

THE COMPETITION MANUAL -1998

List of Components

Bearings

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
2 Bolt Self Aligning Flange	Fits 1/2" Bearing	Gray Container - Bearing Bag	8	The Torrington Company
Radial Ball Bearing With Sphenical O.D.	1/2" I.D., Self Locking Collar	Gray Container - Bearing Bag	4	The Torrington Company
Single Row Radial Flanged Ball Bearing	1/4" I.D.	Gray Container - Bearing Bag	4	The Torrington Company
Single Row Radial Flanged Ball Bearing	3/8" I.D.	Gray Container - Bearing Bag	4	The Torrington Company
Window Motor Bushing	5/16" I.D. x 1/2" Long	Green Container - Miscellaneous Bag	1	Stock Drive Products

Control System

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
2 Conductor Jacketed Wire	30', #24 AWG	Gray Container - Loose	1	General Cable Company Inc.
2 Conductor Jacketed Wire	35', #16 AWG	Gray Container - Loose	1	General Cable Company Inc.
2 Pin Logic Power Connector	Black, European Style Header	Green Container - Electronics Bag	1	Thomas & Betts Corp.
25 Pin Cable	DB25 Male to Female, 6', Shielded	Green Container - Loose	1	Brevan Electronics
25 Pin Male D-Sub Solder Cup Connector	25 Pin Male D-Sub Solder Cup	Green Container - Electronics Bag	2	AMP Incorporated
3 Conductor Shielded Wire	30', #24 AWG	Gray Container - Loose	1	General Cable Company Inc.
8 Pin Relay Output Connector	Black, 8 Position European Style Header	Green Container - Electronics Bag	2	Thomas & Betts Corp.
9 - 15 Pin Cable	3' Long, DB9 Female to HDB 15 Male	Green Container - Miscellaneous Bag	2	Brevan Electronics
9 Pin Cable	DB9 Male to Female, 6', Shielded	Green Container - Loose	3	Brevan Electronics
Antenna, Helical UHF	3' Long	Kick Off Check Out	2	Motorola
Battery Box	Fits Sealed Lead Acid Battery	Green Container - Loose	1	Associated Power Products
Battery Charger	For Sealed Lead Acid Battery	Green Container - Loose	1	Associated Power Products
Battery Fuse		Green Container - Miscellaneous Bag	1	FIRST
Battery Fuse Holder	For Battery Fuse	Green Container - Miscellaneous Bag	1	FIRST

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Battery, Sealed Lead Acid	12 Vdc. 18 Amp Hours	Green Container - Loose	2	Associated Power Products
Battery Terminal Mounting Bolt	3/16" Ø x 1/2" Long	Green Container - Miscellaneous Bag	2	Aubin Hardware
Battery Terminal Mounting Nut	3/16" Ø. Self Locking	Green Container - Miscellaneous Bag	2	Aubin Hardware
BNC Bulkhead Connector	BNC Male to Male	Green Container - Miscellaneous Bag	1	FIRST
BNC Coax Cable	BNC Female to Female	Green Container - Miscellaneous Bag	2	FIRST
Circuit Breaker For Motors	30 amp, 12 volt, Auto-Resetting	Green Container - Electronics Bag	4	Snap-Action, Inc.
Diode	1 Amp, Maximum	Green Container - Electronics Bag	2	Digi-Key
Flightstick Joystick	7' Cable with Male DB15	Green Container - Loose	2	CH Products
Ground Plane Assembly	12" x 12" with BNC Connector	Gray Container - Loose	1	FIRST
Heat Shrink Tubing	1/4"Ø x 15", Black, 2:1 Shrink Ratio RNF100	Green Container - Electronics Bag	1	Raychem Corporation
Heat Shrink Tubing	1/8"Ø x 24", Black, 2:1 Shrink Ratio RNF100	Green Container - Electronics Bag	1	Raychem Corporation
Heat Shrink Tubing	3/8"Ø x 15", Black, 2:1 Shrink Ratio RNF100.	Green Container - Electronics Bag	1	Raychem Corporation
Knob for Potentiometer	1" Hexagon. Fits 1/4" Shaft	Green Container - Miscellaneous Bag	2	Radio Shack
LED	Yellow	Green Container - Miscellaneous Bag	1	Brevan Electronics
Limit Switch		Green Container - Electronics Bag	10	Honeywell - Microswitch Division
Lug for Battery	10 AWG, 3/16" I.D. Bolt Hole	Green Container - Miscellaneous Bag	4	Newark Electronics
Muffin Fan	12 Vdc	Green Container - Loose	1	EBM Industries
Optical Sensor	Miniature DC Sensor	Green Container - Miscellaneous Bag	2	Honeywell - Microswitch Division
Potentiometer	100KΩ. Linear	Green Container - Electronics Bag	4	Bourns, Inc.
Power Supply	9 Vdc. 1.0 Amp max	Green Container - Loose	1	Golden Pacific Electronics, Inc.
Project Box	Black	Green Container - Loose	1	Serpac

