



SNOW PLOW

STRAIGHT-BLADE

STANDARD-DUTY, SUPER-DUTY & MUNICIPAL STRAIGHT-BLADE PLOWS

PARTS EXPLOSION

2017-2018



WELDMENTS		
1	Coupler Assembly w/Pins Only (Super Duty)	CPA04689
	Coupler Assembly w/Pins Only (Heavy Duty)	CPA07964
	Coupler Assembly w/Pins Only (D-Force)	CPA07964
2	Pushframe Assembly (Super Duty)	STB04190-03
	Pushframe Assembly (Heavy Duty)	TPR07554-03
3	Pushframe Attachment Bar (Super Duty)	STB04180-03
	Pushframe Attachment Bar (Heavy Duty)	STB07547-03

BLADES (WITH CUTTING EDGES)		
4	Blade (76" Standard Duty Steel)	STB03165
	Blade (76" Super Duty Steel)	STB03262
	Poly Skin (76" Standard Duty)	STB03261
	Blade (76" Super Duty Steel)	STB03166
	Blade (76" Super Duty Poly)	STB18560
	Poly Skin (76" Super Duty)	STB18512
	Blade (80" Super Duty Steel)	STB03167
	Blade (80" Super Duty Poly)	STB03266
	Poly Skin (80" Super Duty)	STB18522
	Blade (86" Super Duty Steel)	STB03168
	Blade (90" Super Duty Steel)	STB03236
	Blade (100" Heavy Duty Steel)	STB07738
	Blade (90" Heavy Duty Steel)	STB16250

CUTTING EDGES		
5	Cutting Edge (76" Standard Duty)	STB03071
	Cutting Edge (Poly 76" Standard Duty)	STB03071
	Cutting Edge (76" Super Duty)	STB03002
	Cutting Edge (80" Super Duty)	STB03003
	Cutting Edge (Poly 80" Super Duty)	STB03003
	Cutting Edge (80" Super Duty XT)	STB04013-03
	Cutting Edge (86" Super Duty)	STB03072
	Cutting Edge (86" Super Duty XT)	STB00318-03
	Cutting Edge (90" Super Duty)	STB03242
	Cutting Edge (90" Super Duty XT)	STB00319-03
	Cutting Edge (100" Heavy Duty)	STB16234
	Cutting Edge (10" Heavy Duty) (for 5/8" bolts)	STB07537
6A	Carriage Bolt Set (Standard Duty & Super Duty)	BAX00034
6B	Includes: (10) Carriage Bolt 1/2" - 13 X 1-3/4" GR5	
6C	(10) Washer, 1/2" Hardened	
	(10) Nut, 1/2" Oval Top Lock	
	Carriage Bolt Set (Super Duty XT & Heavy Duty)	BAX00096
	Includes: (10) Carriage Bolt 5/8" - 11 X 2" GR5	
	(10) Washer, 5/8" Hardened	
	(10) Nut, 5/8" Oval Top Lock	

