

Edwards Rotorcraft Solutions, Inc.

2011 South Perimeter Road, Suite L

Fort Lauderdale, Florida 33309

Phone: [REDACTED], Fax: [REDACTED], Email: [REDACTED]



Friday, May 16, 2014

Make / Model: BELL 430
 Serial Number: 49078
 Registration: N331JE
 Total Time: -

HYPERION AIR
 C07301FL

Item	Description	Parts	Labor
COMPLY WITH 12 MONTH TEST REQUIREMENTS ON ELT SYSTEM			
1	Complied with 12 month test requirements in accordance with 14 CFR Part 91 §91.207(d) on ELT system. Battery due replacement; September 2016.	\$0.00	\$53.00
COMPLY WITH 24 MONTH TEST REQUIREMENTS ON PITOT / STATIC AND TRANSPONDER SYSTEMS			
2	Complied with 24 month test requirements in accordance with 14 CFR Part 91 §91.411 and §91.413 on pitot / static and transponder systems. Tests performed by Tropic Radio. Certification expiration May 31st, 2016.	\$742.50	
PERFORM 150 HOUR AND 600 HOUR LIMITATION INSPECTION ON MAIN ROTOR YOKE ASSEMBLY			
3	Performed 150 hour and 600 hour limitation inspections in accordance with BHT-430-MM-2 Table 4-2 on main rotor yoke assembly.	\$0.00	Incl #6
PERFORM 50 HOUR / 12 MONTH INSPECTION			
4	Performed 50 hour / 12 month inspection in accordance with BHT-430-MM-2 Section 5-13	\$0.00	Incl #6
PERFORM 150 HOUR / 12 MONTH INSPECTION IN ACCORDANCE WITH BHT-430-MM-2 SECTION 5-14			
5	Performed 150 hour / 12 month inspection in accordance with BHT-430-MM-2 Section 5-14. Performed operational checks as applicable to disturbed components. Note: Contents of the following performed during compliance of this action - 150 hour limitation inspection in accordance with BHT-430-MM-2 Table 4-2 on main rotor yokes. FAA AD99-23-03 para D (Vertical fin attachment). FAA AD2008-19-02 and BHT ASB430-00-17 (Hydraulic actuator support)	\$0.00	Incl #6
PERFORM 600 HOUR / ANNUAL INSPECTION IN ACCORDANCE WITH BHT-430-MM-2 SECTION 5-15			
6	Performed 600 hour / annual inspection in accordance with BHT-430-MM-2 Section 5-15. Performed operational checks as applicable to disturbed components.	\$0.00	\$19,610.00

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Item	Description	Parts	Labor
PERFORM EVERY 100 HOURS OF COMPONENT OPERATION INSPECTION ON SWASHPLATE CONTROLS			
7	Performed every 100 hours of component operation inspection in accordance with BHT-430-MM-2 Section 5-28 on swashplate controls.	\$0.00	Incl #6
PERFORM EVERY 300 HOURS OF COMPONENT OPERATION INSPECTION ON SWASHPLATE CONTROLS			
8	Performed every 300 hours of component operation inspection in accordance with BHT-430-MM-2 Section 5-29 on swashplate controls. Performed operational checks as applicable to disturbed components. Swashplate friction measured at 31 lbs.	\$0.00	Incl #6
PERFORM EVERY 600 HOURS OR 6 MONTHS OF COMPONENT OPERATION INSP ON FIRE EXTINGUISHER AND CARTRIDGE			
9	Performed every 600 hours or 6 months of component operation inspection in accordance with BHT-430-MM-2 Section 5-30 on engine fire extinguisher and cartridge. Performed operational checks as applicable to disturbed components.	\$0.00	Incl #6
PERFORM EVERY 600 HOURS OR 12 MONTH OF COMPONENT OPERATION INSPECTION AND 600 HR/ 12 MONTH LUBRICATION			
10	Performed every 600 hours or 12 months of component operation inspection and 600 hour / 12 month lubrication requirements in accordance with BHT-430-MM-2 Section 5-31 and Figure 12-5 on main driveshaft (Engine to transmission driveshaft) and tail rotor driveshaft. Performed operational and leak checks as applicable to disturbed components and dynamic balance of main driveshaft's.	\$288.60	Incl #6
PERFORM EVERY 600 HOURS OF COMPONENT OPERATION INSPECTION ON ENGINE STARTER GENERATOR AND M/R YOKES			
11	Performed every 600 hours of component operation inspection in accordance with BHT-430-MM-2 Section 5-32 on engine starter generator and main rotor yokes. Performed operational and leak checks as applicable to disturbed components.	\$3.34	Incl #6
PERFORM EVERY 6 MONTHS INSPECTION ON STANDBY ATTITUDE INDICATOR			
12	Performed every 6 months inspection in accordance with BHT-430-MM-2 Section 5-35 on Standby attitude indication. Performed operational checks as applicable to disturbed components.	\$0.00	Incl #6

