

December 1, 2021
Lit. No. 52309, Rev. 04



8600

SPEEDWING™ Snowplow

Blade Assembly 77740
Big Box Assembly 77840

Parts List



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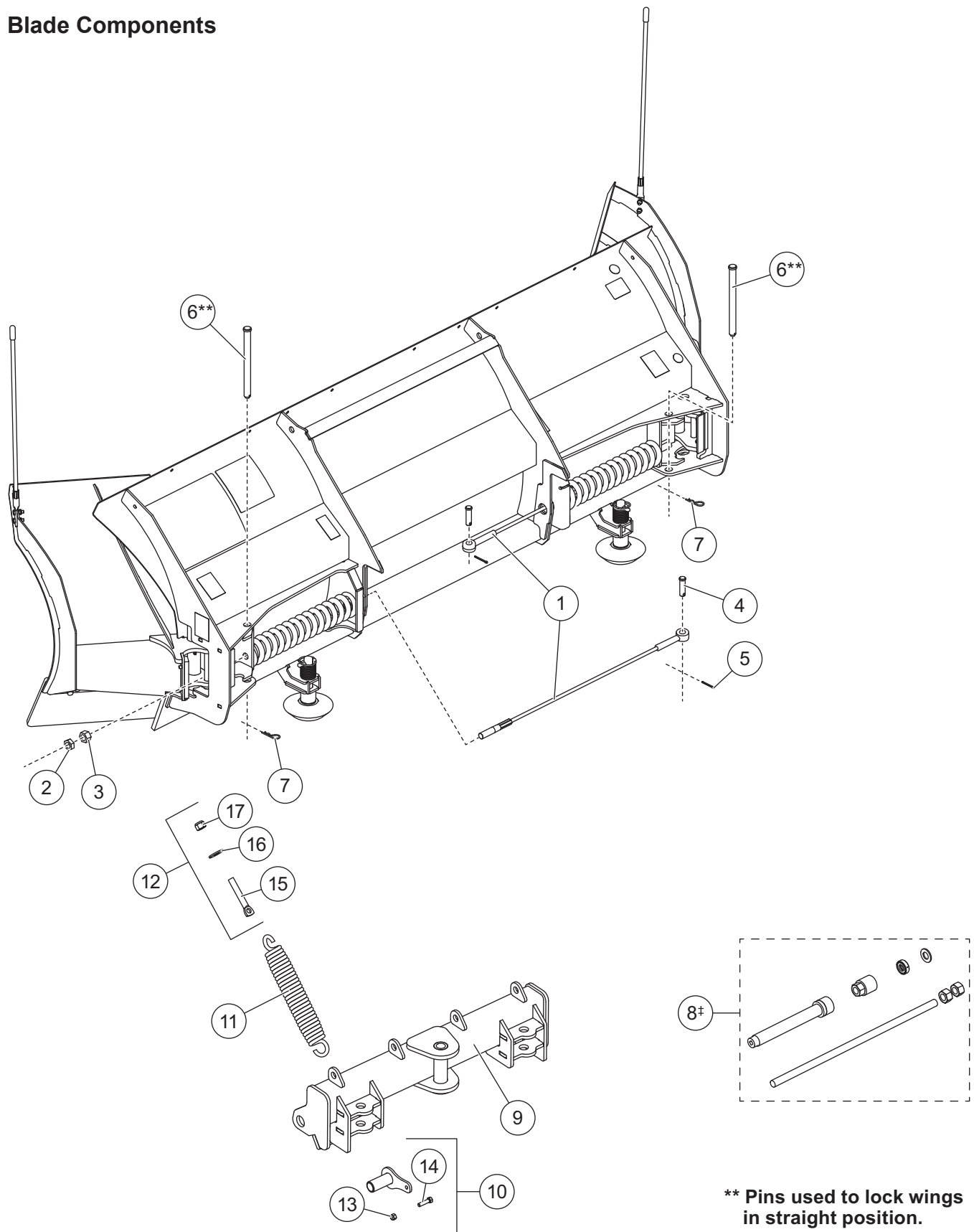
SPEEDWING™ BLADE ASSEMBLY

