



SNOW PLOW

RT3 HTX PLOWS

HTX STRAIGHT-BLADE PLOWS

PARTS EXPLOSION

2017-2018



WELDMENTS		
1	Coupler Assembly W/Pins Only	CPA09598
2	Coupler Assembly W/Pins Only (D-Force)	CPA10378
3	Pushframe Assembly	STB09513
4	Pushframe Attachment Bar	STB09526
4A	Blade (70") w/ Cutting Edge & Steel Skin	STB18960
	Steel Skin (70")	STB18961
	Blade (70") w/ Cutting Edge & Poly Skin	STB18980
	Poly Skin (70")	STB18981
	Blade (70") w/ Cutting Edge & Stainless Steel Skin	STB18990
	Stainless Steel Skin (70")	STB18991
	Blade (76") w/ Cutting Edge & Steel Skin	STB18965
	Steel Skin (76")	STB18966
	Blade (76") w/ Cutting Edge & Poly Skin	STB18985
	Poly Skin (76")	STB18986
	Blade (76") w/ Cutting Edge & Stainless Steel Skin	STB18995
	Stainless Steel Skin (76")	STB18996

CUTTING EDGE		
5	Cutting Edge (70")	STB09544-03
6	Cutting Edge (76")	STB09371-03
6A	Carriage Bolt Set	BAX00034
6B	Includes: (10) Carriage Bolt 1/2" - 13 X 1-3/4" GR5	
6C	(10) Washer, 1/2" Hardened	
6D	(10) Nut, Oval Top Lock 1/2"	

PLOW COMPONENTS		
10	Kickstand Leg	STB09597
11	Kickstand Spring Pin Kit	STB09577
11A	Includes: (1) Handle	
11B	(1) Roll Pin	
11C	(1) Spring	
12	Light Bar Assembly	LB11111
13	Plow Shoe Assembly, Cast Iron	MSC01570
13A	Includes: (1) Quick Pin, 7/16"	
13B	(1) Plow Shoe (1" Shaft), Cast Iron	
13C	(25) Washer, 1" PLT	
13D	(1) Spacer, 1-1/2" Long	
14	Hydraulic Enclosure Cover	CPA07129
15	Spring, Trip	MSC01509
16	Blade Guide, Set of (2) W/Hardware	MSC01870
	Sport Duty Plows Require (2) Additional	
	Hex Head Cap Screw, 1/2" - 13 X 1-1/2" Washer HD, Spinlock, Self-Tapping, GR5 YZN	
17	Blade Guide Tip, Set of (2)	MSC01562
18	End Cap	HDW05863

