.0			9/19/27			
76	Oxygen Cylinder (lightweight)			3HT-1850	Hydrostatic test every 3 years			N/A			3.0						
77	Oxygen Cylinder (lightweight)			3HT-1850	Replace at 24 years			N/A			24.0						
78	Cabin Fire Extinguisher				Hydrostatic test every 12 years			08/04/13			12.0			8/1/25			
79	Cockpit Fire Extinguisher				Hydrostatic test every 12 years			08/04/13			12.0			8/1/25			
80	Side Windows				Refer to Chapter 4 and 56-15-00 (on condition)			On Condition									
81	Windshield				Refer to Chapter 4 (on condition)			On Condition									
82																	
83	Chapter 5 - Special Inspections																
84																	
85	Component				Interval			Last Complied			Rule			Next Due			
86								Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles	
87																	
88	1. Left Engine Hot Section Inspection				Refer to latest revision of SB1003 (1800hrs.)			6/24/16	8743.7	1550		1,800.0				8,629.1	
89	2. L/H Chip Detector																
90	3. Left Engine Oil Filter				Replace every 1000 hours				6450.6			1,000.0				7,450.6	
91	4. Left Starter-Generator				AD attachment flange any time starter generator			As required									
92	5. Left Main Gear Shock Absorber Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658	
93	6. Left Main Gear Drag Brace Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658	
94	7. Left Main Gear Axle Assembly & Torque Knees				Every 1000 cycles or 2 years			8/25/21			2.0		1,000	8/25/23			
95	8. Left Main Gear Actuator Clevis Hole				Every 1000 cycles			7/26/17		8658			1,000			9658	
96	9. Left Main Gear Wheel				Refer to the CMM (any time tire changed)			As required									
97	10. Left Flap Flexible Shaft				Every 5000 cycles					4826			5,000			9826	
98	11. Left Wing Front Spar Cap				Refer to SIRM Every 12 months			9/20/22			1.0			9/20/23			
99	12. Right Engine Hot Section Inspection				Refer to latest revision of SB 3003			6/24/16	8849.60	1530		1,800.0				10,649.6	
100	13. R/H Chip Detector																
101	14. Right Engine Oil Filter				Replace every 1000 hours				6450.6			1,000.0				7,450.6	
102	15. Right Starter-Generator				AD attachment flange any time starter generator			As required									
103	16. Right Main Gear Shock Absorber Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658	
104	17. Right Main Gear Drag Brace Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658	
105	18. Right Main Gear Axle Assembly & Torque Knees				Every 1000 cycles or 2 years			8/25/21			2.0		1,000	8/25/23			
106	19. Right Main Gear Actuator Clevis Hole				Every 1000 cycles			7/26/17		8658			1,000			9658	
107	20. Right Main Gear Wheel				Refer to the CMM (any time tire changed)			On Condition									
108	21. Right Flap Flexible Shaft				Every 5000 cycles					4826			5,000			9826	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
109	22. Right Wing Front Spar Cap				Refer to SIRM Every 12 months			9/20/23			1.0			9/19/24		
110	23. Edgelighted Panel Assemblies				Every 2000 hours or 4 years			8/25/21			4.0		2,000	8/24/25		
111	24. Air Conditioner Compressor Drive Belts				Check tension after 50 hours from install				As Required			50.0				
112	25. Nose Gear Shock Absorber Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658
113	26. Nose Gear Drag Brace Assembly				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658
114	27. Nose Gear Axle Assembly & Torque Knees				Every 1000 cycles or 2 years			9/20/22			2.0		1,000	9/19/24		
115	28. Nose Gear Actuator Clevis Hole				Every 1000 cycles			7/26/17		8658			1,000			9658
116	29. Nose Landing Gear Wheel				Refer to the CMM (any time tire changed)				As Required							
117	30. Altimeter and Pitot and Static System				Every 24 months, req'd by FAR 91.411			9/23/22			2.0			9/22/24		
118	31. Pedestal Power Lever Stop Pin				Every 1200 hours				6930.8			1,200.0			8,130.8	
