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7'6", 8'6", and 9'6" MVP 3™ Snowplows

Mild Steel Blades 74475, 74485, 74495
Poly Blades 74585, 74595
Stainless Steel Blades 74675, 74685, 74695
H,L&T Center Assembly 74300, 74400
H,L&T Center Assembly, Central Hydraulics 74310

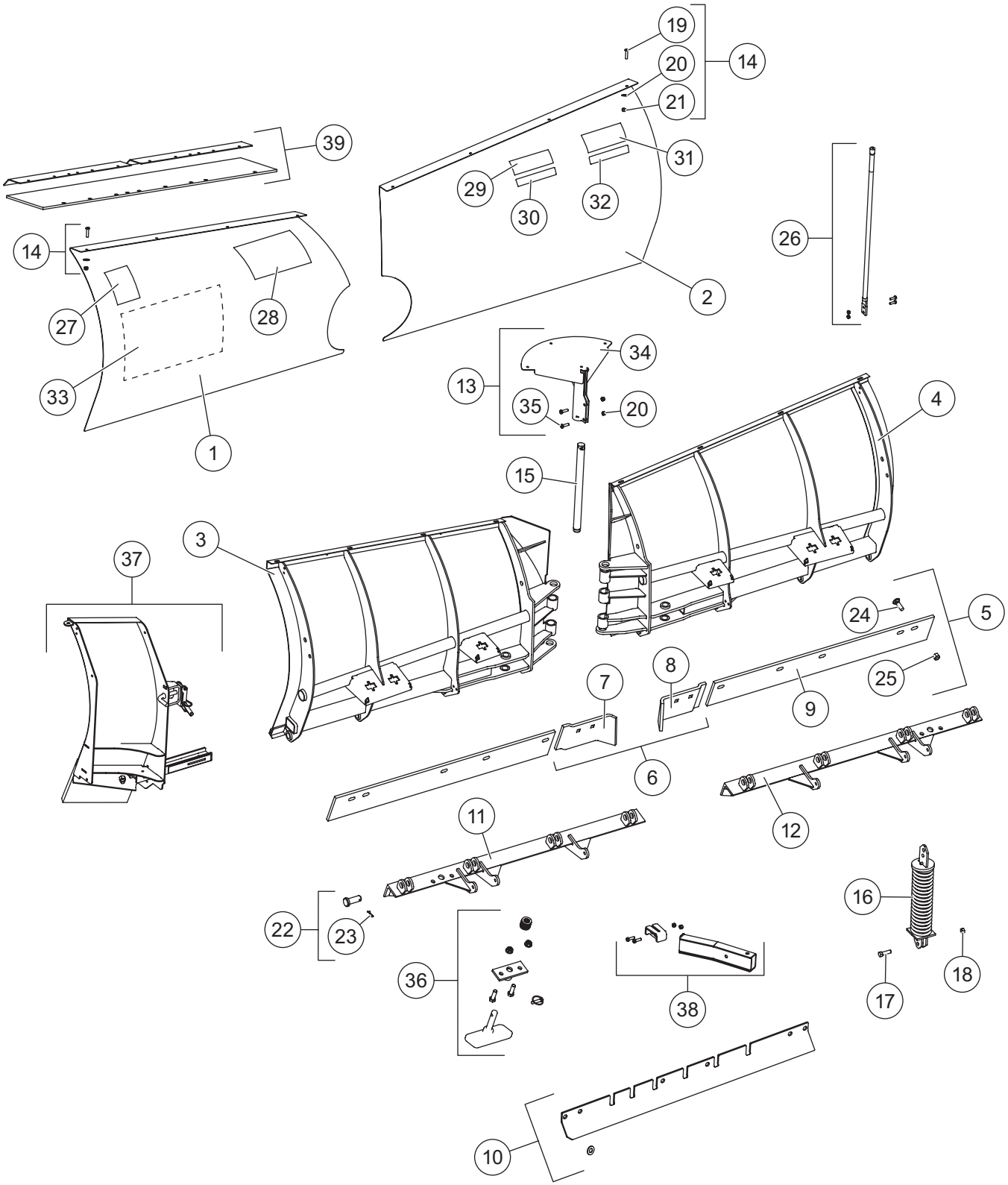
Parts List

A DIVISION OF DOUGLAS DYNAMICS, LLC

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Blade Components – 9'6" Shown