77740 Blade Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84559	1	Moldboard (w/labels)	16	42383	1	Wing Cutting Edge Kit (DS & PS)
2	84462	1	Moldboard Cutting Edge Kit	17	84684	1	Wing Cutting Edge Hardware Kit
3	41774	1	Bolt Bag – Moldboard Cutting Edge	18	84525	1	24" Blade Guides (set of 2)
4	53595	2	Plow Shoe Assembly	ns	84477*	1	36" Poly Blade Guides (set of 2)
5	B61614	2	Plug, Ø1.00 Finishing	19*	84518	1	Deflector Kit
6	42725	2	Compression Spring	20*	84461	1	Back Drag Edge
7	42392	1	Spring Guide – DS	21	52203	1	Label – Attach/Detach, Automatixx®
8	42393	1	Spring Guide – PS	22	59900	1	Label – Warning/Caution, Snowplows
9	42396	2	Hinge Pin Kit	23	77704	1	Label – Logo, Center Moldboard
10	42397	2	Spring Guide Pin Kit	24	29593	4	Label – Warning, Multiple Pinch Points
11	42943	2	1/4 x 1 Coiled Spring Pin	25	29256	2	Label – Warning, Crush Hazard
12	42395	4	Bumper Kit	ns	84643	1	Blade Label Kit, SPEEDWING™ (incl. items 21–25)
13	84652	1	Wing – DS	ns	77728	1	Label Kit, SPEEDWING Wings (both)
14	84653	1	Wing – PS				
15	43528	2	Wear Strip – Wing Top				
Item 2 84462 Moldboard Cutting Edge Kit							
	1		Cutting Edge 8600SW	3	41774	1	Bolt Bag – Moldboard Cutting Edge
Item 3 41774 Bolt Bag – Moldboard Cutting Edge							
26	8		5/8-11 x 2-1/2 Carriage Bolt G5	28	8		5/8-11 Hex Locknut GB
27	8		5/8 Hardened Flat Washer				
Item 4 53595 Plow Shoe Assembly							
29	53596	1	Disc Shoe	31	91192	34	Flat Washer, Special
30	60045	2	1-1/8 ID, 1-5/8 OD x 1-1/2 Spacer	32		2	7/16 x 1-3/4 Linchpin
Item 9 42396 Hinge Pin Kit							
33	42727	1	1 x 10-1/4 Hinge Pin	35		2	3/8 -16 Hex Locknut GB
34		2	3/8-16 x 1-1/2 Hex Cap Screw G5				
Item 16 42383 Wing Cutting Edge Kit (DS & PS)							
	2		Cutting Edge – SW Wing	17	84684	1	Wing Cutting Edge Hardware Kit
Item 17 84684 Wing Cutting Edge Hardware Kit							
27	6		5/8 Hardened Flat Washer	36	6		5/8-11 x 2 Carriage Bolt G5
28	6		5/8-11 Hex Locknut GB				
Item 18 84525 24" Blade Guide Assembly							
37	4		5/16-18 x 1 Hex Cap Screw G5	38	4		5/16-18 Hex Locknut GB
84643 Blade Label Kit, SPEEDWING							
21	52203	1	Label – Attach/Detach, Automatixx®	24	29593	4	Label – Warning, Multiple Pinch Points
22	59900	1	Label – Warning/Caution, Snowplows	25	29256	2	Label – Warning, Crush Hazard
23	77704	1	Label – Logo, Center Moldboard				
77728 Label Kit, SPEEDWING Wings (both)							
39	77706	1	Label – SPEEDWING Blade, DS	ns	77707	1	Label – SPEEDWING Blade, PS
ns = not shown				G = Grade			

* Accessory only.

