

## Required Supplies

### SparkFun Electronics ([www.sparkfun.com](http://www.sparkfun.com))

1x	Arduino USB board	DEV-00666	34.95
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### Jameco ([www.jameco.com](http://www.jameco.com))

1x	USB cable A to B	222018	1.89
1x	breadboard	20723	9.85
1x	Plastic fliptop case	100256	2.25
1x	Potentiometer, 10k $\Omega$	264411	1.35
2x	TIP120 NPN transistor	32993PS	0.49 (ea.)
1x	Wall transformer 9VDC, 1A	421690	5.99
1x	Male header 40pin	160882	0.57
10x	Transistor NPN 2N2222	178511	1.30 (for 10)
1x	LM3915 dot bar display driver	24256	2.65
2x	555 timer IC	27422	0.29 (ea.)
2x	7805 voltage regulator IC	51262	0.35
1x	RCA jack	220581	0.53
1x	Capacitor 1000 $\mu$ F, 25V	93833PS	0.41
10x	Capacitor 0.001 $\mu$ F	15190	0.60 (for 10)
2x	Capacitor 220 $\mu$ F	93778PS	0.24 (ea.)
1x	Capacitor tantalum 2.2 $\mu$ F	94001PS	0.24
10x	LED, green T1 3/4	334086	0.77 (for 10)
1 bag	Resistor 470 $\Omega$	107538PS	0.99
1 bag	Resistor 1k $\Omega$	107562PS	0.99
1x	CD4017 decade counter IC	12751PS	0.59
1x	photocell	202391	1.49
1x	Snap action switch	188867	0.92
1x	Terminal block	215011	1.79
1x	Wire cutter	35482	5.59
1x	Soldering iron 25W	224611	8.35

Optional:

1x	Jumper wire kit	126360	4.45
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### Acroname ([www.acroname.com](http://www.acroname.com))

1x	SN754410 motor driver IC	R6-754410	5.00
1x	Standard servo	R276-S03N-SERVO	10.90

recommended:

- precision screwdriver set – Radioshack;



- box cutter
- hot glue gun

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### Kronus™ Assorted Precision Screwdriver Set

**\$5.99**

Model: 64-2970  
Catalog #: 64-2970

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