

Mad Dog Robot Part List		
QTY	ITEM	SOURCE
2	18 Volt Cordless Drill sku 66965	http://www.harborfreight.com/18-volt-cordless-drill-66965.html
1	12VDC Wiper Motor	http://monsterguts.com/index.php?act=viewProd&productId=4
1	FLEXIBLE ACTUATOR CABLE	All Electronics - FAC-1
1	Univerisal IR Remote Control	http://www.amazon.com/RCA-RCU300T-3-DEV-REMOTE-
1	1 1/2 inch pipe clamp	Home Depot or Hardware store or TSC
1	1/2-13 carriage bolt 6 " long	Home Depot or Hardware store or TSC
3	1/2-13 hex nut	Home Depot or Hardware store or TSC
1	1/2-13 rod coupling nut	Home Depot or Hardware store or TSC
1	10-24 rod coupling nut	Home Depot or Hardware store or TSC
5	10/24 nut	Home Depot or Hardware store or TSC
1	10-24 button head screws 1.5 " lg	Home Depot or Hardware store or TSC
4	10-24 button head screws 0.5 " lg	Home Depot or Hardware store or TSC
3	1/4-20 hex head bolt 2 " lg	Home Depot or Hardware store or TSC
1	1/4-20 hex head bolt 1 1/4 " lg	Home Depot or Hardware store or TSC
4	1/4-20 hex head bolt 1 " lg	Home Depot or Hardware store or TSC
2	1/4-20 nylock nuts	Home Depot or Hardware store or TSC
24	1/4-20 hex nuts	Home Depot or Hardware store or TSC
30	1/4 flat washers	Home Depot or Hardware store or TSC
10	3/8 flat washers	Home Depot or Hardware store or TSC
12	4-40 machine screws	Home Depot or Hardware store or TSC
12	4-40 hex nuts	Home Depot or Hardware store or TSC
20	4-40 flat washers	Home Depot or Hardware store or TSC
2	electrical junction box covers (4" by 4")	Home Depot or Hardware store or TSC
16	#4 sheet metal screws 1/2" lg	Home Depot or Hardware store or TSC
2	#6 sheet metal screws 1" lg	Home Depot or Hardware store or TSC
2	#6 sheet metal screws 1 1/2" lg	Home Depot or Hardware store or TSC
2	#8 wood screws 2" long	Home Depot or Hardware store or TSC
2	1/4 ID 3/8OD by 1/2 lg STEEL spacer	Home Depot or Hardware store or TSC
1	2/16 id 1/4 od 1/4 lg alum spacer	Home Depot or Hardware store or TSC
4	1/4-20 carriage bolt 4 " long	Home Depot or Hardware store or TSC
2	1/4-20 carriage bolt 3 " long	Home Depot or Hardware store or TSC
6	1/4-20 carriage bolt 2 1/2 " long	Home Depot or Hardware store or TSC
3	1/4-20 carriage bolt 1 1/2 long	Home Depot or Hardware store or TSC
4	1/4-20 carriage bolt 1 " long	Home Depot or Hardware store or TSC
1	1/2 thk plywood	2' by 2' handi-panel from Home Depot is enough
1	2 by 4 - good quality straight piece 14" long	Home Depot or Hardware store
1	3/4 by 1 1/2 hard wood 2 ft long	Home Depot or Hardware store
1	1/4 by 1 inch alum. bar stock 2 ft long	Home Depot or Hardware store or TSC
1	1/8 by 1/2 inch alum. bar stock 2 ft long	Home Depot or Hardware store or TSC
1	1/8 Id falnges nylon bushing	Home Depot or Hardware store or TSC
2	0.5 ID by 1.375 OD flange style Ball Bearing	Home Depot or Hardware store or TSC
2	O-ring 1 1/2 OD x 1 1/4 ID x 1/8 thk #34	Hardware store
2	mini clamp	Home Depot
1	Liberty 11 -3/4 inch self-closing drawer slides (2-pack)	http://www.homedepot.com/h_d1/N-5yc1v/R-202200633/h_d2/ProductDisplay?langId=-1&storeId=10051&catalogId=10053
1	pack of velcro	Radio Shack 64-2345 or similar
9	3/16 female crimp on quick disconnects	Home Depot or Hardware store
5	3/16 male crimp on quick disconnects	Home Depot or Hardware store
1	RUBBER PAD W/ ADHESIVE BACKING	All Electronics - FP-3
1	solid hook up wire 22 to 26 ga	Radio Shack or Electronics supply
2	stranded hook up wire 18 to 16 ga	Radio Shack or Electronics supply
1	TIP120 Darlington transistor	Radio Shack 276-2068 or All Electronics cat# TIP120 or similar
1	4.70MFD/50V RADIAL Capacitor	All Electronics - 4.70R50

6	1K OHM 1/4 WATT - Resistor	All Electronics - 291-1K (1K OHM 1/4 WATT - (291-1K))
2	4.7K OHM 1/4 WATT Resistor	All Electronics - 291-4.7K
2	10K OHM 1/4 WATT - Resistor	All Electronics - 291-10K (10K OHM 1/4 WATT - (291-10K))
1	330 ohm resistor 1/4 watt	All Electronics - 291-330
2	200 ohm resistor 1/4 watt	All Electronics - 291-200
4	RECT DIODE (1N4001))	All Electronics 1N4001
2	RECT DIODE (1N4007))	All Electronics 1N4007
3	TERMINAL BLOCK 5.08MM 2POS PC	ED1643-N Digikey
1	TERMINAL BLOCK 5.08MM 3POS PC	ED1644-N Digikey
1	SENSOR OPTO 14MM SLOT PCB TERM	OR1034-ND Digikey
1	IC IR RCVR MOD 38KHZ DOME AXIAL	751-1386-5-ND Digikey
3	HEAT SINK TO-220 .375" COMPACT	HS106-ND Digikey
2	MOSFET N-CH 100V 9.2A TO-220AB	IRL520PBF-ND Digikey
1	MOSFET N-CH 100V 28A TO-220AB	IRL540PBF-ND Digikey
1	18 pin DIP socket	http://www.phanderson.com/picaxe/index.html
1	PICAXE-18M2 IC	http://www.phanderson.com/picaxe/index.html
1	Kiwi Patch Board	http://www.phanderson.com/picaxe/index.html
1	Picaxe USB or RS-232 download cable	http://www.phanderson.com/picaxe/index.html
1	5 VDC RED LED	http://www.jrhackett.net/LEDs.shtml
2	Large Stripboard (4.35 inches X 3.65 inches)	http://www.jrhackett.net/stripboards.shtml
1	5 VDC Green LED	http://www.jrhackett.net/LEDs.shtml
1	DPDT 12 VDC Relay	Radio Shack 275-218 or similar
2	DPST Slide Switch 10 AMP	On-Off (DPST) 2 position Item# SWT1098 Bgmicro.com
3	SPDT Simulated Roller Microswitch	Item# SWT1119 Bgmicro.com
1	2-PIN CONNECTOR W/HEADER	All Electronics CON-242
3	8 PIN SIP SOCKET NOT SNAP	All Electronics SIP-8
1	Single row header	All Electronics SHS-40