

TABLE OF CONTENT

KIT OF PARTS2

GRAY CONTAINER6

 BEARING BAG7

 HARDWARE BAG9

 LOOSE ITEMS15

 MAILING TUBE24

 SEAT POSITIONING UNIT BAG25

 WINDOW LIFT MECHANISM BAG26

 VELCRO BAG28

GREEN CONTAINER30

 DRILL BAG31

 ELECTRONICS BAG32

 LOOSE ITEMS38

Kit Parts Checklist

Gray Container - Bearing Bag

√	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Pillow Block	1/2"	Bearings	2	The Torrington Company
<input type="checkbox"/>	Radial Ball Bearing With Spherical O.D.	1/2" I.D., Self Locking Collar	Bearings	4	The Torrington Company
<input type="checkbox"/>	Roller Clutch	3/8" I.D.	Bearings	2	The Torrington Company
<input type="checkbox"/>	Single Row Radial Flanged Ball Bearing	1/4" I.D.	Bearings	4	The Torrington Company
<input type="checkbox"/>	Single Row Radial Flanged Ball Bearing	3/8" I.D.	Bearings	4	The Torrington Company
<input type="checkbox"/>	Two Bolt Self Aligning Flange	Fits 1/2" Bearing	Bearings	8	The Torrington Company

Gray Container - Hardware Bag

√	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Compression Spring	0.600" O.D. x 3.5 " Long	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Constant Force Spring, Extra Small	0.34" I.D.	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Constant Force Spring, Large	1.02" I.D.	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Constant Force Spring, Medium	0.59" I.D.	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Constant Force Spring, Small	0.51" I.D.	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Double Magnet Cabinet Catch		Misc Hardware	1	Stanley Hardware
<input type="checkbox"/>	Extension Spring	0.650" O.D. x 2.000" Long	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Flat Washers	1/4" I.D., 7/8" O.D.	Misc Hardware	4	Fastenal Company
<input type="checkbox"/>	Folding Table Brace	9-1/2" Brass plated	Misc Hardware	1	Stanley Hardware
<input type="checkbox"/>	Gate Latch	Steel/Zinc Plated	Misc Hardware	1	Stanley Hardware
<input type="checkbox"/>	Helical Plastic Wire Wrap	1/2" Ø x 24"	Fasteners	1	Tyton Hellermann
<input type="checkbox"/>	Helical Plastic Wire Wrap	1/4" Ø x 24"	Fasteners	1	Tyton Hellermann
<input type="checkbox"/>	Hex Nuts	1/4" I.D., 20 Pitch Coarse Threa	Misc Hardware	8	Fastenal Company
<input type="checkbox"/>	Magnet	1/4-20 Plastic Thread	Misc Hardware	2	Honeywell - Microswitch
<input type="checkbox"/>	Pivot	5/16" Ø	Misc Hardware	2	Stanley Hardware
<input type="checkbox"/>	Polyethylene grommet	1/16" x 24"	Fasteners	1	Tyton Hellermann
<input type="checkbox"/>	Polyethylene grommet	3/8" x 24"	Fasteners	1	Tyton Hellermann
<input type="checkbox"/>	Pulley With Fixed Eye	1" Ø, For 5/16" Rope	Sprockets & Pulleys	3	Stanley Hardware
<input type="checkbox"/>	Roller Guide	7/8" Ø x 1/4" Wheel	Misc Hardware	2	Stanley Hardware
<input type="checkbox"/>	Screen Door Holder	Zinc-Plated	Misc Hardware	1	Stanley Hardware
<input type="checkbox"/>	Snugger	Spring With Plastic Guide	Springs	2	Stanley Hardware
<input type="checkbox"/>	Spring Loaded Hinge/brass	4" x 4", 30 in/lb Maximum	Springs	1	Stanley Hardware
<input type="checkbox"/>	Spring Loaded Hinge/gray	4" x 4", 30 in/lb Maximum	Springs	1	Stanley Hardware
<input type="checkbox"/>	Torsion Spring, Left Hand	270 Degrees, 0.664" Dia	Springs	2	Associated Spring Raymond
<input type="checkbox"/>	Torsion Spring, Right Hand	270 Degrees, 0.664" Dia	Springs	2	Associated Spring Raymond