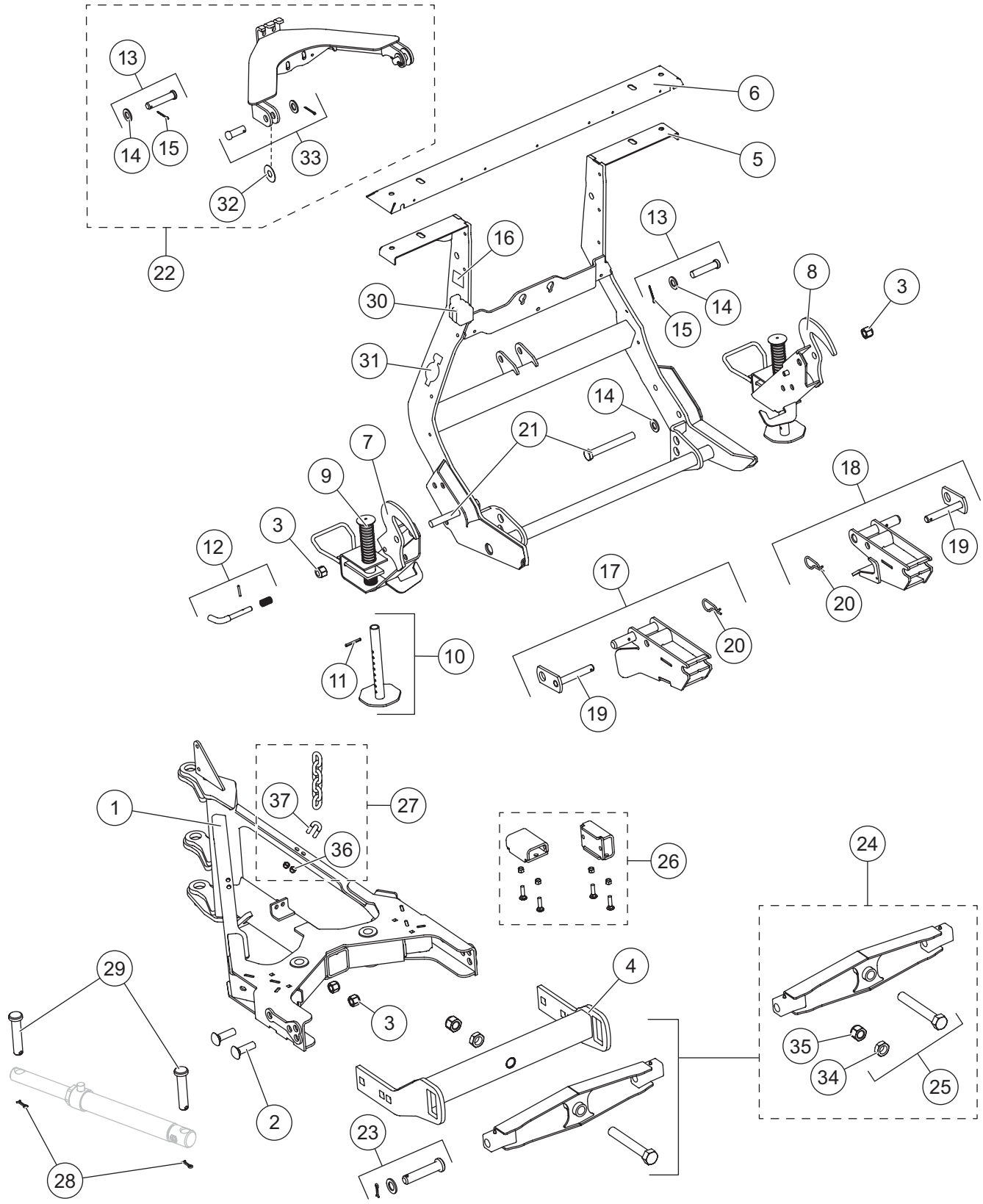
74475/74485/74495/74585/74595/74675/74685/74695 MVP 3 Blade									
		Part Number							
		7'6"		8'6"			9'6"		
Item	Description	MS	SS	MS	SS	Poly	MS	SS	Poly
1	Moldboard Kit w/Fasteners & Labels – DS	43137	74402	43138	74403	43141	43139	74404	43142
2	Moldboard Kit w/Fasteners & Labels – PS	43158	74405	43159	74406	43162	43160	74407	43163
3	Frame, Base Angle & Spring Assy – DS	43143		43144			43145		
4	Frame, Base Angle & Spring Assy – PS	43146		43147			43148		
5	Cutting Edge Kit (3/8)	44561-2		44564-2			–		
	Cutting Edge Kit (1/2)	44284-2†		44285-2†			44567-2		
6	Center Cutting Edge Kit	44894-1							
7	Center Cutting Edge – DS	44891-1							
8	Center Cutting Edge – PS	44890-1							
9	Cutting Edge (3/8) – one side	44896-1		44897			–		
	Cutting Edge (1/2) – one side	44996-1†		44997†			44898		
10†	Back Drag Edge Kit	44281-3†		44282-3†			44283-3†		
11	Base Angle – DS	43126		43128			43130		
12	Base Angle – PS	43127		43129			43131		
13	Center Snow Control Kit	43118							
14	Moldboard Fasteners Kit	43890	43289	43890	43289	43890	43890	43289	43890
MS = Mild Steel				SS = Stainless Steel					

† Accessory only.

Blade Pins, Fasteners, Labels & Springs					
Item	Part	Description	Item	Part	Description
15	49844	Main Pivot Pin	27	59900	Label – Warning/Caution, Snowplows
16	21452	Removable Spring Assembly	28	43360	Label – Attach/Detach, UltraMount® 2
17	91000	7/16-14 x 1/2 x 1-5/8 Shoulder Bolt	29	41696	Label – Logo, MVP 3
18	90353	7/16-14 Hex Locknut GB	30		Label – Blade Size & Serial Number
19		3/8-16 x 1 Button Cap Screw	31	44451	Label – Logo, WESTERN® 8.31"
20		3/8 Washer	32	28404	Label – Logo, ULTRAFINISH™ (MS)
21		3/8-16 Hex Locknut GB	33	40986	Label – Logo, CONTRACTOR GRADE® (MS & poly moldboards)
22	43745	1 x 2-3/4 Clevis Pin w/Cotter			
23		1/4 x 1-1/2 Cotter Pin		43899	Label – CONTRACTOR GRADE, Clear (SS moldboard)
24		5/8-11 x 2 Carriage Bolt G5			
25		5/8-11 Hex Locknut GB	ns	44763	Bolt Bag – Cutting Edge Kits (1 side, 5 sets)
26	62595	Poly Blade Guide Kit			
Item 13		**43118 Center Snow Control Kit**			
21		3/8-16 Hex Locknut GB	35		3/8-16 x 2 Hex Cap Screw G5
34		Center Deflector			
Blade Accessories					
36†	43088	Shoe Kit (set of 2)	39†	41810	Deflector Kit (Universal) – 10"
37†	43510-1	Blade Wing Extension Kit (8'6" & 9'6" blades only)	ns†	41811	Deflector Kit (Universal) – 18"
			ns†	43087	Label Kit – Complete Blade, MS & Poly
38†	43082-1	Blade Stop Kit	ns†	74414	Label Kit – Complete Blade, SS
ns†	43620	Bolt Bag – Rubber Deflector			
MS = Mild Steel		SS = Stainless Steel	G = Grade		ns = not shown

† Accessory only.

