



Parts Manual



RUSTLER **Heavy Harrow**

Part Number H72504-01

MORRIS PAINT

Spray Cans:

Part Number	Description
N53713	1K Red MORRIS Touch-Up Pen 12 ml
N53715	1K Red MORRIS Aerosol Can 400 ml
N55450	2K Red Base MORRIS Aerosol Can 250 ml
N55452	2K Clear Coat MORRIS Aerosol Can 250 ml
N55453	2K Grey Primer MORRIS Aerosol Can 250 ml
K65885	White CF-546 Titan Aerosol Can 360 ml

MANUALS

Part Number	Description
H72503	Operator's Manual

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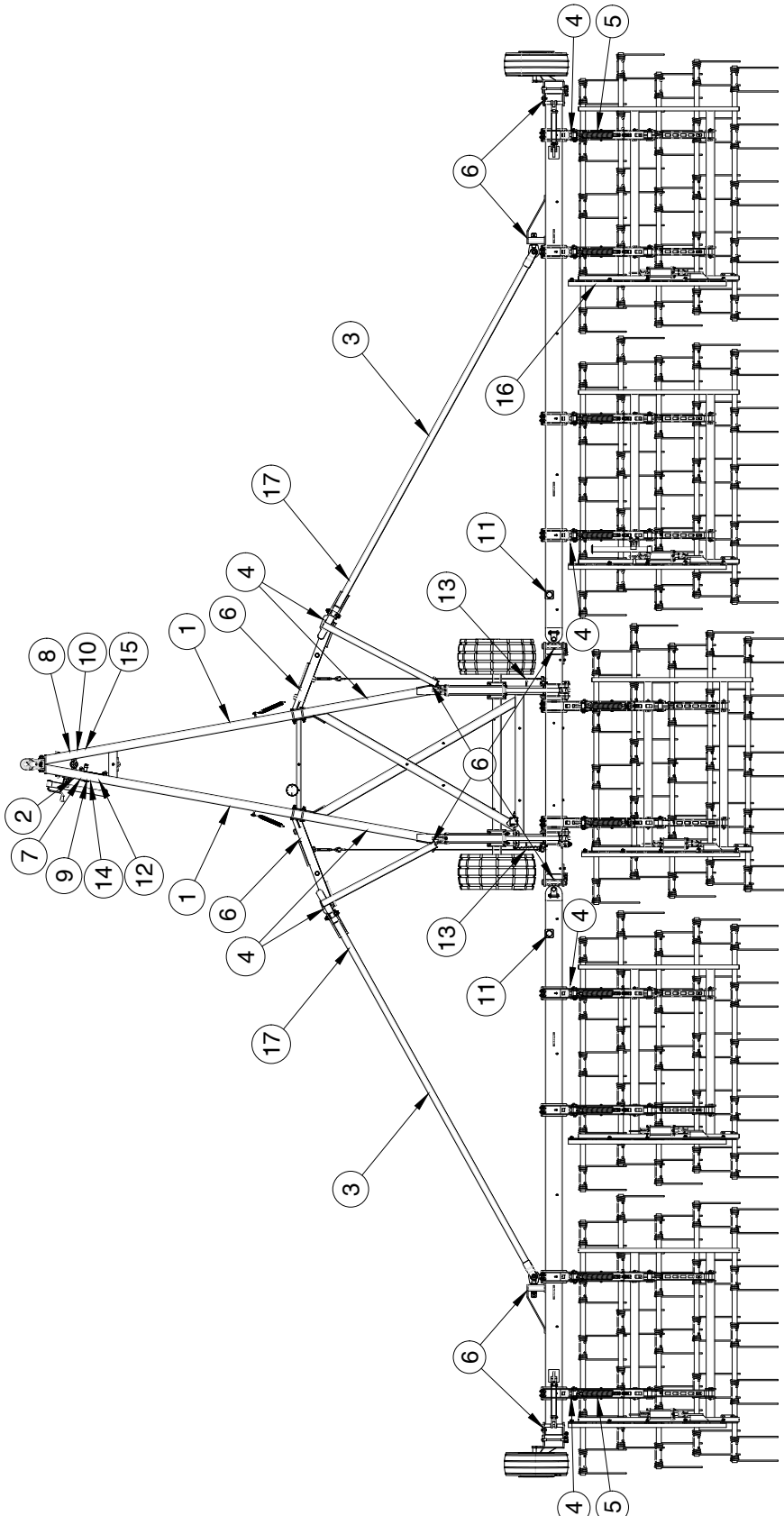
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Safety Signs - Decals

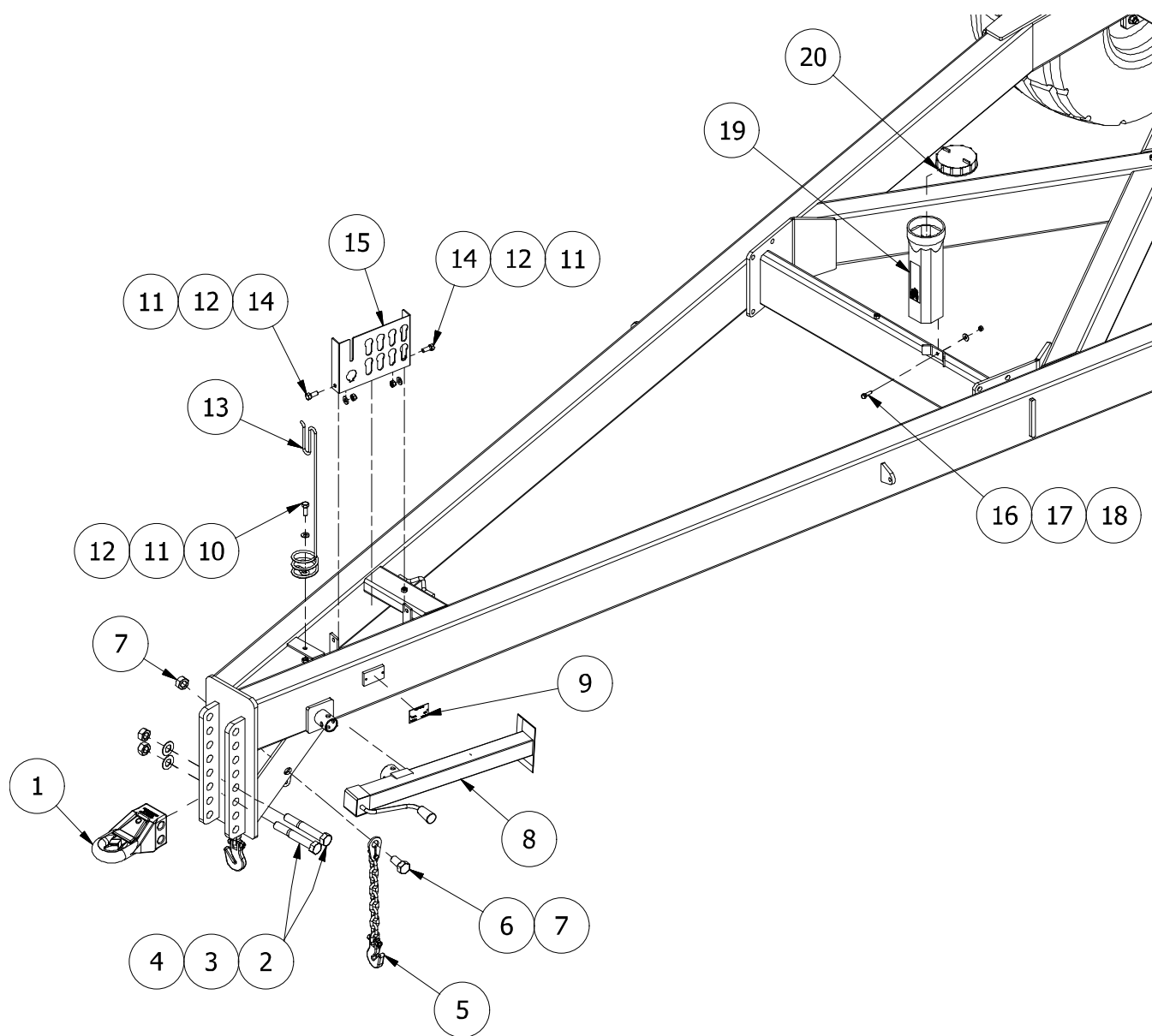
Item	Part No.	Description	Qty
1	S66442	Morris - Decal.....	2
2	060-0038	Attention - Ensure That All Cylinders Are Retracted... ..	1
3	H72505	Rustler 5-55 Used On 55' 5-bar Unit	2
	H72506	Rustler 5-68 Used On 68' 5-bar Unit	2
	H72507	Rustler 5-78 Used On 78' 5-bar Unit	2
	H72511	Rustler 5-90 Used On 90' 5-bar Unit	2
	H73297	Rustler 7-58 Used On 58' 7-bar Unit	2
	H73298	Rustler 7-72 Used On 72' 7-bar Unit	2
	H73299	Rustler 7-82 Used On 82' 7-bar Unit	2
4	060-0009	Amber Reflector (3 x 2)	14
5	060-0022	Red Reflector (3 x 2)	2
6	060-0046	Grease Every 8 Hours.....	10
7	060-0015	Important - Block Wheels... ..	1
8	060-0028	Warning - Lower Or Block Elevated Components	1
9	060-0011	Caution - Escaping Fluid Hazard... ..	1
10	060-0029	Warning - Stand Clear Of Hitch Tongue... ..	1
11	060-0036	Place Jack In Small Mount For Transport.....	2
12	*****	Morris Serial Number Plate.....	1
13	060-0050	Warning - Tine Angling Cylinders... ..	2
14	060-0061	Hydraulic - Hose Application	1
15	060-0067	Warning - Check And Tighten Hub And Wheel Bolts.....	1
16	060-0091	Tine Angle Indicator - (1234) 11 x 2-3/4".....	1
17	H72508	Morris Bullet.....	2

Section 2: Parts

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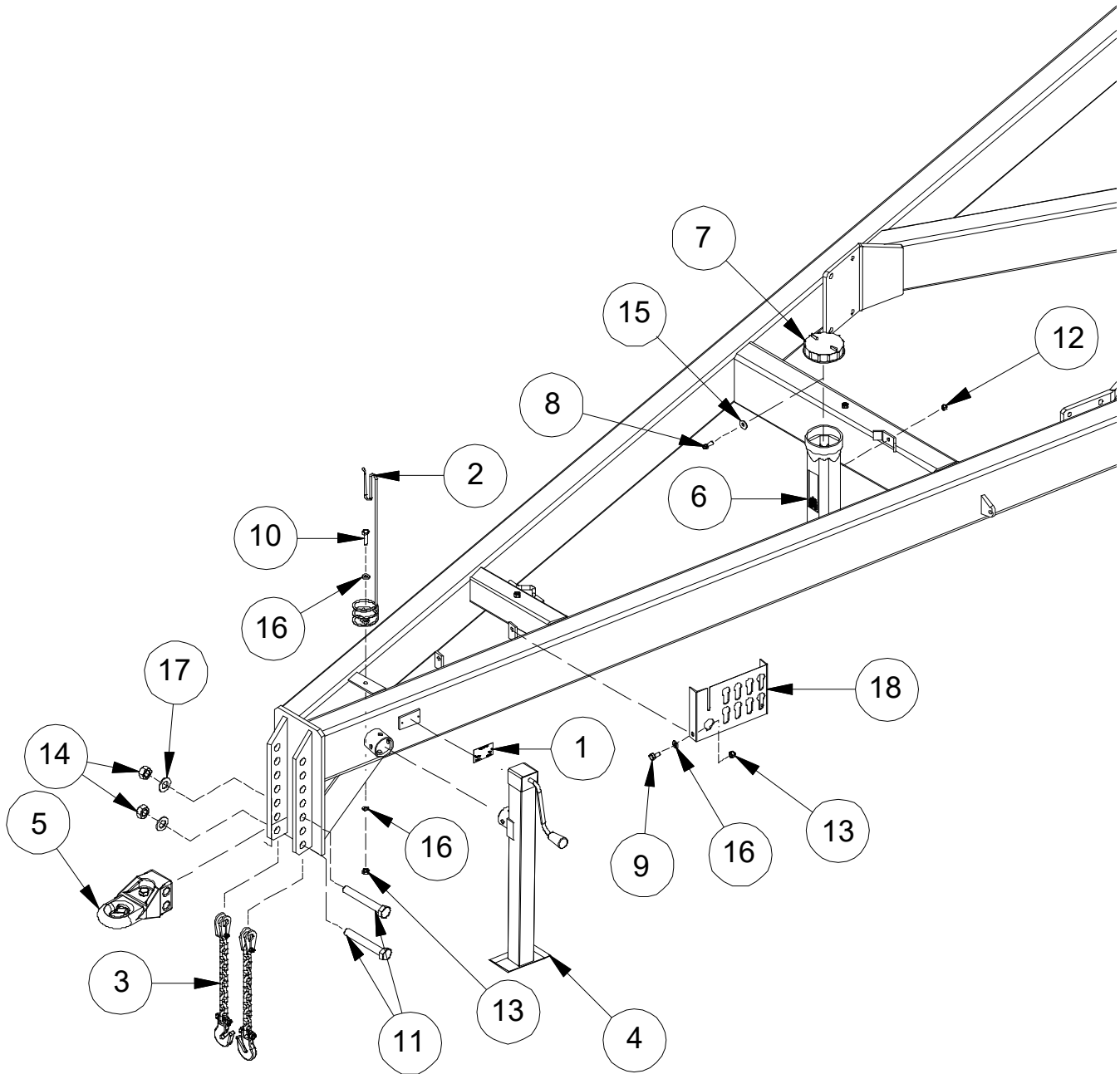
A-Frame Hitch - 55, 58, 68, 72, 78



A-Frame - Hitch - 55, 58, 68, 72, 78

Item	Part No.	Description	Qty
1	423-0001	PP1-301VH Perfect Hitch C/W PP1-301VH	
2	526-1656	Bolt, 1-8 UNC - 7, Gr.5, Yellow Zinc Plated.....	
3	550-5316	Washer, Flat, 1" - SAE, Gr.5, Yellow Zinc Plated	
4	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated	
5	409-9050	Safety Chain 20,000Lb, Clevis Mount, New Style.....	
6	526-1616	Bolt, 1-8 UNC - 2, Gr.5, Yellow Zinc Plated.....	
7	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated	
8	420-0168	5000Lb. 20" Square Sidewind Jack 20.1"RI	
9	* * * * *	Serial Plate - Morris Equipment	
10	526-0812	Bolt, 1/2-13 UNC - 1.5, Gr.5, Yellow Zinc Plated	
11	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated	
12	526-6105	Nut, Stover Lock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated	
13	407-0003	24" Shepherd Hook Hose Standoff.....	
14	526-0810	Bolt, 1/2-13 UNC - 1.25, Gr.5, Yellow Zinc Plated	
15	835-1009	Chain And Tip Holder 14-1/4 x 8	
16	526-0610	Bolt, 3/8-16 UNC - 1.25, Gr.5, Yellow Zinc Plated	
17	550-5206	Washer, Flat, 3/8" - SAE, Gr.5, Yellow Zinc Plated	
18	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated	
19	426-0001	Manual Storage Tube.....	
20	426-0002	Manual Storage Tube Cap	

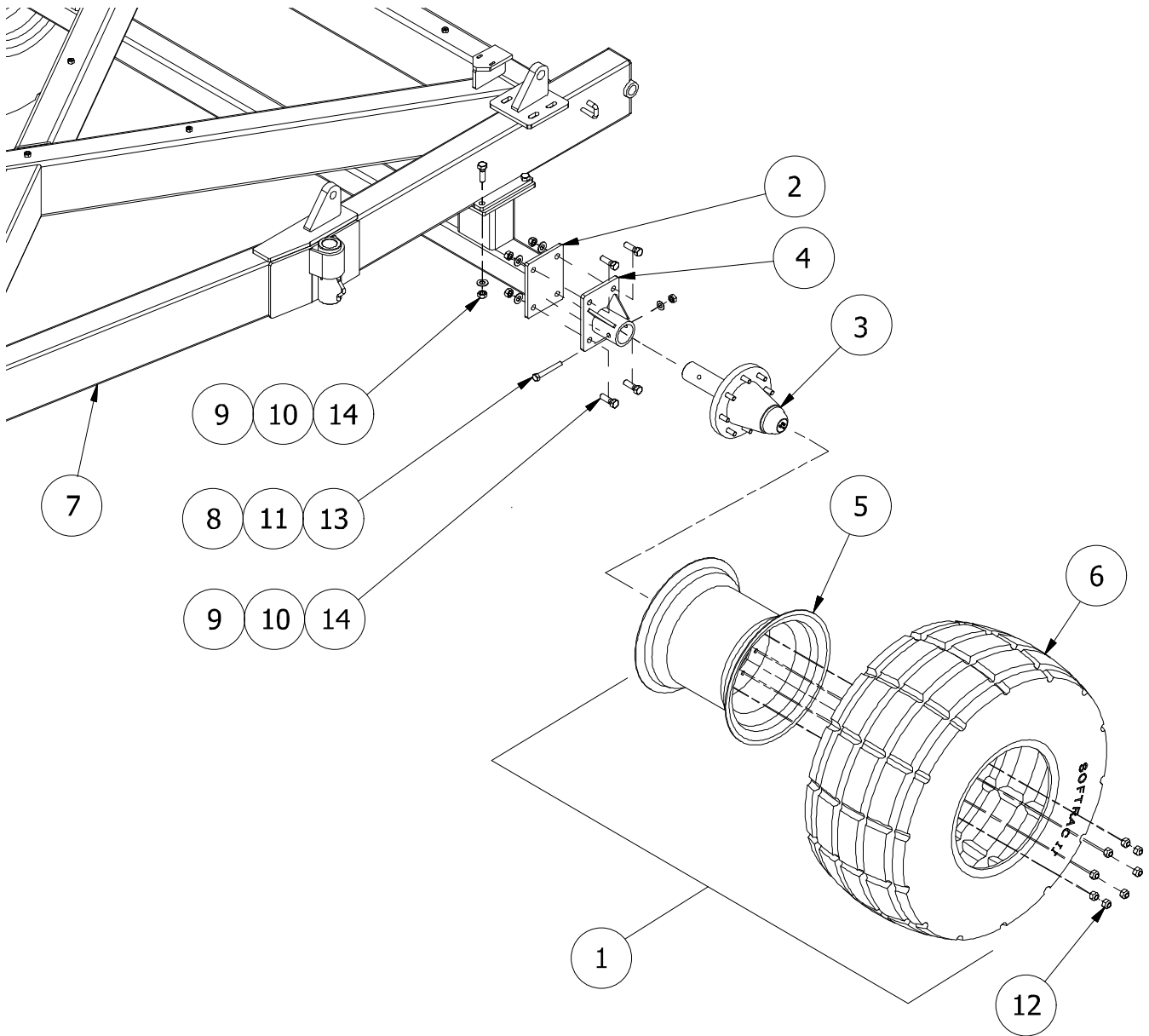
A-Frame Hitch - 82, 90



A-Frame - Hitch - 82, 90

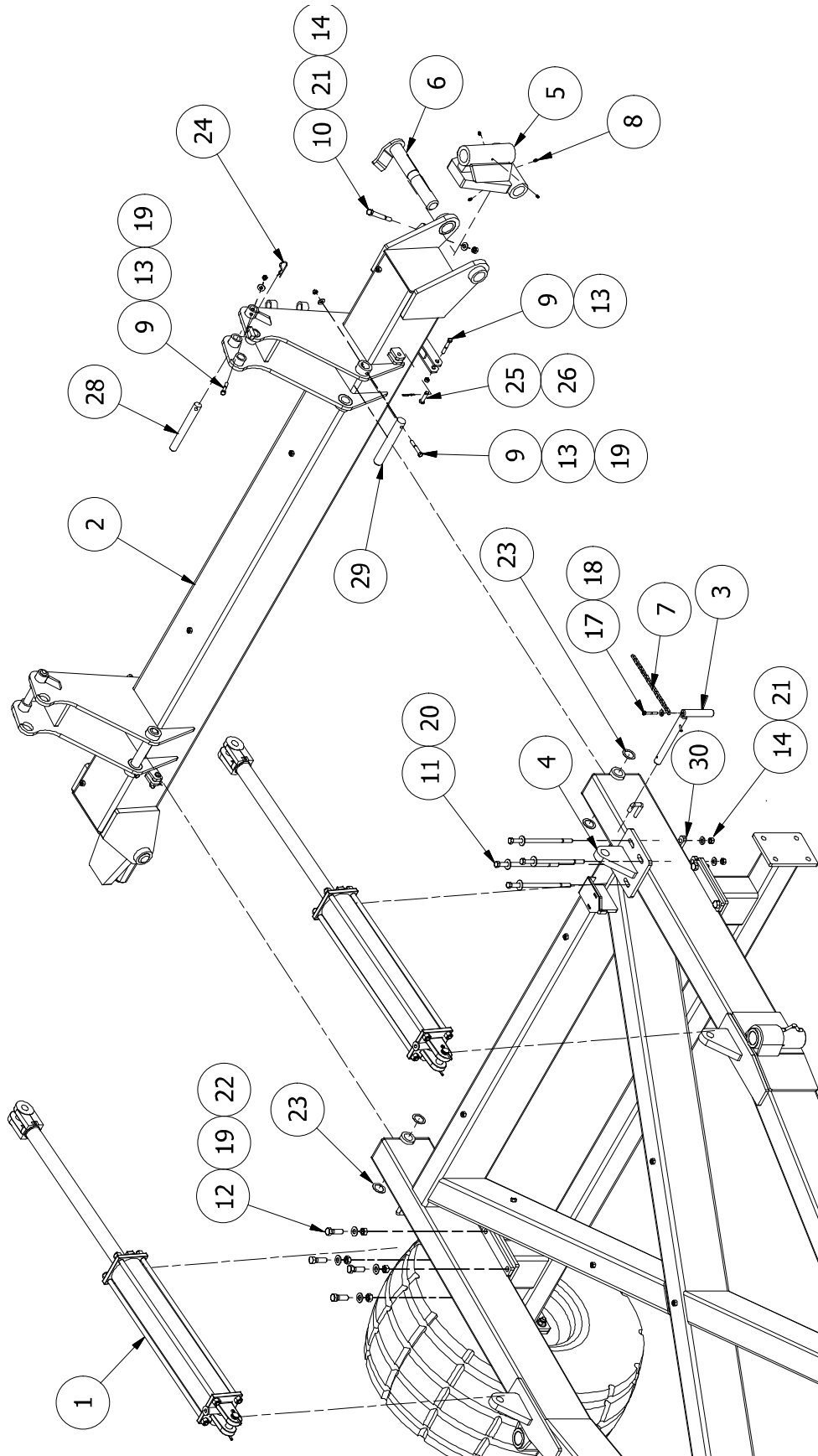
Item	Part No.	Description	Qty
1	*****	Serial Plate.....	
2	407-0003	24" Shepherd Hook Hose Standoff.....	
3	409-9050	Safety Chain 20,000Lb, Clevis Mount.....	
4	420-0168	5000Lb. 20" Square Sidewind Jack 20.1"RL.....	
5	423-0001	PP1-301VH Perfect Hitch C/W PP1-301VH.....	
6	426-0001	Manual Storage Tube.....	
7	426-0002	Manual Storage Tube Cap.....	
8	526-0610	Bolt, 3/8-16 UNC - 1.25, Gr.5, Yellow Zinc Plated.....	
9	526-0810	Bolt, 1/2-13 UNC - 1.25, Gr.5, Yellow Zinc Plated.....	
10	526-0812	Bolt, 1/2-13 UNC - 1.5, Gr.5, Yellow Zinc Plated.....	
11	526-1656	Bolt, 1-8 UNC - 7, Gr.5, Yellow Zinc Plated.....	
12	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated.....	
13	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated.....	
14	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated.....	
15	550-5206	Washer, Flat, 3/8" - SAE, Gr.5, Yellow Zinc Plated.....	
16	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated.....	
17	550-5316	Washer, Flat, 1" - SAE, Gr.5, Yellow Zinc Plated.....	
18	835-1009	Chain and Tip Holder 14-1/4 x 8.....	