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Receiver	2.25" x 5.75" x 8.75"	Green Container - Loose	1	FIRST
Reed Switch	Normally Open, Magnet Activated	Green Container - Electronics Bag	4	CP Clare
RNet 9600ssim, Programmable	High Density DB15 Female	Kick Off Check Out	2	Motorola
Rocker Switch	Black	Green Container - Electronics Bag	8	Honeywell - Microswitch Division
Rocker Switch Cover	Black	Green Container - Electronics Bag	1	Honeywell - Microswitch Division
Rocker Switch Cover	Blue	Green Container - Electronics Bag	2	Honeywell - Microswitch Division
Rocker Switch Cover	Green	Green Container - Electronics Bag	1	Honeywell - Microswitch Division
Rocker Switch Cover	Red	Green Container - Electronics Bag	2	Honeywell - Microswitch Division
Rocker Switch Cover	White	Green Container - Electronics Bag	1	Honeywell - Microswitch Division
Rocker Switch Cover	Yellow	Green Container - Electronics Bag	1	Honeywell - Microswitch Division
Servo	Hitec/JR-style Connector, 42 oz. in.	Green Container - Electronics Bag	2	Hitec RCD, Inc.
Servo Extension Cable	Hitec/JR-style, 36" Long	Green Container - Electronics Bag	4	Hitec RCD, Inc.
Servo Y Cable	Hitec/JR-style, 24" Long	Green Container - Electronics Bag	2	Hitec RCD, Inc.
Spade Connector	Female, 12-10 AWG, Yellow	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Spade Connector	Female, 16-14 AWG, Blue	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Spade Connector	Female, 22-18 AWG, Red	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Spade Connector	Male, 12-10 AWG, Yellow	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Spade Connector	Male, 16-14 AWG, Blue	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Spade Connector	Male, 22-18 AWG, Red	Green Container - Electronics Bag	20	Thomas & Betts Corp.
Speed Controller	7.2 - 12 Vdc, Reversing	Green Container - Loose	4	Tekin Electronics, Inc.
Terminal Strip	Tubular, Double Screw Terminal Strip (7 slots)	Green Container - Electronics Bag	4	Thomas & Betts Corp.

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Tether Adaptor	Black DB9 Female-Female Connector	Green Container - Miscellaneous Bag	1	Brevan Electronics
Thermo-Plastic Shield for 25 Pin Connector	25 Pin Connector	Green Container - Electronics Bag	1	AMP Incorporated
Transmitter	1.75" x 5.50" x 7.50"	Green Container - Loose	1	FIRST
Window Lift Mechanism Washer	Fits over Flanged Bushing	Green Container - Miscellaneous Bag	2	Aubin Hardware
Wire	35', #10 AWG, Black	Gray Container - Loose	1	General Cable Company Inc.
Wire	35', #10 AWG, Red	Gray Container - Loose	1	General Cable Company Inc.
Wire Nut	Wire Nut for Wire Sizes #18-10 AWG	Green Container - Electronics Bag	10	Thomas & Betts Corp.
Wiring Harness For Receiver Relay Power Connector	1', #10 AWG, Red and Black	Gray Container - Loose	1	Nova Biomedical/Amp Inc.
Wiring Harness For Seat Motor	5', #16 AWG	Gray Container - Loose	2	Nova Biomedical/Pioneer
Wiring Harness For Window Motor	5', #16 AWG	Gray Container - Loose	2	Nova Biomedical/Pioneer

