

Catapult Materials List for the Electrical Release Model

1/5/09

(Additional parts for Electric Release Model)

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Item Description	Req'd Per Catapult	Supplier	Supplier Stock #	Price	Cost per Catapult	Notes	Order Quantity per XXX Catapults
9 Volt Alkaline Battery	2	Medic Batteries	PC1604	\$80.00/72 case	\$2.25	Check with Alysia for better supplier and price	
Solenoid	1	Guardian Electric	28-C-12VDC	\$10.00	\$10.00	Currently available from Surplus Center Item 11-3186 at \$2.69 each	
Quick Disconnect Terminals, .187" (3/16) female	2	All Electronics	1150	\$4.50/100	\$0.10		
Switch	1	All Electronics	MPB-1	\$30/100	\$0.40	Also Jameco 26623 \$0.60	
Battery Terminal Connectors	2	Jameco	109154	\$15.00/100	\$0.30	Also All Electronics BST-51 \$30/100	
Hookup Wire #22 Black	6"	All Electronics	22BK-100	\$5.75/100'	\$0.03		
Solder, 60/40 Rosin Core	3"	All Electronics	SOL-064	\$14.40/lb	\$0.05		
Heat Shrink Tube 1/8" Black	2"	All Electronics	HSS-18B	\$15.00/100'	\$0.03		
Double Sided Tape	2"	Do It Best Hardware	787214312	\$4.79	\$0.14	36 pieces from one roll	
Bracket for switch 3/4 x 1 1/2 x .020"	1	MSC Industrial	0170699	\$153/2000'	\$0.01	Cut from Manual Release Strapping Roll	
Bracket for solenoid, 1 x 2 x .050"	1	Ryerson Steel		\$25.00/3x6 sheet	\$0.01	2300 from each 3x6' sheet	
Cotter Pin, 1/16x 3/4 "	1	MSC Industrial	67979369	2.00/100	\$0.02		
Self Tapping Screw #7 x .5"	2	MSC Industrial	87908331	\$4.31 / 100	\$0.09		
Base 4.75 x 13.5 x 15/32 " OSB	1	Local lumber yard		\$10.00/4x8 sheet	\$0.15	70 pieces cut from 4x8' sheet	