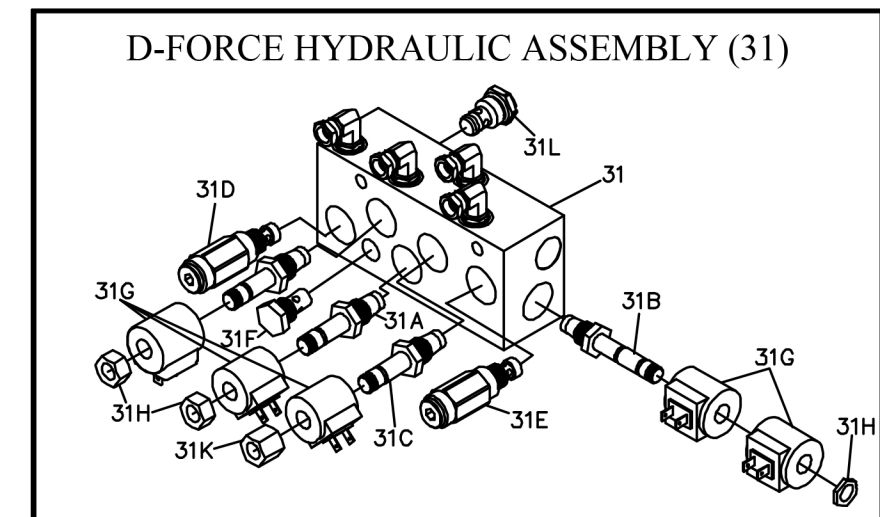
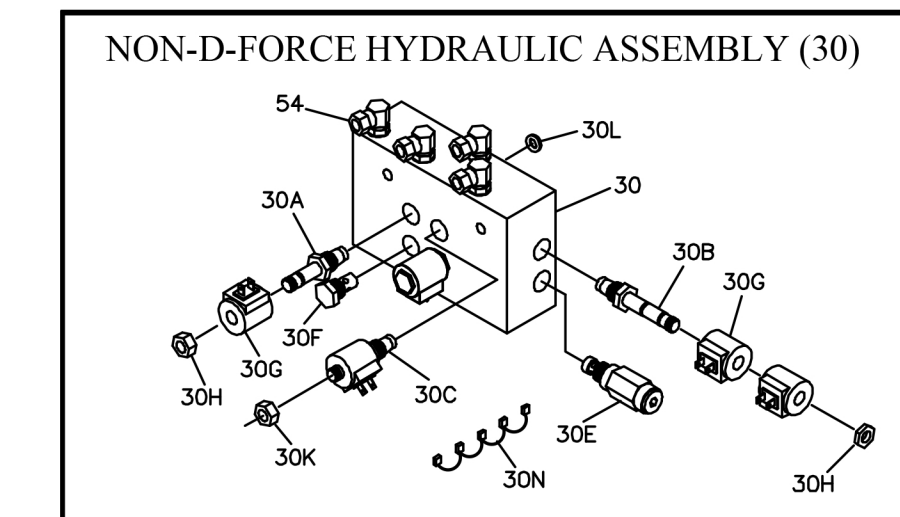
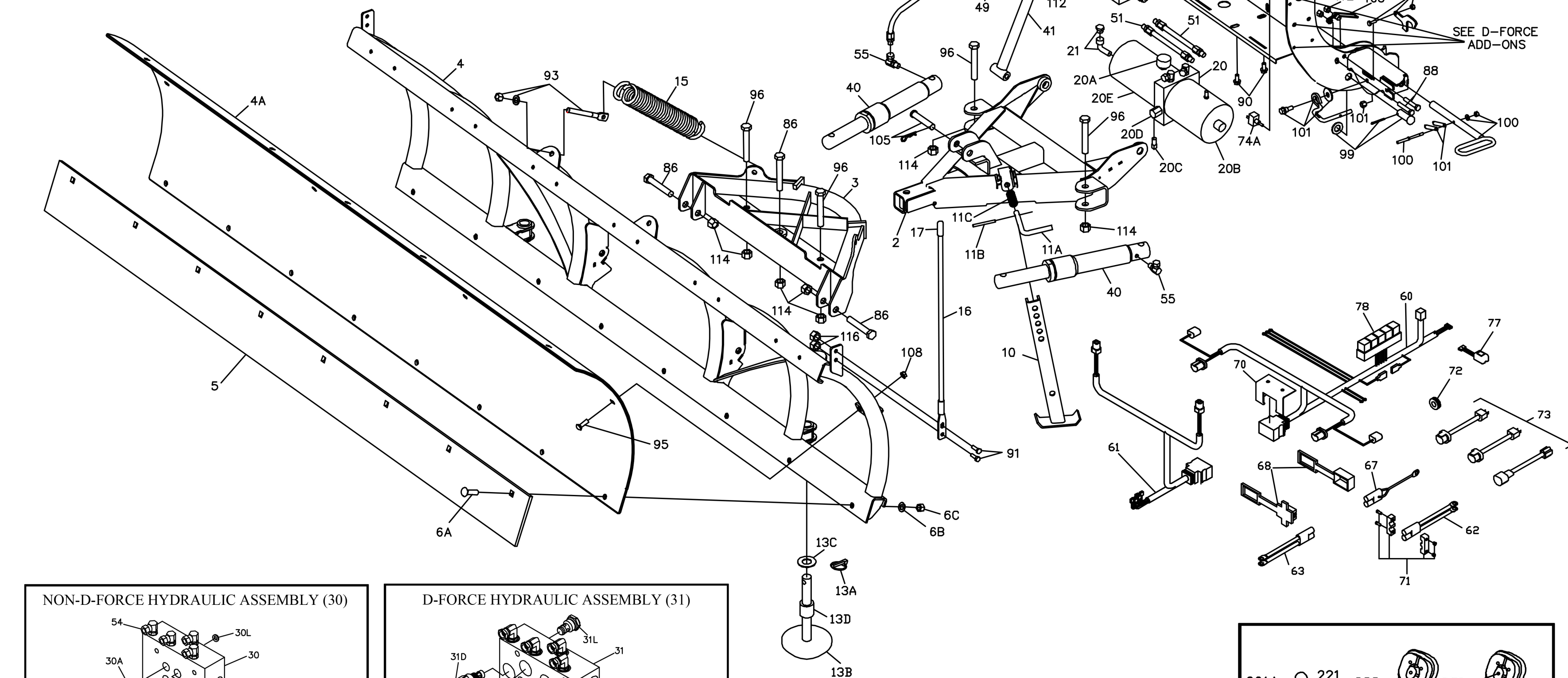
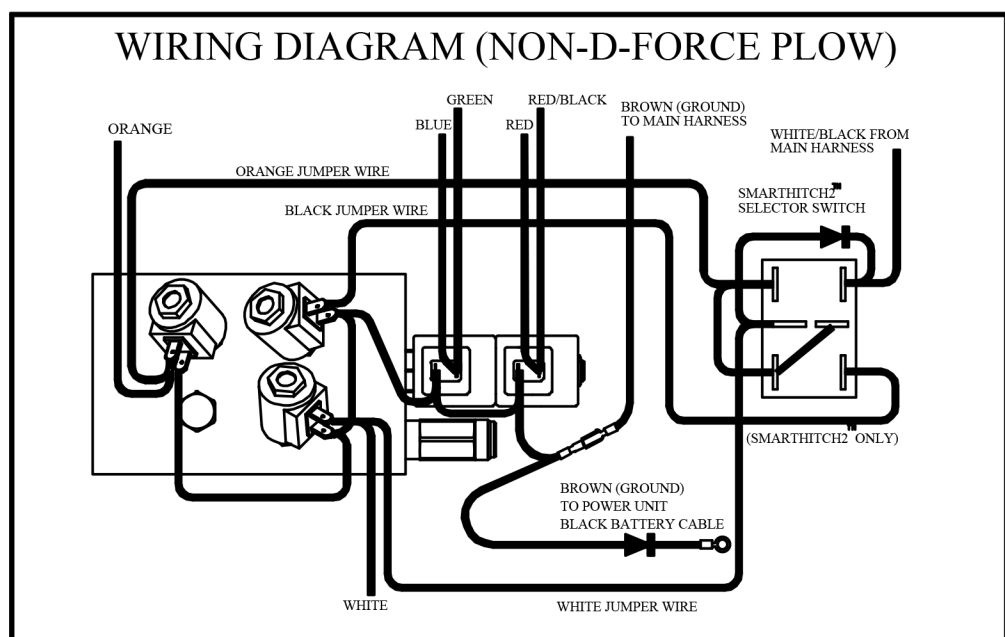
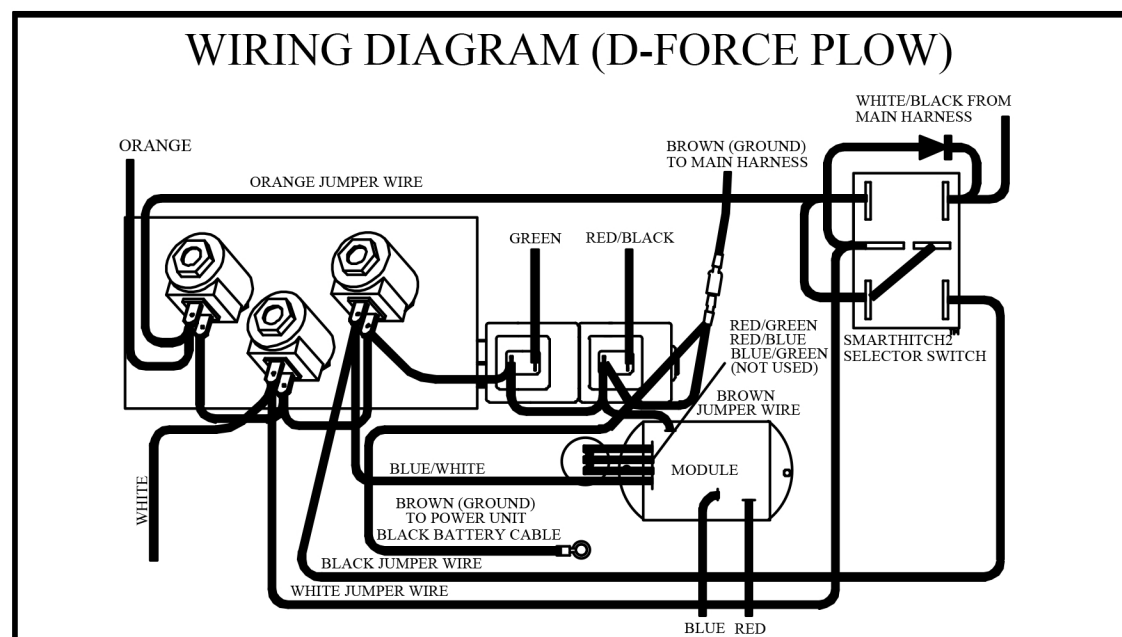