119	32. Pilot's Compartment Fire Extinguisher				Hydrostatic test every 12 years			8/4/13			12.0			8/1/25		
120	33. Cabin Fire Extinguisher				Hydrostatic test every 12 years			8/4/13			12.0			8/1/25		
121	34. Engine Fire Extinguisher			Left	Hydrostatic test every 5 years			N/A			5.0					
122				Right	Hydrostatic test every 5 years			N/A			5.0					
123	35. Wing Attachment Bolts				Refer to the SIRM Every 1000hrs. or 3yrs.						3.0	1,000.0				
124	36. Retract Gear Box & Clutch (Mechanical Gear)				Every 8000 cycles or 6 years						6.0		8,000			
125	37. Actuators (Mechanical Gear) - Perform screw end-play check (Removal from aircraft required)			Left	Every 1000 cycles or 30 months						2.5		1,000			
126				Right	Every 1000 cycles or 30 months						2.5		1,000			
127				Nose	Every 1000 cycles or 30 months						2.5		1,000			
128	38. Fire Extinguisher Cartridge (Squib)			Left	Replace after combined 2 year shelf & 4 year service life (6 year max.)			N/A			4.0					
129				Right		N/A			4.0							
130	39. Flight Controls - Pulley Brackets and Castings				10,000 cycles then every 5000 cycles								5,000			10000
131	40. Oxygen Cylinder - (Lightweight Composite) DOT-3HT-1850				Hydrostatic test every 3 years			N/A			3.0					
132					Replace at 15 years			N/A			15.0					
133	41. Oxygen Cylinder (Standard Weight) 3AA-1800				Hydrostatic test every 5 years			9/20/22			5.0			9/19/27		
134	42. Oxygen Cylinder - (Lightweight) DOT-3HT-1850				Hydrostatic test every 3 years			N/A			3.0					
135					Replace at 24 years			N/A			2.0					
136	43. Engine Mount Vibration Isolators			Left	Inspect at Engine TBO or 4000 hours				5014.8			4,000.0		9,014.8		
137				Right	Inspect at Engine TBO or 4000 hours				5014.8			4,000.0		9,014.8		
138	44. Cabin Door & Fuselage Frame				the first 9,000 cycles then every 3000 cycles there					9782			3,000			12782
139	45. Cabin Door & Fuselage Frame				the first 6,000 cycles then every 3000 cycles there			N/A					3,000			
140	46. Wing Structure				Refer to the SIRM Every 1000hrs. or 3yrs.						3.0		1,000			
141	47. Cabin Combustion Heater				Every 500 hours			N/A				500.0				
142	48. Detailed Aileron				Every 800 hours				6670.4			800.0			7,470.4	
143	49. Standby Power Supply Battery (PS835)				Load test & recharge every 6 months			N/A			0.5					
144	50. Cabin Altitude Warning System Pressure Switch Test				Every 12 months			9/20/22			1.0			9/20/23		
145	51. Skin, Exterior Airframe				10,000 cycles then every 1000 cycles					10000			1,000			11000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
146	52. Air-conditioning Motor Brushes				Every 1000 hours			8/18/20	7059.6			1,000.0			8,059.6	
147	53. Wing Attach Bolts torque check				Every 12 months			9/20/22			1.0			9/20/23		
148	54. Pilot's Fuel Control & Lower Edgelighted Panel and Cockpit's Edgelighted Circuit Breaker Panel				Every 12 months			9/20/22			1.0			9/20/23		
149	55. Nose and Main Landing Gear Trunnion Bolt Holes and Drag Brace Attach Holes				Every 8000 cycles or 6 years			7/26/17		8658	6.0		8,000	7/25/23		16658
150	56. Nose and Main Gear mechanical Actuators (+Lube)				Every 1000 cycles or 30 months					8658	2.5		1,000			9658
151	57. Landing Gear Hydraulic System Filter				200 hours then every 1200 hours or 1000 cycles					8791		1,200.0	1,000		8,130.8	9791
152	Chapter 5 - Component Overhaul and Replacement															
153																
154					Last Complied					Rule			Next Due			
155	Component				Interval			Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
156																
157																
158	Landing Gear															
159					Left	If fluid leaks are noted			N/A							
160	Actuator (Hydraulic)				Right	If fluid leaks are noted			N/A							
