2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark C-Base Kit 1	Corner Connect **PN:** am-0212	8	
☐	**AndyMark Kit** AndyMark C-Base Kit 2	Angle Bracket **PN:** am-0442	2	
☐	**AndyMark Kit** AndyMark C-Base Kit 2	T-Brace **PN:** am-0443	2	
☐	**AndyMark Kit** AndyMark C-Base Kit 3	3/8 x 3 1/2" hex head screw **PN:** am-1122	4	
☐	**AndyMark Kit** AndyMark C-Base Kit 3	3/8-18 Nylock Nut **PN:** am-1054	4	
☐	**AndyMark Kit** AndyMark C-Base Kit 3	370 x 375 Spacer **PN:** am-0440	4	
☐	**AndyMark Kit** AndyMark C-Base Kit 3	985 x 375 Spacer **PN:** am-0441	4	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark C-Base Kit 4	1/4-20 nylock nut **PN:** am-1015	**48**	
☐	**AndyMark Kit** AndyMark C-Base Kit 4	1/4-20 x 1.75 SHCS **PN:** am-1058	**32**	
☐	**AndyMark Kit** AndyMark C-Base Kit 4	1/4-20 x 5/8" SHCS **PN:** am-1053	**16**	
☐	**AndyMark Kit** AndyMark C-Base Kit 4	1/4" Washer **PN:** am-1027	**8**	
☐	**AndyMark Kit** AndyMark Sprocket Kit	#10 screw, self-tapping **PN:** am-1123	**12**	
☐	**AndyMark Kit** AndyMark Sprocket Kit	765 x 500 Spacer **PN:** am-0452	**2**	
☐	**AndyMark Kit** AndyMark Sprocket Kit	S35-15DHE, output sprocket, 15-tooth #35, double sprocket **PN:** am-0421	**2**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark Sprocket Kit	S35-22LE, wheel sprocket, 22-tooth #35, #10 mntg holes in a 1.875" D circle, 1.1" bore **PN:** am-0245	**4**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 1	Output shaft **PN:** am-0153	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 1	Small Hex Shaft 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0152	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 2	CIM Gear 2/Toughbox x 2 Toughboxes/FRC kit = 4 total **PN:** am-0034	**4**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 2	Large Output Gear 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0150	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 3	Large Cluster Gear 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0149	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 3	Small Cluster Gear 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0151	**2**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark Toughbox Kit 4	1/4-20 nylock nut 4/Toughbox x 2 Toughboxes/FRC kit = 8 total **PN:** am-1015	**8**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 4	1/4-20 x 1/2 BHCS 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-1039	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 4	1/4-20 x 2" SHCS 4/Toughbox x 2 Toughboxes/FRC kit = 8 total **PN:** am-1012	**8**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 4	1/4" washer 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-1027	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 4	#10-32 x 5/8" SHCS w/ nylon 4/Toughbox x 2 Toughboxes/FRC kit = 8 total **PN:** am-1120	**8**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 5	FR6ZZ bearing 3/Toughbox x 2 Toughboxes/FRC kit = 6 total **PN:** am-0028	**6**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 5	FR8ZZ bearing 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0030	**2**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	