SPEEDWING™ BLADE ASSEMBLY

Blade Components



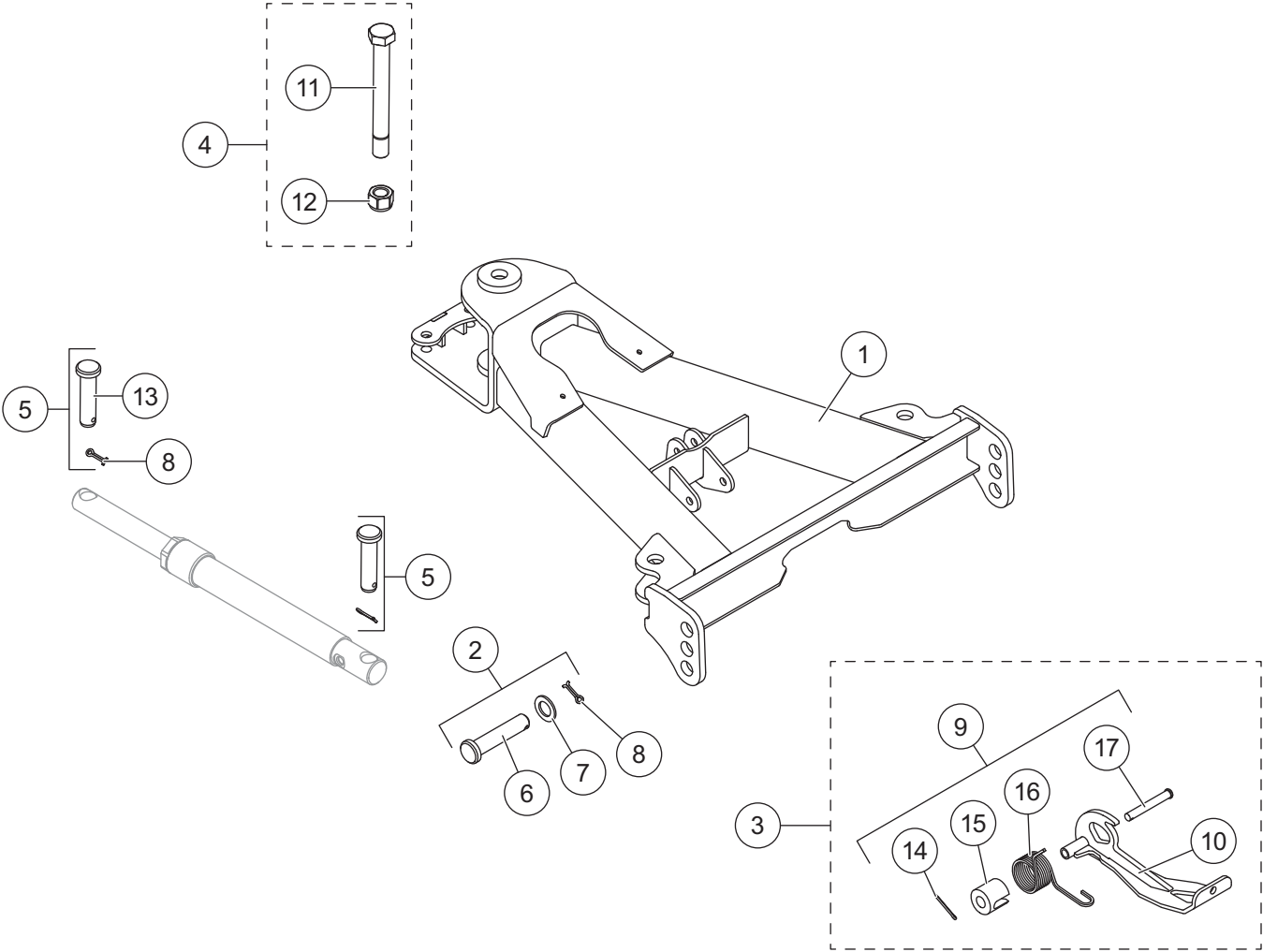
SPEEDWING™ BLADE ASSEMBLY

Blade Components – SPEEDWING							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	42389	2	Cable Assembly w/Hardware (incl. items 2–5)	7	91962	2	1/8 Hairpin Cotter
2	B61615	2	3/4-10 Hex Jam Nut	8†	69780	–	Wing Spring Removal Tool
3	B61343	2	3/4-10 Hex Nut	9	84577	1	Quadrant – SW
4	B61563	2	0.625 x 2.33 Clevis Pin	10	42388	2	Pivot Bushing Kit
5	90601	2	1/4 x 1-1/2 Cotter Pin	11	23039	4	Trip Spring
6	42738	2	3/4 x 9 Clevis Pin	12	83990	4	Trip Spring Eyebolt Kit
Item 10				42388 Pivot Bushing Kit			
		1	Blade Pivot Pin	14		1	3/8-16 x 1-1/2 Hex Cap Screw G5
13		1	3/8-16 Hex Locknut GB				
Item 12				83990 Trip Spring Eyebolt Kit			
15		4	5/8-11 x 4 Eyebolt G2	17		4	5/8-11 Hex Locknut GB
16		4	5/8 Hardened Flat Washer				
G = Grade							

† Service tool.