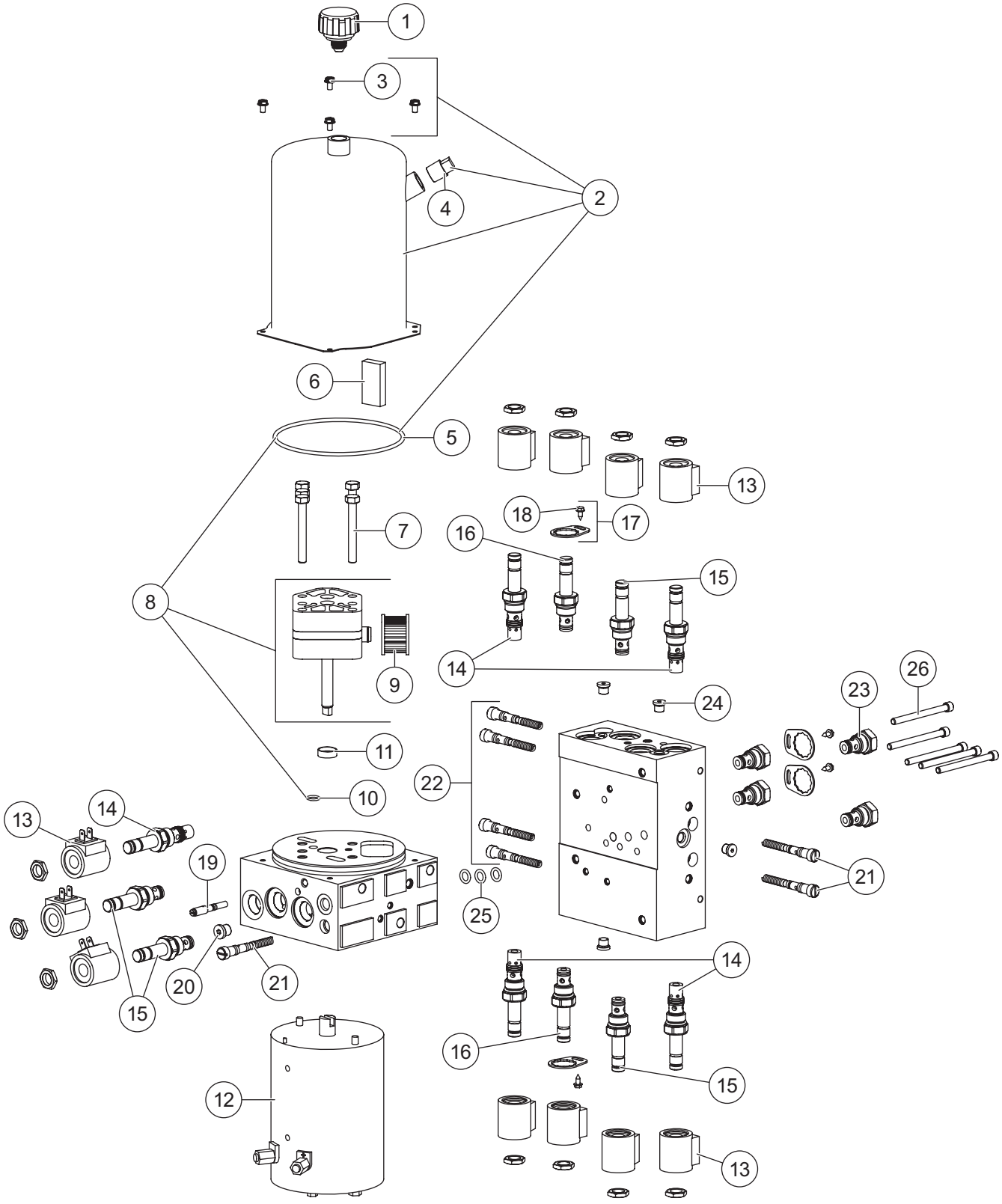
Lift Frame and T-Frame Components



MVP 3 Lift Frame and T-Frame Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	43116	1	T-Frame Service Kit	16†	69689	1	Label – Logo, SECURITY GUARD™
2	63913	4	3/4-10 x 2-1/2 Carriage Bolt G5	17	42496	1	Receiver Kit – DS
3	91338	6	3/4-10 Hex Locknut GB	18	42497	1	Receiver Kit – PS
4	44557-2	1	Pushbeam	19	42498	2	Receiver Pin
5	43301	1	Lift Frame Service Kit	20	91965K-1	2	5/32 Hairpin Cotter
6	43302	1	Light Channel, Red	21	66451	2	3/4-10 x 6 Hex Cap Screw G5
	74401	1	Light Channel, Silver	22	43304	1	Lift Arm Kit
7	67845	1	Stand Assembly – DS (incl. item 9)	23	49645	2	1 x 4-3/4 Clevis Pin Kit
8	67846	1	Stand Assembly – PS (incl. item 9)	24	67842-1	1	Pivot Bar Kit
9	48523	1	Plunger w/Spring	25	67855	1	Pivot Bolt Kit
10	67847	2	Stand Shoe Kit	26	43153	1	Stacking Stop Kit
11	67635	2	1/4 x 2 Roll Pin BP	27	49033	2	1/4 Grade 43 Chain Assembly
12	67844	2	Stand Lock Pin Kit	28	90601	4	1/4 x 1-1/2 Cotter Pin
13	68740	1	3/4 x 3-1/2 Clevis Pin Kit	29	22260	4	1 x 4-3/4 Clevis Pin
14	91147	6	3/4 Flat Washer	30	61246	1	Cable Boot
15	91911K	4	5/32 x 1-1/2 Cotter Pin	31	43358	2	Label – Logo, UltraMount® 2
Item 5			**43301 Lift Frame Service Kit**				
		1	Lift Frame	31	43358	2	Label – Logo, UltraMount 2
16†	69689	1	Label – Logo, SECURITY GUARD	32		2	UHMW Round Flat Washer, Special
Item 22			**43304 Lift Arm Kit**				
		1	Lift Arm	15	91911K	1	5/32 x 1-1/2 Cotter Pin (pkg of 4)
13	68740	1	3/4 x 3-1/2 Clevis Pin Kit	32		2	UHMW Round Flat Washer, Special
14	91147	6	3/4 Flat Washer	33	43351	2	3/4 x 2 Clevis Pin Kit
Item 24			**67842-1 Pivot Bar Kit**				
		1	Pivot Bar	25	67855	1	Pivot Bolt Kit
Item 25			**67855 Pivot Bolt Kit**				
		1	1-8 x 7 Hex Cap Screw G5	35		1	1-8 Hex Locknut GB
34		1	1-8 Hex Jam Nut G5				
Item 27			**49033 1/4 Grade 43 Chain Assembly (2 per snowplow)**				
		1	1/4 x 42 Grade 43 Chain	37	90453	1	3/8-16 x 1-1/2 U-Bolt G5
36	91333	2	3/8-16 Hex Locknut GB				
			ns = not shown				G = Grade

† Not used for central hydraulics.