1/8" machine key 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-1043	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	#10-32 x 1/2" SHCS 2/Toughbox x 2 Toughboxes/FRC kit = 4 total **PN:** am-1002	**4**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	2 x 2 x 10mm key 2/Toughbox x 2 Toughboxes/FRC kit = 4 total **PN:** am-1121	**4**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	5/16" washer 4/Toughbox x 2 Toughboxes/FRC kit = 8 total **PN:** am-1009	**8**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	8mm Ring 2/Toughbox x 2 Toughboxes/FRC kit = 4 total **PN:** am-0033	**4**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	E-Clip 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0206	**2**	
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	Encoder mount 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0208	**2**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** AndyMark Toughbox Kit 6	Grease pack 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0448	**2**	
☐	**AndyMark Kit** Loose	C-Channel **PN:** am-0202	**6**	
☐	**AndyMark Kit** Loose	1614ZZ, Wheel bearings Double Shielded, ID: 0.375", OD: 1.125", Width: 0.375" **PN:** am-0209	**8**	
☐	**AndyMark Kit** Loose	2010 FIRST wheel, plastic tread 8" Diameter, "slick" **PN:** am-0420	**2**	
☐	**AndyMark Kit** Loose	2010 FIRST wheel, rubber tread 8" Diameter, "stick" **PN:** am-0494	**2**	
☐	**AndyMark Kit** Loose	Battery Plug **PN:** AM-0122	**4**	
☐	**AndyMark Kit** Loose	Extrusion cover 1/Toughbox x 2 Toughboxes/FRC kit = 2 total **PN:** am-0260	**2**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**AndyMark Kit** Loose	Wheel Bracket **PN:** am-0450	**4**	
☐	**AndyMark Kit** Toughbox kit	Mount Plate **PN:** am-0155	**2**	
☐	**AndyMark Kit** Toughbox kit	Shaft Plate **PN:** am-0261	**2**	
☐	**Battery Box** Loose	Battery (ROOKIE) 12 volt, 18 AH, Non-Spillable **PN:** NP18-12	**2**	
☐	**Battery Box** Loose	Battery (VETERAN) 12 volt, 18 AH, Non-Spillable **PN:** NP18-12	**1**	
☐	**Blue Tote** Breaker Bag	20Amp circuit breaker auto-reset **PN:** VB3-A20-F57	**5**	
☐	**Blue Tote** Breaker Bag	30Amp circuit breaker auto-reset **PN:** VB3-A30-F57	**2**	

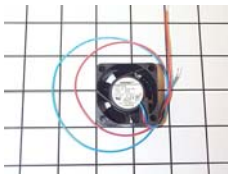
2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Breaker Bag	40Amp circuit breaker auto-reset **PN:** MX5-A40	**4**	
☐	**Blue Tote** Included w/ Analog Breakout	Breakout mounting hardware, 4-40 x 0.75" **<u>These are wrapped up with the Analog Breakout Boards!</u>** **PN:** 92196A113	**6**	
☐	**Blue Tote** Loose	Autodesk packet Flyer **PN:**	**1**	
☐	**Blue Tote** Loose	IEC Rotary Limit Switch **PN:** AAP2T51Z11	**2**	
☐	**Blue Tote** Loose	Terminal blocks 12 pole w/ wire protector **PN:** BM-M092CS	**2**	
☐	**Blue Tote** Loose	FirstTouch I/O Module **PN:** CY8CKIT-003	**1**	
☐	**Blue Tote** Loose	Wire, 10AWG, Black 10' length **PN:**	**1**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Loose	Wire, 10AWG, Red 10' length **PN:**	1	
☐	**Blue Tote** Loose	Wire, 14AWG, Black 10' length **PN:**	1	
☐	**Blue Tote** Loose	Wire, 14AWG, Red 10' length **PN:**	1	