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Item	Description	Parts	Labor
PERFORM 6 MONTH INSPECTION ON CLOCK BATTERY POWER SUPPLY			
13	Performed 6 month inspection in accordance with BHT-430-MM-10 Paragraph 95-200 on clock battery power supply. Performed operational checks as applicable to disturbed components.	\$0.00	Incl #6
PERFORM EVERY 2 CALENDAR YEARS INSPECTION IN ACCORDANCE WITH BHT-430-MM-2			
14	Performed every 2 calendar years inspection in accordance with BHT-430-MM-2 Section 5-36 on swashplate controls, main rotor mast, instruments and vertical fin. Performed operational checks as applicable to disturbed components. Note: Special inspection required between 1-5 flight hours in accordance with BHT-430-MM-2 Section 5-41 on main rotor yokes, and between 5-10 flight hours in accordance with BHT-430-MM-2 Section 5-42 on vertical fin, replaced vertical fin nuts (8) each.	\$993.80	\$1,696.00
PERFORM AFTER EVERY MAIN ROTOR BLADE REMOVAL SPECIAL INSPECTIN ON MAIN ROTOR YOKES			
15	Performed after every main rotor blade removal special inspection in accordance with BHT-430-MM-2 Section 5-40 on main rotor yokes.	\$0.00	Incl #6
PERFORM 150 HOUR / 6 MONTH, 300 HOUR, 600 HOUR / 12 MONTH AND MISCELLANEOUS SERVICING REQUIREMENTS			
16	Performed 150 hour / 6 month, 300 hour, 600 hour / 12 month and miscellaneous servicing requirements in accordance with BHT-430-MM-2, Figure 12-1 on tail rotor gearbox, nose landing gear centering actuator, environmental control unit cooling turbine, transmission, hydraulic reservoir, battery and electrical power receptacle. Serviced tail rotor gearbox and transmission oil systems with Royco 555 oil. Replaced transmission oil filter with new item. Serviced hydraulic oil system with MIL-H-5606 oil. Performed operational and leak checks as applicable to disturbed components.	\$454.23	Incl #6
PERFORM 25 HOUR, 50 HOUR, 100 HOURS, 300 HOURS AND 300 HOUR / 12 MONTH LUBRICATION REQUIREMENTS			
17	Performed 25 hour, 50 hour, 100 hours, 300 hour and 300 hour / 12 month lubrication requirements in accordance with BHT-430-MM-2 Figure 12-5 on pitch link universal, rotating ring assembly, cyclic lever, tail rotor input lever bearing, idler link, collective lever, tail rotor driveshaft hanger, crosshead bearing housing, counterweight Bellcrank housing, flapping bearing housing and main and nose landing gear wheels. Performed operational checks as applicable to disturbed components.	\$0.00	Incl #6
PERFORM CORROSION CONTROL INSPECTION IN ACCORDANCE WITH CSSD-PSE-87-001 SECTION 30-7			
18	Performed corrosion control inspection in accordance with CSSD-PSE-87-001 Section 30-7	\$0.00	\$848.00

