Fisher Engineering

77865, 87500

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TRAILBLAZER™

Blade and Off-Truck Kit

HD UTV V-Plow

Blade Assembly 87500
Attachment Assembly 77865

Parts List and Accessories

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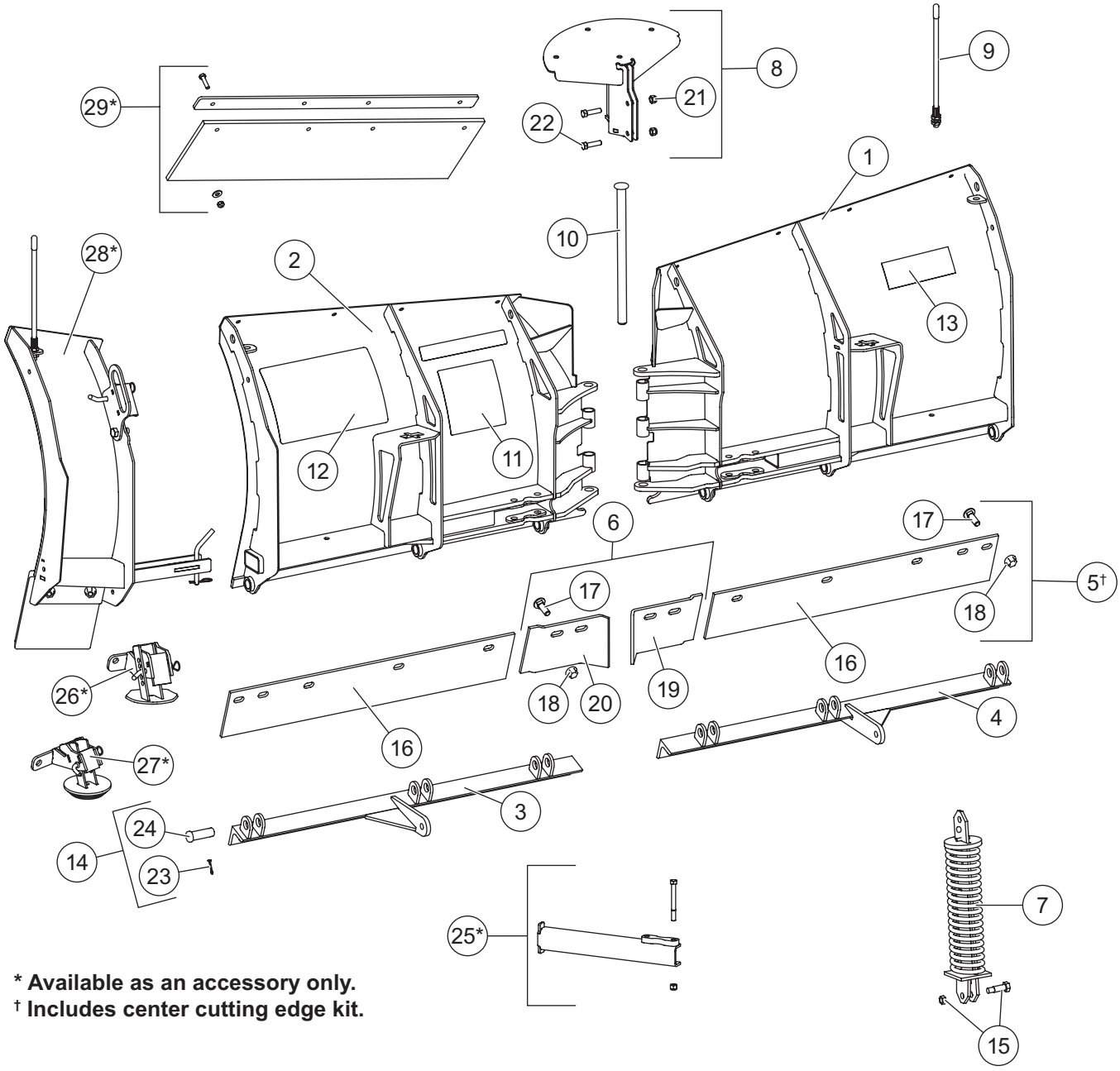
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Blade Components