Hydraulic Unit Components



44320 Hydraulic Unit
48257 Hydraulic Unit Service Kit*
(not used for central hydraulics)

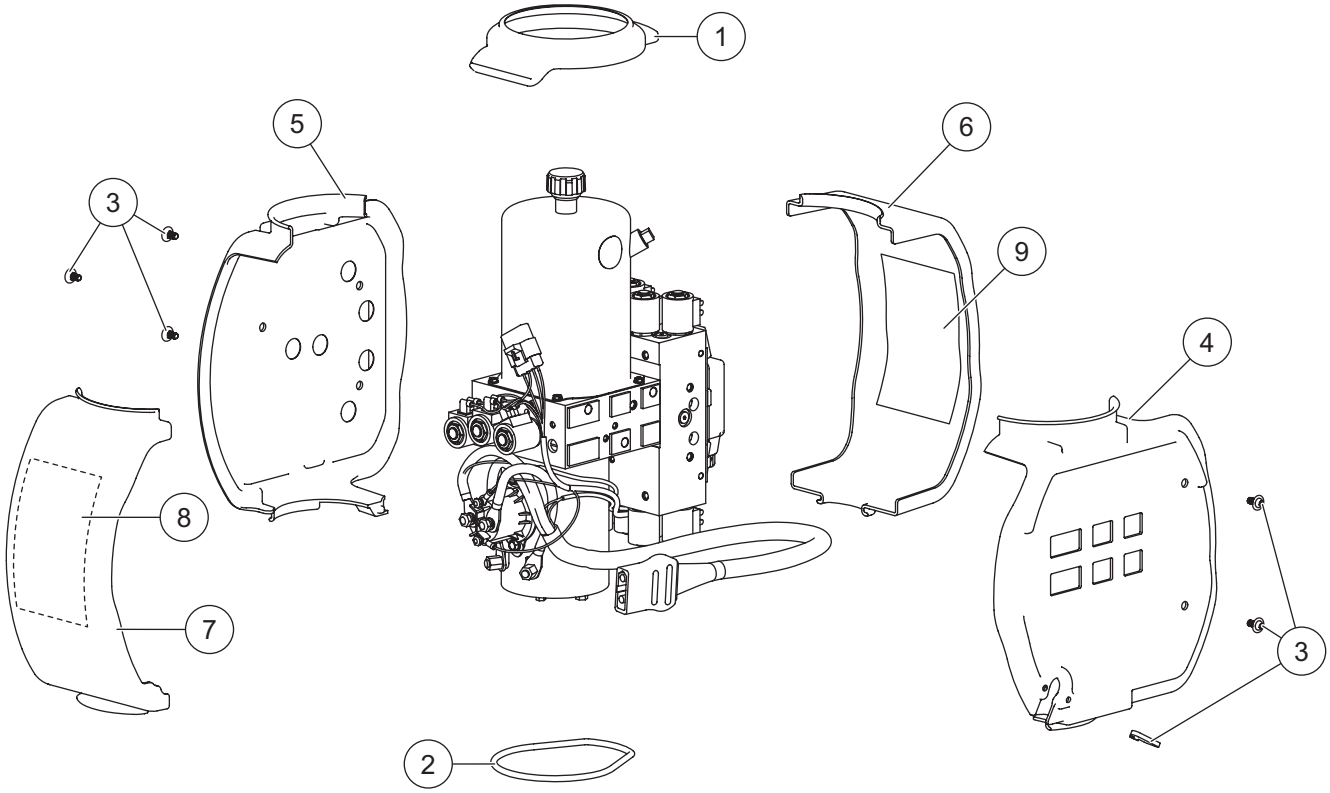
Item	Part	Qty	Description	Item	Part	Qty	Description
1	21727-2K	1	Breather Pressure Control	17	44369	4	Valve Lock Ring w/Screw
2	44327-2	1	Reservoir Kit	18	63943	4	#8-18 x 3/8 Tapping Screw
3	66607	4	#10-24 x 5/16 Machine Screw	19	48517	1	Quill Assembly, 1/2-20 Thread
4	92079	1	Plug, Square 3/8 NPTF	20	44344	1	Plug, Hex Socket –4 M ORB
5	66519	1	O-Ring 2-250	21	49138K-4	1-1/2	Relief Valve Kit (2 sets)
6	73897	1	Magnet	22	44338	2	Relief Valve Kit (2 sets)
7	90080	5	5/16-18 x 2-1/2 Hex Cap Screw G5	23	44334-1	4	Check Valve CV08-20
8	44328-1	1	Pump Kit	24	92960	4	Plug, Hex Socket –3 M ORB
9	56789-4	1	Suction Filter	25	29077	3	O-Ring -110
10	56274	1	O-Ring -013	26	29081	5	1/4-20 x 3 Socket Cap Screw
11	66515	1	Pump Shaft Seal	ns	29099	2	1/4-20 x 1/4 Hex Washer-Head Thread-Rolling Screw
12	21500-1	1	Motor Assembly, 4-1/2"				
13	49230K-2	11	Coil w/Spade Terminals	ns	44326	1	1/4-20 x 1/2 6-Lobe Round Washer-Head Screw (pkg of 5)
14	44332	5	Valve SVCV08-20 w/Nut				
15	49227K-2	4	Valve SV08-2004 w/Nut	ns	44355	2	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw
16	44336	2	Valve SF08-2015 w/Nut				
O-Ring Service Kits							
–	56657-4	–	Back-Up/O-Ring Kit**	–	49259-2	–	Seal Kit – Valves SV08-30, 31, 33, 40, 43 and SVCV08-20
–	49258-2	–	Seal Kit – Valves SV08-2004, CV08-20, SF08-2015				

ns = not shown M = Male G = Grade

* Includes 44320 hydraulic unit, 44325 cover assembly (p. 10) and plow-side electrical components (p. 12).

