

P11001 Balance Training Bike

Bill of Materials

	Part Name	Part Type	Manufacturer	Manufacturer Part #	Distributor	Distributor Part #	Quantity Needed	Unit Price	Additional Costs	Shipping Cost	Total Price	Lead Time (days)	Owner	Status	Comments
Display	Arduino Mega2560	Microcontoller	Arduino	A000047	Mouser	782-A000047	0	\$63.76	\$0.00	\$0.00	\$ -	0	Grant	Arrived	Donated
	Rieker H4A1-30	Inclinometer	Rieker	H4A1-30			0	\$189.00	\$0.00	\$0.00	\$ -	0	Grant	Arrived	Previous Iteration
	Lumex LDD-A814RI	Seven Segment Display	Lumex	LDD-A814RI	Mouser	696-LDD-A814RI	2	\$3.29	\$0.00	\$11.12	\$ 17.70	4	Grant	Arrived	
	Texas Instruments CD4514BM96E4	Demultiplexer	Texas Instruments	CD4514BM96E4	Mouser	595-CD4514BM96E4	2	\$0.58	\$0.00	\$0.00	\$ 1.16	4	Grant	Arrived	
	Lumex SSL-LX100133YD	Red LED	Lumex	SSL-LX100133YD	Mouser	696-SSL-LX100133YD	8	\$0.14	\$0.00	\$6.40	\$ 7.52	4	Grant	Not yet ordered	
	Lumex SSL-LX100133SYD	Yellow LED	Lumex	SSL-LX100133SYD	Mouser	696-SSLLX100133SYD	8	\$0.12	\$0.00	\$0.00	\$ 0.96	4	Grant	Not yet ordered	
	Lumex SSL-LX100133SGC	Green LED	Lumex	SSL-LX100133SGC	Mouser	696-SSLLX100133SGC	14	\$0.15	\$0.00	\$0.00	\$ 2.10	4	Grant	Not yet ordered	
	LED Resistor (1k)	LED Resistor					24	\$0.00	\$0.00	\$0.00	\$ -	0	Grant	Arrived	Donated
	PC Board	PC Board	Express PCB		Express PCB		1	\$51.00	\$0.00	\$0.00	\$ 51.00	7	Grant	Not Yet ordered	
	9.6V 2000 mA-h	Battery Pack	Tenergy Corp		AllBattery.com		1	\$32.99	\$0.00	\$10.45	\$ 43.44	4	Grant	Arrived	
		Switches			Mouser		2	\$0.75	\$0.00	\$0.00	\$ 1.50	4	Grant	Not yet ordered	
	Reset Button	Push Button					1	\$4.40	\$0.00	\$0.00	\$ 4.40				
	Potentiometer Cap	Audio Control			Mouser		1	\$0.64	\$0.00	\$0.00	\$ 0.64	4			
	Potentiometer	Audio Control			Mouser		1	\$1.43	\$0.00	\$0.00	\$ 1.43	4	Grant	Not yet ordered	
Proj Box 7x5x3	Box	Radio Shack		Radio Shack	2701807	1	\$5.99	\$0.48	\$0.00	\$ 6.47	0	Grant			
8' HD Speaker Ext. Cable	Cable	Radio Shack		Radio Shack	4202492	1	\$7.99	\$0.00	\$0.00	\$ 7.99	0	Sciarrino			
Buzzer	Buzzer			Mouser		2	3.92	\$0.00	0	\$ 7.84	4	Grant	Not yet ordered		
Pedal Resistance	Magnetic Pedal	Magnetic Pedals	Isokinetics		Isokinetics Inc.		1	\$89.99	\$0.00	\$19.99	\$ 109.98	5	Benesh	Arrived	
	3/8" {A} x 1-1/2" {B}	Steel Plate	N/A		Speedy Metal	3f.375x1.5-36	1	\$62.15	\$0.00	\$18.19	\$ 80.34	4	Benesh		
	Hexhead bolt 3/8-16-1/2 Grade 5	Bolt	N/A		Lowe's	135840	2	\$1.46	\$0.00	\$0.00	\$ 2.92	0	Benesh		
	wing nut - 3/8"-16 Gr5	Nut	N/A		Lowe's	135811	4	\$0.97	\$0.00	\$0.00	\$ 3.88	0	Benesh		
	Flatwashers 3/8" Gr5	Washer	N/A		Lowe's	1355771	1	\$1.09	\$0.00	\$0.00	\$ 1.09	0	Benesh		
	Metric Hex Nut 12mm	Nut			Lowe's	138458	3	\$0.80	\$0.00	\$0.00	\$ 2.40	0	Benesh/Sciarrino		
	M12-1.75x70 Hex Cap Screw	Screw			Lowe's	214553	6	\$2.27	\$0.00	\$0.00	\$ 13.62	0	Benesh/Sciarrino		
Tilt Mechanism	Manitou Metel RP Coil Shock	Spring Dampener	Manitou		Chain Reaction Shocks	219333	2	\$113.26	\$0.00	\$8.04	\$ 226.52	4	Sciarrino		
	1-1/2" SQ {A} x 1.124" ID {B} x .188" Wall {C}	Sq. Tube 304 Stainless Steel	N/A		Speedy Metal	t4s1.5x.180-48	1	\$82.23	\$0.00	\$0.00	\$ 82.23	4	Sciarrino		Shipping included in previous parts
	1-1/2" {A} 12" Rod	2024-T3 Aluminum	N/A		Speedy Metal	24r1.5-12	1	\$14.68	\$0.00	\$0.00	\$ 14.68	4	Sciarrino		Shipping included in previous parts
	Extension Sliders	Steel Pipe			Rochester Surplus Steel		1	\$24.00	\$0.00	\$0.00	\$24.00	0	Benesh/Sciarrino		Went into Spare Parts
	Extender Sliders cont.	Steel Pipe			RIT		1	\$0.00	\$0.00	\$0.00	\$ -		Benesh/Sciarrino		Donated
	Metel RP Springs	Springs	Manitou				2	\$17.40	\$0.00	\$12.69	\$ 47.49	5	Sciarrino		
	Rubbermaid Bisq Step Stool	Guards	Rubbermaid	4200-87	True Value		2	\$12.50	\$0.00	\$0.00	\$ 25.00	1			
							Totals				\$ 763.30				