A-FRAME ASSEMBLY

A-Frame Components

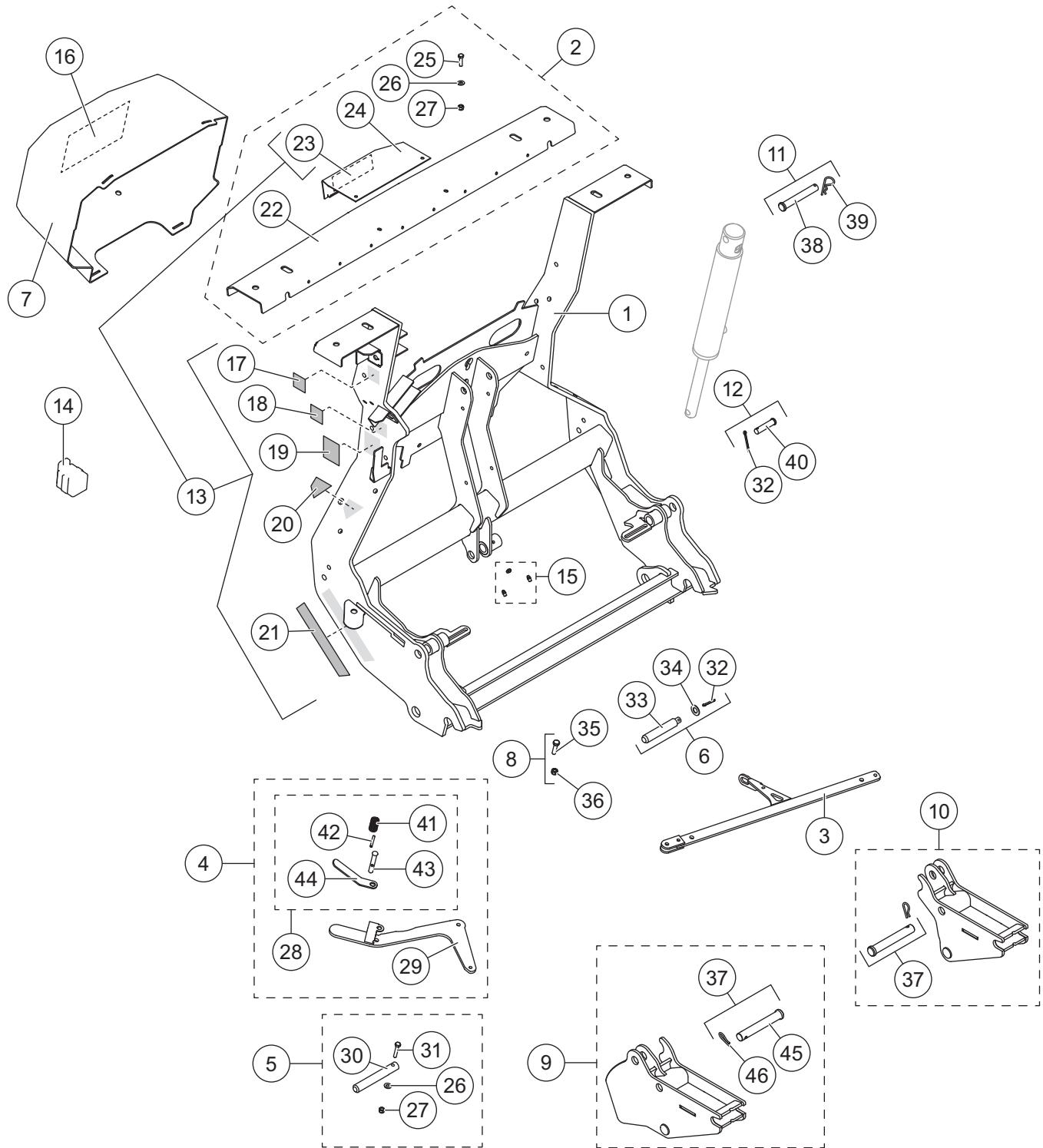


A-FRAME ASSEMBLY

A-Frame Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84590	1	A-Frame – SW	4	49768	1	Pivot Bolt Kit
2	84623	2	A-Frame Pin Kit	5	57968	4	1 x 4 Clevis Pin Kit
3	84593	1	Stand Kit				
Item 2				84623 A-Frame Pin Kit			
6		1	1 x 4-3/4 Clevis Pin	8		1	1/4 x 1-1/2 Cotter Pin
7		1	1" Flat Washer Special				
Item 3				84593 Stand Kit			
9	84615	1	Stand Hardware Kit	10		1	Stand
Item 4				49768 Pivot Bolt Kit			
11		1	1-8 x 9 Hex Cap Screw Special G5	12		1	1-8 Hex Locknut GB
Item 5				57968 1 x 4 Clevis Pin Kit			
8		1	1/4 x 1-1/2 Cotter Pin	13		1	1 x 4 Clevis Pin
Item 9				84615 Stand Hardware Kit			
14		1	5/32 x 1-1/2 Cotter Pin	16		1	Stand Torsion Spring
15		1	Stand Spring Spacer	17		1	1/2 x 3-11/16 Clevis Pin
G = Grade							

