

December 1, 2021
Lit. No. 52312, Rev. 06



8100, 8611
POWER PLOW™ Snowplow
Blade Assembly 77750, 77755
Big Box Assembly 77850
Parts List

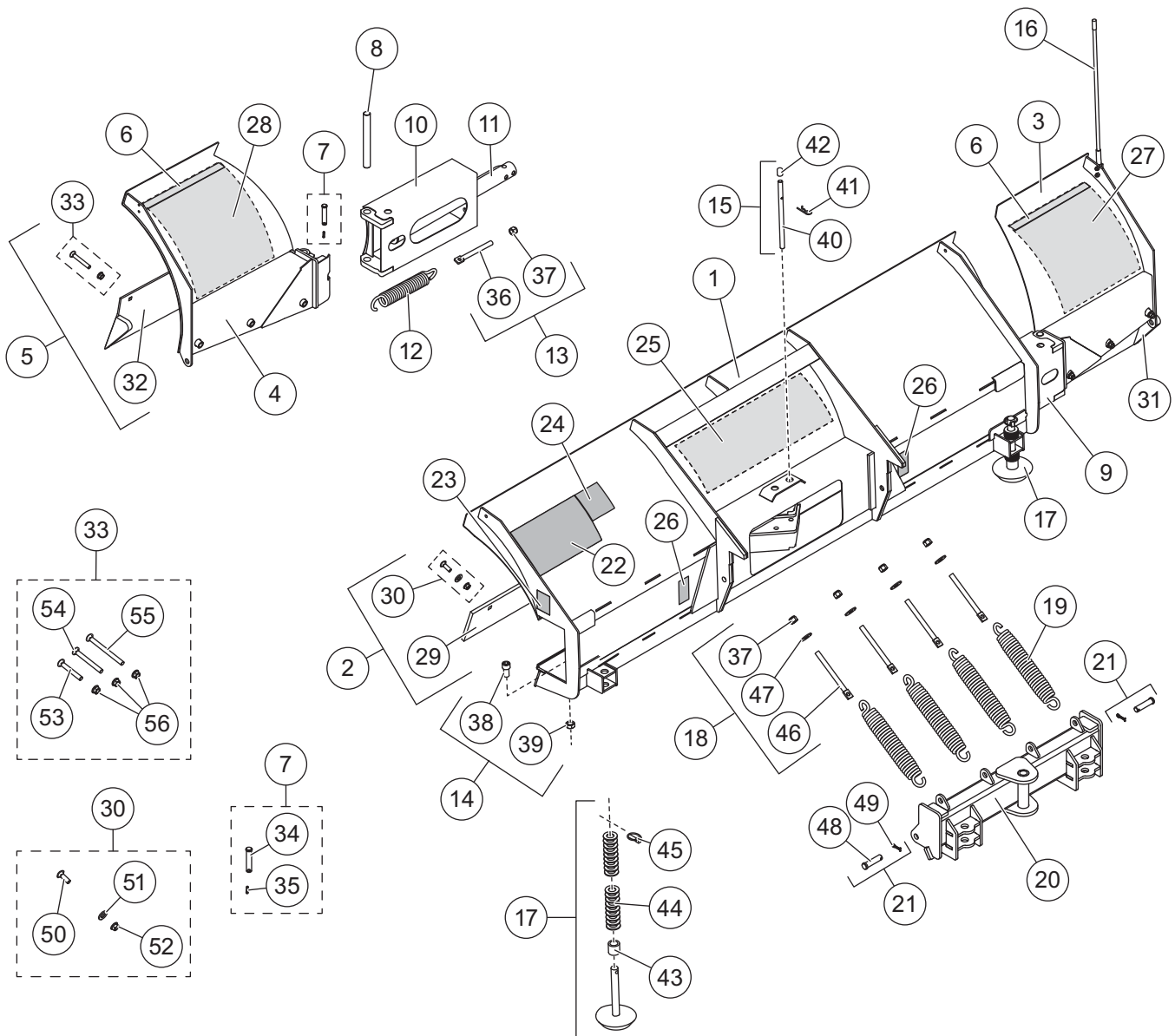


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8100 POWER PLOW™ BLADE ASSEMBLY

