

Where to get more...

Notes	Source	Description	Part Number	Where to get more...
2	Altium Limited	Altium Designer	n/a	<a href="http://www.altium.com">www.altium.com</a>
1		C-Base Drive Chassis	assorted	
		Rover wheels	am-0210	
		Sprocket Spacer	am-0207	
		Toughbox	assorted	
1		Driver Station	DS-06062008-1.0 or am-0269	
1	AndyMark, Inc.	Power Distribution Board	A003206 or am-0265	<a href="http://www.andymark.biz">www.andymark.biz</a>
1		Digital Sidecar	A003333 or am-0266	
1		Analog Breakout	A003266 or am-0267	
1		Solenoid Breakout	A003265 or am-0268	
		Battery Connector Safety Plug	am-0122	
		2 1/2" CIM Motor	FR801-001 or am-0255	
1		Battery connectors	am-0009	
	AndyMark, Inc.	Power Wheels Motor Gear box	00968-2910 (-9015 motor)	availablility TBD at <a href="http://www.andymark.biz">www.andymark.biz</a>
2		Inventor Professional 2009		
2	Autodesk, Inc.	3ds Max 2009	n/a	<a href="http://www.autodesk.com/firstbase">www.autodesk.com/firstbase</a>
2		Combustion		
	AutomationDirect.com	IEC Rotary Limit Switch	AAP2T51Z11	
		Terminal Blocks	BM-M092CS	<a href="http://www.automationdirect.com">www.automationdirect.com</a>
		Push Button	GCX1125	
	Axis Communications	Axis 206 Network Camera	0199-004 or 288635	many online retailers carry the camera
		Camera Adapter	SA106A-0512-6	no outlet has been arranged
	BaneBots LLC	12V DC motor	RS-545	<a href="http://www.banebots.com">www.banebots.com</a>
		2 1/2" CIM Motor	FR801-001 or ??	
2	Bimba Manufacturing Company	Pneumatic cylinders	custom ordered online	<a href="http://www.bimba.com">www.bimba.com</a> for custom orders or local distributor/Bimba website for additional purchased cylinders
	CablesToGo	3ft DB37 M/F Extension Cable	02688	<a href="http://www.cablestogo.com">www.cablestogo.com</a>
	Clippard	Accumulator	AVT-32-16	<a href="http://www.clippard.com">www.clippard.com</a>
	Contract Support Group	Dongle	n/a	not available of-the-shelf please refer to the <i>Control System Manual, Section 3.1.7</i> for assembly instructions
	DENSO	Window motor, left	262100-3040	not available - do not contact source
		Window motor, right	262100-3030	
	Diamond Technologies Inc.	Power Connector, Wago	734-102	<a href="http://www.diamondt.com">www.diamondt.com</a> or 866-837-1931
3	DigiKey/Luminary Micro	Jaguar motor controller	MDL-BDC or 726-1189-ND	<a href="http://sales.digikey.com/dkes/FirstRoboticsCompetition.asp">http://sales.digikey.com/dkes/FirstRoboticsCompetition.asp</a>
	Diversified Systems	Sensor board - accelerometer		not available - do not contact source
		Sensor board - gyroscope		
	ebm-papst Inc.	4212/12H-520 or 4212/2-534	Compact fan (large)	Dottie Reeve @ (860)284-4801 or <a href="mailto:dottie.reeve@us.ebmpapst.com">dottie.reeve@us.ebmpapst.com</a>
		412	Compact fan (mini)	
	FCI-BURNDY® Products	jumpers	68786-102LF	<a href="http://www.burndy.com">www.burndy.com</a>
		terminal lugs (compression)	YAZV6CTC14FX	
		terminal lugs (mechanical)	KPA4CUP	
		tie wraps, 4"	CT18075C	
		tie wraps, 8"	CT50175C	
	Festo Corporation	solenoid valve	13026684	an outlet has not been arranged - do not contact source
3	Freelin-Wade Company	Polyurethane tubing, 0.250" OD	1J-151-48P-FW	50% off, 888-373-9233, <a href="http://www.freelin-wade.com">www.freelin-wade.com</a>