A-Frame Axle



A-Frame - Axle			
Item	Part No.	Description	Qty
1	020-0105	Tire and Wheel Assembly - 16.5L x 16.1 - 8 Bolt - (55' - 58' - 68' - 72' - 78')	
	020-0121	Tire and Wheel Assembly - 21.5L x 16.1 - 8 Bolt - (82' - 90')	
2	120-1117	Centre Axle - (55' - 58' - 68' - 72' - 78') (Shown)	
	110-1248	Centre Axle - (82' - 90')	
3	120-1246	812 Hub & Spindle Assembly	
4	120-1230	Centre Axle Stub Assembly	
5	204-5585	W14C x 16.1 - 8 Hole Wheel, 3/8" Offset - (55' - 58' - 68' - 72' - 78')	
	204-5582	W16C x 16.1 - 8 Hole Wheel, 1-1/2" Offset - (82' - 90')	
6	205-1192	Tire - 16.5L x 16.1 - 12 Ply - (55' - 58' - 68' - 72' - 78')	
	205-1203	Tire - 21.5L x 16.1 - 6 Ply - (82' - 90')	
7	105-0363	A-Frame Weldment - (55' - 58' - 68' - 72' - 78') (Shown)	
	105-1330	A-Frame Weldment - (82' - 90')	
8	526-0932	Bolt - 9/16-12 UNC - 4, Gr5, Yellow Zinc Plated	
9	526-1016	Bolt - 5/8-11 UNC - 2, Gr5, Yellow Zinc Plated	
10	526-6106	Nut - Stover Lock, 5/8-11 UNC, Gr5, Yellow Zinc Plated	
11	526-6112	Nut - Stover Lock, 9/16-12 UNC, Gr5, Yellow Zinc Plated	
12	543-5563	9/16 Wheel Nut, NF, Gr5, Pltd	
13	550-5309	Washer, Flat, 9/16" - SAE, Gr5, Yellow Zinc Plated	
14	550-5310	Washer, Flat, 5/8" - SAE, Gr5, Yellow Zinc Plated	

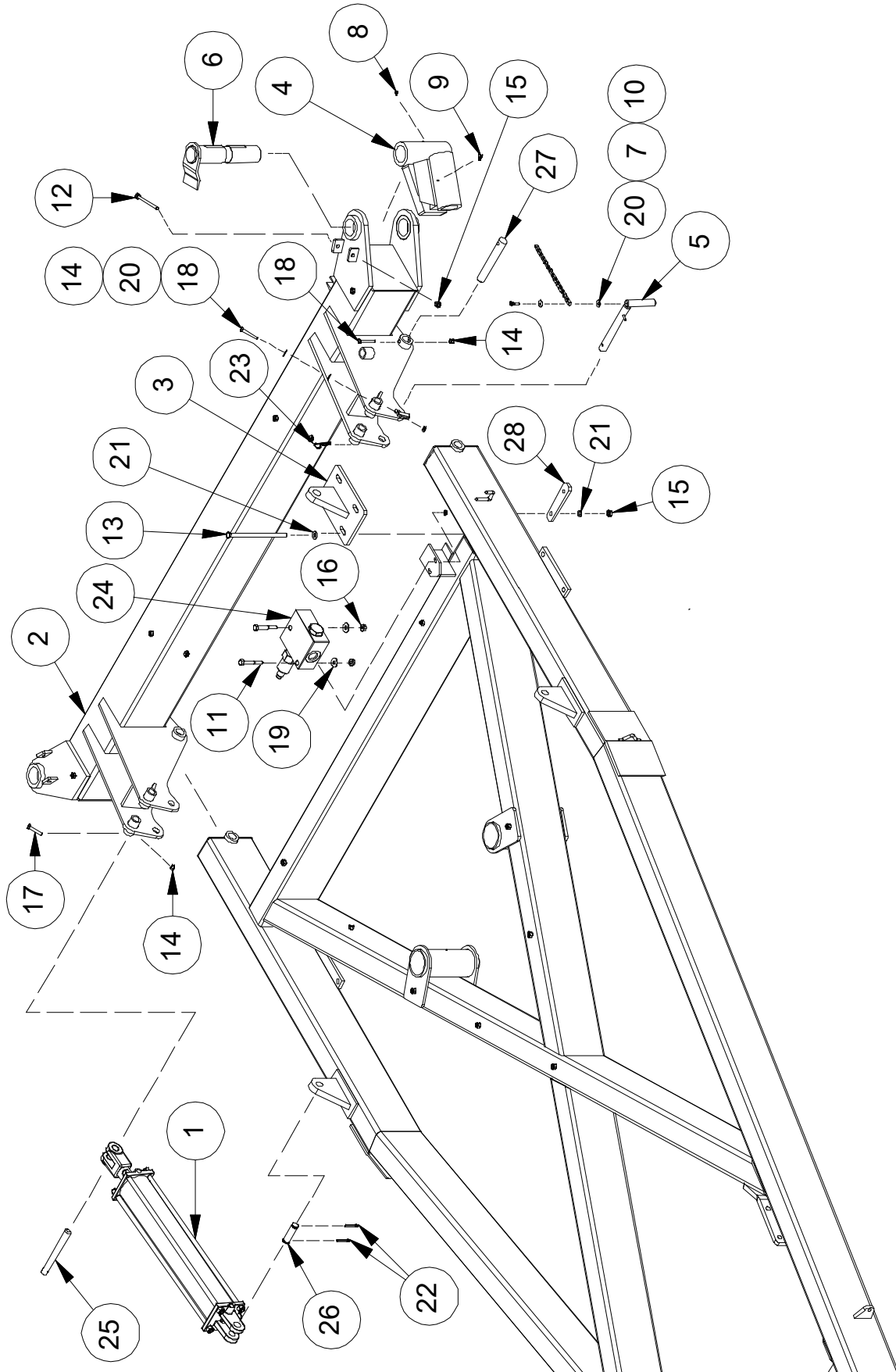
A-Frame Center Bar - 55, 58, 68, 72, 78



A-Frame - Center Bar - 55, 58, 68, 72, 78

Item	Part No.	Description	Qty
1	030-5985	Tie Rod Cylinder, 4" Bore x 24" Stroke, 1.5" Rod, 36" RL	
	030-5987	Tie Rod Cylinder, 4" Bore x 24" Stroke, 2" Rod, 36" RL (72' Only) Model 7-72	
2	105-1246	Centre Bar Weldment	
3	105-1328	Hyd. Valve Lock Pin Weldment (Hollow)	
4	112-0509	Hyd. Lock Lug Weldment	
5	113-0031	1-3/4 x 1-3/4 Knuckle	
6	123-3204	1-3/4 x 11-1/4 Knuckle Lock Pin	
7	409-9057	Hyd. Lock Pin Chain	
8	419-0004	Grease Zerk, 1/4"NF - Straight	
9	526-0620	Bolt, 3/8-16 UNC - 2.25, Gr.5, Yellow Zinc Plated	
10	526-0836	Bolt, 1/2-13 UNC - 4.5, Gr.5, Yellow Zinc Plated	
11	526-0880	Bolt, 1/2-13 UNC - 10, Gr.5, Yellow Zinc Plated	
12	526-1016	Bolt, 5/8-11 UNC - 2, Gr.5, Yellow Zinc Plated	
13	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated	
14	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated	
15	526-6106	Nut, Stover Lock, 5/8-11 UNC, Gr.5, Yellow Zinc Plated	
17	530-0516	Bolt, 5/16-18 UNC - 2, Gr.8, Yellow Zinc Plated	
19	550-5206	Washer, Flat, 3/8" - USS, Gr.5, Yellow Zinc Plated	
20	550-5208	Washer, Flat, 1/2" - USS, Gr.5, Yellow Zinc Plated	
21	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated	
22	550-5310	Washer, Flat, 5/8" - SAE, Gr.5, Yellow Zinc Plated	
23	554-1065	Washer, Flat, 1 1/4 - Narrow, Gr.5, Yellow Zinc Plated	
24	558-2057	#9 Hitch Pin Clip, Pltd.	
25	558-2059	3/32 x 2-5/16 #7 Hitch Pin Clip	
26	560-0808	1/2 x 1-3/4 Clevis Pin (Jumbo)	
28	807-2804	1 x 8-5/8 Lift Cylinder Pin	
29	807-3205	Centre Bar Pivot Pin	
30	815-1008	Lock Lug Tie Plate	

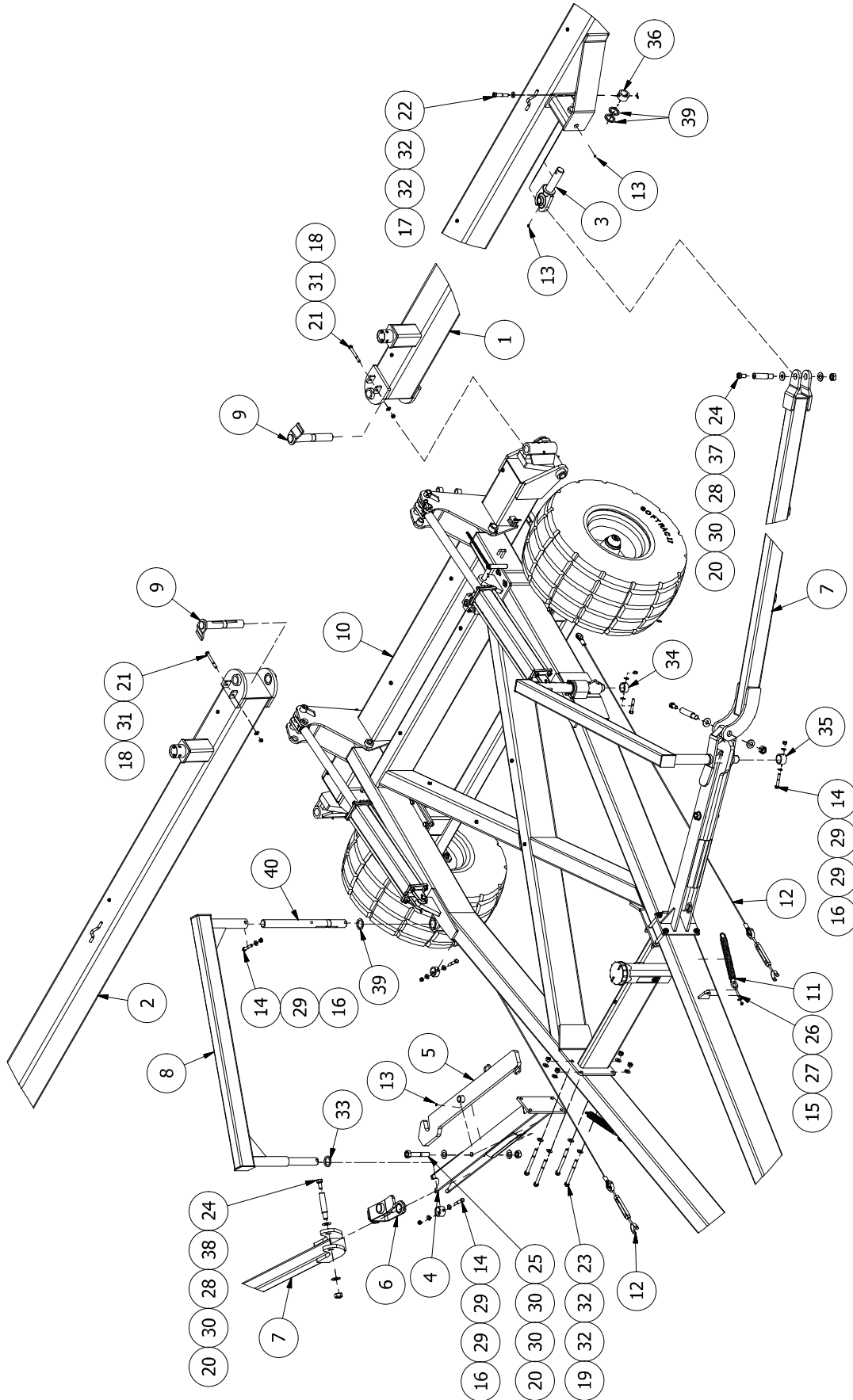
A-Frame Center Bar - 82 and 90



A-Frame - Center Bar - 82 and 90

Item	Part No.	Description	Qty
1	030-5987	Tie Rod Cylinder, 4" Bore x 24" Stroke, 2.0" Rod, 36" RL.....	
2	110-1254	Centre Bar Weldment (2-1/2" Dia Pin)	
3	112-0522	Hydraulic Lug Weldment	
4	113-0071	2-1/2" Dia Knuckle Weldment	
5	105-1328	Hyd. Valve Lock Pin Weldment.....	
6	123-3801	2-1/2" Dia Knuckle Pin Weldment.....	
7	409-9057	Hyd. Lock Pin Chain	
8	419-0004	Grease Zerk, 1/4"NF - Straight	
9	419-0006	1/4" Grease Zerk - 90° Elbow	
10	526-0510	5/16 x 1-1/4 Capscrew, NC, Gr.5, Pltd.	
11	526-0520	5/16 x 2-1/2 Capscrew, NC, Gr.5, Pltd.	
12	526-0840	1/2 x 5 Capscrew, NC, Gr.5, Pltd.	
13	526-0880	Bolt, 1/2-13 UNC - 10, Gr.5, Yellow Zinc Plated	
14	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated	
15	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated	
16	526-7105	Nut, Flange, 5/16-18 UNC, Gr.5, Pltd.	
17	530-0616	3/8 x 2 Capscrew, UNC, Gr.8, Pltd.	
18	530-0620	3/8 x 2-1/2 Capscrew, UNC, Gr.8, Pltd.	
19	550-5205	Washer, Flat, 5/16" - USS, Gr.5, Yellow Zinc Plated	
20	550-5206	Washer, Flat, 3/8" - USS, Gr.5, Yellow Zinc Plated	
21	550-5208	Washer, Flat, 1/2" - USS, Gr.5, Yellow Zinc Plated	
22	556-0906	3/16 x 1-3/4 Cotter Pin, Pltd.....	
23	558-2057	#9 Hitch Pin Clip, Pltd.	
24	710-5018	Reducing Valve With Reverse Flow Set @ 700Psi.....	
25	807-2804	1 x 8-5/8 Lift Cylinder Pin	
26	807-2809	1 x 3-3/8 Cylinder Pin, Pltd.	
27	807-3205	Centre Bar Pivot Pin.....	
28	815-7008	Backer Plate For Hydraulic Lock Lug Weldment	

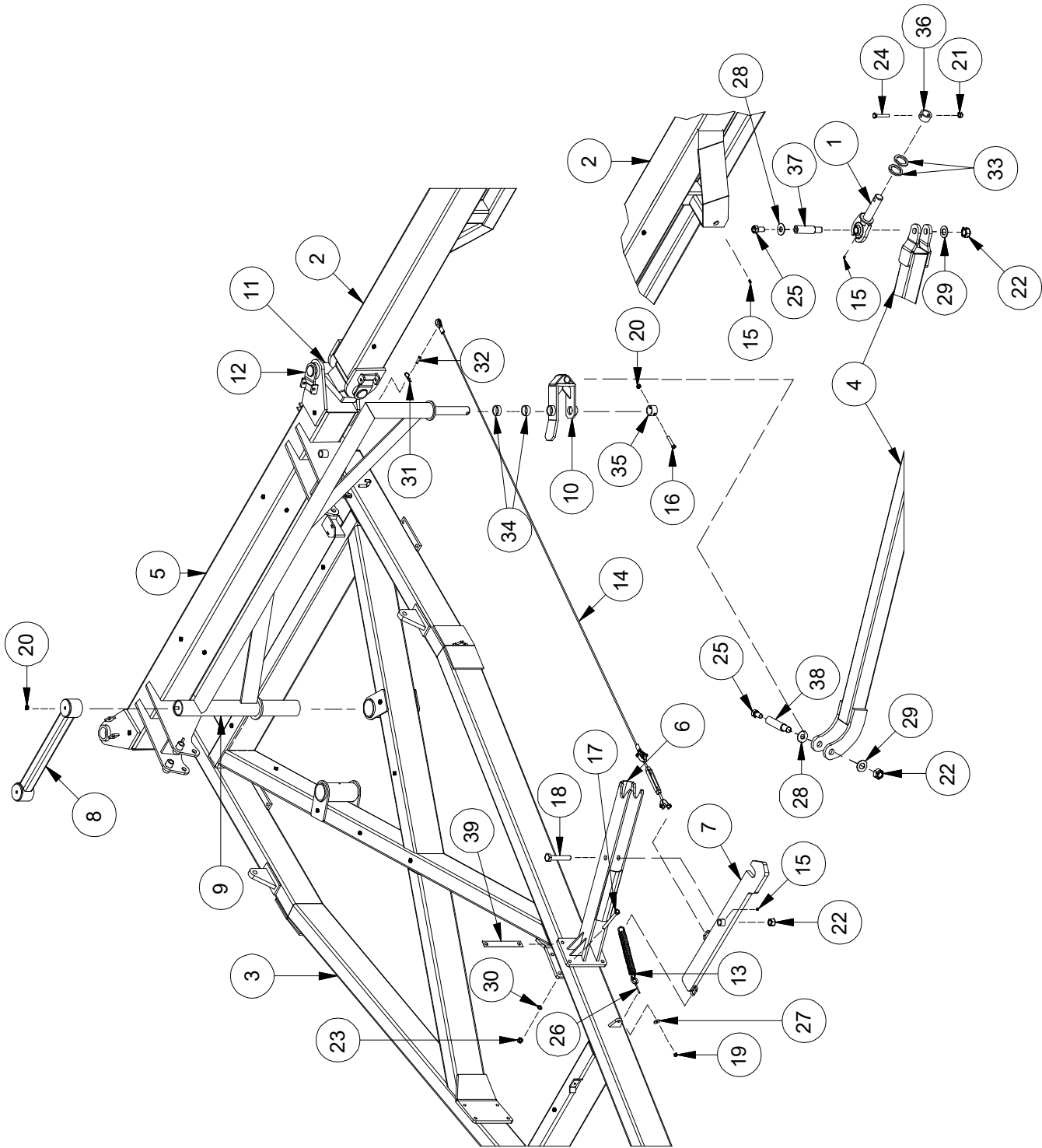
A-Frame Auto Fold - 55, 58, 68, 72, 78



A-Frame - Auto Fold - 55, 58, 68, 72, 78

Item	Part No.	Description	Qty
1	105-1304	Wing - Left - 55' - Model 5-55	
	105-1306	Wing - Left - 68' - Model 5-68	
	105-1308	Wing - Left - 78' - Model 5-78	
	105-1206	Wing - Left - 58' - Model 7-58	
	105-1216	Wing - Left - 72' - Model 7-72	
2	105-1305	Wing - Right - 55' - Model 5-55	
	105-1307	Wing - Right - 68' - Model 5-68	
	105-1309	Wing - Right - 78' - Model 5-78	
	105-1207	Wing - Right - 58' - Model 7-58	
	105-1217	Wing - Right - 72' - Model 7-72	
3	105-1259	Draft Arm Pull Lug Pin, Extended (1-1/4")	
4	112-0115	Lock Box - 55' and 58' - Model 5-55 and 7-58	
	112-0324	Lock Box - 68', 72' and 78' - Model 5-68, 5-78 and 7-72	
5	112-0234	Lock Arm - 55' and 58' - Model 5-55 and 7-58	
	112-0323	Lock Arm - 68', 72' and 78' - Model 5-68, 5-78 and 7-72	
6	112-0507	Draft Arm Clevis Weldment, (1-5/16")	
7	112-0604	Draft Arm - 55' and 58' - Model 5-55 and 7-58	
	105-1151	Draft Arm - 68', 72' - Model 5-68 and 7-72	
	105-1152	Draft Arm - 78' - Model 5-78	
8	112-0606	Swing Arm Weldment - Bolt In Shaft	
9	123-3204	1-3/4 x 11-1/4 Knuckle Lock Pin	
10	105-1246	Centre Bar Weldment (Revised Angle)	
11	403-0267	1-1/2" x 12-1/2" Auto Fold Spring	
12	410-0321	1/4" x 97" Auto Fold Cable C/W 3/8" x 6" Turn Buckle	
13	419-0004	Grease Zerk, 1/4" NF - Straight	
14	526-0824	Bolt, 1/2-13 UNC - 3, Gr.5, Yellow Zinc Plated	
15	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated	
16	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated	
17	526-6106	Nut, Stover Lock, 5/8-11 UNC, Gr.5, Yellow Zinc Plated	
18	526-7308	1/2 Stover Lock Nut, NC, Gr.8, Pltd.	
19	526-7310	Nut, Stover Lock, 5/8-11 UNC, Gr.8, Yellow Zinc Plated	
20	526-7316	Nut, Stover Lock, 1-8 UNC, Gr.8, Yellow Zinc Plated	
21	530-0772	Bolt, 1/2-13 UNC - 4.5, Gr.8, Yellow Zinc Plated	
22	530-1000	Bolt, 5/8-11 UNC - 3.5, Gr.8, Yellow Zinc Plated	
23	530-1006	Bolt, 5/8-11 UNC - 6.5, Gr.8, Yellow Zinc Plated	
24	530-1246	Bolt, 3/4-10 UNC - 1.5, Gr.8, Yellow Zinc Plated	
25	530-1644	Bolt, 1-8 UNC - 5.5, Gr.8, Yellow Zinc Plated	
26	546-0199	3/8 x 4 Eye Bolt, NC, Gr.5, Pltd.	
27	550-5206	Washer, Flat, 3/8 - Regular - Type B, Gr.5, Yellow Zinc Plated	
28	550-5212	Washer, Flat, 3/4 - Regular - Type B, Gr.5, Yellow Zinc Plated	
29	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated	
30	550-5316	Washer, Flat, 1" - SAE, Gr.5, Yellow Zinc Plated	
31	550-5613	Washer, Flat, 1/2 SAE, Gr.8, Yellow Zinc Plated	
32	550-5617	Washer, Flat, 5/8 SAE, Gr.8, Yellow Zinc Plated	
33	554-5401	1-3/4 ID x 10 Ga. Machine Washer, Pltd.	
34	805-6018	2 1/4 OD x .240W CDSM - 1	
35	805-6021	2-1/4 OD x .240W CDSM - 1-3/8	
36	805-7608	2-1/2 OD x .365W CDSM - 1-3/8	
37	827-0077	Pin, 1-1/4" OD, CR 1045, 5", End Threaded 1" UNC	
38	827-0078	Pin, 1-1/4" OD, CR 1045, 6-1/8", End Threaded 1" UNC	
39	805-6005	Pull Lug Spacer, 1/4"	
40	807-3654	Swing Arm Shaft, Bolt In, 1045	

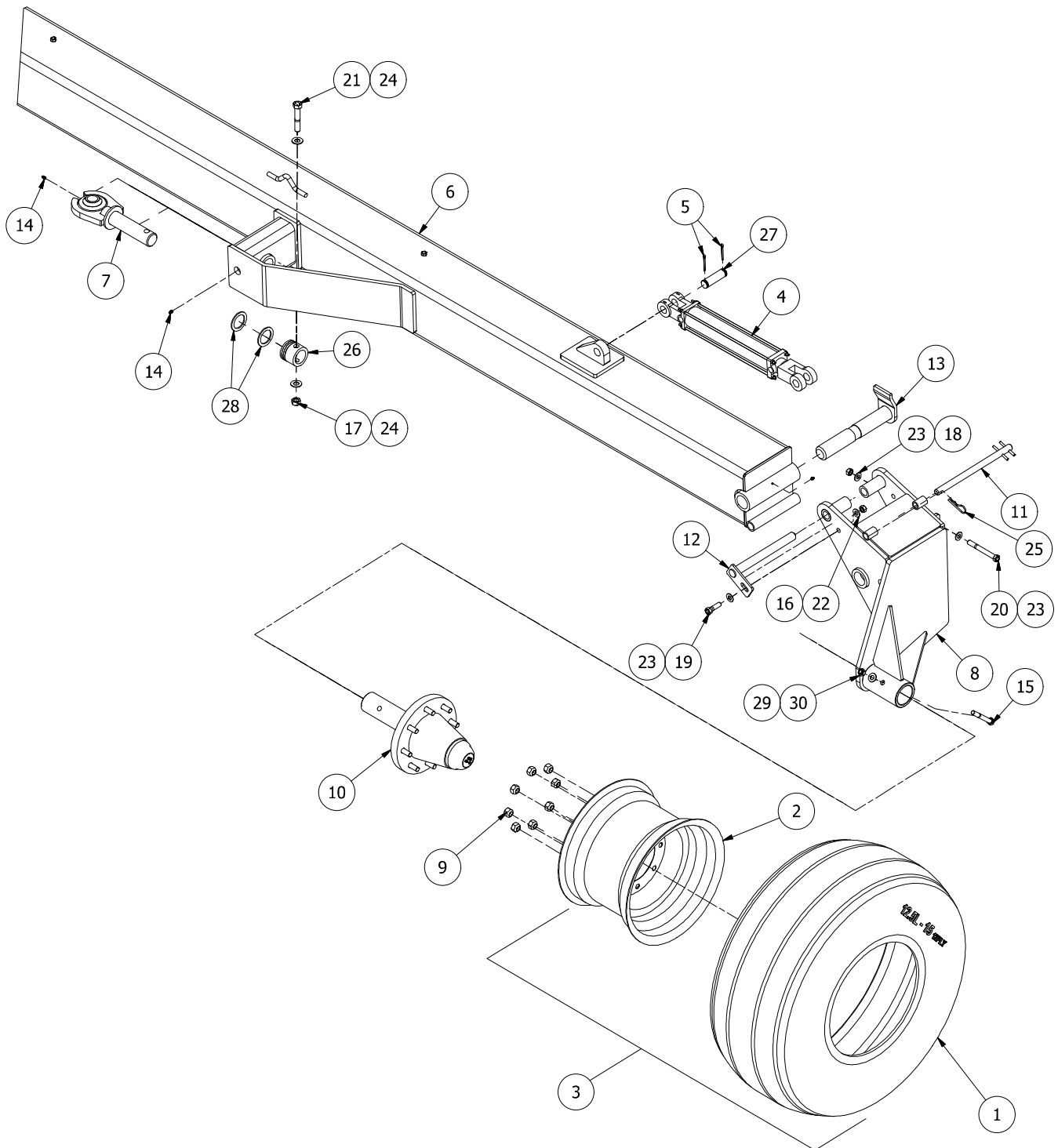
A-Frame Auto Fold - 82, 90



A-Frame - Auto Fold - 82, 90

Item	Part No.	Description	Qty
1	105-1259	Draft Arm Pull Lug Pin, Extended (1-1/4")	
2	105-1310	Left Wing - 90' - Model 5-90.....	
	105-1311	Right Wing - 90' - Model 5-90	
2A	105-1253	Left Wing - 82' - Model 7-82	
	105-1254	Right Wing - 82' - Model 7-82	
3	105-1330	A-Frame (X-Style)	
4	110-1249	Draft Arm (1-1/4" Dia.).....	
5	110-1254	Centre Bar (2-1/2" Dia. Pin)	
6	110-1291	Right Lock Arm	
	110-1292	Left Lock Arm	
7	112-0323	Lock Arm	
8	105-1326	Tie Bar - 90' - Model 5-90	
	112-0486	Tie Bar - 82' - Model 7-82	
9	112-0487	Swing Arm - 90'.....	
10	112-0504	Draft Arm Clevis Weldment (1-1/4" Dia Bolt)	
11	113-0071	2-1/2" Dia. Knuckle Weldment	
12	123-3801	2-1/2" Dia. Knuckle Pin Weldment	
13	403-0267	1-1/2" x 12-1/2" Auto Fold Spring.....	
14	410-0213	1/4 x 122" Cable C/W Turn Buckle & 2 Jaws	
15	416-0004	1/4 Grease Zerk, Straight.....	
16	526-0824	1/2 x 3 Capscrew, NC, Gr.5, Pltd.	
17	526-1052	5/8 x 6-1/2 Capscrew, NC, Gr.5, Pltd.	
18	526-1644	1 x 5-1/2 Capscrew, NC, Gr.5, Pltd.	
19	526-6103	3/8" Stover Lock Nut, NC, Gr.5, Pltd.	
20	526-6105	1/2" Stover Lock, NC, Gr.5, Pltd.	
21	526-6106	5/8" Stover Lock Nut, NC, Gr.5, Pltd.	
22	526-6109	1" Stover Lock Nut, NC, Gr.5, Pltd.	
23	526-6210	5/8" Hex Nut, NC, Gr.5, Pltd.	
24	530-1000	5/8 x 3 Capscrew, NC, Gr.8, Pltd.	
25	530-1246	Bolt, 3/4-10 Unc - 1.5, Gr.8, Yellow Zinc Plated.....	
26	546-0199	3/8" x 4 Eye Bolt, NC, Pltd.	
27	550-5206	3/8" Flat Washer, Pltd.....	
28	550-5212	3/4" Flat Washer, Pltd.....	
29	550-5316	Washer, Flat, 1" - SAE, Gr.5, Yellow Zinc Plated	
30	551-5010	5/8" Spring Lock Washer, Pltd.....	
31	558-2059	5/32" x 2-5/16" #7 Hitch Pin Clip, Pltd.	
32	560-0808	1/2" x 1-3/4" Clevis Pin (Jumbo)	
33	805-6005	Pull Lug Spacer, 1/4".....	
34	805-6014	2-1/4" x 3/4" Spacer	
35	805-6021	2-1/4" x 1-3/8" Swing Arm Offset Lock Collar	
36	805-7608	2-1/2" x 1-3/8" Collar.....	
37	827-0077	Pin, 1-1/4" OD x 5" Lg End Threaded 1"UNC.....	
38	827-0078	Pin, 1-1/4" OD x 6-1/8" Lg End Threaded 1"UNC.....	
39	835-2001	20 Ga. Sheet - 10-1/4" x 1-1/2" Shim	

