Fisher Engineering **87510, 87511, 87515, 90185**

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November 15, 2023
Lit. No. 74336, Rev. 08

TRAILBLAZER™

MD UTV Straight Blade Hydraulic Lift and Angle

Blade Assembly 87510, 87511
Hydraulic Lift Attachment 87515
Control Kit (including cables) 90185

Parts List and Accessories

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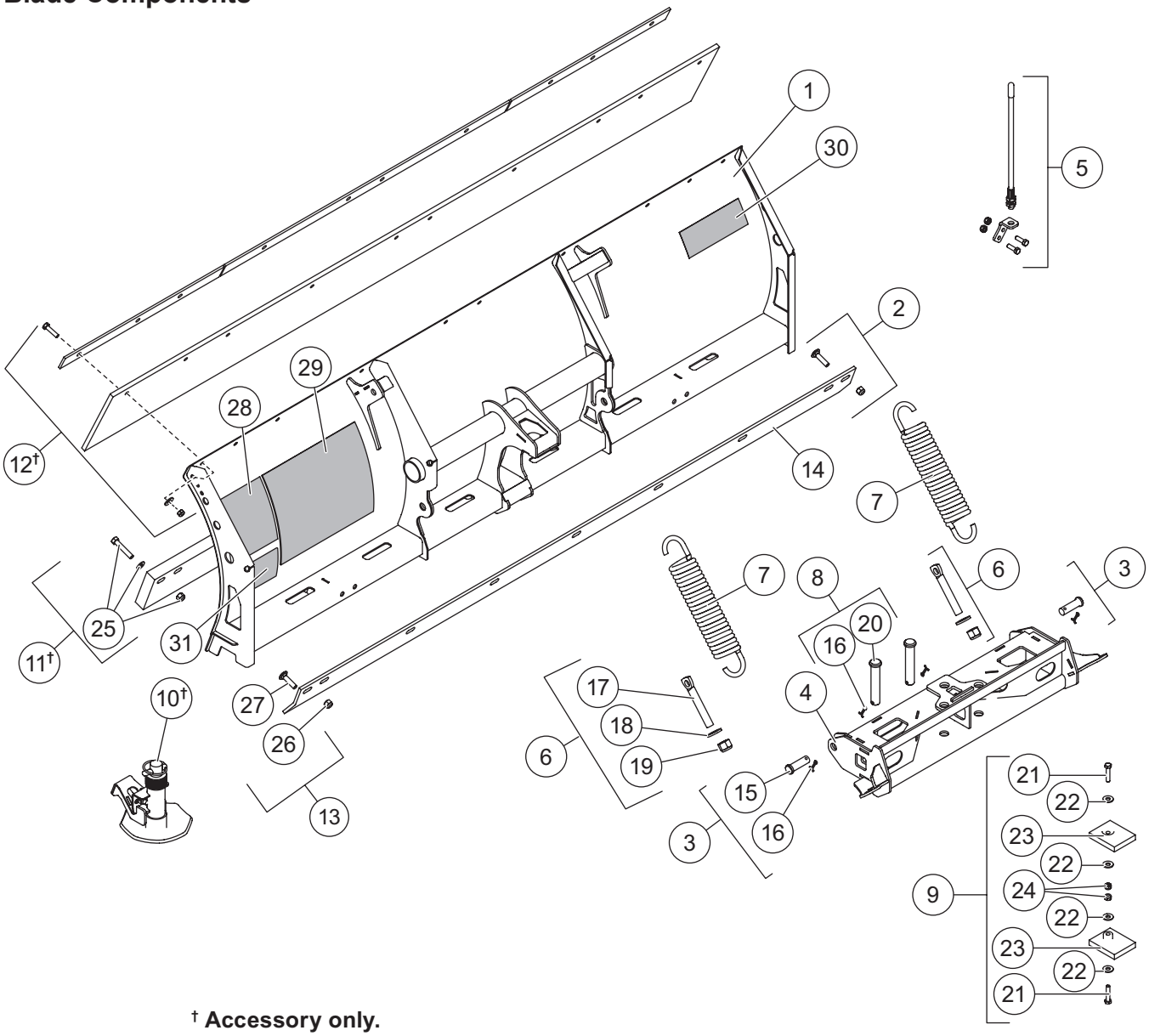
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Blade Components