*** Available as an accessory only.**
† Includes center cutting edge kit.

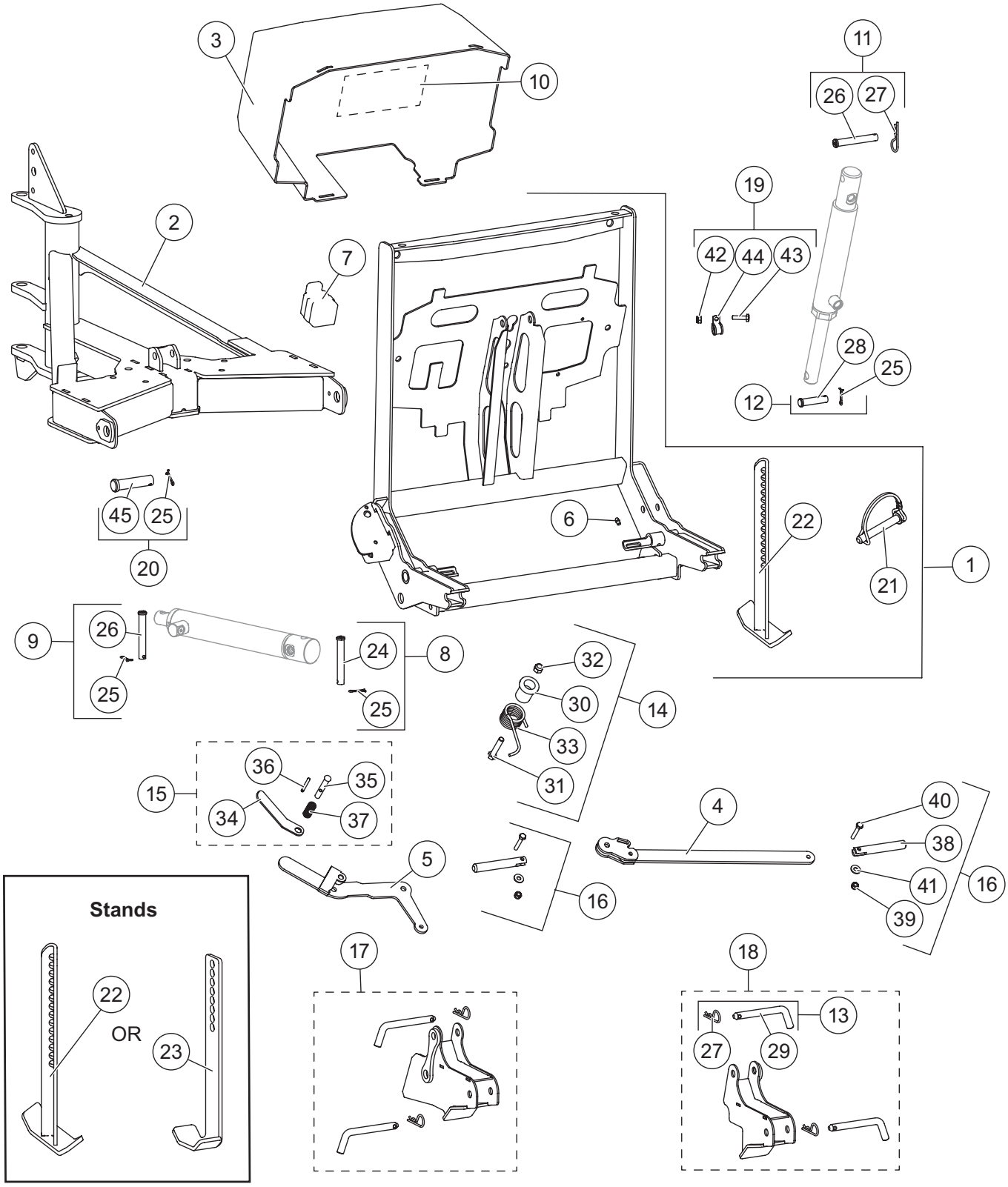
TRAILBLAZER™ Blade Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	83615	1	Blade – PS (incl. base angle, trip spring, and labels)	10	51702	1	3/4 x 12-5/8 Pin
				11	84847	1	Label – Warning/Caution, Snowplow
2	83614	1	Blade – DS (incl. base angle, trip spring, and labels)	12	88335	1	Label – Attach/Detach, UTV
				13	26211	1	Label – Logo, STORM GUARD™
3	83612	1	Base Angle – DS	14	84844	6	3/4 x 2-3/16 Pin Kit
4	83613	1	Base Angle – PS	15	40905	1	Shoulder Bolt w/Locknut Kit
5†	84829	1	Cutting Edge Kit w/Fasteners	ns	96991	1	Label – Logo, FISHER® Splatter
6	83639	1	Center Cutting Edge Kit w/Hardware	ns	84772	1	Label – Logo, TRAILBLAZER
7	21452	2	Removable Spring Assembly	ns	85190	1	Blade Label Kit
8	87288	1	Snow Control Kit	ns	97357	1	3/8 Cutting Edge Accessory
9	92075	1	Blade Guides				
Item 5†			**84829 Cutting Edge Kit w/Fasteners**				
6	83639	1	Center Cutting Edge w/Hardware	17		10	1/2-13 x 1-1/2 Carriage Bolt G8