☐	**Blue Tote** Loose	Analog Breakout **PN:** A003266 / am0267	1	
☐	**Blue Tote** Loose	Digital SideCar **PN:** A003333 / am-0266	1	
☐	**Blue Tote** Loose	Power Distribution Board 8 40A outputs, 12 20/30A outputs, 5V, 12V, & 24V regulated outputs **PN:** A003206 / am-0265	1	
☐	**Blue Tote** Loose	Compact Fan (Large) 12 Vdc **PN:** 4212	2	

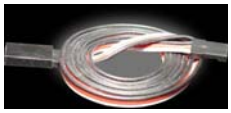
2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Loose	Compact fan (mini) 12 Vdc **PN:** 412	**6**	
☐	**Blue Tote** Loose	E-Stop Button **PN:** am-0515	**1**	
☐	**Blue Tote** Loose	Terminal Lug (bag of 8) 6-14 ga solderless lug, mechanical **PN:** KPA4CUNPL	**1**	
☐	**Blue Tote** Loose	Terminal Lugs (bag of 8) 6-14 ga solderless lug, compression, copper **PN:** YAZV6CTC14FX	**1**	
☐	**Blue Tote** Loose	Tie wraps, 4" UNIRAP, 4", 100 ct **PN:** CT18075C	**1**	
☐	**Blue Tote** Loose	Tie wraps, 8" UNIRAP, 8", 100 ct **PN:** CT50175C	**1**	
☐	**Blue Tote** Loose	Pnuematic tubing (1/4 OD x 0.160 ID) x 50' length **PN:** 1J-151-48P-FW	**1**	

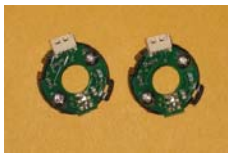
2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Loose	Gates free parts notice Flyer **PN:**	1	
☐	**Blue Tote** Loose	Teflon tape roll, 1/4" x 520' **PN:**	1	
☐	**Blue Tote** Loose	Classmate PC 16G Flash, Clamshell **PN:** NBC2GO89A	1	
☐	**Blue Tote** Loose	Latex Tubing 0.125" ID x 0.094" thickness x 5' L **PN:**	1	
☐	**Blue Tote** Loose	Speed Controller (Jaguar) Stellaris Brushed DC motor **PN:** MDL-BDC	2	
☐	**Blue Tote** Loose	Blue Tote **PN:**	1	
☐	**Blue Tote** Loose	FRC Software Bundle LabVIEW for FRC, WindRiver **PN:**	1	

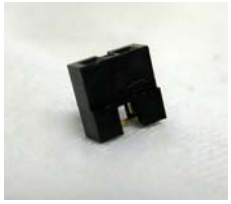
2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Loose	2-wire jumper cable 24" **PN:** 03203	**5**	
☐	**Blue Tote** Loose	Scholarship Packet 2 brochures & 2 posters **PN:**	**1**	
☐	**Blue Tote** Loose	Servo Y-splitter cable 12" **PN:** 788 (modified, plastic covers removed)	**2**	
☐	**Blue Tote** Loose	PTC Sticker http://www.ptc.com/go/frcregistration **PN:**	**1**	
☐	**Blue Tote** Loose	RC Extension cable 36", 22AWG wire, male/female **PN:** RC-218FJ36 (mod'd, keys & covers removed)	**8**	
☐	**Blue Tote** Loose	Java Postcard Flyer **PN:**	**1**	
☐	**Blue Tote** Loose	USB 4-port hub **PN:** ACH63US	**1**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Blue Tote** Loose	Circuit Breaker 120A, Automotive style **PN:** CB3-SM-120	1	
☐	**Blue Tote** Loose	Breadboard 2.14" x 6.5" **PN:** TW-E40-1020	1	
☐	**Blue Tote** US Digital Bag	4-pin encoder connector 26AWG wire **PN:** CA-MIC4-W4-NC-1	2	
☐	**Blue Tote** US Digital Bag	Encoder - Codewheel 360 CPR **PN:** E4P-360-250-S4149	2	
☐	**Blue Tote** US Digital Bag	Encoder - Cover 360 CPR **PN:** E4P-360-250-S4149	2	
☐	**Blue Tote** US Digital Bag	Encoder - Installation Tool 360 CPR **PN:** E4P-360-250-S4149	1	
☐	**Blue Tote** US Digital Bag	Encoder -Base 360 CPR **PN:** E4P-360-250-S4149	2	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** CablesToGo bag	standoff, male/female (for DS and DSC) 4-40, 0.187' long **PN:** 219-1048	2	
☐	**Red Tote** CablesToGo bag	Magnetic encoder, board **PN:** AS5030	2	