Documentation

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
BASIC Stamp Programming Disk	3.5" HD Floppy	Green Container - Electronics Bag	1	Parallax, Inc.
BASIC Stamp Programming Manual	Version 1.8	Green Container - Loose	1	Parallax, Inc.
Battery Technical Handbook		Gray Container - Loose	1	Associated Power Products
Control Program Source Code - 1998	3.5" HD Floppy	Green Container - Electronics Bag	1	FIRST
Kee Klamp Pipe Fitting Catalog		Gray Container - Loose	2	Kee Industrial Products
Operation & Maintenance Manual for the Pneumatic Pump	For the Pneumatic Pump	Green Container - Loose	1	Gast Manufacturing Corp.
Pneumatic Training Manual		Green Container - Loose	1	SMC Pneumatics, Inc.
Small Parts Catalog	Catalog No. 18W	Gray Container - Loose	4	Small Parts, Inc.

Fasteners

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
5 Minute Epoxy Gel	Resealable 1 oz. Dual Syringe	Gray Container - Hardware Bag	1	McMaster-Carr Supply Company

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Cable Tie	11" x 0.14"	Gray Container - Hardware Bag	20	Thomas & Betts Corp.
Cable Tie	8" x 0.09"	Gray Container - Hardware Bag	20	Thomas & Betts Corp.
Cable Tie Mounting Base	Self-Adhesive. Holes For #8 Screws	Gray Container - Hardware Bag	25	Thomas & Betts Corp.
Helical Plastic Wire Wrap	1/4" Ø x 24"	Gray Container - Hardware Bag	1	McMaster-Carr Supply Company
Velcro 1" Hook & Loop Tape (No Adhesive Backing)	18" Lengths	Green Container - Velcro Bag	1	Velcro USA, Inc.
Velcro 1" Hook & Loop Tape (W/ Adhesive backing)	18" Lengths	Green Container - Velcro Bag	1	Velcro USA, Inc.
Velcro 1" One WrapTape	18" Lengths, Red	Green Container - Velcro Bag	1	Velcro USA, Inc.
Velcro 5/8" One WrapTape	60" Lengths, Black	Green Container - Velcro Bag	1	Velcro USA, Inc.
Velcro Sticky Back Coins	5/8" Ø, 15 Sets Per Pack	Green Container - Velcro Bag	15	Velcro USA, Inc.

Field Components

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Ball	24", Blue	Green Container - Loose	1	Sports Fun

Motors & Pumps

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Capacitor, Drive Motor Noise Suppression	0.1 µF, 50 V Ceramic Molded Radial	Green Container - Electronics Bag	6	KEMET Electronics Corporation
Drill Gearbox	225 in. lbs Maximum Torque	Green Container - Drill Bag	2	S-B Power Tool
Drill Housing, Left and Right with Shift Lever	T-Handle Style Grip	Green Container - Drill Bag	2	S-B Power Tool
Drill Housing Screws	Pan Head	Green Container - Drill Bag	16	Fastenal Company
Drill Motor	12 Vdc	Green Container - Drill Bag	2	S-B Power Tool
Gear	Use with Window Tape, Window Lift Mechanism	Gray Container - Window Lift Mechanism Bag	2	Delphi Interior and Lighting Systems
Guide Drive	Use with Guide, Channel, Window Tape	Gray Container - Window Lift Mechanism Bag	8	Delphi Interior and Lighting Systems
Guide, Left Hand	Attach to Triangular Mount, Window Lift	Gray Container - Window Lift Mechanism Bag	1	Delphi Interior and Lighting Systems
Guide, Right Hand	Attach to Triangular Mount, Window Lift	Gray Container - Window Lift Mechanism Bag	1	Delphi Interior and Lighting Systems