16	84828	2	1/4 Cutting Edge	18		10	1/2-13 Flanged Locknut
Item 6			**83639 Center Cutting Edge Kit w/Hardware**				
17		4	1/2-13 x 1-1/2 Carriage Bolt G8	19	84323	1	Center Cutting Edge, UTV − PS
18		4	1/2-13 Flanged Locknut	20	84325	1	Center Cutting Edge, UTV − DS
Item 8			**87288 Snow Control Kit**				
		1	Snow Control	22		2	3/8-16 x 1-1/2 Hex Cap Screw
21		2	3/8-16 Hex Locknut GB				
Item 14			**84844 3/4 x 2-3/16 Pin Kit**				
23		1	5/32 x 1-1/4 Cotter Pin	24		1	3/4 x 2-3/16 Pin
Item 15			**40905 Shoulder Bolt w/Locknut Kit**				
		1	7/16-14 x 1-5/8 Hex Shoulder Bolt			1	7/16-14 Hex Locknut GB
			85190 Blade Label Kit				
11	84847	1	Label – Warning/Caution, Snowplow	ns	96991	1	Label – Logo, FISHER Splatter
12	88335	1	Label – Attach/Detach, UTV	ns	84772	1	Label – Logo, TRAILBLAZER
13	26211	1	Label – Logo, STORM GUARD				
			97357 3/8 Cutting Edge Accessory Kit				
ns	97354	1	3/8 Center Cutting Edge w/Hardware	ns		10	1/2-13 x 1-1/2 Carriage Bolt G8
ns	94353	2	3/8 UTV Cutting Edge, Coated	ns		10	1/2-13 Flanged Locknut
			ns = not shown				G = Grade