8100 Blade Components



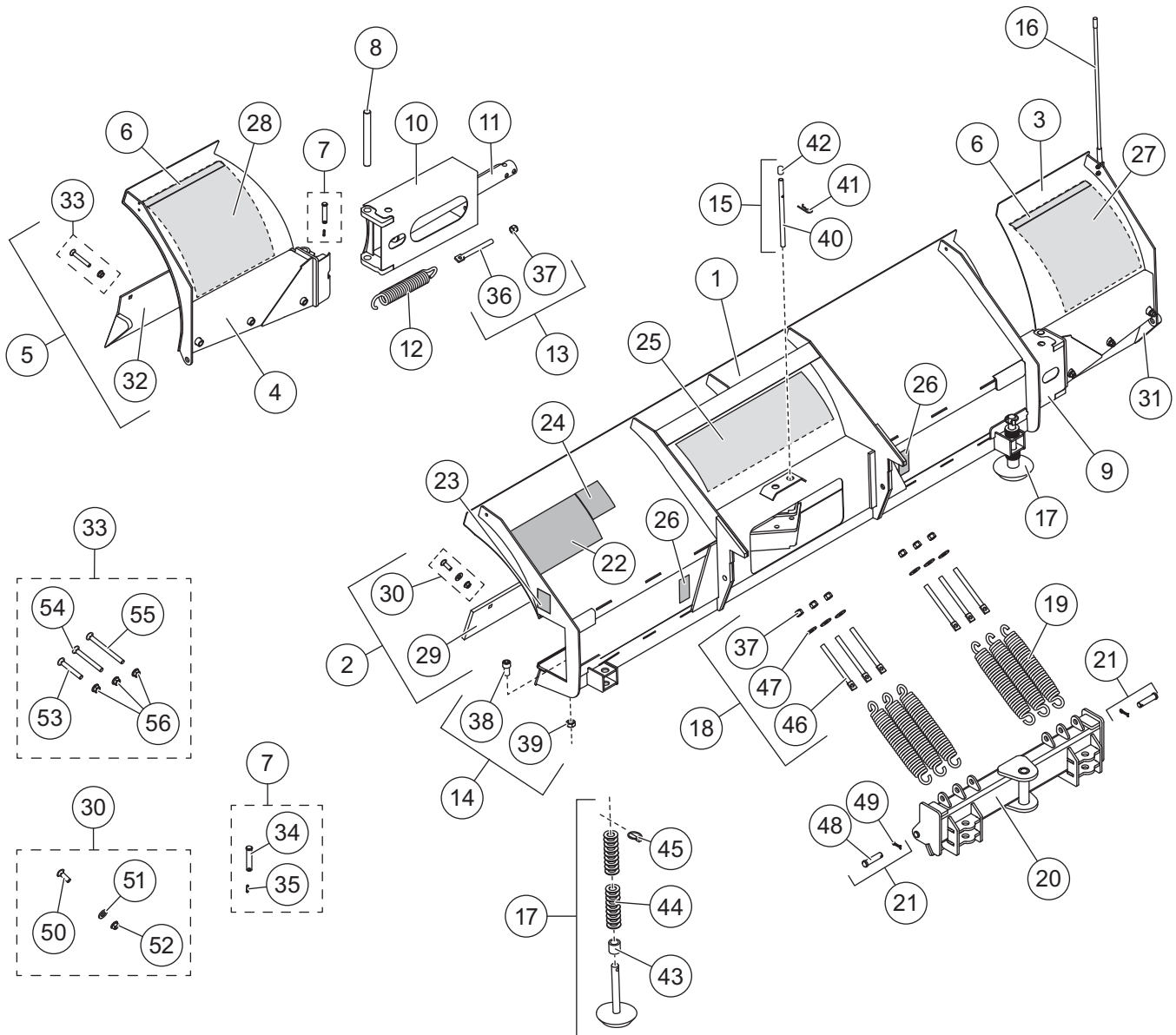
8100 POWER PLOW™ BLADE ASSEMBLY

77750 Blade Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84568	1	Moldboard	16	84525	1	24" Poly Blade Guide Kit (set of 2)
ns	84784	1	Service Moldboard Assembly (items 1–17, 22–28)	ns*	84477	1	36" Poly Blade Guide Kit (set of 2)
2	B52067	1	Moldboard Cutting Edge Kit	17	49071	2	Disc Shoe Assembly
3	84655	1	Blade Wing PP 8100 – PS	18	41132	4	5/8-11 x 7-3/8 Eyebolt Kit
4	84654	1	Blade Wing PP 8100 – DS	19	23039	4	Trip Spring
5	B51104	1	Wing Cutting Edge Kit – DS & PS	20	84578	1	Quadrant 8100 PP
6	50639	2	Wear Strip – Wing Top	21	41123	2	Quadrant Pin Kit
7	84683	2	Wing Pin Kit	22	52203	1	Label – Attach/Detach, Automatixx®
8	B55042	2	Wing Pivot Pin	23	29593	4	Label – Warning, Multiple Pinch Points
9	84659	1	Slide Box – PS	24	59900	1	Label – Warning/Caution, Snowplows
10	84658	1	Slide Box – DS	25	77708	1	Label – Logo, POWER PLOW
11	43803	2	Ram Assembly 1-1/2 x 13-15/16 DA	26	29256	2	Label – Warning, Foot Crush Hazard
ns	43794	2	Seal Kit, Ram Assembly 43803	ns	84644	1	Blade Label Kit, 8100 POWER PLOW (items 22–26)
12	B61167	2	3/8 x 2-5/8 x 12-1/2 Extension Spring	27	77709	1	Wing Label – PS
13	84661	2	Slide Box Eyebolt Kit	28	77711	1	Wing Label – DS
14	84662	2	Slide Box Bolt Kit	ns	77729	1	Wing Labels Kit 8100 (items 27 & 28)
15	84663	2	Slide Box Pin Kit	ns*	84519	1	Rubber Snow Deflector w/Hardware
Item 2 B52067 Moldboard Cutting Edge Kit							
29		1	1/2 Moldboard Cutting Edge	30	B61255	1	Cutting Edge Bolt Kit
Item 5 B51104 Wing Cutting Edge Kit – DS & PS							
31	B51047	1	Wing Cutting Edge – PS	33	B61431	1	POWER PLOW Wing Cutting Edge Bolt Kit
32	B51048	1	Wing Cutting Edge – DS				
Item 7 84683 Wing Pin Kit							
34		1	5/8 x 3 Clevis Pin	35		1	1/4 x 1-1/2 Cotter Pin
Item 13 84661 Slide Box Eyebolt Kit							
36		1	5/8-11 x 4-3/8 Spade Bolt	37		1	5/8-11 Hex Locknut GB
Item 14 84662 Slide Box Bolt Kit							
38		1	3/4-10 x 1-1/2 Socket Head Cap Screw	39		1	3/4-10 Hex Locknut G8
Item 15 84663 Slide Box Pin Kit							
40		1	Slide Box Extend/Retract Pin	42		1	5/8 ID x 3/4 OD x 1 Black Vinyl Cap
41		1	1/8 x 2-5/8 Hairpin Cotter				
Item 17 49071 Disc Shoe Assembly							
43	60045	1	1-1/8 ID x 1-5/8 OD x 1-1/2 Spacer	45	93010	1	7/16 x 1-3/4 Linchpin
44	91192	24	1" Flat Washer Special				
Item 18 41132 5/8-11 x 7-3/8 Eyebolt Kit							
37		1	5/8-11 Hex Locknut GB	47		1	5/8 Hardened Flat Washer
46		1	5/8-11 x 7-3/8 Spade Bolt GZ				
Item 21 41123 Quadrant Pin Kit							
48		1	3/4 x 3 Clevis Pin G8	49		1	1/4 x 1-1/2 Cotter Pin
Item 30 B61255 Cutting Edge Bolt Kit							
50		7	1/2-13 x 1-3/4 Carriage Bolt G8	52		7	1/2-13 Hex Locknut GB
51		7	1/2 Hardened Flat Washer				
Item 33 B61431 POWER PLOW Wing Cutting Edge Bolt Kit							
53		2	1/2-13 x 3-1/2 Carriage Bolt G8	55		2	1/2-13 x 5-3/4 Carriage Bolt G8
54		2	1/2-13 x 4-1/2 Carriage Bolt G8	56		6	1/2-13 Flanged Locknut
ns = not shown				G = Grade			

* Accessory only.

