

# AIRCRAFT INSPECTION STATUS

N8170J Serial#: BB728 Tot Time; 13164.3 Cycles: 12504

	Phase 1	Phase 2	Phase 3	Phase 4
Date:	11/19/2020	11/19/2020	10/20/2021	10/20/2021
Time:	12983.1	12983.1	13094.1	13094.1
Cycles:	12363	12363	12449	12449
Due Date:	10/31/2022	10/31/2022	10/31/2023	10/31/2023
DueTime:	13294.1	13494.1	13694.1	13894.1
Due Hobbs:	4115.8	4315.8	4515.8	4715.8
Mnths To Go:	7	7	19	19
Time To Go:	129.8	329.8	529.8	729.8
<b>Propellers</b>				
<b>HC-D4N-3A D9383K</b>				
	LEFT	RIGHT		
Serial#	FY3966	FY3969		
Total Time	1,684.7	1,684.7		
OH Date	10/02/2019	10/02/2019		
OH Time	1376.1	1376.1		
Time Since OH	308.6	308.6		
Time Till OH	3,691.4	3,691.4		
OH Due Date	10/31/2025	10/31/2025		

<b>Engines</b>		
<b>PT6-41</b>		
	LEFT	RIGHT
Serial#	PCE80880	PCE81941
Total Time	12,334.5	11,920.0
OH Date	02/19/2007	07/19/2012
OH Time	10,159.6	9,550.2
Time Since OH	2,174.9	2,369.8
Time Till OH	1,425.1	1,230.2
HS Date	01/17/2018	06/28/2016
HS Time	11842.8	11195.6
Time Since HS	491.7	724.4
Time Until HS	1,308.3	1,075.6
Total Cycles	13683	13588
Cycles At OH	12009	11293
Cyc Since OH	1674	2295
Cycles At HS	13328	13083
Cycles Since HS	355	505

# INSPECTIONS

**3/8/2022 N8170J Serial#: BB728 Total Time: 13164.3 Cycles: 12504**

Item	Description	Interva	Insp	Due	Rem
<b>AIRWORTHINESS LIMITATIONS</b>					
<b>ATA: 4 Airworthiness Limitations</b>					
<b>A Fuselage and Associated Structure</b>					
1. Cabin Door Forward and Aft Side Latches (or bayonets) (4)	Replace Ref. 52-10-01, 401 of the Super King Air 200 Series Maintenance Manual, P/N 101-590010-19 or subsequent. BB-2 thru BB-1157; BB-1159 thru BB-1166; BB-1168 thru BB-1192; BT-1 thru BT-30.	5000 Cyc	9,352	14,352	1,848 Cyc
2. Replace Cabin Door Upper Latch Hooks (2) and Attaching Hardware (Ref. 52-10-01, 401 of the Super King Air 200 Series Maintenance Manual, P/N 101-590010-19 or subsequent)..	Replace Ref. 52-10-01, 401 of the Super King Air 200 Series Maintenance Manual, P/N 101-590010-19 or subsequent BB-2 thru BB-1157; BB-1159 thru BB-1166; BB-1168 thru BB-1192; BT-1 thru BT-30.	10000 Cyc	9,886	19,886	7,382 Cyc
4. Wing and Associated Structure Fatigue Safelife	Replace- Refer to Chapter 57 of the Super King Air 200 Series Maintenance Manual, P/N 101-590010-19 or subsequent).	30000 Hrs	0.0	30,000.0	16,835.7 Hrs
5. (a). Windshield Frame Screws (Left)	Replace Kit 101-3259 All airplane serials listed in this chart.	10000 Cyc	9,886	19,886	7,382 Cyc
5.( b). Windshield Frame Screws (Right)	Replace Kit 101-3259 All airplane serials listed in this chart.	10000 Cyc	8,940	18,940	6,436 Cyc
6. (b). All Wing Attach Bolts, Nuts and Barrel Nut Assemblies:Inconel Components	Replace See SI 1235	15 Yrs	04/23/08	04/30/23	1Yr 1Mn
<b>C Horizontal and Vertical Stabilizer and Associated Structure</b>					
1. Horizontal and Vertical Stabilizers	Inspection - Kit 101-6003-0003 must be installed to allow access for inspection.	12 Mns	04/08/21	04/30/22	1Mn
<b>5 MISCELLANEOUS LIMITATIONS</b>					
Oxygen Cylinder (Standard Weight) DOT 3AA 1800 49CFR 173.34	Hydrostatically test (DOT Regulation). Service life unlimited.	5 Yrs	10/09/19	10/31/24	2Yrs 7Mns
Cabin Fire Extinguisher (Cockpit)	Hydrostatically test	12 Yrs	02/26/18	02/28/30	8Yrs 1Day
Cabin Fire Extinguisher (Cabin)	Hydrostatically test	12 Yrs	10/09/19	10/31/31	9Yrs 7Mns
Emergency Exit Signs (Self-Illuminating)	Replace seven years from the date of manufacture as stated on the sign, or inspect annually beginning at seven years and replace when the brightness level drops below 100 microlamberts. Refer to Chapter 33-50-01, 601 of the Super King Air 200 Series Maintenance Manual, P/N 101-590010-19 or Super King Air Model B200GT/B200CGT Fusion Maintenance Manual, P/N 434-590168-0009 or subsequent.	1 Yrs	04/08/21	04/30/22	1Mn



# INSPECTIONS

**3/8/2022 N8170J Serial#: BB728 Total Time: 13164.3 Cycles: 12504**

Item	Description	Interva	Insp	Due	Rem
<b>SPECIAL INSPECTIONS</b>					
<b>ATA: 10 Table: 601 Parking, Mooring, Storage and Return to Service</b>					
1. CONTROL LOCK	Inspect the Control Lock to determine that it is the correct part number for the airplane (Ref. 230, Table 201, 20-14-00, 201).	12 Mns	10/20/21	10/31/22	7Mns
<b>ATA: 20 Table: 602 Standard Practices - Airframe</b>					
1. PILOT'S FUEL CONTROL PANEL and LOWER EDGELIGHTED PANEL, COPILOT'S EDGELIGHTED CIRCUIT BREAKER PANEL	Inspect for burned out bulbs, delamination, corrosion, and evidence of moisture ingress. (Panel removal is required.)	12 Mns	11/05/21	11/30/22	8Mns
2. COCKPIT AND CABIN WITH INTERIOR REMOVED	(a) Visually inspect cockpit and cabin fuselage skins and structure for cracks, corrosion, loose, or missing fasteners and general cleanliness and condition. Pay particular attention to the crossties at the Stringer number 7 position (Ref. 53-10-00, Figure 211).	2500 Cyc	12,060	14,560	2,056 Cyc
	(b) Visually inspect the electrical wiring in the cockpit and cabin side walls and overhead areas for chafing, condition and correct routing.	2500 Cyc	12,060	14,560	2,056 Cyc
	(c) Visually inspect the plumbing in the cockpit and cabin side walls and overhead areas for chafing, condition, correct routing including oxygen, pressurization control and window defog systems.	2500 Cyc	12,060	14,560	2,056 Cyc
	(d) Visually inspect plumbing in the cockpit and cabin sidewall areas and overhead areas for chafing, condition, correct routing including oxygen, pressurization control and window defog systems.	2500 Cyc	12,060	14,560	2,056 Cyc
	(e) Inspect the oxygen system components and plumbing for damage and security of attachment.	2500 Cyc	12,060	14,560	2,056 Cyc
<b>ATA: 21 Table: 603 Environmental/Air Conditioning</b>					
1. CABIN ALTITUDE WARNING SYSTEM	Perform the CABIN ALTITUDE WARNING PRESSURE SWITCH CHECK procedure.(Ref. 21-30-11, 601).	12 Mns	10/20/21	10/31/22	7Mns
<b>ATA: 24 Table: 606 Electrical Power</b>					
b. LEAD ACID BATTERY - EMERGENCY CAPACITY TEST	Replace Battery which does not pass capacity test. Refer to battery manufacturer's instructions. REFER TO APPLICABLE VENDOR MANUAL	1 Yrs	10/20/21	10/31/22	7Mns
<b>ATA: 27 Table: 607 Flight Controls</b>					
1. Flight Control Cable Tension Check:	TEMPERATURE: _____ °F 3/16 in. AILERON CABLE (WING) TENSION: LEFT____RIGHT____ 1/8 in. AILERON CABLE (FUSELAGE) TENSION: _____ 1/16 in. AILERON TRIM TAB CABLE TENSION: _____ 3/16 in. ELEVATOR CABLE TENSION: UP____DOWN____ 1/16 in. ELEVATOR TAB CABLE TENSION: _____ 3/16 in. RUDDER CABLE TENSION: LEFT____RIGHT____ 1/16 in. RUDDER TAB CABLE TENSION: _____	48 Mns	10/11/19	10/31/23	1Yr 7Mns
2. LEFT FLAP FLEXIBLE SHAFT	Inspect for wear and freedom of operation with both ends disconnected (Ref. Chapter 27-50-11, 601).	5000 Cyc	10,176	15,176	2,672 Cyc
RIGHT FLAP FLEXIBLE SHAFT	Inspect for wear and freedom of operation with both ends disconnected (Ref. Chapter 27-50-11, 601).	5000 Cyc	10,176	15,176	2,672 Cyc
3. LEFT and RIGHT INBOARD FLAP	Remove flaps and inspect flap attach brackets, flap structure, tracks, roller bearings, and attachment hardware for wear (Ref. Chapter 27).	3000 Cyc	12,363	15,363	2,859 Cyc
		3 Yrs	11/19/20	11/30/23	1Yr 8Mns



