

2006 ME 72 Kit List

October 24, 2006

# GIVEN	DESCRIPTION	LOCATION
2	extension spring, 1/4" OD x 29/16"	Bag A
2	extension spring, 7/16" OD x 1/4"	Bag A
1	compression spring, 5/16" OD x 3/4"	Bag A
2	spring clamp (single wrap) steel	Bag A
1	compression spring, 1/2" OD x 2"	Bag A
4	compression spring, 1/2" OD x 1-1/8"	Bag A
2	extension spring, 1/4" x 1/2"	Bag A
2	Compression spring, 1/4" OD x 1"	Bag A
2	torsion spring, 3/8"OD x 1/4"	Bag A
2	Torsion spring, doubled 1/4" OD	Bag A
4	1/4"-20 nut	Bag A
2	4-40 nut	Bag A
4	6-32 nut	Bag A
2	8-32 nut	Bag A
2	10-32 nut	Bag A
4	6-32 washer	Bag A
2	8-32 washer	Bag A
2	10-32 washer	Bag A
2	1/4"-20 washer	Bag A
2	4-40 x 3/4" round head machine screw	Bag A
2	6-32 x 3/8" machine screw	Bag A
2	6-32 x 3/4" machine screw	Bag A
2	8-32 x 3/4" machine screw	Bag A
2	10-32 x 3/4" round head machine screw	Bag A
2	10-32 x 1" black steel socket head screw	Bag A
2	1/4"-20 x 2" black steel socket head screw	Bag A
2	1/4"-20 x 2-3/4" black steel socket head screw	Bag A
1	plate with 8 holes	Bag A
2	O-ring, 3/16" x 3/4" OD rubber	Bag A
2	O-ring, 1/16" x 1" OD EPDM	Bag A
2	O-ring, 1/16" x 2" OD EPDM	Bag A
2	O-ring, 1/16" x 3" OD EPDM	Bag A
2	O-ring, 1/16" x 4" OD EPDM	Bag A
2	O-ring, 1/16" x 5" OD EPDM	Bag A
1	O-ring, 3/16" x 1" OD EPDM	Bag A
1	O-ring, 0.3" OD black	Bag A
1	O-ring, 0.8" OD black	Bag A
2	O-ring, 1" OD green	Bag A
1	O-ring, 1" OD yellow	Bag A
1	O-ring, 2.3" OD red	Bag A
2	grommet, black plastic	Bag A
2	compression spring, 1/2" OD x 3/4"	Bag A

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October 24, 2006

# GIVEN	DESCRIPTION	LOCATION
4	gear, 12 tooth, blue plastic	Bag B
2	gear, 36 tooth, black plastic	Bag B
2	gear, 48 tooth, black plastic	Bag B
2	gear, 64 tooth, black plastic	Bag B
4	gear, 24(+3) tooth, white plastic	Bag B
6	gear, 28(+9) tooth, white plastic	Bag B
4	gear, 9 tooth, white plastic	Bag B
2	gear, 38(+11) tooth, white plastic	Bag B
2	gear, 14 tooth, white plastic	Bag B
2	gear, 15 tooth, white plastic	Bag B
1	gear, 35(+10) tooth, white plastic	Bag B
1	turbine, 20 blade, black plastic	Bag B
2	bushing w/ flange, 1/4" ID, black plastic	Bag B
2	bushing, 3/8" OD x 3/8" oil impregnated bronze	Bag B
2	Gray plastic ring	Bag B
2	Brass tube	Bag B
2	steel shaft, 1.5"	Bag B
2	ball, 9/32" steel	Bag B
3	tongue depressor	Bag B
1	2" aluminum ring	Bag B
1	1.5" brass internal gear	Bag B
1	Copper U-bend	Bag B
2	Black plastic strip	Bag B
1	Tan plastic cable clamp	Bag B
2	rectangle magnet	Bag B
2	magnet, 1-1/8" OD disk	Bag B
1	3/4" OD magnet	Bag B
1	expanding tack, plastic	Bag B
4	yoke, white nylon	Bag B
1	nozzle, plastic	Bag B
5	paper clip, large	Bag B
1	1" OD washer	Bag B
4	.060" ODx1.5" drive shaft	Bag B
1	copper clad circuit board	Bag B
1	strip w/ holes	Bag B
1	circuit board, square	Bag B