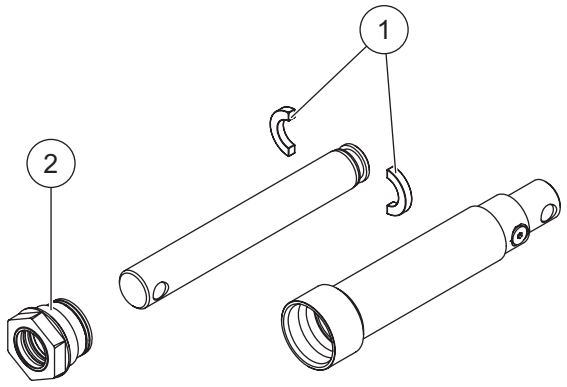
** Does not contain O-rings for cartridge valves.

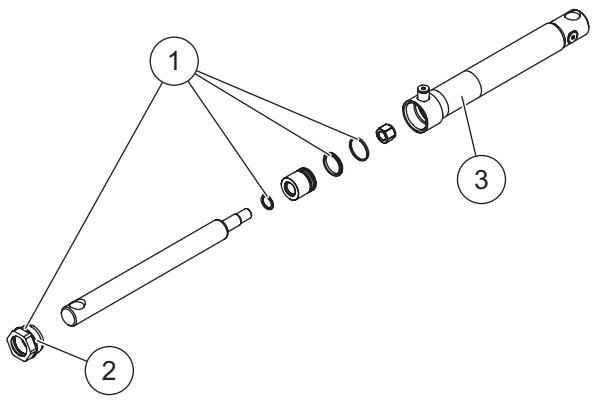
Hydraulic Unit Cover Assembly



48175 Cover Assembly							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	44352	1	Top Retainer Ring	6	44303	1	Cover, Side 3
2	44366	1	Bottom Retainer Ring	7	44304	1	Cover, Side 4
3	44326	1	1/4-20 x 1/2 6-Lobe Round Washer-Head Screw (pkg of 5) w/8" Cable Tie	8	44310	1	Label – Information, Hydraulic (S1–S3)
				9	44319	1	Label – Information, Hydraulic (S4–S11)
4		1	Cover, Side 1	ns	61536	1	Cable Tie 14"
5		1	Cover, Side 2	ns	43223	1	Label – Hydraulic Unit, MVP 3
ns = not shown							

Lift and Angle Ram Components

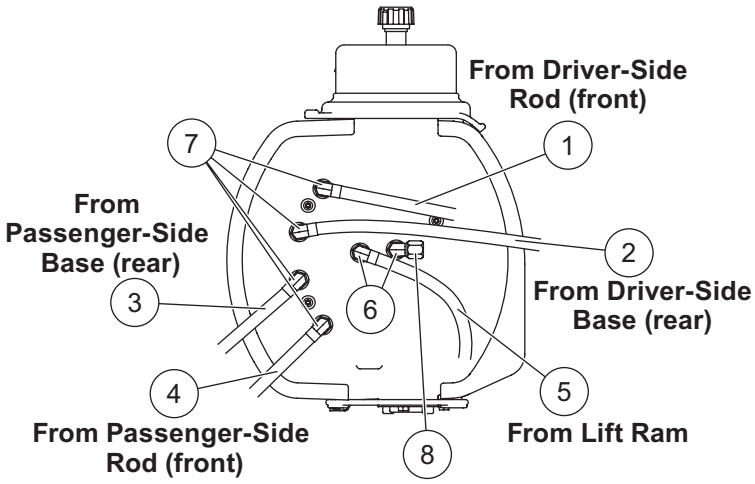


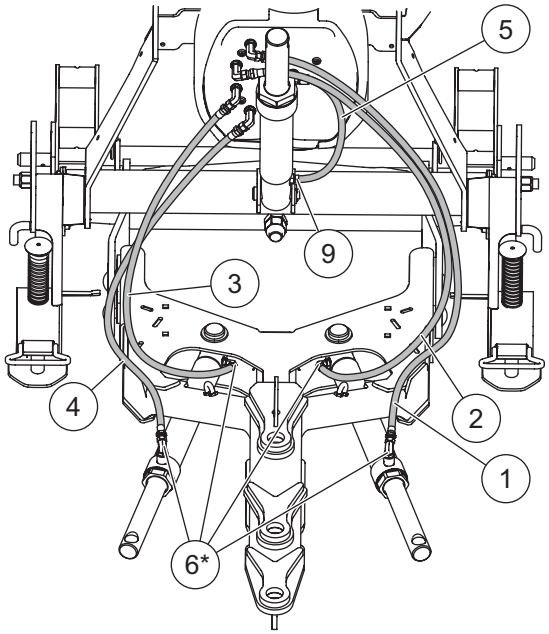


43149 Lift Ram Assembly 1-3/4 x 8			
Item	**Part**	**Qty**	**Description**
1	43134	1	Split Bearing
2	43135	1	Gland Nut Assembly

44341 Angle Ram Assembly 1-3/4 x 11 DA			
Item	**Part**	**Qty**	**Description**
1	44342	1	Seal Kit 1-3/4 DA Ram
2	48985	1	Gland Nut Assembly
3	68675	1	Label – Logo, UltraLock Double-Acting Cylinder