☐	**Red Tote** CablesToGo bag	Magnetic encoder, magnet **PN:**	2	
☐	**Red Tote** CablesToGo bag	DB37 Extension Cable 3ft, beige, Male/Female **PN:** 02688	1	
☐	**Red Tote** CablesToGo bag	Power connector, Wago 2-pole **PN:** 734-102	4	
☐	**Red Tote** CablesToGo bag	Sensor panel accelerometer/gyro sensor boards **PN:**	1	
☐	**Red Tote** CablesToGo bag	Jumper female, 2-pin shunt, black or white **PN:** 68786-102LF	4	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** CablesToGo bag	FisherPrice assy hardware 12VDC w/ 16 tooth pinion, -9015 motor **PN:**	4	
☐	**Red Tote** CablesToGo bag	Microswitch **PN:** V7-2B17D8-048	2	
☐	**Red Tote** CablesToGo bag	Power connector, cRio female, 4 poles **PN:** CTF040V8	2	
☐	**Red Tote** CablesToGo bag	Master Link for Chain #35 Link **PN:**	4	
☐	**Red Tote** CablesToGo bag	One-pitch link #35 Link **PN:**	4	
☐	**Red Tote** CablesToGo bag	Quick Disconnect, female 10-12ga, .250d, FASTON **PN:** 4-520448-2	20	
☐	**Red Tote** CablesToGo bag	Quick Disconnect, female 16-14ga, .250d, FASTON **PN:** 3-520408-2	10	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** CablesToGo bag	Quick Disconnect, male 12-10ga, .250d **PN:** 4-521098-2	**10**	
☐	**Red Tote** igus bag	DryLin N Linear Guide System **PN:** NK02-40-2-610	**1**	
☐	**Red Tote** igus bag	DryLin S Aluminum Shaft 24" Hard Anodized **PN:** AWI-10	**2**	
☐	**Red Tote** igus bag	Energy Chain Cable Carrier 1 meter **PN:** 05-4-038-0	**1**	
☐	**Red Tote** igus bag	Energy Chain Mounting Bracket Set **PN:** 050-20-12	**1**	
☐	**Red Tote** igus bag	iglide bearing **PN:** JSI-1012-08	**4**	
☐	**Red Tote** igus bag	iglide bearing **PN:** JFI-1012-08	**4**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** igus bag	iglide bearing **PN:** MTI-10	4	
☐	**Red Tote** igus bag	iglide bearing **PN:** MCI-06-02	4	
☐	**Red Tote** igus bag	igubal Flange Bearing **PN:** EFOI-10	2	
☐	**Red Tote** igus bag	igubal Rod End Bearing **PN:** EBRI-10R	2	
☐	**Red Tote** Loose	Quick-Disconnect Battery Connector #6 wire pair, red & black, 12" tail **PN:** 6331G1	4	
☐	**Red Tote** Loose	Accumulator Volume tank, 2" bore by 6" long **PN:** AVT-32-16	2	
☐	**Red Tote** Loose	Wire, 6AWG, Black, 5' 5', #6 AWG, Black **PN:** M3391-101	1	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** Loose	Wire, 6AWG, Red, 5' 5', #6 AWG, Red **PN:**	1	
☐	**Red Tote** Loose	Window Motor - Left 12V DC **PN:** 262100-3040	2	
☐	**Red Tote** Loose	Window Motor - Right 12V DC **PN:** 262100-3030	2	
☐	**Red Tote** Loose	FisherPrice Gearbox 12VDC w/ 16 tooth pinion, -9015 motor **PN:**	2	
☐	**Red Tote** Loose	FisherPrice Motor 12VDC w/ 16 tooth pinion, -9015 motor **PN:**	2	
☐	**Red Tote** Loose	Relay Module (Spike) 12V, 20A Max **PN:** SPIKE-RELAY-H	1	
☐	**Red Tote** Loose	Lead Screw w/ nut **PN:** BZ8M16 X 15"	1	

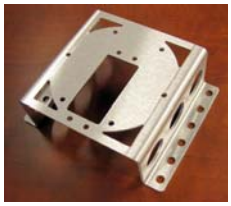
2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** Loose	Serial Cable #4 screw size **PN:**	1	
☐	**Red Tote** Loose	Cable Assembly, Ethernet crossover 5ft, pink **PN:**	1	
☐	**Red Tote** Loose	Mabuchi motor **PN:** RS555SH-2670	1	
☐	**Red Tote** Loose	Mabuchi motor **PN:** RS555VC-3754	1	
