

Motor Alternative

Number	Description	B9 Part #	Dimensions	Weight	Vendor	Vendor Part #	Unit Cost	Quantity Needed	Unit	Price	
1	Adhesive, PermaBond, Black magic 737	B9- BWM- X0004	1 oz.		Curell	EC0460	\$ 0.16	1	(1) one oz. tube @ 16.12	\$ 0.16	
2	Socket, Cigarette, Inline, plastic	B9- BWM- X0006			DIGI- KEY	2A2010-ND	\$ 0.02	1	pk of 100 min 1.55	\$ 0.02	
3	Holder, led, Panel, Black nylon	B9- BWM- G0001	5mm.		DIGI- KEY	67- 1332- ND	\$ 0.27	1	pk of 1000 min .27	\$ 0.27	
4	Motor Connection wire	B9- BWM- X0025	20 AWG, 100 Feet		DIGI- KEY	C2040R- 100- ND	\$ 0.24	1.25	100 ft. min 24.36	\$ 0.30	
5	GENERATOR BOX	B9- BWM- G0002			HARBEK	A694	\$ 0.06	1	pk of 100 min 5.75	\$ 0.06	
6	GENERATOR COVER, no holes, right side	B9- BWM- G0003			HARBEK	A695 B	\$ 0.05	1	pk of 100 min 4.72	\$ 0.05	
7	GENERATOR COVER, with holes, left side	B9- BWM- G0004			HARBEK	A695 A	\$ 0.05	1	pk of 100 min 4.72	\$ 0.05	
8	LARGE GEAR	B9- BWM- G0005			HARBEK	A614	\$ 0.05	1	pk of 100 min 5.25	\$ 0.05	
9	GENERATOR HANDLE (modified A 615)	B9- BWM- G0006			HARBEK	F-015	\$ 0.06	2	pk of 100 min 5.88	\$ 0.12	
10	GEAR SLEEVE	B9- BWM- G0007			HARBEK	A736	\$ 0.03	1	pk of 100 min 3.18	\$ 0.03	
11	Pal, Black	B9- BWM- G0008	0.07" Thick		Kaplan	F-016	\$ 2.69	1		\$ 2.69	
12	PVC pipe (modified of part 23971)	B9- BWM- G0009	3/4" SCH. 40 X 10'		LOWES	F-017	\$ 0.02	4	2.18 per 10ft	\$ 0.07	
13	Encore Plastics 5 gal. Snap on Lid	B9- BWM- G0010	5 Gal		LOWES	276477	\$ 1.97	1		\$ 1.97	
15	SHCS, steel	B9- BWM- G0012	8-32 X1 ^{1/2}		McMaster- Carr	91251A183	\$ 4.00	1	pk of 25 min 8.51	\$ 0.34	
16	Nylon Insert hex Lock Nut, Zinc Plated	B9- BWM- G0013	8- 32 Nylock Nut		McMaster- Carr	90631A009	\$ 0.34	4	pk of 100 min2.35	\$ 0.09	
17	SHCS, steel	B9- BWM- G0014	8-32 X 2 1/2		McMaster- Carr	91251A207	\$ 0.02	4	pk of 25 min 9.62	\$ 1.54	
18	SHCS, steel	B9- BWM- G0015	M3 thread, 10mm long X, 0.5mm		McMaster- Carr	91290A115	\$ 0.38	8	pk of 100 min 4.65	\$ 0.37	
19	Flat washer, steel, zinc plated	B9- BWM- G0016	M3, 7mm OD x,0.45- 0.55mm thick		McMaster- Carr	91166A210	\$ 0.05	9	pk of 100 min 1.55	\$ 0.14	
20	Lock washer, steel, zinc plated	B9- BWM- G0017	M3, 5.6mm OD x,0.9mm thick		McMaster- Carr	91190S10	\$ 0.02	8	pk 100 min 2.17	\$ 0.17	
21	DIRECTIONAL ARROW	B9- BWM- G0018	1 ^{1/8} " x 7"		McMaster- Carr	16055T231	\$ 0.02	1	pk of 20 min. 9.82	\$ 0.49	
22	Plastic Loop Clamp	B9- BWM- G0019	3/16" X 3/4, 3/8 wide, 3/64 thick		McMaster- Carr	8876735	\$ 0.49	1	pk of 100 min 5.40	\$ 0.05	
23	Triangular Shank Phillips Pan heat screw, zinc plated	B9- BWM- G0020	1/4" long x 4-20 Thread		McMaster- Carr	90380A106	\$ 0.05	3	pk of 100 min 6.50	\$ 0.20	
24	Triangular Shank Phillips Pan heat screw, zinc plated	B9- BWM- G0021	3/8" long x 4-20 Thread		McMaster- Carr	90380A108	\$ 0.07	1	pk of 100 min 6.80	\$ 0.07	
25	Square Nut, Zinc Plated	B9- BWM- G0022	8- 32 square Nut, 11/32 x 1/8		McMaster- Carr	94855A216	\$ 0.07	1	pk of 100 min 2.08	\$ 0.02	
26	Dow 748, silicone Sealer	B9- BWM- X0002	3 oz. Tube		McMaster- Carr	74915A654	\$ 0.02	1	10.15 of 100	\$ 0.10	
27	Generator Control Board	B9- BWM- G0023			Polyfusion	NEED NUMBER	\$ 0.10	1		\$ 27.00	
28	Black 2 conductor cord	B9- BWM- X0003	18 AWG, 2 cond		SIMCONA	F-006	\$ 27.00	3.5 Feet	min. 500 ft., 75/ft	\$ 0.01	
29	Pinion wire stock (modified out of part A1C 9-N32008, 22 per foot)	B9- BWM- G0024	32 pitch, 8 teeth, 14.5" Press angle, 0.313" OD		Stock Drives	F-018	\$ 0.00	4	36 per 6 ft	\$ 1.04	
30	GREASE	B9- BWM- G0025	500 grams, 17.64 oz.		TAI Lubricants	RYEOLUBE 362 HM	\$ 0.23	1	1lb jar @ 23.00	\$ 0.23	
31	Motor, Brushless	B9- BWM- XXXXX	4000rpm, 120g*cm, 5W, .15kg, 12v		Leson	36BL	\$ 10.00	4	10 for 1 motor	\$ 40.00	
										Total Generator Cost	\$ 77.70
Seating Materials											
33	Additional plastic for mfg of pedals or procure pedals	B9- BWM- XXXXX						4 ft	3.37 per 8 ft	\$ 1.68	
34	Wood, Pine	B9- BWM- XXXXX	2X4		Home Depot		\$ 1.68	14	9.37 per 186	\$ 0.05	
35	Wood Screws	B9- BWM- XXXXX			Home Depot		\$ 0.05	18"	4.68 per 36"	\$ 2.34	
36	Wooden Dowel	B9- BWM- XXXXX	1" Diameter		Home Depot		\$ 2.34	36"	5.57 per 36"	\$ 5.57	
37	Metal Square Tubing	B9- BWM- XXXXX	1/16" Aluminium				\$ 5.57		Total Seat cost	\$ 9.64	
										Total cost	\$ 87.34