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N165JK **Bell 206B3 S/N 2930** **Hobbs: 121.9** **ACTT: 9796.9** **WO#2930-2**
RR250-C20B **S/N CAE-831638** **ENG TT: 6186.1** **CSN: 8264**

Scheduled Inspections

1. C/W Weekly Insp iaw Ch. 5-32.
2. C/W 50hr/12month Lube requirements iaw Ch. 12., Table 12-6.
3. C/W 100hr/3month Corrosion Insp iaw CCSD-PSE-87, Rev 1, dated 9/15/22.
4. C/W 100hr/12month Lube requirements iaw Ch. 12., Table 12-6.
5. C/W 100hr/12month Airframe Periodic Insp iaw Ch. 5-20.
6. C/W 100hr Progressive Insp iaw Ch. 5-16 thru 5-19.
7. C/W 200hr/12month Lubrication requirements iaw Ch. 12, Table 12-3. All gearboxes are serviced with Mobil 254.
8. C/W 300hr Hyd Filter Cleaning iaw Ch. 12, Table 12-5. Serviced with 5606.
9. C/W 300hr Airframe Fuel Filter replacement iaw Ch. 12, Table 12-2.
10. C/W 300hr/12month Lube requirements iaw Ch. 12, Table 12-6 & 12-7.
11. C/W 300hr Airframe Insp iaw Ch. 5-29.
12. C/W 600hr/12month Lube requirements iaw Ch. 12, Table 12-5 & 12-6.
13. C/W 1200hr Airframe Insp iaw Ch. 5-30.
14. C/W 12month Airframe Insp iaw Ch. 5-33.
15. C/W 12months of Comp Ops Airframe Insp iaw Ch. 5-34.
16. C/W 24month Airframe Insp iaw Ch. 5-35.
17. C/W 1200hrs of Comp Ops Airframe Insp iaw Ch. 5-39.
18. C/W 1200hr/24month Airframe Insp iaw Ch. 5-40.
19. C/W After Fuel System Maintenance And/Or Component Change iaw Ch. 5-46.

Optional Equipment Scheduled Inspections

1. C/W 100hr & 1500hr KAflex Driveshaft Insp iaw Kamatics Corp Service Instruction No. 2348, Rev K, dated 3/30/15.
2. C/W 100hr Aviation Development Corporation remote oil filter insp.
3. C/W 12month Concorde Lead Acid Battery capacity check iaw CMM Doc No. 5-0171, Rev Q, dated 12/4/18.

AD Compliance

1. C/W AD 85-25-01, Pilots Cyclic Control Stick Tube, dated 12/30/85 by visual insp – no defects noted.
2. C/W AD 89-10-11, RFM Limitations – Operations in Snow and Icing Conditions by updated RFM to current rev.
3. C/W AD 03-13-14, Eaton Tedeco Transmission Chip Detector, dated 8/12/03 by functional check – ok.
4. C/W AD 09-07-52, Cyclic Control Lever Assy Bearing, dated 5/01/09 by visual insp – no defects noted.
5. C/W AD 13-18-06, Flight Control Levers and Bellcranks Staked Bearings, dated 10/17/13 by visual insp – no defects noted.
6. C/W AD 19-08-10, FW Assy Oil Line Reducer and Restrictor Blockages by visual insp – no defects noted. Due next time the FWU oil supply system is opened.
7. C/W AD 21-11-01, Placard, RFM, Operating Procedures Revisions, dated 7/15/21 by updating RFM to current rev.
8. C/W AD 22-20-04, T/R Driveshaft Disc Pack Couplings Cracked or Missing Nuts, dated 12/23/22 by installation of new nuts P/N NAS 9926-4L.
9. C/W AD 23-06-05, T/R Driveshaft Assy, dated 5/19/23 by visual insp and torque check – no defects noted. Due next AFTT: 10096.9 or 9/31/24.
10. C/W AD 23-11-07, AFM, Rad Alt 5G Frequency Band Interference, dated 6/22/23 by incorporating AD text info RFM.
11. All AD's are current thru Biweekly 2023-20, reference complete list in aircraft records.