Gray Container - Loose

√	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	1 Conductor Wire	10', #6 AWG, Black	Control System	1	BICC General
<input type="checkbox"/>	1 Conductor Wire	10', #6 AWG, Red	Control System	1	Pioneer Packard
<input type="checkbox"/>	1 Conductor Wire	35', #10 AWG, Black	Control System	1	BICC General
<input type="checkbox"/>	1 Conductor Wire	35', #10 AWG, Red	Control System	1	BICC General
<input type="checkbox"/>	2 Conductor Jacketed Wire	30', #24 AWG	Control System	1	BICC General
<input type="checkbox"/>	2 Conductor Jacketed Wire	35', #16 AWG	Control System	1	BICC General
<input type="checkbox"/>	3 Conductor Shielded Wire	30', #24 AWG	Control System	1	BICC General
<input type="checkbox"/>	5 Minute Epoxy Gel	Resealable 1 oz. Dual Syringe	Fasteners	1	Kaman Industrial Technologies
<input type="checkbox"/>	Aluminum Plate	1/4" x 3" x 12"	Sheets & Boards	1	Cohen Steel Supply Inc.
<input type="checkbox"/>	Carpet Sample	12" x 12", 20 oz., Closed Loop	Other	1	FIRST
<input type="checkbox"/>	Caster, W/ Bolt Hole Mount	165 Pounds, swivel	Misc Hardware	2	WT Hight company

Kit Parts Checklist

<input type="checkbox"/>	Channel For Tape Drive	28" Long	Misc Hardware	4	Delphi Interior and Lighting
<input type="checkbox"/>	Co-Polymer Gutter Guard	6" x 24"	Other	1	Home Depot
<input type="checkbox"/>	Fisher-Price 10 Web Jeep Driver	Black	Motors & Pumps	2	Fisher-Price, Inc.
<input type="checkbox"/>	Fisher-Price Axle	7/16" \varnothing x 26"	Motors & Pumps	1	Fisher-Price, Inc.
<input type="checkbox"/>	Fisher-Price Motor/Gearbox	two 12 Vdc motors, switches	Motors & Pumps	1	Fisher-Price, Inc.
<input type="checkbox"/>	Folding Table Leg Brace, Left Hand	Heavy Duty Leg Brace	Other	1	Stanley Hardware
<input type="checkbox"/>	Folding Table Leg Brace, Right Hand	Heavy Duty Leg Brace	Other	1	Stanley Hardware
<input type="checkbox"/>	Globe Motor with Drive Assembly	12Vdc	Motors & Pumps	2	Globe Motors
<input type="checkbox"/>	HDPE Block	1" x 2" x 6"	Sheets & Boards	1	Plastic Supply
<input type="checkbox"/>	Kee Klamp Pipe Fitting Catalog		Documentation	1	Kee Industrial Products
<input type="checkbox"/>	Latex Tubing	1/4" I.D., 3/8" O.D., 5'	Springs	1	Gulf South Medical Supply
<input type="checkbox"/>	LDPE Rod	1" \varnothing x 24"	Rods & Shafts	1	Plastic Supply Inc.
<input type="checkbox"/>	Lead Screw	12" Long	Rods & Shafts	1	Kerk Motion Products, Inc.
<input type="checkbox"/>	Lower Channel for Seat Positioning Unit	2.25" x 17" Channel	Misc Hardware	1	Lear Corporation
<input type="checkbox"/>	Muffin Fan	12 Vdc	Control System	1	EBM Industries
<input type="checkbox"/>	Project Box	Black	Control System	1	Serpac
<input type="checkbox"/>	Seat Motor	12 Vdc	Motors & Pumps	2	Delphi Automotive
<input type="checkbox"/>	Small Parts Catalog		Documentation	6	Small Parts, Inc.
<input type="checkbox"/>	Van Door Motor - Tiagene	12 Vdc, 75 RPM	Motors & Pumps	2	Delphi Interior and Lighting
<input type="checkbox"/>	Wheelchair Wheel	6" \varnothing , 5/16" I.D. Bearings, 1-1/2"	Misc Hardware	2	Skyway Recreation Products
<input type="checkbox"/>	Wheelchair Wheel	8" \varnothing , 5/16" I.D. Bearings, 1-1/2"	Misc Hardware	2	Skyway Recreation Products
<input type="checkbox"/>	Yaw Rate Sensor		Control System	1	BEI Systron Donner

