

Sheet1

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	Wire	From	To	
1	Long Black	Negative rail	Negative rail	
2	Long Red	Positive rail	Positive rail	
3	Short black	Negative rail	30-a	
4	Short black	Negative rail	30-j	
5	Short black	Negative rail	20-a	
6	Short black	Negative rail	19-j	
7	Short red	Positive rail	19-b	
8	Short green	12-e	12-f	
9	Short green	9-e	9-f	
10	Short green	6-e	6-f	
11	Short green	2-e	2-f	
12	Short green	12-i	9-i	
13	Short green	9-h	6-i	
14	1.5K Ohm Resistor	2-j	Negative rail	
15	120 Ohm Resistor	9-j	Negative rail	
16	10cm Jumper Wire	25-d	1-h	
17	10cm Jumper Wire	24-a	1-a	
18	Blue LED Short		2-d	
	Blue LED Long		1-e	
19	Red LED Short		2-g	
	Red LED Long		1-f	
20	Battery wire red	Positive rail		Double check!!!
21	Battery wire black	Negative rail		Test!
22	Remove battery pack			
23	10cm Jumper Wire	24-g	11-j	
24	10cm Jumper Wire	23-h	8-j	
25	10cm Jumper Wire	22-i	5-j	
26	10cm Jumper Wire	26-h	7-a	
27	10cm Jumper Wire	26-a	11-a	
28	10cm Jumper Wire	22-a	8-a	
29	10cm Jumper Wire	21-a	5-a	
30	4.7K Ohm Resistor	19-c	13-c	
31	Green LED Short	9-d		
	Green LED Long	7-e		
32	Green LED Short	12-a		
	Green LED Long	11-b		
33	Green LED Short	9-a		
	Green LED Long	8-b		
34	Green LED Short	6-a		
	Green LED Long	5-b		
35	Green LED Short	12-g		
	Green LED Long	11-f		
36	Green LED Short	9-g		
	Green LED Long	8-f		
37	Green LED Short	6-g		
	Green LED Long	5-f		Test!
38	Battery wire red	Positive rail		Double check!!!
39	Battery wire black	Negative rail		Test!

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40	Remove battery pack			
41	10cm Jumper Wire	28-f	17-d	
42	10cm Jumper Wire	28-e	16-d	
43	Disk Capacitor	Negative rail	Positive rail	Near the short red wire
44	Electrolytic Capacitor	Negative rail	Positive rail	Put the – lead into the Negative rail
45	Switch	28-b	30-b	
46	Switch	28-g	30-g	
47	Battery wire red	Positive rail		Double check!!!
48	Battery wire black	Negative rail		