8611 POWER PLOW™ BLADE ASSEMBLY

8611 Blade Components



8611 POWER PLOW™ BLADE ASSEMBLY

77755 Blade Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84569	1	Moldboard	16	84525	1	24" Poly Blade Guide Kit (set of 2)
ns	84809	1	Service Moldboard Assembly (items 1–17, 22–28)	ns*	84477	1	36" Poly Blade Guide Kit (set of 2)
2	B52095	1	Moldboard Cutting Edge Kit	17	49071	2	Disc Shoe Assembly
3	84657	1	Blade Wing PP 8611 – PS	18	41132	6	5/8-11 x 7-3/8 Eyebolt Kit
4	84656	1	Blade Wing PP 8611 – DS	19	23039	6	Trip Spring
5	B61687	1	Wing Cutting Edge Kit – DS & PS	20	84579	1	Quadrant 8611 PP
6	50639	2	Wear Strip – Wing Top	21	41123	2	Quadrant Pin Kit
7	84683	2	Wing Pin Kit	22	52203	1	Label – Attach/Detach, Automatixx®
8	B55042	2	Wing Pivot Pin	23	29593	4	Label – Warning, Multiple Pinch Points
9	84659	1	Slide Box – PS	24	59900	1	Label – Warning/Caution, Snowplows
10	84658	1	Slide Box – DS	25	77708	1	Label – Logo, POWER PLOW
11	43802	2	Ram Assembly 1-3/4 x 18-7/16 DA	26	29256	2	Label – Warning, Foot Crush Hazard
ns	43793	2	Seal Kit, Ram Assembly 43802	ns	84645	1	Blade Label Kit, 8611 POWER PLOW (items 22–26)
12	B61167	2	3/8 x 2-5/8 x 12-1/2 Extension Spring	27	77713	1	Label – POWER PLOW Wing, PS
13	84661	2	Slide Box Eyebolt Kit	28	77712	1	Label – POWER PLOW Wing, DS
14	84662	2	Slide Box Bolt Kit	ns	77731	1	Wing Labels Kit 8611 (items 27 & 28)
15	84663	2	Slide Box Pin Kit	ns*	84520	1	Rubber Snow Deflector w/Hardware
Item 2 B52095 Moldboard Cutting Edge Kit							
29		1	1/2 Moldboard Cutting Edge	30	B61255	1	Cutting Edge Bolt Kit
Item 5 B61687 Wing Cutting Edge Kit – DS & PS							
31	B55007	1	Wing Cutting Edge – PS	33	B61431	1	POWER PLOW Wing Cutting Edge Bolt Kit
32	B55006	1	Wing Cutting Edge – DS				
Item 7 84683 Wing Pin Kit							
34		1	5/8 x 3 Clevis Pin	35		1	1/4 x 1-1/2 Cotter Pin
Item 13 84661 Slide Box Eyebolt Kit							
36		1	5/8-11 x 4-3/8 Spade Bolt	37		1	5/8-11 Hex Locknut GB
Item 14 84662 Slide Box Bolt Kit							
38		1	3/4-10 x 1-1/2 Socket Head Cap Screw	39		1	3/4-10 Hex Locknut G8
Item 15 84663 Slide Box Pin Kit							
40		1	Slide Box Extend/Retract Pin	42		1	5/8 ID x 3/4 OD x 1 Black Vinyl Cap
41		1	1/8 x 2-5/8 Hairpin Cotter				
Item 17 49071 Disc Shoe Assembly							
43	60045	1	1-1/8 ID x 1-5/8 OD x 1-1/2 Spacer	45	93010	1	7/16 x 1-3/4 Linchpin
44	91192	24	1" Flat Washer Special				
Item 18 41132 5/8-11 x 7-3/8 Eyebolt Kit							
37		1	5/8-11 Hex Locknut GB	47		1	5/8 Hardened Flat Washer
46		1	5/8-11 x 7-3/8 Spade Bolt GZ				
Item 21 41123 Quadrant Pin Kit							
48		1	3/4 x 3 Clevis Pin G8	49		1	1/4 x 1-1/2 Cotter Pin
Item 30 B61255 Cutting Edge Bolt Kit							
50		7	1/2-13 x 1-3/4 Carriage Bolt G8	52		7	1/2-13 Hex Locknut GB
51		7	1/2 Hardened Flat Washer				
Item 33 B61431 POWER PLOW Wing Cutting Edge Bolt Kit							
53		2	1/2-13 x 3-1/2 Carriage Bolt G8	55		2	1/2-13 x 5-3/4 Carriage Bolt G8
54		2	1/2-13 x 4-1/2 Carriage Bolt G8	56		6	1/2-13 Flanged Locknut
ns = not shown				G = Grade			