## ATA: 27 Table: 607 Flight Controls

Item	Description	Interva	Iinsp	Due	Rem
4. LEFT and RIGHT OUTBOARD FLAP	Remove flaps and inspect flap attach brackets, flap structure, tracks, roller bearings, and attachment hardware for wear (Ref. Chapter 27).	3000 Cyc	12,363	15,363	2,859 Cyc
		3 Yrs	11/19/20	11/30/23	1Yr 8Mns
5. a) FLAP MOTOR	Replace or inspect. Refer to Chapter 27-50-00, 001 of the King Air Series Component Maintenance Manual (P/N 101-590097-13).	10000 Cyc	10,446	20,446	7,942 Cyc
b) FLAP GEARBOX	Replace or inspect. Refer to Chapter 27-50-00, 001 of the King Air Series Component Maintenance Manual (P/N 101-590097-13).	10000 Cyc	10,176	20,176	7,672 Cyc
c) ACTUATORS and 90° DRIVES	Replace or inspect. Refer to Chapter 27-50-00, 001 of the King Air Series Component Maintenance Manual (P/N 101-590097-13).	10000 Cyc	10,176	20,176	7,672 Cyc
6. RUDDER BOOST FILTER	Replace every 200 hours.	200 Hrs	12,983.1	13,183.1	18.8 Hrs
7. Trim Tab Free Play Checks	a. Check elevator trim tab free play.  Elevator Trim Tab Freeplay:  (Limits: 0.006 inch (0.152 mm) maximum)	1200 Hrs	12,743.0	13,943.0	778.7 Hrs
	b. Check rudder trim tab free play.  Rudder Trim Tab Freeplay:  (Limits: 0.020 inch (0.508 mm) maximum)	1200 Hrs	12,743.0	13,943.0	778.7 Hrs
	c. Check aileron trim tab free play.  Aileron Trim Tab Freeplay:  (Limits: 0.053 inch (1.35 mm) maximum)	1200 Hrs	12,743.0	13,943.0	778.7 Hrs
8. BOBWEIGHT LINK ASSEMBLY	Perform the ELEVATOR BOBWEIGHT LINK ASSEMBLY INSPECTION procedure (Ref. 27-30-23, 601).	5000 Hrs	12,538.0	17,538.0	4,373.7 Hrs

## ATA: 28 Table: 608 Fuel

1. LEFT NACELLE and AUX FUEL CELLS and PROBES	a. Defuel the affected tank and remove covers and fuel probes (Ref. 28-40-01, 401 and 28-40-03, 401). Inspect for microbiological sludge buildup. If sludge is found, inspect all fuel probes, tanks, fuel lines and replace fuel filter. Clean as required. If necessary, use BIOBOR JF or Kathon FP 1.5 additive (Ref. 12-10-01, 301). b. While fuel cell area is open, inspect fuel cell for condition, cleanliness and security. Inspect internal plumbing for security of attachment and general condition. c. Inspect visible structure for corrosion and damage. d. Install fuel probes, covers and apply Corrosion Inhibiting Compound (Ref. 20-15-00, Table 202, 02-005) to the cover flanges and mount bolts. e. 30 Months or 2400 Hours.	30 Mns	04/08/21	10/31/23	1Yr 7Mns
2. RIGHT NACELLE and AUX FUEL CELLS and PROBES	a. Defuel the affected tank and remove covers and fuel probes (Ref. 28-40-01, 401 and 28-40-03, 401). Inspect for microbiological sludge buildup. If sludge is found, inspect all fuel probes, tanks, fuel lines and replace fuel filter. Clean as required. If necessary, use BIOBOR JF or Kathon FP 1.5 additive (Ref. 12-10-01, 301). b. While fuel cell area is open, inspect fuel cell for condition, cleanliness and security. Inspect internal plumbing for security of attachment and general condition. c. Inspect visible structure for corrosion and damage. d. Install fuel probes, covers and apply Corrosion Inhibiting Compound (Ref. 20-15-00, Table 202, 02-005) to the cover flanges and mount bolts. e. 30 Months or 2400 Hours.	30 Mns	04/08/21	10/31/23	1Yr 7Mns

## ATA: 32 Table: 609 Landing Gear



1. LEFT MAIN GEAR SHOCK ABSORBER ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
2. LEFT MAIN GEAR DRAG BRACE ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
3. LEFT MAIN GEAR AXLE ASSEMBLY and TORQUE KNEES	Inspect for cracks, wear and corrosion interior and exterior every 8,000 cycles or 6 years, whichever occurs first. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
4. LEFT MAIN GEAR ACTUATOR CLEVIS	Inspect clevis hole as instructed (Ref. COMPONENT MAINTENANCE MANUAL, 200 Series, Chapter 32-10-00, Charts 2 and 3).	1000 Cyc	12,245	13,245	741 Cyc
11. LEFT MAIN LANDING GEAR TRUNNION BOLT HOLES AND DRAG BRACE ATTACH HOLES	Inspect for cracks, corrosion, damage, and elongation of holes.				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
1. RIGHT MAIN GEAR SHOCK ABSORBER ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior every 8,000 cycles or 6 years, whichever occurs first. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
2. RIGHT MAIN GEAR DRAG BRACE ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior every 8,000 cycles or 6 years, whichever occurs first. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
3. RIGHT MAIN GEAR AXLE ASSEMBLY and TORQUE KNEES	Inspect for cracks, wear and corrosion interior and exterior every 8,000 cycles or 6 years, whichever occurs first. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
4. RIGHT MAIN GEAR ACTUATOR CLEVIS	Inspect clevis hole as instructed. (Ref. COMPONENT MAINTENANCE MANUAL, 32-00-00).	1000 Cyc	12,245	13,245	741 Cyc
11. RIGHT MAIN LANDING GEAR TRUNNION BOLT HOLES AND DRAG BRACE ATTACH HOLES	Inspect for cracks, corrosion, damage, and elongation of holes.				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	11,933	19,933	7,429 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	09/30/16	09/30/22	6Mns
6. NOSE GEAR SHOCK ABSORBER ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior every 8,000 cycles or 6 years, whichever occurs first. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	12,060	20,060	7,556 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
7. NOSE GEAR DRAG BRACE ASSEMBLY	Inspect for cracks, wear and corrosion interior and exterior. (Disassembly required).				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	12,060	20,060	7,556 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
8. NOSE GEAR AXLE ASSEMBLY and TORQUE KNEES	Inspect for cracks, wear and corrosion interior and exterior. (Disassembly required).				



## ATA: 32 Table: 609 Landing Gear

Item	Description	Interval	Insp	Due	Rem
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	12,060	20,060	7,556 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
9. NOSE GEAR ACTUATOR CLEVIS	Inspect clevis hole as instructed. Refer to Chapter 32-30-00 for mechanical actuator. Refer to Chapter 32-31-00 for hydraulic actuator.	1000 Cyc	12,060	13,060	556 Cyc
11. NOSE LANDING GEAR TRUNNION BOLT HOLES AND DRAG BRACE ATTACH HOLES	Inspect for cracks, corrosion, damage, and elongation of holes.				
	a. IF OPERATED FROM A PAVED RUNWAY	8000 Cyc	12,060	20,060	7,556 Cyc
	8000 Cycles or 6 years, whichever occurs first.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
12. NOSE LANDING GEAR MECHANICAL ACTUATORS	(a) Perform the ACTUATOR INSPECTION procedure (Ref. 32-30-11, 601).	1000 Cyc	12,316	13,316	812 Cyc
		30 Mns	04/03/20	10/31/22	7Mns
	(b) Perform the LUBRICATION procedure (Ref. 32-30-03, 301).	1000 Cyc	12,316	13,316	812 Cyc
		30 Mns	04/03/20	10/31/22	7Mns
LEFT MAIN LANDING GEAR MECHANICAL ACTUATORS	(a) Perform the INSPECTION procedure (Ref. 32-30-11, 601).	1000 Cyc	12,449	13,449	945 Cyc
		30 Mns	10/20/21	04/30/24	2Yrs 2Mns
	(b) Perform the LUBRICATION procedure (Ref. 32-30-03, 301).	1000 Cyc	12,449	13,449	945 Cyc
		30 Mns	10/20/21	04/30/24	2Yrs 2Mns
RIGHT MAIN LANDING GEAR MECHANICAL ACTUATORS	(a) Perform the INSPECTION procedure (Ref. 32-30-11, 601).	1000 Cyc	12,449	13,449	945 Cyc
		30 Mns	10/20/21	04/30/24	2Yrs 2Mns
	(b) Perform the LUBRICATION procedure (Ref. 32-30-03, 301).	1000 Cyc	12,449	13,449	945 Cyc
		30 Mns	10/20/21	04/30/24	2Yrs 2Mns
13. RETRACT GEAR BOX & CLUTCH (Mechanical Gear)	Inspect for cracks, wear and internal and external corrosion (disassembly required) (Ref. Chapter 32-30-27, 401).				
		8000 Cyc	12,060	20,060	7,556 Cyc
		6 Yrs	10/12/17	10/31/23	1Yr 7Mns

## ATA: 33 Table: 610 Lights

1. EDGELIGHTED PANEL ASSEMBLIES	Inspect for condition. Refer to Chapter 33-10-01, 601.	2000 Hrs	13,094.0	15,094.0	1,929.7 Hrs
		4 Yrs	10/22/21	10/31/25	3Yrs 7Mns