† Includes center cutting edge kit.

TRAILBLAZER Blade Accessories							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
25*	83616	1	Blade Stop Kit (pair)	28*	52657	1	Accessory Wing Kit (pair)
26*	52656	1	Accessory Shoe Kit (pair)	29*	52654	1	Deflector Kit (pair)
27*	83852	1	Extreme Wear Shoe Kit (pair)				

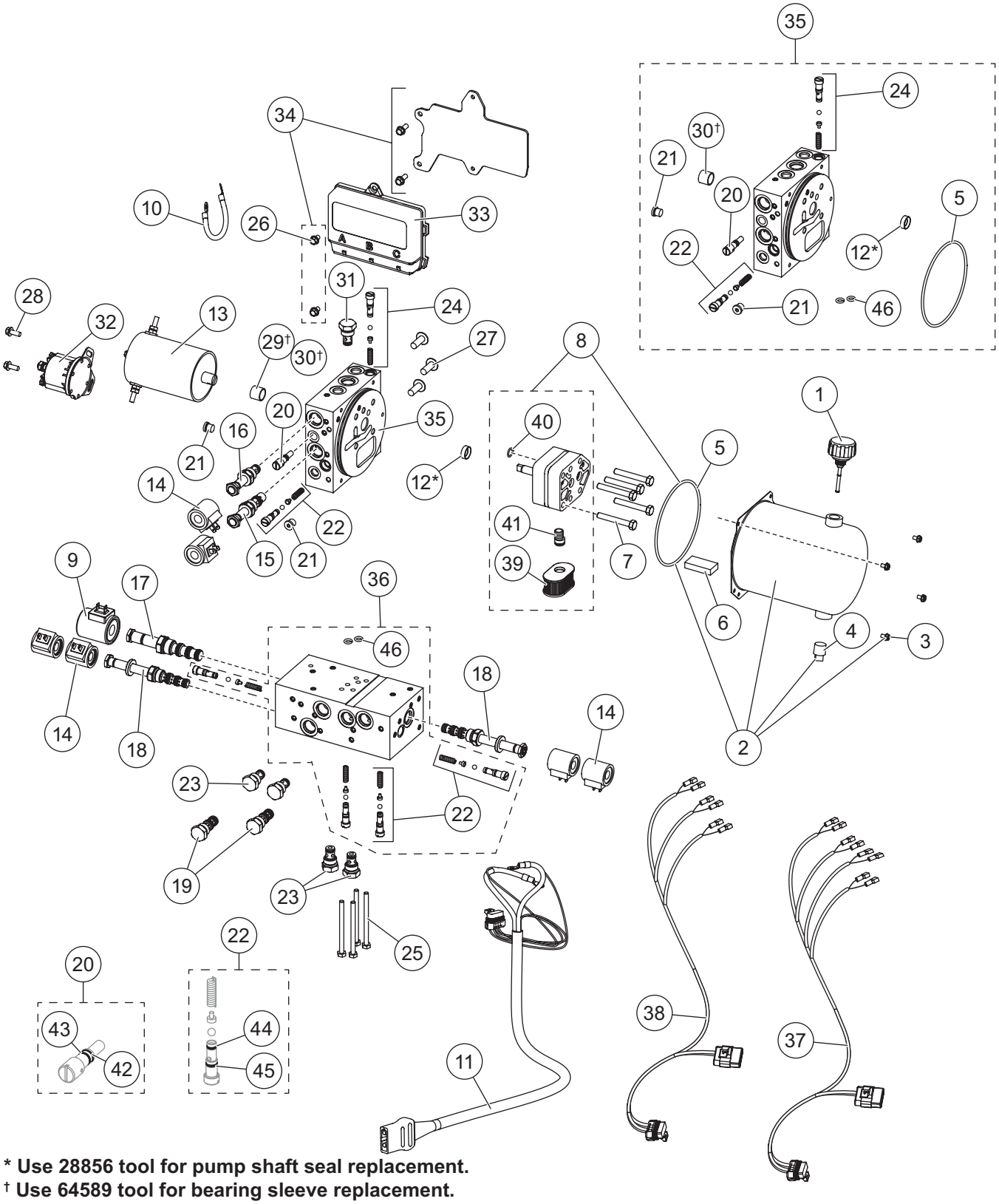
* Accessory only.

