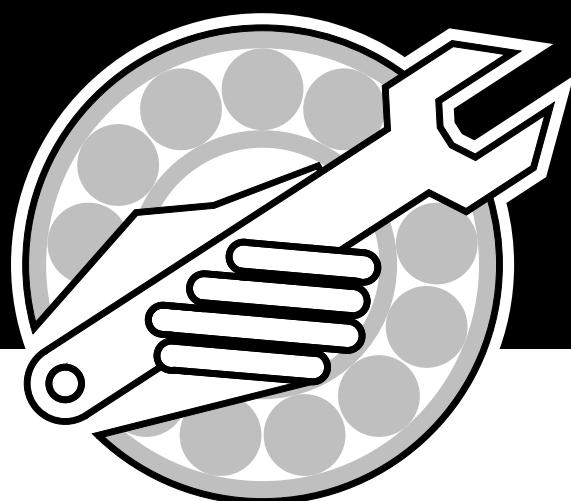




Parts Manual



A^{uto}lign Bale Skoop
4SR PLUS
12SR PLUS

Part Number K65164-02

Table of Contents

Section 1:

Parts Breakdown	1-1
Bale Skoop Final Assembly.....	1-2
Loader Assembly.....	1-4
12SR PLUS - Grab Hook Assembly	1-6
4SR PLUS - Short Alignment Arm Assembly	1-8
12SR PLUS - Medium Alignment Arm Assembly	1-9
Bed Assembly	1-10
Frame Assembly.....	1-12
Bed Rest Assembly	1-14
Hitch Assembly.....	1-16
Tire and ADR Axle Assembly	1-18
4SR PLUS Hydraulic Hose Schematic.....	1-20
12SR PLUS Hydraulic Hose Schematic.....	1-22
Cylinder Specification Sheet	1-24
Electrical Warning Assembly	1-26
Electrical Assembly	1-27
Index	i

Table of Contents

Notes

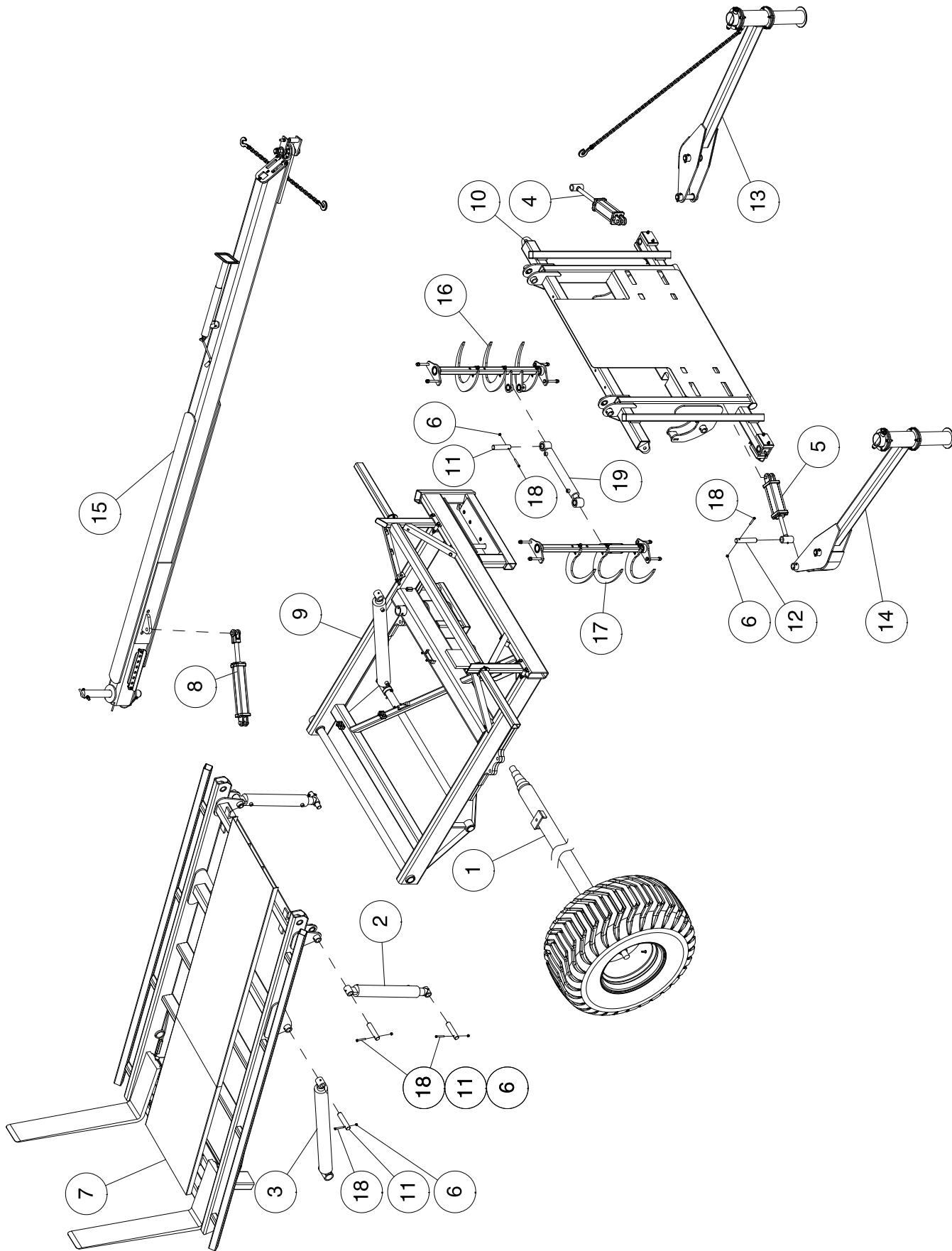
Section 1:

Parts Breakdown

Section Contents

Bale Skoop Final Assembly	1-2
Loader Assembly	1-4
12SR PLUS - Grab Hook Assembly	1-6
4SR PLUS - Short Alignment Arm Assembly	1-8
12SR PLUS - Medium Alignment Arm Assembly	1-9
Bed Assembly	1-10
Frame Assembly	1-12
Bed Rest Assembly	1-14
Hitch Assembly	1-16
Tire and ADR Axle Assembly	1-18
4SR PLUS Hydraulic Hose Schematic	1-20
12SR PLUS Hydraulic Hose Schematic	1-22
Cylinder Specification Sheet	1-24
Electrical Warning Assembly	1-26
Electrical Assembly	1-27

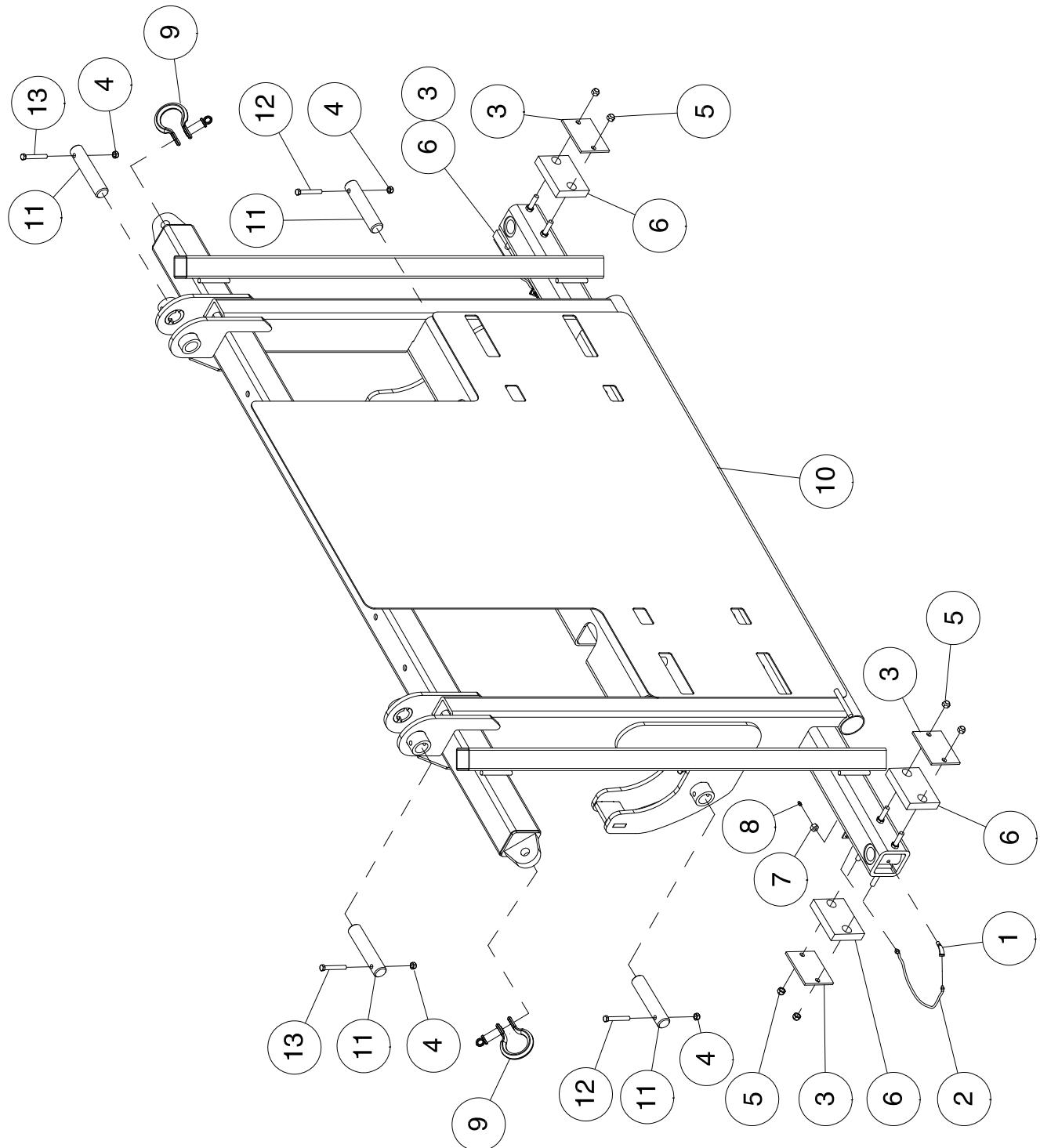
**4SR PLUS and 12SR PLUS
Bale Skoop Final Assembly**