## ATA: 34 Table: 611 Navigation

1. ALTIMETER and PITOT AND STATIC SYSTEM	Inspect every 24 months as required by FAR 91.411. Refer to Chapter 34-00-00 for system check and leak test.	24 Mns	12/18/21	12/31/23	1Yr 9Mns
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## ATA: 35 Table: 612 Oxygen

1. CREW MASKS	Inspect for condition, cleanliness, and operation. Check hoses for condition and leaks (Ref. 35-10-01, 601).	1 Yrs	10/20/21	10/31/22	7Mns
2. OXYGEN SYSTEM	Perform the BAROMETRIC PRESSURE SWITCH CHECK (AUTODEPLOYMENT OXYGEN SYSTEM) procedure. (Ref. 35-20-01, 601).	12 Mns	10/20/21	10/31/22	7Mns
3. OXYGEN SYSTEM	a. Test all masks for oxygen flow (Ref. Chapter 35-00-15, 501; 35-00-17, 501; 35-00-19, 501.)	1 Yrs	10/20/21	10/31/22	7Mns
	b. Inspect oxygen system installation for damage and security (Ref. Chapter 35-00-00, 001).	24 Mns	10/20/21	10/31/23	1Yr 7Mns

## ATA: 53 Table: 613 Fuselage



1. FUSELAGE STRINGER INSPECTION	Inspect the non reworked and reworked stringers per the Priority Area Inspection Guide for Fuselage Stringers 5 through 11 (Ref. 53-10-00, 201, RECURRING STRINGER INSPECTION and RECURRING FORWARD SIDE OF AFT PRESSURE BULKHEAD INSPECTION) as detailed below:				
	a. Applicable to BB-2 thru BB-1462; BL-1 thru BL-138; BN-1 thru BN-4; BT-1 thru BT-38 (except serials BB-1463 thru BB-1471), inspect for cracks on non-reworked stringers 5 thru 11 (both left and right) on the aft side of the rear pressure bulkhead at the point where the zee stiffeners are attached to the stringers with 6 rivets (Ref. 53-10-00, 201, Figures 203 thru 205).	500 Cyc	12,363	12,863	359 Cyc
	b. Applicable to BB-2 thru BB-1462; BL-1 thru BL-138; BN-1 thru BN-4; BT-1 thru BT-38 (except serials BB-1463 thru BB-1471), inspect for cracks on non-reworked stringers on the aft side of the rear pressure bulkhead if stringers 8, 9 and 10 (both left and right) have internal reinforcement kits installed (Ref. 53-10-00, 201, Figures 203 thru 205).	500 Cyc	12,363	12,863	359 Cyc
	c. If external doublers are installed, inspect BB-2 thru BB-1462; BL-1 thru BL-138; BN-1 thru BN-4; BT-1 thru BT-38 (except serials BB-1463 thru BB-1471) for cracks above and below the stringer cutouts in the bend radius of the pressure bulkhead flange (Ref. 53-10-00, 201, Figures 206 thru 210).	2500 Cyc	11,933	14,433	1,929 Cyc
	d. If internal reinforcement kits are installed, inspect BB-2 thru BB-1462; BL-1 thru BL-138; BN-1 thru BN-4; BT-1 thru BT-38 (except serials BB-1463 thru BB-1471) for cracks above and below the stringer cutouts in the bend radius of the pressure bulkhead flange (Ref. 53-10-00, 201, Figures 206 thru 210).	2500 Cyc	11,933	14,433	1,929 Cyc
2. UPPER and LOWER WINDSHIELD, and STORM WINDOW CORNERS (PRIORITY AREA INSPECTION)	Inspect doublers and clips of the fuselage at the upper and lower windshield corners for cracks and loose rivets (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (6); 53-10-00, 201, FUSELAGE INSPECTION, Step (5) and Airworthiness Limitations Manual (P/N 101-590010-453).	1000 Cyc	11,933	12,933	429 Cyc
3. FLIGHT CONTROLS	(PRIORITY AREA INSPECTION) - Inspect all flight control pulley brackets and castings for cracks, corrosion, wear and attachment (Ref. 20-04-00, 201, CONTROL CABLE PULLEY INSPECTION).	5000 Cyc	9,886	14,886	2,382 Cyc
4. AIRSTAIR DOOR, CARGO DOOR and ESCAPE HATCHES	AIRSTAIR DOOR, CARGO DOOR, and ESCAPE HATCHES (PRIORITY AREA INSPECTION) - Inspect these areas and the associated closure areas for cracks (including all upper latches, latch rods and hinges for 200/B200/B200GT and camlock latch mechanisms and hinges for 200C/B200C/B200CGT) (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (7) and 53-10-00, 201, FUSELAGE INSPECTION, Step (8)).	1000 Cyc	11,792	12,792	288 Cyc
5. FORWARD PRESSURE BULKHEAD	FORWARD PRESSURE BULKHEAD (PRIORITY AREA INSPECTION) - Open the nose compartment doors and visually inspect, where possible, both sides of the pressure bulkhead where the bulkhead attaches to the fuselage skin and structure. Inspect the rivet pattern for indications of sheared or loose rivets on the forward pressure bulkhead (FS 84). Check for cracks in the skin or supporting structure originating from the attaching rivets. Inspect the bulkhead web and stiffener flanges for cracks or other structural damage (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (2)). NOTE Some areas where the pressure bulkhead attaches to the fuselage skin and structure may not be visible from both sides.	2500 Cyc	12,363	14,863	2,359 Cyc
6. EXTERIOR SKIN	(PRIORITY AREA INSPECTION) - Inspect exterior skin (including nose wheel well keels) for cracks and loose and missing fasteners. If any repetitive damage is found, inspection of the internal structure for degradation in the local area is required (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (3)).	1000 Cyc	11,933	12,933	429 Cyc
7. FUSELAGE FRAME FS 84 THROUGH FS 347.75	(PRIORITY AREA INSPECTION) - Inspect the fuselage frames in the underfloor area for cracks in the flanges, web, stringer cutouts, bend radii, doublers, clips and angles (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (1)).	1000 Cyc	11,933	12,933	429 Cyc



## ATA: 53 Table: 613 Fuselage

Item	Description	Interval	Insp	Due	Rem
8. FRAME WEB FS 179 THROUGH FS 271	(PRIORITY AREA INSPECTION) - Inspect the frame webs for cracks from the lightning holes and stringer cutouts. The frames should be inspected from the lower centerline to stringer #4. Examine the crossties closely at stringer #7 position (Ref. 53-10-00, 201, Step (10)).	1000 Cyc	11,933	12,933	429 Cyc
9 STRINGERS FROM FS 88 THROUGH FS 125 and INSTRUMENT PANEL SUPPORT BRACKETS	(PRIORITY AREA INSPECTION) - Inspect stringers 7, 8, 9 and 10 in area of FS 88 through FS 125 and the instrument panel support brackets for cracks (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (4)).	10000 Cyc	11,933	21,933	9,429 Cyc
10. AFT FUSELAGE AREA and REAR PRESSURE BULKHEAD	(PRIORITY AREA INSPECTION) - Inspect the entire forward and aft side of the rear pressure bulkhead for cracks and loose or missing rivets. Check the oxygen bottle mounting brackets for cracks and loose or missing rivets. Check the outflow and safety valve box for cracks and loose or missing rivets (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (9)).	500 Cyc	12,060	12,560	56 Cyc
11. CABIN DOOR and FUSELAGE FRAME (time requirement just changed!!)	(PRIORITY AREA INSPECTION) - Inspect structure at all four corners of the door frame and the upper latch hook catches (Ref. 53-10-00, 201, FUSELAGE INSPECTION, Step (8)).	500 Cyc	12,449	12,949	445 Cyc

## ATA: 57 Table: 614 Wings

1. WING ATTACHMENT BOLTS	Inspect the wing attachment bolts (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, Chapter 57-17-01, 201 or 57-17-02, 201).				
	a. Left Fwd Upper	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	b. Left Aft Upper	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	c. Left Fwd Lower	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	d. Left Aft Lower	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
1. WING ATTACHMENT BOLTS	Inspect the wing attachment bolts (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, Chapter 57-17-01, 201 or 57-17-02, 201).				
	a. Right Fwd Upper	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	b. Right Aft Upper	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	c. Right Fwd Lower	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
	d. Right Aft Lower	5 Yrs	04/05/18	04/30/23	1Yr 1Mn
2. a) Left OUTBOARD WING SECTION UPPER AND LOWER SPAR CAPS	Inspect and check for corrosion. Refer to Structural Inspection and Repair Manual, (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, 57-17-02, 201 Chart 201, Index No. 8).	1 Yrs	10/20/21	10/31/22	7Mns
b) Right OUTBOARD WING SECTION UPPER AND LOWER SPAR CAPS	Inspect and check for corrosion. Refer to the Structural Inspection and Repair Manual, (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, 57-00-00).	1 Yrs	10/20/21	10/31/22	7Mns
b) Right WING CENTER SECTION UPPER SURFACE BONDED PANEL SKIN	Inspect bonded panel. (Ref. 57-10-01, 601).	1 Yrs	04/07/21	04/30/22	1Mn
		600 Hrs	12,906.1	13,506.1	341.8 Hrs
4. a) Left NACELLE SPLICE PLATES	Inspect the splice plates for condition and corrosion (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, Chapter 57-17-03, 201).	12 Mns	10/20/21	10/31/22	7Mns
b) Right NACELLE SPLICE PLATES	Inspect the splice plates for condition and corrosion (Ref. STRUCTURAL INSPECTION AND REPAIR MANUAL, Chapter 57-17-03, 201).	12 Mns	10/20/21	10/31/22	7Mns