HEADGEAR ASSEMBLY

Headgear Components

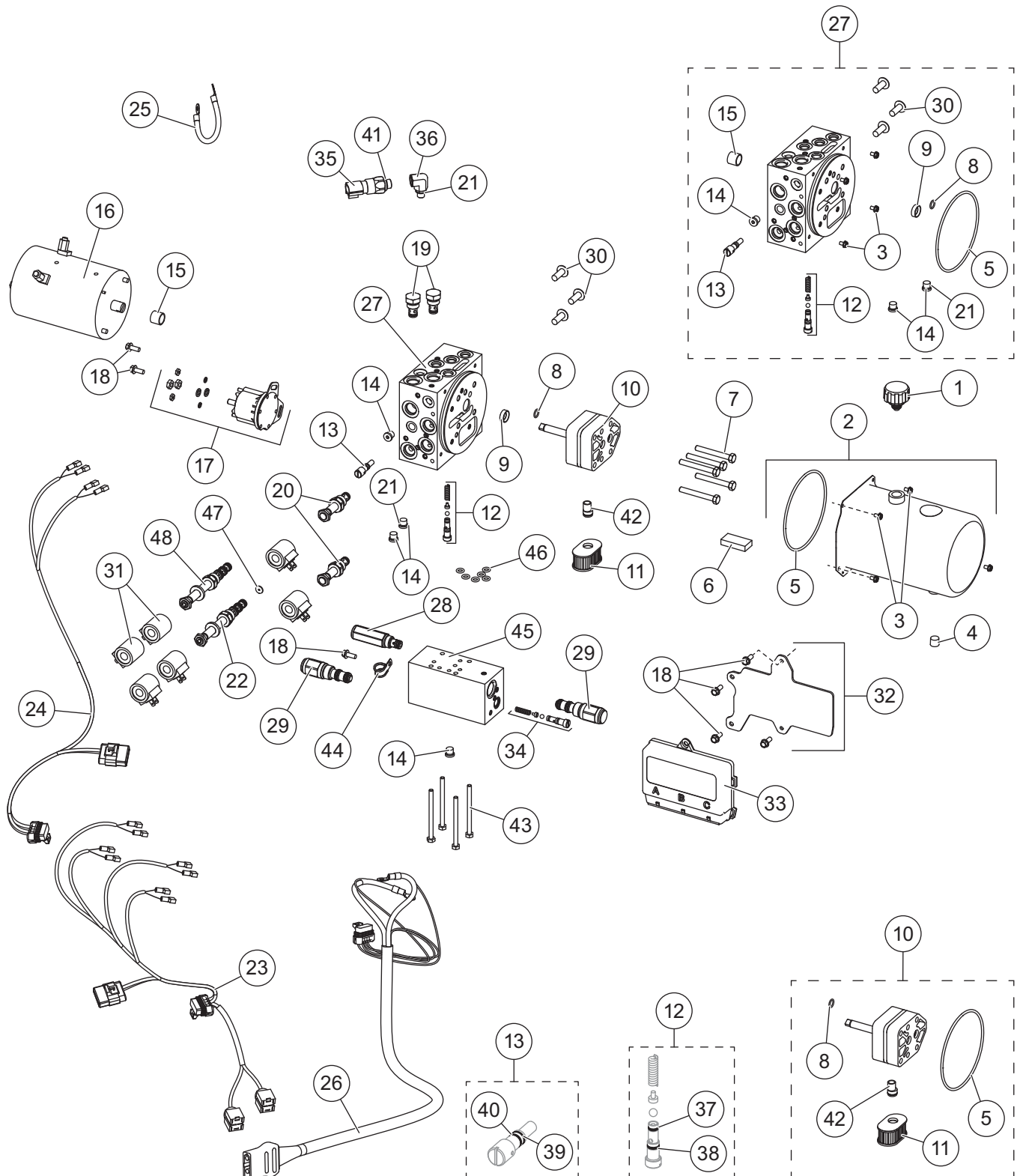


* Refer to the SPEEDWING snowplow Installation Instructions to confirm when tall receivers are required.

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HYDRAULIC AND ELECTRICAL COMPONENTS

Hydraulic Unit Components



HYDRAULIC AND ELECTRICAL COMPONENTS

52648 Hydraulic Unit							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	48278	1	Breather	25	29071	1	Vehicle Battery Cable 8"
2	52289	1	Reservoir Kit	26	52291	1	Snowplow Battery Cable
3	66607	4	#10-24 x 5/16 Machine Screw	27	52258	1	Manifold Assembly w/o Valves SW
4	92079	1	Plug, Square 3/8 NPTF	28	42889	1	Relief Valve 4000 psi
5	66519	1	O-Ring 2-250	29	42888	2	Counterbalance Valve 1400 psi
6	73897	1	Magnet	30	98043	3	3/8-16 x 1 Button Cap Screw
7	90073	5	5/16-18 x 2-1/4 Hex Cap Screw G5	31	52294	6	Coil
8	56274	1	O-Ring -013	32	52293	1	Plate, Module
9*	66515	1	Pump Shaft Seal	33	52292-1	1	Module, Plow Control
ns	52252	1	Seal Repair Tool Kit w/Seal	34	52284	1	Relief Valve (1 set)
10	52288	1	Hydraulic Pump Kit	35	52296	1	Pressure Switch
11	48281	1	Filter	36	52295	1	Elbow, 90° -4 M ORB/-6 F ORB
12	52282	1	Relief Valve (1 set)	37	55371	2	O-Ring -008
13	48517	1	Quill	38	25731	2	O-Ring -010
14	44344	4	Plug, Hex Socket -4 M ORB	39	48239	1	O-Ring -106
15†	56364	1	Bearing Sleeve	40	48240	1	Back-Up Ring -106
ns	52251	1	Bearing Repair Tool Kit w/Bearing	41	56569	1	O-Ring -906
16	52281	1	Motor	42	10887	1	Inlet Fitting
17	52290	1	Motor Relay Kit, FLEET FLEX System	43	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	44	65340	1	Clamp Loop #10
19	84934	2	Check Valve	45	52262	1	Secondary Manifold Assembly w/o Valves (incl. items 16, 36, 48)
20	84936	2	Valve, 2-Way NC w/Rev Flow	46	43818	6	O-Ring -109
21	44343	5	O-Ring -904	47	52541	1	Orifice Disc 0.060
22	52285	1	Valve, 4-Way, 3-Position Closed Center	48	84937	1	Valve, 4-Way, 3-Position
23	52108	1	Plow Control Harness, 4-Coil	ns		3	Fuse, 5A Mini Automotive-Style (for items 25 and 26)
24	52077	1	Plow Control Harness, 2-Coil				
Item 2				52289 Reservoir Kit			
3	66607	4	#10-24 x 5/16 Machine Screw	5	66519	1	O-Ring 2-250
4	92079	1	Plug, Square 3/8 NPTF				
Item 12				52282 Relief Valve			
37	55371	1	O-Ring -008	38	25731	1	O-Ring -010
Item 13				48517 Quill			
39	48239	1	O-Ring -106	40	48240	1	Back-Up Ring -106
Item 27				52258 Manifold Assembly w/o Valves SW			
3	66607	4	#10-24 x 5/16 Machine Screw	14	44344	3	Plug, Hex Socket -4 M ORB
5	66519	1	O-Ring 2-250	15	56364	1	Bearing Sleeve
8	56274	1	O-Ring -013	21	44343	3	O-Ring -904
9	66515	1	Pump Shaft Seal	29	98043	3	3/8-16 x 1 Button Cap Screw
12	52282	1	Relief Valve (1 set)	46	43818	6	O-Ring -109
13	48517	1	Quill				
O-Ring Service Kits							
—	52298	—	O-Ring Kit	—	48310	—	Seal Kit, 2-Way Valves
—	48309	—	Seal Kit, 3-Way & 4-Way Valves	—	52303	—	Seal Kit, 3-Way Valves (for item 31)
ns = not shown		F = Female		M = Male		G = Grade	