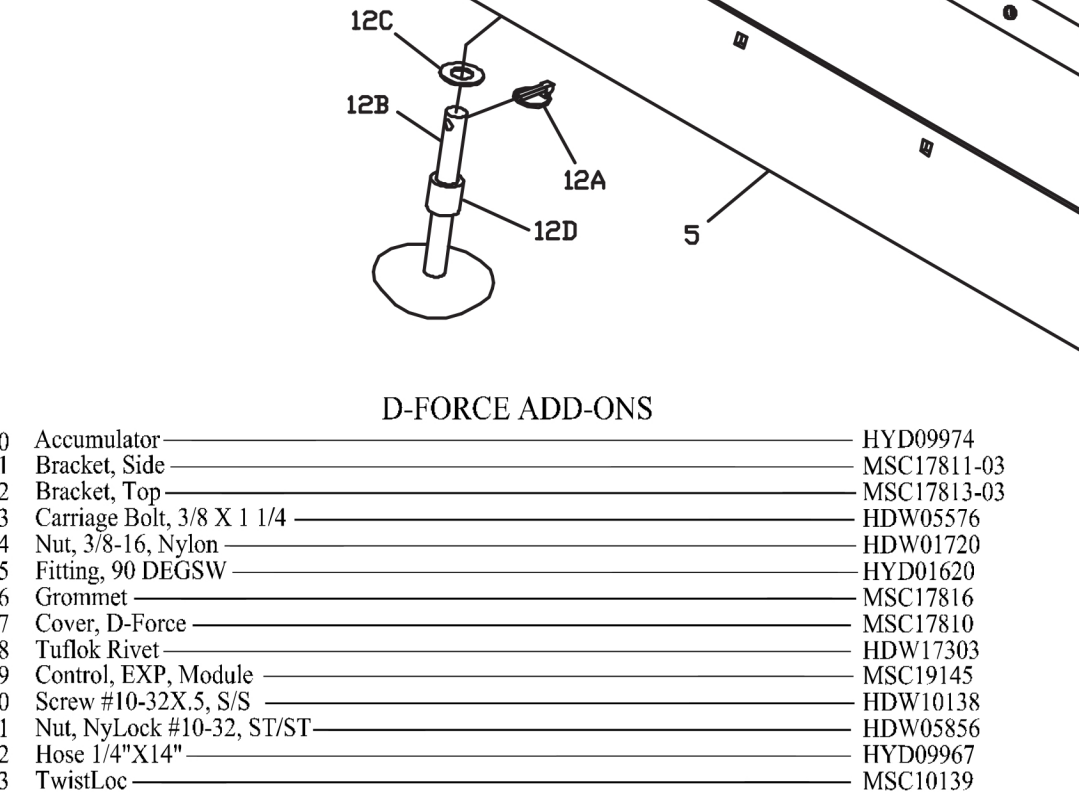
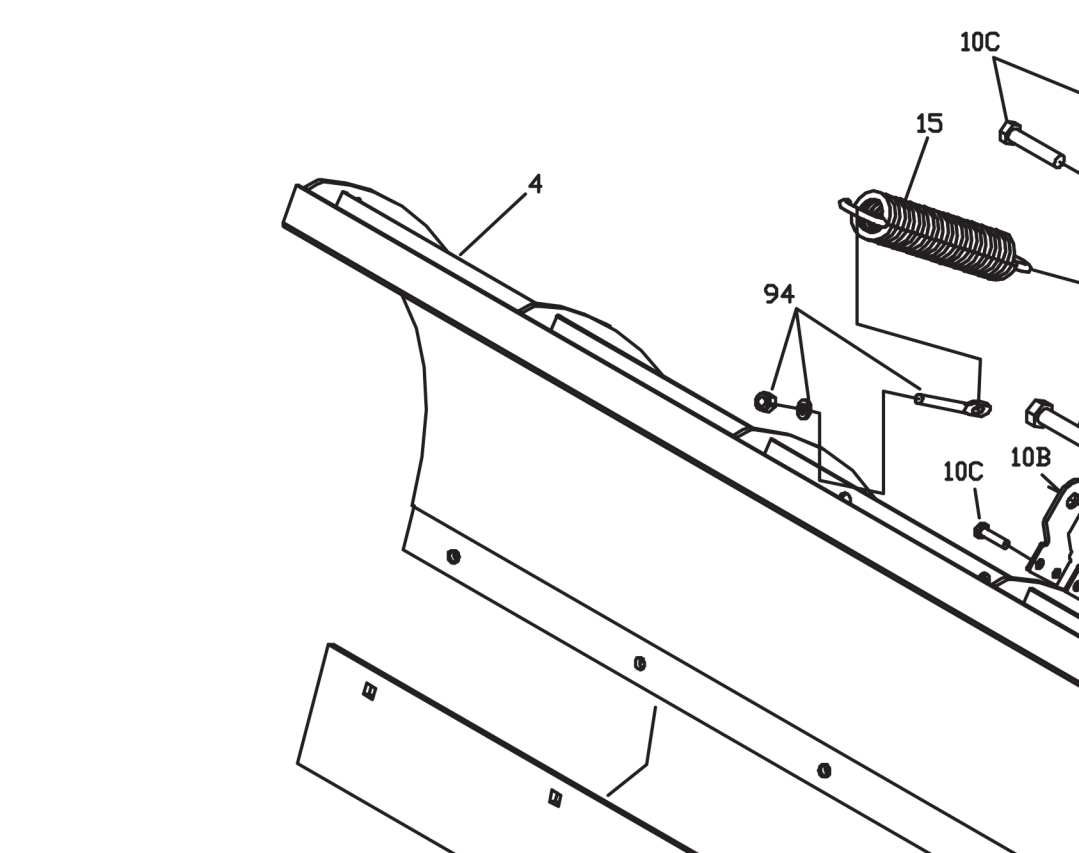
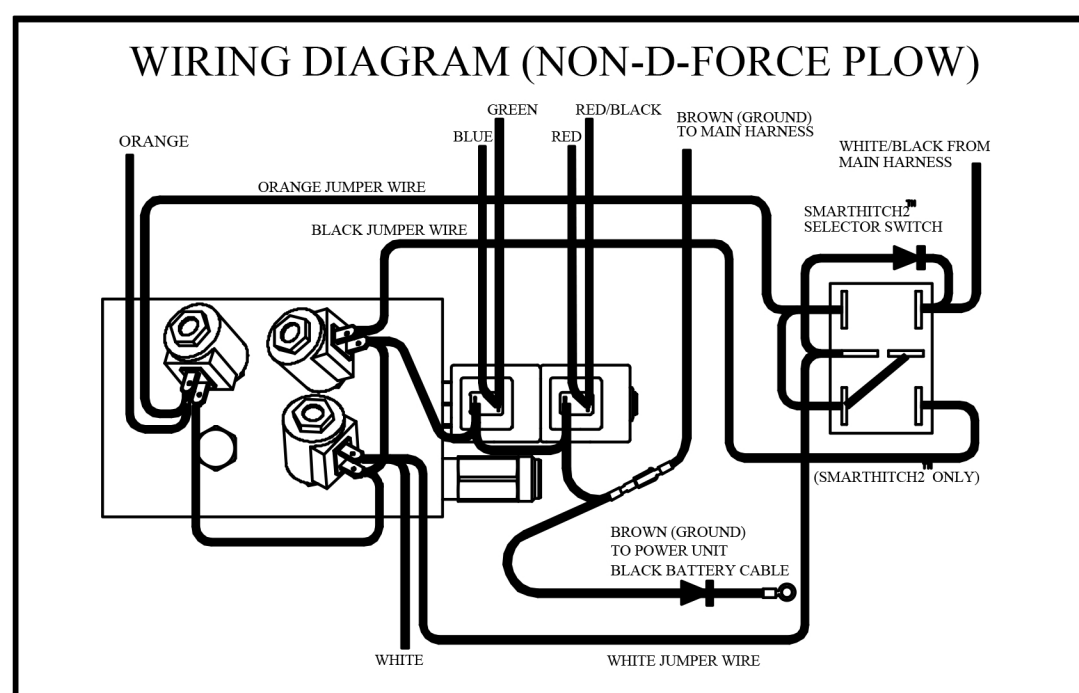
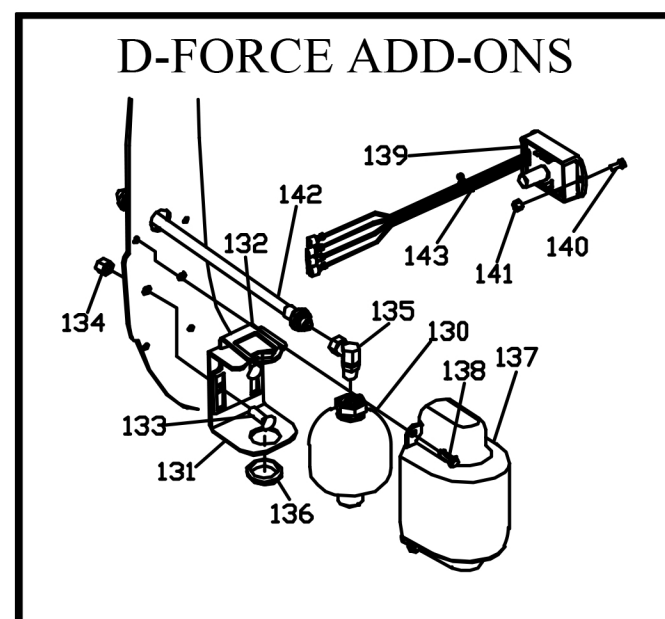
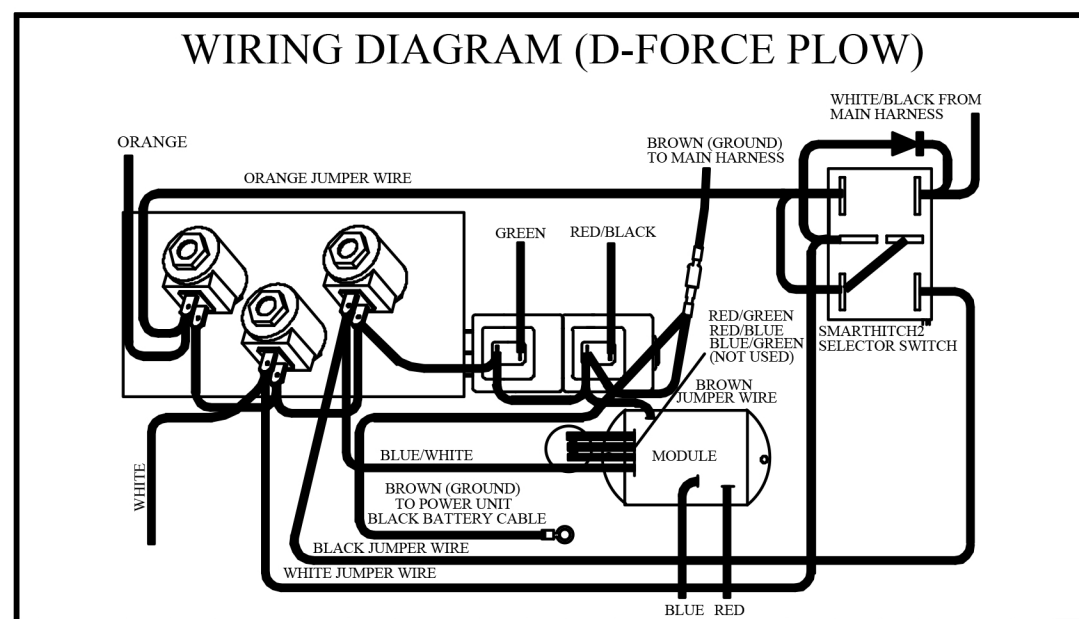
PLOW COMPONENTS		
10	Shock Absorber Option Kit	STB04816
10A	Includes (1) Shock Absorber	MSC01517
10B	(2) Blade Shock Mounts	STB03014-03
10C	(1) Shock Absorber Option Fastener Kit	HDW05609
11	Kickstand Leg	MSC03220
12	Plow Shoe Assembly, Cast	MSC01570
12A	Includes: (1) Quick Pin, 7/16"	
12B	(1) Plow Shoe, 7 1/4" Shaft	
12C	(12) Washer, 1" PLT	
12D	(1) Spacer, 1-1/2" Long	
13	Light Bar Assembly	LBA1111
	Light Bar Assembly (Heavy Duty)	LBA11116
14	Hydraulic Enclosure Cover	CPA07129
	Hydraulic Enclosure Cover (Heavy Duty)	CPA07668
15	Spring, Trip	MSC01309
16	Blade Guide, Set of (2) w/Hardware	MSC01870
17	Blade GuideTip, Set of (2)	MSC01562