## ATA: 72 Table: 615 Engines

1. LEFT ENGINE	(a) Perform hot section inspection as required, refer to Pratt and Whitney Service Bulletin No. 3003 or subsequent. P&W S. B. 3003	1800 Hrs	12,672.7	14,472.7	1,308.4 Hrs
2. ENGINE MOUNT VIBRATION ISOLATORS - Left	Inspect vibration isolators for deterioration, damage and attachment. (Ref. COMPONENT MAINTENANCE MANUAL, 71-20-03). Replace at Engine TBO or 4000 Hours	4000 Hrs	12,672.0	16,672.0	3,507.7 Hrs



## ATA: 72 Table: 615 Engines

Item	Description	Interval	Insp	Due	Rem
1. RIGHT ENGINE	(a) Perform hot section inspection as required, refer to Pratt and Whitney Service Bulletin No. 3003 or subsequent. P&W S.B. 3003	1800 Hrs	12,439.9	14,239.9	1,075.6 Hrs
2. ENGINE MOUNT VIBRATION ISOLATORS	Inspect vibration isolators for deterioration, damage and attachment. (Ref. COMPONENT MAINTENANCE MANUAL, 71-20-03). Replace at Engine TBO or 4000 Hours	4000 Hrs	12,439.9	16,439.9	3,275.6 Hrs
<b>ATA: 76 Table: 616 Engine Controls</b>					
PEDESTAL POWER LEVER STOP PIN	Inspect every 1,200 hours. Maximum allowable wear is 1/3 of pin diameter. (Ref. 76-10-13, 601).	1200 Hrs	12,855.7	14,055.7	891.4 Hrs



# INSPECTIONS

3/8/2022 N8170J Serial#: BB728 Total Time: 13164.3 Cycles: 12504

Item	Description	Interva	Insp	Due	Rem
<b>Hartzell</b>					
<b>ATA: 61 Propellers</b>					
<b>1 QUIET TURBOFAN PROPELLERS</b>					
The following items require removal of the spinner dome.					
<b>2 LEFT PROPELLER ASSEMBLY Sect 1.2.1</b>					
Blades	a. Examine the edges and surfaces for cracks, scratches, depressions, erosion and gouges.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Hubs	b. Examine the visible hub parts for cracks or wear	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	c. Examine the visible areas for oil and grease leaks (See Raisbeck Maintenance Manual Figure 1-4).	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	d. Examine all visible parts for wear and security of attachment.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	e. Examine all hardware for proper fit, torque requirements and safety.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	f. Examine the condition of the mechanical feedback ring, stop rods and springs.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Carbon Block Pin	g. Examine for freedom of movement.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Reversing lever	h. Examine the brass ring and the reversing lever. Make sure that there is no metal-to-metal contact between the brass ring and the reversing lever.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Reversing linkage	i. Examine for correct adjustment, operation, evidence of binding and security of installation.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Pedestal controls	j. Make sure all pedestal controls and switches operate correctly.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Blade track	Refer to page 5-15 of owners manual and figure 5-1	400 Hrs	12,855.7	13,255.7	161.6 Hrs
Preload Set Screw	Check Preload Set Screw. Refer to page 5-16 of owners manual and figures 2-2 through 2-8	400 Hrs	12,855.7	13,255.7	161.6 Hrs
Pedestal controls	Make sure all pedestal controls and switches operate correctly.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
<b>3 RIGHT PROPELLER ASSEMBLY Sect 1.2.</b>					
Blades	a. Examine the edges and surfaces for cracks, scratches, depressions, erosion and gouges.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Hubs	b. Examine the visible hub parts for cracks or wear	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	c. Examine the visible areas for oil and grease leaks (See Raisbeck Maintenance Manual Figure 1-1)	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	d. Examine all visible parts for wear and security of attachment.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	e. Examine all hardware for proper fit, torque requirements and safety.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	f. Examine the condition of the mechanical feedback ring, stop rods and springs.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Carbon Block Pin	g. Examine for freedom of movement.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Reversing lever	h. Examine the brass ring and the reversing lever. Make sure that there is no metal-to-metal contact between the brass ring and the reversing lever.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Reversing linkage	i. Examine for correct adjustment, operation, evidence of binding and security of installation.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Blade track	Refer to page 5-15 of owners manual and figure 5-1	400 Hrs	12,855.7	13,255.7	161.6 Hrs
Preload Set Screw	Check Preload Set Screw. Refer to page 5-16 of owners manual and figures 2-2 through 2-8	400 Hrs	12,855.7	13,255.7	161.6 Hrs
Pedestal controls	j. Make sure all pedestal controls and switches operate correctly.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
<b>4 PROPELLER LUBRICATING</b>					



CAUTION:	LUBRICATION PROCEDURES MUST BE FOLLOWED CORRECTLY TO MAINTAIN ACCURATE DYNAMIC BALANCE OF THE PROPELLER BLADE ASSEMBLIES AND HUB ASSEMBLY. REFER TO HARTZELL PROPELLER OWNERS MANUAL MAINTENANCE PRACTICES 61-00-49 FOR DETAILED LUBRICATION PROCEDURES				
DO NOT MIX GREASES.	Locate the decal on the propeller that indicates the type of grease used. If the propeller is to be relubricated with a different type of grease, the propeller must be disassembled and completely cleaned of the old grease.				
	DO NOT USE AN AIR ASSISTED GREASE GUN TO LUBRICATE THE PROPELLER				
<b>5 LEFT PROPELLER LUBRICATING Sect 1.</b>					
	IAW Hartzell Manual Maintenance Practices 61-00-49 page 6-6 :	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Blade sockets	1. Refer to Figure 6-1. Each blade socket has two (front and rear) lubrication fittings. Remove the cylinder-side (front) fitting from each blade socket. Use a piece of safety wire to loosen any blockage or hardened grease at the threaded holes where the lubrication fitting was removed.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	2. Use a piece of safety wire to loosen any blockage of hardened grease at the threaded holes where the lubrication fitting was removed.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	3. Pump 1 fl. oz. (30 ml) grease into each engine side (rear) lubrication fitting, or until grease emerges from the hole where the lubrication fitting was removed - whichever occurs first. NOTE: 1 fl oz is approx. 6 pumps with a hand operated grease gun.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	4. Reinstall removed lubrication fittings. Torque the fittings to 50 in-lbs NOTE Make sure the ball of each lubrication fitting is properly seated.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	5. Install a new lubrication fitting cap on each fitting.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Low pitch stop rods	Lubricate the low pitch stop rods.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
<b>6 RIGHT PROPELLER LUBRICATING Sect 1</b>					
	IAW Hartzell Manual Maintenance Practices 61-00-49 page 6-6 :	200 Hrs	13,094.1	13,294.1	200.0 Hrs
Blade sockets	1. Refer to Figure 6-1. Each blade socket has two (front and rear) lubrication fittings. Remove the cylinder-side (front) fitting from each blade socket. Use a piece of safety wire to loosen any blockage or hardened grease at the threaded holes where the lubrication fitting was removed.	200 Hrs	13,094.1	13,294.1	200.0 Hrs
	2. Use a piece of safety wire to loosen any blockage of hardened grease at the threaded holes where the lubrication fitting was removed.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	3. Pump 1 fl. oz. (30 ml) grease into each engine side (rear) lubrication fitting, or until grease emerges from the hole where the lubrication fitting was removed - whichever occurs first. NOTE: 1 fl oz is approx. 6 pumps with a hand operated grease gun.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	4. Reinstall removed lubrication fittings. Torque the fittings to 50 in-lbs NOTE Make sure the ball of each lubrication fitting is properly seated.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
	5. Install a new lubrication fitting cap on each fitting.	200 Hrs	12,983.1	13,183.1	89.0 Hrs
Low pitch stop rods	Lubricate the low pitch stop rods.	200 Hrs	12,983.1	13,183.1	89.0 Hrs