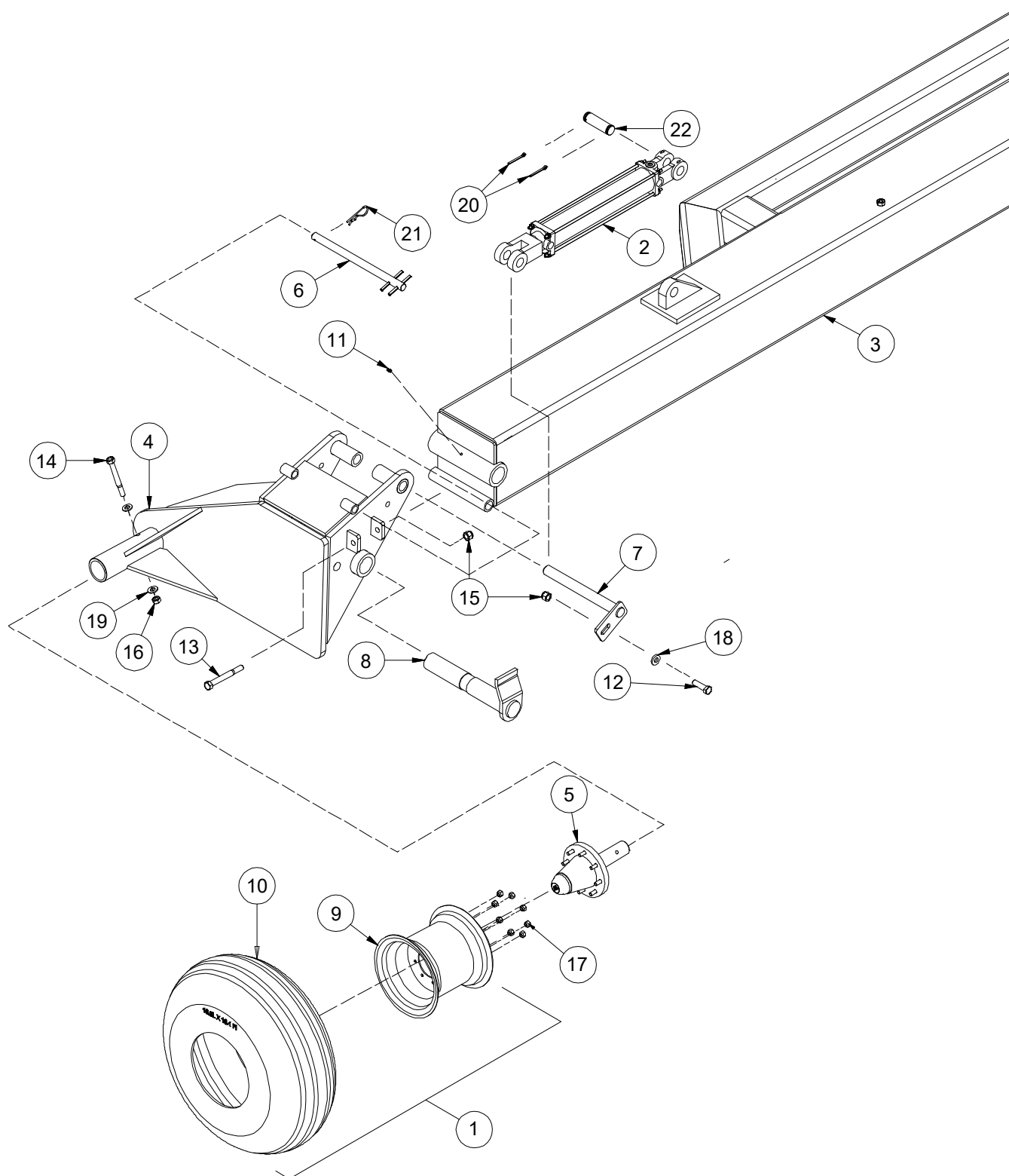
Wings Steering - 55, 58, 68, 72, 78



Wings - Steering - 55, 58, 68, 72, 78

Item	Part No.	Description	Qty
1	205-1193	12.5L x 15 Tire - 8 Ply Tire	
2	204-5586	Wheel Rim 15 x 10 - 8 Bolt.....	
3	020-0142	Tire and Wheel Assembly (Includes items 1 and 2)	
4	030-5979	2 x 12 Hydraulic Cylinder, 22.25" RI.....	
5	556-0906	3/16 x 1-3/4 Cotter Pin	
6	105-1304	Wing - Left - 55' - Model 5-55	
	105-1305	Wing - Right - 55' - Model 5-55	
6A	105-1306	Wing - Left - 68' - Model 5-68	
	105-1307	Wing - Right - 68' - Model 5-68	
6B	105-1308	Wing - Left - 78' - Model 5-78	
	105-1309	Wing - Right - 78' - Model 5-78	
6C	105-1206	Wing - Left - 58' - Model 7-58.....	
	105-1207	Wing - Right - 58' - Model 7-58	
6D	105-1216	Wing - Left - 72' - Model 7-72.....	
	105-1217	Wing - Right - 72' - Model 7-72	
7	105-1259	Draft Arm Pull Lug Pin, Extended (1-1/4")	
8	120-1238	Left Wing Axle Weldment.....	
	120-1239	Right Wing Axle Weldment.....	
9	543-5563	9/16 Wheel Nut, NF, Gr.5, Pltd.....	
10	120-1246	812 Hub & Spindle Assembly.....	
11	123-1807	3/4" x 11-1/2" Wheel Tee Lock Pin.....	
12	123-2222	Wing Axle Cylinder Lock Pin Wld.	
13	123-3204	1-3/4 x 11-1/4 Knuckle Lock Pin	
14	419-0004	Grease Zerk, 1/4"NF - Straight	
15	526-0932	Bolt, 9/16-12 UNC - 4, Gr.5, Yellow Zinc Plated	
16	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated	
17	526-6106	Nut, Stover Lock, 5/8-11 UNC, Gr.5, Yellow Zinc Plated	
18	526-7308	1/2 Stover Lock Nut, NC, Gr.8, Pltd.	
19	530-0742	Bolt, 1/2-13 UNC - 1.75, Gr.8, Yellow Zinc Plated	
20	530-0772	Bolt, 1/2-13 UNC - 4.5, Gr.8, Yellow Zinc Plated.....	
21	530-1000	Bolt, 5/8-11 UNC - 3.5, Gr.8, Yellow Zinc Plated	
22	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated	
23	550-5613	Washer, Flat, 1/2 SAE, Gr.8, Yellow Zinc Plated	
24	550-5617	Washer, Flat, 5/8 SAE, Gr.8, Yellow Zinc Plated	
25	558-2057	#9 Hitch Pin Clip, Pltd.	
26	805-7608	2-1/2 OD x .365W CDSM - 1-3/8.....	
27	807-2809	1 x 3-3/8 Cylinder Pin,	
28	839-1961	Pull Lug Spacer, 1/4".....	
29	550-5309	Washer, Flat, 9/16" - SAE, Gr.5, Yellow Zinc Plated	
30	526-6112	Nut, Stover Lock, 9/16-12 UNC, Gr.5, Yellow Zinc Plated	

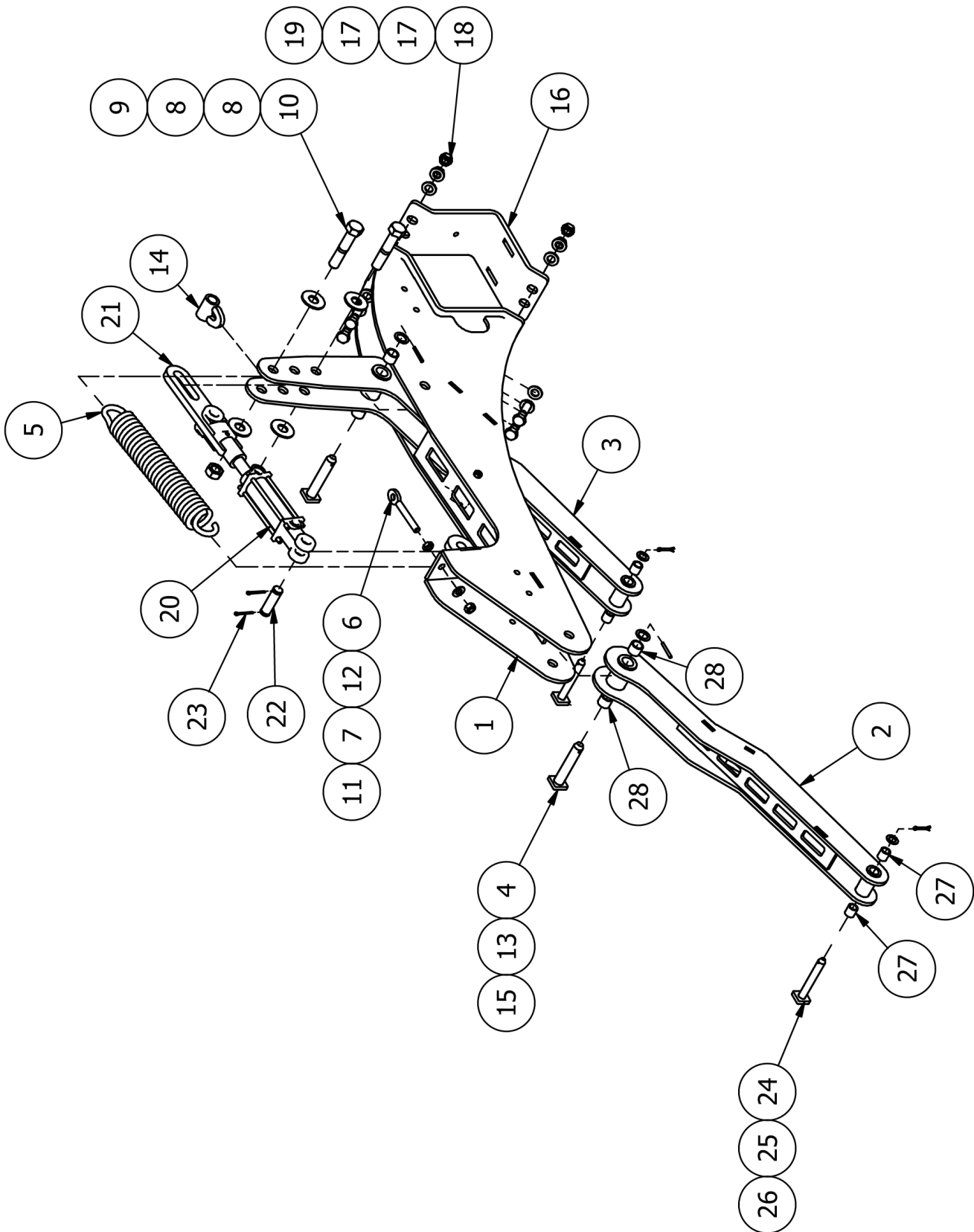
Wings Steering - 82, 90



Wings - Steering - 82, 90

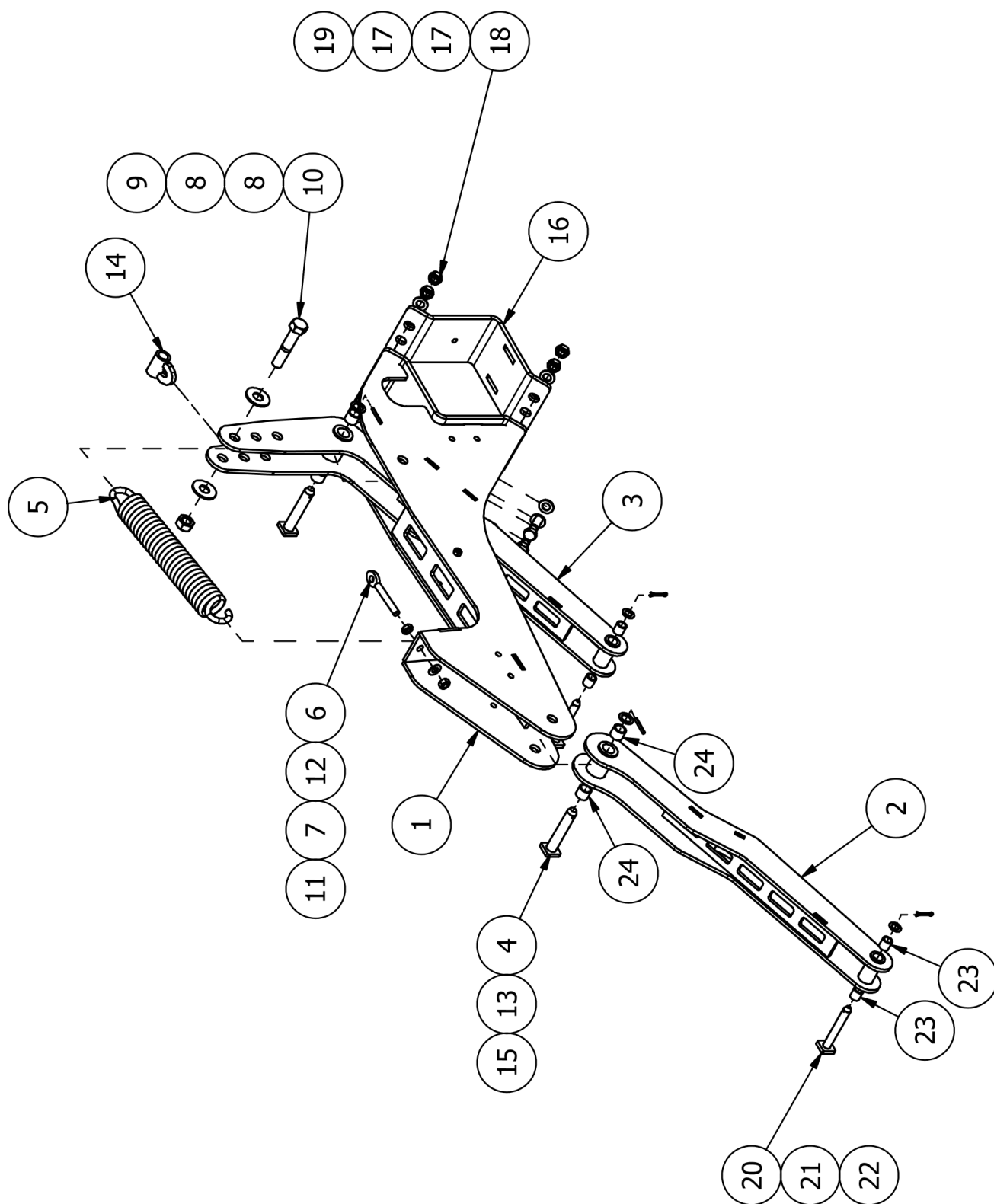
Item	Part No.	Description	Qty
1	020-0105	16.5 - 16.1 8 Bolt Tire and Wheel Assembly	
2	030-5978	2 x 12 Hydraulic Cylinder, 22.25" RL.....	
3	105-1310	Left Wing - 90' - Model 5-90.....	
	105-1311	Right Wing - 90' - Model 5-90	
3A	105-1253	Left Wing - 82' - Model 7-82	
	105-1254	Right Wing - 82' - Model 7-82	
4	113-0073	Wing Axle Spindle - Left.....	
	113-0084	Wing Axle Spindle - Right	
5	120-1246	812 Hub & Spindle Assembly	
6	123-1807	3/4" x 11-1/2" Wheel Tee Lock Pin.....	
7	123-2222	Wing Axle Cylinder Lock Pin Wld.	
8	123-3204	1-3/4 x 11-1/4 Knuckle Lock Pin	
9	204-5585	W14C x 16.1" - 8 Hole Wheel, 3/8" Offset	
10	205-1192	16.5 x 16.1 6 Ply Tire	
11	419-0004	Grease Zerk, 1/4"Nf - Straight	
12	526-0814	Bolt, 1/2-13 UNC - 1.75, Gr.8, Yellow Zinc Plated	
13	526-0836	Bolt, 1/2-13 UNC - 4.5, Gr.8, Yellow Zinc Plated.....	
14	526-0932	Bolt, 9/16-12 UNC - 4, Gr.5, Yellow Zinc Plated	
15	526-6105	Nut, Stover Lock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated	
16	526-6112	Nut, Stover Lock, 9/16-12 Unc, Gr.5, Yellow Zinc Plated	
17	543-5563	9/16 Wheel Nut, Nf, Gr.5, Pltd.	
18	550-5208	Washer, Flat, 1/2 SAE, Gr.8, Yellow Zinc Plated	
19	550-5309	Washer, Flat, 9/16" - SAE, Gr.5, Yellow Zinc Plated	
20	556-0906	3/16 x 1-3/4 Cotter Pin Pltd.....	
21	558-2057	#9 Hitch Pin Clip, Pltd.	
22	807-2809	1 x 3-3/8 Cylinder Pin, Pltd.	

Lift Arms Center



Lift Arms - Center			
Item	Part No.	Description	Qty
1	105-1344	Lift Arm, Profiled, Extended	
2	160-0728	Link, Idler W/ Bushings	
3	160-0729	Link, Driven W/ Bushings	
4	105-1343	Harrow Pin, Dia 1 x 4 5/8 Usable Lg	
5	403-0282	Extension Spring, .562 Dia x 3" x 19-12" Out to Out	
6	546-0219	Bolt, Spade, 5/8-11 NC, Gr. 5 - 4" Lg	
7	550-5310	Washer, Flat, 5/8" - SAE, Gr.5, Yellow Zinc Plated	
8	550-5216	Washer, Flat, 1" - USS, Gr.5, Yellow Zinc Plated	
9	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated	
10	526-1640	Bolt, 1-8 Unc - 5, Gr.5, Yellow Zinc Plated	
11	526-7310	Nut, Stover Lock, 5/8-11 UNC, Gr.8, Yellow Zinc Plated	
12	525-6110	Nut, Jam, Hex, Inch, Grade 5, Yellow Zinc Plated	
13	554-5405	Machinery Bushing, 1 ID x 14 Ga, Pltd.	
14	105-1164	Lug, Ext Spring Kit	
15	556-1621	1/4 x 2 Roll Pin, Pltd.....	
16	839-2099	Lift Arm V Clamp	
17	550-5312	Washer, Flat, 3/4" - SAE, Gr.5, Yellow Zinc Plated	
18	526-6107	Nut, Stover Lock, 3/4-10 UNC, Gr.5, Yellow Zinc Plated	
19	526-1222	Bolt, 3/4-10 UNC - 2.75, Gr.5, Yellow Zinc Plated.....	
20	030-5904	2 x 4 Cyl - 112 Body	
21	105-1250	Helper Cylinder Clevis Weldment.....	
22	807-2809	1 x 3-3/8 Cylinder Pin, Pltd.	
23	556-0906	3/16 x 1-3/4 Cotter Pin Pltd.....	
24	105-1163	Harrow Pin, Dia 3/4 x 4 3/4 Usable Lg	
25	554-5414	Machinery Bushing, 3/4 ID x 14 Ga, Pltd.	
26	556-0612	Cotter Pin, 3/16 x 1 1/2, Zinc Plated.....	
27	610-0021	Bushing, 0.75 x 1 x 1	
28	610-0014	Bushing, 1 x 1.26 x 1	

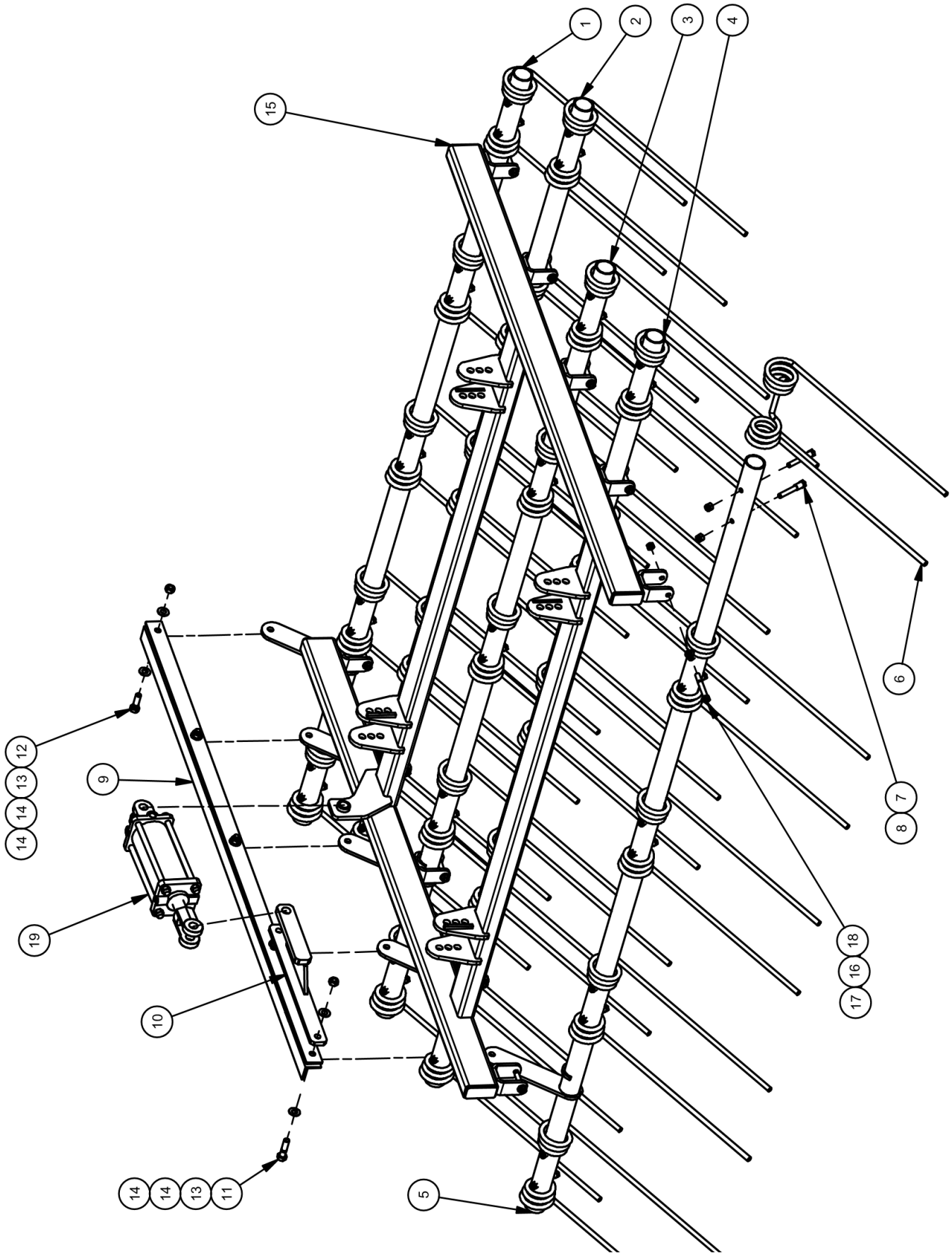
Lift Arms Wings



Lift Arms - Wings

Item	Part No.	Description	Qty
1	105-1342	Lift Arm, Profiled	
2	160-0728	Link, Idler W/ Bushings	
3	160-0729	Link, Driven W/ Bushings	
4	105-1343	Harrow Pin, Dia 1 x 4 5/8 Usable Lg	
5	403-0282	Extension Spring, .562 Dia x 3" x 19-12" Out to Out	
6	546-0219	Bolt, Spade, 5/8-11 NC, Gr. 5 - 4" Lg	
7	550-5310	Washer, Flat, 5/8" - SAE, Gr.5, Yellow Zinc Plated	
8	550-5216	Washer, Flat, 1" - USS, Gr.5, Yellow Zinc Plated	
9	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated	
10	526-1640	Bolt, 1-8 UNC - 5, Gr.5, Yellow Zinc Plated	
11	526-7310	Nut, Stover Lock, 5/8-11 UNC, Gr.8, Yellow Zinc Plated	
12	525-6110	Nut, Jam, 5/8-11 UNC, Gr.5, Yellow Zinc Plated	
13	554-5405	Machinery Bushing, 1 ID x 14 Ga, Pltd.	
14	105-1164	Lug, Ext Spring Kit	
15	556-1621	1/4 x 2 Roll Pin, Pltd.	
16	839-2099	Lift Arm V Clamp	
17	550-5312	Washer, Flat, 3/4" - SAE, Gr.5, Yellow Zinc Plated	
18	526-6107	Nut, Stover Lock, 3/4-10 UNC, Gr.5, Yellow Zinc Plated	
19	526-1222	Bolt, 3/4-10 UNC - 2.75, Gr.5, Yellow Zinc Plated	
20	105-1163	Harrow Pin, Dia 3/4 x 4 3/4 Usable Lg	
21	554-5414	Machinery Bushing, 3/4 ID x 14 Ga, Pltd.	
22	556-0612	Cotter Pin, 3/16 x 1 1/2, Zinc Plated	
23	610-0021	Bushing, 0.75 x 1 x 1	
24	610-0014	Bushing, 1 x 1.26 x 1	