Bale Skoop Final Assembly

Item	Part No.	Description	Qty
1	K65665	ADR Axle Assembly - See Page 1-18.....	1
2	10032	Loader Cylinder - 3 1/2 x 20 Stroke	2
3	10033	Bed Cylinder - 4 x 36 Stroke	2
4	10034	LH Alignment Cylinder - 3 1/4 x 8 Stroke.....	1
5	10035	RH Alignment Cylinder - 3 1/2 x 8 Stroke	1
6	10302	Nylon Insert Locknut - 7/16	14
7	K64700	Bed - See Page 1-10.....	1
8	12302	Hitch Cylinder - 3 x 14 Stroke	1
9	12474	Main Frame - See Page 1-12 to 1-15.....	1
10	K64570	Loader - 12SR PLUS	1
11	12519	Pin - Bed Cylinder - 1 1/2 Dia x 6 UL.....	10
12	12520	Pin - Alignment Arm - 1 1/2 Dia x 7 1/4 UL.....	4
13	12525	LH Medium Alignment Arm Assembly - 12SR PLUS - See Page 1-9.....	1
	12527	LH Short Alignment Arm - HD4SR - See Page 1-8.....	1
14	12526	RH Medium Alignment Arm Assembly - 12SR PLUS - See Page 1-9.....	1
	12528	RH Short Alignment Arm - HD4SR - See Page 1-8.....	1
15	K42480	Hitch Beam Assembly - See Page 1-16.....	1
16	K65076	LH Grab Hook Assembly - 12SR PLUS - See Page 1-6.....	1
17	K65075	RH Grab Hook Assembly - 12SR PLUS - See Page 1-6	1
18	D-5251	Hex Bolt - 7/16 x 3 Lg	14
19	K42468	Cylinder Assembly W/Bushings - 2 1/2 x 16 Stroke - 12SR PLUS	1
	12039	Grommet - Inserts Into Light Bar (Not Shown).....	2
	10248	Slip Coat	1
W-4647		Red Paint	1
	10359	Warning Light Assembly	1
		Operators Manual - HD4SR and 12SR PLUS	1
		Assembly Manual - HD4SR and 12SR PLUS	1

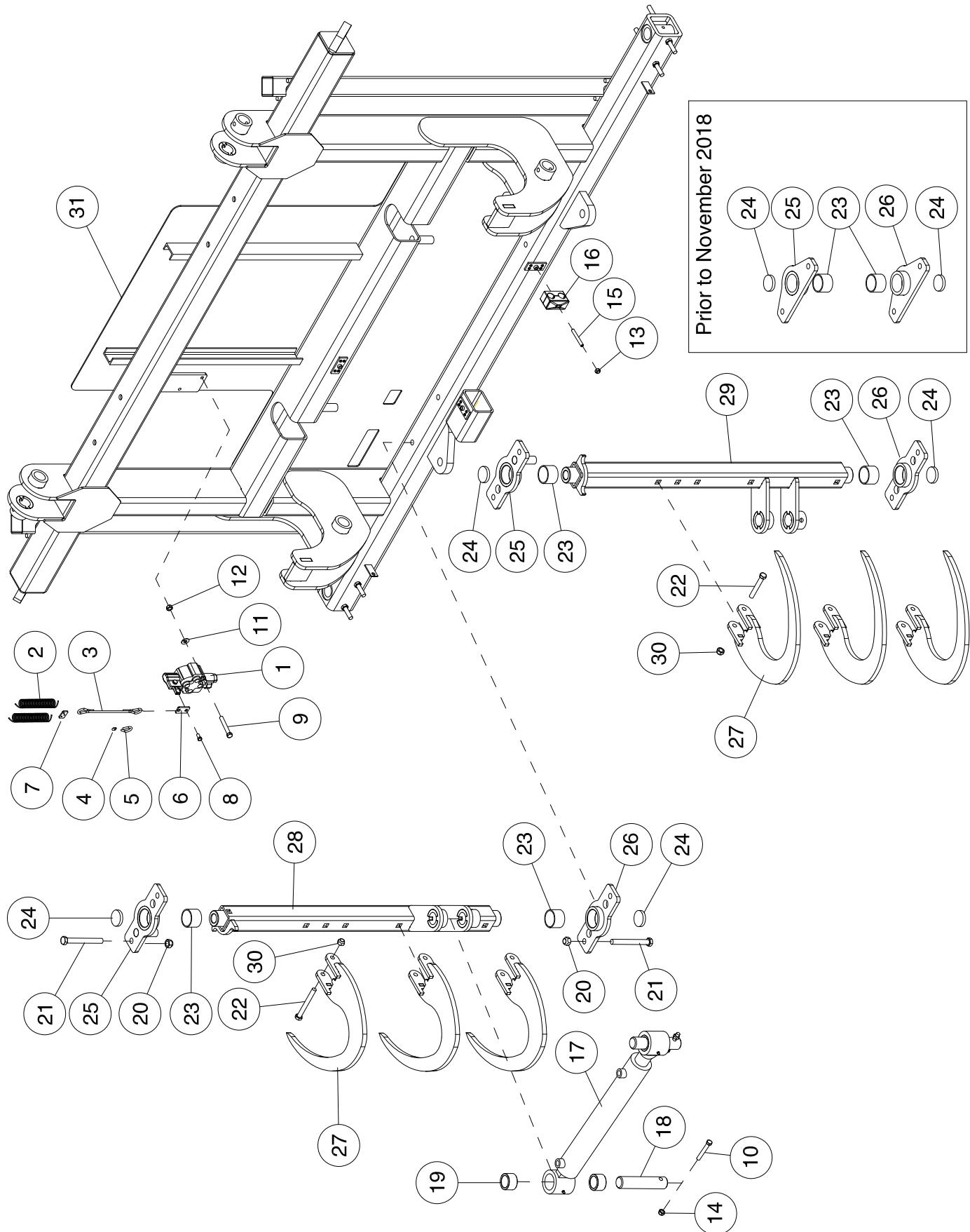
4SR PLUS and 12SR PLUS Loader Assembly



Loader Assembly

Item	Part No.	Description	Qty
1	10173	Street Grease Elbow - NPTF 45	2
2	10183	Remote Grease Hose - 1/8 x 12 Lg	2
3	10104	Plate - Alignment Slider	4
4	10302	Locknut - 7/16 Nylon Insert	4
5	F-3405	Locknut - 1/2 Nylon Insert	8
6	10351	Slider - Alignment Arm.....	4
7	10227	3/8 - Grease Hose Jam Nut	2
8	S-752	Grease Fitting - 1/4	2
9	10827	Round Pin Shackle - 3/4	2
10	K64570	Loader - 12SR PLUS	1
11	12519	Pin - Bed Cylinder - 1 1/2 x 7	4
13	D-5251	Hex Bolt - 7/16 x 3 Lg	4