# INSPECTIONS

**3/8/2022 N8170J Serial#: BB728 Total Time: 13164.3 Cycles: 12504**

Item	Description	Interva	Insp	Due	Rem
<b>OVERHAUL &amp; REPLACEMENT REQUIREMENTS</b>					
<b>ATA: 21 Table: 601 Environmental/Air Conditioning</b>					
Pneumatic Flow Control Unit Solenoid Valve Filter- Left P/N 1520173	Clean - Replace filter (furnished in Kit No. 1520174) when obstructions cannot be removed by cleaning.	800 Hrs	12,538.0	13,338.0	173.7 Hrs
Pneumatic Flow Control Unit Solenoid Valve Filter - Right P/N 1520173	Clean - Replace filter (furnished in Kit No. 1520174) when obstructions cannot be removed by cleaning.	800 Hrs	12,538.0	13,338.0	173.7 Hrs
<b>ATA: 24 Table: 603 Electrical Power</b>					
Starter-Generator - Left	Replace or Overhaul	1000 Hrs	12,595.0	13,595.0	430.7 Hrs
Starter-Generator - Right	Replace or Overhaul	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
<b>ATA: 25 Table: 604 Equipment/Furnishings</b>					
Emergency Locator Transmitter Battery (Ref. 25-60-01, 201, 25-61-01, 201, 25-63-01, 201, 25-65-01, 201, 25-67-01, 201.)	Replace at 50% of useful life as stated on the battery or anytime the transmitter is used more than one cumulative hour.	12 Mns	10/20/21	10/31/22	7Mns
<b>ATA: 32 Table: 607 Landing Gear</b>					
Actuator (Mechanical) (Nose)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	12,060	20,060	7,556 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
Actuator (Mechanical) (Left)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	11,933	19,933	7,429 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	09/30/16	09/30/22	6Mns
Actuator (Mechanical) (Right)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	11,933	19,933	7,429 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	09/30/16	09/30/22	6Mns
Landing Gear Motor (Mechanical)	Overhaul	8000 Cyc	10,988	18,988	6,484 Cyc
	I - This overhaul is to coincide with the inspection of the gearbox	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
Brake System Hoses (Left)	Replace (Only hoses exposed in wheel well)	5 Yrs	10/11/19	10/31/24	2Yrs 7Mns
Brake System Hoses (Right)	Replace (Only hoses exposed in wheel well)	5 Yrs	10/11/19	10/31/24	2Yrs 7Mns
<b>ATA: 35 Table: 608 Oxygen</b>					
Passenger Oxygen Shutoff Valve	Replace packings every 48 months. Ref. Chapter 35-20-05, 401; 35-20-07, 301	48 Mns	10/20/21	10/31/25	3Yrs 7Mns
<b>ATA: 37 Table: 609 Vacuum</b>					
Instrument Air Filter (Ref. Chapter 37-20-01, 401.)	Replace every 800 hours, or more often, if conditions (operation in heavy smoke or dust) warrant.	800 Hrs	12,811.0	13,611.0	446.7 Hrs
<b>ATA: 61 Table: 610 Propellers</b>					
Propeller (Left) (Ref. 61-11-01, 001 or 61-13-01, 001 as applicable)	Overhaul Refer to Hartzell Service Letter 61M or subsequent	4000 Hrs	12,855.7	16,855.7	3,691.4 Hrs
	or to McCauley Service Bulletin 137B or subsequent.	6 Yrs	10/11/19	10/31/25	3Yrs 7Mns
Propeller (Right) (Ref. 61-11-01, 001 or 61-13-01, 001 as applicable)	Overhaul Refer to Hartzell Service Letter 61M or subsequent	4000 Hrs	12,855.7	16,855.7	3,691.4 Hrs
	or to McCauley Service Bulletin 137B or subsequent.	6 Yrs	10/11/19	10/31/25	3Yrs 7Mns



### ATA: 61 Table: 610 Propellers

Item	Description	Interval	Insp	Due	Rem
Overspeed Governor - Left	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	12,672.0	16,272.0	3,107.7 Hrs
Overspeed Governor - Right	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	11,933.0	15,533.0	2,368.7 Hrs
Propeller Governor Left	Overhaul - Refer to Pratt & Whitney Service Bulletin Number 13303 or subsequent.	3600 Hrs	12,672.0	16,272.0	3,107.7 Hrs
Propeller Governor Right	Overhaul - Refer to Pratt & Whitney Service Bulletin Number 13303 or subsequent.	3600 Hrs	11,933.0	15,533.0	2,368.7 Hrs

### ATA: 71 Table: 611 Power Plant

Engine Vibration Isolator Mounts (Left)	Replace at engine overhaul or 4,000 hours, whichever occurs first. Refer to Component Maintenance Manual, 71-20-03.	4000 Hrs	12,672.0	16,672.0	3,507.7 Hrs
Engine Vibration Isolator Mounts (Right)	Replace at engine overhaul or 4,000 hours, whichever occurs first. Refer to Component Maintenance Manual, 71-20-03.	4000 Hrs	11,933.0	15,933.0	2,768.7 Hrs

### ATA: 72 Table: 612 Engines

P3 Air Filter - Left	Replace - Chapter 73-10-07 of engine maintenance manual	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
P3 Air Filter - Right	Replace - Chapter 73-10-07 of engine maintenance manual	1000 Hrs	12,538.0	13,538.0	373.7 Hrs
Engine Driven Fuel Pump - Left	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	10,989.5	14,589.5	1,425.2 Hrs
Engine Driven Fuel Pump - Right	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	10,795.2	14,395.2	1,230.9 Hrs
Left Engine fuel nozzles	Inspect nozzles	400 Hrs	13,094.1	13,494.1	329.8 Hrs
Right Engine fuel nozzles	Inspect nozzles	400 Hrs	13,094.1	13,494.1	329.8 Hrs

### ATA: 79 Table: 613 Oil

Engine Oil Filter - Left	Replace (Chapter 73-10-07 of engine maintenance manual)	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
Engine Oil Filter - Right	Replace (Chapter 73-10-07 of engine maintenance manual)	1000 Hrs	12,437.0	13,437.0	272.7 Hrs



# INSPECTIONS

**3/8/2022 N8170J Serial#: BB728 Total Time: 13164.3 Cycles: 12504**

Item	Description	Interva	Insp	Due	Rem
<b>OVERHAUL &amp; REPLACEMENT REQUIREMENTS</b>					
<b>ATA: 21 Table: 601 Environmental/Air Conditioning</b>					
Pneumatic Flow Control Unit Solenoid Valve Filter- Left P/N 1520173	Clean - Replace filter (furnished in Kit No. 1520174) when obstructions cannot be removed by cleaning.	800 Hrs	12,538.0	13,338.0	173.7 Hrs
Pneumatic Flow Control Unit Solenoid Valve Filter - Right P/N 1520173	Clean - Replace filter (furnished in Kit No. 1520174) when obstructions cannot be removed by cleaning.	800 Hrs	12,538.0	13,338.0	173.7 Hrs
<b>ATA: 24 Table: 603 Electrical Power</b>					
Starter-Generator - Left	Replace or Overhaul	1000 Hrs	12,595.0	13,595.0	430.7 Hrs
Starter-Generator - Right	Replace or Overhaul	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
<b>ATA: 25 Table: 604 Equipment/Furnishings</b>					
Emergency Locator Transmitter Battery (Ref. 25-60-01, 201, 25-61-01, 201, 25-63-01, 201, 25-65-01, 201, 25-67-01, 201.)	Replace at 50% of useful life as stated on the battery or anytime the transmitter is used more than one cumulative hour.	12 Mns	10/20/21	10/31/22	7Mns
<b>ATA: 32 Table: 607 Landing Gear</b>					
Actuator (Mechanical) (Nose)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	12,060	20,060	7,556 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
Actuator (Mechanical) (Left)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	11,933	19,933	7,429 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	09/30/16	09/30/22	6Mns
Actuator (Mechanical) (Right)	Overhaul or replace (Cycles of Hours whichever occurs first)	8000 Cyc	11,933	19,933	7,429 Cyc
	or upon evidence of significant internal leakage.	6 Yrs	09/30/16	09/30/22	6Mns
Landing Gear Motor (Mechanical)	Overhaul	8000 Cyc	10,988	18,988	6,484 Cyc
	I - This overhaul is to coincide with the inspection of the gearbox	6 Yrs	10/05/17	10/31/23	1Yr 7Mns
Brake System Hoses (Left)	Replace (Only hoses exposed in wheel well)	5 Yrs	10/11/19	10/31/24	2Yrs 7Mns
Brake System Hoses (Right)	Replace (Only hoses exposed in wheel well)	5 Yrs	10/11/19	10/31/24	2Yrs 7Mns
<b>ATA: 35 Table: 608 Oxygen</b>					
Passenger Oxygen Shutoff Valve	Replace packings every 48 months. Ref. Chapter 35-20-05, 401; 35-20-07, 301	48 Mns	10/20/21	10/31/25	3Yrs 7Mns
<b>ATA: 37 Table: 609 Vacuum</b>					
Instrument Air Filter (Ref. Chapter 37-20-01, 401.)	Replace every 800 hours, or more often, if conditions (operation in heavy smoke or dust) warrant.	800 Hrs	12,811.0	13,611.0	446.7 Hrs
<b>ATA: 61 Table: 610 Propellers</b>					
Propeller (Left) (Ref. 61-11-01, 001 or 61-13-01, 001 as applicable)	Overhaul Refer to Hartzell Service Letter 61M or subsequent	4000 Hrs	12,855.7	16,855.7	3,691.4 Hrs
	or to McCauley Service Bulletin 137B or subsequent.	6 Yrs	10/11/19	10/31/25	3Yrs 7Mns
Propeller (Right) (Ref. 61-11-01, 001 or 61-13-01, 001 as applicable)	Overhaul Refer to Hartzell Service Letter 61M or subsequent	4000 Hrs	12,855.7	16,855.7	3,691.4 Hrs
	or to McCauley Service Bulletin 137B or subsequent.	6 Yrs	10/11/19	10/31/25	3Yrs 7Mns



## ATA: 61 Table: 610 Propellers

Item	Description	Interval	Insp	Due	Rem
Overspeed Governor - Left	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	12,672.0	16,272.0	3,107.7 Hrs
Overspeed Governor - Right	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	11,933.0	15,533.0	2,368.7 Hrs
Propeller Governor Left	Overhaul - Refer to Pratt & Whitney Service Bulletin Number 13303 or subsequent.	3600 Hrs	12,672.0	16,272.0	3,107.7 Hrs
Propeller Governor Right	Overhaul - Refer to Pratt & Whitney Service Bulletin Number 13303 or subsequent.	3600 Hrs	11,933.0	15,533.0	2,368.7 Hrs

## ATA: 71 Table: 611 Power Plant

Engine Vibration Isolator Mounts (Left)	Replace at engine overhaul or 4,000 hours, whichever occurs first. Refer to Component Maintenance Manual, 71-20-03.	4000 Hrs	12,672.0	16,672.0	3,507.7 Hrs
Engine Vibration Isolator Mounts (Right)	Replace at engine overhaul or 4,000 hours, whichever occurs first. Refer to Component Maintenance Manual, 71-20-03.	4000 Hrs	11,933.0	15,933.0	2,768.7 Hrs