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Seat Motor	12 Vdc	Gray Container - Loose	2	ITT Automotive
Triangular Mount	White, Window Lift Mechanism	Gray Container - Window Lift Mechanism Bag	2	Delphi Interior and Lighting Systems
Van Door Motor	12 Vdc, 265 in. lbs at 50 Amps	Gray Container - Seat Positioning Unit Bag	2	Delphi Interior and Lighting Systems

Other

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Carpet Sample	12" x 12", 20 oz., Closed Loop	Gray Container - Loose	1	FIRST
Co-Polymer Gutter Guard	6" x 24"	Gray Container - Loose	1	Home Depot
Folding Table Leg Brace, Left Hand	Heavy Duty Leg Brace	Gray Container - Loose	1	Stanley Hardware
Folding Table Leg Brace, Right Hand	Heavy Duty Leg Brace	Gray Container - Loose	1	Stanley Hardware

Pneumatics

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Adaptor Fitting For Pressure Switch	1/4" NPT Female to 1/8" Barb, Assembly	Green Container - Pneumatics Bag	1	Numatic, Inc.
Air Cylinder	1-1/16" dia. Bore, Rear Pivot, 4" Stroke	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Air Cylinder	3/8" dia. Bore, Double Clevis, 6" Stroke	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Air Filter for the Pneumatic Pump	For the Pneumatic Pump	Green Container - Pneumatics Bag	1	Gast Manufacturing Corp.
Barbed T-Connector	1/8" Ø Barbs	Green Container - Pneumatics Bag	2	Value Plastics, Inc.
Check Valve	1/8" Ø Barbs 75 max. psi	Green Container - Pneumatics Bag	2	Air Logic
Double Solenoid Valve	12 Vdc, 2 Position, 5 Port Base	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Kent™ Connect Fitting, Barbed Female Adaptor	1/4" Ø	Green Container - Pneumatics Bag	1	Value Plastics, Inc.
Kent™ Connect Fitting, Barbed Female Adaptor	1/8" Barb	Green Container - Pneumatics Bag	6	Value Plastics, Inc.
Kent™ Connect Fitting, Barbed Male Adaptor	1/4" Ø	Green Container - Pneumatics Bag	2	Value Plastics, Inc.
Kent™ Connect Fitting, Flanged Male Plug	For Fittings	Green Container - Pneumatics Bag	1	Value Plastics, Inc.
Kent™ Connect Fitting, Manifold	4 Port	Green Container - Pneumatics Bag	1	Value Plastics, Inc.

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Kent™ Connect Fitting, Open Flow	Female Side to 1/4" Ø PTF	Green Container - Pneumatics Bag	2	Value Plastics, Inc.
Kent™ Connect Fitting, Recessed Male Plug	Use with Manifold	Green Container - Pneumatics Bag	1	Value Plastics, Inc.
Kent™ Connect Fitting, Rotating Barbed Male Adaptor	1/8" Ø	Green Container - Pneumatics Bag	1	Value Plastics, Inc.
Kent™ Connector Fitting, Barbed Male Adaptor	1/8" Ø	Green Container - Pneumatics Bag	7	Value Plastics, Inc.
One Touch Fitting	Bulkhead Union, 1/2-20	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
One Touch Fitting	Male Elbow, 1/8" NPT	Green Container - Pneumatics Bag	3	SMC Pneumatics, Inc.
One Touch Fitting	Male Elbow, 10-32 UNF	Green Container - Pneumatics Bag	8	SMC Pneumatics, Inc.
One Touch Fitting	Straight Union Fitting, 1/8 NPT	Green Container - Pneumatics Bag	3	SMC Pneumatics, Inc.
One Touch Fitting	Straight Union Fitting, 10-32 UNF	Green Container - Pneumatics Bag	8	SMC Pneumatics, Inc.
One Touch Fitting	Union Tee	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Plug For Valves	M5 X 0.8 Pitch	Green Container - Pneumatics Bag	2	SMC Pneumatics, Inc.
Polyurethane Tubing	3/16" I.D., 5/16" O.D. x 4', Clear	Green Container - Pneumatics Bag	1	Value Plastics, Inc.
Polyurethane Tubing	4mm OD, Blue, 10m Bundle	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Pressure Switch	1/4" NPT Male Thread	Green Container - Pneumatics Bag	2	Numatics, Inc.
Pump	Diaphragm Pump, 1/8HP, 12VDC, 30psi, 1.3 CFM	Green Container - Loose	1	Gast Manufacturing Corp.
Single Solenoid Valve	12 Vdc, 2 Position, 5 Port Base	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Vacuum Injector	Light Weight, High Density, Resin Body	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Vacuum Pad	Suction Cup	Green Container - Pneumatics Bag	1	SMC Pneumatics, Inc.
Volume Chamber	Approximately 1 liter, 1/4" NPTF Ports	Green Container - Loose	1	Numatics, Inc.