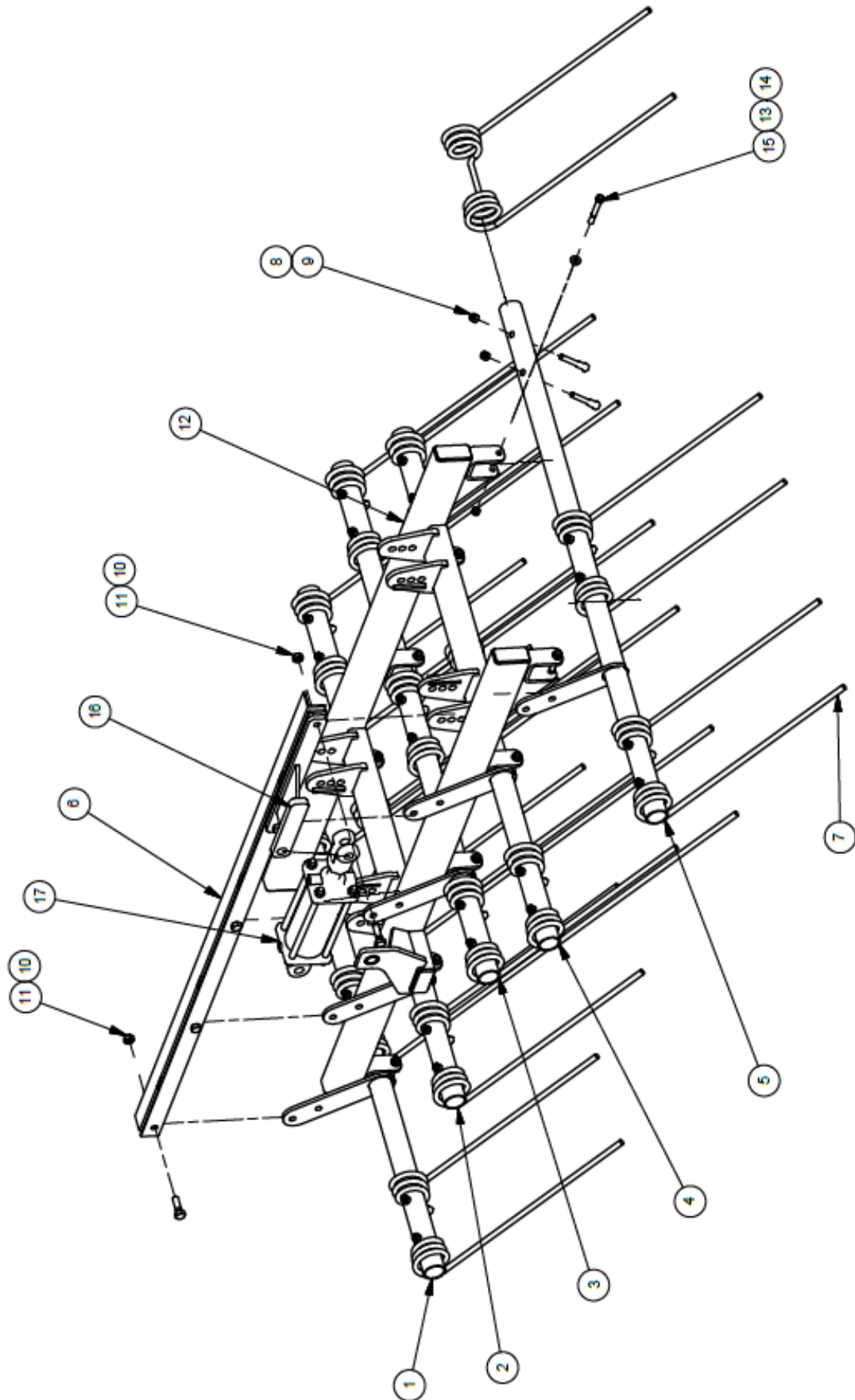
Harrow Sections 5 Bar - 11 ft Section



Harrow Sections - 5 Bar - 11 ft Section

Item	Part No.	Description
	160-0584	Harrow Section, 5-Bar, 11'
1	105-1333	5 Bar, Pipe 1, 11' Universal Pipe
2	105-1334	5 Bar, Pipe 2, 11' Universal Pipe
3	105-1335	5 Bar, Pipe 3, 11' Universal Pipe
4	105-1336	5 Bar, Pipe 4, 11' Universal Pipe
5	105-1337	5 Bar, Pipe 5, 11' Universal Pipe
6	404-0035	9/16" x 28" Harrow Tine, W/ Wear Guard
7	545-0015	1/2 x 3-3/4 High Head Harrow Bolt
8	526-6208	Nut, Nylock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
9	116-8002R1	Harrow Adjusting Linkage
10	112-0132	11' Tine Adjustment Weldment
11	530-1018	Bolt, 5/8-11 UNC - 2.5, Gr.8, Yellow Zinc Plated
12	530-1002	Bolt, 5/8-11 UNC - 2, Gr.8, Yellow Zinc Plated
13	526-7310	Nut, Stover Lock, 5/8-11 UNC, Gr.8, Yellow Zinc Plated
14	550-5617	Washer, Flat, 5/8 SAE, Gr.8, Yellow Zinc Plated
15	105-1072	5 Bar 11' Jumbo Harrow Frame Welded
16	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated
17	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
18	530-0754	Bolt, 1/2-13 UNC - 4, Gr.8, Yellow Zinc Plated
19	Varies	Rephasing Cylinder - See "Hydraulic Schematics" Pages 8-30-8-37

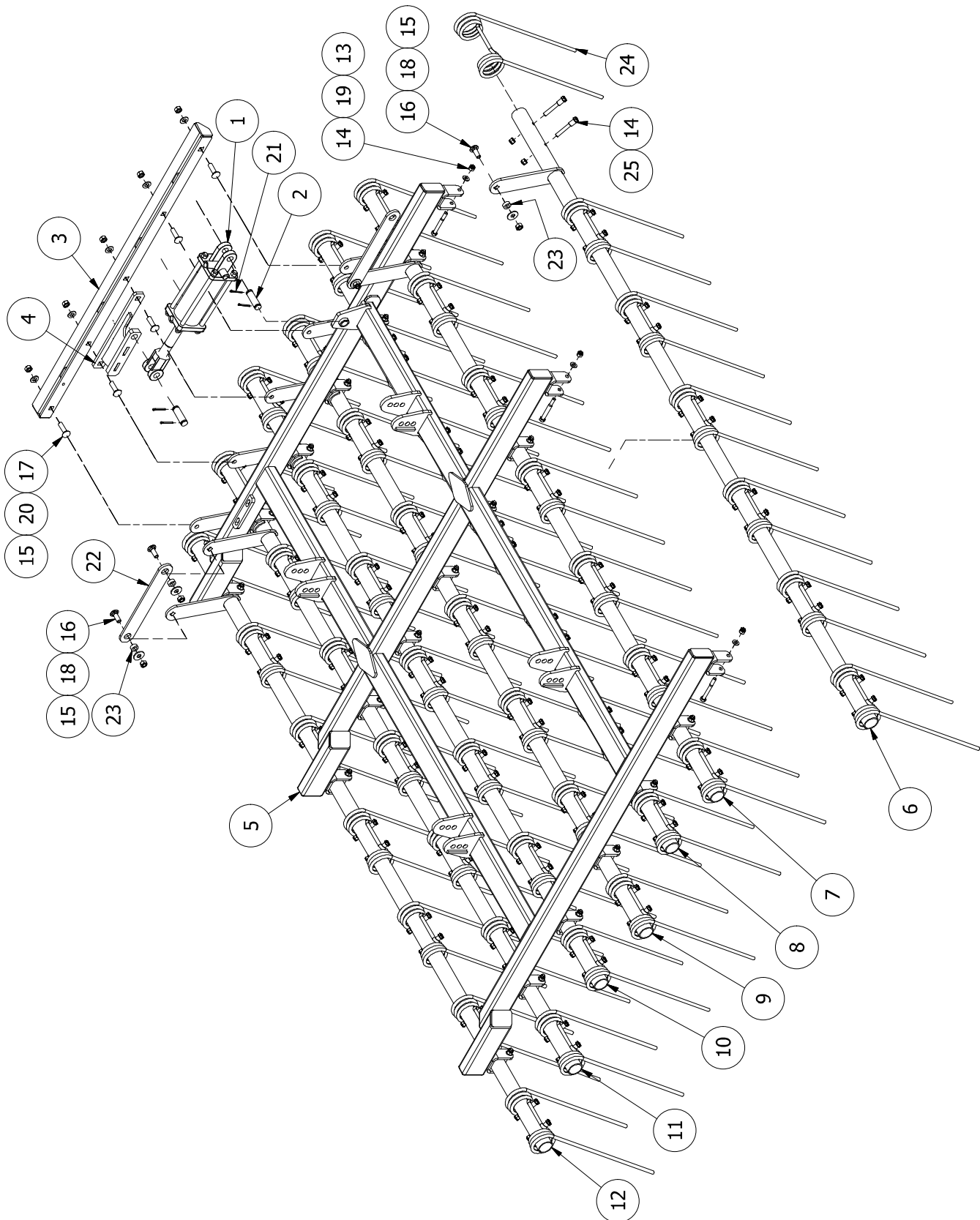
Harrow Sections 5 Bar - 6 1/2 ft Section



Harrow Sections - 5 Bar - 6 1/2 ft Section

Item	Part No.	Description
	160-0585	Harrow Section, 5-Bar, 6-1/2'
1	105-1260	5 Bar, Pipe 1, 6-1/2'
2	105-1261	5 Bar, Pipe 2, 6-1/2'
3	105-1262	5 Bar, Pipe 3, 6-1/2'
4	105-1331	5 Bar, Pipe 4, 6-1/2'
5	105-1332	5 Bar, Pipe 5, 6-1/2'
6	116-8002R1	Harrow Adjusting Linkage
7	404-0035	9/16" x 28" Harrow Tine, W/ Wear Guard
8	545-0015	1/2 x 3-3/4 High Head Harrow Bolt
9	526-7008	Nut, Nylock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
10	526-1016	Bolt, 5/8-11 UNC - 2, Gr.5, Yellow Zinc Plated
11	526-6106	Nut, Stover Lock, 5/8-11 UNC, Gr.5, Yellow Zinc Plated
12	105-1073	6-1/2' Jumbo Harrow Frame Welded
13	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated
14	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
15	530-0754	Bolt, 1/2-13 UNC - 4, Gr.8, Yellow Zinc Plated
16	112-0132	11' Tine Adjustment Weldment
17	Varies	Rephasing Cylinder - See "Hydraulic Schematics" Pages 8-30-8-37

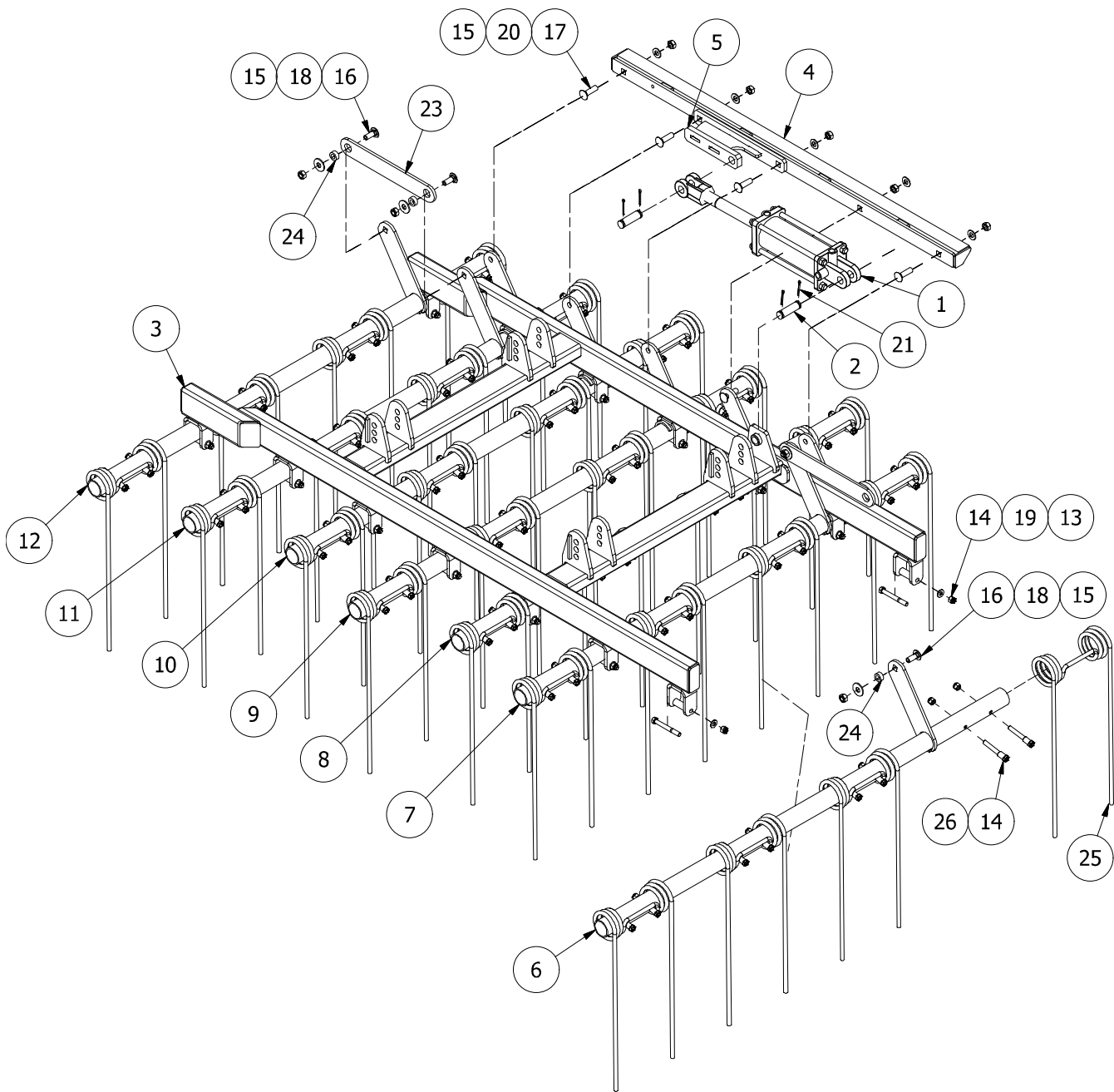
Harrow Sections 7 Bar - 11 1/2 ft Section



Harrow Sections - 7 Bar - 11 1/2 ft Section

Item	Part No.	Description
	160-0646	Harrow Section, 7-Bar, 11-1/2'
1	Varies	Cylinder, Rephasing - See Cylinders Section
2	560-1614	1" x 3-1/2" Cylinder Pin
3	105-1167	Linkage, Harrow Tine Angle Adj.
4	105-1168	Lug, Harrow Tine Angle Adj.
5	105-1181	Harrow Section, Frame, 7-Bar, 11-1/2'
6	105-1184	Tine Bar, 7-Bar, 11-1/2', A, 13-1/4" (Square Hole)
7	105-1185	Tine Bar, 7-Bar, 11-1/2', B, 14-11/16" (2 Lugs)
8	105-1186	Tine Bar, 7-Bar, 11-1/2', C, 17-9/16"
9	105-1187	Tine Bar, 7-Bar, 11-1/2', D, 13-1/4" (Round Hole)
10	105-1188	Tine Bar, 7-Bar, 11-1/2', E, 16-1/8"
11	105-1189	Tine Bar, 7-Bar, 11-1/2', F, 11-13/16" (2 Lugs)
12	105-1190	Tine Bar, 7-Bar, 11-1/2', G, 13-13/16"
13	526-0833	Bolt, 1/2-13 Unc - 4.25, Gr.5, Yellow Zinc Plated
14	526-7008	Nut, Nylock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated
15	526-7310	Nut, Stover Lock, 5/8-11 Unc, Gr.8, Yellow Zinc Plated
16	542-1014	Carriage Bolt, 5/8-11 Unc - 1.75, Gr.5, Yellow Zinc Plated
17	542-1018	Carriage Bolt, 5/8-11 Unc - 2.25, Gr.5, Yellow Zinc Plated
18	550-5210	Washer, Inch, Yellow Zinc Plated
19	550-5308	Washer, Flat, 1/2" - Sae, Gr.5, Yellow Zinc Plated
20	550-5617	Washer, Flat, 5/8 Sae, Gr.8, Yellow Zinc Plated
21	556-0906	3/16 x 1-3/4 Cotter Pin Pltd
22	839-1866	Link Plate, Tine Angle Adj.
23	839-1932	Bushing Profile, Tine Angle Linkage
24*	404-0040	Harrow Tine, 1/2" T x 10 1/6" W x 24" H
24*	404-0039	Harrow Tine, 1/2" T x 10 1/6" W x 24" H, W/ Wear Guard
25	545-0015	1/2 x 3-3/4 High Head Harrow Bolt

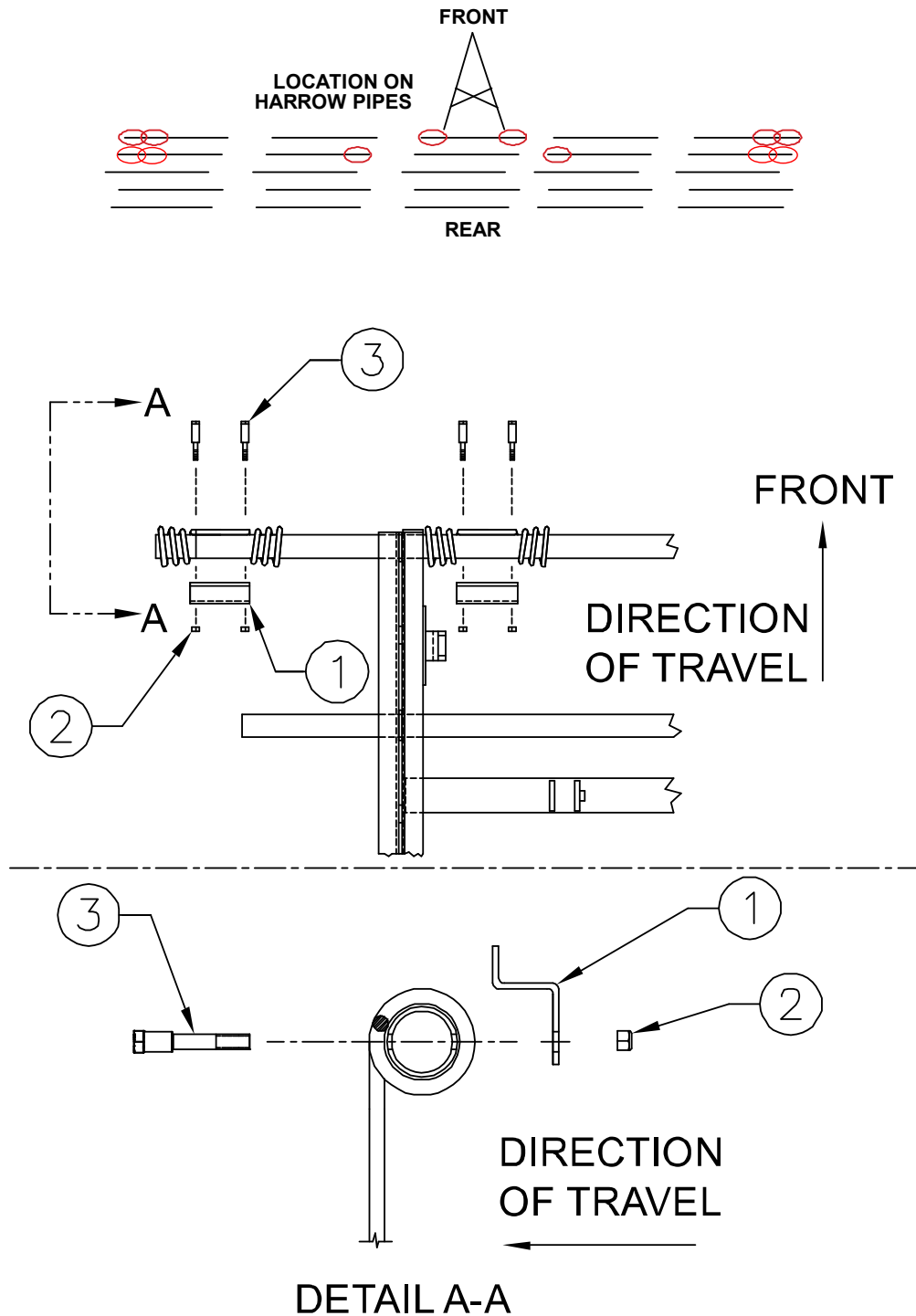
Harrow Sections 7 Bar - 6 1/2 ft Section



Harrow Sections - 7 Bar - 6 1/2 ft Section

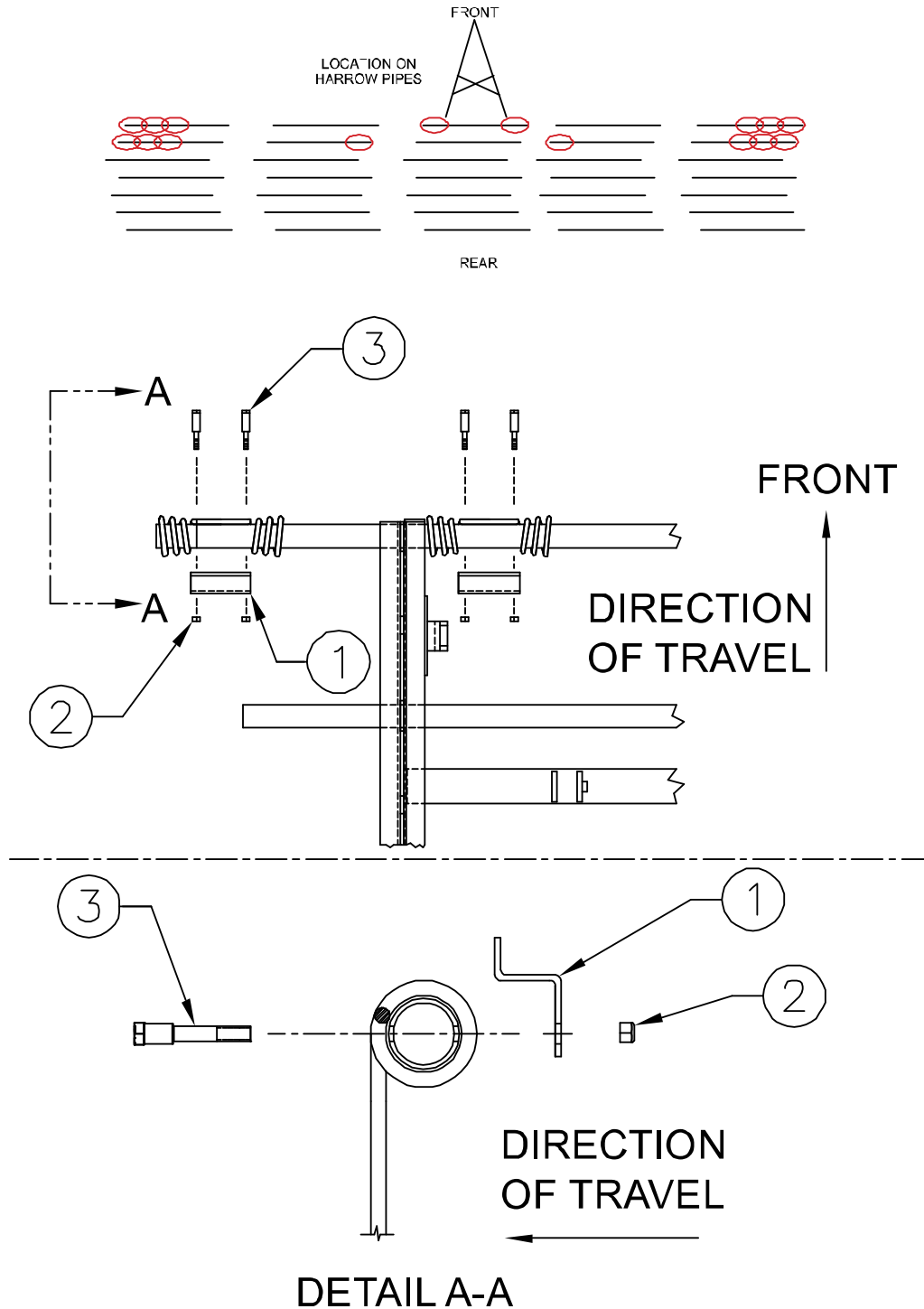
Item	Part No.	Description
	160-0637	Harrow Section, 7-Bar, 6 1/2'
1	Varies	Cylinder, Rephasing - See Cylinders Section
2	560-1614	1" x 3-1/2" Cylinder Pin
3	105-1166	Harrow Section, Frame, 7-Bar, 6-1/2'
4	105-1167	Linkage, Harrow Tine Angle Adj.
5	105-1168	Lug, Harrow Tine Angle Adj.
6	105-1171	Tine Bar, 7-Bar, 6-1/2'; A, 13-1/4" (Square Hole)
7	105-1172	Tine Bar, 7-Bar, 6-1/2'; B, 14-11/16" (2 Lugs)
8	105-1173	Tine Bar, 7-Bar, 6-1/2'; C, 17-9/16"
9	105-1174	Tine Bar, 7-Bar, 6-1/2'; D, 13-1/4" (Round Hole)
10	105-1175	Tine Bar, 7-Bar, 6-1/2'; E, 16-1/8"
11	105-1176	Tine Bar, 7-Bar, 6-1/2'; F, 11-13/16" (2 Lugs)
12	105-1177	Tine Bar, 7-Bar, 6-1/2'; G, 13-13/16"
13	526-0833	Bolt, 1/2-13 Unc - 4.25, Gr.5, Yellow Zinc Plated
14	526-7008	Nut, Nylock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated
15	526-7310	Nut, Stover Lock, 5/8-11 Unc, Gr.8, Yellow Zinc Plated
16	542-1013	Carriage Bolt, 5/8-11 Unc - 1.75, Gr.5, Yellow Zinc Plated
17	542-1018	Carriage Bolt, 5/8-11 Unc - 2.25, Gr.5, Yellow Zinc Plated
18	550-5210	Washer, Inch, Yellow Zinc Plated
19	550-5308	Washer, Flat, 1/2" - Sae, Gr.5, Yellow Zinc Plated
20	550-5310	Washer, Flat, 5/8" - Sae, Gr.5, Yellow Zinc Plated
22	825-0303	Harrow Frame C-Bracket Bushing
23	839-1866	Link Plate, Tine Angle Adj.
24	839-1932	Bushing Profile, Tine Angle Linkage
25*	404-0040	Harrow Tine, 1/2" T x 10 1/6" W x 24" H
25*	404-0039	Harrow Tine, 1/2" T x 10 1/6" W x 24" H, W/ Wear Guard
26	545-0015	1/2 x 3-3/4 High Head Harrow Bolt

Harrow Sections 5 Bar - Tine Retainers



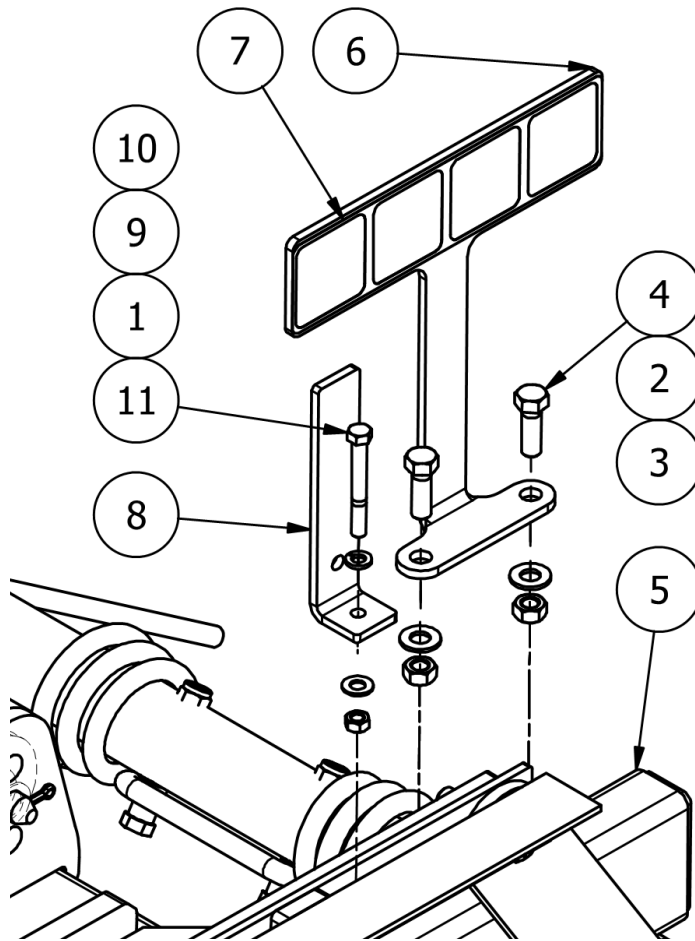
Item	Part No.	Description
1*	112-0595	Universal Tine Retainer Clip Weldment
1*	839-1832	Tine Retainer, 5 Bar
2	526-6105	1/2" Stover Lock Nut, NC, Gr.5, Pltd.
3	545-0015	1/2" x 3-3/4" High Harrow Head Bolt, NC, Gr.5, Pltd.