## ATA: 72 Table: 612 Engines

P3 Air Filter - Left	Replace - Chapter 73-10-07 of engine maintenance manual	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
P3 Air Filter - Right	Replace - Chapter 73-10-07 of engine maintenance manual	1000 Hrs	12,538.0	13,538.0	373.7 Hrs
Engine Driven Fuel Pump - Left	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	10,989.5	14,589.5	1,425.2 Hrs
Engine Driven Fuel Pump - Right	Overhaul - Refer to Woodward Service Bulletin 33580A or subsequent.	3600 Hrs	10,795.2	14,395.2	1,230.9 Hrs
Left Engine fuel nozzles	Inspect nozzles	400 Hrs	13,094.1	13,494.1	329.8 Hrs
Right Engine fuel nozzles	Inspect nozzles	400 Hrs	13,094.1	13,494.1	329.8 Hrs

## ATA: 79 Table: 613 Oil

Engine Oil Filter - Left	Replace (Chapter 73-10-07 of engine maintenance manual)	1000 Hrs	12,672.0	13,672.0	507.7 Hrs
Engine Oil Filter - Right	Replace (Chapter 73-10-07 of engine maintenance manual)	1000 Hrs	12,437.0	13,437.0	272.7 Hrs



MAKE: Hawker Beech  
MODEL: King Air B-200  
S/N: BB-728  
REG. NO: N8170J  
WORK ORDER:  
145-2905-09-2021



# **Western Airways CRS**

Repair Station No. WAIR8901  
200 Jim Davidson Dr.  
Sugar Land, TX 77498  
Phone: 281-565-9700

DATE: 22 October, 2021  
A/C TSN: 130541  
Landings: 12448  
TACH:

## **Airframe Entries**

Performed Incoming/Outgoing Inspection per Part 145 Repair Station Manual.

Performed all 200 Hour and 400 Hour lubrication requirements. All work performed as per Textron King Air200 Series Aircraft Maintenance Manual chapter 12-20-53. No defects noted

Performed a Phase 3 Inspection as per King Air 200 Series AMM Ch. 5-20-03. No defects noted.

Performed a Phase 3 Inspection of installed Raisbeck Engineering items Ram Air Recovery System, Dual Aft Body Strakes, Enhanced Performance Leading Edges, and Swept Blade Propellers. No defects noted.

Performed a Phase 4 Inspection as per King Air 200 Series AMM Ch. 5-20-03. No defects noted.

Performed a Phase 4 Inspection of installed Raisbeck Engineering items Ram Air Recovery System, Dual Aft Body Strakes, Enhanced Performance Leading Edges, and Swept Blade Propellers. No defects noted.

Adjusted the rigging of the right main landing gear. See Item 105 this Work Order for maintenance and CII.

Repaired small tear in L/H engine lower forward engine cowl fireseal with RTV106 High Temperature RTV. All work as per King Air Series SIRM Ch. 20-10-08.

R/H #1 passenger seat hydrolok recline actuators (2 ea.) P/N HL17500-20 were overhauled by Aviation Fabricators, C.R.S GVR304K on Work Order 017511-09-2021 dated 9/15/21. Actuators removal and reinstallation as per King Air 200 Series AMM Ch. 25-20-15. See Item 4 this Work Order for seat removal and reinstallation.

Replaced terminal blocks P/N M81714/2-BC1 S/N NSN on inner and outer LH AUX fuel quantity probes. New parts sourced from Raytheon Aircraft Parts inventory and distribution co. under P.O. 415-5492. Performed system insulation and capacitance of LH AUX fuel quantity probes, no defects noted. All work performed IAW King Air 200 Series AMM 28-40-00 and Standard Practices Manual 20-12-00, 20-12-01. Operational check satisfactory.

Inspected the gust lock and found to be the correct part number unit and in serviceable condition.

Performed the Inspection/Check of the Cabin Altitude Warning Pressure Switch as per King Air 200 Series AMM Ch. 21-30-11 (Method 1). No defects noted.

Performed Capacity Check of battery P/N RG380E/44, S/N 40660192 in accordance with Concorde Battery Corporation CMM 24-30-71. Battery is at 85% capacity. Removal and reinstallation as per King Air 200 Series AMM Ch. 24-30-01. Operational check satisfactory.

Performed the Left Main Landing Gear Wheels Inspection as per Parker IM199-110 Installation Manual with IPL for Conversion Kit P/N 199-110. No defects noted. See Item 4 this Work Order for CII and Maint.

Performed the Right Main Landing Gear Wheels Inspection as per Parker IM199-110 Installation Manual with IPL for Conversion Kit P/N 199-110. No defects noted. See Item 4 this Work Order for CII and Maint.

Performed the Left Main Landing Gear Mechanical Actuators Inspection as per King Air 200 Series AMM Ch. 32-30-11. No defects noted.

Performed the Right Main Landing Gear Mechanical Actuators Inspection as per King Air 200 Series AMM Ch. 32-30-11. No defects noted.

Performed the Crew Masks Inspection as per King Air 200 Series AMM Ch. 35-10-01. No defects noted.

Performed the Oxygen System Inspection as per King Air 200 Series AMM Ch. 35-00-19 and 35-00-00. No defects noted.

Performed the Oxygen System Passenger Shutoff Valve(with auto deployment oxygen system) Inspection as per King Air 200 Series AMM Ch. 35-20-01 (Method 1). No defects noted.

Duplicate of Item 20.

Performed the Cabin Door and Fuselage Frame Inspection as per King Air 200 Series AMM Ch. 53-10-00. No defects noted

Inspected the Left Outboard Wing Section Upper and Lower Spar Caps as per King Air Series SIRM Ch. 57-17-01. No defects noted.

Inspected the Right Outboard Wing Section Upper and Lower Spar Caps as per King Air Series SIRM Ch. 57-17-01. No defects noted.

Inspected the Left Nacelle Splice Plates as per King Air Series SIRM Ch. 57-17-03. No defects noted.

Inspected the Right Nacelle Splice Plates as per King Air Series SIRM Ch. 57-17-03. No defects noted.

Performed 12 mo. operational test of ELT per FAR 91.207 paragraph (d) and Artex Description, Operation, Installation and Maintenance Manual for ME406 and ME406HM ELT P/N 570-1600 Periodic Maintenance requirements. ELT M/N ME406, P/N 453-6603, S/N 188-11060, Beacon ID #ADCC40ACD0002F1. Battery Expires December 2021. Operational test was satisfactory.

Replaced the o-rings in the Passenger Oxygen Shutoff Valve using Kit P/N 4460102-1. All work as per King Air 200 Series AMM Ch.35-20-07 and Aerospace Systems and Components Overhaul Manual OM-4401/4402-1. Operational and leak check satisfactory.

Inspected the Left Outboard Wing Section Upper and Lower Spar Caps as per King Air Series SIRM Ch. 57-17-01. No defects noted.



MAKE: Hawker Beech  
MODEL: King Air B-200  
S/N: BB-728  
REG. NO: N8170J  
WORK ORDER:  
145-2905-09-2021



**Western Airways CRS**  
Repair Station No. WAIR890I  
200 Jim Davidson Dr.  
Sugar Land, TX 77498  
Phone: 281-565-9700

16  
DATE: 22 October, 2021  
A/C TSN: 13094.1  
Landings: 12449  
TACH:

#### Airframe Entries

Inspected the Right Outboard Wing Section Upper and Lower Spar Caps as per King Air Series SIRM Ch. 57-17-01. No defects noted.

Recovered refrigerant from the vapor cycle air conditioner and found it to be overcharged by .8 lb. Serviced with 6.0 lbs. of R-134a refrigerant. All work as per King Air 200 Series AMM Ch. 12-10-09.

Replaced 7 Annunciator Bulbs with new Bulbs P/N: 327 sourced from Western Airways IAW Textron 200 Series AMM CH: 33-10-05

Removed the Right Engine Torque Upper right Post Light that was broken with a new Post Light P/N: 71450B23 sourced from Edmo Distributors Order #: 1919990 IAW Textron 200 Series AMM CH: 31-10-05

New Master Warning Lens P/N: 607-0841-001 sourced from Raytheon Aircraft Company Tracking #: 00382632-000026 in the Copilot Master Warning Annunciator IAW

Removed RMI-30 with broken lighting P/N: 622-4938-001 S/N: 0604 and Installed As Removed RMI-30 P/N: 622-4938-001 S/N: 9116 sourced from Lake Country Avionics LLC Invoice #: LC15410 IAW Textron 200 Series AMM CH: 33-10-01.

Removed broken Copilot Master Warning Lens and Installed New Master Warning Lens P/N: 607-0841-001 sourced from Raytheon Aircraft Company Tracking #: 00382632-000026 in the Copilot Master Warning Annunciator IAW Textron Aviation 200 Series AMM CH: 31-50-00.

Lighting operational check passed satisfactory.

Serviced the cabin door snubber with MIL-PRF-5606 fluid as per King Air 200 Series AMM Ch. 52-10-01. Operational check satisfactory.

Removed pilot's left brake master cylinder P/N 90-380001-33, S/N 113 and installed master cylinder P/N 90-380001-35, S/N 012521XU which was overhauled by APPH Wichita, C.R.S. OU2R070L on Work Order 700154 dated 8/24/21. Operational check satisfactory. All work as per King Air 200 Series AMM Ch. 32-40-11 and 32-40-1.