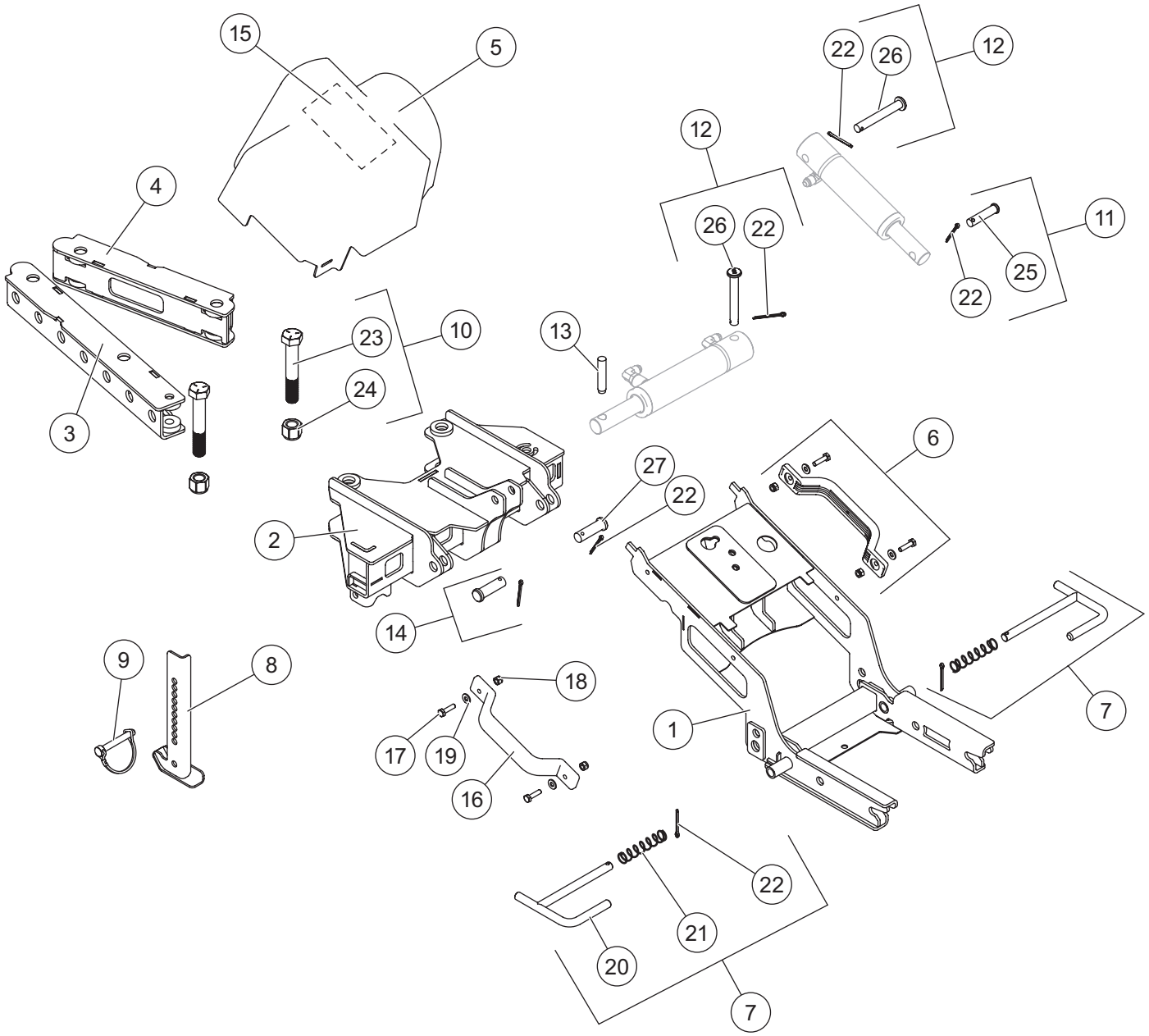


† **Accessory only.**

TRAILBLAZER™ Mid-Duty UTV Straight Blade Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	80120	1	MD UTV Blade (5'6") with Labels	9	76887	1	Rubber Bumper Kit
	80117	1	MD UTV Blade (6') with Labels	10†	74239	1	Shoe Assembly Kit (2 shoes per kit)
2	91290	1	1/4 Steel Cutting Edge Kit (5'6")	11†	91210	1	Poly Cutting Edge Kit (5'6")
	91295	1	1/4 Steel Cutting Edge Kit (6')		91215	1	Poly Cutting Edge Kit (6')
3	50651	2	Clevis Pin Kit w/Cotter (blade to quad)	ns	78516†	1	3/8 Steel Cutting Edge Kit (5'6")
4	80308	1	Quadrant		78517†	1	3/8 Steel Cutting Edge Kit (6')
5	74222	1	Blade Guide Kit	12†	91235	1	Rubber Deflector Kit (5'6")
6	84702	2	Eyebolt Kit		84985	1	Rubber Deflector Kit (6')
7	B61167	2	Trip Spring	ns	76888	1	Blade Label Kit
8	76886	2	Pivot Pin Kit (for link arms)				
Item 2			**91290 (5'6") / 91295 (6') 1/4 Steel Cutting Edge Kit**				
13	91310	1	Bolt Bag – Steel Cutting Edge	14		1	1/4 Steel Cutting Edge
Item 3			**50651 Clevis Pin Kit w/Cotter**				
15		1	5/8 x 2 Clevis Pin	16		1	5/32 x 1-1/2 Cotter Pin
Item 6			**84702 Eyebolt Kit**				
17		1	5/8-11 x 4 Eyebolt	19		1	5/8-11 Hex Locknut GB
18		1	5/8 Hardened Flat Washer				