Harrow Sections 7 Bar - Tine Retainers



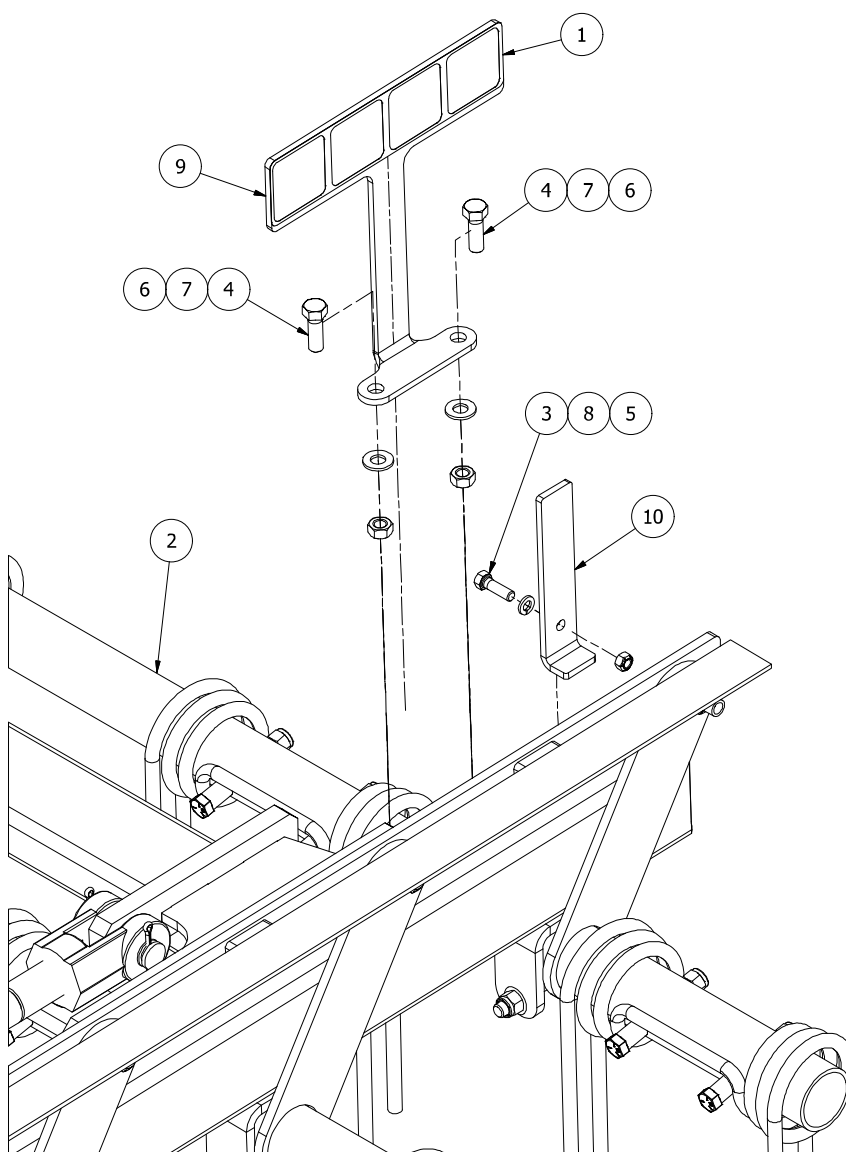
Item	Part No.	Description
1	839-1879	Tine Retainer, 7 Bar
2	526-6105	1/2" Stover Lock Nut, NC, Gr.5, Pltd.
3	545-0015	1/2" x 3-3/4" High Harrow Head Bolt, NC, Gr.5, Pltd.

Harrow Sections 5 Bar - Tine Angle Indicator



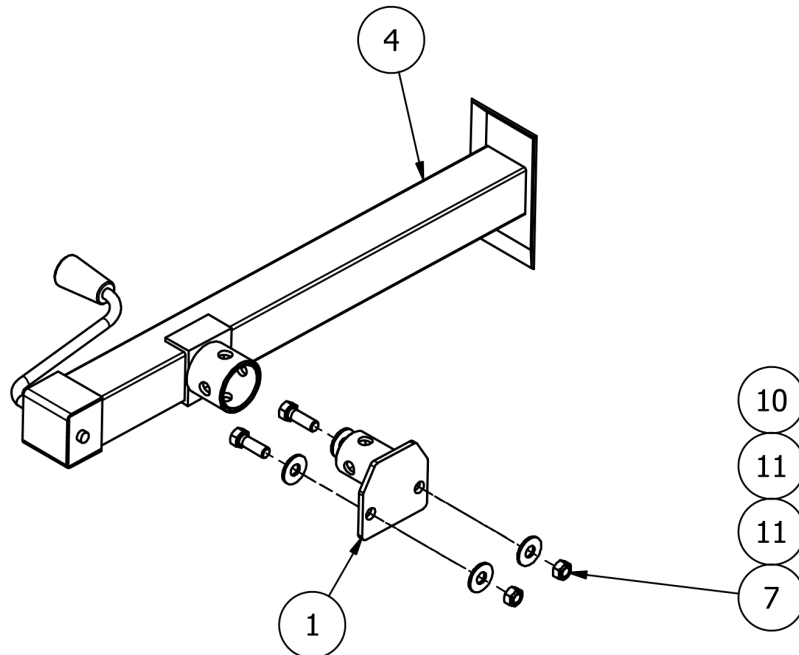
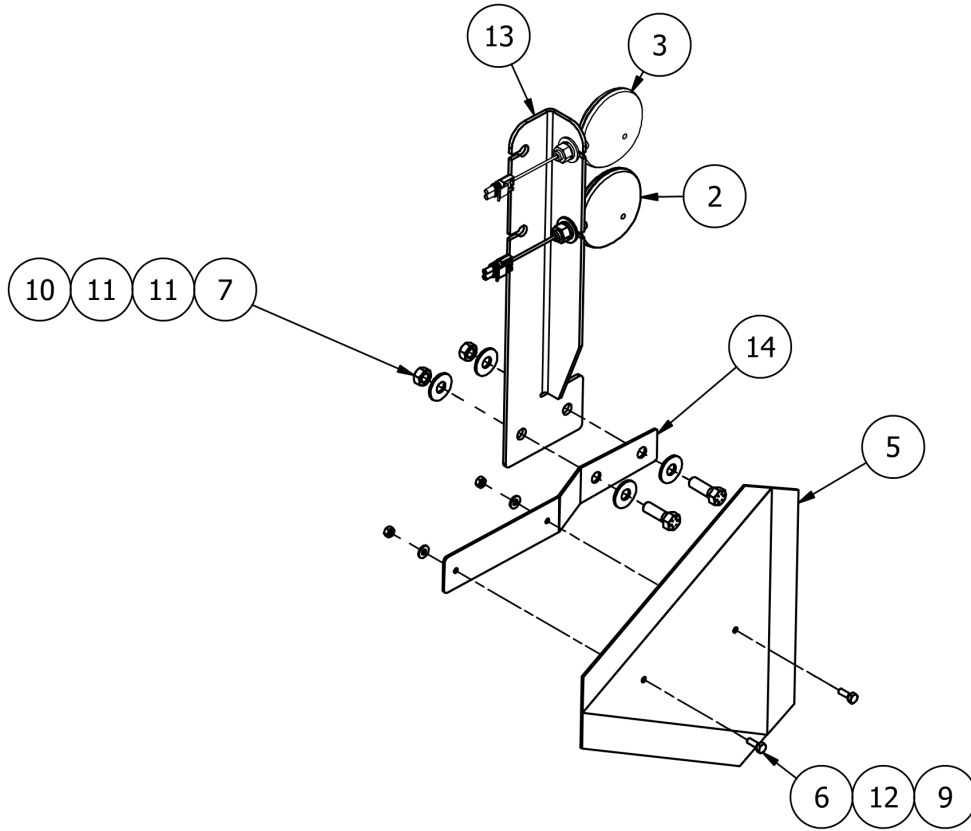
Item	Part No.	Description
1	526-6103	Nut, Stover Lock, 3/8-16 UNC, Gr.5, Yellow Zinc Plated
2	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
3	550-5308	Washer, Flat, 1/2" - SAE, Gr.5, Yellow Zinc Plated
4	526-0812	Bolt, 1/2-13 UNC - 1.5, Gr.5, Yellow Zinc Plated
5	VARIES	Outer Most 11' Harrow Section
6	839-1242	Tine Adj. Sign Background
7	060-0091	1234 Harrow Tine Decal
8	839-1881	Plate, Indicator, Tine Angle
9	551-5006	Washer, Spring, Inch, Yellow Zinc Plated
10	550-5306	Washer, Flat, 3/8" - SAE, Gr.5, Yellow Zinc Plated
11	526-0624	Bolt, 3/8-16 UNC - 3, Gr.5, Yellow Zinc Plated

Harrow Sections 7 Bar - Tine Angle Indicator



Item	Part No.	Description
1	060-0091	1234 Harrow Tine Decal
2	Varies	Harrow Section, 5-Bar
3	526-0610	Bolt, 3/8-16 Unc - 1.25, Gr.5, Yellow Zinc Plated
4	526-0812	Bolt, 1/2-13 Unc - 1.5, Gr.5, Yellow Zinc Plated
5	526-6103	Nut, Stover Lock, 3/8-16 Unc, Gr.5, Yellow Zinc Plated
6	526-6105	Nut, Stover Lock, 1/2-13 Unc, Gr.5, Yellow Zinc Plated
7	550-5308	Washer, Flat, 1/2" - Sae, Gr.5, Yellow Zinc Plated
8	551-5006	Washer, Spring, Inch, Yellow Zinc Plated
9	839-1242	Tine Adj. Sign Background
10	839-1881	Plate, Indicator, Tine Angle

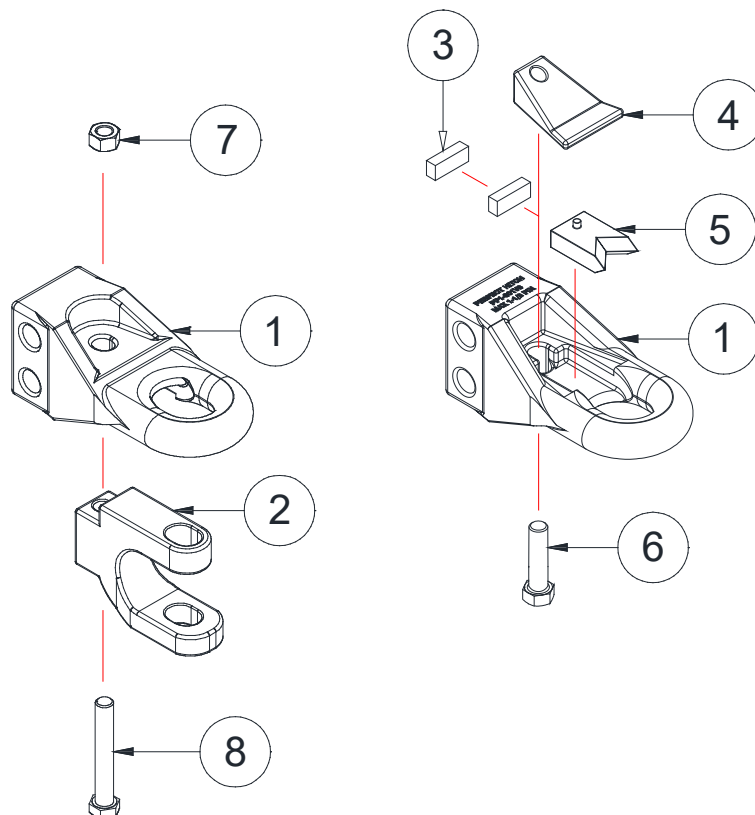
Harrow Sections Light Kit - Slow Moving Sign - Jack Storage Mount



Harrow Sections - Light Kit - SMV - Jack Storage Mount

Item	Part No.	Description
1	105-1345	Jack Mount Weldment, Profiled Lift Arm
2	417-0018	Amber Warning Light C/W Hardware
3	417-0019	Red Warning Light C/W Hardware
4	420-0168	5000Lb. 20" Square Sidewind Jack 20.1"RI
5	424-0001	Slow Moving Vehicle Sign (SMV)
6	526-0406	Bolt, 1/4-20 UNC - 0.75, Gr.5, Yellow Zinc Plated
7	526-6105	Nut, Stover Lock, 1/2-13 UNC, Gr.5, Yellow Zinc Plated
8	526-6109	Nut, Stover Lock, 1-8 UNC, Gr.5, Yellow Zinc Plated
9	526-6204	Nut, Hex, Inch, Grade 5, Yellow Zinc Plated
10	530-0740	Bolt, 1/2-13 UNC - 1.5, Gr.8, Yellow Zinc Plated
11	550-5208	Washer, Flat, 1/2" - USS, Gr.5, Yellow Zinc Plated
12	550-5304	Washer, Flat, 1/4" - SAE, Gr.5, Yellow Zinc Plated
13	839-2109	Universal, Light Bracket, Profiled Lift Arm
14	839-2110	Slow Moving Sign Spade, Profiled Lift Arm
	040-0029	Light Kit, 5-68 & 5-78 (Not Shown)
	040-0030	Light Kit, 5-55 (Not Shown)
	040-0040	Light Kit, 5-90 (Not Shown)

Perfect Hitch



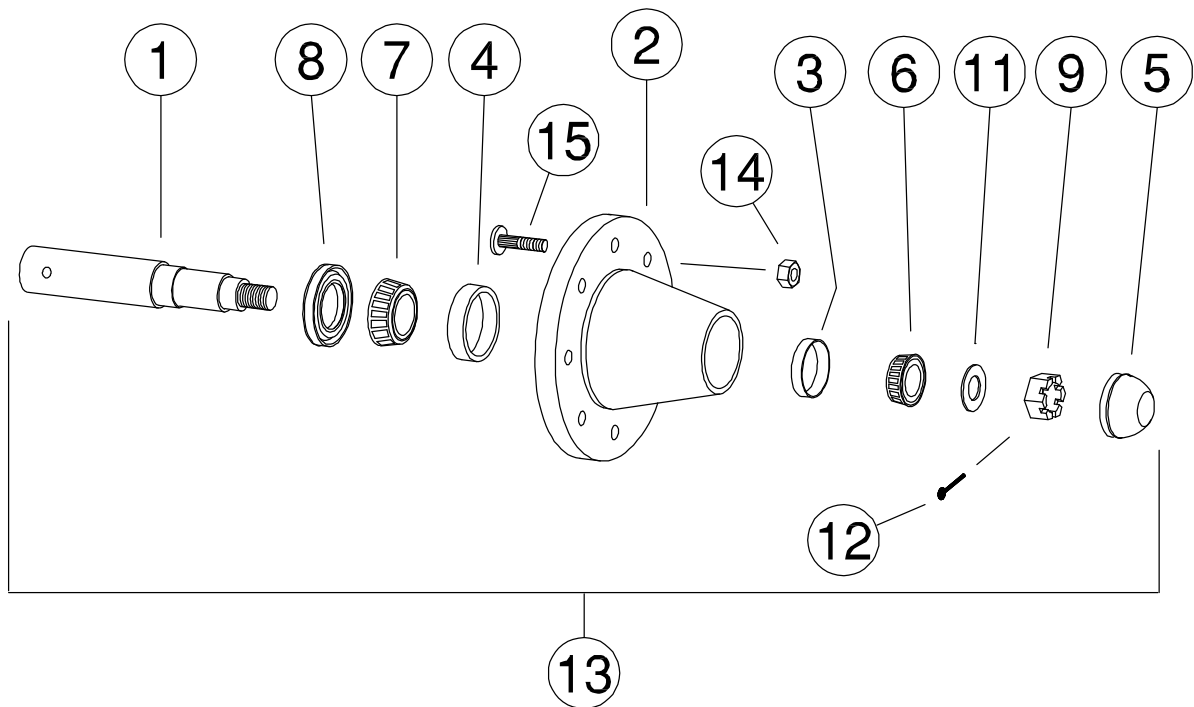
Item	Part No.	Description
1	423-0005	Base Hitch (PP1-301VH)
2	423-0006	Clevis (PP1-208VR-10)
3	423-0019	Neoprene Cushion (PP1-205H)
4	423-0017	Top Plate Perfect Hitch (PP1-302V)
5	423-0018	V-Block (PP1-203VR)
6	526-1224	3/4" x 3" Capscrew, NC, Gr.5, Pltd.
7	526-6107	3/4" Stover Lock Nut, NC, Gr.B, Pltd.
8	526-1241	3/4" x 5-1/2" Capscrew, NC, Gr.5, Pltd.

The sliding V-block has a polyurethane cushion which is made to flex. The cushion also acts as a shock absorber to reduce driveline stress, giving driveline components longer life. **Do not remove all the cushions! Install the perfect hitch components with bolt head on the bottom and the top plate on top.**

Always adjust the V-block to your tractor draw pin size by following these steps:

1. Remove top plate by unscrewing 3/4" bolt from bottom of Perfect Hitch and lifting top plate off.
2. The polyurethane cushion can be laid flat to achieve an extra 1/4" of adjustment.
3. If more closure is needed metal spacers (not supplied) can be placed behind the cushions to push the V-block forward and closer to the draw pin hole to tractor draw pin size.
4. Replace top plate and re-install 3/4" bolt tightly (Approx. 200 ft/lb).

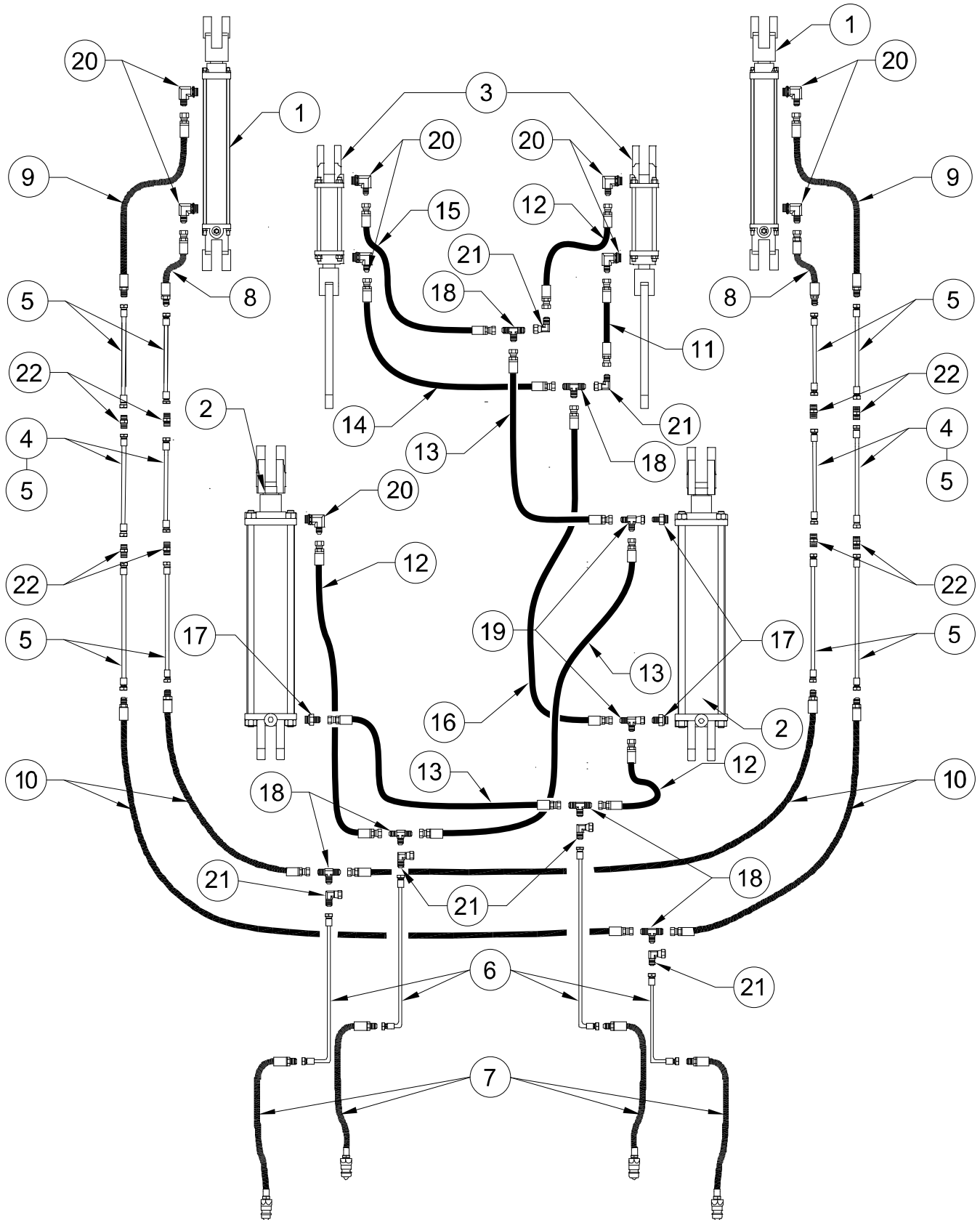
Hub and Spindle



Item	Part No.	Description
1	203-6044	812 Spindle, Dia 2-1/2" x 11-3/4" Long
2	200-6011	812 Hub (Complete)
3	201-6016	Outer Cup LM2720
4	201-6017	Inner Cup 3720
5	202-6013	DC 17 Dust Cap
6	290-6013	Outer Bearing, 2790
7	290-6014	Inner Bearing, 3780
8	295-6016	SE 17 Seal
9	534-7816	1" Castle Nut, NF, Gr.5, Black
11	554-5303	1" Spindle Washer, Black
12	556-0614	3/16" x 1-3/4" Cotter Pin, Pltd.
13	120-1246	812 Hub & Spindle Assembly
14	543-5563	9/16" Wheel Nut, UNF
15	543-5564	9/16" Wheel Stud

Hydraulics Schematics

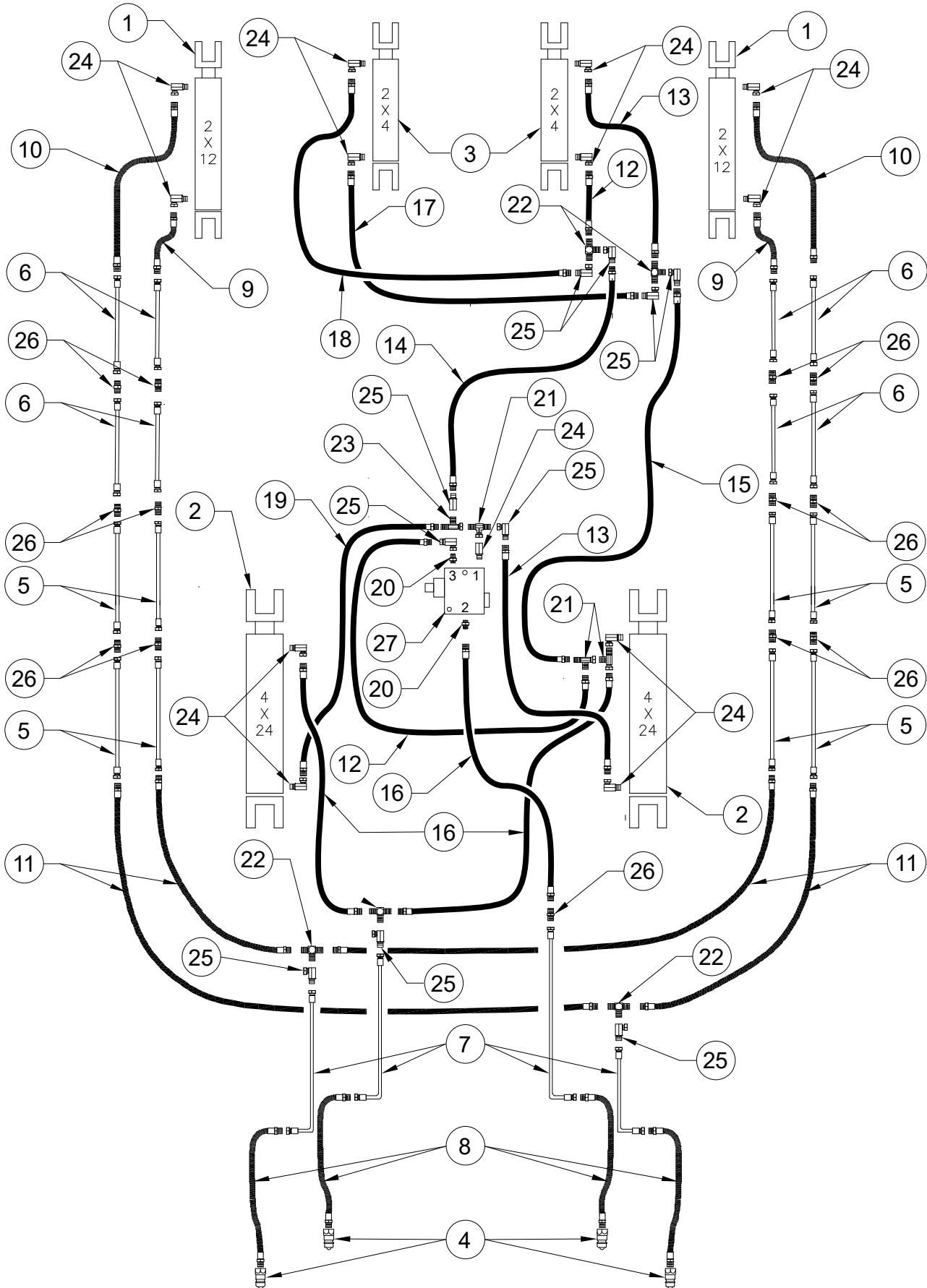
Hitch - 55, 58, 68, 72, 78



Hydraulics Schematics - Hitch - 55, 58, 68, 72, 78

Item	Part No.	Description
1	030-5979	2" x 12" Hydraulic Cylinder - ORB
2	030-5985	4" x 24" Hydraulic Cylinder, 1.50" Rod - ORB
	030-5987	4" x 24" Hydraulic Cylinder, 2.00" Rod - ORB - 72' model 7-72 only
3	030-5999	2" x 4" Hydraulic Cylinder - ORB
4	311-2083	3/8" Hydraulic Steel Lines - 83"
5	311-2132	3/8" Hydraulic Steel Lines - 132"
6	311-2157	3/8" Hydraulic Steel Lines - Bent- 157"
7	313-5096	3/8" JIC M x 1/2" NPT M Hydraulic Hose - 96"
8	313-7812	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 12"
9	313-7828	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 28"
10	313-7895	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 144"
11	313-7928	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 28"
12	313-7937	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 37"
13	313-7955	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 55"
14	313-7971	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 71"
15	313-7977	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 77"
16	313-7985	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 85"
17	316-0302	1/2" ORB M x 3/8" JIC Male - Adaptor
18	318-5704	Hydraulic Tee - 3/8" JIC M (x2 Run & Branch)
19	318-5710	Hydraulic Tee - 3/8" JIC M (x1 Run, Branch) x 3/8" JIC Sw F (x1 Run)
20	319-5710	1/2" ORB M x 3/8" JIC M - 90° Elbow
21	319-5714	3/8" JIC M x 3/8" JIC Sw F - 90° Elbow
22	324-0031	3/8" JIC Nipple