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Item	Description	Parts	Labor
COMPLY WITH FAA AD2008-19-02 AND BHT ASB430-00-17			
19	Complied with FAA AD2008-19-02 Para (a) effective October 16th, 2008 (Hydraulic actuator support) and BHT ASB430-00-17 dated May 19th, 2000 (Hydraulic actuator support p/n 222-040-125-001. Inspection of) in accordance with AD and ASB Instructions.	\$0.00	\$53.00
PERFORM 150 HOUR AND 300 HOUR / 12 MONTH ENGINE INSPECTIONS AND SERVICING REQUIREMENTS ON #1 ENGINE			
20	Performed 150 hour and 300 hour / 12 month engine inspections and servicing requirements in accordance with Rolls Royce 250-C40B Operation and Maintenance Manual Section 72-00-00 Table 606 on No 1 engine. Drained and serviced engine oil system with Royco 560 oil. Replaced CEFA oil filter with new item. Performed operational and leak checks as applicable to disturbed components and compressor wash and rinse.	\$412.74	Incl #6
PERFORM 150 HOUR AND 300 HOUR / 12 MONTH ENGINE INSPECTIONS AND SERVICING REQUIREMENTS ON #2 ENGINE			
21	Performed 150 hour and 300 hour / 12 month engine inspections and servicing requirements in accordance with Rolls Royce 250-C40B Operation and Maintenance Manual, Section 72-00-00 Table 606 on NO. 2 engine. Drained and serviced engine oil system with Royco 560 oil. Replaced CEFA oil filter with new item. Performed operational and leak checks as applicable to disturbed components, and compressor wash and rinse.	\$0.00	Incl #6
PERFORM 300 HOUR / 6 MONTH 600 HOUR / 12 MONTH SERVICING REQUIREMENTS			
22	Performed 300 hour / 6 month 600 hour / 12 month servicing requirements in accordance with Rolls Royce 250-C40B Operation and Maintenance Manual, Section 72-00-00 Para 8.D - Engine servicing on engine oil and filter systems on both engines. Serviced engine oil systems with Royco 560 oil. Replaced CEFA oil filters with new items.	\$1,917.90	Incl #6
PERFORM 100 HOUR, ANNUAL AND 300 HOUR / 1 YEAR INSPECTIONS ON INLET BARRIER FILTER SYSTEM			
23	Performed 100 hour, annual and 300 hour / 1 year inspections in accordance with Aerospace Filtration Systems Instructions for continued airworthiness Report No. AFS-BH430-IBF-ICA on inlet barrier filter system. Performed operational checks as applicable to disturbed components.	\$0.00	Incl #6
OPERATOR REPORTS NO. 1 HYDRAULIC PUMP LEAKING FROM SHAFT SEAL (STATIC LEAK)			
24	Trouble shot #1 Hydraulic system / pump, trouble shot #2 Hydraulic system; during gear swing found excessive hydraulic fluid leaking from internal panels and drain along with gear leak down during timed up test. Removed all panels removed baggage floor and found leak to be originating from hydraulic spider assembly, trouble shot and further found loose connection at valve body, gained access tightened lines and performed gear test, no leak noted and gear passed uplock test.	\$0.00	\$3,392.00

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Item	Description	Parts	Labor
OPERATOR REPORTS CO-PILOT AIR WINDOW HAS BROKEN CLIP			
25	Replaced broken latch assembly.	\$82.00	\$53.00
OPERATOR REPORTS LEFT HAND MICROSWITCH FOR DOOR LOCK POSITION REQUIRES REPLACEMENT			
26	Removed interior side panels and adjusted both main cabin door switches, after course of a few days IIDS caution light came back and further troubleshooting revealed that door switch and terminal on item 55 below were causing caution light.	\$0.00	\$1,484.00
OPERATOR REPORTS OVERTORQUE OF MAIN ROTOR TO 105.6% FOR 2 SECONDS			
27	Performed all visual inspections in accordance with Chapter 5 over torque checklists.	\$0.00	\$1,484.00
OPERATOR REPORTS OIL LEAK EVIDENT FROM NO. 1 ENGINE			
28	Cleaned engine, engine deck area and performed leak check with black light.	\$161.80	\$0.00
OPERATOR REPORTS OIL LEAK EVIDENT FROM NO. 2 ENGINE			
29	Cleaned engine, engine deck area and performed leak check with black light.	\$0.00	\$0.00
COMPLY WITH FAA AD2008-14-01 AND BHT TB430-03-33			
30	Complied with FAA AD2008-14-01 effective August 14, 2008 (Fuel valve switch) and BHT TB430-03-33 Dated June 11, 2003 (Fuel valve switch, rewiring of) in accordance with AD and TB instructions. Note: Verified previously complied with. No action taken.	\$0.00	\$0.00