Gray Container - Seat Positioning Unit Bag

<input type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Flange Nut for Seat Positioning Unit	M6 x 1.0 Pitch	Misc Hardware	8	Lear Corporation
<input type="checkbox"/>	Flexible Motor Shaft	13.5" Long, Fits Seat Motor	Rods & Shafts	2	Grand Rapids Controls
<input type="checkbox"/>	Flexible Shaft Coupling	Black	Misc Hardware	2	DEKA
<input type="checkbox"/>	Hex Head Bolt for Seat Positioning Unit	M6 x 1.0 Pitch x 30mm	Misc Hardware	4	Lear Corporation
<input type="checkbox"/>	Horiz. Act. (L) for Seat Positioning Unit, Left	Natural Color	Misc Hardware	1	Lear Corporation
<input type="checkbox"/>	Horiz. Act. (R) for Seat Positioning Unit, Right	Black and Natural Color	Misc Hardware	1	Lear Corporation
<input type="checkbox"/>	Upper Channel for Seat Positioning Unit	1.3125" x 9.875" Channel with	Misc Hardware	2	Lear Corporation

Gray Container - Tube

<input type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Aluminum Rod	1/2" \varnothing x 24"	Rods & Shafts	2	Cohen Steel Supply Inc.
<input type="checkbox"/>	Delrin (Acetal) Rod	1/4" \varnothing x 20"	Rods & Shafts	1	Plastic Supply
<input type="checkbox"/>	Drill Rod	1/2" \varnothing x 18"	Rods & Shafts	2	Cohen Steel Supply Inc.
<input type="checkbox"/>	Drill Rod	1/4" \varnothing x 18"	Rods & Shafts	2	Cohen Steel Supply Inc.
<input type="checkbox"/>	Drill Rod	3/8" \varnothing x 18"	Rods & Shafts	2	Cohen Steel Supply Inc.
<input type="checkbox"/>	Drill Rod	5/16" \varnothing x 18"	Rods & Shafts	2	Cohen Steel Supply Inc.
<input type="checkbox"/>	Threaded Rod	1/4" \varnothing x 18", 20 Pitch Coarse	Rods & Shafts	1	McMaster-Carr Supply

Gray Container - Velcro Bag

<input type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Velcro 1" Hook & Loop Tape	36" Length, Adhesive Backing	Fasteners	1	Velcro USA, Inc.
<input type="checkbox"/>	Velcro 1" One Wrap Tape	24" Lengths, Black	Fasteners	1	Velcro USA, Inc.
<input type="checkbox"/>	Velcro 18" One Wrap grip tie	1"x18" grip tie, lemon	Fasteners	2	Velcro USA, Inc.
<input type="checkbox"/>	Velcro 5/8" One Wrap Tape	24" Lengths, Black	Fasteners	1	Velcro USA, Inc.
<input type="checkbox"/>	Velcro 8" One Wrap grip tie	1"x8" grip tie, Cranberry	Fasteners	10	Velcro USA, Inc.
<input type="checkbox"/>	Velcro grip tie	6"x 1"	Fasteners	2	Tyton Hellaermann

Kit Parts Checklist

<input type="checkbox"/>	Velcro Sticky Back Coins	5/8" Ø x 36" (48 sets)	Fasteners	1	Velcro USA, Inc.
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Gray Container - Window Lift Mechanism Bag

<input checked="" type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Window Lift Bracket, Left Hand	Color Natural	Misc Hardware	1	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Bracket, Right Hand	Color Natural	Misc Hardware	1	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Gear	Use with Window Tape,	Misc Hardware	2	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Guide Drive	Use with Guide, Channel,	Misc Hardware	8	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Guide, Left Hand	Attach to Triangular Mount,	Misc Hardware	1	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Guide, Right Hand	Attach to Triangular Mount,	Misc Hardware	1	Delphi Interior and Lighting
<input type="checkbox"/>	Window Lift Mechanism Tape	16' Length	Misc Hardware	1	Dymetrol Company, Inc.
<input type="checkbox"/>	Window Lift Triangular Mount	White, Window Lift Mechanism	Misc Hardware	2	St. Clair Plastics Company
<input type="checkbox"/>	Window Motor, Left Hand	12 Vdc, 12 Tooth Pinion, 16 pitch	Motors & Pumps	1	ITT Automotive
<input type="checkbox"/>	Window Motor, Right Hand	12 Vdc, 12 Tooth Pinion, 16 pitch	Motors & Pumps	1	ITT Automotive