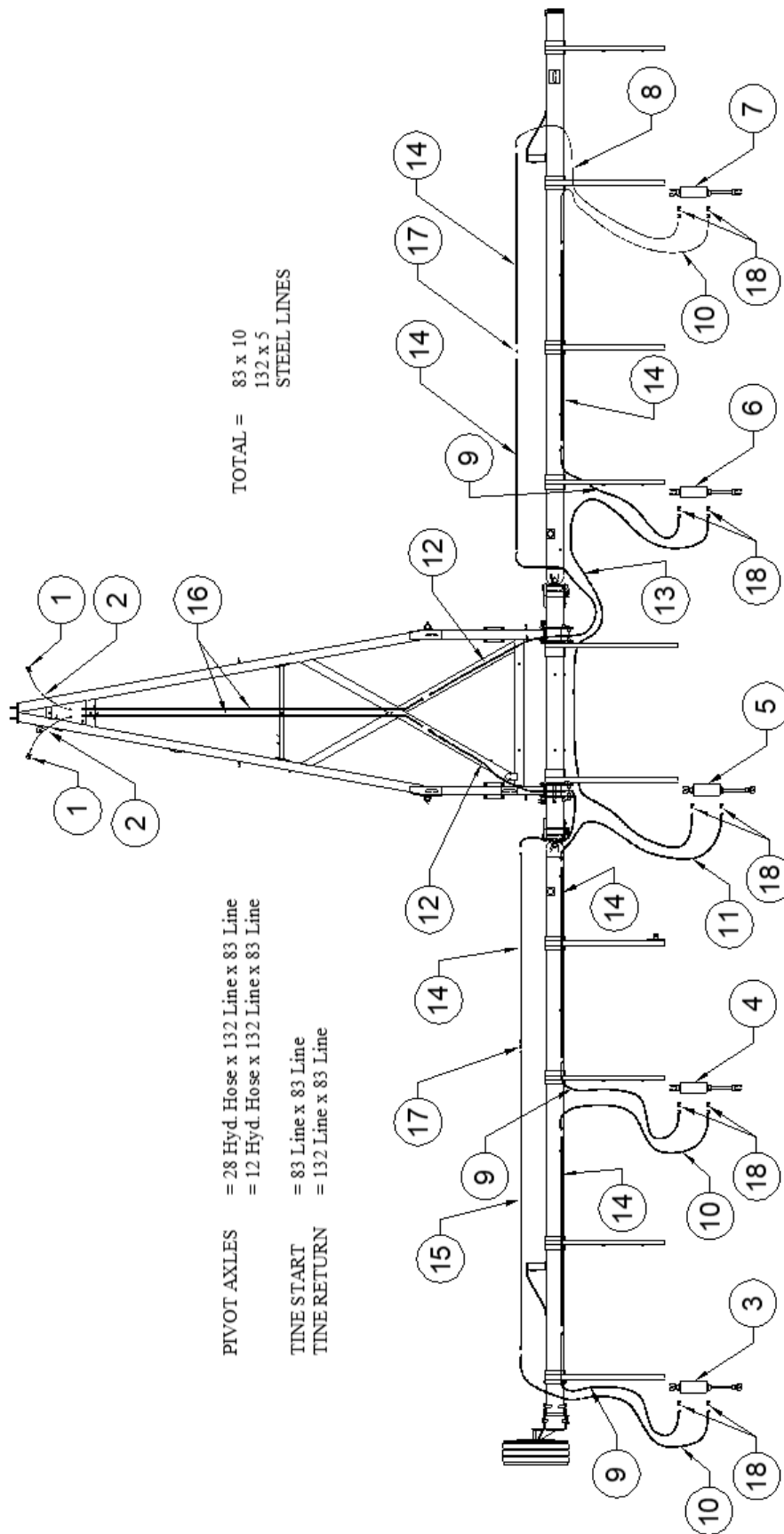
Hydraulics Schematics Hitch - 82, 90



Hydraulics Schematics - Hitch - 82, 90

Item	Part No.	Description
1	030-5979	2" x 12" Hydraulic Cylinder - ORB
2	030-5987	4" x 24" Hydraulic Cylinder, 2.00" Rod - ORB
3	030-5999	2" x 4" Hydraulic Cylinder - ORB
4	308-0001	Pioneer Coupling
5	311-2083	3/8" Hydraulic Steel Lines - 83"
6	311-2132	3/8" Hydraulic Steel Lines - 132"
7	311-2157	3/8" Hydraulic Steel Lines - Bent - 157"
8	313-5096	3/8" JIC M x 1/2" NPT M Hydraulic Hose - 96"
9	313-7812	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 12"
10	313-7828	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 28"
11	313-7895	3/8" JIC M x 3/8" JIC Sw F Hydraulic Hose - 144"
12	313-7928	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 28"
13	313-7937	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 37"
14	313-7945	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 45"
15	313-7950	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 50"
16	313-7975	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 75"
17	313-7971	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 71"
18	313-7977	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 77"
19	313-7987	3/8" JIC Sw F x 3/8" JIC Sw F Hydraulic Hose - 102"
20	316-0302	1/2" ORB M x 3/8" JIC Male – Adaptor
21	318-5701	Hydraulic Tee - 3/8" JIC M (x2 Run) x 3/8" JIC Sw F (Branch)
22	318-5704	Hydraulic Tee - 3/8" JIC M (x2 Run & Branch)
23	318-5710	Hydraulic Tee - 3/8" JIC M (x1 Run, Branch) x 3/8" JIC Sw F (x1 Run)
24	319-5710	1/2" ORB M x 3/8" JIC M - 90° Elbow
25	319-5714	3/8" JIC M x 3/8" JIC Sw F - 90° Elbow
26	324-0031	3/8" JIC Nipple
27*	710-5018*	Reducing Valve With Reverse Flow Set @ 700 PSI* *DO NOT TAMPER WITH VALVE PRESSURE SETTING DAMAGE WILL OCCUR TO MACHINE

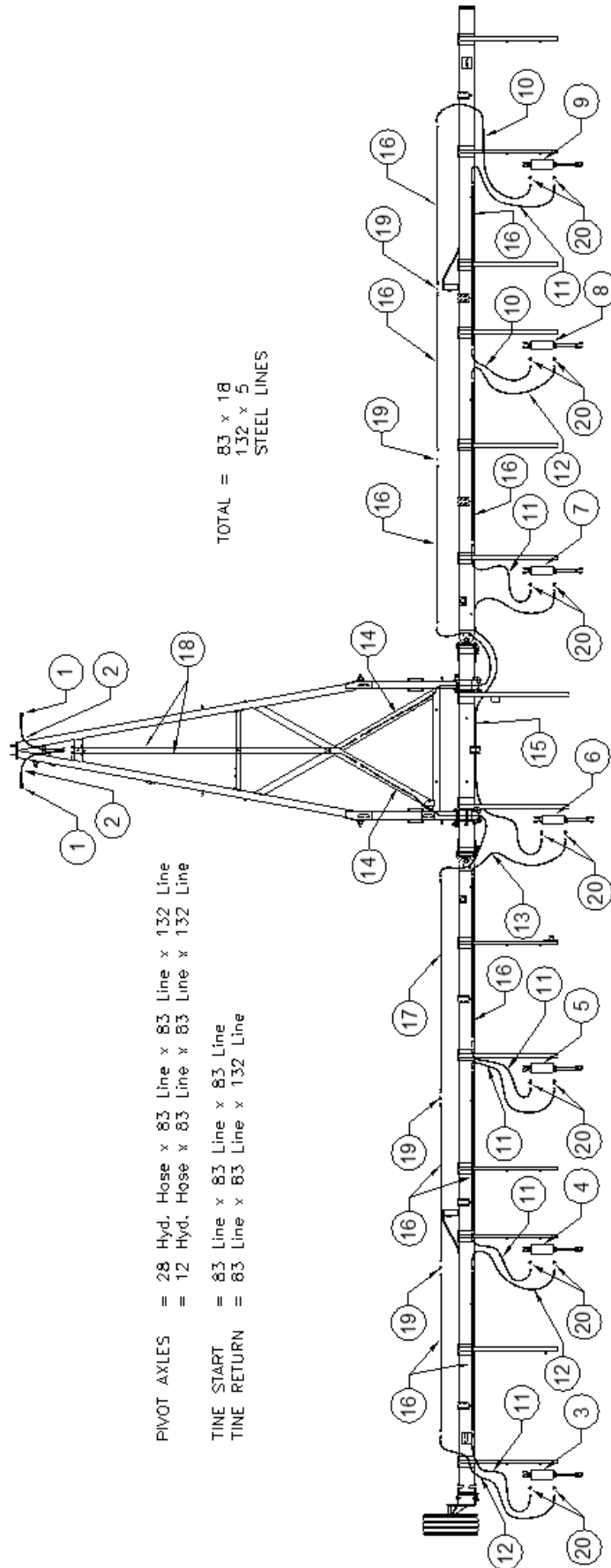
Hydraulic Schematics Model 5-55



Hydraulics Schematics - Model 5-55

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8 JIC M x 1/2 NPT M - 96" Hyd Hose	2
3	030-5734	2-1/2 x 8 Bp Hyd Cyl - 1/2 ORB	1
4	030-5735	2-3/4 x 8 Bp Hyd Cyl - 1/2 ORB	1
5	030-5736	3 x 8 BP Hyd Cyl - 1/2 ORB	1
6	030-5737	3-1/4 x 8 Bp Hyd Cyl - 1/2 ORB	1
7	030-5738	3-1/2 x 8 Bp Hyd Cyl - 1/2 ORB	1
8	313-7863	3/8 JIC M x 3/8 JIC Sw F - 63" Hyd Hose	1
9	313-7871	3/8 JIC M x 3/8 JIC Sw F - 71" Hyd Hose	3
10	313-7885	3/8 JIC M x 3/8 JIC Sw F - 85" Hyd Hose	3
11	313-7899	3/8 JIC M x 3/8 JIC Sw F - 113" Hyd Hose	1
12	313-7895	3/8 JIC M x 3/8 JIC Sw F - 144" Hyd Hose	2
13	313-7904	3/8 JIC Sw F x 3/8 JIC Sw F - 270" Hyd Hose	1
14	311-2083	3/8 Hydraulic Line - 83"	6
15	311-2132	3/8 Hydraulic Line - 132"	1
16	311-2157	3/8 Hydraulic Line - 157"	2
17	324-0031	3/8 JIC Nipple	2
18	319-5729	1/2 ORB M x 3/8 JIC M - 45 Elbow	10

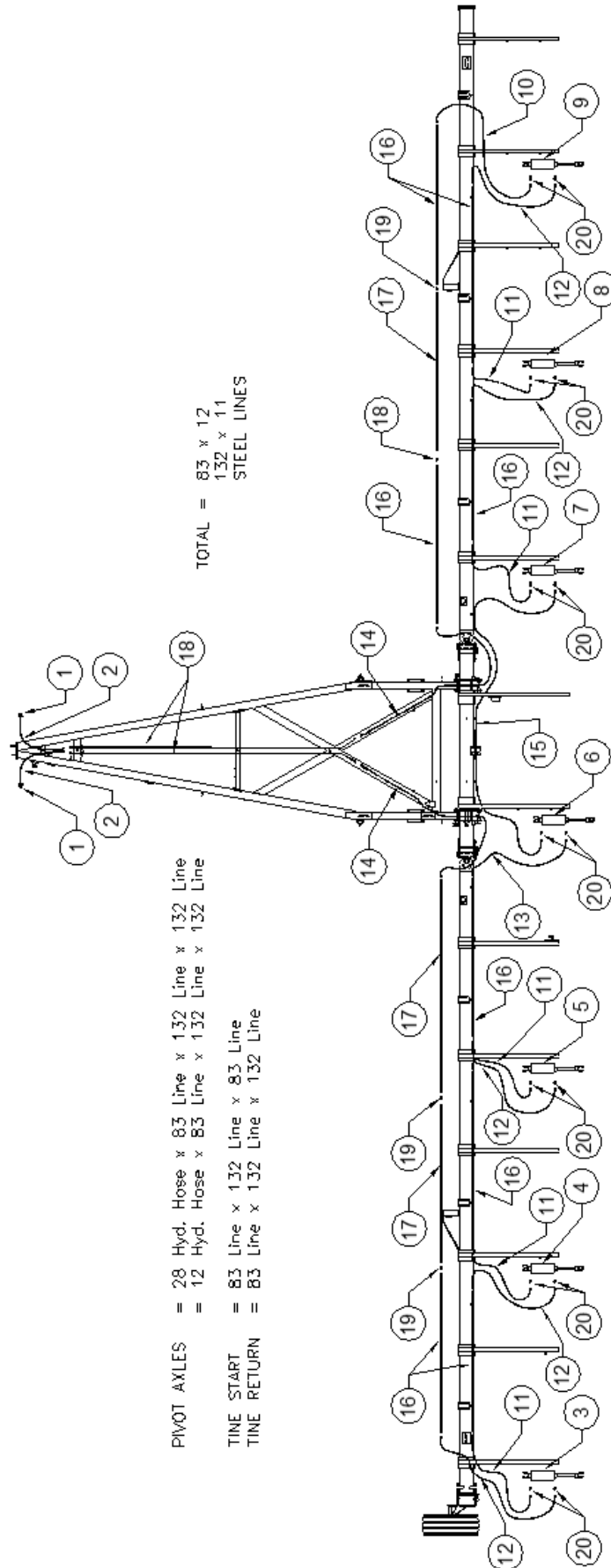
Hydraulics Schematics Model 5-68



Hydraulics Schematics - Model 5-68

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose.....	2
3	30-5734	2-1/2" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
4	30-5735	2-3/4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
5	30-5736	3" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
6	30-5737	3-1/4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
7	30-5738	3-1/2" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
8	30-5739	3-3/4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
9	30-5740	4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
10	313-7863	3/8" JIC M x 3/8 JIC Sw F - 63" Hyd Hose.....	2
11	313-7871	3/8" JIC M x 3/8 JIC Sw F - 71" Hyd Hose.....	6
12	313-7885	3/8" JIC M x 3/8 JIC Sw F - 85" Hyd Hose.....	3
13	313-7899	3/8" JIC M x 3/8 JIC Sw F - 113" Hyd Hose	1
14	313-7895	3/8 JIC M x 3/8 JIC Sw F - 144" Hyd Hose.....	2
15	313-7904	3/8 JIC Sw F x 3/8 JIC Sw F - 270" Hyd Hose	1
16	311-2083	3/8" Hydraulic Line - 83"	10
17	311-2132	3/8" Hydraulic Line - 132"	1
18	311-2157	3/8" Hydraulic Line - 157"	2
19	324-0031	3/8" JIC Nipple.....	4
20	319-5729	1/2 ORB M x 3/8 JIC M - 45 Elbow.....	14

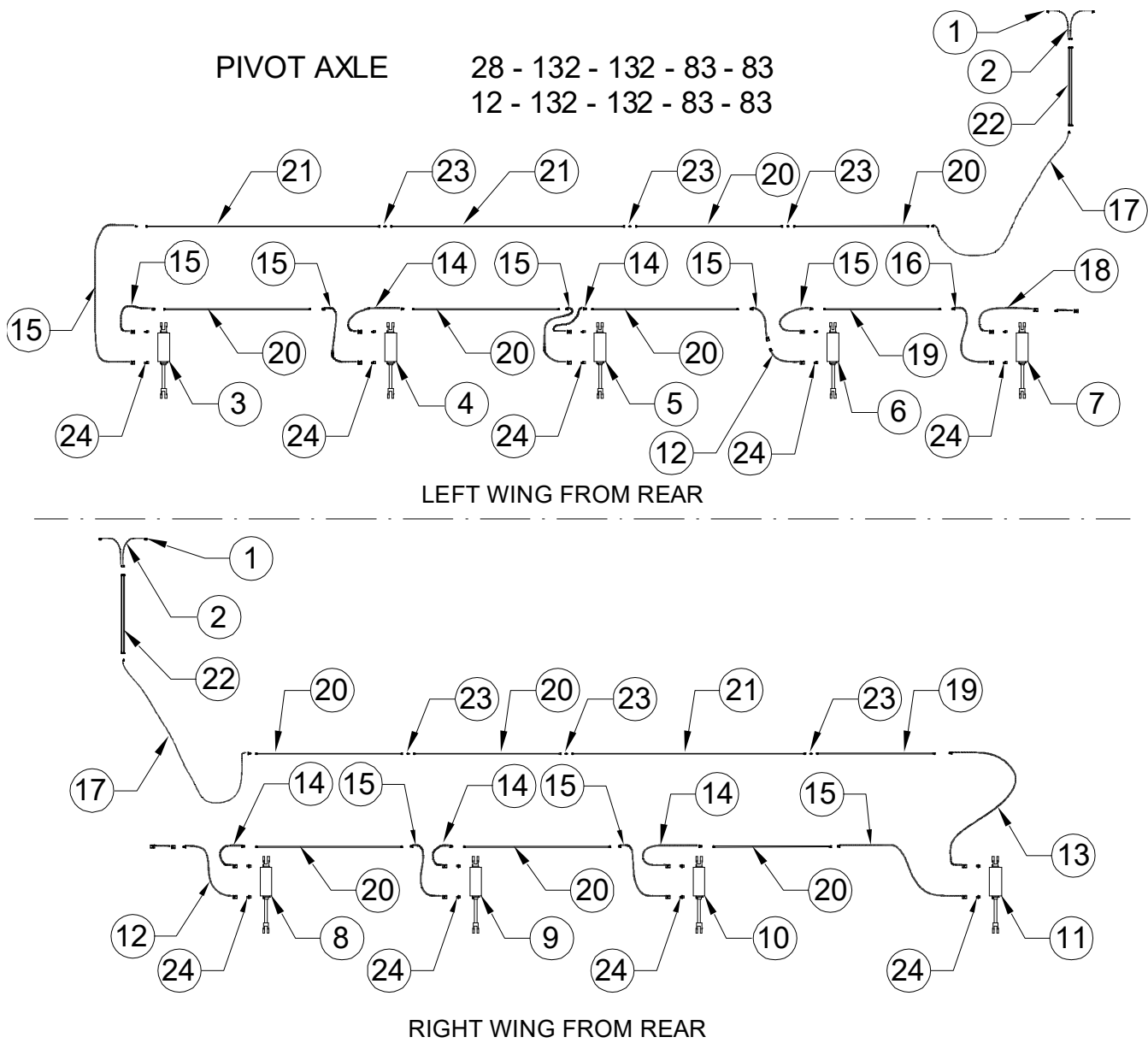
Hydraulics Schematics Model 5-78



Hydraulics Schematics - Model 5-78

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose.....	2
3	30-5734	2-1/2" x 8" Bp Hyd Cyl -1/2 ORB.....	1
4	30-5735	2-3/4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
5	30-5736	3" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
6	30-5737	3-1/4" x 8" Bp Hyd Cyl -1/2 ORB.....	1
7	30-5738	3-1/2" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
8	30-5739	3-3/4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
9	30-5740	4" x 8" Bp Hyd Cyl - 1/2 ORB.....	1
10	313-7863	3/8" JIC M x 3/8 JIC Sw F - 63" Hyd Hose.....	1
11	313-7871	3/8" JIC M x 3/8 JIC Sw F - 71" Hyd Hose.....	5
12	313-7885	3/8" JIC M x 3/8 JIC Sw F - 85" Hyd Hose.....	5
13	313-7899	3/8" JIC M x 3/8 JIC Sw F - 113" Hyd Hose	1
14	313-7895	3/8 JIC M x 3/8 JIC Sw F - 144" Hyd Hose.....	2
15	313-7904	3/8 JIC Sw F x 3/8 JIC Sw F - 270" Hyd Hose	1
16	311-2083	3/8" Hydraulic Line - 83"	8
17	311-2132	3/8" Hydraulic Line - 132"	3
18	311-2157	3/8" Hydraulic Line - 157"	2
19	324-0031	3/8" JIC Nipple.....	4
20	319-5729	1/2 ORB M x 3/8 JIC M - 45 Elbow.....	14

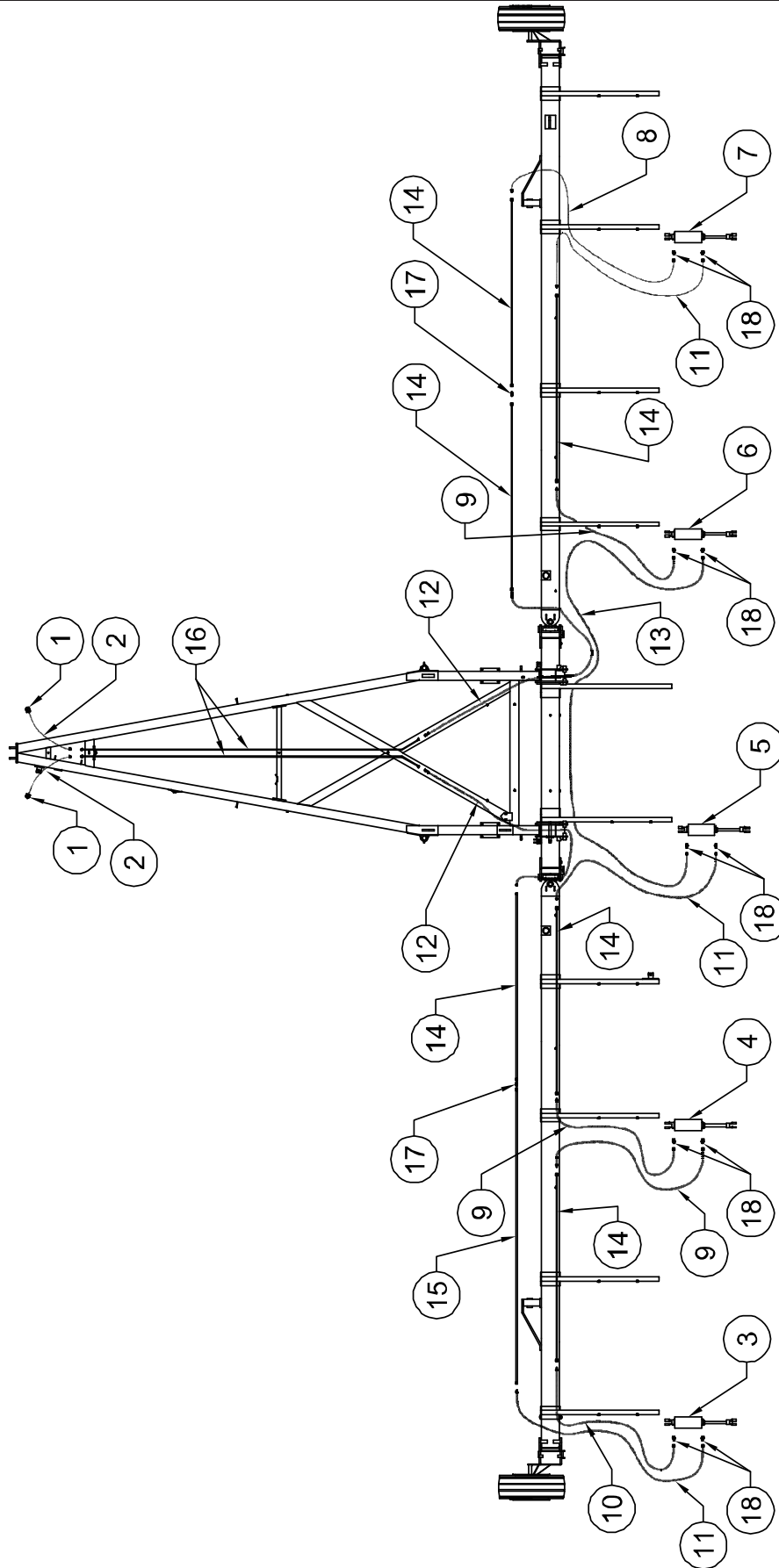
Hydraulics Schematics Model 5-90



Hydraulics Schematics - Model 5-90

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose	2
3	030-5734	2-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
4	030-5735	2-3/4" x 8" BP Hyd Cyl - 1/2" ORB	1
5	030-5736	3" x 8" BP Hyd Cyl - 1/2" ORB	1
6	030-5737	3-1/4" x 8" BP Hyd Cyl - 1/2" ORB	1
7	030-5738	3-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
8	030-5739	3-3/4" x 8" BP Hyd Cyl - 1/2" ORB	1
9	030-5740	4" x 8" BP Hyd Cyl - 1/2" ORB	1
10	030-5750	4-1/4" x 8" BP Hyd Cyl - 1/2" ORB	1
11	030-5751	4-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
12	313-7816	3/8" JIC M x 3/8 JIC Sw F - 16" Hyd Hose	2
13	313-7863	3/8" JIC M x 3/8 JIC Sw F - 63" Hyd Hose	1
14	313-7871	3/8" JIC M x 3/8 JIC Sw F - 71" Hyd Hose	5
15	313-7885	3/8" JIC M x 3/8 JIC Sw F - 85" Hyd Hose	9
16	313-7899	3/8" JIC M x 3/8 JIC Sw F - 113" Hyd Hose	1
17	313-7895	3/8" JIC M x 3/8 JIC Sw F - 144" Hyd Hose	2
18	313-7904	3/8" JIC Sw F x 3/8 JIC Sw F - 270" Hyd Hose	1
19	311-2066	3/8" Hydraulic Line - 66"	2
20	311-2083	3/8" Hydraulic Line - 83"	10
21	311-2132	3/8" Hydraulic Line - 132"	3
22	311-2157	3/8" Hydraulic Line - 157"	2
23	324-0031	3/8" JIC Nipple	6
24	319-5710	1/2 ORB M x 3/8 JIC M - 90 Elbow	18

