

Appendix A: J-Bot Parts Lists and Sources



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J-Bot - Full Kit

Aside from a PC and the simple tools listed on Page 7, the J-Bot Full Kit contains all the parts and documentation you'll need to complete the experiments in this text.



J-Bot - Full Kit (#28132)

Parallax Code#	Description	Quantity
JS1-IC	Javelin module	1
27919	Javelin Manual	1
28124	J-Bot Parts Kit	1
28125	J-Bot v1.0 text	1
550-00010	Board of Education Rev B	1
800-00003	Serial cable	1

J-Bot - Parts Kit

If you already have a JSDB and Javelin, the J-Bot Parts Kit can also be purchased separately. As with all Stamps in Class curriculum, the J-Bot experiments are designed for use with the Board of Education with Javelin and the parts kit with the same name as the text. The contents of the J-Bot Parts Kit is listed below. Replacement parts in the kit may also be ordered from <http://www.stampsinclass.com>.

J-Bot Parts Kit (#28124)

Parallax Code#	Description	Quantity
150-01030	10K Ω resistors	2
150-02210	220 Ω resistors	6
150-04710	470 Ω resistors	4
200-01031	0.01 μ F capacitors	2
200-01040	0.1 μ F capacitors	2
201-03080	3300 μ F capacitor	1
350-00006	red LEDs	2
350-00009	Photoresistors (EG&G Vactec VT935G group B)	2
350-00014	infrared receiver (Panasonic PNA4602M or eq.)	2
350-00017	infrared LEDs covered with heat shrink tubing (QT QEC113)	2

J-Bot Parts Kit (#28124 continued)

Parallax Code#	Description	Quantity
451-00303	3-Pin Header	4
700-00010	Whisker	2
700-00015	#4 screw-size nylon washer	2
700-00049	3/8" Male-female standoff	2
800-00016	jumper wires (bag of 10)	2
900-00001	Piezospaker	1
28133	J-Bot Hardware Pack	
700-00002	4-40 x 3/8" machine screws	8
700-00009	1" polyethylene ball, pre-drilled	1
700-00011	o-ring tires	2
700-00013	J-Bot plastic machined wheels	2
700-00016	4-40 x 3/8" flathead machine screws	2
700-00022	J-Bot aluminum chassis	1
700-00023	1/16" x 1.5" long cotter pin	1
700-00024	4-40 locknuts	10
700-00025	13/32" rubber grommet (fits 1/2" hole)	1
700-00026	9/32" rubber grommet (fits 3/8" hole)	2
700-00027	1/2" double-female standoffs	4
700-00028	4-40 x 1/4" machine screw	8
700-00038	Battery holder with cable and barrel plug	1
900-00008	Parallax pre-modified servos	2

Board of Education Kits

The Stamps in Class curricula features different modules that depend on the Javelin and Board of Education as a core. This core can be purchased separately.

Board of Education - Full Kit (#28102)

Parallax Code#	Description	Quantity
550-00008	Board of Education Rev A	1
800-00016	Pluggable wires	10
JS1-IC	Javelin module	1
750-00008	300 mA 9 VDC power supply	1
800-00003	Serial cable	1

Board of Education Kit (#28150)

Parallax Code#	Description	Quantity
550-00008	Board of Education Rev A	1
800-00016	Pluggable wires	6

J-Bot and Javelin Documentation

The documentation included with the J-Bot Full Kit is also available separately.

J-Bot Documentation

Parallax Code#	Description	Internet Availability?
27919	Javelin Manual	http://www.stampsinclass.com
28125	J-Bot v1.0	http://www.stampsinclass.com

Parallax Distributors

The Parallax distributor network serves approximately 40 countries worldwide. A portion of these distributors are also Parallax-authorized "Stamps in Class" distributors - qualified educational suppliers. Stamps in Class distributors normally stock the Javelin and Board of Education (#28102 and #28150). Several electronic component companies are also listed for customers who wish to assemble their own Robotics Parts Kit.

Country	Company	Notes
United States	Parallax, Inc. 3805 Atherton Road, Suite 102 Rocklin, CA 95765 USA (916) 624-8333, fax (916) 624-8003 http://www.stampsinclass.com http://www.parallaxinc.com	Parallax and Stamps in Class source. Manufacturer of the Javelin.
United States	Digi-Key Corporation 701 Brooks Avenue South Thief River Falls, MN 66701 (800) 344-4539, fax (218) 681-3380 http://www.digi-key.com	Source for electronic components. Parallax distributor. May stock Board of Education. Excellent source for components.
Australia	Microzed Computers PO Box 634 Armidale 2350 Australia Phone +612-67-722-777, fax +61-67-728-987 http://www.microzed.com.au	Parallax distributor. Stamps in Class distributor. Excellent technical support.
Australia	RTN 35 Woolart Street Strathmore 3041	Parallax and Stamps in Class distributor.

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	Australia Phone / fax +613 9338-3306 http://people.enternet.com.au/~nollet	
Canada	HVW Technologies 300-8120 Beddington Blvd NW, #473 Calgary, AB T3K 2A8 Canada (403) 730-8603, fax (403) 730-8903 http://www.hvwtech.com	Parallax distributor and Stamps in Class distributor.
Germany	Elektronikladen W. Mellies Str. 88 32758 Detmold Germany 49-5232-8171, fax 49-5232-86197 http://www.elektronikladen.de	Parallax distributor and Stamps in Class distributor.
New Zealand	Trade Tech Auckland Head Office, P.O. Box 31-041 Milford, Auckland 9 New Zealand +64-9-4782323, fax 64-9-4784811 http://www.tradetech.com	Parallax distributor and Stamps in Class distributor.
United Kingdom	Milford Instruments Milford House 120 High St., S. Milford Leeds YKS LS25 5AQ United Kingdom +44-1-977-683-665 Fax +44-1-977-681-465 http://www.milinst.demon.co.uk	Parallax distributor and Stamps in Class distributor.