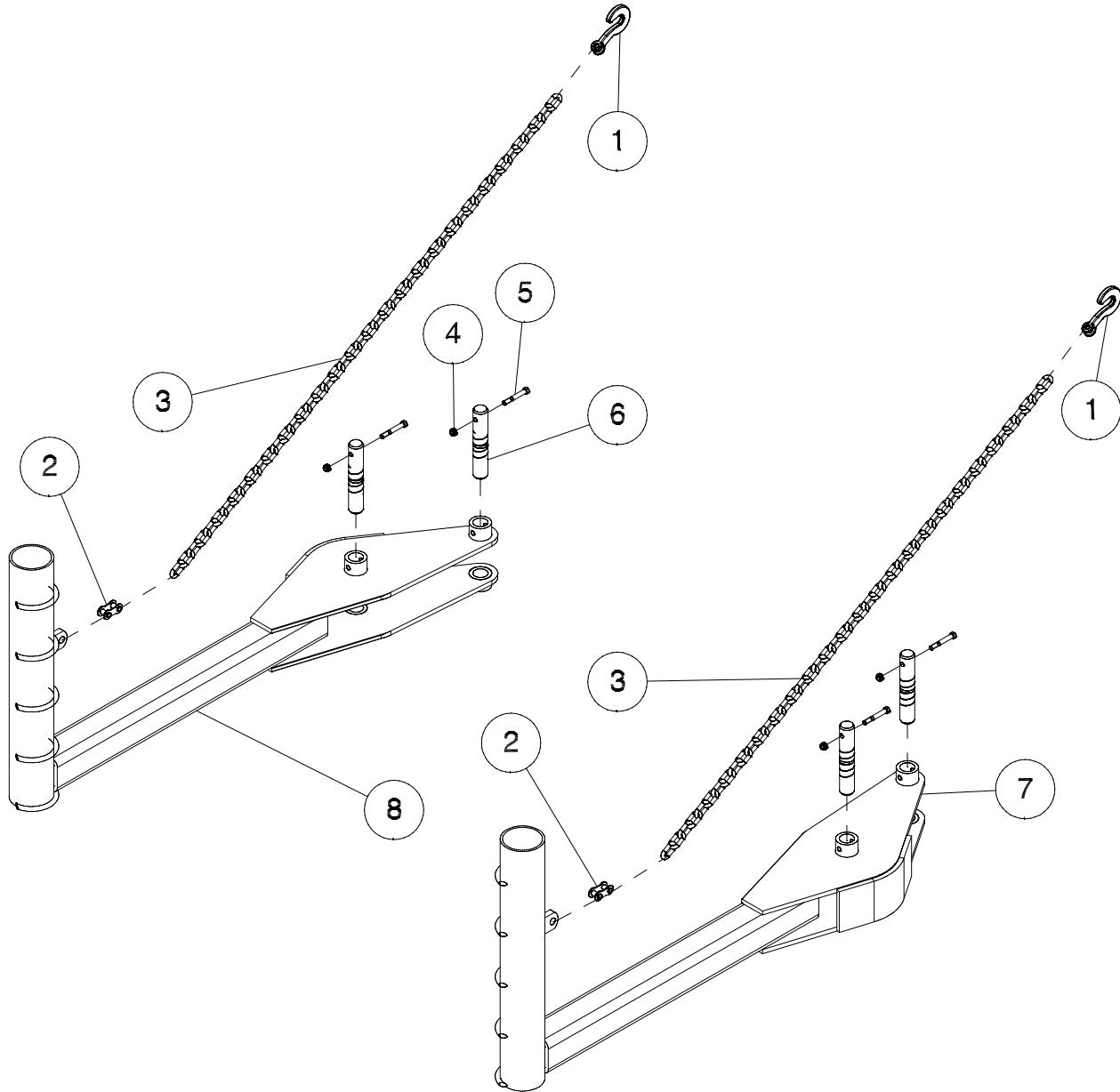
4SR PLUS and 12SR PLUS
12SR PLUS - Grab Hook Assembly