Item 8			**76886 Pivot Pin Kit (for link arms)**				
16		1	5/32 x 1-1/2 Cotter Pin	20	66950	1	3/4 x 4 Clevis Pin
Item 9			**76887 Rubber Bumper Kit**				
21		2	5/16-18 x 1-1/2 Hex Cap Screw G5	23	27615	2	Rubber Bumper
22		4	5/16 Flat Washer	24		2	5/16-18 Hex Locknut GB
Item 11†			**91210 (5'6") / 91215 (6') Poly Cutting Edge Kit**				
		1	Poly Cutting Edge (5'6")	25	91270	1	Bolt Bag – Poly Cutting Edge
Item 13			**91310 Bolt Bag – Steel Cutting Edge**				
26		9	3/8-16 Hex Locknut GB	27		9	3/8-16 x 1-1/2 Carriage Bolt G5
Item 25			**91270 Bolt Bag – Poly Cutting Edge**				
		9	3/8-16 Hex Locknut GB			9	3/8 Flat Washer
		9	3/8-16 x 2 Hex Cap Screw GB				
78516† 3/8 Steel Cutting Edge Kit (5'6")							
	31267	1	3/8 Cutting Edge 5'6"	13	91310	1	Bolt Bag – Steel Cutting Edge
78517† 3/8 Steel Cutting Edge Kit (6')							
	31298	1	3/8 Cutting Edge 6'	13	91310	1	Bolt Bag – Steel Cutting Edge
76888 Blade Label Kit							
28	84847	1	Label – Warning/Caution, UTV	31	30496	1	Label – Warning, High Pressure Fluid
29	88706	1	Label – Attach/Detach, MD UTV	ns	84772	1	Label – Logo, TRAILBLAZER™
30	26211	1	Label – Logo, STORM GUARD™	ns	96991	1	Label – Logo, FISHER® Splatter
			ns = not shown				G = Grade