HYDRAULIC POWER UNIT		
20	Hydraulic Pump - Power Unit	HYD01710
	Hydraulic Pump - Power Unit (Heavy Duty)	HYD07695
	Includes the Following Commonly Ordered Parts:	
20A	Hydraulic Pump Filler Cap	HYD01636
20B	Hydraulic Pump Motor - Bacher	HYD09328
20C	Hydraulic Reservoir Drain Plug	HYD01712
20D	Relief Valve (2,500 PSI)	HYD09365
20E	Hydraulic Reservoir, 2 quart	HYD04814
	Hydraulic Reservoir, 3 quart (Heavy Duty)	HYD04815
	Seal Kit, Power Unit	HYD09266
21	Fill Cap & Elbow Kit	MSC05078

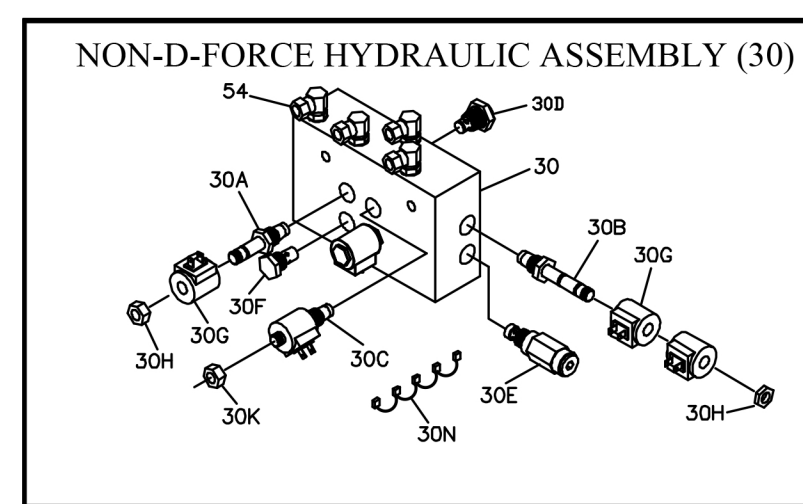
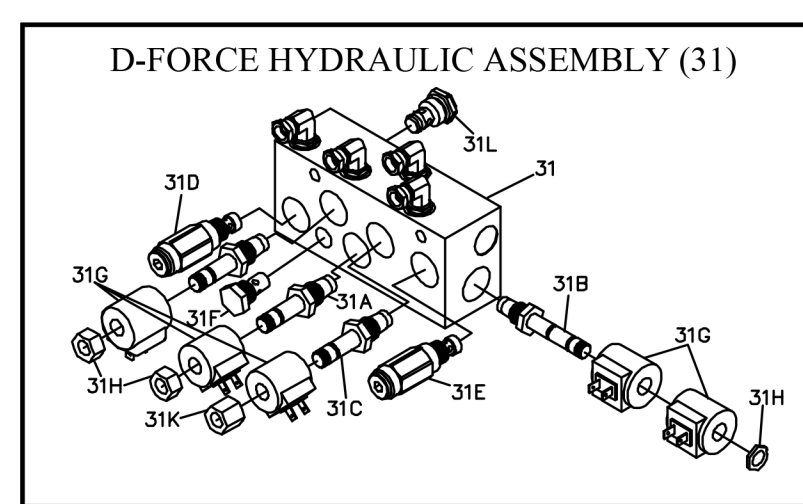
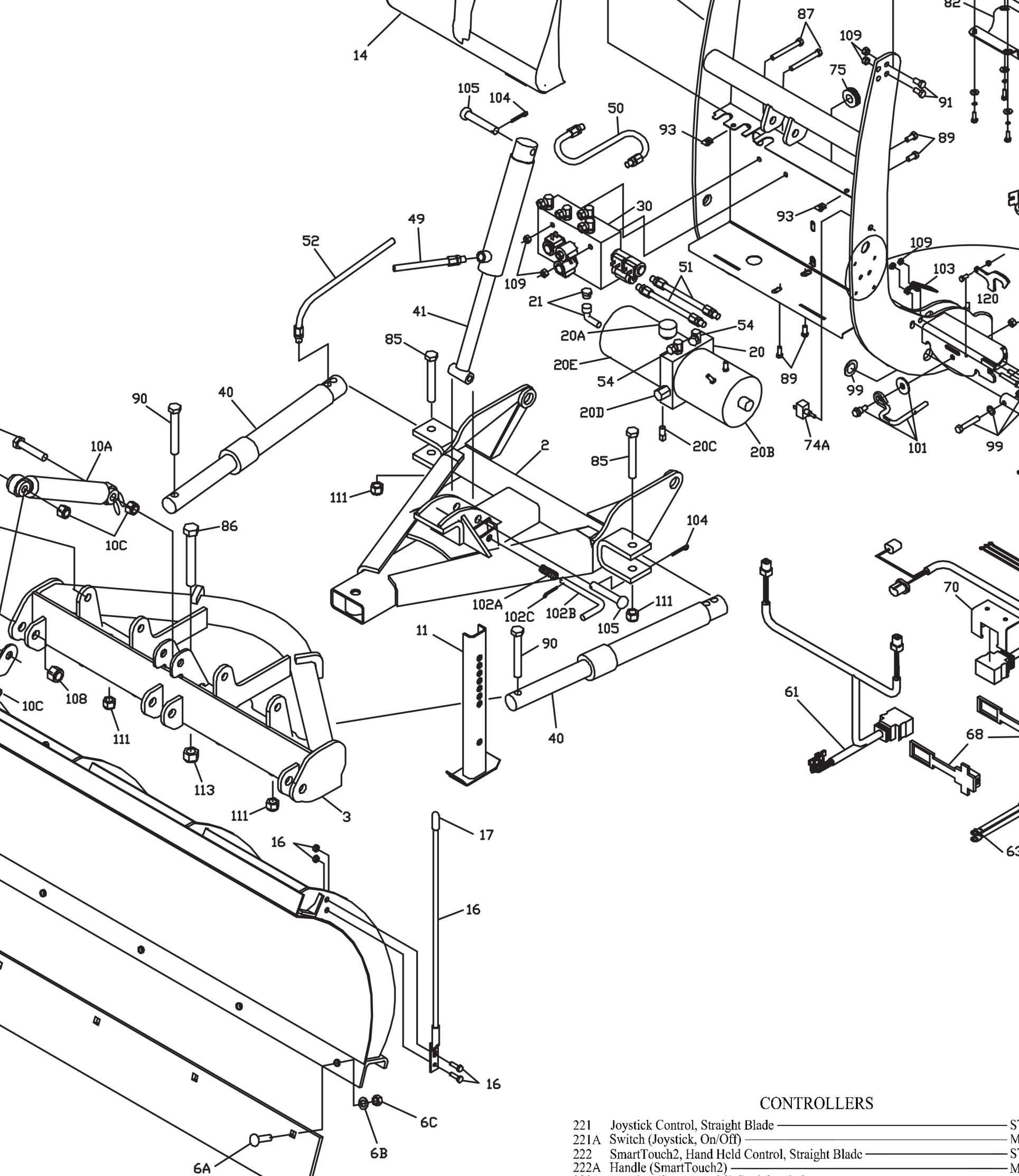
HYDRAULIC VALVE ASSEMBLY		
30	Hydraulic Valve Assembly with SmartHitch (Red)	HYD07122
	Includes the Following Commonly Ordered Parts:	
30A	Hydraulic Valve, Lift/Lower Cartridge	HYD01637
30B	Hydraulic Valve, Angle Cartridge (3 Position - 4 Way Spool), #8	HYD07100
30C	Hydraulic Valve, SmartHitch Attach	HYD07047
30D	Hydraulic Valve, Flow Control Cartridge (HYD07091 only)	HYD07048