Green Container - Drill Bag

<input checked="" type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	Drill Drive Assembly	225 in. lbs Maximum Torque	Motors & Pumps	2	S-B Power Tool Company
<input type="checkbox"/>	Drill Housing Cover	W/ Shift Lever	Misc Hardware	2	S-B Power Tool
<input type="checkbox"/>	Drill Housing Screws	#4 x 3/4, Pan Head - Phillips	Fasteners	10	Fastenal Company
<input type="checkbox"/>	Drill Motor	12 Vdc	Motors & Pumps	2	S-B Power Tool
<input type="checkbox"/>	Drill Motor Mounting Flange Fastening	M4 x 6mm, Button Head 19	Fasteners	4	Fastenal Company

Green Container - Electronics Bag

<input checked="" type="checkbox"/>	Part Name/Description	Dimensions	Category	Qty /Kit	Product Supplier
<input type="checkbox"/>	15 Pin Solder Cup Connector	DB15 Male	Control System	2	AMP Foundation
<input type="checkbox"/>	25 Pin Solder Cup Connector	DB25 Male	Control System	2	AMP Foundation
<input type="checkbox"/>	Battery Fuse	60 A, Maxi-Fuse	Control System	1	Bussmann
<input type="checkbox"/>	Battery Fuse Holder	Maxi-Fuse, 6 AWG leads	Control System	1	Bussmann
<input type="checkbox"/>	Cable Tie	7" x 0.09"	Fasteners	12	Thomas & Betts Corp.
<input type="checkbox"/>	Cable Tie Mounting Base	Self-Adhesive, #8 Holes	Fasteners	10	Thomas & Betts Corp.
<input type="checkbox"/>	Circuit Breaker For Motors	30 amp, 12 volt, Auto-Resetting	Control System	12	Snap-Action, Inc.
<input type="checkbox"/>	Diode	Max:1 Amp, 50V (peak rev.)	Control System	2	Brevan
<input type="checkbox"/>	Fuse Panel	ATC, 6 fuseable, 12 unfused	Control System	2	Bussmann
<input type="checkbox"/>	Heat Shrink Tubing	1/2"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Heat Shrink Tubing	1/4"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Heat Shrink Tubing	1/8"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Heat Shrink Tubing	3/16"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Heat Shrink Tubing	3/4"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Heat Shrink Tubing	3/8"Ø x 6", Black, 2:1 Shrink	Control System	1	Brevan
<input type="checkbox"/>	Knob for Potentiometer	1" Hexagon, Fits 1/4" Shaft	Control System	2	Radio Shack
<input type="checkbox"/>	LED, Panel Mount	Amber, 12V	Control System	4	Chicago Miniature Lamp, Inc.
<input type="checkbox"/>	LED, Panel Mount	Green, 12V	Control System	4	Chicago Miniature Lamp, Inc.
<input type="checkbox"/>	LED, Panel Mount	Red, 12V	Control System	4	Chicago Miniature Lamp, Inc.
<input type="checkbox"/>	Limit Switch		Control System	10	Honeywell - Microswitch
<input type="checkbox"/>	Momentary Rocker Switch		Control System	4	Honeywell - Microswitch
<input type="checkbox"/>	Muffin Fan (Tiny)	12 Vdc	Control System	3	EBM Industries
<input type="checkbox"/>	Plastic Shield for 25 Pin Connector	fits DB25 Connector	Control System	2	AMP Foundation
<input type="checkbox"/>	Potentiometer	100K Ω , Linear	Control System	6	Bourns, Inc.
<input type="checkbox"/>	PWM/Relay Cable	Hitec/JR-style, 36" Long	Control System	8	Innovation First
<input type="checkbox"/>	PWM/Relay Y Cable	Hitec/JR-style, 24" Long	Control System	2	Innovation First