12SR PLUS - Grab Hook Assembly

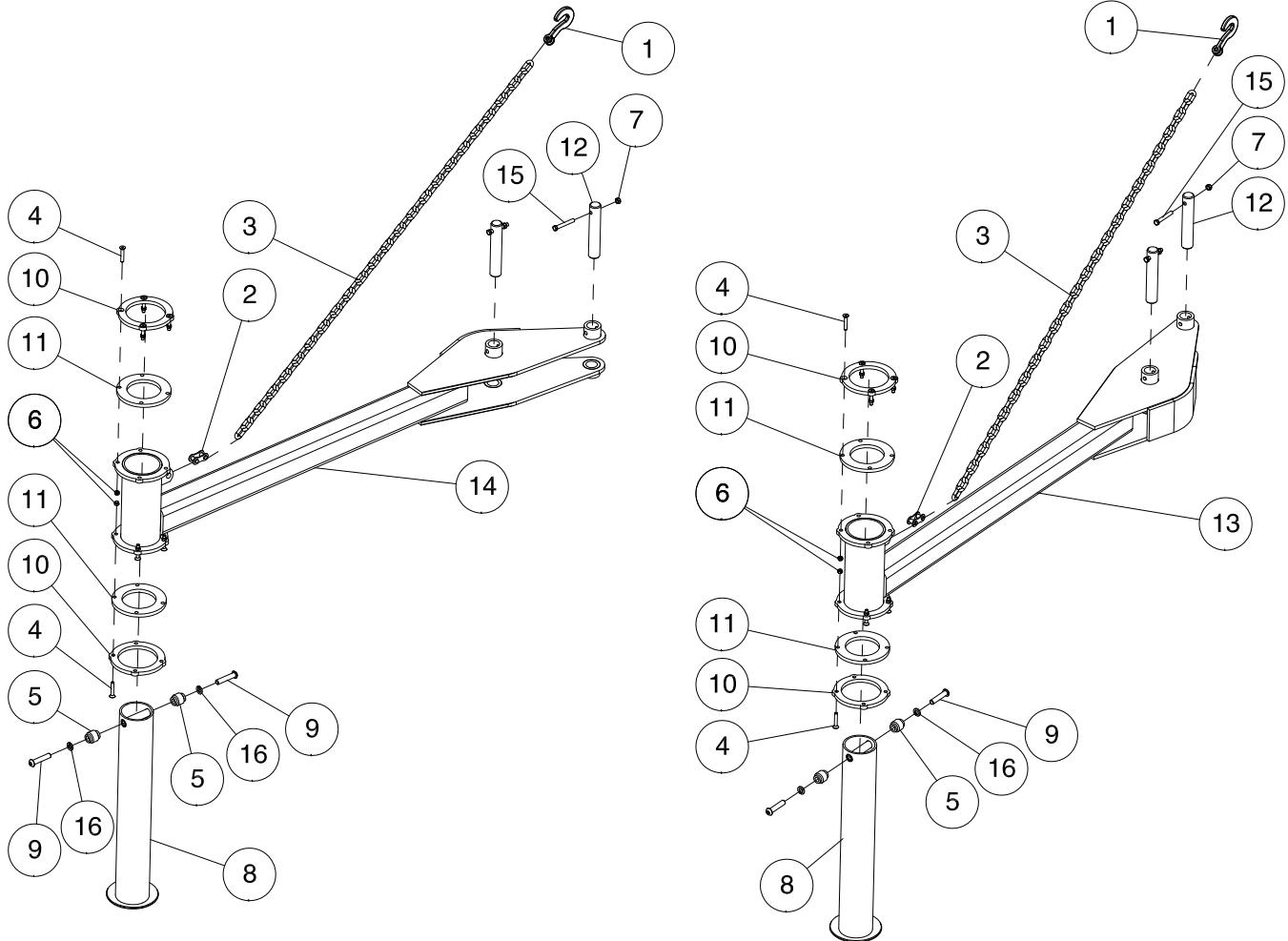
Item	Part No.	Description	Qty
1	K53973	Directional Valve.....	1
2	10845	Spring - 3/4 x 5 3/4.....	2
3	K53993	Pull Cable.....	1
4	K42389	Oval Sleeve - 0.062 Diameter	4
5	K42390	Thimble	2
6	K53980	Plate - Valve Link.....	1
7	K53987	Plate - Spring Link.....	1
8	K53981	Hex Bolt - M8 x 25 mm Lg.....	1
9	S-1302	Hex Bolt - 5/16 x 2 1/2 Lg	2
10	D-5251	Hex Bolt - 7/16 x 3 Lg	2
11	W-522	Lockwasher - 5/16.....	2
12	W-513	Hex Nut - 5/16	2
13	10231	Locknut - 5/16 Nylon Insert	3
14	10302	Locknut - 7/16 Nylon Insert.....	2
15	10811	Set Screw - 5/16 x 2 1/2 Lg.....	3
16	11740	Plastic Hose Clamps - 13/16.....	3
17	K42468	Cylinder Assembly W/Bushings - 2 1/2 x 16 Stroke	1
18	12519	Pin - Bed Cylinder - 1 1/2 x 7	2
19	K44008	Bushing - Cylinder Pivot.....	4
20	S-1197	Locknut - 5/8 Nylon Insert	8
21	S-1344	Hex Bolt - 5/8 x 5 1/2 Lg	8
22	W-495	Hex Bolt - 1/2 x 4 Lg	6
23	K65104	Q2 Bushing - 2 ID x 2 1/4 OD x 1 1/4 Lg	4
24	K65047	Thrust Washer - 2 Dia x 1/4 Thick.....	4
25	K66041	Upper Grab Hook Mount.....	2
	K64605	Spindle Mount - Prior to November 2018.....	2
26	K66022	Lower Grab Hook Mount.....	2
	K64605	Spindle Mount - Prior to November 2018.....	2
27	K64608	Grab Hook.....	6
28	K64602	Grab Hook Spindle - Left	1
29	K64705	Grab Hook Spindle - Right	1
30	C26701	Locknut - 1/2 Nylon Insert.....	6
31	K64570	Loader - 12SR PLUS	1
	K65076	Left Grab Hook Assembly (Includes item 20 to 27 and 28)	
	K65075	Right Grab Hook Assembly (Includes item 20 to 27 and 29)	