Work Performed

1. Removed M/R Hub and Blade Assy, M/R Mast, M/R Swashplate, M/R Gearbox, T/R Hub and Blade Assy, T/R Gearbox and Tailboom to facilitate maintenance.
2. Defueled aircraft and removed fuel cell to repair crack in crosstube support. Replaced aft crosstube fwd support with new unit P/N 206-031-301-121S. Repaired crosstube aft support iaw 5-2-1 in BHT-206-SRM-1. Retaped fuel cell bay and reinstalled fuel cell with all new gaskets and orings.
3. Replaced M/R Gearbox spike mount bushing and bearing with new units P/N's 206-031-513-001 & MS14102-8.
4. Replaced all 4 M/R Gearbox deck mount bearings with new units P/N 206-031-594-003.
5. Replaced both dog bone bearings with new units P/N 206-031-590-003.
6. Replaced 5 bearings in upper flight controls with new units P/N 206-010-470-101.
7. Replaced 3 T/R Drivetrain disc packs with new units P/N 32721-1.
8. Replaced oil cooler blower shaft with used/serviceable unit P/N 206-040-320-011.
9. Replaced T/R Hub bumper, liner and lock.
10. Replaced Fire Extinguisher with new unit P/N A344T.

11. Replaced M/R Grip seal with new unit P/N 529052.
12. Replaced 4ea Drive Link bushings with new units P/N 206-010-801-101.
13. Replaced both excluder seals and packings with new units P/N S30769 & AS3582-331.
14. Replaced T/R control tube in broom closet with used/serviceable unit P/n 206-001-020-029, S/N 4227.
15. Replaced LH Skylight P/N 206-548-037 and RH Skylight P/N 206-548-038 under Bell Helicopter Textron, Inc., STC# SH1664SO, dated 3/2/98 iaw Aeronautical Accessories, Inc Installation Instructions, Report No. AA-90021, Rev E, dated 4/2/98.
16. Replaced LH Windshield P/N 206-540-323 and RH Windshield P/N 206-540-324 under Bell Helicopter Textron, Inc., STC# SH1664SO, dated 3/2/98 iaw Aeronautical Accessories, Inc Installation Instructions, Report No. AA-89001, Rev I, dated 4/17/00.
17. Replaced LH Rubber Mounted Chin Bubble P/N 206-215-101 and RH Rubber Mounted Chin Bubble P/N 206-215-103 under Bell Helicopter Textron, Inc., STC# SH5850SW, dated 10/5/92 iaw Aeronautical Accessories, Inc Installation Instructions, Report No. AA-91034, Rev H, dated 6/27/00.
18. Replaced LH Rubber Mounted Crew Wedge Window Assy P/N 206-551-261 and RH Rubber Mounted Crew Wedge Window Assy P/N 206-551-262 under Bell Helicopter Textron, Inc, STC# SH5773SW iaw Aeronautical Accessories, Inc, Installation Instructions Report No. AA-91014, Rev L, dated 5/5/10.
19. Replaced LH Rubber Mounted Passenger Wedge Window Assy P/N 206-201-807 and RH Rubber Mounted Passenger Wedge Window Assy P/N 206-201-808 under Aeronautical Accessories, Inc STC# SH5685SW, dated 10/5/92 iaw Aeronautical Accessories Installation Instructions Report No. AA-91041, Rev H, dated 5/21/10.
20. All lap belts rewebbed by C&M Marine Aviation Services, Inc, CRS# V05R749Y under WO# N165JK, see 8130 dated 8/21/23 in aircraft records.
21. Disassembled M/R Swashplate Assy P/N 206-010-450-011, S/N GDJG-90400 for repair. Replaced bearing set with new unit P/N 206-010-440-001, S/N NH36477. Replaced both sleeve pins with new units P/N 206-101-408-001. Replaced both sleeve bushings with new units P/N 206-010-421-011. Replaced both bearing assy with new units P/N 206-010-441-001. Replaced both bearing guides with new units P/N 206-010-459-001. Replaced duplex bearing with used/serviceable unit P/N 206-010-443-001, S/N 10737. Painted and reassembled M/R Swashplate.
22. Disassembled T/R Gearbox P/N 206-040-400-013, S/N ALO-12225 to C/W 3000hr Insp iaw Ch. 5-44. Painted T/R Gearbox and reassembled with new seals and orings.
23. C/W 1200hr M/R Hub Insp iaw Ch. 5-39.
24. Reinstalled M/R Gearbox, M/R Mast, M/R Swashplate, M/R Hub & Blade Assy, Tailboom Assy, T/R Gearbox and T/R Hub and Blade Assy.
25. Aircraft ran up, no leaks noted and all systems satisfactory.
26. All components with Life/TBO/Cycles & Calendar service schedules are listed on AC Status Report.
27. All work done iaw BHT-206A/B-Series-MM-1, Rev 17, dated 4/10/20, BHT-206A/B/L-Series-CR&O, Rev 3, dated 2/10/20, BHT-ALL-SRM, Rev 1, dated 10/20/17 and Rolls-Royce Operation and Maintenance Manual, 10W2, Sixth Edition, Rev 25, dated 6/1/20.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