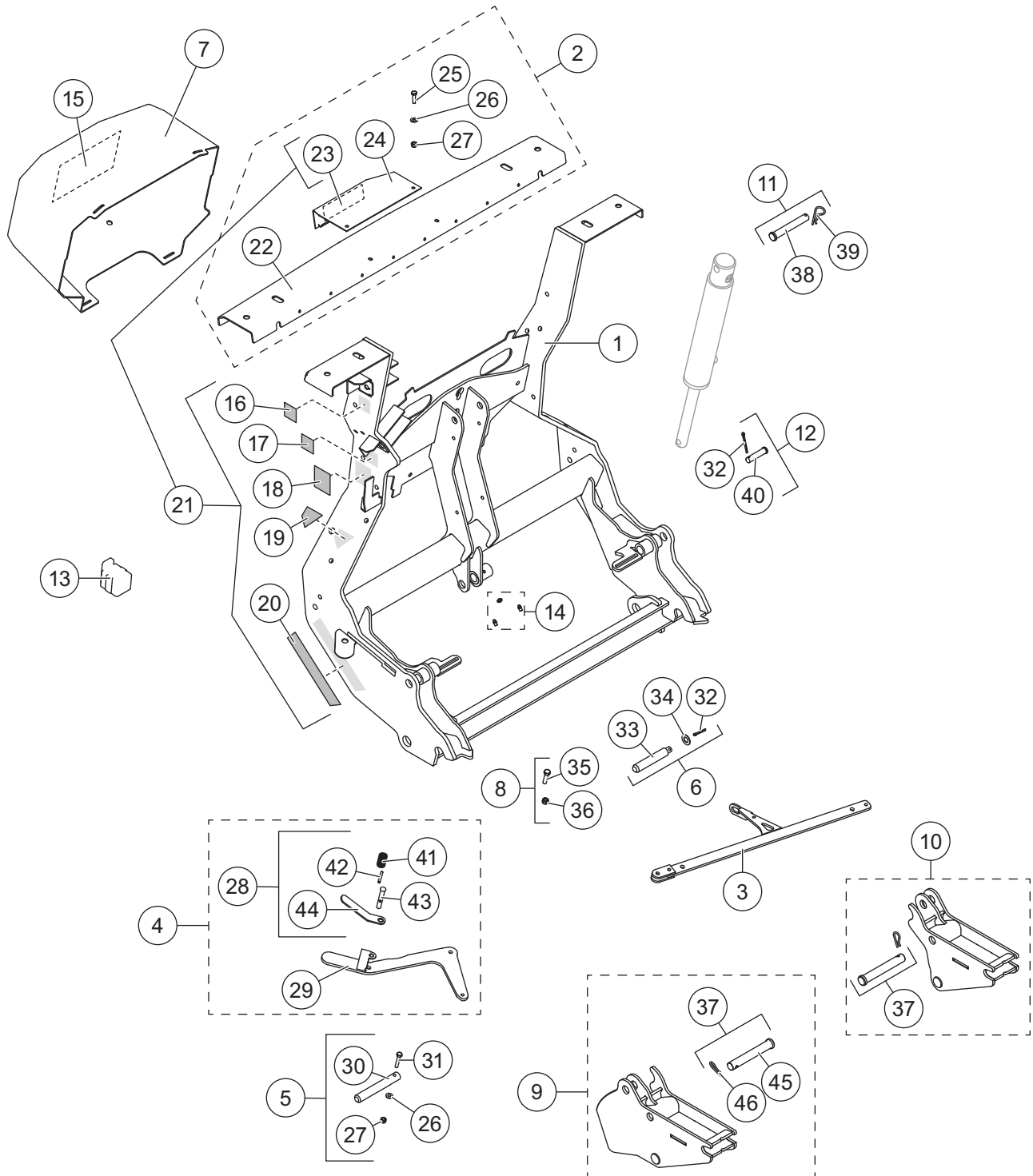
* Accessory only.

A-FRAME ASSEMBLY

A-Frame Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84591	1	A-Frame	5	84593	1	Stand Kit
2	49479-1	2	Hose Bracket Kit	6	84615	1	Stand Hardware Kit
3	49768	1	Pivot Bolt Kit	7	57968	4	1 x 4 Clevis Pin Kit
4	84623	2	A-Frame Pin Kit				
Item 2				49479-1 Hose Bracket Kit			
8		1	Hose Bracket	9		1	1/4-20 x 1-1/4 Socket Head Cap Screw
Item 3				49768 Pivot Bolt Kit			
10		1	1-8 x 9 Hex Cap Screw Special G5	11		1	1-8 Hex Locknut GB
Item 4				84623 A-Frame Pin Kit			
12		1	1 x 4-3/4 Clevis Pin	14		1	1/4 x 1-1/2 Cotter Pin
13		1	1" Flat Washer Special				
Item 5				84593 Stand Kit			
6	84615	1	Stand Hardware Kit	15		1	Stand
Item 6				84615 Stand Hardware Kit			
16		1	1/2 x 3-11/16 Clevis Pin	18		1	Stand Spring Spacer
17		1	Stand Torsion Spring	19		1	5/32 x 1-1/2 Cotter Pin
Item 7				57968 1 x 4 Clevis Pin Kit			
14		1	1/4 x 1-1/2 Cotter Pin	20		1	1 x 4 Clevis Pin
G = Grade							