Hoses and Fittings

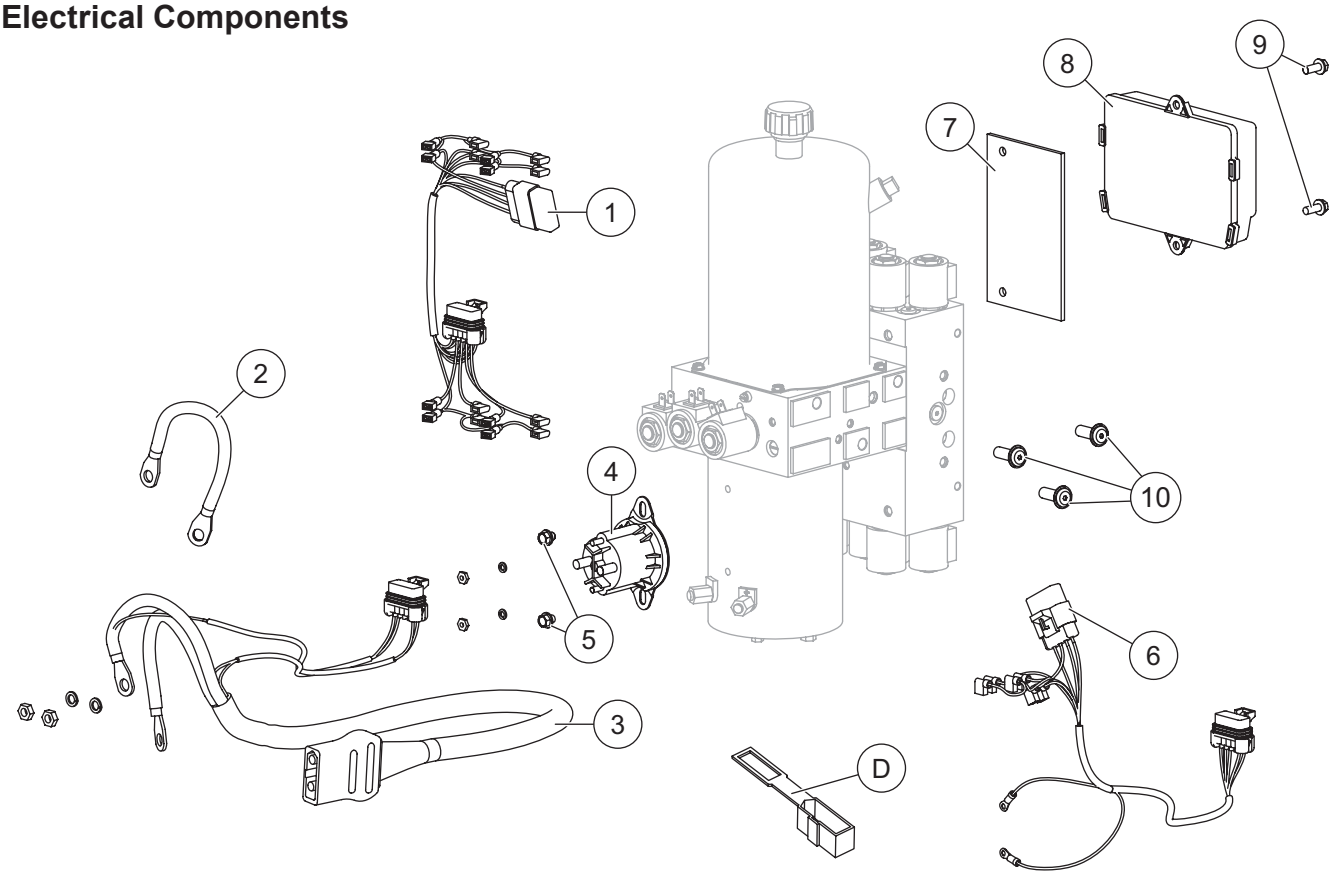




Hoses and Fittings							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	56616-1	1	Hose, 1/4 x 42 w/F JIC Ends	7	64212-1	4	Elbow, Extra Long 90° –6 M JIC/ –6 M ORB
2	44350	1	Hose, 3/8 x 45 w/F JIC Ends				
3	44351	1	Hose, 3/8 x 38 w/F JIC Ends	8	44346	1	Drain Cap, –6 F JIC
4	56599	1	Hose, 1/4 x 36 w/F JIC Ends	9	43750	1	Connector, Short –6 M JIC/–6 M ORB
5	41094	1	Hose, 1/4 x 18 w/F JIC Ends	ns	56823	2	Hose Wrap, Polyethylene
6*	56615-1	6	Elbow, 90° –6 M JIC/–6 M ORB	ns	98043	3	3/8-16 x 1 Button Cap Screw
F = Female				ns = not shown			M = Male

* Also used for central hydraulics, qty 5.

