

Throttle - Bill of Materials						
BoM Level	Part #	Description	Qty	Units	Unit Cost	Cost
		<b>Throttle Lever Mechanism</b>				
2	LB8IN	8in. L Bracket	2	1	\$4.25	\$8.49
1	NEMA23	NEMA 23 Stepper Motor	1	1	\$19.65	\$19.65
1	CS1	3D Printed Custom Spool	1	1	\$8.99	\$8.99
2	SEP1	Support for Encoder	1	1	\$4.99	\$4.99
2	CB4IN	4 in. Corner Bracket	1	2	\$13.96	\$13.96
1	KY040	Rotary Encoder	1	3	\$2.66	\$7.99
4	B18.6.7M	M6 x 1.0 x 10 Indented HHMS --10N	2	6	\$0.58	\$3.48
4	B18.6.7M	M6 x 1.0 x 20 Indented HHMS --20N	1	8	\$0.50	\$0.50
4	B18.6.7M	M2 x 0.4 x 8 Type I Cross Recessed PHMS --8N	2	10	\$0.54	\$5.37
4	B18.3.4M	4 x 0.7 x 12 SBHCS --N	2	4	\$0.44	\$1.75
4	B18.22M	Plain washer, 2 mm, narrow	2	25	\$0.16	\$3.94
4	B18.22M	Plain washer, 4 mm, narrow	3	25	\$0.16	\$3.94
4	B18.2.4.1M	Hex nut, Style 1, M5 x 0.8 --D-N	2	2	\$1.88	\$3.75
4	B18.2.4.1M	Hex nut, Style 1, M2 x 0.4 --D-N	2	10	\$0.47	\$4.71
4	B18.2.4.5M	Hex jam nut, M8 x 1.25 --D-N	2	4	\$0.88	\$3.50
4	B18.2.4.5M	Hex jam nut, M6 x 1 --D-N	1	4	\$0.56	\$2.25
		<b>Throttle Pedal Mechanism</b>				
1	KY040	Rotary Encoder	1	3	\$2.66	\$7.99
1	EC1	(3D Printed) Encoder Mount	1	1	\$11.99	\$11.99
2	LB2IN	2 in. Zinc-Plated Double-Wide Corner Brace	1	2	\$1.69	\$3.37
3	B18.22M	Plain washer, 4 mm, narrow	3	25	\$0.16	\$3.94
3	B18.2.4.1M	Hex nut, Style 1, M4 x 0.7 --D-N	2	2	\$0.50	\$1.00
3	B18.3.1M	4 x 0.7 x 16 Hex SHCS --16NHX	2	1	\$2.25	\$2.25
		<b>Remaining Electrical Components</b>				
1	DM1	DM556 Motor Driver	1	1	\$29.99	\$29.99
1	NANO	Arduino Nano Microcontroller	1	2	\$3.50	\$6.99
2	BRB1	Breadboard	1	1	\$2.90	\$2.90
3	EW0	Wiring (15ft. Roll)	1	1	\$10.99	\$10.99
3	ETR0	Electrical Tape (60ft. Roll)	1	1	\$0.93	\$0.93
2	FUS-7A	Safety Fuse	1	1	\$6.95	\$6.95
1	24VPS	24V Power Supply	1	1	\$69.99	\$69.99
Total Number of Parts			43	Total Cost		\$256.54