30E	Relief Valve, Hydraulic Crossover (3,800 PSI)	HYD07027
30F	Check Valve	HYD01640
30G	Coil, Hydraulic Valve	HYD01638
30H	Nut, Coil - used with valve HYD01637 & HYD07100	HYD07059
30K	Nut, Coil - used with valve HYD07047	HYD07060
	Not Included in HYD07122	
30N	Ground Strap, Straight Blade	MSC08851
31	Hydraulic Valve Assembly (Red) D-Force	HYD01071
	Includes the Following Commonly Ordered Parts:	
31A	Hydraulic Valve, Lift/Lower Cartridge	HYD01637
31B	Hydraulic Valve, Angle Cartridge (3 Position - 4 Way Spool), #8	HYD07100
31C	Hydraulic Valve, SmartHitch Attach	HYD07047
31D	Relief Valve, D-Force (1,200 PSI)	HYD01074
31E	Relief Valve, Hydraulic Crossover (3,800 PSI)	HYD07027
31F	Relief Valve, Hydraulic Crossover (3,800 PSI)	HYD07027
31G	Coil, Hydraulic Valve	HYD01638
31H	Nut, Coil - used with valve HYD01637 & HYD07100	HYD07059
31I	Nut, Coil - used with valve HYD07047	HYD07060
31K	Hydraulic Valve, Flow Control	HYD07048