Headgear and T-Frame Components



TRAILBLAZER™ Headgear and T-Frame Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	88761	1	Headgear Kit	13	84610	4	Receiver Pin Kit
2	83628	1	T-Frame	14	83636	1	Torsion Spring/Spacer Kit
3	84843	1	Hydraulic Cover (incl. item 10)	15	83633	1	Attach Handle Release Cam Kit
4	83635	1	Link	16	84602	2	Hitch Pin Kit
5	83634	1	Handle	17	83637	1	Receiver Kit – DS
6	84616	1	Grease Zerk (pkg of 3)	18	83638	1	Receiver Kit – PS
7	61246	1	Cable Boot	29	84778	1	Power Cable Clamp Loop Kit
8	83629	2	Angle Ram Base Pin Kit	20	83630	2	T-Frame Pin Kit
9	85198	2	Angle Ram Rod Pin Kit	21	77650	1	Wire-Lock Clevis Pin
10	43862	1	Label − Information, Hydraulic	22	87046	1	Stand, V-Stem
11	85199	1	Lift Ram Base Pin Kit	23	84846	1	Stand, Flat Stem
12	84627	1	Lift Ram Rod Pin Kit				
Item 1			**88761 Headgear Kit**				
		1	Headgear	22	87046	1	Stand, V-Stem
21	77650	1	Wire-Lock Clevis Pin				
Item 8			**83629 Angle Ram Base Pin Kit**				
24		1	1/2 x 3-11/16 Clevis Pin HT	25		1	5/32 x 1-1/2 Cotter Pin
Item 9			**85198 Angle Ram Rod Pin Kit**				
25		1	5/32 x 1-1/2 Cotter Pin	26		1	1/2 x 2-7/8 Clevis Pin HT
Item 11			**85199 Lift Ram Base Pin Kit**				
26		1	1/2 x 2-7/8 Clevis Pin HT	27		1	1/8 Hairpin Cotter
Item 12			**84627 Lift Ram Rod Pin Kit**				
25		1	5/32 x 1-1/2 Cotter Pin	28		1	1/2 x 2-1/8 Clevis Pin HT
Item 13			**84610 Receiver Pin Kit**				
27		1	1/8 Hairpin Cotter	29		1	1/2 x 4 Clevis Pin
Item 14			**83636 Torsion Spring/Spacer Kit**				
30		1	Spacer, Handle Spring	32		1	3/8-16 Hex Locknut GB
31		1	3/8-16 x 2-1/4 Hex Cap Screw G5	33		1	Torsion Spring
Item 15			**83633 Attach Handle Release Cam Kit**				
34		1	Handle Lock Pin Lever	36		1	3/16 x 1-3/8 Spring Pin SS
35		1	Lock Pin	37		1	Stand Lock Pin Spring
Item 16			**84602 Hitch Pin Kit**				
38		1	Hitch Pin	40		1	1/4-20 x 1-1/2 Hex Cap Screw SS
39		1	1/4-20 Hex Locknut GB	41		1	1/4 Flat Washer Type A Wide
Item 17			**83637 Receiver Kit – DS**				
		1	Receiver – DS	13		2	Receiver Pin Kit
Item 18			**83638 Receiver Kit – PS**				
		1	Receiver – PS	13		2	Receiver Pin Kit
Item 19			**84778 Power Cable Clamp Loop Kit**				
42		1	1/4-20 Hex Locknut GB	44		1	#10 Clamp Loop
43		1	1/4-20 x 1 Hex Cap Screw G5				
Item 20			**83630 T-Frame Pin Kit**				
25		1	5/32 x 1-1/2 Cotter Pin	45		1	3/4 x 3 Clevis Pin
G = Grade			HT = Heat Treated				SS = Stainless Steel