Electrical Components

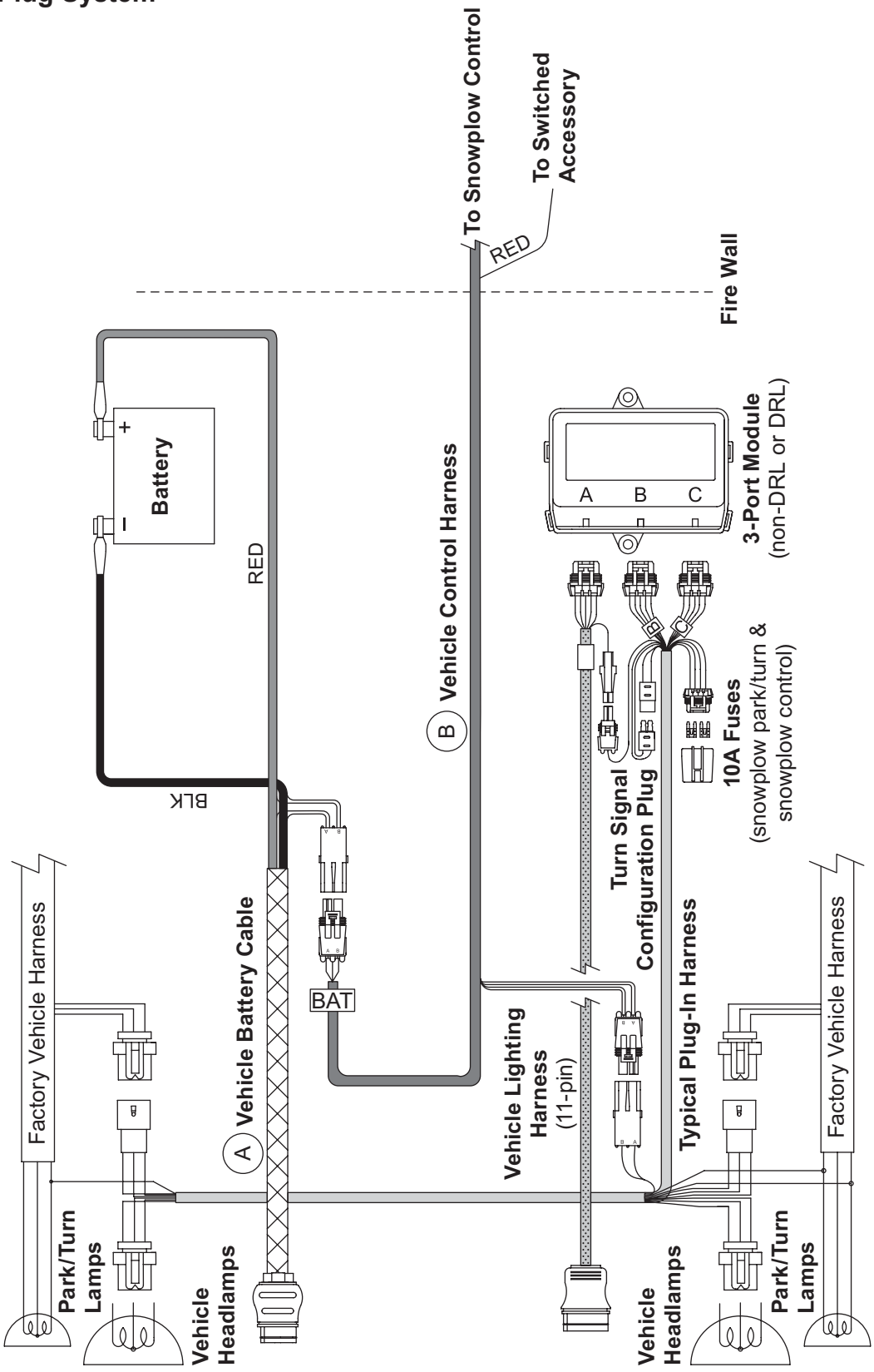


Plow-Side Electrical Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	28583	1	Plow Control Harness, 8-Solenoid	8	44354-3	1	Plow Module
2	29071	1	Cable Assembly 8"	9	44355	2	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw
3	42015	1	Snowplow Battery Cable				
4	42902	1	Motor Relay Kit FLEET FLEX System	10	98043	3	3/8-16 x 1 Button Cap Screw
5	29099	2	1/4-20 x 1/4 Hex Washer-Head Thread-Rolling Screw	ns	56099	1	Dielectric Grease
				ns		4	Fuse, 4A Mini Automotive Blade-Style (for items 1 and 6)
6	28581-1	1	Plow Control Harness, 3-Solenoid				
7	44308	1	Spacer Module				
ns = not shown							

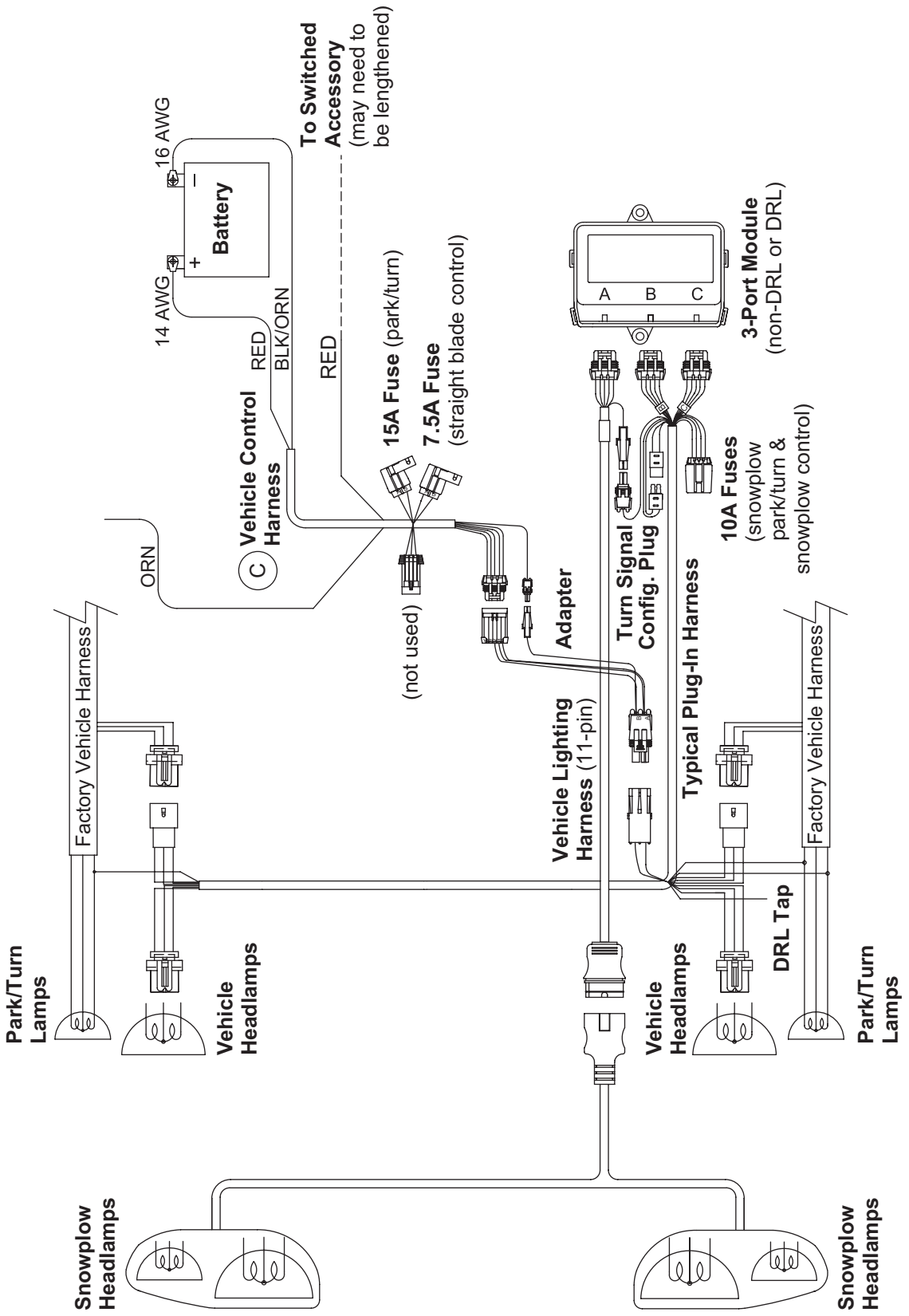
Vehicle-Side Electrical Components (Diagrams on following pages.)							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
A*†	42014	1	Vehicle Battery Cable	D	61548K	1	Plug Cover Kit (shown with plow-side electrical components)
B*	28587	1	Vehicle Control Harness				
C**	26498	1	Vehicle Control Harness – Central Hydraulics				
ns = not shown							