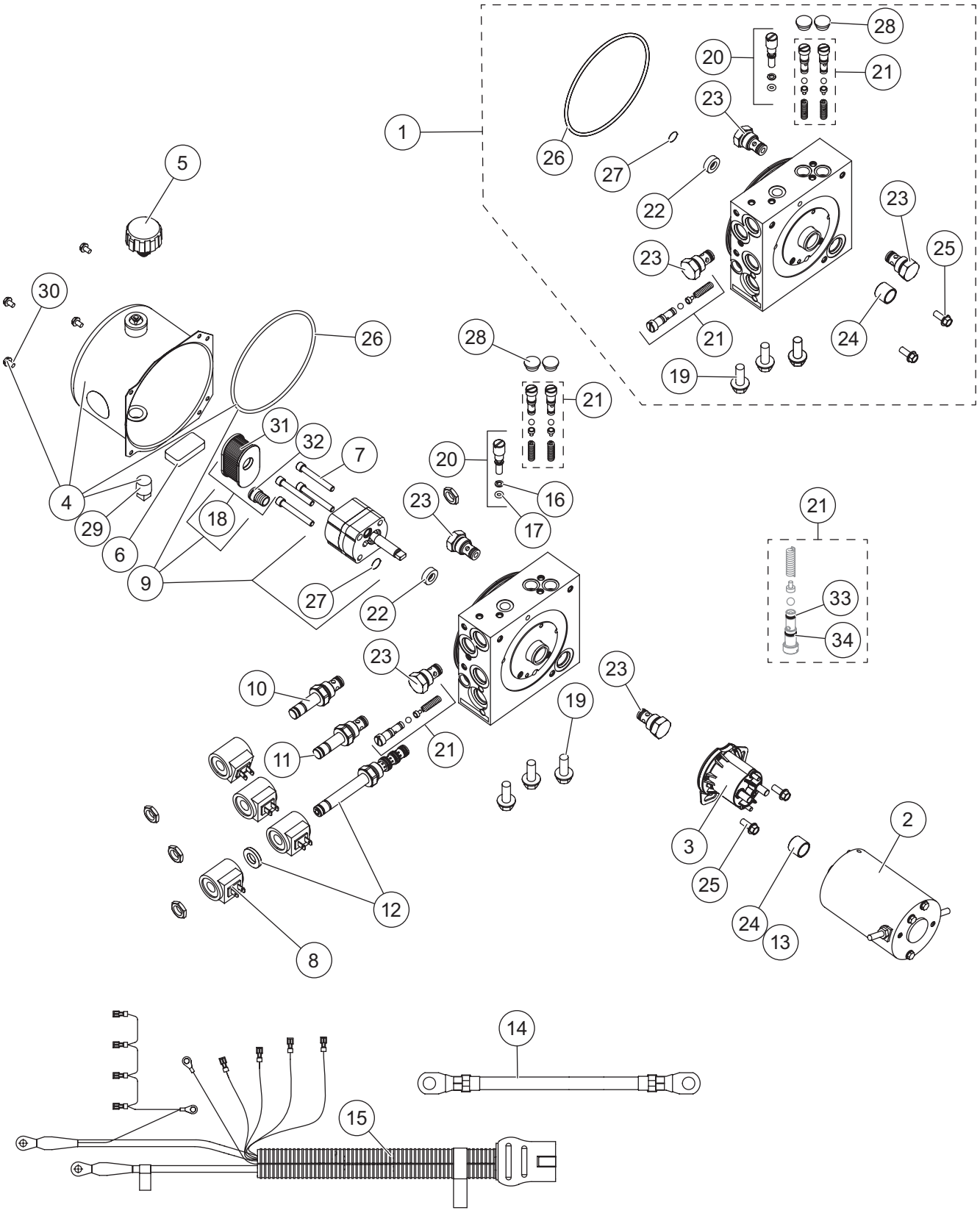
† Accessory only.

Headgear, Link Arms & Angle Frame Components



Mid-Duty UTV Straight Blade Headgear, Link Arms & Angle Frame Components							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	81961	1	Headgear	9	77650	1	Wire-Lock Clevis Pin
2	81692	1	Angle Frame	10	81969	2	Link Arm Bolt Kit
3	81963	1	Drive Link Arm	11	76808	1	Pin Kit (for rod end of lift ram)
4	81964	1	Swing Link Arm	12	76809	2	Pin Kit (for base end of both rams)
5	81965	1	Hydraulic Cover (incl. item 15)	13	91514	1	Link Pin (for rod end of angle ram)
6	81966	2	Handle Kit	14	84905	2	DD Pin Kit (angle frame to headgear)
7	81967	2	Pull Pin Assembly Kit	15	74506	1	Label – Information, Hydraulic Unit
8	81968	1	Jack Leg				
Item 6			**81966 Handle Kit**				
16	78534	1	Handle	18		2	1/4-20 Hex Locknut GB
17		2	1/4-20 x 1 Hex Cap Screw G5	19		2	1/4 Washer
Item 7			**81967 Pull Pin Assembly Kit**				
20		1	Pull Pin	22		1	Cotter Pin
21		1	Spring				
Item 10			**81969 Link Arm Bolt Kit**				
23		1	3/4-10 x 4-1/2 Hex Cap Screw G5	24		1	3/4-10 Locknut GB
Item 11			**76808 Pin Kit (for rod end of lift ram)**				
22		1	5/32 x 1-1/2 Cotter Pin	25		1	1/2 x 2-1/8 Clevis Pin HT
Item 12			**76809 Pin Kit (for base end of both rams)**				
22		1	5/32 x 1-1/2 Cotter Pin	26		1	1/2 x 3-11/16 Clevis Pin HT
Item 14			**84905 DD Pin Kit (angle frame to headgear)**				
22		1	5/32 x 1-1/2 Cotter Pin	27		1	5/8 x 2 Clevis Pin
G = Grade				HT = Heat Treated			