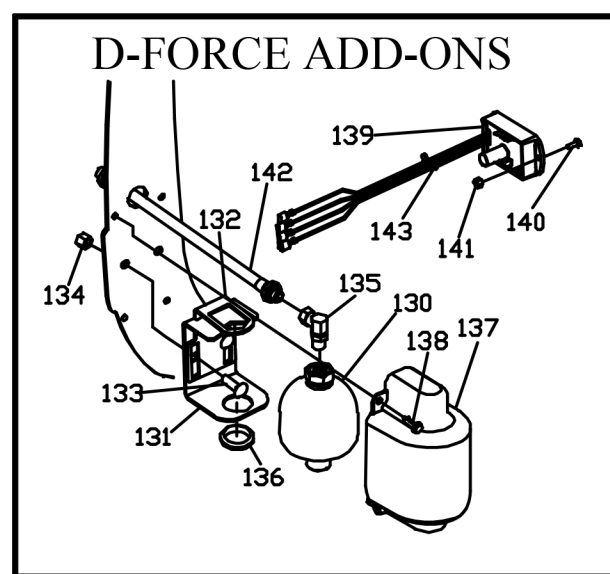
HYDRAULIC POWER UNIT		
20	Hydraulic Pump - Power Unit	HYD12239
	Includes the Following Commonly Ordered Parts	
20A	Hydraulic Pump Filter Cap	HYD01636
20B	Hydraulic Pump Motor	HYD01245
20C	Hydraulic Reservoir Drain Plug	HYD01712
20D	Relief Valve (2,000 PSI)	HYD09365
20E	Hydraulic Reservoir, 2 quart	HYD04814
	Seal Kit, Power Unit	HYD09366
21	Fill Cap and Elbow Kit	MSC05078