4SR PLUS
4SR PLUS - Short Alignment Arm Assembly



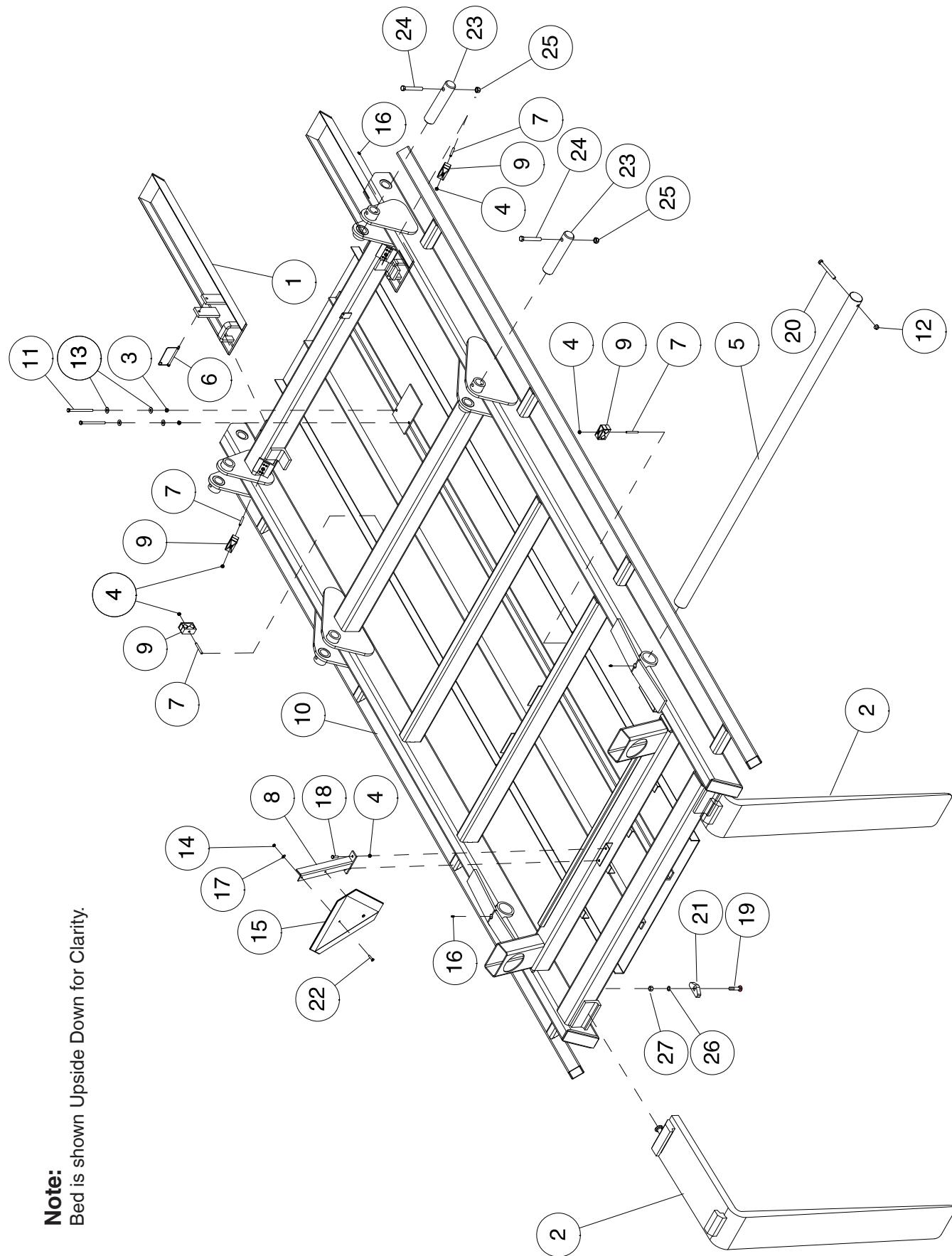
Item	Part No.	Description	Qty
1	10662	3/8 Chain Locking Grab Hook.....	2
2	10677	7/16 - 1/2 Twin Clevis	2
3	10750	Chain - 75 Lg - Grade 70 (Includes Item 1)	2
4	10302	Locknut - 7/16 Nylon Insert	4
5	D-5251	Hex Bolt - 7/16 x 3	4
6	12520	Pin - 1 1/2 x 8 1/4.....	4
7	12527	LH Short Alignment Arm	1
8	12528	RH Short Alignment Arm	1

HD12SR PLUS
12SR PLUS - Medium Alignment Arm Assembly



Item	Part No.	Description	Qty
1	10662	Chain Locking Grab Hook - 3/8.....	2
2	10677	Twin Clevis - 7/16 x 1/2	2
3	10750	Chain - 75 Lg - Grade 70 (Includes Item 1)	2
4	W14501	Carriage Bolt - 3/8 x 2 1/4.....	16
5	10076	Rubber Roller Bushing - 5/8 x 2.....	4
6	10229	Nylon Insert Locknut - 3/8	16
7	10302	Nylon Insert Locknut - 7/16	4
8	10400	Foot Slider.....	2
9	C-3016	Hex Bolt - 5/8 x 3	4
10	10841	Bearing Plate	4
11	10846	Foot Slider Bearing	4
12	12520	Pin - 1 1/2 x 8 1/4.....	4
13	12525	LH Medium Alignment Arm.....	1
14	12526	RH Medium Alignment Arm	1
15	D-5251	Hex Bolt - 7/16 x 3 Lg	4
16	W-526	Lockwasher - 5/8.....	4