Hydraulic Unit Components



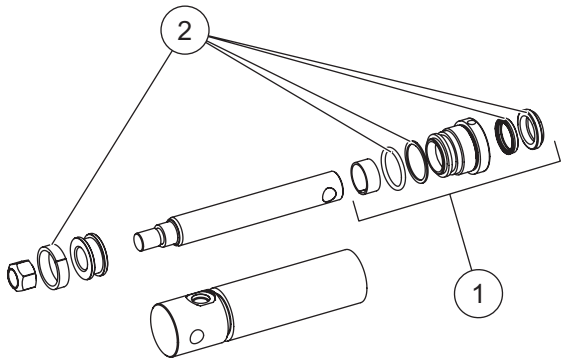
85499 Hydraulic Unit							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	76977	1	Manifold Assembly w/o Valves	11	77099	1	Valve SV08-24 w/Nut
2	48543-1	1	Motor Assembly, 3"	12	52285	1	Valve 4-Way 3-Position Closed Center w/ Nut and Spacer
3	52290	1	Motor Relay				
4	76978	1	Reservoir Kit	13	64596-1*†	1	Sleeve Bearing and Shaft Seal Kit
5	21727-2	1	Breather, Pressure Control	14	29071	1	8" Cable
6	73897	1	Magnet	15	80202	1	Plow Cable Assembly
7	88916	4	1/4-20 x 2 Socket-Head Cap Screw	16	48240	1	Backup Ring -106
8	7639K-2	4	Coil w/Spade Terminals	17	48239	1	O-Ring -106
9	80300	1	Hydraulic Pump Kit	18	80307	1	Inlet Filter Kit
10	7634K-2	1	Valve 2-Way w/Nut				
Item 1			**76977 Primary Manifold w/o Valves**				
19	72384-1	1	3/8-16 x 1 Serrated Flange Hex Cap Screw (pkg of 3)	24	56364†	1	Bearing Sleeve
				25	44355	2	1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw
20	48517	1	Quill				
21	7629K-4	2	Relief Valve Kit (2 sets)	26	66519	1	O-Ring 2-250
22	66515	1	Pump Shaft Seal	27	25730	1	O-Ring -012
23	84934	3	Check Valve	28	56808	2	Plug
Item 4			**76978 Reservoir Kit**				
	–	1	Reservoir	29	92079	1	Plug, Square 3/8 NPTF
26	66519	1	O-Ring 2-250	30	66607	4	#10-24 x 5/16 Machine Screw
Item 9			**80300 Hydraulic Pump Kit**				
	–	1	Pump, Hydraulic	31	26781-4	1	Suction Filter
26	66519	1	O-Ring 2-250	32	10887	1	Hydraulic Pump Inlet Fitting
27	25730	1	O-Ring -012				
Item 21			**7629K-4 Relief Valve Kit (2 sets)**				
	–	2	Relief Valve Assembly	34	25731	2	O-Ring -010
33	55371	2	O-Ring -008				
O-Ring Service Kits							
ns	52298-3	–	O-Ring Kit	ns	48259-2	–	Seal Kit Cartridge 3-Way and 4-Way Valve
ns	49258-2	–	Seal Kit 2-Way Valve				
ns = not shown							G = Grade

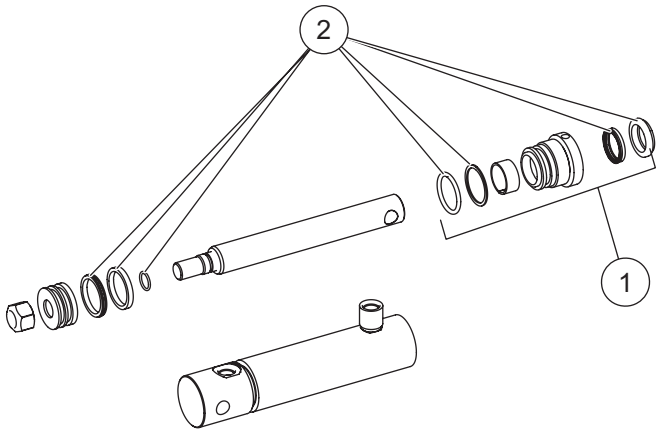
* Use 28856 tool for pump shaft seal replacement (includes 1 seal).