161					Nose	If fluid leaks are noted or switch is faulty			N/A							
162					Left	Every 8000 cycles or 6 years			7/26/17		8658.0	6.0		8,000	7/1/23	16658.0
163	Actuator (Mechanical)				Right	Every 8000 cycles or 6 years			7/26/17		8658.0	6.0		8,000	7/1/23	16658.0
164					Nose	Every 8000 cycles or 6 years			7/26/17		8658.0	6.0		8,000	7/1/23	16658.0
165	Actuator Support Bearings (Sealed)				Replace sealed bearings when the lubricant has											
166					Left	Refer to the C.M.M			As Required							
167	Wheel Bearings and Tires				Right	Refer to the C.M.M			As Required							
168					Nose	Refer to the C.M.M			As Required							
169	Nose Gear Retract and Emergency Extension Chains				Refer to Ch 32-30-00 wear for limits			As Required								
170																
171	Landing Gear Motor (Mechanical)				Every 8000 cycles or 6 years			7/26/17		8658.0	6.0		8,000	7/25/23		16658.0
172	Landing Gear Retraction & Extension Teflon Hoses				Every 10 years or sooner on condition			9/4/2014			10.0			9/1/24		
173	Landing Gear Hydraulic System Filter & O-Ring				Replace filter & o-rings at 1st 200 hr inspection			N/A				1,200.0	1,000			
174	Brake System															
175	Main Gear				Left	Refer to the C.M.M			As required							
176	Brakes				Right	Refer to the C.M.M			As required							
177	Brake System Hoses (hoses exposed in wheel well)				On Condition			9/20/22			5.0			9/19/27		
178	Electrical System															
179	Emergency Locator Transmitter Battery				At 50% life as stated on the battery			9/20/2022			2.0			9/19/24		
180	Cockpit Voice Recorder Underwater Locator Beacon (BB1476)				Test unit & batteries every 2 years			N/A				2.0				





218	Left Engine Items			Interval		Last Complied			Rule			Next Due		
				Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles		
219														
220	Engine TBO			Refer to Pratt &whitney SB 1803R2					3,600.0					
221	Fuel Control Unit			Refer to Pratt &whitney SB 1803R2		Part 91 On Condition								
222	Engine Driven Fuel Pump			Refer to Pratt &whitney SB 1803R2		Part 91 On Condition								
223	Overspeed Governor			Refer to Woodward SB 33580A		Part 91 On Condition								
224	Propeller Governor			Refer to Woodward SB 33580A		Part 91 On Condition								
225	Topping Governor			Refer to Pratt &whitney SB 1003		Part 91 On Condition								
226	Starter Generator			Every 1000 hours		Part 91 On Condition			1,000.0					
227	Engine Vibration Isolator Mounts			Replaced at engine ovh or 4000 hours		5014.8			4,000.0			9,014.8		
228	Oil Cooler			Replace when contaminated		As Required								
229	Oil Filter			Replace every 1000 hours					1,000.0					
230	P3 Air Filter			Replace every 1000 hours		Part 91 On Condition			1,000.0					
231	Flammable Fluid Carrying Hoses (Raytheon Supplied)			Replace every 5 years		8/10/20		5.0		8/9/25				
232	Compressor Bleed Valve			(More Program item) 4100 hours		N/A			4,100.0					
233	Scavenge Oil Pump Inlet Screen - check			Every 1000 hours		Complied with at phase			1,000.0			7,615.3		
234	Fuel pump inlet screen - check			Every 600 hours		Complied with at phase			600.0			7,615.3		
235	Sundstrand Fuel Pump Coupling Inspection (in-situ)			Every 600 hours		Complied with at phase			600.0					
236	Fuel Manifold Adapter & Nozzle Assemblies			Every 400 hours					400.0			7,330.8		
237	Compressor Wash			Every 200 hours		10/3/16			200.0			7,215.3		
238	Compressor Turbine Wash			Every 200 hours		10/3/16			200.0			7,215.3		
239	Low Pressure Fuel Pump			On condition		On Condition								
240	Tachometer Generator			On condition		On Condition								
241	Life Limited Components (Left Engine)													
242														
243	Component			Part	Serial	C_TCN	C_CSO	Life	E_TCN	Due @			Life	
244				Number	Number	@ Install	Limit	Current	E_TCN			Remaining		
245	Hub Assembly			3013111	1B984	7110.0	19,000	9231.0				9769.0		