Rods & Shafts

Part Name/Description	Dimensions	Location	Qty/Kit	Product Supplier
Aluminum Rod	2" O x 24"	Gray Container - Tube	2	Cohen Steel Supply Inc.

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Brazing Rod	1/16" Ø x 18"	Gray Container - Tube	6	McMaster-Carr Supply Company
Brazing Rod	1/8" Ø x 18"	Gray Container - Tube	2	McMaster-Carr Supply Company
Delrin (Acetal) Rod	1/4" Ø x 20"	Gray Container - Tube	1	McMaster-Carr Supply Company
Drill Rod	1/2" Ø x 18"	Gray Container - Tube	2	Cohen Steel Supply Inc.
Drill Rod	1/4" Ø x 18"	Gray Container - Tube	2	Cohen Steel Supply Inc.
Drill Rod	3/8" Ø x 18"	Gray Container - Tube	2	Cohen Steel Supply Inc.
Drill Rod	5/16" Ø x 18"	Gray Container - Tube	2	Cohen Steel Supply Inc.
Flexible Motor Shaft	13.5" Long, Fits Seat Motor	Gray Container - Loose	4	Grand Rapids Controls
LDPE Rod	1" Ø x 24"	Gray Container - Tube	1	Plastic Supply Inc.
Lead Screw	18.75" Long	Gray Container - Loose	1	Kerk Motion Products, Inc.
Threaded Rod	1/4" Ø x 24", 20 Pitch Coarse Thread, Alloy	Gray Container - Tube	1	McMaster-Carr Supply Company

Sheets & Boards

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Aluminum Plate	1/4" x 3" x 12"	Gray Container - Loose	1	Cohen Steel Supply Inc.
HDPE Block	1" x 2" x 6"	Gray Container - Loose	1	McMaster-Carr Supply Company
Polycarbonate Sheet	1/16" x 12" x 12"	Gray Container - Loose	1	Plastic Supply Inc.
Rubber Sheet, Black	3/32" x 6" x 9"	Gray Container - Loose	1	McMaster-Carr Supply Company
Rubber Sheet, Red	1/16" x 6" x 18"	Gray Container - Loose	1	McMaster-Carr Supply Company

Small Parts

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Channel For Tape Drive	30" Long	Gray Container - Loose	4	Delphi Interior and Lighting Systems
Double Magnet Cabinet Catch		Gray Container - Hardware Bag	1	Stanley Hardware
Flange Nut for Seat Positioning Unit	.16 x 1.0 Pitch	Gray Container - Seat Positioning Unit Bag	8	Delphi Interior and Lighting Systems