Hydraulic Unit Components



*** Use 28856 tool for pump shaft seal replacement.**
† Use 64589 tool for bearing sleeve replacement.

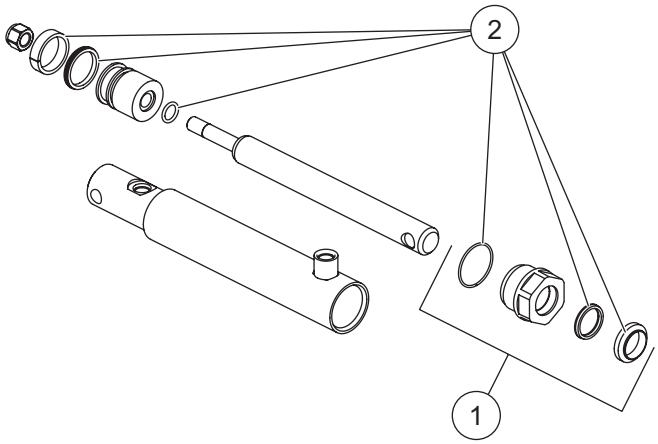
52652 TRAILBLAZER™ Hydraulic Unit							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	66525	1	Reservoir Filler Breather	21	44344	2	Plug, Hex Socket –4 M ORB
2	48538	1	Reservoir Kit	22	7629K-4	2-1/2	Relief Valve Kit (2 sets)
3	66607	4	#10-24 x 5/16 Machine Screw	23	44333-1	4	Check Valve CV08-20
4	92079	1	Plug, Square 3/8 NPTF	24	27792-1	1	Relief Valve Repair Kit (1 set)
5	66519	1	O-Ring 2-250	25	90696	4	1/4-20 x 3-1/2 Hex Cap Screw G5
6	73897	1	Magnet	26	43988	2	1/4-20 x 3/8 Hex Washer-Head Thread-Rolling Screw
7	90073	5	5/16-18 x 2-1/4 Hex Cap Screw G5				
8	52553	1	Pump Kit	27	98043	3	3/8-16 x 1 Button Cap Screw
9	84901	1	Coil 10 w/Spades	28	44355	4	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw
10	29071	1	Cable Assembly, 8"				
11	42015	1	Cable Assembly, Plow	29†	64596-1	1	Sleeve-Bearing and Shaft Seal Kit
12*	66515	1	Pump Shaft Seal	30†	56364	1	Sleeve Bearing
13	48543-1	1	Motor Assembly, 3"	31	84934	1	Check Valve
14	7639K-2	6	Coil w/Spade Terminals	32	52290	1	Motor Relay
15	44331	1	Valve, SVCV08-20 w/Nut	33	52292-2	1	Plow Module
16	84936	1	Valve, 2-Way NC w/Rev Flow	34	52293-1	1	Module Plate
17	84900	1	Valve, 4-Way SV10-43 w/Nut	35	52551	1	Primary Manifold, w/o Valves
18	52285	2	Valve, 4-Way 3-Position Closed Center w/Nut and Spacer	36	52552	1	Secondary Manifold, w/o Valves
				37	52215	1	Plow Control Harness, 4-Coil
19	49459	2	Valve, PC08-30 w/Nut	38	52217	1	Plow Control Harness, 3-Coil
20	48517	1	Quill				
Item 2			**48538 Reservoir Kit**				
		1	Reservoir	4	92079	1	Plug, Square 3/8 NPTF
3	66607	4	#10-24 x 5/16 Machine Screw	5	66519	1	O-Ring 2-250
Item 8			**52553 Pump Kit**				
		1	Pump	40	56274	1	O-Ring -013
5	66519	1	O-Ring 2-250	41	10887	1	Hydraulic Pump Inlet Fitting
39	26781-4	1	Suction Filter				
Item 20			**48517 Quill**				
42	48239	1	O-Ring -106	43	48240	1	Back-Up Ring -106
Item 22			**7629K-4 Relief Valve Kit**				
44	55371	6	O-Ring -008	45	25731	6	O-Ring -010
Item 34			**52293-1 Module Plate**				
		1	Module Plate	28	44355	4	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw
26	43988	2	1/4-20 x 3/8 Hex Washer-Head Thread-Rolling Screw				
Item 35			**52551 Primary Manifold w/o Valves**				
5	66519	1	O-Ring 2-250	22	7629K-4	2	Relief Valve Kit (2 sets)
12*	66515	1	Pump Shaft Seal	24	27792-1	1	Relief Valve Repair Kit (1 set)
20	48517	1	Quill	30†	56364	1	Sleeve Bearing
21	44344	2	Plug, Hex Socket –4 M ORB	46	43818	2	O-Ring -109
Item 36			**52552 Secondary Manifold w/o Valves**				
22	7629K-3	2	Relief Valve Kit (2 sets)	46	43818	2	O-Ring -109
O-Ring Service Kits							
ns	52298-3		O-Ring Kit (does not contain O-rings for valves)	ns	49259-2		Seal Kit, 3-Way and 4-Way Valve
				ns	84909		Seal Kit, Size 10, 3-Way and 4-Way Valve
ns	49258-2		Seal Kit, 2-Way Valves				
ns = not shown			M = Male				G = Grade

* Use 28856 tool for pump shaft seal replacement (includes 1 seal).

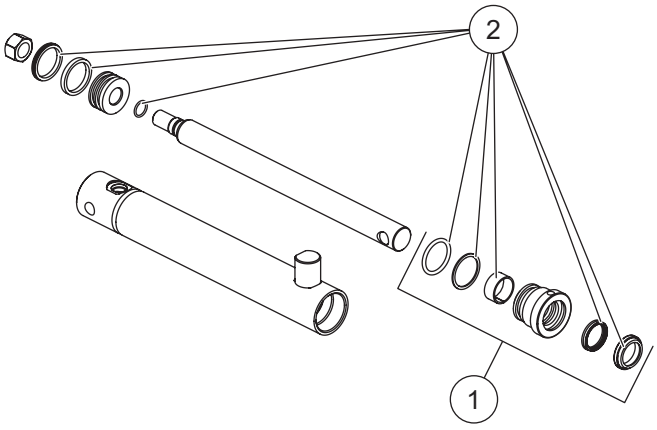
† Use 64589 tool for bearing sleeve replacement (includes 1 bearing).