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

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

Lift and Angle Ram Components

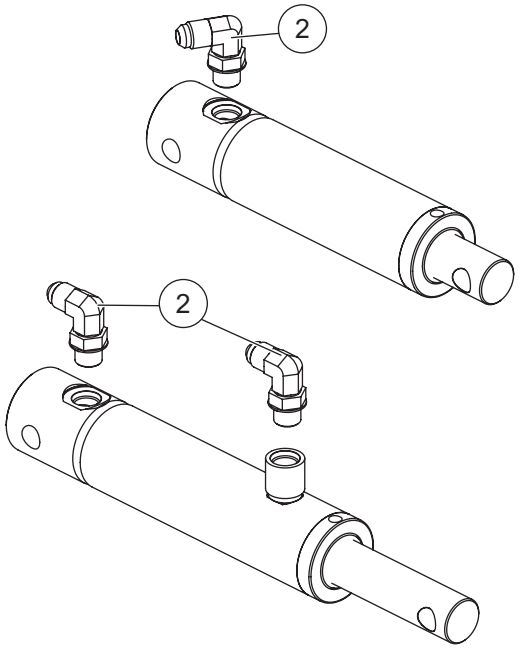


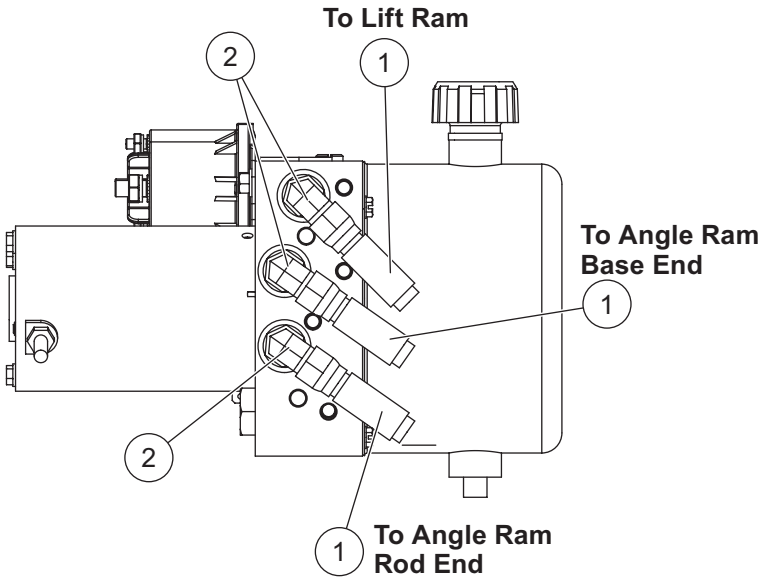


31653 Lift Ram Assembly 1-1/2 x 3			
Item	**Part**	**Qty**	**Description**
1	92964	1	1" Gland Nut Assembly
2	92965	1	Seal Kit 1-1/2 SA Ram

31654 Angle Ram Assembly 1-1/2 x 4 DA			
Item	**Part**	**Qty**	**Description**
1	92964	1	1" Gland Nut Assembly
2	96275	1	Seal Kit 1-1/2 DA Ram