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Item	Description	Parts	Labor
COMPLY WITH FAA AD2013-18-06 AND BHT ASB430-09-42			
31	Complied with FAA AD2013-18-06 effective October 17, 2013 (Bearing installation) and BHT ASB430-09-42 Dated April 7, 2009 (Staked bearings, one time inspecting of) in accordance with AD and ASB Instructions.	\$0.00	\$0.00
COMPLY WITH FAA AD2013-20-03 AND BHT ASB430-05-34			
32	Complied with FAA AD2013-20-03 Effective December 5, 2013 (Third stage turbine vibration), BHT ASB430-05-34 Dated June 10, 2005 (New transient limit and power turbine RPM (NP) steady state operation avoidance, Introduction of), and Rolls Royce 250-C40B CEB A-72-5048 Dated June 13, 2005 (Engine, Turbine assembly - New threshold event recording and new steady-state operation avoidance range limit) in accordance with A.D., ASB, and CEB Instructions. <i>Note: Verified previously complied with. No action taken.</i>	\$0.00	\$0.00
RIGHT HAND MAIN LANDING GEAR WHEEL THROUGH BOLT, NUT AND WASHERS DAMAGED. REQUIRE REPLACEMENT			
33	Main landing gear wheel trough bolt, nut, and washer had mechanical damage a corrosion beyond allowable limits removed and replaced with new IAW BHTI MM-5.	\$941.30	\$53.00
RIGHT AND RIGHT HAND MAIN LANDING GEAR WHEEL ASSEMBLY DAMAGED BEYOND LIMITATIONS			
34	Removed and replaced both main landing wheel assemblies.	\$20,184.00	\$1,272.00
RIGHT AND LEFT HAND MAIN LANDING GEAR WHEEL AXLE SPACERS CORRODED. REQUIRE REPLACEMENT			
35	Removed and replaced right hand landing gear axle spacers with new due to corrosion beyond allowable limits.	\$2,046.00	\$318.00
NO. 1 DRIVESHAFT FORWARD CAP DAMAGED. REQUIRES REPLACEMENT			
36	Replaced No. 1 main driveshaft forward retainer cap with new item p/n 222-044-682-103 in accordance with BHT-430-CR&O chapter 63.	WARR	\$0.00

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Item	Description	Parts	Labor
NO. 1 ENGINE EXHAUST EJECTOR CRACKED			
37	Removed #1 exhaust stack and sent to Miami for certified repair, reinstalled exhaust stack.	\$562.50	\$212.00
LOWER ANTI COLLISION LIGHT INOPERATIVE			
38	Trouble shot lower anti collision light found strobe assembly to be shorted out most likely due to hydraulic fluid leak.	\$475.00	\$106.00
NO. 2 HYDRAULIC SYSTEM LEAKING ON RIGHT HAND SIDE OF LOWER FUSELAGE			
39	Investigated discrepancy and noted loose fitting on right hand wing for landing gear system. Secured fitting. Work performed in accordance with BHT-430-MM chapter 7 and 32. Performed operational and leak checks as applicable to disturbed components. No further discrepancies noted.	\$0.00	Item #24
ALL TELE-TEMPS FOR MAIN ROTOR DRIVESHAFTS TO BE REPLACED			
40	Replaced tele-temps for main rotor driveshaft with new items p/n 6000-1 (qty 8) and 6000-2 (qty 8) in accordance with BHT-430-CR&O chapter 32	\$263.25	\$212.00
TAIL ROTOR GEARBOX CHIP DETECTOR LEAKING AND CHECK VALVE DOES NOT FULLY CLOSE			
41	Investigated discrepancy. Removed, cleaned, inspected, and installed tail rotor chip detector and housing. No mechanical defects noted. Replaced packing's for detector and housing with new items p/n; AS3209-011 and M83248/1-907. Work performed in accordance with BHT-430-MM Chapter 65. Performed leak checks as applicable to disturbed components. No further discrepancies noted.	\$2.12	\$159.00
DRIVE LINK BOLT P/N 50-047C6-66 DAMAGED. REQUIRES REPLACEMENT			
42	Replaced drive link bolt p/n 50-047C6-99 with new item same p/n in accordance with BHT-430-MM chapter 67.	\$1,362.00	\$0.00