CYLINDERS & CYLINDER SEAL KITS		
40	Hydraulic Angle Cylinder (Serial Number G1220 & Higher)	HYD09731
	Seal Kit for Hydraulic Angle Cylinder HYD09731	HYD08842
	Hydraulic Angle Cylinder (Serial Number G1219 & Lower)	HYD08830
	Seal Kit for Hydraulic Angle Cylinder HYD08830	HYD08842
	Hydraulic Angle Cylinder (Heavy Duty)	HYD09383
	Seal Kit for Hydraulic Angle Cylinder HYD09383	HYD07688
41	Hydraulic Lift Cylinder	HYD09430
	Seal Kit for Hydraulic Lift Cylinder HYD09430	HYD09431
	Hydraulic Lift Cylinder (Heavy Duty)	HYD07649
	Seal Kit for Hydraulic Lift Cylinder HYD07649	HYD07686

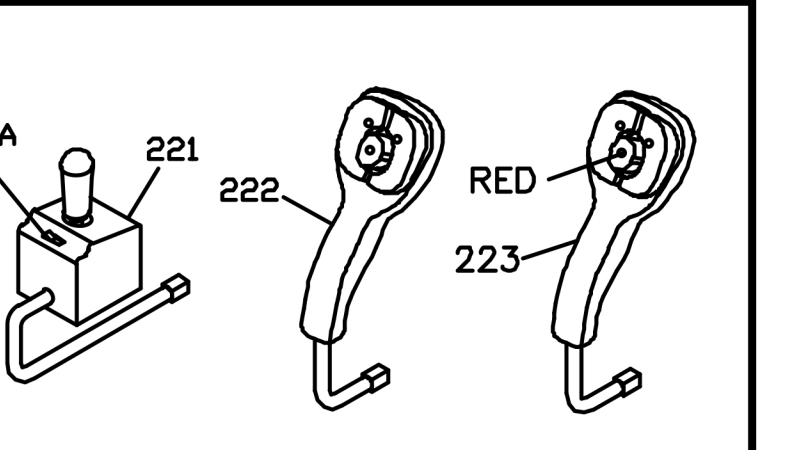
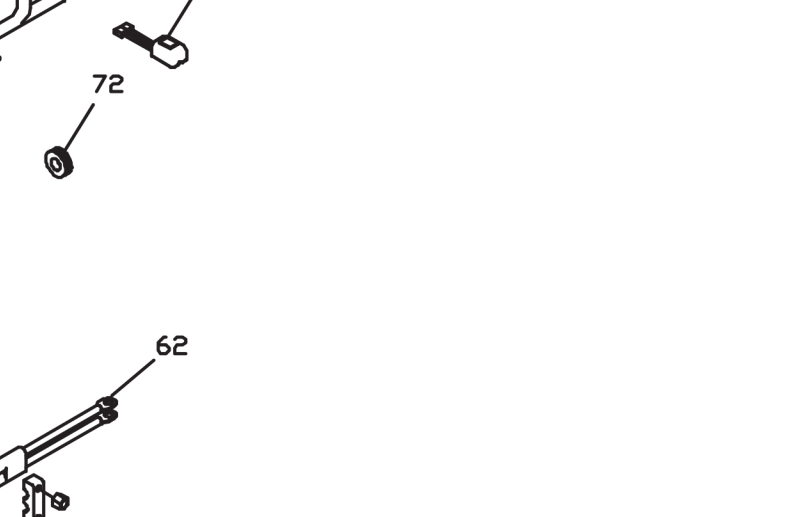
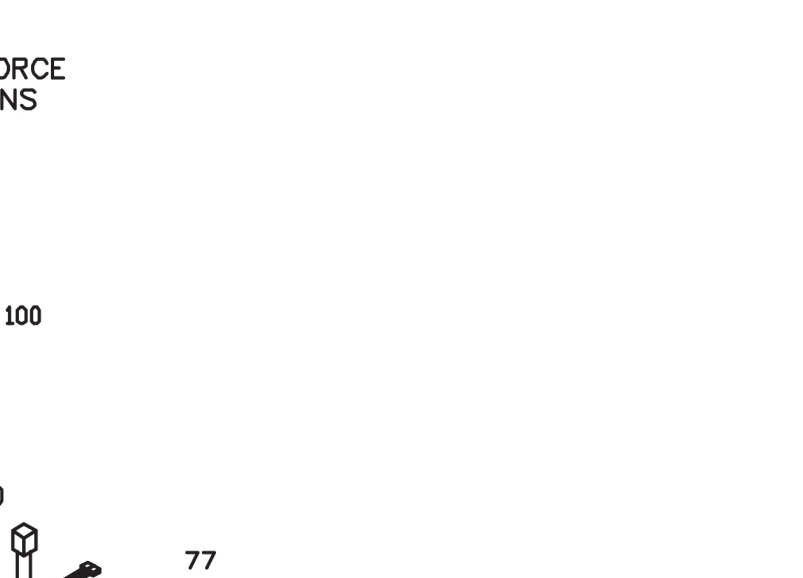
HOSES & FITTINGS		
49	Hydraulic Hose (Lift) 1/4" X 18", (1/4" MNPT X SAE #6)	HYD09922
50	Hydraulic Hose (SmartHitch2) 1/4" X 15-1/2", (1/4" MNPT X SAE #6)	HYD01695
51	Hydraulic Hose (Power Unit to Manifold) 1/4" X 14", (3/8" ORB X 1/4" MNPT)	HYD09967
52	Hydraulic Hose (Angle) 3/8" X 34", (1/4" MNPT X 3/8" MNPT)	HYD01810
	Hydraulic Hose (Angle) 3/8" X 42", (1/4" MNPT X 3/8" MNPT) (10' Heavy Duty)	HYD07042
54	Hydraulic Swivel Fitting, (Manifold) (1/4" ORS X 1/4" FPS)	HYD07015
	Cylinder Fitting, Breezer Vent (Not Shown)	HYD07078