* See Vehicle-Side Harness Diagram.
** See Vehicle-Side Harness Diagram – Central Hydraulics.
† Not used for Central Hydraulics.

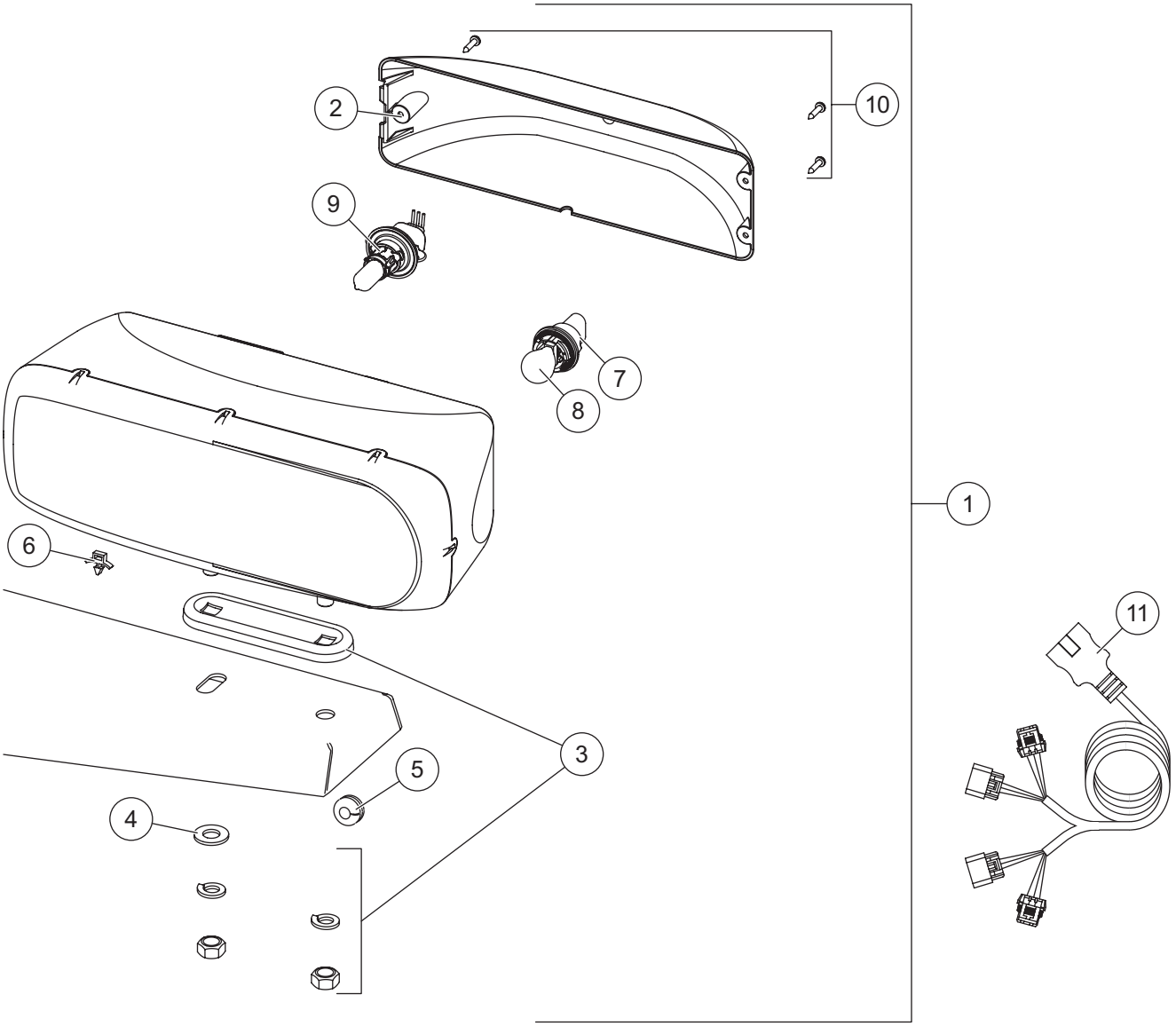
Vehicle-Side Harness Diagram
3-Port, 2-Plug System



Vehicle-Side Harness Diagram – Central Hydraulics



Headlamp Kit



28800-1 Headlamp Kit (pair)							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	28801-1	1	Headlamp Service Kit DS	6	56595	7	Cable Tie Anchor
ns	28802-1	1	Headlamp Service Kit PS	7	28805	2	Park/Turn Socket Service Kit
2	28803-1	2	Rear Cover Kit (fits 2- or 3-screw)	8		2	Park/Turn Bulb (trade no. 4157NAK)
3	28804	2	Mounting Hardware Kit	9	28806	2	Headlamp Bulb Service Kit H13
4	91105	2	1/2 Flat Washer	10	28808-1	2	Cover Screws Service Kit (pkg of 3)
5	66130	2	Rubber Grommet	11	28213W	1	Harness Service Kit
ns = not shown							

Western Products
PO Box 245038
Milwaukee, WI 53224-9538
www.westernplows.com

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