246	2nd Stage Disk			3013712	A001POB9	7110.0	24,000	9231.0				14769.0		
247	3rd Stage Disk			3011713	B3372	5549.0	25,000	9231.0				15769.0		
248	Impeller			3013176	9E440	3005.0	19,000	9231.0				9769.0		
249	C T. Disk			3013411	1B399	7110.0	16,000	9231.0				6769.0		
250	1st Stage PT Disk			3022412	8A275	7110.0	20,000	9231.0				10769.0		
251														
252														
253														
254						Last Complied			Rule			Next Due		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
								Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles	
255												3,600.0					
256	Engine TBO				Refer to Pratt &whitney SB 1803R2												
257	Fuel Control Unit				Refer to Pratt &whitney SB 1803R2			Part 91 On Condition									
258	Engine Driven Fuel Pump				Refer to Pratt &whitney SB 1803R2			Part 91 On Condition									
259	Overspeed Governor				Refer to Woodward SB 33580A			Part 91 On Condition									
260	Propeller Governor				Refer to Woodward SB 33580A			Part 91 On Condition									
261	Topping Governor				Refer to Pratt &whitney SB 1803R2			Part 91 On Condition									
262	Starter Generator				Every 1000 hours			Part 91 On Condition									
263	Engine Vibration Isolator Mounts				Replaced at engine ovh or 4000 hours							4,000.0					
264	Oil Cooler				Replace when contaminated			As Required									
265	Oil Filter				Replace every 1000 hours							1,000.0					
266	P3 Air Filter				Replace every 1000 hours			Part 91 On Condition				1,000.0					
267	Flammable Fluid Carrying Hoses (Raytheon Supplied)				Replace every 5 years			8/10/20			5.0			8/9/25			
268	Compressor Bleed Valve				(More Program item) 4100 hours			Part 91 On Condition				4,100.0					
269	Scavenge Oil Pump Inlet Screen - check				Every 1000 hours			Complied with at phase				1,000.0				7,615.3	
270	Fuel pump inlet screen - check				Every 600 hours			Complied with at phase				600.0				7,615.3	
271	Sundstrand Fuel Pump Coupling Inspection (in-situ)				Every 600 hours			Complied with at phase				600.0					
272	Fuel Manifold Adapter & Nozzle Assemblies				Every 400 hours							400.0				7,330.8	
273	Compressor Wash				Every 200 hours			Complied with at phase				200.0				7,215.3	
274	Compressor Turbine Wash				Every 200 hours			Complied with at phase				200.0				7,215.3	
275	Low Pressure Fuel Pump				On condition			On Condition									
276	Tachometer Generator				On condition			On Condition									
277	Life Limited Components (Right Engine)																
278																	
279	Component		Part	Serial	C_TCN	C_CSO	Life	E_TCN					Due at		Life		
280			Number	Number	@ Install		Limit	Current					E_TCN		Remaining		
281	Hub Assembly		3013111	8F605	13636.0		19,000	9336.0							9664.0		
282	2nd Stage Disk		3013712	A001M69M	13636.0		24,000	9336.0							14,664		
283	3rd Stage Disk		3011713	8P037	13636.0		25,000	9336.0							15664.0		
284	Impeller		3013176	2A647	7236.0		19,000	9336.0							9664.0		
285	C.T. Disk		3013411	97A360	12239.0		16,000	9336.0							6664.0		
286	1st Stage PT Disk		3022412	8A380	7236.0		20,000	9336.0							10664.0		
287																	
288																	
289	Chapter 12 - Lubrication Schedule																
290																	
291									Last Complied		Rule		Next Due				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
								Date	Hours	Cycles	Years	Hours	Cycles	Date	Hours	Cycles
292																
293								9/20/22	7,197.6			200.0			7,397.6	
294		200 Hour Lubrication Items				Every 200 hours		9/20/22	7,197.6			400.0			7,397.6	
295		400 Hour Lubrication Items				Every 400 hours						600.0				
296		600 Hour Lubrication Items				Every 600 hours						800.0				
297		800 Hour Lubrication Items				Every 800 hours						1200.0			7,639.9	
298		1200 Hour Lubrication Items				Every 1200 hours			6,239.9							