OPTIONS & ACCESSORIES		
130	Accumulator	HYD09974
131	Bracket, Side	MSC17811-03
132	Bracket, Top	MSC17813-03
133	Carriage Bolt, 3/8 X 1 1/4	HDW05576
134	Nut, 3/8-16, Nylon	HDW01720
135	Fitting, 90 DEGS	HYD01620
136	Grommet	MSC17816
137	Cover, D-Force	MSC17810
138	Tullok Rivet	HDW17303
139	Control, EXP. Module	MSC19145
140	Screw #10-32, S.S.	HDW01038
141	Nut, NyLock #10-32, ST/ST	HDW05856
142	Hose 1/4"X14"	HYD09967
143	TwistLoc	MSC10139
	Rubber Snow Deflector (Except Heavy Duty)	MSC01565
	Rubber Snow Deflector (Heavy Duty Only)	MSC17611
	Red Touch-Up Spray Paint (12oz.)	MSC04098
	Black Touch-Up Spray Paint (12oz.)	MSC04036
	Red Touch-Up Spray Paint (Quart)	MSC04358
	Black Touch-Up Spray Paint (Quart)	MSC04359
	Dielectric Grease (1 oz.)	MSC03423
	Boss High Performance Hydraulic Fluid - Case (12 per)	HYD01704X001
	Curb Guard Kit, Super & Standard Straight Blade & Trip-Edge - Left (Driver's Side)	STB03395
	Curb Guard Kit, Super & Standard Straight Blade & Trip-Edge - Right (Passenger's Side)	STB03394
	Curb Guard Kit, Super Duty XT Straight Blade - Left (Driver's Side)	STB00315
	Curb Guard Kit, Super Duty XT Straight Blade - Right (Passenger's Side)	STB00313
	Curb Guard Kit, Heavy Duty Straight Blade - Left (Driver's Side)	STB05066
	Curb Guard Kit, Heavy Duty Straight Blade - Right (Passenger's Side)	STB05065
	Spare Parts Kit	MSC04298
	Wing Kit, Flat Top & STB	MSC08042C
	Sight System	MSC09644
	Ballast Retainer Kit	MSC09845



SEE D-FORCE ADD-ONS



ELECTRICAL		
60	Light and Control Harness 128" (Vehicle Side) - 13 pin, Harness Only	MSC08001
61	Light and Control Harness 48" (Plow Side) - 13 pin, Harness Only, LED	MSC09417
62	Power/Ground Cable 90" (Vehicle Side)	HYD01684
63	Power/Ground Cable 36" (Plow Side)	HYD01690
64	Solenoid, Hydraulic Pump	HYD01633
65	Battery Cable, 24"	MSC04414
66	Battery Cable, 72" (Optional)	MSC03465
67	Power/Ground Cable Dust Cap/Plug Kit (Vehicle & Plow) Set of (2)	MSC05081
68	Weather Plug for Light & Control Harness Kit (Vehicle & Plow)	MSC04581
70	Control Harness Mounting Bracket	MSC03813-03
71	Power/Ground Cable Mounting Bracket w/Hardware	MSC09097
72	Rubber Split Grommet, 1-1/8"	MSC03761
73	Headlight Adapter Kit	Various
74	SmartHitch2 Toggle Switch Kit (Includes Switch & Jumpers)	MSC04744
74A	Includes: (1) Switch, SmartHitch2 Toggle	MSC01889
	(1) Wiring Harness, SmartHitch2 (Orange)	MSC04672
	(1) Wiring Harness, SmartHitch2 (Black)	MSC09886
	(1) Wiring Harness w/Diode, SmartHitch2 (White)	MSC09887
	(1) Switch Boot, SmartHitch2	MSC04238
75	Rubber Grommet - for light and control harness in coupler tower	MSC03456
76	Headlight Mounting Fastener Kit	HDW11114
76A	Includes: (2) Hex Hed Cap Screw, 3/8" - 16 X 1" Washer Head Spinlock GR5 YZN	
76B	(2) Washer, 3/8" Flat YZN	
76C	(2) Nut, 3/8" - 16, Nylon Locking YZN	
76D	(8) Hex Head Cap Screw, 1/4" - 20 X 3/4" GR5 YZN	
76E	(8) Washer, 1/4" Split Lock YZN	
76F	(8) Washer, 1/4" Flat YZN	
77	Headlight Rocker Switch	MSC04747
77	Relay, 12V	MSC04294
79	Light Bar, End Cap	MSC09058
80	Relay Repair Kit	MSC08093
81	Fuse Holder Repair Kit	MSC01322
82	Headlight Mounting Bracket, Left, SmartLight2	MSC11109-03
83	Headlight Mounting Bracket, Right, SmartLight2	MSC11110-03
84	Headlight, Left, SmartLight3	MSC16201
85	Headlight, Right, SmartLight3	MSC16202

BOLTS		
86	Hex Head Cap Screw, 3/4" - 10 X 5-1/2" NC GR5 YZN (Center Pivot Pin)	HDW03036
87	Hex Head Cap Screw, 1" - 8 X 7" ZN YZN (Center Pivot Pin)(10' Heavy Duty)	HDW07735
88	Hex Head Cap Screw, 3/8" - 16 X 3-1/4" YZN (Manifold to Coupler)	HDW05573
89	Hex Head Cap Screw, 3/8" - 16 X 2-1/4" GR5 YZN (SmartHitch Torsion Spring)	HDW05521
90	Hex Head Cap Screw, 3/8" - 16 X 3-1/4" GR5 YZN (10' Heavy Duty Torsion Spring)	HDW05573
91	Hex Head Cap Screw, 3/8" - 16 X 3/4" Washer HD Spinlock GR5 YZN (Pump to Coupler)	HDW05602
92	Hex Head Cap Screw, 5/8" - 11 X 4" GR5 YZN (Angle Cylinder Mount)	HDW01706
93	Hex Head Cap Screw, 1" - 8 X 5-1/2" GR5 YZN (Angle Cylinder Mount)(10' Heavy)	HDW07723
94	Hex Head Cap Screw, 3/8" - 16 X 1-1/4" YZN (Light Bar Assembly)	HDW01771
95	Hex Head Cap Screw, 3/4" - 10 X 4" NC GR5 YZN (Blade to Pushframe)	HDW03046
96	Thumb Screw Kit	MSC05077
97	Eye Bolt Kit, 1/2" X 5-1/4" (To Hole Center), YZN w/HDW	HDW01744
	Includes: (2) Spade Bolt, 1/2" X 5-1/4" (To Hole Center), YZN	
	(2) Nut, 1/2" NC NY/INS Lock YZN	
	(2) Washer, 1/2" Flat YZN	
	(2) Push Nut Retainer, 3/8" YZN	
	Eye Bolt Kit, 5/8" X 4" (To Hole Center), YZN w/HDW	MSC05056
	Includes: (2) Spade Bolt, 5/8" X 4" (To Hole Center), YZN	
	(2) Nut, 5/8" NC NY/INS Lock YZN	
	(2) Washer, 5/8" Flat YZN	