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Flat Washers	1/4" I.D., 7/8" O.D.	Gray Container - Hardware Bag	4	Fastenal Company
Flexible Shaft Coupling	Black	Gray Container - Hardware Bag	2	DEKA
Folding Table Brace	9-1/2" Brass plated	Gray Container - Hardware Bag	1	Stanley Hardware
Gate Latch	Steel/Zinc Plated	Gray Container - Hardware Bag	1	Stanley Hardware
Hex Head Bolt for Seat Positioning Unit	M6 x 1.0 Pitch x 30mm	Gray Container - Seat Positioning Unit Bag	4	Delphi Interior and Lighting Systems
Hex Nuts	1/4" I.D., 20 Pitch Coarse Thread	Gray Container - Hardware Bag	8	Fastenal Company
Horiz. Act. for Seat Positioning Unit, Left Hand	Natural Color	Gray Container - Seat Positioning Unit Bag	1	Delphi Interior and Lighting Systems
Horiz. Act. for Seat Positioning Unit, Right Hand	Black and Natural Color	Gray Container - Seat Positioning Unit Bag	1	Delphi Interior and Lighting Systems
Lower Channel for Seat Positioning Unit	2.25" x 17" Channel	Gray Container - Loose	2	Delphi Interior and Lighting Systems
Magnet	1/4-20 Plastic Thread	Gray Container - Hardware Bag	4	Honeywell - Microswitch Division
Pivot	5/16" Ø	Gray Container - Hardware Bag	2	Stanley Hardware
Roller Guide	7/8" Ø x 1/4" Wheel	Gray Container - Hardware Bag	2	Stanley Hardware
Screen Door Catch	Zinc-Plated	Gray Container - Hardware Bag	1	Stanley Hardware
Seat Recliner Actuator Assembly, Left Hand	9" Tube with Actuator	Gray Container - Loose	1	Excellence Manufacturing, Inc.
Seat Recliner Actuator Assembly, Right Hand	9" Tube with Actuator	Gray Container - Loose	1	Excellence Manufacturing, Inc.
Trantorque Coupling	3/8" I.D., 3/4" O.D.	Gray Container - Hardware Bag	2	Small Parts, Inc.
Upper Channel for Seat Positioning Unit	1.3125" x 9.875" Channel with Gear Rack	Gray Container - Seat Positioning Unit Bag	2	Delphi Interior and Lighting Systems
Wheelchair Wheel	6" Ø, 5/16" I.D. Bearings, 1-1/2" Wide Flange	Gray Container - Loose	2	Skyway Recreation Products
Wheelchair Wheel	8" Ø, 5/16" I.D. Bearings, 1-1/2" Wide Flange	Gray Container - Loose	2	Skyway Recreation Products
Window Lift Bracket, Left Hand	Color Natural	Gray Container - Window Lift Mechanism Bag	1	Delphi Interior and Lighting Systems
Window Lift Bracket, Right Hand	Color Natural	Gray Container - Window Lift Mechanism Bag	1	Delphi Interior and Lighting Systems

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Window Lift Mechanism Tape	16' Length	Gray Container - Window Lift Mechanism Bag	1	Dymetrol Company, Inc.
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Springs

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Compression Spring	0.600" O.D. x 3" Long x 0.059" Wire Diameter	Gray Container - Hardware Bag	2	Associated Spring Raymond
Constant Force Spring, Medium	0.85" I.D.	Gray Container - Hardware Bag	2	Associated Spring Raymond
Constant Force Spring, Small	0.56" I.D.	Gray Container - Hardware Bag	2	Associated Spring Raymond
Latex Tubing	1/4" I.D., 3/8" O.D., 5'	Green Container - Loose	1	Gulf South Medical Supply
Small Extension Spring	0.500" O.D. x 2.875-3.000" Long x	Gray Container - Hardware Bag	2	Associated Spring Raymond
Snugger	Spring With Plastic Guide	Gray Container - Hardware Bag	2	Stanley Hardware
Spring Loaded Hinge	4" x 4", 30 in/lb Maximum	Gray Container - Hardware Bag	2	Stanley Hardware
Torsion Spring, Left Hand	180 Degrees. 500" Dia, 0.063" Wire Diameter	Gray Container - Hardware Bag	1	Associated Spring Raymond
Torsion Spring, Right Hand	180 Degrees. 500" Dia, 0.063" Wire Diameter	Gray Container - Hardware Bag	1	Associated Spring Raymond

Sprockets & Pulleys

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Pulley With Fixed Eye	1" Ø, For 5/16" Rope	Gray Container - Hardware Bag	3	Stanley Hardware

Tool

<u>Part Name/Description</u>	<u>Dimensions</u>	<u>Location</u>	<u>Qty/Kit</u>	<u>Product Supplier</u>
Crimping Tool for Spade Connectors	Orange Color	Green Container - Electronics Bag	1	Thomas & Betts Corp.