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TAIL ROTOR SERVO LEAKING AT SERVO			
43	Investigated discrepancy in accordance with BHT-430-MM chapter 29. Leakage rate determined to be within permissible limitations. No further action to be taken.	\$0.00	\$106.00
TAIL ROTOR CONTROL TUBE HAS CONTACT AGAINST LIGHTNING HOLE IN BULKHEAD			
44	Inspected tail rotor control tube. Mechanical damage limited to superficial damage to paint only. Applied protective finish to areas as applicable. Work performed in accordance with BHT-430-MM Chapter 67 and BHT-ALL-SPM Chapter 3. Complied with BHT ASB430-13-51 Dated September 3, 2013 (p/n 430-001-007-101, tail rotor control tube assembly modification) in accordance with ASB Instructions.	\$260.00	\$212.00
WASHER NOT INSTALLED ON RIGHT HAND MAIN LANDING GEAR AXEL P/N 140-009A81S1 12			
45	Installed new washer P/N 140-009A81S1 12 in accordance with BHT1 MM-5.	\$9.95	\$0.00
NUTPLATE DAMAGE FOR RIGHT HAND UPPER STABILIZER ACCESS PANEL (3RD FROM TOP, FORWARD END)			
46	Replaced nut plate with new item p/n MS21059L3 for right hand stabilizer upper axes panel in accordance with BHT-ALL-SRM Chapter 3	\$0.00	\$106.00
CENTER BUFFER PADS FOR MAIN ROTOR YOKES DAMAGED BEYOND 10% REPAIR LIMITATIONS			
47	Performed 24 month main rotor yoke inspection and found buffer pads to be deteriorated beyond allowable limits, removed existing pads and installed new pads. 24 month inspection.	\$3,290.00	\$1,272.00
MAIN ROTOR HUB THROUGH BOLTS (X8) AND DRIVE BUSHINGS (X7) DAMAGED			
48	Main rotor hub through bolts (8) each and drive bushings (7) each have mechanical damage and wear beyond allowable limits. 24 month inspection.	\$21,205.00	Incl #47

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Item	Description	Parts	Labor
MAIN ROTOR PITCH CHANGE LINK LOWER BOLTS DAMAGED			
49	(4) each main rotor pitch links have wear and mechanical damage beyond allowable limits. 24 month inspection.	\$1,056.00	\$0.00
TAIL ROTOR PITCH CHANGE LINKS WORN BEYOND LIMITATIONS			
50	Replaced tail rotor pitch control links with new items p/n 230-312-001-101 in accordance with BHT-430-MM chapter 67.	\$9,990.00	\$106.00
COLLECTIVE LINK BOLT DAMAGED			
51	Collective link bolt found to have mechanical damage beyond allowable limits. 24 month inspection.	\$1,519.00	\$53.00
SERVO MOUNT BOLT DAMAGED			
52	Servo mount bolt found to have mechanical damage beyond allowable limits. 24 month inspection.	\$339.00	\$106.00
NO. 2 ENGINE COMPRESSOR SCROLL DISCHARGE DUCT DAMAGED			
53	Engine compressor discharge duct found to be damaged beyond allowable limits, removed and replaced with new.	\$1,461.00	\$212.00
EJECTOR BLADE CRACKED ON LEFT HAND INLET COWLING. BLADE LOCATED 3RD FROM BOTTOM			
54	Removed and replaced defective cowling ejector blade, fastener and grommet.	\$36.55	\$79.50

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Item	Description	Parts	Labor
BAGGAGE DOOR MICRO SWITCH FOUND TO BE DEFECTIVE AND CAUSING IIDS CAUTION			
55	During trouble shooting of item 26 above the caution light came on over the course of the weekend, further troubleshooting determined that the baggage door micro switch and terminal were found to be defective.	\$1,060.00	\$1,272.00
PERFORM TAIL ROTOR, DRIVE SHAFT AND MAIN ROTOR TRACK AND BALANCE			
56	Performed balance of both engine drive shafts, tail rotor and main rotor track and balance.	\$0.00	\$848.00
57	Consumables	\$4,000.00	\$0.00
58	Freight Charges	\$620.00	\$0.00
SUB-TOTAL		\$75,739.58	\$35,377.50
<i>5% DISCOUNT ON BELL SPECIAL ORDERED PARTS PER DB AGREEMENT</i>		-\$3,202.10	\$0.00
TOTAL		\$107,914.98	