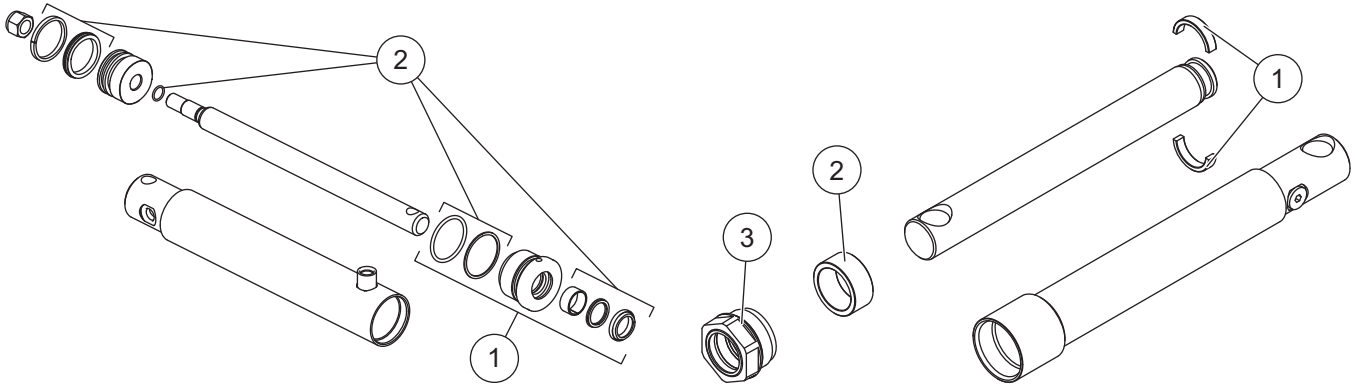
* Use 52252 tool to install.

† Use 52251 tool to install.