Swapped the auto-feather armed light relays A122 K3 and A118K2 for troubleshooting. All work as per King Air Standard Practices Manual Ch. 20-01-00. Operational check satisfactory.

Fabricated and attached a backing plate covered with Velcro loop to secure divan backrest. All work as per King Air Series SIRM Ch. 20-10-00. Operational check satisfactory.

#1 Main wheel P/N 40-289, S/N 2739-1/2739-2 was overhauled and new tire installed by Falcon Crest Accessories, C.R.S. GP2R854K on Work Order 92917 dated 9/27/21. New tire P/N185F03-5, S/N 11950254. Removal and installation as per Parker Installation Manual for Kit No. 199-110.

#2 Main wheel P/N 40-289, S/N 1333-1/1333-2 was overhauled and new tire installed by Falcon Crest Accessories, C.R.S. GP2R854K on Work Order 92916 dated 9/27/21. New tire P/N185F03-5, S/N 11950227. Removal and installation as per Parker Installation Manual for Kit No. 199-110.

Installed customer-supplied placards on interior and exterior of aircraft as required. All work as per King Air 200 Series AMM Ch. 11-20-00.

Serviced the oxygen system with ABO as per King Air 200 Series AMM Ch. 12-10-11.

Blended left engine lower forward cowling to prevent chafing on outboard exhaust stack. All work as per King Air Series SIRM Ch. 54-00-01.

Blended right engine lower forward cowling to prevent chafing on inboard exhaust stack. All work as per King Air Series SIRM Ch. 54-00-01.

Replaced 1 shim in #1 brake backing plate and 2 shims in #2 brake backing plate with new units P/N 068-04100. See items 84 and 85 this Work Order for installation and CII. Parts sourced from Textron Aviation on Work Order 7893413 dated 9/8/21.

Repaired tears in L/H engine upper cowl fireseals with RTV 106 as per King Air Series Standard Practices Manual Ch. 20-10-00.

Replaced the right engine lower aft cowl inboard attach bracket with a new unit P/N 101-980030-11 as per King Air 200 Series SIRM Ch. 20-50-02. Part sourced from Textron Aviation on Work Order 4485715.

Replaced the air conditioning compressor drive belt with a new unit P/N 115-389009-3 which was sourced from Textron Aviation on Work Order 4485715 dated 9/14/21. All work as per King Air 200 Series AMM Ch. 21-50-09. Operational check satisfactory. R/H engine upper cowling aft bulk head was repaired by Aero Structural Services, L.L.C., C.R.S. F8VR234O on Work Order 382399 dated 10-20-21.

Performed the Left Main Landing Gear Mechanical Actuator Lubrication. Left main landing gear actuator P/N 99-810057-654, S/N 483798 was removed, lubricated, reinstalled, and rigged as per King Air 200 Series AMM Ch. 32-30-03, 32-30-07, and 32-30-17. Operational check satisfactory.

Performed the Right Main Landing Gear Mechanical Actuator Lubrication. Right main landing gear actuator P/N 99-810057-653, S/N 050425030 was removed, lubricated, reinstalled, and rigged as per King Air 200 Series AMM Ch. 32-30-03, 32-30-07, and 32-30-17. Operational check satisfactory.

Replaced 2 bolts in lower engine cowlings with new units P/N 101-910047-7 which were sourced from Textron Aviation on Work Orders 4487250 dated 9/15/21 and 449283 dated 9/20/21. See Item 5 this Work Order for installation.

Applied erosion tape to all antennas leading edges.

Repaired 2 small holes in the left outboard wing deicer boot using 2 P/N 74-451-187 patches. Operational and leak check



MAKE: Hawker Beech  
MODEL: King Air B-200  
S/N: BB-728  
REG. NO: N8170J  
WORK ORDER:  
145-2905-09-2021



**Western Airways CRS**  
Repair Station No. WAIR890I  
200 Jim Davidson Dr.  
Sugar Land, TX 77498  
Phone: 281-565-9700

DATE: 22 October, 2021  
A/C TSN: 130941  
Landings: 12448  
TACH:

#### Airframe Entries

satisfactory. All work as per King Air 200 Series AMM Ch. 30-10-01.

Removed right elevator inboard static wick base, cleaned mating surfaces and reinstalled. Bonding check satisfactory. All work as per King Air Series SIRM Ch. 20-50-01.

Removed right horizontal stabilizer tip static wick base, cleaned mating surfaces and reinstalled. Bonding check satisfactory. All work as per King Air Series SIRM Ch. 20-50-01.

Repaired broken wires on Emergency Exit connector wire harness IAW Textron King Air 200 Series Standard Practices Manual CH: 20-12-00 and 20-12-01.

Replaced the Side Panel Illumination Transistor with a New Transistor P/N: 132404-11 sourced from Textron Aviation form #: 7933868 IAW Textron 200 Series AMM CH: 31-10-25.

Removed CoPilots Circuit breaker Lighted panel P/N: 101-364421-5 and Installed Repaired CoPilot Circuit Breaker Lighted Panel P/N: 90-364022-11 sourced from AirCapitol Dial INC Cert: C64R675N Form#:41234.

Removed Fuel Control Panel P/N: 90-364022-11 and Installed Repaired Fuel Control Lighted Panel P/N: 90-364022-11 sourced from Air Capitol Dial Cert: C64R675N.

Lighted Panel Maint done IAW Textron 200 Series AMM CH: 33-13-05. Operational check passed satisfactory.

Replaced the left wingtip, right wingtip, and tail strobe light flash tubes with new units P/N 55-0221-1 which were sourced from Aircraft Spruce and Specialty Co. on Order #14857305 and #14853856. All work as per King Air 200 Series AMM Ch. 33-40-05.

Removed strobe light power supply P/N 60-1750-3, S/N 4387M and installed unit P/N 60-1750-3, S/N 7219 which was overhauled by Southwind Aviation Supply L.L.C., C.R.S. UO9R076Y on Work Order 45967 dated 10/6/20. Operational check satisfactory. All work as per King Air 200 Series AMM Ch. 33-40-09.

Replaced the left recognition light lamp with a new unit P/N 1982SP sourced from Western Airways stock. Operational check satisfactory. All work as per King Air 200 Series AMM Ch. 33-40-01.

Replaced left #2 and #5 and right #2 cabin window lamps with new units P/N 5108WW. Operational check satisfactory. All work as per King Air 200 Series AMM Ch. 33-20-01.

Replaced the auxiliary fuel tank inboard fuel probe terminal block with a new terminal block P/N: M81714/2-BC1 IAW Textron King Air 200 Series Standard Practices Manual CH: 20-12-00 and 20-12-01. Operational check passed satisfactory.

Removed damaged wire and replaced the wires between the auxiliary fuel tank terminal blocks on the right wing. Wrapped the wires in Anti-Chafe Tape in the area that the wires would be prone to rubbing. Pined the wires into the inner and outer auxiliary fuel tank terminal blocks. Removed and replaced the ground wire for the wiring of the RH Inner fuel tank outer probe. Wire repair done IAW Textron King Air 200 Series Standard Practices Manual CH: 20-12-00 and 20-12-01. Operational check passed satisfactory.

Removed the right engine upper aft fire detector P/N: 30-215-8, S/N: 63664 and installed fire detector P/N: 473275, S/N: 4768 which was inspected and tested by Aircraft Component Technical Services, C.R.S. A1TR509Y on Work Order R11046 dated 3/4/21. All work as per King Air 200 Series AMM Ch. 26-10-01. satisfactory. Operational check satisfactory.

Re-torqued all hose clamps on R/H wing inboard aft fuel cell inboard nipples as per King Air 200 Series AMM Ch. 28-10-17. Leak Check satisfactory.

Adjusted the rigging of the nose landing gear R/H door as per King Air 200 Series AMM Ch. 32-30-31. Operational check satisfactory.

Repaired erosion damage on dorsal fin upper aft edge as per King Air Series SIRM Ch. 20-10-04. Painted to match using customer supplied paint and applied erosion tape to leading edge surfaces.

Repaired 3 areas of erosion damage on horizontal stabilizer-to-vertical stabilizer bullet fairing as per King Air Series SIRM Ch. 20-10-04. Painted to match using customer supplied paint and applied erosion tape to leading edge surfaces.

Replaced all passenger oxygen masks with new units P/N C351-2000-227 (11 ea.) which were sourced from Textron Aviation on Work Order 4515464 dated 10/6/21 (10 ea.) and 457216 dated 10/7/21 (1 ea.). All work as per King Air 200 Series AMM Ch. 35-20-11. Operational check satisfactory.

Replaced 3 broken rivets with new units P/N MS20470AD4-4 at fuselage lower fairing just aft of main wing spar. All work as per King Air Series SIRM Ch. 20-50-02.

Replaced cabin door upper aft support cable with a new unit P/N 132538-A55 which was sourced from Textron Aviation on Work Order 4517216 dated 10/7/21. All work as per King Air Series AMM Ch. 52-10-01.

Left engine lower aft cowling upper aft outboard and inboard nut plates were replaced with new units P/N F2000-4 as per King Air SIRM Ch. 20-50-03.

Removed 5 amp circuit breaker P/N 7277-2-5, S/N - N/A from LH start position and installed new 5 amp circuit breaker P/N 7277-2-5, S/N - N/A sourced from Dallas Avionics, Inc. sales order number 449946. Referenced Textron King Air 200 standard practices chapter 20-12-00. Operational test was satisfactory.