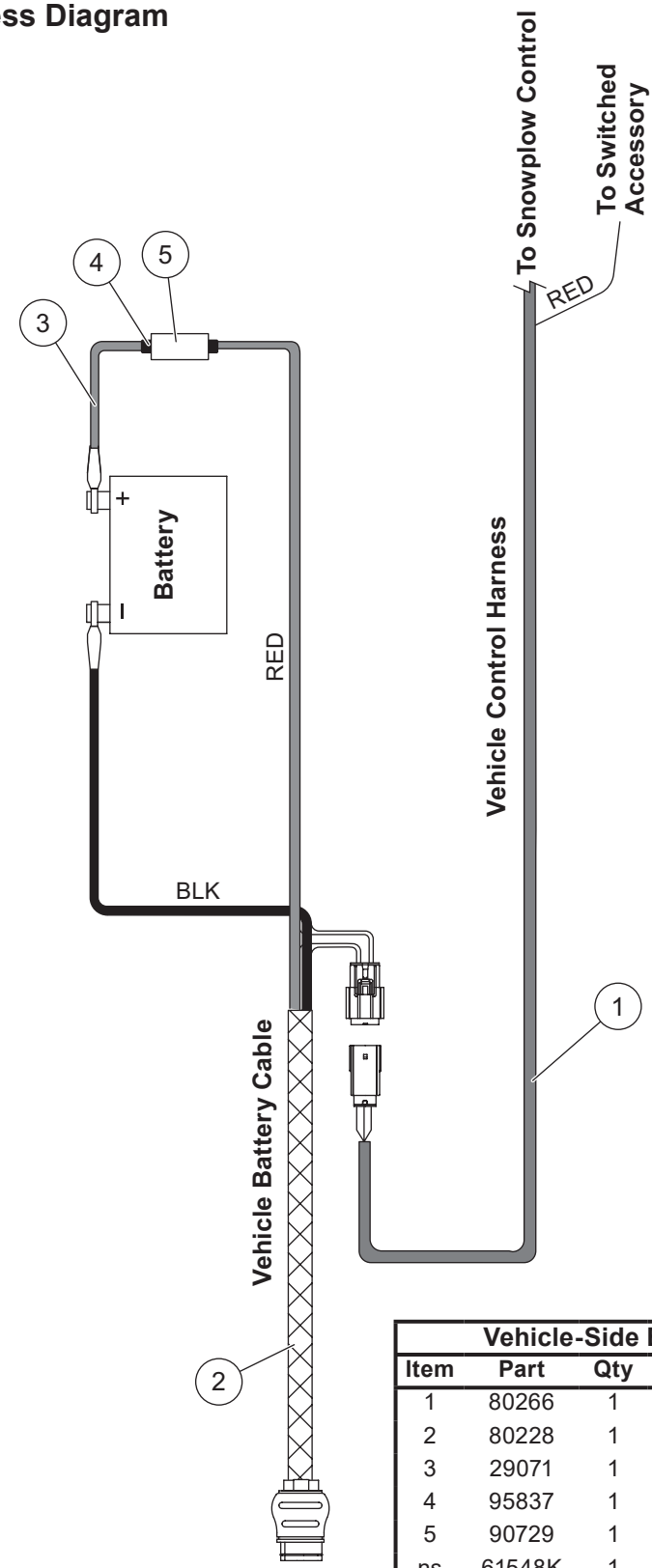
Hoses and Fittings





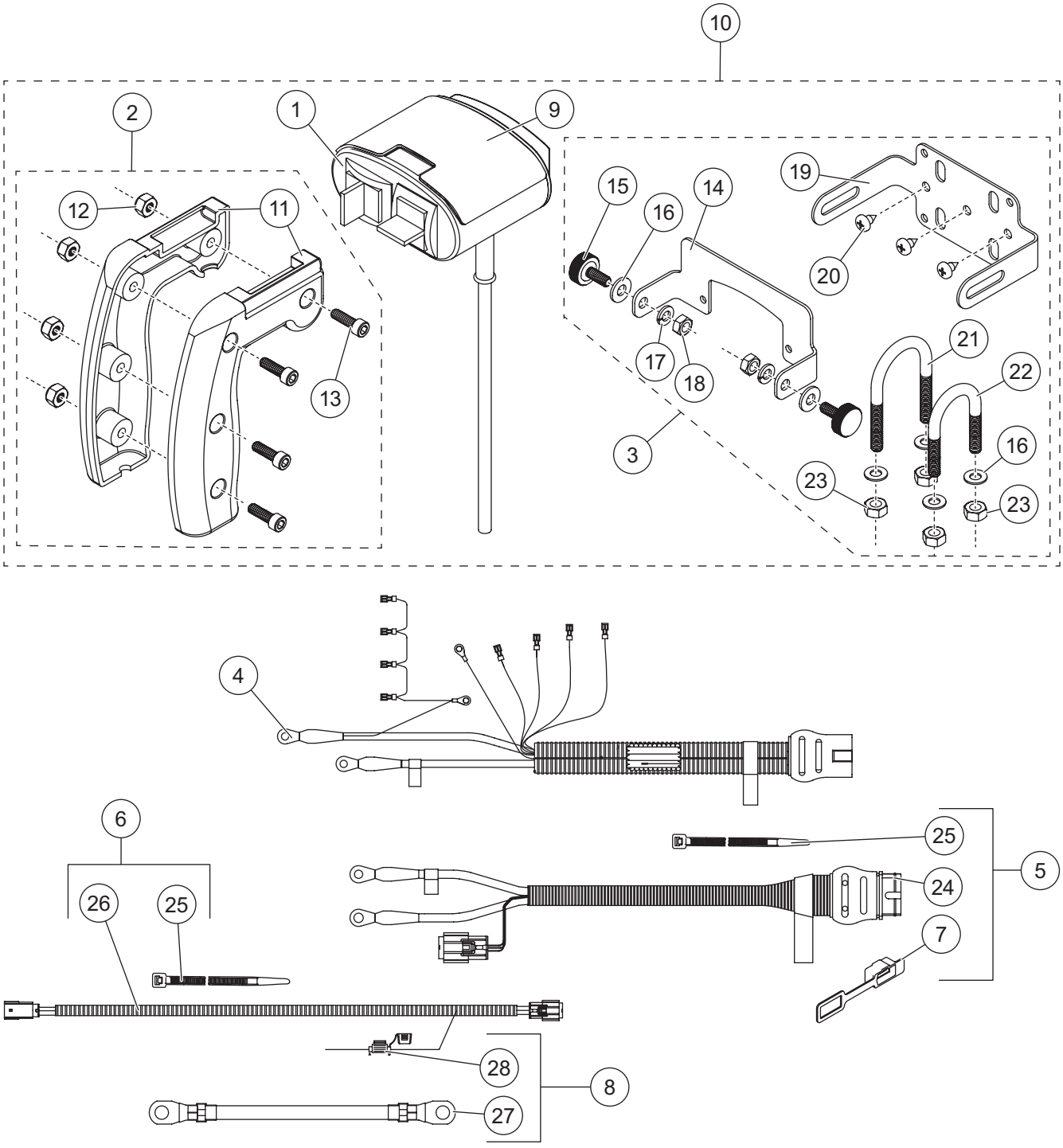
Hoses and Fittings							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	84453	3	Hose, 1/4 x 20 w/F JIC Ends	ns	56823	1	Hose Wrap
2	56615-1	6	Elbow, 90° –6 M JIC/–6 M ORB				
F = Female			ns = not shown				M = Male