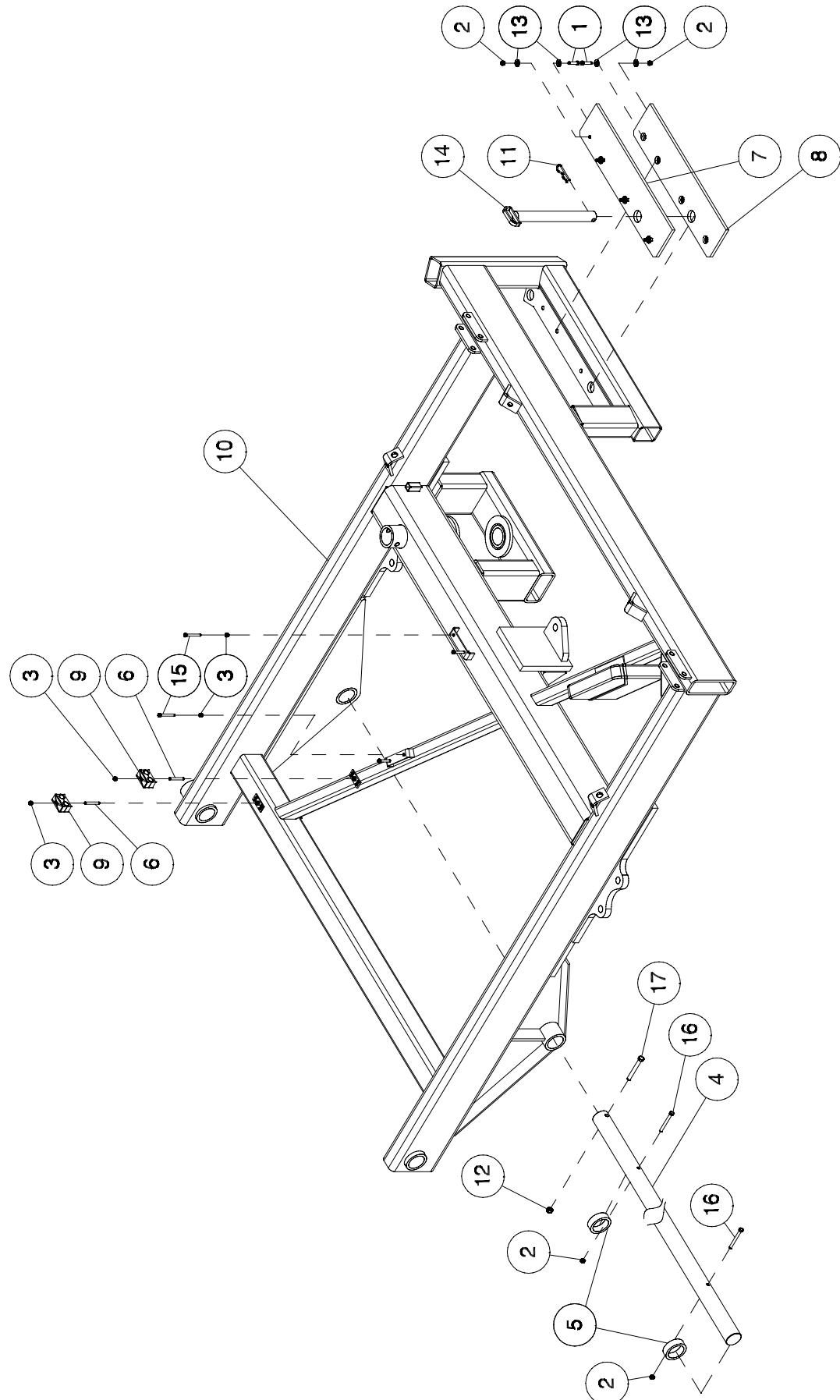
4SR PLUS and 12SR PLUS Bed Assembly



Bed Assembly

Item	Part No.	Description	Qty
1	10130	Bed Extensions	2
2	10163	Forklift Tooth - 8 x 48	2
3	10229	Locknut - 3/8 Nylon Insert	2
4	10231	Locknut - 5/16 Nylon Insert	6
5	10260	Bed Pivot Shaft	1
6	10414	Snap Lock Pins - 5/16 x 4 UL	2
7	10811	Set Screw - 5/16 x 2 1/2 Lg.....	4
8	11132	Bracket - SMV Sign.....	1
9	11740	Plastic Hose Clamp - 13/16	4
10	K64700	Bed - 12SR PLUS.....	1
11	10063	Hex Bolt - 3/8 x 5 Lg GR8	2
12	F-3405	Locknut - 1/2 Nylon Insert	3
13	W-538	Washer - 13/32 ID x 1 OD x 16 Ga	4
14	10233	Locknut - 1/4 Nylon Insert	2
15	N34475	Slow Moving Vehicle Emblem	1
16	S-752	Grease Zerk - 1/4 Straight	4
17	S-1198	Washer - 5/16 ID x 3/4 OD x 0.065.....	2
18	W-471	Hex Bolt - 5/16 x 1 Lg	2
19	C33957	Bolt Carriage Head - 3/4 x 3 Lg	2
20	K25798	Hex Bolt - 1/2 x 4 Lg GR8	1
21	K45683	Fork Retainer Block.....	2
22	W-1552	Hex Bolt - 1/4 x 1 Lg	2
23	12519	Pin - Bed Cylinder - 1 1/2 x 7	4
24	D-5251	Hex Bolt - 7/16 x 3 Lg	4
25	10302	Locknut - 7/16 Nylon Insert	4
26	W-527	Lockwasher - 3/4.....	2
27	W-518	Hex Nut - 3/4 GR5	2