Kit Parts Checklist

<input type="checkbox"/>	Reed Switch	Normally Open, Magnet	Control System	4	CP Clare
<input type="checkbox"/>	Ring Connector	# 10-12 Awg, #6 lug	Control System	20	Thomas & Betts Corp.
<input type="checkbox"/>	Ring Connector	# 14-16 Awg, #6 lug	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Ring Connector	# 22-26 Awg, #6 lug	Control System	20	Thomas & Betts Corp.
<input type="checkbox"/>	Ring Connector	# 6 Awg	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Rocker Switch Cover	Blue	Control System	1	Honeywell - Microswitch
<input type="checkbox"/>	Rocker Switch Cover	Green	Control System	1	Honeywell - Microswitch
<input type="checkbox"/>	Rocker Switch Cover	Red	Control System	1	Honeywell - Microswitch
<input type="checkbox"/>	Rocker Switch Cover	Yellow	Control System	1	Honeywell - Microswitch
<input type="checkbox"/>	Servo	42 oz. in. Peak, 0.19 s/60°	Control System	2	Hitec RCD, Inc.
<input type="checkbox"/>	Spade Connector	Female, 12-10 AWG, Yellow	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Spade Connector	Female, 16-14 AWG, Blue	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Spade Connector	Female, 22-18 AWG, Red	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Spade Connector	Male, 12-10 AWG, Yellow	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Spade Connector	Male, 16-14 AWG, Blue	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Spade Connector	Male, 22-18 AWG, Red	Control System	10	Thomas & Betts Corp.
<input type="checkbox"/>	Wire Nut	Wire Nut for Wire Sizes #18-10	Control System	10	Thomas & Betts Corp.

Green Container - Loose

<input checked="" type="checkbox"/>	<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Category</u>	<u>Qty /Kit</u>	<u>Product Supplier</u>
<input type="checkbox"/>	15 Pin Molded Cable	DB15 pin M-F, 6 feet	Control System	2	Innovation First
<input type="checkbox"/>	9 Pin Cable	DB9 Male to Female, 6'	Control System	4	Innovation First
<input type="checkbox"/>	Anderson Power Products Catalog	Catalog	Control System	1	Anderson Power Products
<input type="checkbox"/>	BASIC Stamp Programming Disk	CD-ROM	Documentation	1	Parallax, Inc.
<input type="checkbox"/>	BASIC Stamp Programming Manual		Documentation	1	Parallax, Inc.
<input type="checkbox"/>	Battery	12 volt	Control System	2	Exide
<input type="checkbox"/>	Battery Charger	Sealed Lead Acid Battery, 4 am	Control System	1	Xenotrix
<input type="checkbox"/>	Connector for Seat Motor	2 pin, 16 AWG x 12" cable	Control System	2	Delphi Packard Electric
<input type="checkbox"/>	Connector for Window Motor	2 pin, 16 AWG x 12" cable	Control System	2	Delphi Packard Electric
<input type="checkbox"/>	Connector for Yaw Rate Sensor	3 pin, 24 AWG x 12" cable	Control System	1	Delphi Packard Electric
<input type="checkbox"/>	Crimping Tool for Spade/Ring Connectors	Orange/Black Color	Tool	1	Thomas & Betts Corp.
<input type="checkbox"/>	Drill Housing	T-Handle Style Grip, Left/Right	Motors & Pumps	2	S-B Power Tool
<input type="checkbox"/>	Flightstick Joystick	7" Cable with Male DB15	Control System	2	CH Products
<input type="checkbox"/>	Operator Interface		Control System	1	Innovation First
<input type="checkbox"/>	Power Supply for Operator Interface	9 Vdc	Control System	1	Innovation First
<input type="checkbox"/>	Quick-Disconnect Power Connector	#6 AWG Red/Black Wire	Control System	2	Anderson Power Products
<input type="checkbox"/>	Radio Modem for Operator Interface	RS-422, 9 pin F, metal antenna	Control System	1	Innovation First
<input type="checkbox"/>	Radio Modem for Robot Controller	RS-422, 9 pin F, rubber antenna	Control System	1	Innovation First
<input type="checkbox"/>	Relay Module (Spike)	12V, 20A Max	Control System	4	Innovation First
<input type="checkbox"/>	Robot Controller		Control System	1	Innovation First
<input type="checkbox"/>	Speed Controller (Victor 883)		Control System	4	Innovation First
<input type="checkbox"/>	Tri-lens Revolving Light	Light w/ red and blue domes	Control System	1	North American Signal

Kick Off

<input checked="" type="checkbox"/>	<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Category</u>	<u>Qty /Kit</u>	<u>Product Supplier</u>
<input type="checkbox"/>	The 2000 FIRST Robotics Competition		Documentation	1	FIRST

Vendor will drop ship to teams

<input checked="" type="checkbox"/>	<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Category</u>	<u>Qty /Kit</u>	<u>Product Supplier</u>
<input type="checkbox"/>	Pneumatic Training Manual CD		Documentation	1	SMC Pneumatics, Inc.
<input type="checkbox"/>	Pneumatics Bag		Other	1	SMC