HEADGEAR ASSEMBLY

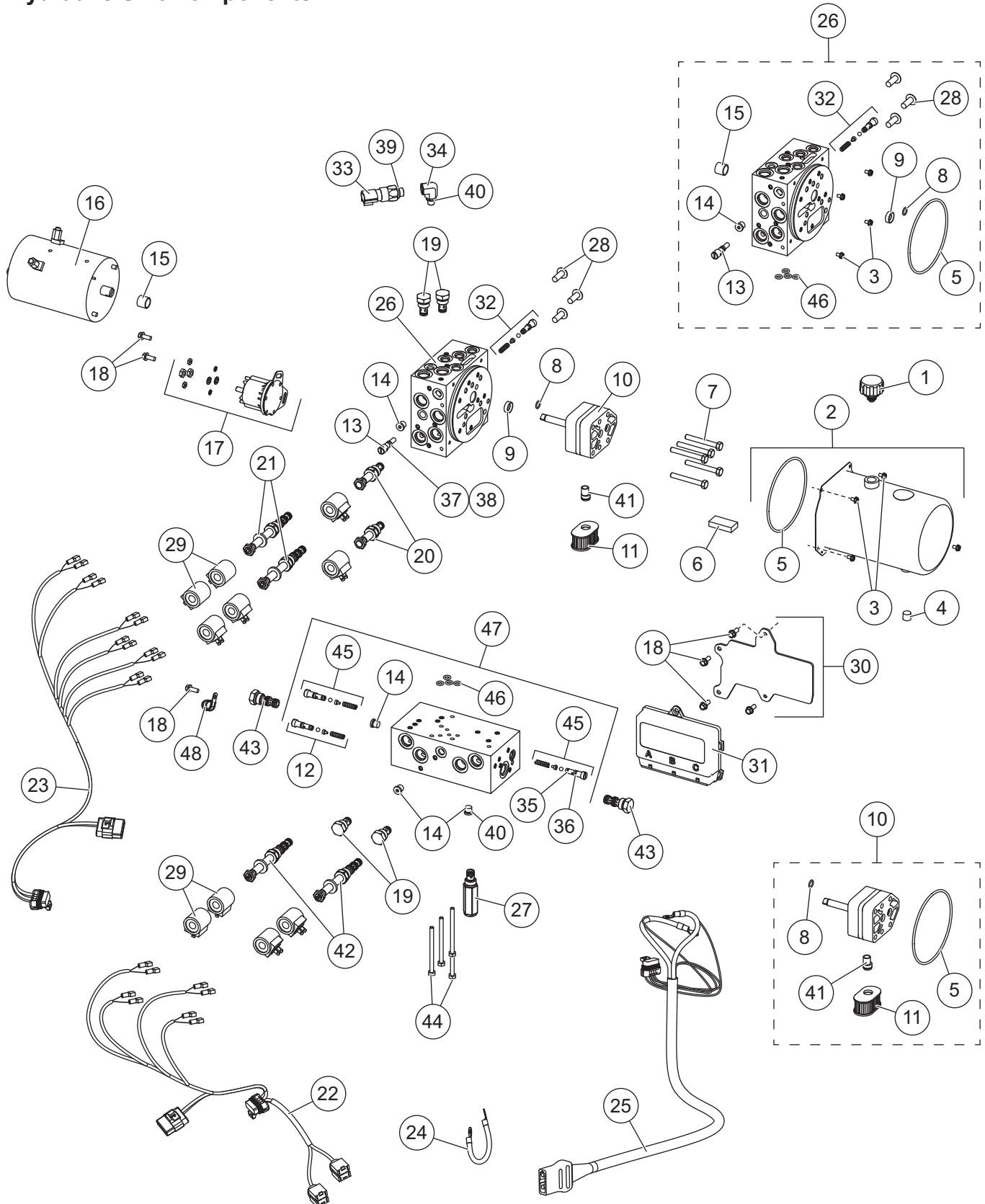
Headgear Components



* Refer to the POWER PLOW™ Snowplow Installation Instructions to confirm when tall receivers are required.

HYDRAULIC AND ELECTRICAL COMPONENTS

Hydraulic Unit Components



HYDRAULIC AND ELECTRICAL COMPONENTS

52647 Hydraulic Unit							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	48278	1	Breather	26	52259	1	Manifold Assembly w/o Valves PP
2	49486	1	Reservoir Kit	27	42889	1	Relief Valve 4000 psi
3	66607	4	#10-24 x 5/16 Machine Screw	28	98043	3	3/8-16 x 1 Button Cap Screw
4	92095	1	Plug, Hex Socket 1/4 NPTF	29	52294	10	Coil
5	66519	1	O-Ring 2-250	30	52293	1	Module Plate
6	73897	1	Magnet	31	52292-1	1	Module – Plow Control
7	90080	5	5/16-18 x 2-1/2 Hex Cap Screw G5	32	52284	1	Relief Valve (1 set)
8	56274	1	O-Ring -013	33	52296	1	Pressure Switch (incl. item 39)
9*	66515	1	Pump Shaft Seal	34	52295	1	Elbow, 90° –4 M ORB/–6 F ORB (incl. item 40)
ns	52252	1	Seal Repair Tool Kit w/Seal	35	55371	4	O-Ring -008
10	49487	1	Hydraulic Pump Kit	36	25731	4	O-Ring -010
11	48281	1	Filter	37	48239	1	O-Ring -106
12	52282	1	Relief Valve (1 set)	38	48240	1	Back-Up O-Ring -106
13	48517	1	Quill (includes items 37 & 38)	39	56569	1	O-Ring -906
14	44344	4	Plug, Hex Socket –4 M ORB	40	44343	5	O-Ring -904
15†	56364	1	Bearing Sleeve	41	10887	1	Fitting, Hydraulic Pump Inlet
ns	52251	1	Bearing Repair Tool Kit w/Bearing	42	52286	2	Valve 4-Way 3-Pos. w/Nut & Spacer
16	52281	1	Motor	43	49488	2	Valve 3-Way PO Check
17	52290	1	Motor Relay Kit, FLEET FLEX System	44	90696	4	1/4-20 x 3-1/2 Hex Cap Screw G5
18	44355	7	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw	45	52283	1	Relief Valve (2 sets)
19	84934	2	Check Valve	46	43818	4	O-Ring -109
20	84936	2	Valve, 2-Way NC w/Rev Flow	47	52261	1	Secondary Manifold Assy w/o Valves
21	52285	1	Valve, 4-Way, 3-Position, Closed Ctr	48	65340	1	Clamp Loop #10
22	52108	1	Plow Control Harness, 4-Coil	49	84937	1	Valve, 4-Way, 3-Position
23	52079	1	Plow Control Harness, 6-Coil	50	48287	2	Check Valve
24	29071	1	Cable Assembly, 8" – Red	ns		3	Fuse, 5A Mini Automotive-Style (for items 22 & 23)
25	52291	1	Plow Battery Cable				
Item 2				49486 Reservoir Kit			
3	66607	4	#10-24 x 5/16 Machine Screw	5	66519	1	O-Ring 2-250
4	92095	1	Plug, Hex Socket 1/4 NPTF				
Item 10				49487 Hydraulic Pump Kit			
5	66519	1	O-Ring 2-250	41	10887	1	Fitting, Hydraulic Pump Inlet
8	56274	1	O-Ring -013	ns		1	Alignment Ring
11	48281	1	Filter	ns		1	Pump Shaft Tool
Item 26				52259 Manifold Assembly w/o Valves PP			
3	66607	4	#10-24 x 5/16 Machine Screw	14	44344	1	Plug, Hex Socket –4 M ORB
5	66519	1	O-Ring 2-250	15	56364	1	Bearing Sleeve
8	56274	1	O-Ring -013	28	98043	3	3/8-16 x 1 Button Cap Screw
9	66515	1	Pump Shaft Seal	32	52284	1	Relief Valve (1 set)
13	48517	1	Quill	46	43818	4	O-Ring -109
Item 47				52261 Secondary Manifold Assembly w/o Valves			
12	52282	1	Relief Valve (1 set)	45	52283	1	Relief Valve (2 sets)
14	44344	3	Plug, Hex Socket –4 M ORB	46	43818	4	O-Ring -109
O-Ring Service Kits							
–	52298	–	O-Ring Kit	–	48310	–	Seal Kit, 2-Way Valves
–	48309	–	Seal Kit, 3-Way & 4-Way Valves				
ns = not shown				F = Female			
				M = Male			
				G = Grade			