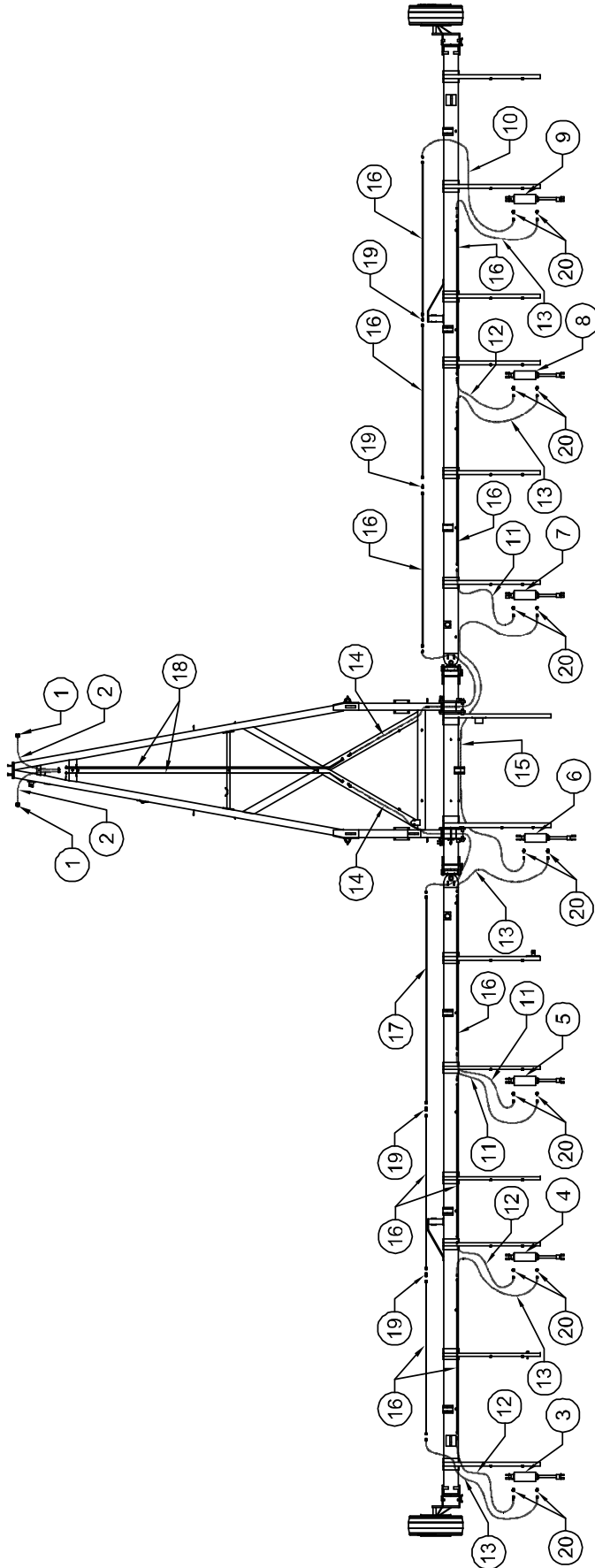
Hydraulic Schematics Model 7-58



Hydraulics Schematics - Model 7-58

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose.....	2
3	030-5734	2-1/2 x 8 Bp Hyd Cyl.....	1
4	030-5735	2-3/4 x 8 Bp Hyd Cyl.....	1
5	030-5736	3 x 8 Bp Hyd Cyl	1
6	030-5737	3-1/4 x 8 Bp Hyd Cyl.....	1
7	030-5738	3-1/2 x 8 Bp Hyd Cyl.....	1
8	313-7871	3/8 JIC M x 3/8 JIC Sw F - 71" Hyd Hose	1
9	313-7877	3/8 JIC M x 3/8 JIC Sw F - 77" Hyd Hose	3
10	313-7885	3/8 JIC M x 3/8 JIC Sw F - 85" Hyd Hose	1
11	313-7892	3/8 JIC M x 3/8 JIC Sw F - 92" Hyd Hose	2
12	313-7895	3/8 JIC M x 3/8 JIC Sw F - 144" Hyd Hose.....	2
13	330-0294	3/8 JIC Sw F x 3/8 JIC Sw F - 294" Hyd Hose	1
14	311-2083	3/8 Hydraulic Line - 83"	6
15	311-2132	3/8 Hydraulic Line - 132"	1
16	311-2157	3/8 Hydraulic Line - 157"	2
17	324-0031	3/8 JIC Nipple - 90 Elbow	2
18	319-5710	1/2 ORB M x 3/8 JIC M.....	10

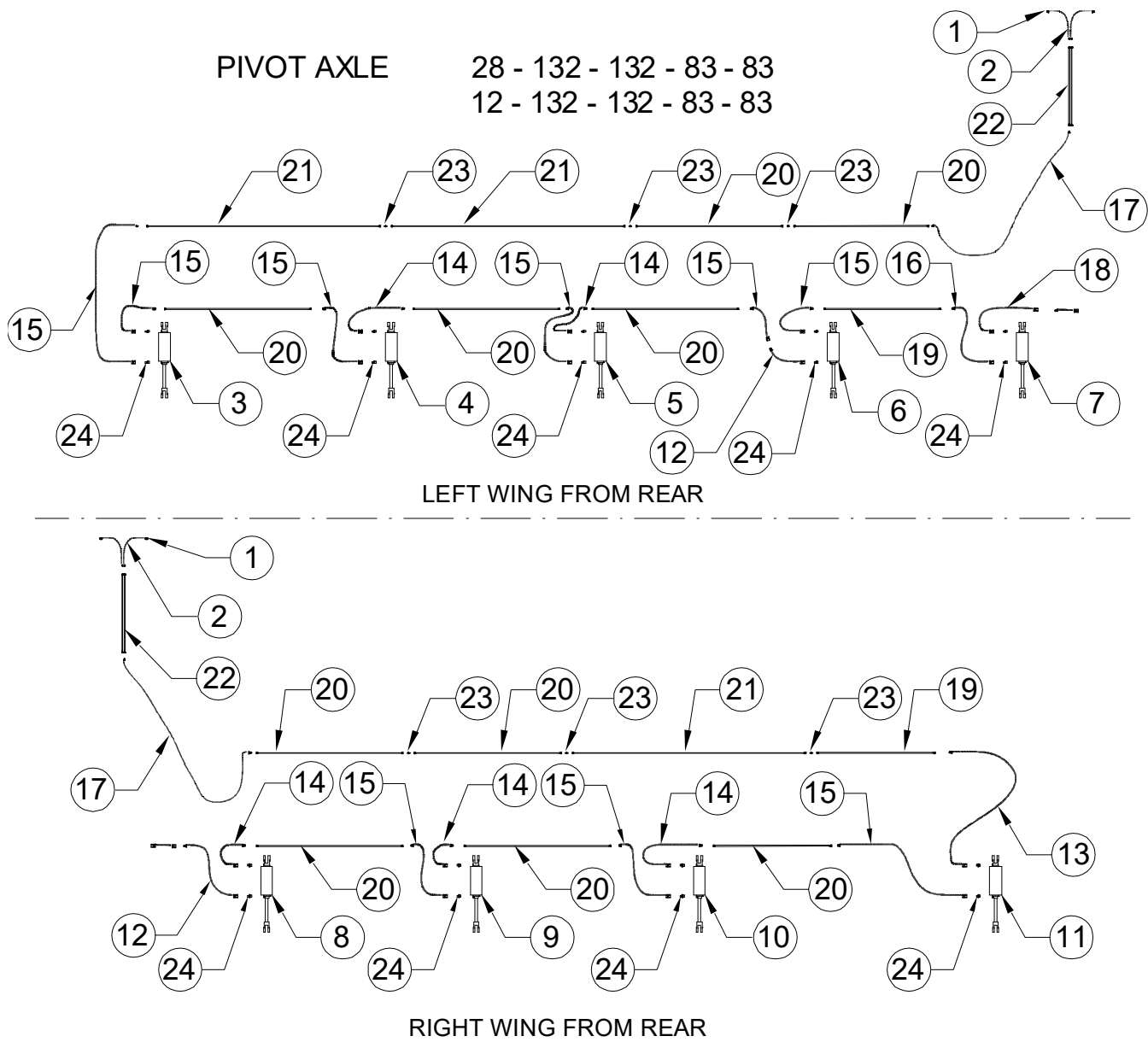
Hydraulic Schematics Model 7-72



Hydraulics Schematics - Model 7-72

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose.....	2
3	030-5734	2-1/2 x 8 Bp Hyd Cyl.....	1
4	030-5735	2-3/4 x 8 Bp Hyd Cyl.....	1
5	030-5736	3 x 8 Bp Hyd Cyl	1
6	030-5737	3-1/4 x 8 Bp Hyd Cyl.....	1
7	030-5738	3-1/2 x 8 Bp Hyd Cyl.....	1
8	030-5739	3-3/4 x 8 Bp Hyd Cyl.....	1
9	030-5740	4 x 8 Bp Hyd Cyl	1
10	313-7871	3/8 JIC M x 3/8 JIC Sw F - 71" Hyd Hose	1
11	313-7877	3/8 JIC M x 3/8 JIC Sw F - 77" Hyd Hose	3
12	313-7885	3/8 JIC M x 3/8 JIC Sw F - 85" Hyd Hose	3
13	313-7892	3/8 JIC M x 3/8 JIC Sw F - 92" Hyd Hose	5
14	313-7895	3/8 JIC M x 3/8 JIC Sw F - 144" Hyd Hose.....	2
15	330-0294	3/8 JIC Sw F x 3/8 JIC Sw F - 294" Hyd Hose	1
16	311-2083	3/8 Hydraulic Line - 83"	10
17	311-2132	3/8 Hydraulic Line - 132"	1
18	311-2157	3/8 Hydraulic Line - 157"	2
19	324-0031	3/8 JIC Nipple - 90 Elbow	4
20	319-5710	1/2 ORB M x 3/8 JIC M.....	14

Hydraulic Schematics Model 7-82

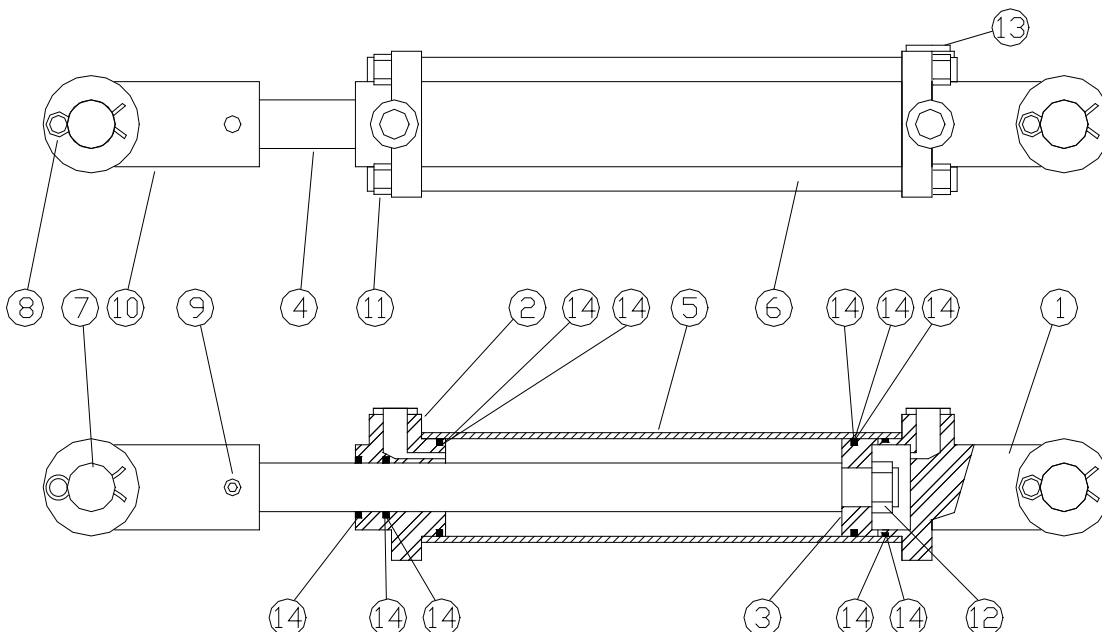


Hydraulics Schematics - Model 7-82

Item	Part No.	Description	Qty
1	308-0001	Pioneer Coupling	2
2	313-5096	3/8" JIC M x 1/2" NPT M - 96" Hyd Hose	2
3	030-5734	2-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
4	030-5735	2-3/4" x 8" BP Hyd Cyl - 1/2" ORB	1
5	030-5736	3" x 8" BP Hyd Cyl - 1/2" ORB	1
6	030-5737	3-1/4" x 8" BP Hyd Cyl - 1/2" ORB	1
7	030-5738	3-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
8	030-5739	3-3/4" x 8" BP Hyd Cyl - 1/2" ORB	1
9	030-5740	4" x 8" BP Hyd Cyl - 1/2" ORB	1
10	030-5750	4-1/4" x 8" BP Hyd Cyl - 1/2" ORB	1
11	030-5751	4-1/2" x 8" BP Hyd Cyl - 1/2" ORB	1
12	313-7816	3/8" JIC M x 3/8 JIC Sw F - 16" Hyd Hose	2
13	313-7863	3/8" JIC M x 3/8 JIC Sw F - 63" Hyd Hose	1
14	313-7871	3/8" JIC M x 3/8 JIC Sw F - 71" Hyd Hose	5
15	313-7885	3/8" JIC M x 3/8 JIC Sw F - 85" Hyd Hose	9
16	313-7899	3/8" JIC M x 3/8 JIC Sw F - 113" Hyd Hose	1
17	313-7895	3/8" JIC M x 3/8 JIC Sw F - 144" Hyd Hose	2
18	313-7904	3/8" JIC Sw F x 3/8 JIC Sw F - 270" Hyd Hose	1
19	311-2066	3/8" Hydraulic Line - 66"	2
20	311-2083	3/8" Hydraulic Line - 83"	10
21	311-2132	3/8" Hydraulic Line - 132"	3
22	311-2157	3/8" Hydraulic Line - 157"	2
23	324-0031	3/8" JIC Nipple	6
24	319-5710	1/2 ORB M x 3/8 JIC M - 90 Elbow	18

Cylinders
MONARCH 4" X 24" (40THC24-150)
 MONARCH Part Number 671645
 MORRIS Part Number 030-5985

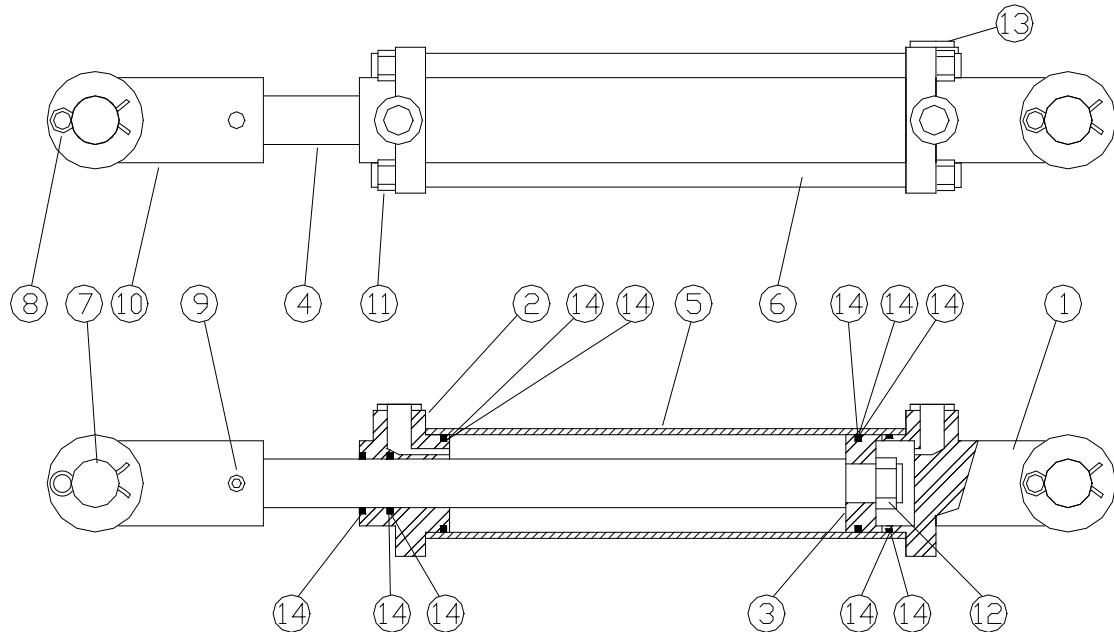
USED ON 5-55, 5-68, 5-78 and 7-58



Item	Part No.	Description
1	492680	Clevis Cap 4" x 3/4" ORB-1.00
2	492686	Rod Cap - 4" x 1-1/2" - 3/4"ORB
3	492527	Piston - 4" Dia CST DI
4	492615	Rod - 1-1/2" Dia TL x 26"
5	467324	Tube - 4" x 24" 5/8" TR
6	492354	Tie Rod - 5/8" x 24"
7	134953	Pin Dia 1" x 3.37" For Cotter
8	134952	Hair Pin - .105 Dia
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128271	Hex Nut - 5/8" UNC Gr5
12	129110	Hex Nut - 1" - 14 UNS Gr5
13	186562	Plug - 3/4" - 16 UNF SOC HD STR-THD
14	639580	Seal Kit - 4" x 1-1/2"

Cylinders
MONARCH 4" X 24" (40THC24-200)
 MONARCH Part Number 671647
 MORRIS Part Number 030-5987

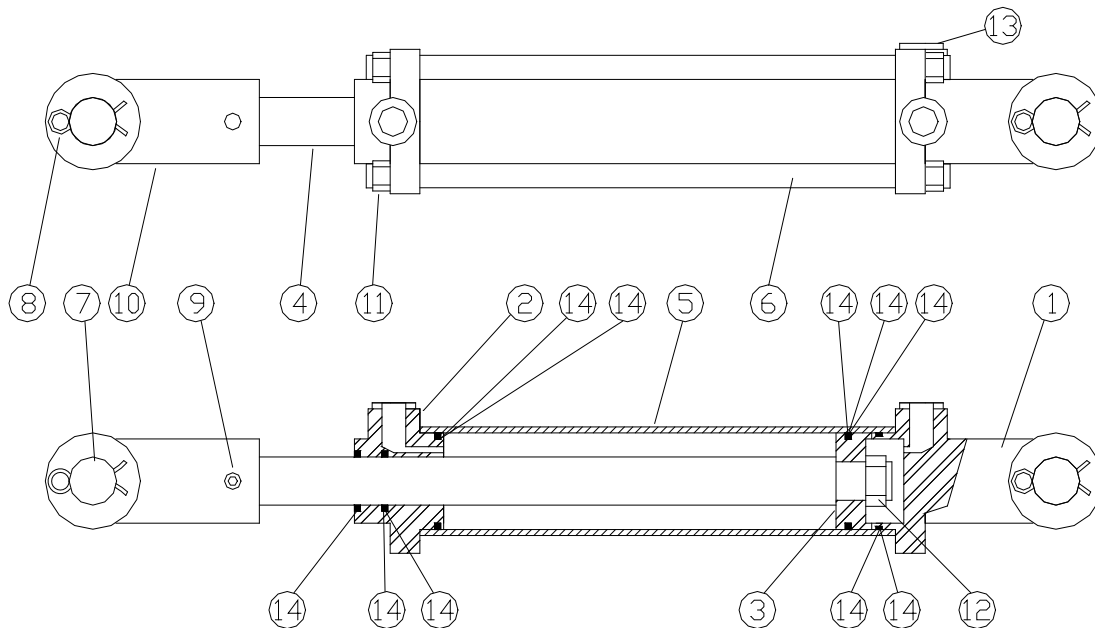
USED ON 5-90, 7-72 and 7-82



Item	Part No.	Description
1	492680	Clevis Cap 4" x 3/4" ORB-1.00
2	492732	Rod Cap - 4" x 2" - 3/4" ORB
3	492527	Piston - 4" Dia CST DI
4	493894	Rod - 2" Dia TL x 26"
5	467324	Tube - 4" x 24" 5/8" TR
6	492354	Tie Rod - 5/8" x 24"
7	134953	Pin Dia 1" x 3.37" For Cotter
8	134952	Hair Pin - .105 Dia
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	493168	Rod Clevis 2"
11	128271	Hex Nut - 5/8" UNC Gr5
12	129110	Hex Nut - 1" - 14 UNS Gr5
13	186562	Plug - 3/4" - 16 UNF SOC HD STR-THD
14	639582	Seal Kit - 4" x 2"

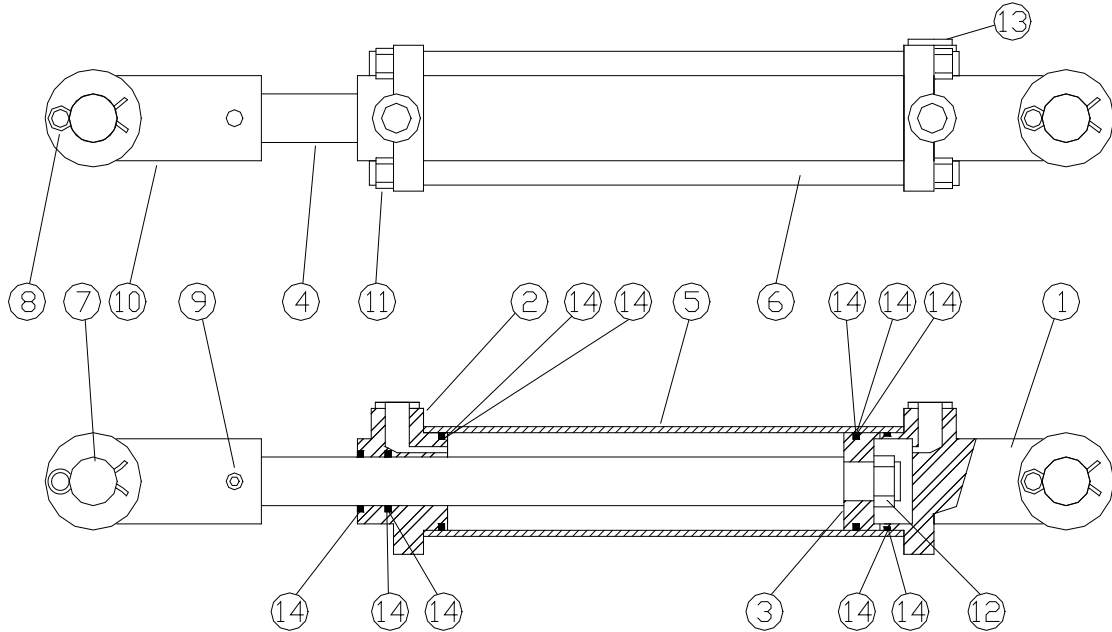
Cylinders
MONARCH 2-1/2" x 8" BP (25TP08-112)
MONARCH Part Number 639521
MORRIS Part Number 030-5734

Used on 5-55, 5-68, 5-78, 5-90, 7-82



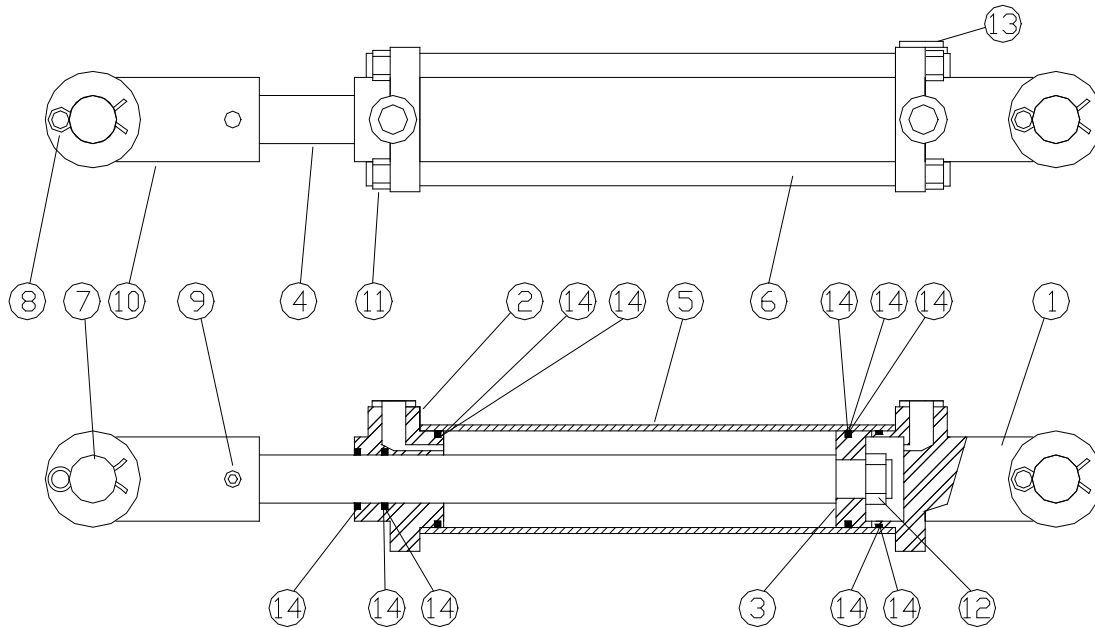
Item	Part No.	Description
1	492674	Clevis Cap 2-1/2" ORB
2	492673	Rod Cap 2-1/2" x 1-1/8" ORB
3	494726	Piston * R1 * 2-1/2" WPTR
4	492699	Rod 1-1/8 ASAE 8
5	464263	Tube Weld 2-1/2" x 8" TP
6	492218	Tie Rod 3/8" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492650	Rod Clevis 1-1/8"
11	128230	Nut Hex 3/8" UNC
12	130556	Nut Hex 3/4" UNF GrA Uunitorque
13	186562	Plug - 3/4" - 16 UNF SOC HD STR-THD
14	639555	Seal Kit - 2-1/2" x 1-1/8"