☐	**Red Tote** Loose	Chain, #35, 20ft length #35, 20' length **PN:**	1	
☐	**Red Tote** Loose	Pressure Switch Opens 115psi, Closes 95psi **PN:** SM-2B-115R/443	1	
☐	**Red Tote** Loose	Main Regulator Mounting Kit Bracket and Nut **PN:** 18-025-003	1	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** Loose	Pressure Gauge 1/8" NPT, 0 - 160 psi **PN:** 18-013-212	**1**	
☐	**Red Tote** Loose	Relief Valve 120 psi relief valve **PN:** 16-004-011	**1**	
☐	**Red Tote** Loose	Coupler, Denso motor black, injection molded plastic, 6 tooth **PN:** Denso-6	**4**	
☐	**Red Tote** Loose	Restoration Key (USB) 4GB SanDisk Cruzer preloaded w/ 2010 Classmate image **PN:** SDCZ6-4096-A11	**1**	
☐	**Red Tote** Loose	Cable Assembly, Ethernet 2ft, gray **PN:** 219241-2	**1**	
☐	**Red Tote** Loose	Wire, 18AWG, Black 5' length **PN:**	**1**	
☐	**Red Tote** Loose	Wire, 18AWG, Red 5' length **PN:**	**1**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Red Tote** Loose	2.5" CIM Motor 12V DC, 2.5" diameter **PN:** FR801-001	2	
☐	**Red Tote** N/A	Red Tote **PN:**	1	
☐	**Rookie Kit** Camera Bracket Kit	Axis Case **PN:** MI-00016	1	
☐	**Rookie Kit** Camera Bracket Kit	Base **PN:** MI-00015	1	
☐	**Rookie Kit** Camera Bracket Kit	Pan Plate **PN:** MI-00013	1	
☐	**Rookie Kit** Camera Bracket Kit	Servo Brace **PN:** MI-00014	1	
☐	**Rookie Kit** cRIO kit	Analog Input Module 8 analog inputs, ±10 V input range, 500 kS/s aggregate sampling rate, 12-bit resolution **PN:** 9201	2	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Rookie Kit** cRIO Kit	compactRIO **PN:** cRIO-FRC	1	
☐	**Rookie Kit** cRIO Kit	Digital I/O Module 32-channel digital I/O, 5 V/TTL, sinking/sourcing digital I/O, 1000 Vrms transient isolation, ±30 V **PN:** 9403	2	
☐	**Rookie Kit** cRIO Kit	Digital Sourcing Module 8-channel, 100 µs digital output, 6 to 30 V range, sourcing digital output **PN:** 9472	1	
☐	**Rookie Kit** Loose	Camera, Axis 206 206 color camera, MJPEG, 16MB RAM, 4MB Flash, 4mm lens, F2.0 **PN:** 288635	1	
☐	**Rookie Kit** Loose	Battery Charger 12V, 6Amp automatic **PN:** SC-600A	1	
☐	**Rookie Kit** Loose	DB37 Extension Cable 3ft, beige, Male/Female **PN:** 02688	1	
☐	**Rookie Kit** Loose	Analog Breakout **PN:** A003266 / am-0267	1	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Rookie Kit** Loose	Digital SideCar **PN:** A003333 / am-0266	1	
☐	**Rookie Kit** Loose	Solenoid Breakout **PN:** A003265 / am-0268	1	
☐	**Rookie Kit** Loose	CD - Basic Electronic Measurement **PN:**	1	
☐	**Rookie Kit** Loose	Digital Multimeter **PN:** 2100135D	1	
☐	**Rookie Kit** Loose	Air Compressor 12VDC **PN:** 405ADC38/12	1	
☐	**Rookie Kit** Loose	Servo 42 oz./in. peak torque, 0.19 sec./60° **PN:** HS-322HD	2	
☐	**Rookie Kit** Loose	Relay Module (Spike) 12V, 20A Max **PN:** SPIKE-RELAY-H	1	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Rookie Kit** Loose	Speed Controller (Victor 884) VICTOR-884-12-12 **PN:** FR-VIC884	1	
☐	**Rookie Kit** Loose	Radio, Driver Station WRT160N **PN:** WRT160N	1	
☐	**Rookie Kit** Loose	Speed Controller (Jaguar) Stellaris Brushed DC motor **PN:** MDL-BDC	2	
☐	**Rookie Kit** Loose	NI Rookie packet #4 screw size **PN:**	1	