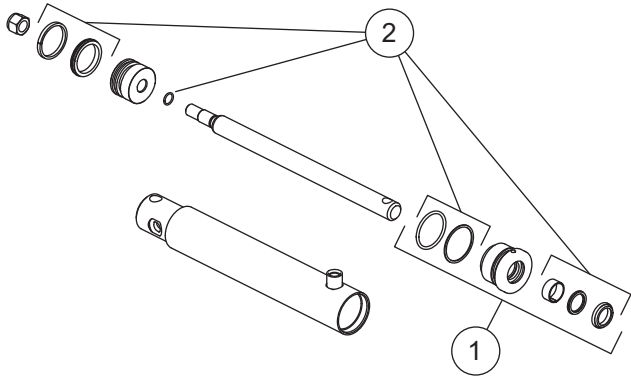
* Use 52252 tool to install.

† Use 52251 tool to install.

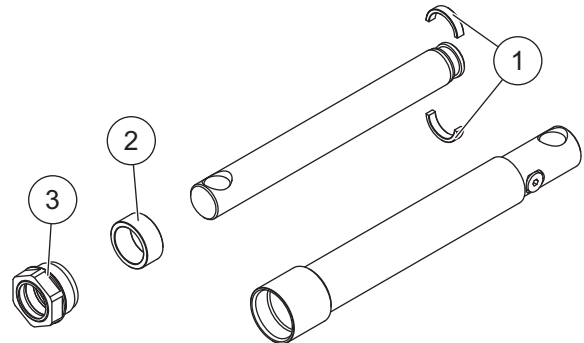
Go to www.snowexproducts.com for hydraulic unit service information and specifications.

HYDRAULIC AND ELECTRICAL COMPONENTS

Lift and Angle Ram Components



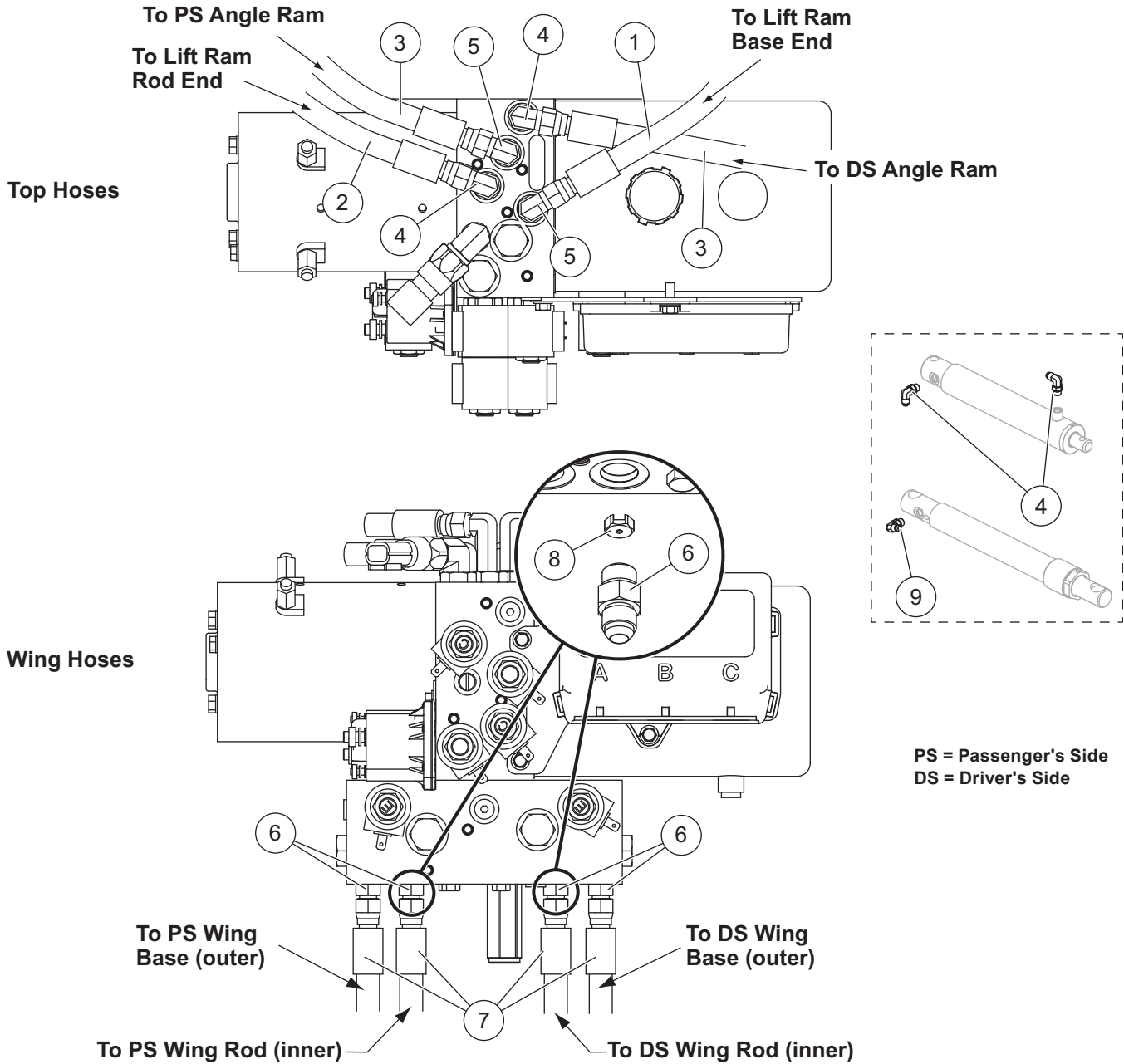
84420 Lift Ram Assembly 2 x 9-3/4 DA			
Item	Part	Qty	Description
1	49499	1	Gland Assembly 1"
2	48520	1	Seal Kit 2" DA Ram