3 of 4

I certify that this (Aircraft, Engine, Prop or Component) has been repaired and/or inspected in accordance with 14 CFR 91.409 (F) (3), has been determined to be in an airworthy condition and approved for return to service with respect to work performed. Pertinent details are on file at this repair station under the above work order. A copy of this work order has been given to the operator.

DATE: 22 October, 2021

SIGNED:

Jason Butler  
Certified Repair Station No. WAIR890I

Work Order: 145-2905-09-2021

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4 of 4



32  
RH

1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. Organization Name and Address: <b>Aerospace Turbine Rotables Inc. 3414 W 29th St South Wichita, KS 67217 US Ph: (316) 943-6100, Fax: (316) 943-2917 FAA Approval Holder: [REDACTED]</b>		3. Form Tracking Number: <b>176461</b>	
4. Item 1	7. Description: LANDING GEAR ACTUATOR	8. Part Number: 99-810057-653	9. Quantity: 1.00	10. Serial Number: 050425030	11. Status/Work: OVERHAULED
12. REMARKS Overhauled and certified IAW the documents listed. Full details of work performed held on work order.					
<p>Manuals Used: Manual ID: 101-590097-13, Type: CMM, Rev: B8, Rev Date: 5/1/2014; Manual ID: 32-3433, Type: SB, Rev: 1, Rev Date: 8/1/2002; Manual ID: 98-36381E, Type: SCMM, Rev: 1, Rev Date: 11/1/2008</p>					
<p>The work specified in Blocks 11/12 was performed in accordance with EASA-Part 145 and with respect to the work, the aircraft component is considered ready for release to service under EASA Approval Certificate EASA.145.4033.</p>					
<p>13a. Certifies the items identified above were manufactured in conformity to:</p> <p><input type="checkbox"/> Approved design data and are in a condition for safe operation.</p> <p><input type="checkbox"/> Non-approved design data specified in Block 12</p>					
13b. Authorized Signature:		13c. Approval Authorization No:		14a. [X] 14 CFR 43.9 Return to Service [X] Other regulation specified in Block 12	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yy)		14b. Authorized Signature: [REDACTED]	
				14c. Approval/Certificate No: [REDACTED]	
				14d. Name (Typed or Printed): <b>WILLIAM E. BRIGGS</b>	
				14e. Date (dd/mm/yyyy): 06/Jan/2015	
<p>User/Installer Responsibilities</p> <p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>					





# AEROSPACE TURBINE ROTABLES, INC.

3414 W. 29th St South  
Wichita, Ks 67217, US  
FAA Certified Repair Station No. NV2R045L, EASA.145.4033  
Ph: (316) 943-6100, Fax: (316) 943-2917

## Work Order

W/O Number: WO61191

Part Number: 99-810057-653

Serial No: 050425030

Work Type: OVERHAUL

Printed: 10/8/2014 Page#: Page 1 of 3

Bill To: 10536  
Falcon Crest

Phone #:

Ship To: 10536  
Falcon Crest

Part No: 99-810057-653

Qty: 1

Refno:

Need Date: 10/18/2014

Cust PN:

Mfg: HBC

Ship Via: UPS Ground

Sched Date: 10/18/2014

Descr: LANDING GEAR ACTUATOR

Mfg SN:

Ship Acct#:

SN: 050425030

Terms:

Dist/Dealer:

Notes:

NOV 12 2014

### RECEIVING INSPECTION

Perform receiving inspection, examine for obvious damage, verify part number/serial number, attach appropriate documents, and generate work order.

Start:



489177S

Signature/Stamp

Performed by AeTR Receiving

Complete:



489177C

### PRELIMINARY INSPECTION, HIDDEN DAMAGE INSPECTION & TEARDOWN

Perform preliminary inspection, hidden damage inspection, disassembly & cleaning

Start:



489178S

Signature/Stamp

Complete:



489178C

NOV 12 2014

### NDT

Mag. Particle Inspection, Dye Penetrant, Eddy Current and X-Ray as required.

Start:



489179S

Signature/Stamp

Complete:



489179C

NOV 12 2014

### OVER & ABOVE

Over and Above Details

Start:



489180S

Signature/Stamp

N/A

Complete:



489180C

Qty	CD	Part Number
0	NE	115-810033
0	NE	115-810034
0	NE	99-810047
0	NE	AE-810130-1
0	NE	AE8150-3

Description
PLUG
SHIM
CLEVIS
GEAR/PIN.SET REV.-
PONY BRAKE REV.C

Location
C-30-08
C-30-09
C-38-04
H-11-01
H-03-01

### ASSEMBLY & IN PROCESS INSPECTIONS

Perform required workscope, requisition parts & assemble in accordance with approved data & quality processes.





# AEROSPACE TURBINE ROTABLES, INC.

3414 W. 29th St South  
Wichita, Ks 67217, US  
FAA Certified Repair Station No. NV2R045L, EASA.145.4033  
Ph: (316) 943-6100, Fax: (316) 943-2917

**Work Order**  
**W/O Number: WO61191**  
Part Number: 99-810057-653  
Serial No: 050425030  
Work Type: OVERHAUL  
Printed: 10/8/2014 Page#: Page 3 of 3

## FINAL INSPECTION & MAINTENANCE RELEASE

Inspection review of component. Review all work performed, content embodied, & data used in the MRO cycle. Make airworthiness determination & release the product for return to service (if appropriate).

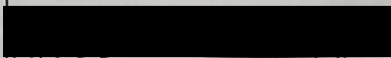
Start:



489183S

Signature/Stamp

JAN 06 2015



Complete:



489183C

Times/Cycles:

TSN

TSO

TSR

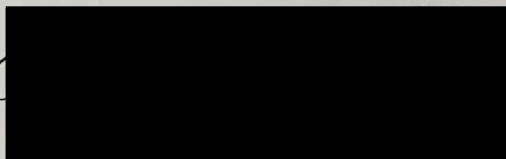
CSN

CSO

CSR

Manuals used to service this unit -

Manual ID: 101-590097-13, Type: CMM, Rev: B8, Rev Date: 5/1/2014; Manual ID: 32-3433, Type: SB, Rev: 1, Rev Date: 8/1/2002; Manual ID: 98-36381E, Type: SCMM, Rev: 1, Rev Date: 11/1/2008



NOV 12 2014

Tools used to service this unit -

Certificates and Stamps

AeTR Work Order (09/23/14)

A First Aviation Services, Inc. Company





# AEROSPACE TURBINE ROTABLES, INC.

3414 W. 29th St South  
Wichita, Ks 67217, US

FAA Certified Repair Station No. NV2R045L, EASA.145.4033  
Ph: (316) 943-6100, Fax: (316) 943-2917

## Work Order

W/O Number: WO61191

Part Number: 99-810057-653

Serial No: 050425030

Work Type: OVERHAUL

Printed: 10/8/2014 Page#: Page 2 of 3

Start:



489181S

Signature/Stamp

[Redacted Signature]

NOV 18 2014

Complete:



489181C

Qty	CD	Part Number	Description	Location
0	NE	100943YC112N	SPRING	C-29-05
0	NE	100951X040WB	WASHER	C-29-06
0	NE	100951XC64VF	WASHER 951X064VF	C-29-07
1	NE	108KSZ	BEARING	C-30-01
1	NE	115-810072	SHIM	C-10-10
0	NE	130909B70	BOLT AN6-20A	G-12-04
1	NE	14857	OIL SEAL	C-32-03
0	NE	18DU06	BUSHING 18DU6	C-32-04
1	NE	201PP	BEARING	C-41-04
1	NE	AE8100-3 9466-008	NUT ASSY. REV.G	H-08-01
1	NE	AN6227B15	O RING MS28775-210	C-39-02
1	NE	AN6227B21	O RING MS28775-216	C-39-04
0	NE	AN960-616	WASHER C-40-7	G-28-02
0	NE	M98	VENT	C-41-03
1	NE	MS16624-1046	SNAP RING	C-41-06
0	NE	MS21042L3	NUT	C-42-03
0	NE	MS21042L4	NUT LOC G-38-3	C-42-04
0	NE	NAS1106-23M	BOLT 6206-23	C-43-04
0	NE	NAS43HT4-60	SPACER 100696S-ZP030	C-41-08
1	NE	S6007CTAA7DUL	BEARING	C-38-11
1	NE	TR-115-380103	BEARING	C-30-02
1	NE	TR-115-810023-3	ACTUATOR HOUS REV A	T-28-01

NOV 12 2014

## TEST

### Functional Test

Start:



489182S

Signature/Stamp

[Redacted Signature]

JAN 05 2015

Complete:



489182C

### Measurement -

END PLAY CHECK: |  
PINION TO HOUSING |  
SCREW HOUSING TO HOUSING |  
NUT ASSY TO HOUSING (RETR) |  
NUT ASSY TO SCREW ASSY (ALL) |

EXTENDED | .002  
MIDDLE | .003  
RETRACTED | .003

NUT ASSY TO HOUSING (ALL) |

EXTENDED | .004  
MIDDLE | .002  
RETRACTED | .002

BRAKE CHECK (INCH) |  
INSPECTOR STAMP: [Redacted]

DATE: JAN 05 2015

## WORK/WORK ORDER REVIEW

Dept. Supervisor/designee review of article and work order to ensure all work has been performed I.A.W. FAR Part 43 and I.A.W. our RSOM. All work is completed and properly documented on work order. Article and work order are ready for final inspection.

Start:



489184S

Signature/Stamp

[Redacted Signature]

JAN 05 2015

Complete:



489184C