HYDRAULIC VALVE ASSEMBLY		
30	Hydraulic Valve Assembly SmartHitch (Green)	HYD07121
	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
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
30L	Orifice Plug, 0.12" ID	HYD07120
	Not Included in HYD07121	
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
31K	Nut, Coil - used with valve HYD07047	HYD07060
31L	Hydraulic Valve, Flow Control	HYD07048

CYLINDERS & CYLINDER SEAL KITS		
40	Hydraulic Angle Cylinder	HYD09985
	Seal Kit for Hydraulic Angle Cylinder HYD09985	HYD08842
41	Hydraulic Lift Cylinder	HYD09440
	Seal Kit for Hydraulic Lift Cylinder HYD09440	HYD09441

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
54	Hydraulic Swivel Fitting, 90 Degree (Manifold) (1/4" ORS X 1/4" FPS)	HYD01620
55	Hydraulic 90 Degree Fitting (Angle Cylinder) (3/8" MP X 3/8" FPS)	HYD07018
	Cylinder Fitting, Breather Vent (Not Shown)	HYD07078

OPTIONS & ACCESSORIES		
	Black Touch-Up Spray Paint (12oz.)	MSC04036
	Black Touch-Up Spray Paint (Quart)	MSC04359
	Dielectric Grease (1 oz.)	MSC03423
	Boss High Performance Hydraulic Fluid - Case (12 per)	HYD01704X001
	Spare Parts Kit	MSC04258
	Plow Shoe Kit	MSC09588
	Emergency Parts Kit, STB	STB16187
	Sight System	MSC09644
	Ballast Retainer Kit	MSC09845
	Snow Deflector Kit	MSC04587



SLS09557-M

BOSS Products reserves the right under its continuous product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used herein.

Patent: www.ttcopats.com

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 40" (Vehicle Side)	HYD01684
63	Power/Ground Cable 36" (Plow Side)	HYD01690
64	Solenoid, Hydraulic Pump	HYD01633
66	Battery Cable, 24"	MSC03414
	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 Kit W/Hardware	MSC09097
72	Rubber Split Grommet, 1-1/8"	MSC03161
73	Headlight Adapter Kit	Various
74	SmartHitch2 Toggle Switch Kit (Includes Switch & Jumpers)	MSC04744
74A	Includes: (1) Wiring Harness, 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 Head 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	(6) Hex Head Cap Screw, 1/4" - 20 X 3/4" GR5 YZN	
76E	(8) Washer, 1/4" Flat YZN	
76F	(8) Washer, 1/4" Flat YZN	
77	Headlight Rocker Switch	MSC04747
78	Relay, 12V	MSC04294
79	Light Bar, End Cap	MSC09058
80	Relay Repair Kit	MSC08993
81	Fuse Holder Repair Kit	MSC01322
82	Headlight Mounting Bracket, Left, SmartLight2	MSC11109-03
83	Headlight Mounting Bracket, Right, SmartLight2	MSC11104-03
84	Headlight, Left, SmartLight3	MSC16201
85	Headlight, Right, SmartLight3	MSC16202

BOLTS

86	Hex Head Cap Screw, 5/8" - 11 X 4" GR5 YZN (Pushframe to Attachment Bar & Blade)	HDW01706
87	Hex Head Cap Screw, 3/8" - 16 X 1-1/4" GR5 YZN (Light Bar Assembly)	HDW01771
88	Hex Head Cap Screw, 3/8" - 16 X 2-1/4" GR5 YZN (SmartHitch Torsion Spring)	HDW05521
89	Hex Head Cap Screw, 3/8" - 16 X 3-1/4" GR5 YZN (Manifold to Coupler)	HDW05573
90	Hex Head Cap Screw, 3/8" - 16 X 3/4" Washer HD Spinlock GR5 YZN (Pump to Coupler)	HDW05602
91	Hex Head Cap Screw, 5/16" - 18 X 1" GR5 YZN (Blade Guide to Blade)	HDW01713
92	Hex Head Cap Screw, 1/2" - 13 X 1-1/2" Washer HD, Spinlock, Self-Tapping, GR5 YZN	HDW09576
93	Eye Bolt Kit, 1/2" X 5-1/4" (To Hole Center), YZN (Trip Spring) W/HDW	HDW01744
	Includes: (2) Eye 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	
94	Thumb Screw Kit	MSC05077
95	Carriage Bolt, 3/8" - 16 X 1-1/4" YZN (Blade Skin)	HDW05576
	Carriage Bolt, 3/8" - 16 X 1-1/4" Stainless Steel (Blade Skin)	HDW18163
96	Hex Head Cap Screw, 5/8" - 11 X 3-1/2" GR5 YZN (Angle Cylinders)	HDW01707