	Gardner Denver Thomas	Air compressor	405ADC38/12	various online retailers, please do not contact source directly

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	Gates Corporation	Supporting sprocket Larger supporting sprocket Sprocket Belting Belting Belting	16-5M09-6FA3 32-5M15-6A3 56-5M15-6A5 5MR-535-09 5MR-535-15 5MR-900-09	www.gates.com/drivedesign www.bbman.com
	Globe Motors	12VDC motor/gearbox	409A587	find distributors at <a href="http://www.globe-motors.com/distcont.html">http://www.globe-motors.com/distcont.html</a>
	Grainger	Gloves M6 nuts for PD Board M6 washers for PD Board	2RA69 2N454 2N494	www.grainger.com
	Hitec RCD USA	HS-322HB Servo	33322S	ubiquitous
	Honeywell	Microswitch	V7-2B18D8-048	find distributors online at <a href="http://sensing.honeywell.com">http://sensing.honeywell.com</a>
	HPE Automation	Teflon tape		ubiquitous
3	igus Inc.	DryLin S Aluminum Shaft igubal Flange Bearing igubal Rod End Bearing Energy Chain cable carrier Energy Chain Mounting Bracket Set DryLin N Linear Guide System iglide bearing iglide bearing iglide bearing iglide bearing	AWI-10 EFOI-10 EBRI-10R 045-10-018-0 0450-10-12 NK02-40-2-610 JSI-1012-08 JFI-1012-08 MTI-10 MCI-06-02	no charge to FRC Teams for kit parts www.igus.com
1	Innovation First, Inc.	Spike relay Victor motor controller	SPIKE-RELAY-H FR-VIC884	<a href="http://www.ifrobotics.com">www.ifrobotics.com</a>
	Jameco	AC Adapter (for Driver Station)	100870	<a href="http://www.jameco.com">www.jameco.com</a>
	Kent Elastomer Products	Latex tubing	5234k44	<a href="http://www.kentelastomer.com">www.kentelastomer.com</a>
	Kerk Motion Products, Inc.	Lead screw/nut	BF6029 x 18	<a href="http://www.kerkmotion.com">www.kerkmotion.com</a>
	Keyang Electric Machinery Co, Ltd	Window motor	166310023	an outlet has not been arranged - do not contact source
	Lifoam	Pool Noodle	n/a	ubiquitous
1	Linksys/Cisco	Radio, Driver Station Radio, Robot	WRT610N WGA600N	ubiquitous
	LXi COMPONENTS, INC.	Power connector, cRio	CTF040V8 or CTF04BV8-CN	www.sauro.net, www.lxicomponents.com
	Mabuchi Motor	12VDC motor	RS385SH-2270	an outlet has not been arranged - do not contact source
3	MK BATTERY	12 Volt, 18 AMP Hour Sealed Lead-Acid Battery	ES17-12	<a href="http://www.westcobattery.com/">http://www.westcobattery.com/</a>
	Monnier	Secondary Regulator Secondary Regulator Bracket	101-3002-1 13536	www.monnier.com for local distributor
	MSC Direct	Master Links, #35 chain Output Sprocket Chain, #35	36684974 or H35B15F-1/2	www.mscdirect.com
	n/a	Trailer Hitch Spacer	1" x 1" x 7"	ubiquitous
	NASON	Pressure Switch	SM-2B-115R/443	www.nason.com, 800.229.4955
1, 3	National Instruments	cRIO Mobile Device Controller & modules	780405-01	www.ni.com/first or 866-511-6285

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	NH Precision	Axis Case Base Pan Plate Servo Brace		not available of-the-shelf drawings available at <a href="http://www.usfirst.org/community/frc/content.aspx?id=452">http://www.usfirst.org/community/frc/content.aspx?id=452</a>
	Norgren	Main regulator Regulator bracket Relief valve pressure gauge	R07-100-RNEA 18-025-003 16-004-011 18-013-212	find distributors at <a href="http://www.norgren.com/usa/distlocator/main.asp">http://www.norgren.com/usa/distlocator/main.asp</a>
