

WRAPS ROTOR PARTS LIST				
	ND = Digikey.com			
	others Servocity.com			
Mechanical				
Number	Part Number	Description	Price Each	Price
1	585444	4.5" Al Channel	\$5.99	\$5.99
6	545548	1/4"x.770" Set Screw Hub	\$4.99	\$29.94
1	545576	6mmx.770" Set Screw Hub	\$4.99	\$4.99
2	RHA32-26-36	36 Tooth Gear	\$3.96	\$7.92
2	RHA32-26-50	50 Tooth Gear	\$4.80	\$9.60
1	634060	1/4"x1.25" D-Shaft	\$1.09	\$1.09
2	555116	Al Clamping Motor Mount	\$6.99	\$13.98
1	625106	1/4" to 6mm Set Screw Shaft Coupler	\$4.99	\$4.99
1	634078	1/4"x3" D-Shaft	\$1.99	\$1.99
2	535130	1/4" Ball Bearing Quad Pillow Block	\$6.49	\$12.98
1	6031K16	3" Ball Bearing Turntable	\$4.95	\$4.95
1	638142	.5 RPM Gear Motor	\$24.99	\$24.99
1	638150	1RPM Gear Motor	\$24.99	\$24.99
1	632106	1/4" Socket Head Cap Screws (1 pak)	\$1.39	\$1.39
1	632110	3/8" Socket Head Cap Screws (1 pak)	\$1.79	\$1.79
1	Local Hardware	3" 3/4" Al Channel Trim	\$1.19	\$1.19
2	Local Hardware	1/8"x1" Al Spacer Drilled and Tapped	\$1.42	\$2.84
1	Local Hardware	3/4" PVC Tee	\$0.59	\$0.59
1	Local Hardware	3/4" PVC Coupling	\$0.52	\$0.52
1	Local Hardware	7" - 3/4" PCV Pipe Section	\$1.00	\$1.00
1	Local Hardware	1/4"x1" Screw and Nut	\$1.00	\$1.00
1	Local Hardware	1.5" PVC End Cap	\$1.56	\$1.56
1	Local Hardware	1.5" dia 6" Long PVC Pipe Section	\$2.00	\$2.00
3	Local Hardware	Thumb Screws	\$2.80	\$8.40
6	Local Hardware	1/4"x 3mm Pan Head Screws	\$0.25	\$1.50
2	Local Hardware	6-32 1/2" Studs	\$0.20	\$0.40
2	Local Hardware	Cable Tieback	\$0.25	\$0.50
1	377-1832-ND	4"x4"x4" Box	\$8.80	\$8.80
4	2209K-ND	1/4" 6-32 Hex Spacers	\$0.36	\$1.44

				\$183.32
Electronics				
2	CT2159-ND	10K Wirewound Pots	\$4.63	\$9.26
8	490-1775-1-ND	.1uF (SMD)	\$0.05	\$0.40
5	399-7995-1-ND	.01uF (SMD)	\$0.12	\$0.60
1	445-4010-1-ND	.33uF (SMD)	\$0.24	\$0.24
1	497-1200-1-ND	L78L33ACUTR 3.3 V Regulator (SMD)	\$0.53	\$0.53
8	FDU3N40TU-ND	FDU3N40TIU FET	\$0.65	\$5.20
8	P22ACT-ND	22 ohm Resistor	\$0.10	\$0.80
4	IR2104PBF-ND	IR2104 FET Controllers	\$2.68	\$10.72
4	1N914CT-ND	1N914 Diode	\$0.03	\$0.12
1	P1.0KACT-ND	1K Resistor (SMD)	\$0.10	\$0.10
1	67-1105-ND	Red LED	\$0.20	\$0.20
1	P330ACT-ND	330 ohm Resistor (SMD)	\$0.10	\$0.10
1	67-1112-ND	Green LED	\$0.55	\$0.55
1	EG1903_ND	SPDT Slide Switch	\$0.55	\$0.55
1	EG2350-ND	SPDT On/Off Toggle Switch	\$2.11	\$2.11
2	EG2389-ND	SPDT Momentary On/On Toggle Switch	\$2.70	\$5.40
1	SW403-ND	SPDT Momentary Push Button Switch	\$0.41	\$0.41
2	XBee Module	XB24-AWI-001-ND	\$19.00	\$38.00
2	10-pin Sockets for Xbee	S5751-10-ND	\$1.11	\$2.22
1	Xbee USB Adapter	32400	24.99	\$24.99
3	WM2000-ND	2- Pin Molex Female Housing	\$0.13	\$0.39
3	WM4300-ND	2-Pin Molex Male Right Andle Connector	\$0.20	\$0.60
4	WM2001-ND	3-Pin Molex Female Housing	\$0.19	\$0.76
20	WM1114-ND	Molex Connector Pins	\$0.21	\$4.20
3	WM4301-ND	3-Pin Molex Right Angle Male Connector	\$0.55	\$1.65
1	PIC16LF1827-I/P-ND	PIC16LF1827	\$1.94	\$1.94
1	A100207-ND	18-Pin Dip Socket	\$0.28	\$0.28
4	AE9986-ND	8-Pin Dip Socket	\$0.25	\$1.00
50	H220-ND	6-32 Hex Nuts	\$0.03	\$1.50
50	H356-ND	6-32 3/8" Pan Head Screws	\$0.03	\$1.50

parallax.com

1	Local Electronics Store	Lenghts of Hookup Wire	\$1.00	\$1.00
1	Local Electronics Store	Lenghts of Shrink Tubing	\$2.00	\$2.00
1		Custom PCB	\$30.00	\$30.00
				\$149.32
		Overall Total		\$332.64

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