PINS, NUTS, WASHERS, & OTHER HARDWARE		
99	Coupler Pivot Pin Kit	MSC04251
	Includes: (1) Pivot Pin RT3 1" X 3" YZN	
	(1) Hex Head Cap Screw, 3/8" - 16 X 1-1/2" YZN	
	(1) Nut, Nylon Locking, 3/8" - 16 YZN	
	(1) Washer, 3/8" YZN	
	(1) Washer, 1" YZN	
	Coupler Pivot Pin Kit (10' Heavy Duty)	MSC07697
	Includes: (1) Pivot Pin RT3 1-1/2" X 3-5/8" YZN	
	(1) Hex Head Cap Screw 5/16" - 18 X 2" GR5 YZN	
	(1) Nut, 5/16" - 18 NY/INS Lock YZN	
100	Coupler Spring Pin Kit	MSC04675
	Includes: (1) Coupler Spring Pin	
	(1) 1/4" Stop Pin YZN	
	(1) Nylon Washer, 1/4"	
	(1) Nut, Nylon Locking, 1/4" - 20 YZN	
	Coupler Spring Pin Kit (10' Heavy Duty)	MSC07972
	Includes: (1) Coupler Spring Pin	
	(1) 3/8" Stop Pin YZN	
	(1) Nylon Washer, 3/8"	
	(1) Nut, Nylon Locking, 3/8" - 16 YZN	
101	Coupler Spring Pin Release Kit	MSC04676
	Includes: (1) Coupler Spring Pin Release Handle (left or right)	
	(1) Coupler Spring Release Nylon Washer	
	(1) Coupler Spring Pin Release Springs	
	(1) Shoulder Bolt w/Flange, 3/8" - 16 YZN	
	Coupler Spring Pin Release Kit LEFT (10' Heavy Duty)	MSC07974
	Coupler Spring Pin Release Kit RIGHT (10' Heavy Duty)	MSC07973
	Includes: (1) Coupler Spring Pin Release Handle (left or right)	
	(1) Coupler Spring Release Nylon Washer	
	(1) Nut, 3/8" Locking YZN	
	(2) Coupler Spring Pin Release Springs	
	(1) Shoulder Bolt w/Flange, 3/8" - 16 YZN	
102	Kickstand Spring Pin Kit	MSC03807
	Includes: (1) Kickstand Spring Pin Spring, 0.85" O.D. X 2-1/4" SS	
102A	(1) Kickstand Spring Pin	
102B	(1) Cotter Pin, 1/8" X 1-1/2" YZN	
102C	(1) Roll Pin, 3/16" X 2" YZN	
103	Spring Kit, SmartHitch Torsion Set of (2)	MSC05076
104	Spring, SmartHitch Torsion (Heavy Duty)	MSC07673
104	Haipin Cotter, #16 YZN	HDW05544
105	Clevis Pin, 3/4" X 3-1/2" YZN	HDW05563
	Clevis Pin, 3/4" X 3-1/4" YZN (Heavy Duty)	HDW07684
	Pin Kit, Lift Cylinder Clevis	MSC05674
	Includes: (1) Haipin Cotter, #16 YZN	
	(1) Clevis Pin, 5/8" X 3-1/2" YZN	
108	Nut, Lock 3/4" - 10 GR5 YZN (Pushframe Attachment Bar to Blade)	HDW03057
109	Nut, Self-Locking 3/8" - 16 YZN	HDW01720
110	Nut, Oval Top Lock 5/8" - 11 YZN	HDW01709
	Nut, Lock 1" - 8 YZN (10' Heavy Duty)	HDW07704
113	Nut, Lock 3/4" - 10 GR5 YZN (Pushframe to Attachment Bar Pivot Pin)	HDW03037
	Nut, Lock 1" - 8 YZN (Pushframe to Attachment Bar Pivot Pin)(Heavy Duty)	HDW07704
114	Washer, 1/2" Flat YZN	HDW01729
120	Latch Kit (76", 80", 86", 90" RT3 Straight Blade)	MSC04687
	Includes: (1) Latch (Heavy Duty RT3 Straight Blade)	
	(1) Hex Head Cap Screw, 1/4" - 20 X 3/4" GR5 YZN	
	(1) Nut, Nylon Locking 1/4" - 20 YZN	
	Latch Kit (Heavy Duty RT3 Straight Blade)	MSC04688
	Includes: (1) Latch (Heavy Duty RT3 Straight Blade)	
	(1) Hex Head Cap Screw, 1/4" - 20 X 3/4" GR5 YZN	
	(1) Nut, Nylon Locking 1/4" - 20 YZN	

SLS06039-T

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