Vehicle-Side Harness Diagram



Vehicle-Side Electrical Components			
Item	**Part**	**Qty**	**Description**
1	80266	1	Vehicle Control Harness
2	80228	1	Vehicle Battery Cable
3	29071	1	8" Cable
4	95837	1	Fuse Holder
5	90729	1	200A Fuse
ns	61548K	1	Plug Cover (pkg of 2)
ns	56099	1	Dielectric Grease
ns = not shown			

Mid-Duty UTV Control Kit



90185 Snowplow Control Kit, Mid-Duty UTV							
Item	**Part**	**Qty**	**Description**	**Item**	**Part**	**Qty**	**Description**
1	90125	1	Hand-Held Control, Mid-Duty UTV (incl. item 9)	6	80266	1	Control Cable Assembly
				7	99759	1	8-Pin Plug Cover
2	90115	1	Handle Grip Housing Kit	8	90730	1	200A Fuse Kit
3	90150	1	Bracket Kit, UTV Snowplow Control	9	77669	1	Label – Faceplate, MD UTV Control
4	80202	1	Snowplow Cable Assembly	10	97185	1	Snowplow Control Kit, Mid-Duty UTV
5	80228	1	Vehicle Cable Assembly				
Item 2			**90115 Handle Grip Housing Kit**				
11	91468	1	Handle Housing (2 halves)	13		4	#10-24 x 5/8 Socket Head Cap Screw SS
12		4	#10-24 Hex Locknut GB SS				
Item 3			**90150 Bracket Kit, UTV Snowplow Control**				
14		1	Bracket – Control	19		1	Bracket – Mounting
15		2	1/4-20 x 5/8 Thumb Screw, Plastic	20		3	#10 PHST x 3/8 Tapping Screw SS
16		6	1/4 Flat Washer SS	21		1	1/4-20 x 1-1/4 x 2-1/4 RD U-Bolt SS
17		2	1/4 Lock Washer SS	22		1	1/4-20 x 1 x 1-3/4 RD U-Bolt SS
18		2	1/4-20 Hex Nut SS	23		4	1/4-20 Hex Locknut GB SS
Item 5			**80228 Vehicle Cable Assembly**				
7		1	8-Pin Plug Cover	25		10	Cable Tie, 15.35"
24		1	Vehicle Cable				
Item 6			**80266 Control Cable Assembly**				
25		5	Cable Tie, 15.35"	ns		1	Splice (pkg of 5)
26		1	Control Cable	ns		1	Heatshrink Tubing
Item 8			**90730 200A Fuse Kit**				
27		1	Cable Assembly, 8"	ns		1	200A Mega Fuse
28		1	Fuse Holder				
Item 10			**97185 Snowplow Control Kit, Mid-Duty UTV**				
1	90125	1	Hand-Held Control, Mid-Duty UTV	3	90150	1	Bracket Kit, UTV Snowplow Control
2	90115	1	Handle Grip Housing Kit	9	77669	1	Label – Faceplate, MD UTV Control
ns = not shown			SS = Stainless Steel				G = Grade

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