PINS, NUTS, WASHERS, & OTHER HARDWARE

99	Coupler Pivot Pin, Kit	MSC09586
	Includes: (1) Pivot Pin 3/4" X 2" YZN	
	(1) Washer, 3/4" YZN	
	(1) Cotter Pin, 3/16" X 2-1/2" YZN	
100	Coupler Spring Pin Kit	MSC09587
	Includes: (1) Coupler Spring Pin	
	(1) 1/4" Stop Pin YZN	
	(1) Nylon Washer, 1/4"	
	(1) Nut, Nylon Locking, 1/4" - 20 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) Nut, 3/8" Locking YZN	
	(2) Coupler Spring Pin Release Springs	
	(1) Shoulder Bolt w/Flange, 3/8" - 16 YZN	
103	Spring, SmartHitch Torsion Set of (2)	MSC05076
105	Pin Kit Lift Cylinder Kit	MSC05674
108	Nut, Spin Lock 3/8" - 16 YZN w/ Epoxy Patch (Blade Skin)	HDW07730
112	Nut, Self-Locking 3/8" - 16 X 18" Stainless Steel (Blade Skin)	HDW05854
113	Nut, Self-Locking 3/8" - 16 YZN (Lightbar Assembly & Torsion Springs)	HDW01720
114	Nut, Lock 1/2" NC NY/INS YZN (Trip Springs)	HDW01748
116	Nut, Oval Top Lock 5/8" - 11 YZN (Cyl's & Pushframe to Attachment Bar to Blade)	HDW01709
118	Nut, Nylon Locking 5/16" - 18 YZN (Blade Guides)	HDW01714
120	Latch Kit	MSC04687
	Includes: (1) Latch	
	(1) Hex Head Cap Screw, 1/4" - 20 X 3/4" GR5 YZN	
	(1) Nut, Nylon Locking 1/4" - 20 YZN	

D-FORCE ADD-ONS

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 DEGSW	HDW01620
136	Grommet	MSC17816
137	Cover, D-Force	MSC17810
138	Tuflok Rivet	HDW17303
139	Control, EXP, Module	MSC19145
140	Screw #10-32 X 5, S/S	HDW10138
141	Nut, NyLock #10-32, ST/ST	HDW05856
142	Hose 1/4"X14"	HYD09967
143	TwistLoc	MSC10139

CONTROLLERS

221	Joystick Control, Straight Blade	STB03191
221A	Switch (Joystick, On/Off)	MSC04086
222	SmartTouch2, Hand Held Control, Straight Blade	STB09602
222A	Handle (SmartTouch2)	MSC09613
222B	Housing (SmartTouch2) Straight Blade	STB09646
222C	Cord (SmartTouch2)	MSC09615
222D	Control Pad (SmartTouch2) Straight Blade	STB09617
222E	Circuit Board (SmartTouch2) Straight Blade	STB09619
222F	On/Off Switch (SmartTouch2)	MSC09916
223	SmartTouch2, Hand Held Control, Straight Blade, D-Force	STB10160
223A	Handle (SmartTouch2)	MSC09613
223B	Housing (SmartTouch2) Straight Blade	STB09646
223C	Cord (SmartTouch2)	MSC09615
223D	Control Pad (SmartTouch2) Straight Blade, D-Force	STB10161
223E	Circuit Board (SmartTouch2) Straight Blade, D-Force	STB10162
223F	On/Off Switch (SmartTouch2)	MSC09916