☐	**Rookie Kit** Loose	Joystick, Attack 3 11 programmable buttons, USB, symmetrical handle **PN:** 963291-0403	2	
☐	**Rookie Kit** Loose	Radio, Robot Dual-Band Wireless-N Gaming Adapter (includes adapter, ethernet cable, etc) **PN:** WGA600N	1	
☐	**Rookie Kit** Rookie Hardware	standoff, male/female (for DS and DSC) 4-40, 0.187' long **PN:** 219-1048	2	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Rookie Kit** Rookie Hardware	Power connector, Wago 2-pole **PN:** 734-102	**2**	
☐	**Rookie Kit** Rookie Hardware	Nut, bracket assembly 4-40, keps **PN:** 1137403	**16**	
☐	**Rookie Kit** Rookie Hardware	Nut, camera pivot 8-32, nylock **PN:** 1170856	**1**	
☐	**Rookie Kit** Rookie Hardware	Screw, camera pivot 8-32, 3/8″ **PN:** 1172396	**1**	
☐	**Rookie Kit** Rookie Hardware	Screw, hex, servo mount 4-40, 1/2″, low profile **PN:** 0170662	**4**	
☐	**Rookie Kit** Rookie Hardware	Screw, horn/bracket assembly 4-40, 3/8″ **PN:** 1172482	**8**	
☐	**Rookie Kit** Rookie Hardware	Screw, servo mounting 4-40, 3/4″ **PN:** 1128667	**4**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Rookie Kit** Rookie Hardware	Nylon spacer 1/4" **PN:** 252805	**4**	
☐	**Rookie Kit** Rookie Hardware	spring lock washer #4 screw size **PN:** 91102A720	**4**	
☐	**Separate**	Double solenoid valve 12V DC solenoid double valve **PN:**	**1**	
☐	**Separate**	Gloves, pair, Large Leather Palm, Suede Cowhide, Cotton Back, Straight Thumb, Elastic Wrist, Rubberized Cuff **PN:** 2AL54	**1**	
☐	**Separate**	Gloves, pair, Medium Leather Palm, Suede Cowhide, Cotton Back, Straight Thumb, Elastic Wrist, Rubberized Cuff **PN:** 2BC74	**1**	
☐	**Separate**	Secondary Regulator **PN:** 101-3002-1	**1**	
☐	**Separate**	Secondary Regulator Bracket Mounting bracket **PN:** 13536	**1**	

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Separate**	Main Regulator, adjustable **PN:** R07-100-RNEA	1	
☐	**Separate**	Brass bag **PN:** PKT12326	1	
☐	**Separate**	Panel signal device 12V Light **PN:** 855PB-B12ME522	1	
☐	**Virtual**	Altium Designer The 12-month license from Altium Designer, is available at http://www.altium.com/frc2010/ **PN:**	1	Altium
☐	**Virtual** N/A	Autodesk Software Tools www.autodesk.com/first **PN:**	1	Autodesk
☐	**Virtual** N/A	Bimba Cylinders - custom order The order form for the cylinders/rotary actuators is at www.bimba.com. **PN:**	3	BIMBA
☐	**Virtual** N/A	Gates belting - custom order Gates will provide up to 3 belts per team. The order form is available at www.gates.com/FIRST **PN:**	1	Gates A Tomkins Company

2010 Kit of Parts - Checklist

	Container	Part Name, Description, & Number	Qty	Photo
☐	**Virtual** N/A	Gates sprockets - custom order Gates will provide up to 4 sprockets & 1 idler assembly. Order online at www.gates.com/FIRST **PN:**	1	
☐	**Virtual** N/A	Mathcad http://www.ptc.com/go/frcregistration **PN:**	1	
☐	**Virtual** N/A	Pro/ENGINEER http://www.ptc.com/go/frcregistration (for creating CAD models) **PN:**	1	
☐	**Virtual** N/A	ProductView http://www.ptc.com/go/frcregistrationfor (visualizing your robot design) **PN:**	1	
☐	**Virtual** N/A	Windchill http://www.ptc.com/go/frcregistration (for team collaboration) **PN:**	1	