84421 Angle Ram Assembly 1-1/2 x 12			
Item	Part	Qty	Description
1	57879	1	Split Bearing Kit
2	56537	1	Spacer
3	48985	1	Gland Nut Assembly

HYDRAULIC AND ELECTRICAL COMPONENTS

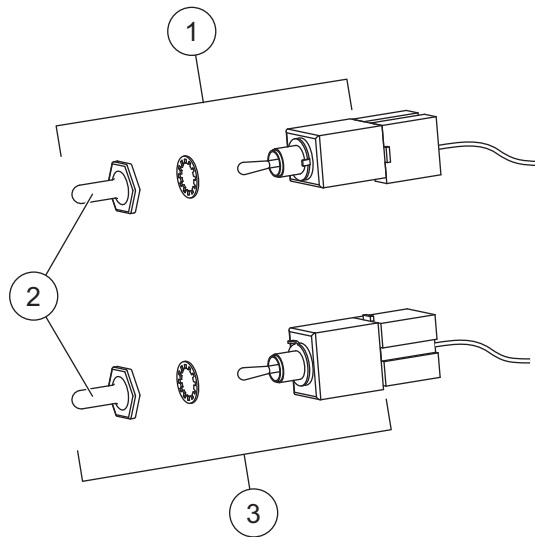
Hoses and Fittings



Hoses and Fittings						
Item	Part	Qty	Description	Item	Part	Qty Description
1	84446	1	Hose, 1/4 x 14 w/F JIC Ends	6	B60007	4 Connector, Short –6 M JIC/ –6 M ORB
2	84453	1	Hose, 1/4 x 20 w/F JIC Ends	7	52279	4 Hose, 3/8 x 45 w/F JIC ends
3	52304	2	Hose, 3/8 x 36 w/F JIC Ends	8	52297	2 Orifice Plate
4	40571	4	Elbow, 90° –6 M JIC/–6 M ORB	9	77929	1 Elbow, 90° –6 M JIC/–6 M ORB w/Screen
5	40572	2	Elbow, Extra Long 90° –6 M JIC/ –6 M ORB			
ns	56823	5	Hose Wrap			
F = Female			ns = not shown		M = Male	