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

Lift and Wing Ram Components

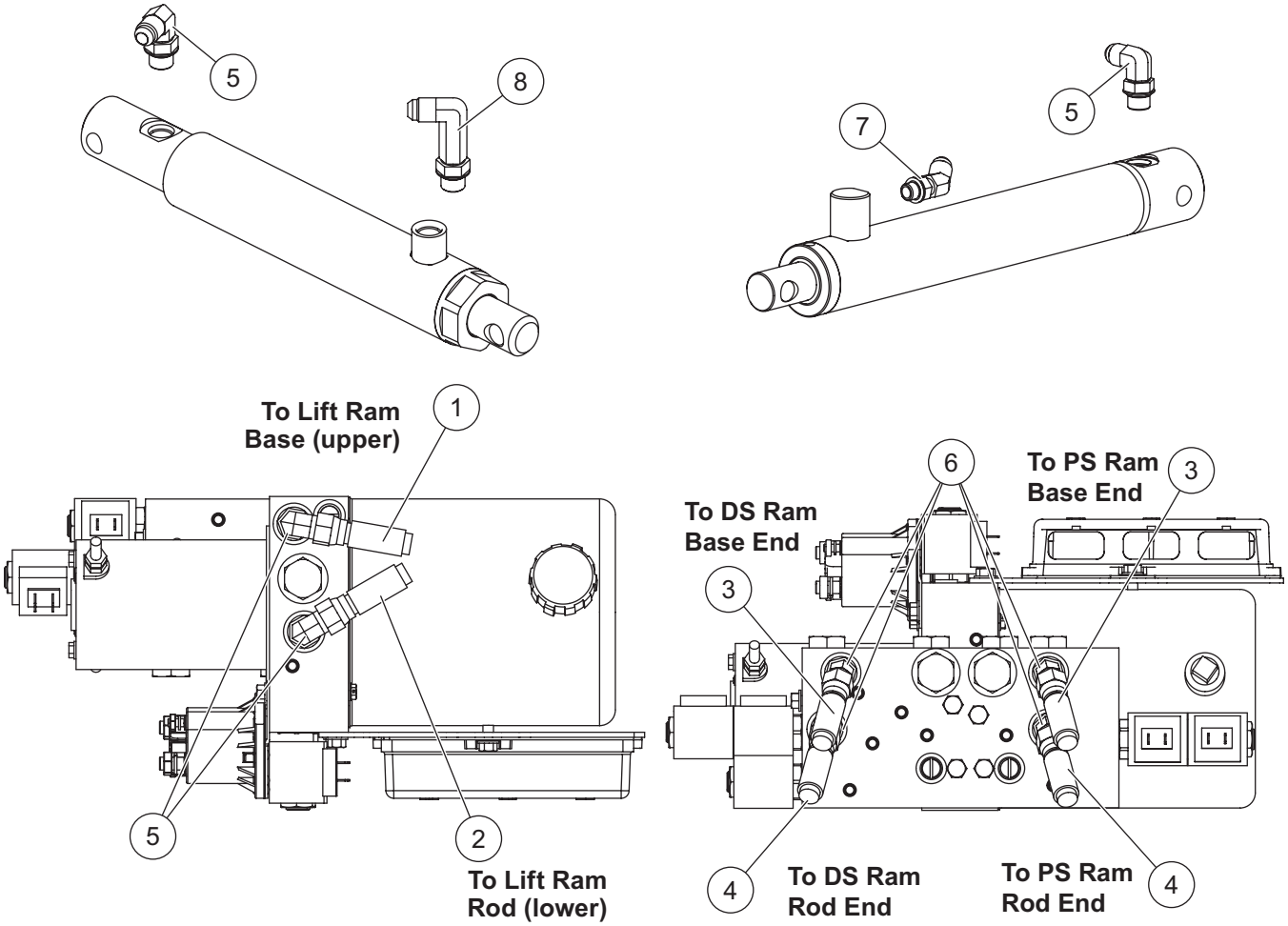


77485 Lift Ram Assembly 1-1/2 x 6			
Item	**Part**	**Qty**	**Description**
1	52277	1	1" Gland Nut Assembly
2	27788-1	1	Seal Kit 1-1/2 DA Ram