	Parker Hannifin Corporation	Brass bag	PKT12326	find brass distributors at <a href="http://www.parker.com">www.parker.com</a>
	PCCables.com	2-wire jumper cable	03203	<a href="http://www.pccables.com">www.pccables.com</a>
	Pelham Plastics	Coupler, Denso motor Coupler, Keyang motor	Denso-6 Keyang-12	an outlet has not been arranged - do not contact source
	Pololu Robotics and Electronics	Servo Y splitter cable 12" 22AWG w/unshrouded male connectors	788 (789 is modified)	<a href="mailto:jan@pololu.com">jan@pololu.com</a>
2	PTC	Pro/ENGINEER		<a href="http://www.ptc.com/go/frcregistration">http://www.ptc.com/go/frcregistration</a>
2		Windchill		
2		Mathcad		
3	Rockwell Automation	Panel signal device	855PB-B12ME522	1/team from Michael Hunt, Kendall Electric, 269-963-5585 rest from <a href="http://shop.rockwellautomation.com">http://shop.rockwellautomation.com</a>
	Schumacher Electric Corporation	Battery charger	SC-600A	available online
	Seattle Fabrics	Target material, pink Target material, green	hot pink, #1201 forurescent green, #1089	<a href="http://www.seattlefabrics.com">www.seattlefabrics.com</a>
1	SNAP ACTION, INC.	20A Breaker	VB3-A20-F57	<a href="http://www.snapaction.net">www.snapaction.net</a> , 908-654-4380
1		30A Breaker	VB3-A30-F57	
1		40A Breaker	MX5-A40	
	Terminal Supply	Circuit breaker, 120A Battery connector	CB3-SM-120	<a href="http://www.terminalsupplyco.com">www.terminalsupplyco.com</a>
	THE ROBOT MARKETPLACE	RC Extension cable	RC-218FJ36	<a href="http://www.robotmarketplace.com">www.robotmarketplace.com</a>
	TigerDirect.com	Attack 3 Joystick	963291-0403	<a href="http://biz.tigerdirect.com">http://biz.tigerdirect.com</a>
	Triangle Mfg. Co.	12" Lazy Susan Bearing	12C	<a href="http://www.triangleoshkosh.com">www.triangleoshkosh.com</a>
	Tyco Electronics Corporation	2ft Ethernet cable assy 5ft Ethernet crossover cable assy	219241-2 219153-3	find distributors online at <a href="http://www.tycoelectronics.com">www.tycoelectronics.com</a>
	US Digital Corporation	OEM Minature Optical Kit Encoder 4-pin encoder connector	E4P-250-250-D-D-D-B CA-MIC4-W4-NX-1	<a href="http://www.usdigital.com">www.usdigital.com</a>
	Walmart	Orbit ball		refer to <a href="http://frcdirector.blogspot.com">http://frcdirector.blogspot.com</a> for updates on orbit ball availability
	WIKA Instrument Corporation	Pressure Gauge; 0-160 PSI, 1/8"NPT B, ABS Case	9690242	find distributors at <a href="http://www.wika.com">www.wika.com</a>
	Wind River/National Instruments	FRC Software Bundle		please contact <i>FIRST</i> , <a href="mailto:frcparts@usfirst.org">frcparts@usfirst.org</a>
NOTES:				
1. Per the game rules, this is the only permitted part of its kind in the <i>FIRST</i> Robotics Competition, in order to facilitate a fair and even-handed competition.				
2. These items were not physically in the kit, but were donated to each FRC team through <i>FIRST</i> . To take advantage of the donation, please follow the link.				
3. This item may available at a discount for FRC participants. The discount may be limited in availability, please contact the supplier for details.				
4. Please note that terminals, hardware, and wire are ubiquitous and are not included on this list.				