HYDRAULIC AND ELECTRICAL COMPONENTS

Electrical Components

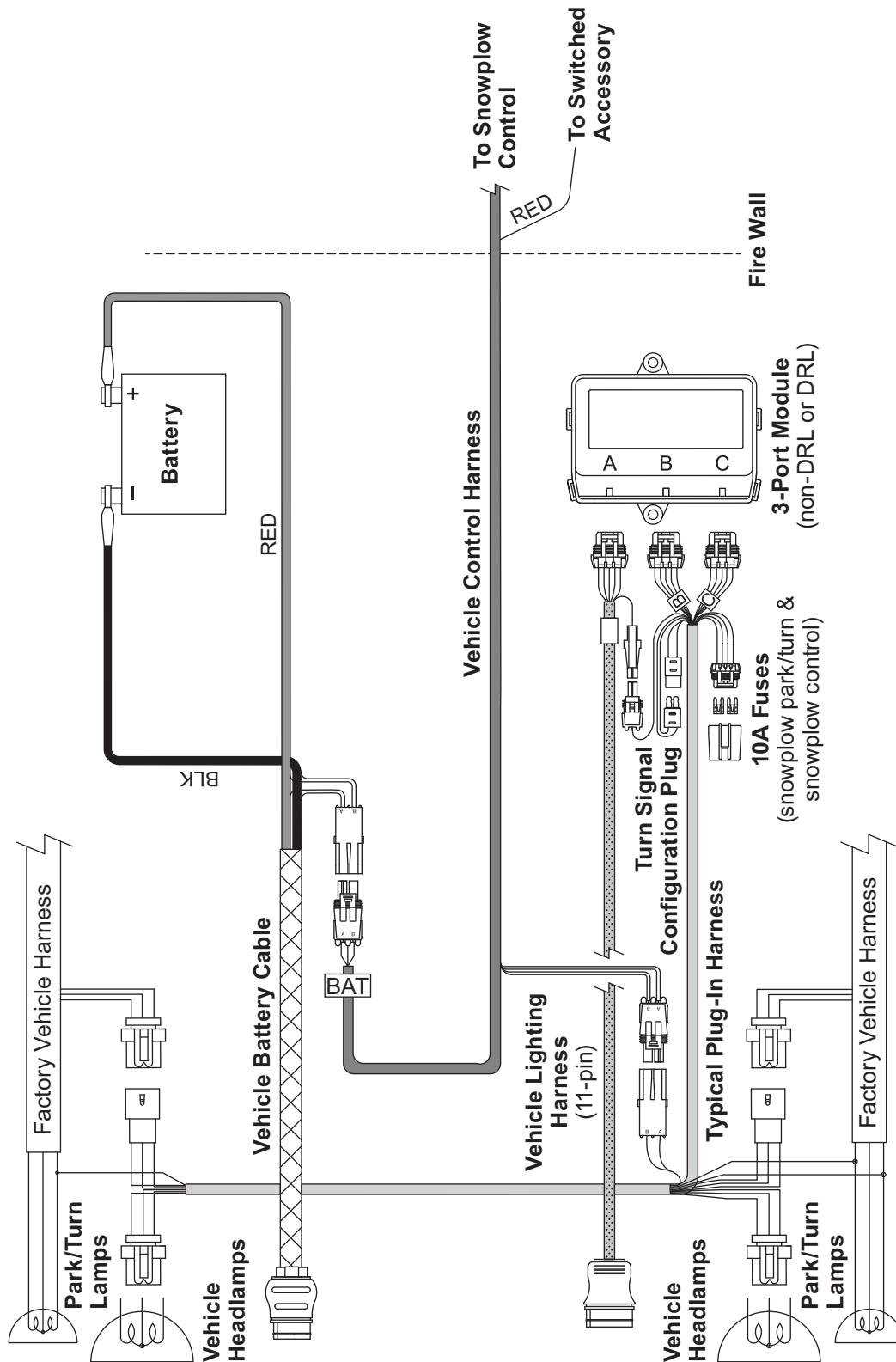


Plow-Side Electrical Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	40575	1	Toggle Switch (MOM-ON, OFF, ON)	3	40576	1	Toggle Switch (MOM-ON, OFF, MOM-ON)
2	48259	2	Switch Boot				
Vehicle-Side Electrical Components							
*	72527	1	Vehicle Battery Cable	ns	48325	2	Plug Cover
*	28587	1	Vehicle Control Harness				
ns = not shown							

* For diagram see Vehicle-Side Harness Diagram.

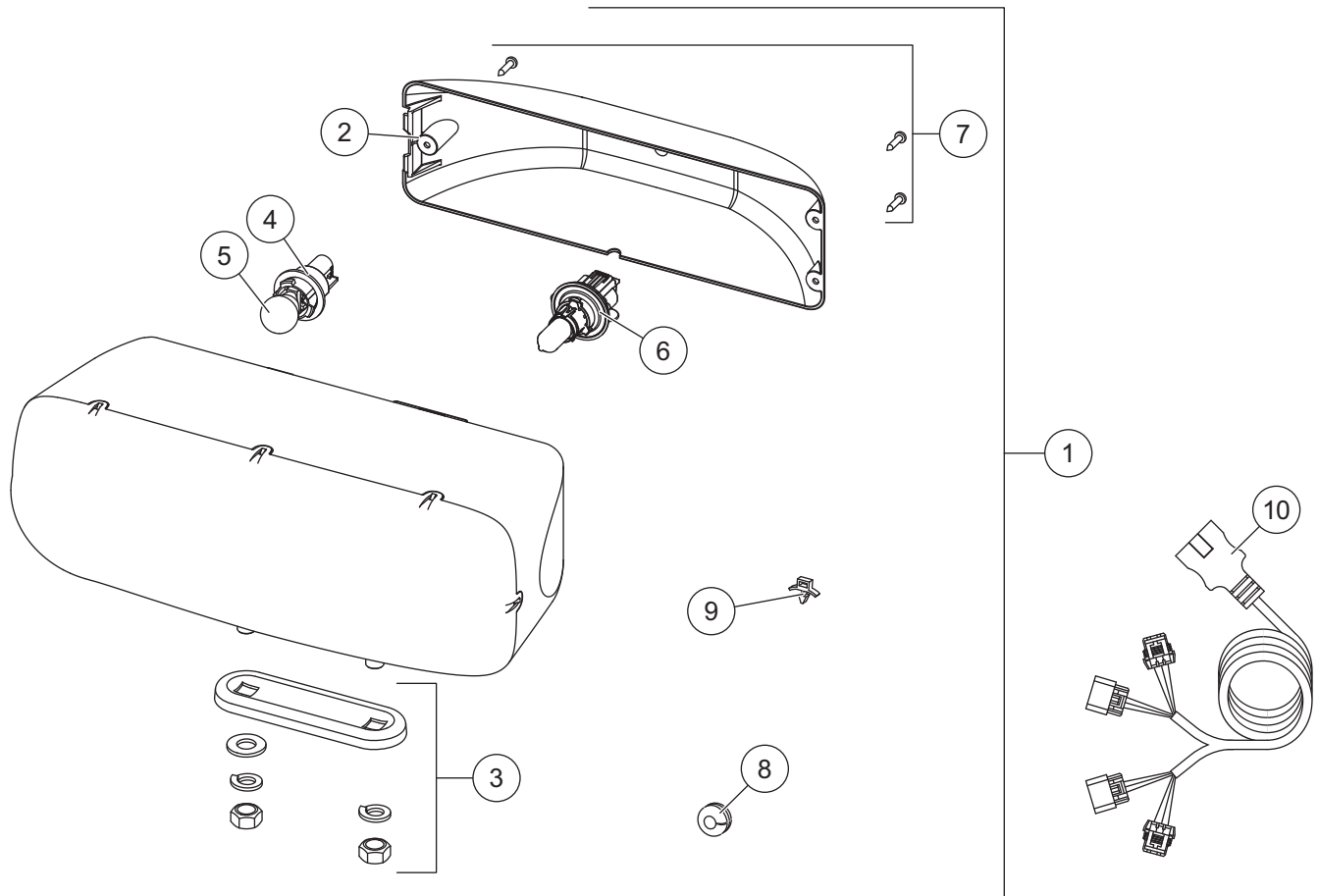
VEHICLE-SIDE HARNESS DIAGRAM

Vehicle-Side Harness Diagram



HEADLAMPS

Headlamp Components



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



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