

All team members are responsible for the safe record of the kit contents Kit Number _____

Last Name: _____ First Name: _____ Signature: _____

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Each robot kit check your kit for the following materials before taking it with you
Amazon.com, Erector Special Edition Anniversary Set, 643 pieces, \$109.99 each
Refer to page 3 of the Erector manual for a photo of the major components.

- ___ Case,
- ___ Erector manual (this is real hard to replace),
- ___ large base, #52,
- ___ 2 small base, #51F,
- ___ 2 small base, #51E,
- ___ 4 large wheels (#187C) and tires (#142R),
- ___ 2 small tires (#155), (can be put on the little pulleys (22B3P))
- ___ 5 tools (#34, 36C, 36D), (wrench and **four** Allen wrenches)
- ___ 2 large pulleys (#19B)
- ___ 3 medium pulleys (#21P3P)
- ___ 3 small pulleys (#22B3P)
- ___ 1 DC motor (low torque, high RPM)

BG Micro, www.bgmicro.com,

- ___ BAT1060, 8.4V/3.8AH, NiMH battery, with male-male header to mount to protoboard, \$7 each
- ___ Battery charger \$3 (warning: charge no longer than 8 hours)
- ___ 2, MOT1050, Geared DC motor (\$7.95 each)
- ___ 1 DC motor (low torque, high RPM)

Parallax, www.parallax.com

- ___ Ultrasonic **(Ping))**), in a bag, \$29.95

Sparkfun, www.sparkfun.com

- ___ 3, GP2Y0A21YK IR range sensor, SEN-00242 (\$9.95 each)
- ___ 3, Jumper wires, SEN-08733 (\$1.50 each) with male-male header to mount to protoboard

All Electronics Corporation, <http://www.allelectronics.com>, Phone 1-800-826-5432

- ___ 4, switches of various types
 - SMS-189, MINI-SNAP-ACTION SWITCH, \$0.50 each
 - SMS-174, MINI-ACTION ROLLER SWITCH, \$1.25 each
- ___ 4, QRB1134, optical reflective object sensor, \$2.00 each (Mouser)
- ___ 1, SOL-89, Deltrol Controls #56597-60 INT. Spring-return, push-pull solenoid, \$1.35

Jameco, 1-800-831-4242, www.jameco.com, and Jameco Robot Store, <http://www.robotstore.com>

- ___ 2, 162190, HNGH12-1324Y Geared DC motor 225RPM 12VDC, 145 mA, \$16.95 each
- ___ 2, 163395, 5017-935, 30 ohm, 280 mA, 400 steps/rotation stepper motor, \$4.95 each
- ___ 1, 157067, 14500 RBT geared servo motor, \$17.95 each
- ___ 1, servo bag with 4 plastic pieces, 4 screws, 4 black bushings, and 4 brass bushings
- ___ 2, 400961, 3 in tires, Neoprene Foam Tread, \$7.25/pair
- ___ 2, 386118, Mounting Hub, 5mm shaft (drilled to 3/16in), \$8.49 per pair
- ___ 2, 386118, Mounting Hub, 4mm shaft, \$8.49 per pair
- ___ 1, 358336, Ball Caster, \$11.95

Stuff in the kit that I won't count, but would like back

the rest of the 643 parts in the erector set, springs, belts and rubber bands