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

HYDRAULIC AND ELECTRICAL COMPONENTS

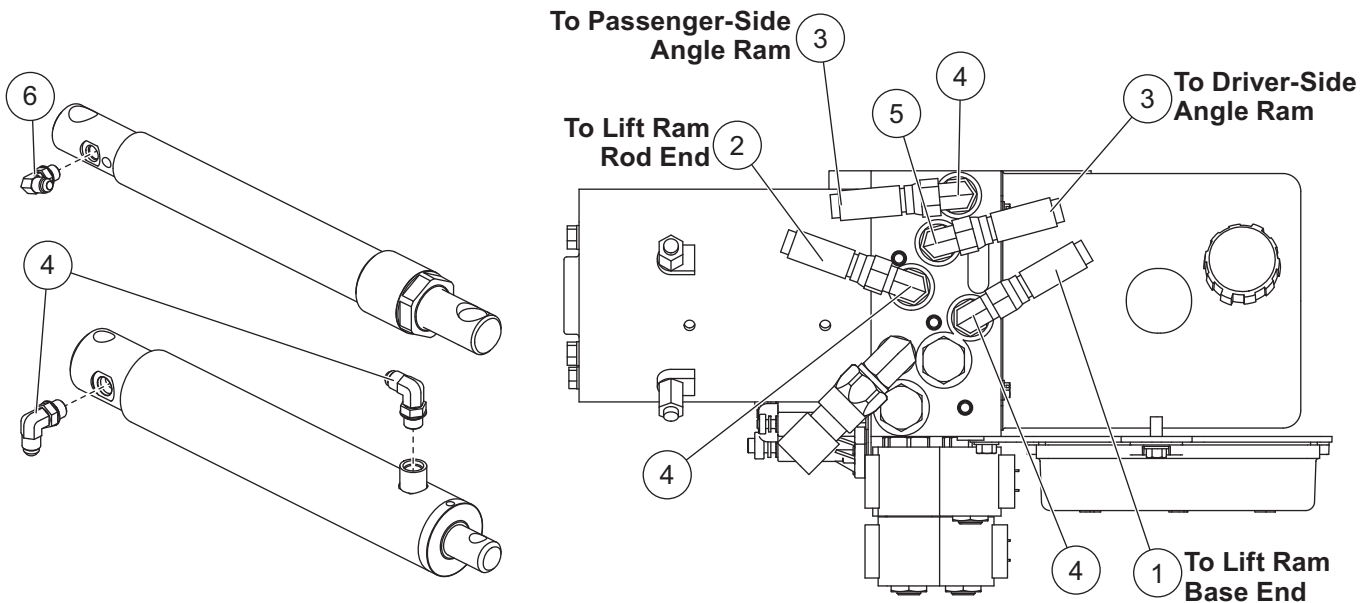
Lift and Angle Ram Components



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

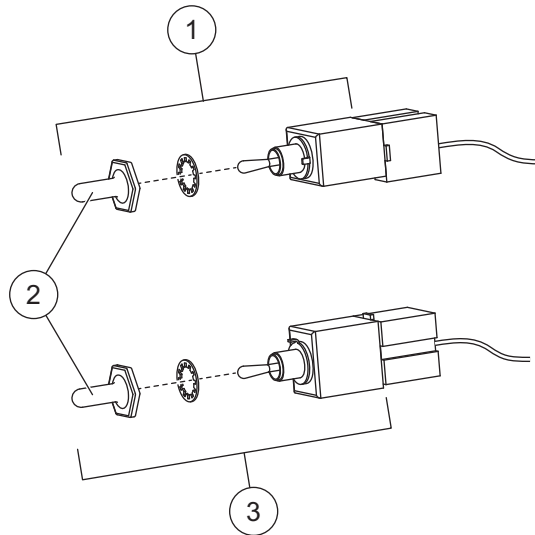
Hoses and Fittings



Hoses and Fittings							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	84446	1	Hose, 1/4 x 14 w/F JIC Ends	5	40572	1	Elbow, Extra Long 90° -6 M JIC/-6 M ORB
2	40570	1	Hose, 1/4 x 22 w/F JIC Ends	6	77929	1	Elbow, 90° -6 M JIC/-6 M ORB w/Screen
3	52304	2	Hose, 3/8 x 36 w/F JIC Ends				
4	40571	7	Elbow, 90° -6 M JIC/-6 M ORB				
ns	56823	1	Hose Wrap				
F = Female				ns = not shown			
				M = Male			