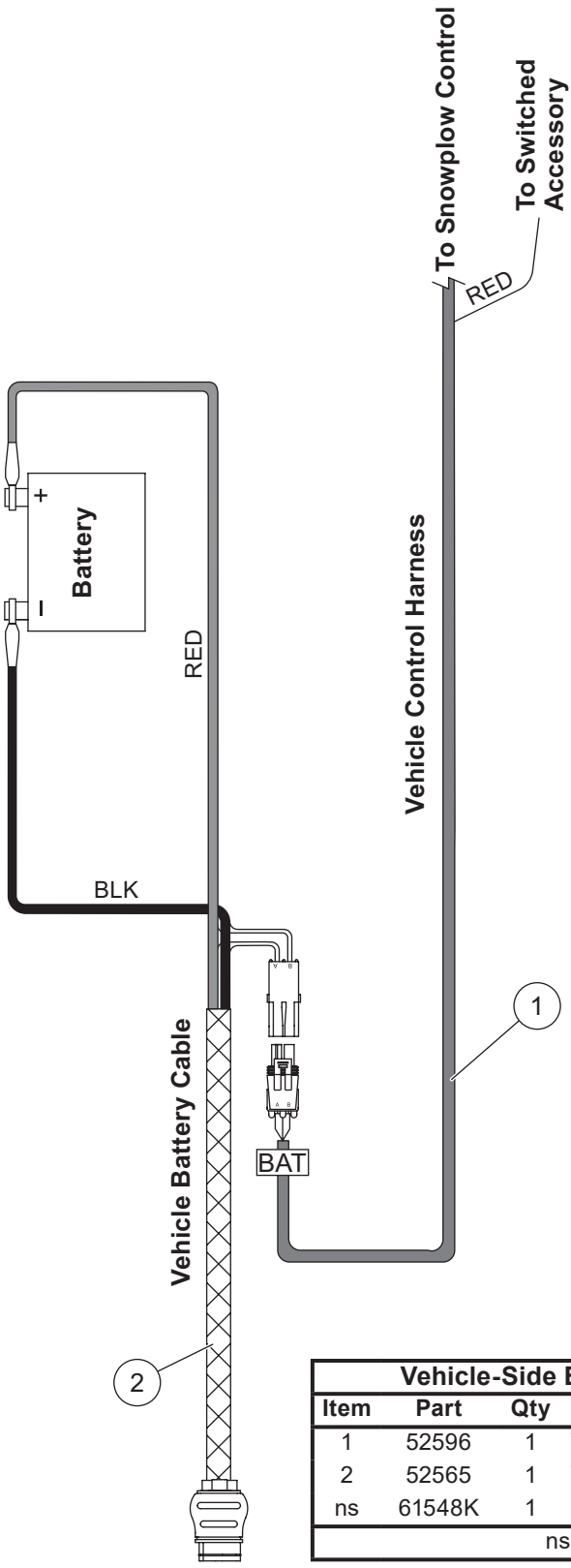
77482 Wing Ram Assembly 1-1/2 x 8-3/4 DA			
Item	**Part**	**Qty**	**Description**
1	52558	1	1" Gland Nut Assembly
2	52557	1	Seal Kit 1-1/2 DA Ram

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	56726	4	Elbow, 45° –6 M JIC/–6 M ORB
2	84453	1	Hose, 1/4 x 20 w/F JIC Ends	7	41093	2	Elbow, 45° –6 M JIC/–4 M ORB
3	56710	2	Hose, 1/4 x 32 w/F JIC Ends	8	44361	1	Elbow, Extra Long 90° –6 M JIC/ –6 M ORB
4	56599	2	Hose, 1/4 x 36 w/F JIC Ends				
5	56615-1	5	Elbow, 90° –6 M JIC/–6 M ORB				
F = Female				M = Male			

Vehicle-Side Harness Diagram



Vehicle-Side Electrical Components			
Item	**Part**	**Qty**	**Description**
1	52596	1	Vehicle Control Harness
2	52565	1	Vehicle Battery Cable
ns	61548K	1	Plug Cover Kit
ns = not shown			

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