WO# 2930-2 September 26, 2023 Shaun Schoener 2822892IA

Power Check OAT 23 C TOT 770 PA 4000 TQ 99 Result +1

T/R Balance IPS .2 M/R Lateral Balance .15 M/R Vertical Balance .1

M/R Retention Nut Torque Check in 1 to 5 flight hours iaw Ch. 5-47.

C/W at AFTT _____ Date _____ By _____

Pillow Block Torque Check in 3 to 8 flight hours iaw Ch. 5-48.

C/W at AFTT _____ Date _____ By _____

Swashplate & Disc Pack Torque Check in 10 to 25 flight hours iaw Ch. 5-49.

C/W at AFTT _____ Date _____ By _____

Tailboom Torque Check in 100 flight hours iaw Ch. 5-50

C/W at AFTT _____ Date _____ By _____

BASIC WEIGHT AND BALANCE RECORD

(CONTINUOUS HISTORY OF CHANGES IN STRUCTURE OR EQUIPMENT AFFECTING WEIGHT AND BALANCE)

AIRCRAFT MODEL			SERIAL NUMBER			REGISTRATION NUMBER			PAGE OF		LOADING VERSION			MTO	
BELL 206B3			2930			N165JK			3 3		5 Seat & High Skid			3200	
DATE	ITEM NO.	DESCRIPTION OF ARTICLE OR MODIFICATION	WEIGHT CHANGES						RUNNING TOTAL						
			ADDED ()			REMOVED (-)			BASIC AIRCRAFT						
			WEIGHT	LONG C.G	MOMENT	LAT C.G	MOMENT	WEIGHT	LONG C.G	MOMENT	LAT C.G	MOMENT			
26/Mar/24		Reweigh									1864.4	115.4	215152	0.40	745.8
26/Mar/24	X	Weight & Balance	0.0		0		0				1864.4	115.4	215152	0.40	745.8
WEIGHT BROUGHT FWD.TO THE PILOT FLIGHT MANUAL			WEIGHT BROUGHT FWD.TO THE PILOT FLIGHT MANUAL												
WEIGHT 1864.4 LB			839.0 KG			WEIGHT 1864.4 LB			Lat CG Limit, Left 3in, Right 4in						
LONG ARM C.G 115.4 IN			293.12 CM			LAT ARM C.G 0.4 IN									
MOMENT 215152 LB.IN			245918 KG.CM			LAT MOMENT 745.8 LB.IN									

FORWARD CG LOAD EXAMPLE

MOST FORWARD CG; II								MOST AFT C.G							
106	1.3	Longitudinal			Lateral			Inch	111.6	0.0	Longitudinal			Lateral	
Most Fwd Load	Items	Each	Weight	Long CG	Moment	Lat CG	Moment	Most Aft Load	Items	Each	Weight	Long CG	Moment	Lat CG	Moment
Weight Empty			1864.4	115.4	215152	0.4	746	Weight Empty	1		1864.4	115.4	215152	0.4	746
Pilot	1	170	170.0	65.0	11050	14.0	2380	Pilot	1	170	170.0	65.0	11050	14.0	2380
Passenger Fwd	1	170	170.0	65.0	11050	-11.0	-1870	Passenger Aft	3	170	510.0	104.0	53040	0.0	0
Passenger Aft	3	170	510.0	104.0	53040	0.0	0	Oil Engine	12.3	1	12.3	179.0	2202	0.0	0
Oil Engine	12	1	12.3	179.0	2202	0.0	0	Fuel	610	1	610.0	118.0	71980	0.0	0
MTO 3200lb Total			2726.7	107.3	292493	0.5	1256	MTO 3200lb Total			3166.7	111.6	353423	1.0	3126

Aircraft was weighed using scales M2000-3-10RDC, S/N 15-10486 calibrated on November 13, 2023 by Shaun Schoener A&P 2822892.