HYDRAULIC AND ELECTRICAL COMPONENTS

Electrical Components

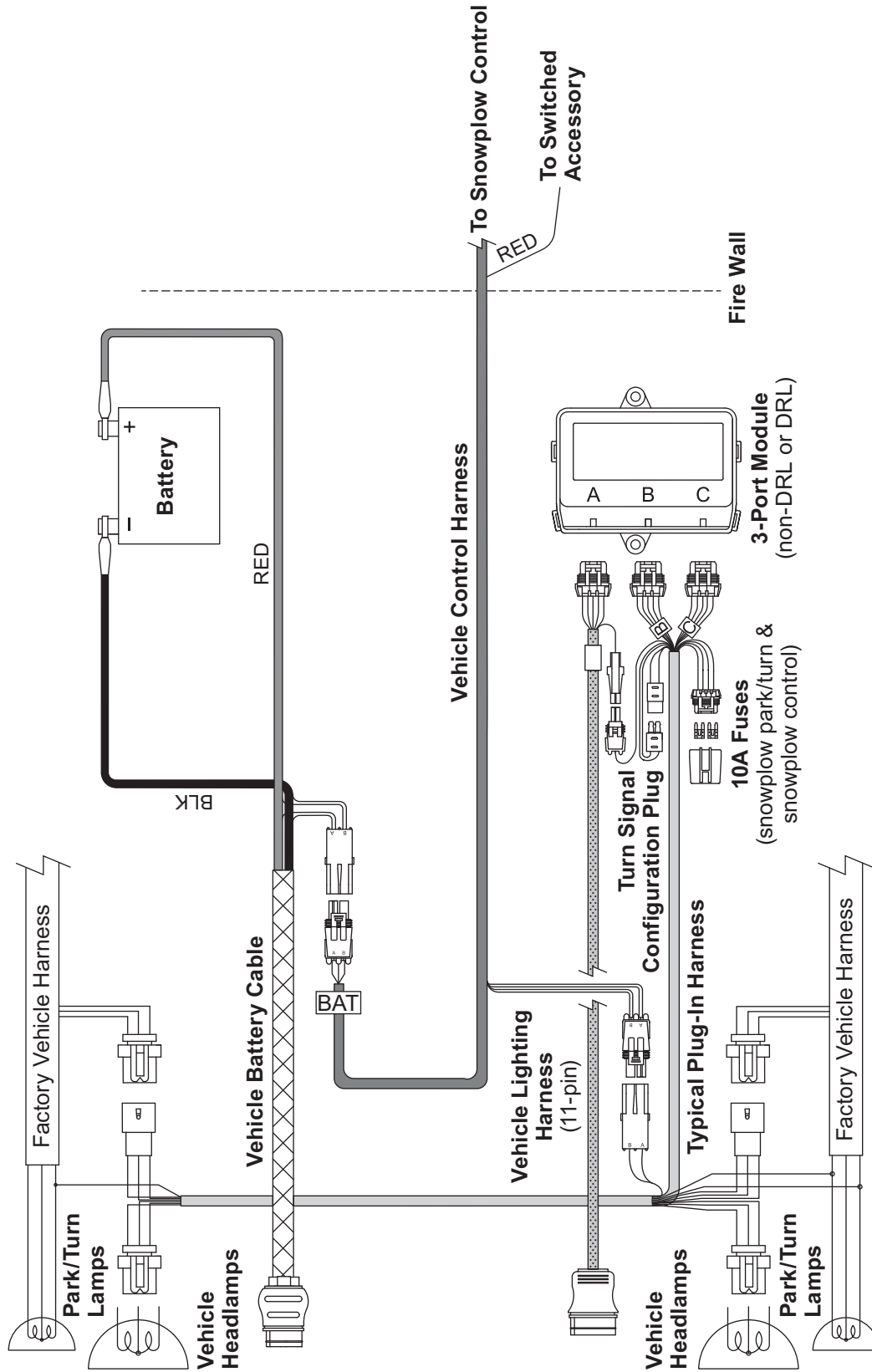


Plow-Side Electrical Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	40575	1	Toggle Switch (MOM-ON, OFF, ON)	3	40576	1	Toggle Switch (MOM-ON, OFF, MOM-ON)
2	48259	2	Switch Boot				
Vehicle-Side Electrical Components							
*	42014	1	Vehicle Battery Cable	ns	48325	2	Plug Cover
*	28587	1	Vehicle Control Harness				
ns = not shown							

* For diagram see Vehicle-Side Harness Diagram.

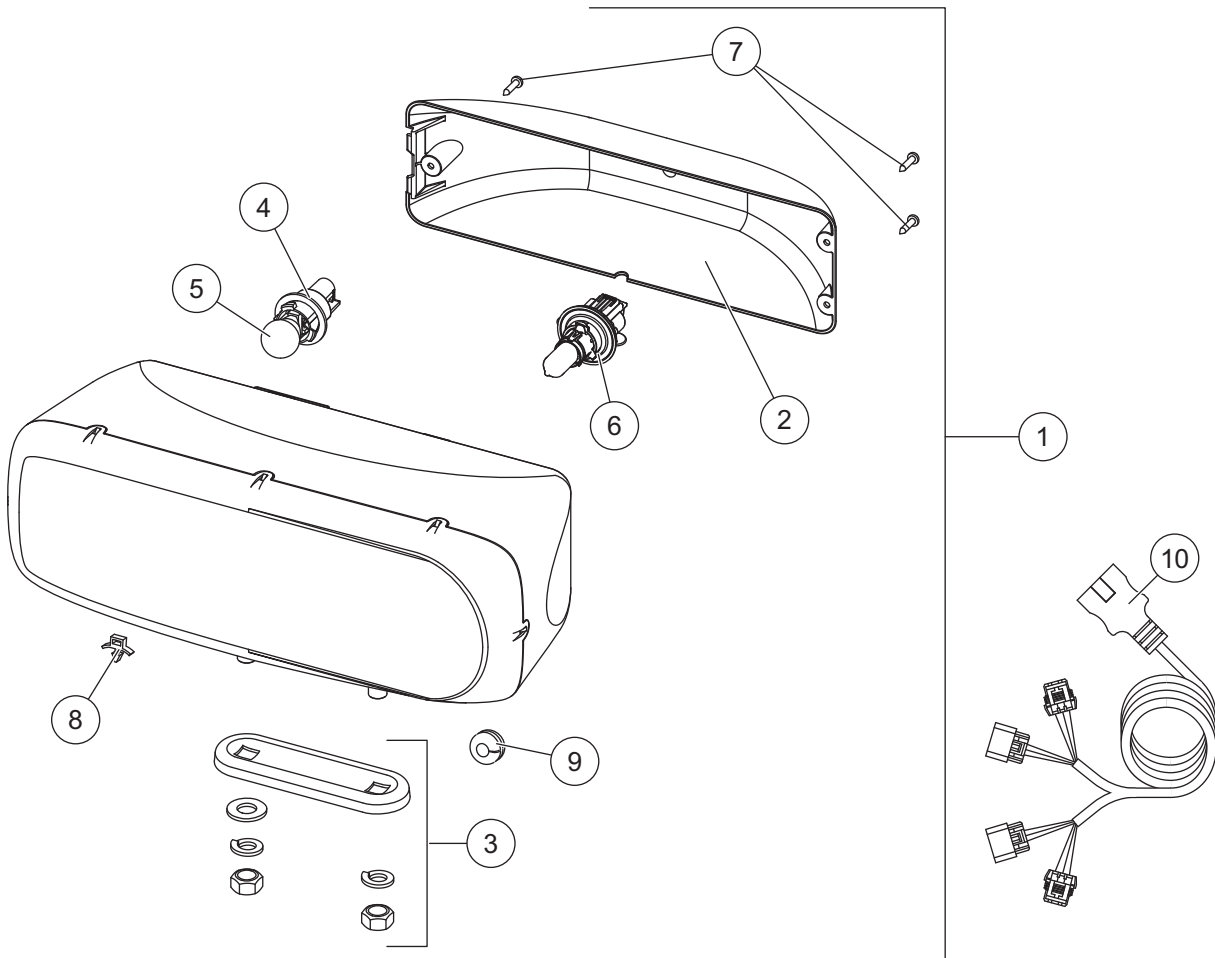
VEHICLE-SIDE HARNESS DIAGRAM

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	56595	6	Cable Anchor Tie
3	28804	2	Mounting Hardware Kit	9	66130	2	Rubber Grommet
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							



TrynEx International, LLC
531 Ajax Drive
Madison Heights, MI 48071-2429
www.snowexproducts.com

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