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October 24, 2006

# GIVEN	DESCRIPTION	LOCATION
4	ball bearing w/ flange, 3/16" ID x 1/2" OD x 3/16"	Bag C
2	thimble, white plastic	Bag C
8	rubber band, #32	Bag C
1	Cable clamp	Bag C
1	White plastic disc	Bag C
1	steel clip	Bag C
1	pulley w/slot, aluminum	Bag C
1	7/16 x 1" washer	Bag C
2	spool w/ knurls, aluminum	Bag C
1	pulley, 1" OD, steel	Bag C
2	Red masonite threaded standoff	Bag C
1	Black plastic foot	Bag C
1	tapered standoff, 5/16" - 7/16" OD x 1/8" ID x 1-1/8", black plastic	Bag C
1	threaded standoff, 1/2" OD x 1-1/8" with 8-32 thread, Steel	Bag C
2	steel standoff, 1/2" OD x 1-1/8" with 8-32 thread	Bag C
1	rivet, 3/16" x 1-1/2", steel	Bag C
2	Copper plate with holes	Bag C
4	red LED	Bag C
2	5-5.1 Ohm resistor	Bag C
2	10 Ohm resistor	Bag C
4	capacitor	Bag C
1	bronze square tube	Bag C
1	shaft w/ 2 knurls, 3/16" OD steel	Bag C
5	index card, 4" x 6"	Bag C
4	plastic strip, red	Bag C
4	ball bearing w/ flange, 1/4" ID x 5/8" OD x 3/16"	Bag C

2006 ME 72 Kit List

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# GIVEN	DESCRIPTION	LOCATION
1	aluminum L, 18" x 3/4" x 1/8" thick	Bench top
1	aluminum L, 18" x 1" x 1/8" thick	Bench top
1	aluminum Sheet, 1/32" x 6" x 12"	Bench top
1	aluminum sheet, 1/8" x 2" x 12"	Bench top
1	aluminum sheet, 1/8" x 5" x 12"	Bench top
1	heat shrink tubing, 1-1/4" OD x 6" black	Bench top
1	heat shrink tubing, 1/2" OD x 6" black	Bench top
1	heat shrink tubing, 3/8" OD x 6" black	Bench top
1	heat shrink tubing, 1/4" OD x 6" black	Bench top
1	heat shrink tubing, 1/8" OD x 6" black	Bench top
1	heat shrink tubing, 3/32" OD x 6" black	Bench top
1	Tygon tubing, 3/16" ID x 8"	Bench top
1	Tygon tubing, 1/4" ID x 24"	Bench top
1	Tygon tubing, 1/2" ID x 12"	Bench top
1	polyethylene tubing, 5/16" x 5"	Bench top
	polyethylene tubing, 3/8" x 36"	Bench top
1	brass rod, 1/4" OD x 12"	Bench top
1	brass tube, 3/8" OD x 1/4" ID x 6"	Bench top
2	brass tubing, 3/16" OD x 12"	Bench top
2	brass tubing, 7/32" OD x 12"	Bench top
2	brass tubing, 1/4" OD x 12"	Bench top
2	brass tubing, 9/32" OD x 12"	Bench top
1	particle board, 1/4" x 12" x 12"	Bench top
1	mylar sheet, 18" x 30"	Bench top
1	8 AA cell battery holder	Bench top
40	AA batteries	Bench top
1	Cat 5 cable, 3.5ft, gray	Bench top
1	8 conductor Cat 5 cable, 3.5ft, yellow terminated ethernet jack	Bench top
1	4 conductor phone cable, 3.5ft, white terminated handset jack	Bench top
1	4 conductor phone cable, 3.5ft, grey, terminated phone jack	Bench top
	Dacron fishing line, 10m	Bench top
1	nylon rod, 1/2" OD x 12"	Bench top
1	nylon rod, 1" OD x 6"	Bench top
1	steel rod, 1/2"OD x 6"	Bench top
1	Venetian blind	Bench top
2	18V Mabuchi RS-555PH motor, 29.2 mm OD x 37.8 mm long	Bench top
1	Velcro loop side, 1m	Bench top
4	Cable ties, ~6" length x 1/8" width	Bench top
4	Cable ties, ~6" length x 3/16" width	Bench top
1	nylon fabric, 12" x 12"	Bench top

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# GIVEN	DESCRIPTION	LOCATION
20	machine screws, assorted	Self Serve
10	pop rivets, assorted	Self Serve
1	Orange-Go #85, 3/32" OD x 3m	Self Serve
1	RTV silicone casting compound, 4 ounces	Self Serve
2/motor	M3xXX metric screws for mounting motors only	Self Serve

1	aluminum sheet, 1/4" x 5" x 12"	To come
1	aluminum bar, 3/8" x 1" x 18"	To come
1	aluminum bar, 1/2" x 1" x 18"	To come
1	aluminum bar, 3/4" x 1" x 12"	To come
1	aluminum rod, 1" OD x 6"	To come
1	PIC shaft, 3/16" OD x 12" precision ground steel	To come
1	PIC shaft, 1/4" OD x 12" precision ground steel	To come
1	wooden dowel, 3/16" OD x 48"	To come
1	wooden dowel, 1/4" OD x 48"	To come
1	Plexiglas sheet, 1/4" x 5" x 24"	To come
1	Plexiglas sheet, 1/2" x 5" x 24"	To come
1	Velcro hook side, 1m	To come
2	12V Mabuchi FK-280 motor, 18.3 mm thick x 30.5 mm long	To come