

ROV Parts for Cornerstone Electronics & Robotics III (INCOMPLETE)

Updated 2/10/12

Part Description	Source	Part #	Unit Cost	Quantity	Total Cost	Notes:
Electronics:						
Relay Double Pole, Double Throw 10A 5-6V DC	Allied Electronics	235-2013	\$6.60	4	\$26.40	Purchased in quantities of 25
NTE Electronics #R25-11D10-5/6						
DPDT Center Off Momentary Switch Solder	Electronix Express	17TOGMOMDD8012A	\$1.80	1	\$1.80	
Competition Style Arcade Joystick	ABlackHorse.com	RA-Joystick-JS10	\$8.95	1	\$8.95	
25' - 24 AWG/4 Pair Category 5e Network Cable	Jameco	645722	\$3.74	1	\$3.74	Purchased in 100' Roll
25' - 16/3 Extension Cord	Home Depot	277-525	\$4.24	1	\$4.24	Purchased as 100' Cord
5" L x 4" W x 3" H Aluminum Enclosure	Jameco	11886	\$8.95	1	\$8.95	
Female Disconnect Terminals by Ideal	MSC	2651271	\$0.18	8	\$1.40	Purchased in quantities of 25
1/4" Stud Size Ring Terminal	MSC	02651065	\$0.20	2	\$0.40	Purchased in quantities of 25
Automotive Fuse Holders 20A - Fuse Type: AF	MSC	03078805	\$1.46	1	\$1.46	Also available at auto supply stores
Automotive - ATC Blade Type Fuses 10 Amp	MSC	74680513	\$0.66	3	\$1.98	Purchased in quantities of 5
0.10" (2.54mm) Non-Polarized Connector Housings	Jameco	100803	\$0.29	1	\$0.29	Purchased in quantities of 10
Female Crimp Pins for Connector Housing	Jameco	100766	\$0.15	4	\$0.60	Purchased in quantities of 100
3/16" Cable Clamp	Jameco	173729	\$0.06	1	\$0.06	Purchased in quantities of 100
Motors/Propellor:						
Mayfair Bilge Pump 500 GPH	Aftermarket Marine	IMBP01	\$14.95	3	\$44.85	
Traxxas #1583 Right Hand 4.0 mm Propellor	Tower Hobbies	1583	\$3.00	2	\$6.00	
Traxxas #1584 Left Hand 4.0 mm Propellor	Tower Hobbies	1583	\$3.00	1	\$3.00	
Body & Hardware:						
413-005 1/2" Side Outlet 90s (PVC Corners)	FlexPVC.com	413-005	\$1.12	8	\$8.96	
1/2" PVC Schedule 40 Pipe	Home Depot		\$1.72	2	\$3.44	
1/2" PVC Slip Slip Couplings	Home Depot	571-683	\$0.17	4	\$0.68	Purchased in quantities of 10
1/2" PVC Slip Slip Tee	Home Depot	366-923	\$0.23	8	\$1.80	Purchased in quantities of 10
1/2" PVC Slip Slip Elbow	Home Depot	571-697	\$0.17	6	\$1.02	Purchased in quantities of 10
4 in. UV-Resistant Cable Ties (1,000-Pack)	Home Depot	747-442	\$0.017	40	\$0.68	Purchased in quantities of 1000
8 in. UV-Resistant Cable Ties (1,000-Pack)	Home Depot	748726	\$0.02	25	\$0.50	Purchased in quantities of 1000
14 in. UV-Resistant Cable Ties (1,000-Pack)	Home Depot	295875	\$0.13	25	\$3.25	Purchased in quantities of 1000
1/4-20 x 3" Stainless Steel Machine Screws	MSC	67572768	\$0.85	4	\$3.40	Purchased in quantities of 100
1/4-20 Stainless Steel Nuts	MSC	87925608	\$0.07	4	\$0.28	Purchased in quantities of 100
1/4-20 Stainless Steel Wing Nuts	MSC	67581447	\$0.82	4	\$3.28	Purchased in quantities of 100
1/4" x 1 1/2" Fender Stainless Steel Washers	McMaster Carr	90313A109	\$0.36	20	\$7.20	Purchased in quantities of 25
#8-32 x 3/4" Stainless Steel Machine Screw	MSC	67571604	\$0.101	4	\$0.40	Purchased in quantities of 100
#8-32 Stainless Steel Washer	MSC	87925335	\$0.021	4	\$0.08	Purchased in quantities of 100
#8-32 Stainless Steel Nut	MSC	87925541	\$0.057	4	\$0.23	Purchased in quantities of 100
1/4" ID - 1/2" OD Rubber Grommet	MSC	82828535	\$0.10	1	\$0.10	Purchased in quantities of 100
Industrial Thermo Polymers "Water Noodle"	Pinch-A-Penny	15820350	\$1.99	0.5	\$1.00	
Total:					\$150.43	Costs exclude shipping & sales tax

Source List:

Vendor Name	Website	Telephone
ABlackHorse.com	ABlackHorse.com	800-805-9729
Aftermarket Marine	amarket.com	800-349-2628
FlexPVC.com	flexpvc.com	352-620-8080
Home Depot	homedepot.com	-
Jameco	jameco.com	800-831-4242
McMaster Carr	mcmaster.com	630-600-3600
MSC Industrial Supply Co,	mscdirect.com	800-645-7270
Pinch-A-Penny	pinchappenny.com	-
Tower Hobbies	towerhobbies.com	800-637-6050