

**FAC 1461 AIRCRAFT ARRESTING SYSTEM**

FY22 SUC: \$75,981.38 / EA  
Source: Inflated from previous FY using ENR labor and material cost indices to measure actual inflation.  
Original Source: AFCEC Study, FY2021

			UM: EA ESL: 10			Mx (in hrs)										LABOR						
BARRIER	INSP TYPE	DESCRIPTION	COMPONENT	(MATERIAL) COST TO MX (in dollars per yr)	COST TO REPLACE	Daily	Wkly	Mo	Qrtly	Yrly	2 Yr	3 Yr	4 Yr	10 Yr	TOTAL HRS	LABOR RATE	LABOR COST	Freq (in days)	Replacement Frequency (Years)	Annual Cost		
BAK-12	LUBRICATION SCHEDULE	FAIRLEAD AND RUNWAY COMPONENT INSPECTION	Pendant (Arresting Cable)	\$75.00	\$0.00													365	1	\$75.00		
			Sheave, Deflector (3.5 yr bearing repack)	\$150.00	\$0.00													1277.5	3.5	\$42.86		
			Sheave, Fairlead	\$0.00	\$0.00													365	1	\$0.00		
			Sheave, Fairlead Lead-On	\$0.00	\$0.00													365	1	\$0.00		
			Sheave, Runway Edge (3.5 yr bearing repack)	\$225.00	\$0.00													1277.5	3.5	\$64.29		
		ENERGY ABSORBER INSPECTION	Cam Gear Reducer (all gear boxes/fluid couplings, semi-annual)	\$117.26	\$0.00													182.5	0.5	\$234.52		
			Carrier Assembly	\$0.00	\$0.00													365	1	\$0.00		
			Control Valve Linkage	\$0.00	\$0.00													365	1	\$0.00		
			Drive Chains (10w oil, all components)	\$16.50	\$0.00													182.5	0.5	\$33.00		
			Fluid Coupling	\$0.00	\$0.00													365	1	\$0.00		
			Phenolic Pads	\$0.00	\$0.00													365	1	\$0.00		
			Rewind Gear Reducer	\$0.00	\$0.00													365	1	\$0.00		
			Sheave, Engine Base (3.5 yr bearing repack)	\$75.00	\$0.00	361.77	63.35	30.94	8.73	7.97	2.00	0.66	1.00	3.60	480.013	\$66.22	\$31,786.46	1277.5	3.5	\$21.43		
			Sprockets	\$0.00	\$0.00													365	1	\$0.00		
			Swivel Joint	\$0.00	\$0.00													365	1	\$0.00		
			Tachometer Drive Unit	\$0.00	\$0.00													365	1	\$0.00		
			Tachometer Drive Pillow Block	\$0.00	\$0.00													365	1	\$0.00		
			Tensioner, Synch Chain	\$0.00	\$0.00													365	1	\$0.00		
			Tensioner, Rewind	\$0.00	\$0.00													365	1	\$0.00		
			Synch, Right Angle Drive	\$0.00	\$0.00													365	1	\$0.00		
			Synchronizer Sprockets, Chain and Idler Sprocket	\$0.00	\$0.00													365	1	\$0.00		
			Pillow Block Bearings	\$0.00	\$0.00													365	1	\$0.00		
		REWIND ENGINE INSPECTION	Wisconsin Engine (Semi-annual)	\$45.30	\$0.00													182.5	0.5	\$90.60		
			Deutz Engine (Annual)	\$115.25	\$0.00													365	1	\$115.25		
			Overcenter Clutch	\$0.00	\$0.00													365	1	\$0.00		
		MX	PREVENTIVE MX SCHED	Pendant (Arresting Cable) 303 FT	\$0.00	\$8,710.65	-	-	-	-	-	-	-	-	-	-	0	-	-	1095	3	\$2,903.55
				Crop End of Tape	\$0.00	\$20.00	-	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$40.00
	Turn Tape End-for-End			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Synchronize Units and Proof Test Hydraulic Sys			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Perform Functional Check Out			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Clean Entire Equipment			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Replace Tape			\$0.00	\$14,279.52	-	-	-	-	-	-	-	-	-	-	0	-	-	1460	4	\$3,569.88	
	Change Rewind Engine Oil Filter			\$0.00	\$5.73	-	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$11.46	
	Clean Rewind Engine Air Filter			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Bleed Brakes			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Bleed Clutch			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Bleed Max Brake Pressure Guage			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Drain Rewind Engine Exhaust Moisture Trap			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Anchor Inspection			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	Mx Records			\$0.00	\$0.00	-	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$0.00	
	OTHER (Minor Mx)			MX Purchases (PER YEAR)	Support Disks (200)	\$0.00	\$2,984.00	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$2,984.00
					Pendant tie-downs (3/8 IN rope)	\$0.00	\$122.19	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$122.19
		tape connector (1 ea)	\$0.00		\$1,136.52	-	-	-	-	-	-	-	-	-	0	-	-	182.5	0.5	\$2,273.04		
		spray paint (12 cans)	\$0.00		\$86.39	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$86.39		
		4 tubes of grease	\$0.00		\$148.60	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$148.60		
		tape brush	\$0.00	\$54.05	-	-	-	-	-	-	-	-	-	0	-	-	365	1	\$54.05			
		DEPOT LEVEL OVERHAUL	2 Absorbers + 2 Fairlead Beams	\$250,000.00	\$0.00	-	-	-	-	-	-	-	-	-	0	-	-	3,650	10	\$25,000.00		

Annual Labor Cost	\$31,786.46
Annual Consumables Cost	\$37,870.10
SUC	\$69,656.56

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