

<u>Qty</u>	<u>Description</u>	<u>Comments</u>
1	Pocket Etch-a-sketch	Walmart or Amazon.com
2	5V stepper motor + stepper motor driver board (yourduino #RP-030310)	www.yourduino.com or google for: "28by3j-48 5vdc"
1	arduino board (Uno, Leonardo, etc.)	www.adafruit.com or amazon.com, etc.
1	S3003 Futaba servo or equivalent	www.servocity.com or amazon.com, etc.
1	5VDC power supply (1 amp or greater) Adafruit #276 or similar	www.adafruit.com or amazon.com, etc.
1	2.1 mm DC barrel Jack Adafruit # 373 or smiliar	www.adafruit.com or amazon.com, etc.
1	hookup wire & ribbon cable (4 cond.)	www.adafruit.com or amazon.com, etc.
2	male header 4 pins (signal to stepper board)	www.adafruit.com or amazon.com, etc.
1	male header 3 pins (for servo motor)	www.adafruit.com or amazon.com, etc.
2	female header 4 pins (signal to stepper board)	www.adafruit.com or amazon.com, etc.
2	female header 2 pins (power to stepper board)	www.adafruit.com or amazon.com, etc.
1	nylon bushing 3/8 ID x 1 OD X 3/8" thk	Hardware store
4	6-32 machine screw 2.5 inches lg.	Hardware store
1	6-32 machine screw 1.5 inches lg.	Hardware store
1	6-32 machine screw 4 inches lg.	Hardware store
16	6-32 hex nut	Hardware store
10	6-32 flat washer	Hardware store
16	6-32 lock washer	Hardware store
2	1/8 fender washer	Hardware store
2	3/8 carriage bolt 6 inches lg	Hardware store
6	3/8-16 hex nut	Hardware store or TSC
6	3/8 washer	Hardware store or TSC
4	rubber feet, must be taller than the head of the 3/8 carriage bolts	Hardware store
3	#2 screws 3/8" lg	Hobby Shop
1	1" hex nut (used for c'weight)	Hardware store or TSC
3	3/4 inch square wood blocks	craft store
1	1 inch square wood block	craft store
2	vinyl tubing 0.25 OD X 0.17" ID x 20 mm lg.	Hardware store
1	1/2" thk plywood about 1 SQ. Ft.	Home Depot
1	1/8" thk plywood about 1/2 SQ. Ft.	craft store
1	expoy glue	craft or hardware store
1	wood glue	craft or hardware store
1	solder	www.adafruit.com or amazon.com, etc.
1	super glue	craft or hardware store
1	double stick foam tape 2" long	craft or hardware store
1	hot glue	craft or hardware store