Cylinders
MONARCH 2-3/4" x 8" BP (27TP08 - 112)
MONARCH Part Number 639522
MORRIS Part Number 030-5735



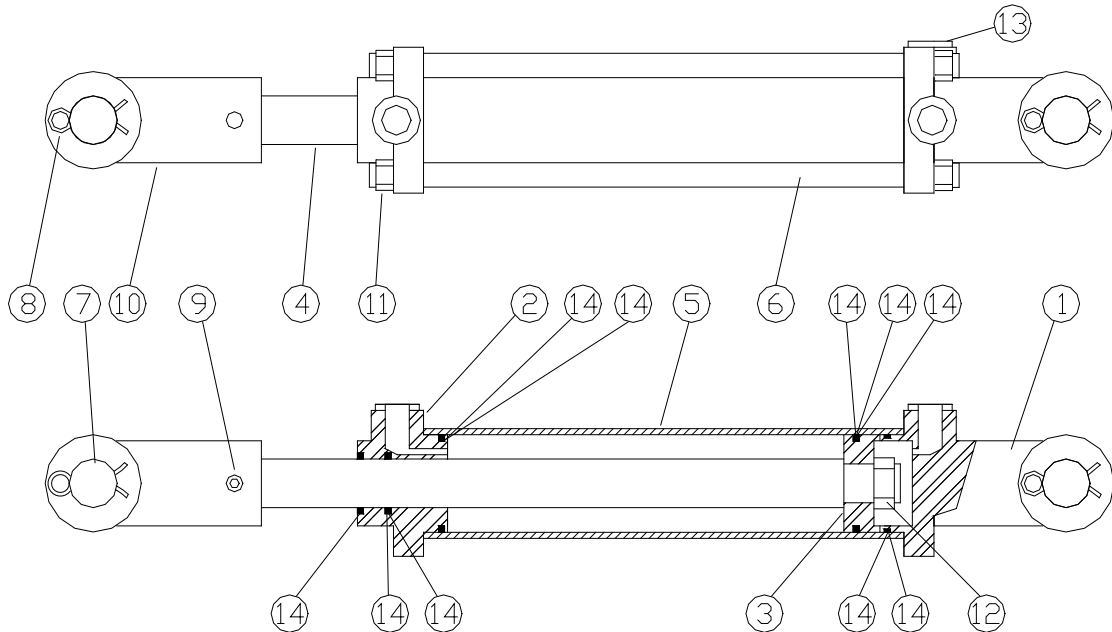
Item	Part No.	Description
1	492660	Clevis Cap 2-3/4" ORB
2	492661	Rod Cap 2-3/4" x 1-1/8" ORB
3	494727	Piston * R1 * 2-3/4" WPTR
4	492699	Rod 1-1/8" ASAE 8
5	464264	Tube Weld 2-3/4" x 8" TP
6	492278	Tie Rod 1/2" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492650	Rod Clevis 1-1/8"
11	128250	Nut Hex 1/2" UNC
12	130556	Nut Hex 3/4" UNF GrA Uunitorque
13	186562	Plug - 3/4" - 16 UNF SOC HD STR-THD
14	639557	Seal Kit 2-3/4" x 1-1/8"

Cylinders
MONARCH 3" x 8" BP (30TP08-125)
 MONARCH Part Number 639523
 MORRIS Part Number 030-5736



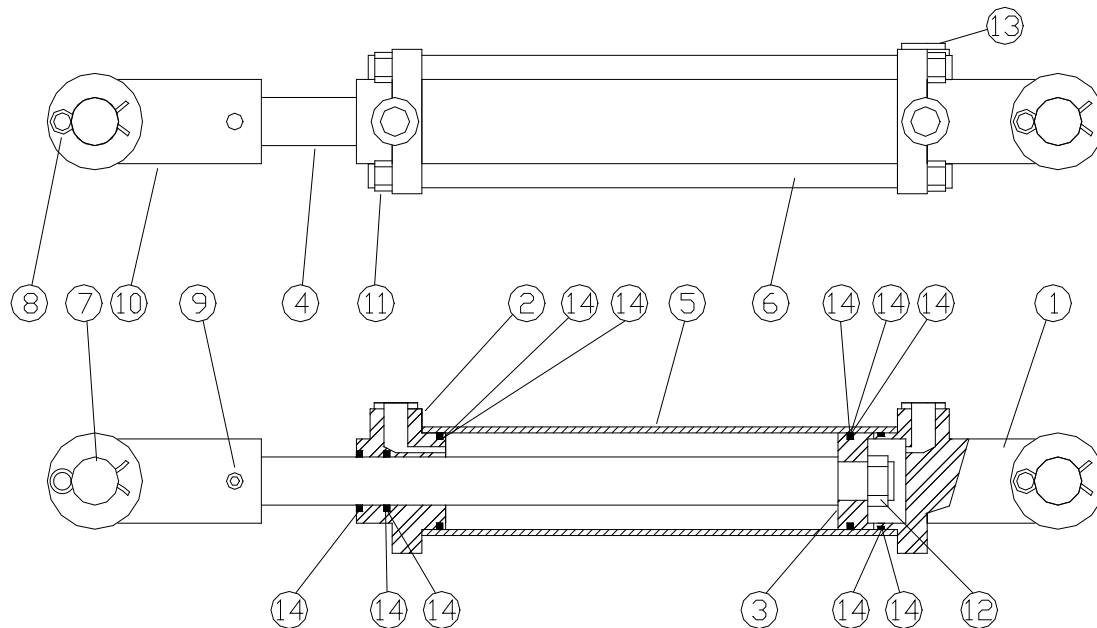
Item	Part No.	Description
1	492675	Clevis Cap 3" ORB
2	492670	Rod Cap 3" x 1-1/4" ORB
3	494719	Piston *R1 * 3" WPTR
4	492700	Rod 1-1/4" Dia ASAE 8
5	464265	Tube Weld 3" x 8" TP
6	492278	Tie Rod 1/2" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128250	Nut Hex 1/2" UNC
12	130560	Nut Hex 1"-14 GrA Unitorque
13	186562	Plug - 3/4" - 16 UNF SOC HD STR-THD
14	639558	Seal Kit 3" x 1-1/4"

Cylinders
MONARCH 3-1/4" x 8" BP (32TP08-125)
MONARCH Part Number 639524
MORRIS Part Number 030-5737



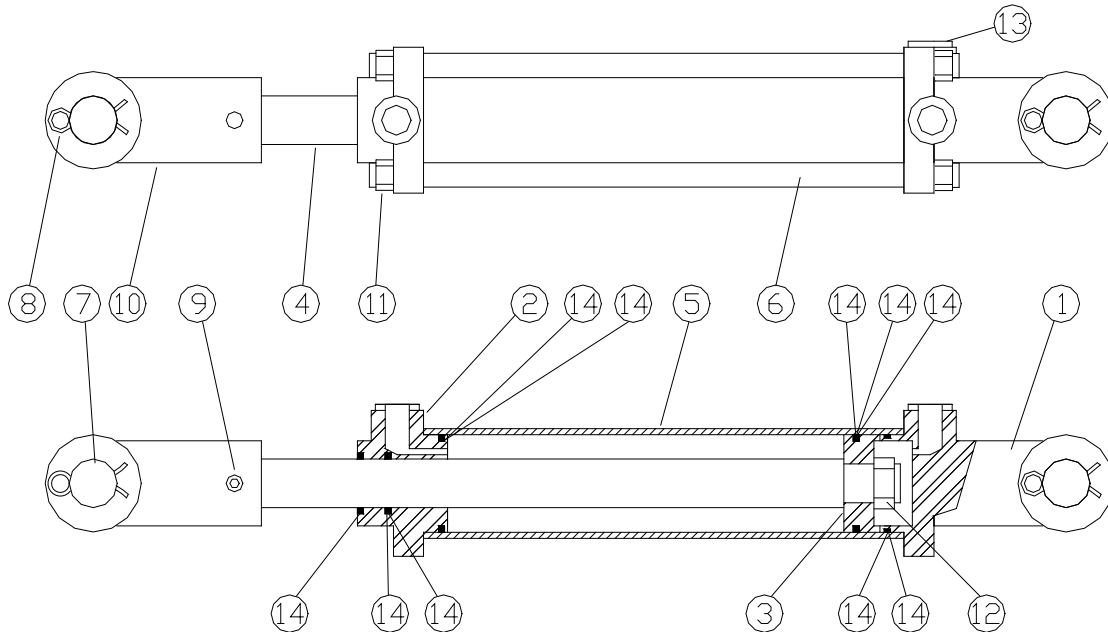
Item	Part No.	Description
1	492662	Clevis Cap 3-1/4" ORB
2	492664	Rod Cap 3-1/4" x 1-1/4" ORB
3	494737	Piston 3-1/4" TP
4	492700	Rod 1-1/4" Dia ASAE 8
5	464266	Tube Weld 3-1/4" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128271	Nut Hex 5/8" UNF Grade 5
12	130560	Nut Hex 1"-14 GrA Unitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639560	Seal Kit 3-1/4" x 1-1/4"

Cylinders
MONARCH 3-1/2" x 8" BP (35TP08-125)
MONARCH Part Number 639962
MORRIS Part Number 030-5738



Item	Part No.	Description
1	492676	Clevis Cap 3-1/2" ORB
2	492677	Rod Cap 3-1/2" x 1-1/4" ORB
3	494738	Piston 3-1/2" TH/TP
4	492700	Rod 1-1/4" Dia ASAE 8
5	464267	Tube Weld 3-1/2" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128271	Nut Hex 5/8" UNF
12	130560	Nut Hex 1"-14 GrA Unitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639561	Seal Kit 3-1/2" x 1-1/4"

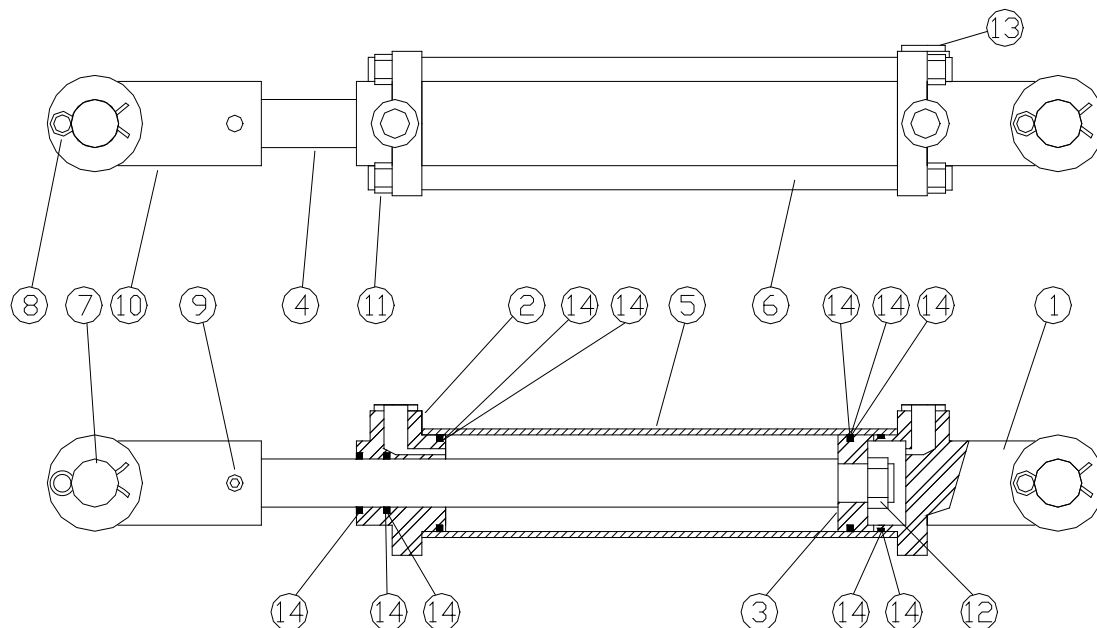
Cylinders
MONARCH 3-3/4" x 8" BP (37TP08 - 137)
MONARCH Part Number 639963
MORRIS Part Number 030-5739



Item	Part No.	Description
1	492678	Clevis Cap 3-3/4" ORB
2	492679	Rod Cap 3-3/4" x 1-3/8" ORB
3	494732	Piston 3-3/4" TP
4	492800	Rod 1-3/8" Dia ASAE 8
5	464268	Tube Weld 3-3/4" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128271	Nut Hex 5/8" UNF
12	130559	Nut Hex 1-1/8 UNF GrA Uunitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639563	Seal Kit 3-3/4" x 1-3/8"

Cylinders
MONARCH 4" x 8" BP (40TP08 - 137)
MONARCH Part Number 639964
MORRIS Part Number 030-5740

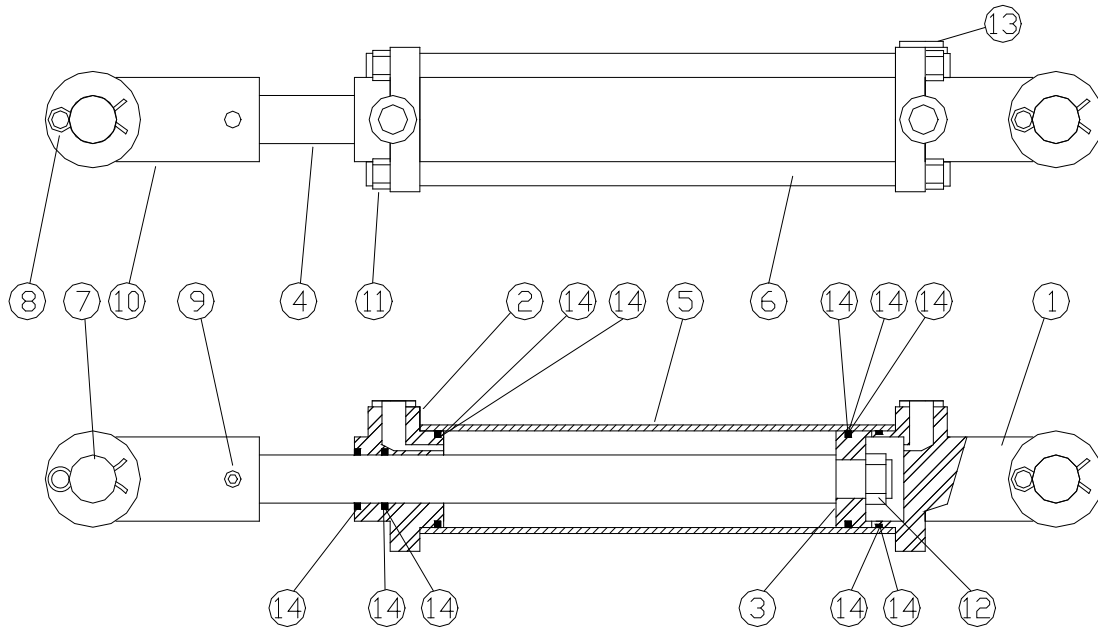
Used on 5-55, 5-68, 5-78, 5-90, 7-58, 7-72, 7-82



Item	Part No.	Description
1	492680	Clevis Cap 4" ORB
2	492685	Rod Cap 4" x 1-3/8" ORB
3	494730	Piston 4" TH/TP
4	492800	Rod 1-3/8" Dia ASAE 8
5	464269	Tube Weld 4" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	469528	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/4"
11	128271	Nut Hex 5/8" UNF
12	130559	Nut Hex 1-1/8" UNF GrA Unitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639564	Seal Kit 4" x 1-3/8"

Cylinders
MONARCH 4 1/4" x 8" BP (42TP08 - 150)
MONARCH Part Number 639710
MORRIS Part Number 030-5750

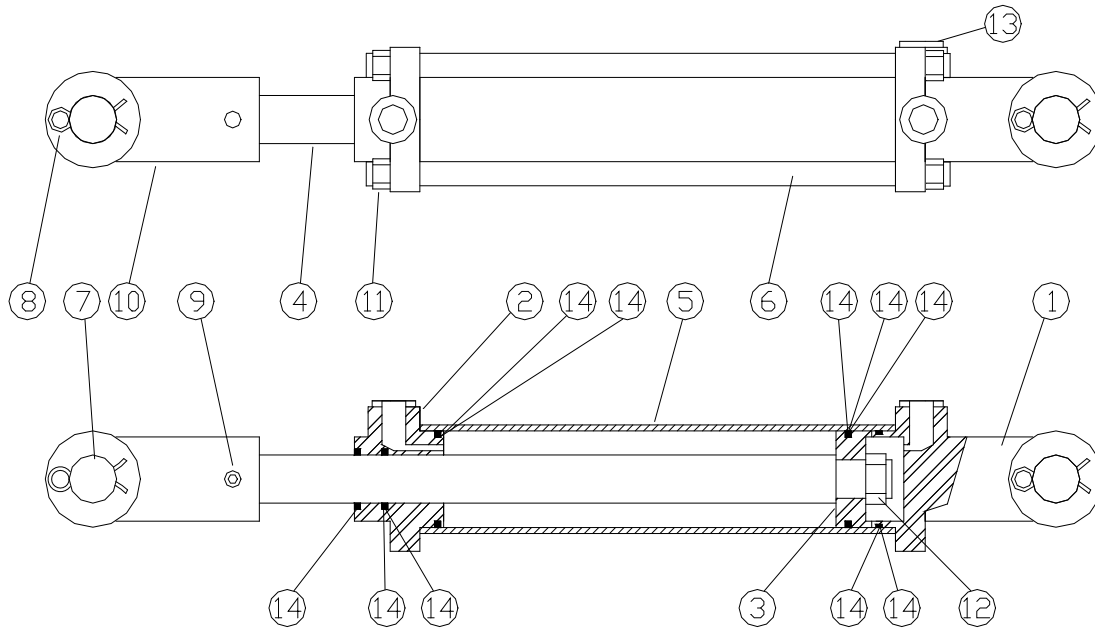
Used on 5-90, 7-82



Item	Part No.	Description
1	492706	Clevis Cap 4-1/4" ORB
2	492703	Rod Cap 4-1/4" x 1-3/2" ORB
3	494739	Piston 4-1/4" TH/TP
4	492698	Rod 1-1/2" Dia ASAE 8
5	464270	Tube Weld 4-1/4" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	269722	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492652	Rod Clevis 1-1/2"
11	128271	Nut Hex 5/8" UNF
12	130781	Nut Hex 1-1/4" UNF GrA Unitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639567	Seal Kit 4-1/4" x 1-1/2"

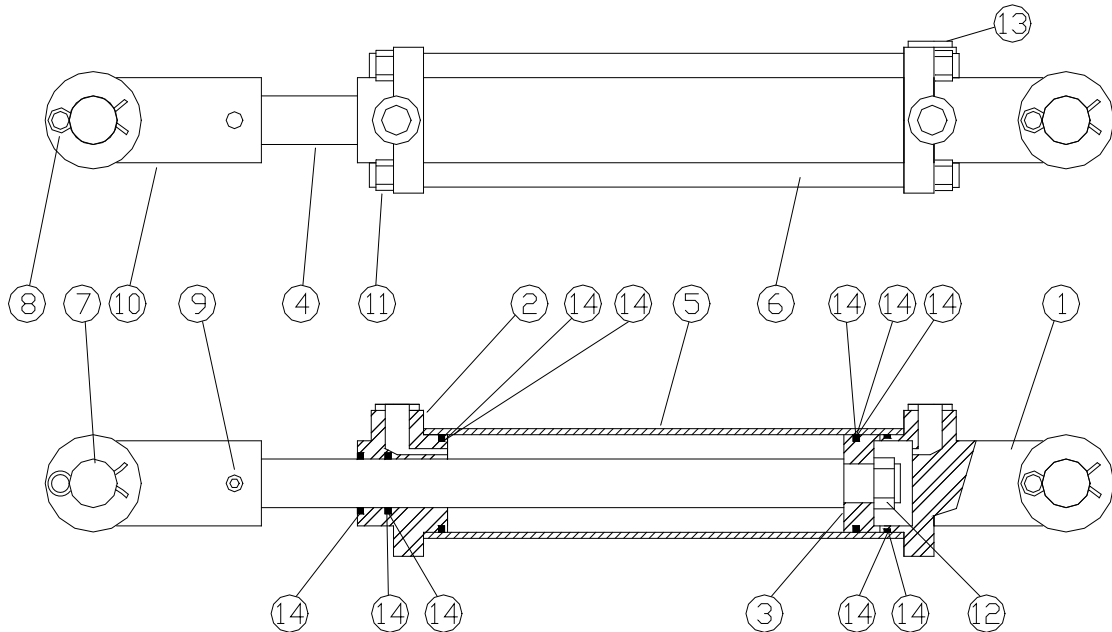
Cylinders
MONARCH 4-1/2" x 8" BP (45TP08 - 150)
MONARCH Part Number 639711
MORRIS Part Number 030-5751

Used on 5-90, 7-82



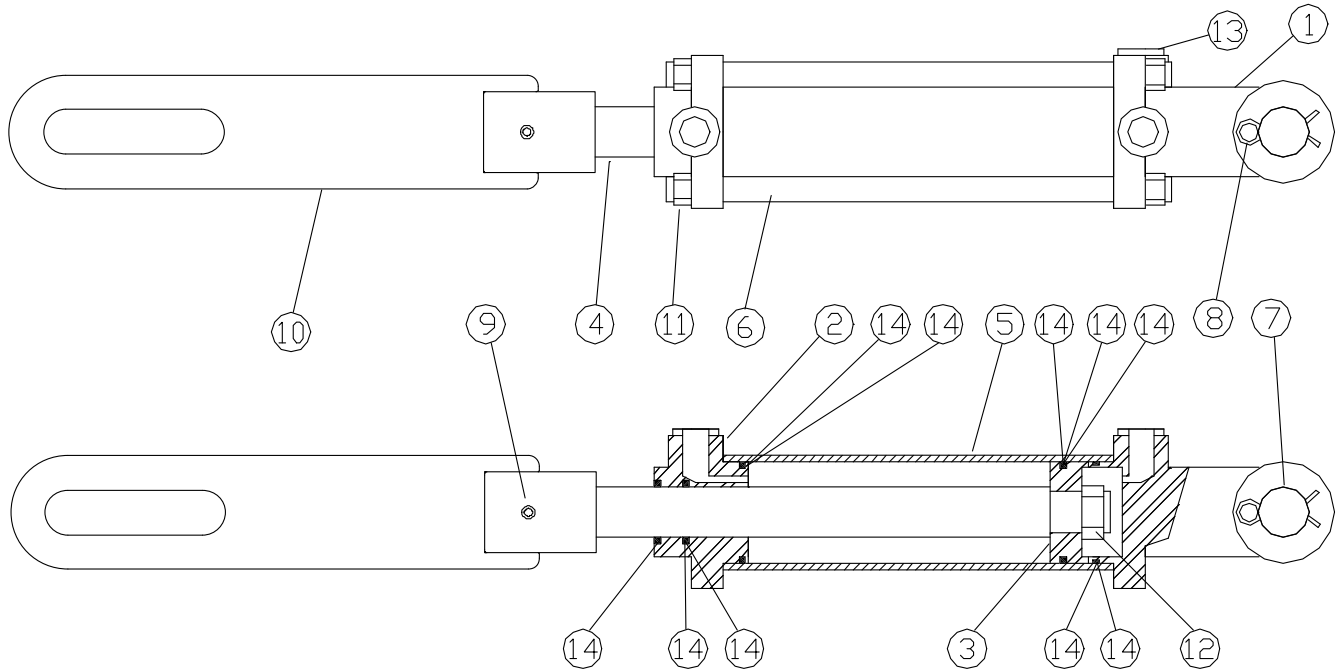
Item	Part No.	Description
1	492708	Clevis Cap 4-1/2" ORB
2	492705	Rod Cap 4-1/2" x 1-1/2" ORB
3	494740	Piston 4-1/2" TH/TP
4	492698	Rod 1-1/2" Dia ASAE 8
5	464271	Tube Weld 4-1/2" x 8" TP
6	492338	Tie Rod 5/8" x 8"
7	269722	Pin 1" Dia For Cotter
8	135995	Cotter Pin 3/16" x 1-1/2" Hammerlock
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492654	Rod Clevis 1-1/2"
11	128271	Nut Hex 5/8" UNF
12	130781	Nut Hex 1-1/4" UNF GrA Unitorque
13	186562	Plug - 3/4"-16 UNF SOC HD STR-THD
14	639568	Seal Kit 4-1/2" x 1-1/2"

Cylinders
MONARCH 2" x 12" (20TxC12 - 113)
MONARCH Part Number 671624
MORRIS Part Number 030-5979



Item	Part No.	Description
1	492672	Clevis Cap 2" x 3/8" ORB-1.00
2	492665	Rod Cap 2" x 1-1/8" - 3/4" ORB
3	492548	Piston 2" Dia CST DI
4	492853	Rod 1-1/8" x 12"
5	491612	Tube 2" x 12" Cylinder
6	492222	Tie Rod 3/8", 12" Cylinder
7	134953	Pin Dia 1" x 3.37" For Cotter
8	134952	Hair Pin .105" Dia
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	492650	Rod Clevis 1-1/8" - 12 UNF
11	128230	Hex Nut 3/8" UNC Gr5
12	129090	Hex Nut 3/4" UNF Gr5
13	186562	Plug D 3/4"-16 SOC HD STR-THD
14	639572	Seal Kit - 2" x 1-1/8"

Cylinders
MONARCH 2" x 4" (20TX04- 112)
MONARCH Part Number 661838
MORRIS Part Number 030-5999



Item	Part No.	Description
1	492672	Clevis Cap 2" x 3/8" ORB-1.00
2	492665	Rod Cap 2" x 1-1/8" - 3/4" ORB
3	492548	Piston 2" Dia CST DI
4	497505	Rod 1-1/8" x 8"
5	491604	Tube 2" x 4" Cylinder
6	492214	Tie Rod 3/8", 4" Cylinder
7	134953	Pin Dia 1" x 3.37" For Cotter
8	134952	Hair Pin .105" Dia
9	148390	SC SCKT Set, 3/8" UNC x 1/2" KNUR
10	105-1250	Rod Clevis, Slotted (Sold With Cylinder Only)
11	128230	Hex Nut 3/8" UNC Gr5
12	129090	Hex Nut 3/4" UNF Gr5
13	186562	Plug D 3/4"-16 SOC HD STR-THD
14	639572	Seal Kit - 2" x 1-1/8"

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