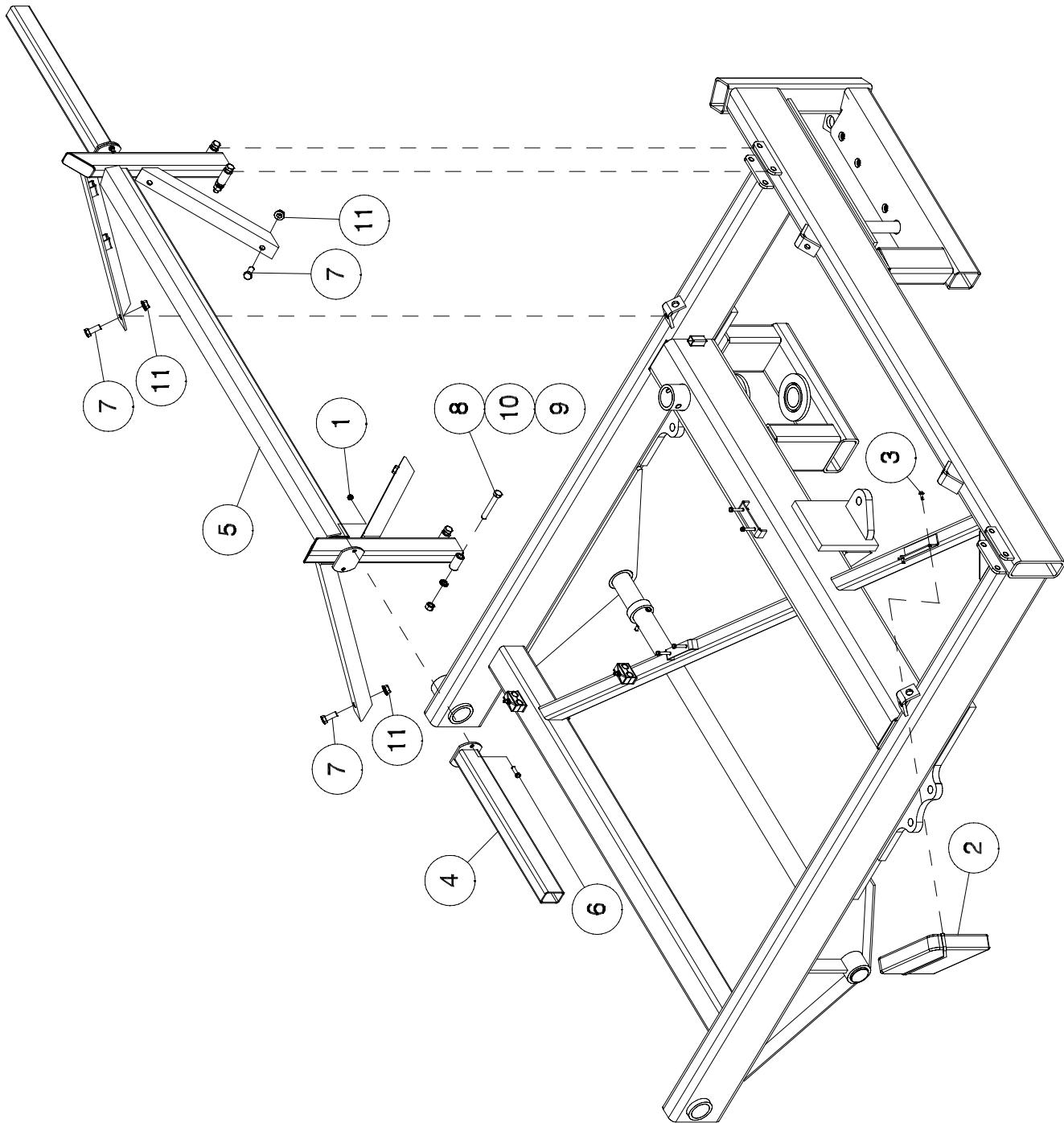
4SR PLUS and 12SR PLUS Frame Assembly



Frame Assembly

Item	Part No.	Description	Qty
1	W-477	Bolt Hex Head - 3/8 x 1 1/12 Lg.....	8
2	10229	Nylon Insert Locknut - 3/8	10
3	10231	Nylon Insert Locknut - 5/16	6
4	10258	Hoist Shaft	1
5	10308	Hoist Spacer - 3 1/4 OD x .375W.....	2
6	10811	Set Screw - 5/16 x 2 1/2 Lg.....	2
7	11123	Slider Pad - Upper.....	1
8	11124	Slider Pad - Lower.....	1
9	11740	Plastic Hose Clamp Assembly - 13/16.....	2
10	12474	Main Frame	1
11	BW-11	Hairpin - 3/16	1
12	F-3405	Locknut - 1/2 Nylon Insert	2
13	W-538	Washer - 13/32 ID x 1 OD x 16 Ga	16
14	K42477	Hitch Safety Pin - 1 1/2 x 13 1/2 UL.....	1
15	S-1302	Hex Bolt - 5/16 x 2 1/2 Lg	4
16	10813	Hex Bolt - 3/8 x 3 1/2 Lg GR8.....	2
17	K25798	Hex Bolt - 1/2 x 4 Lg GR8	2

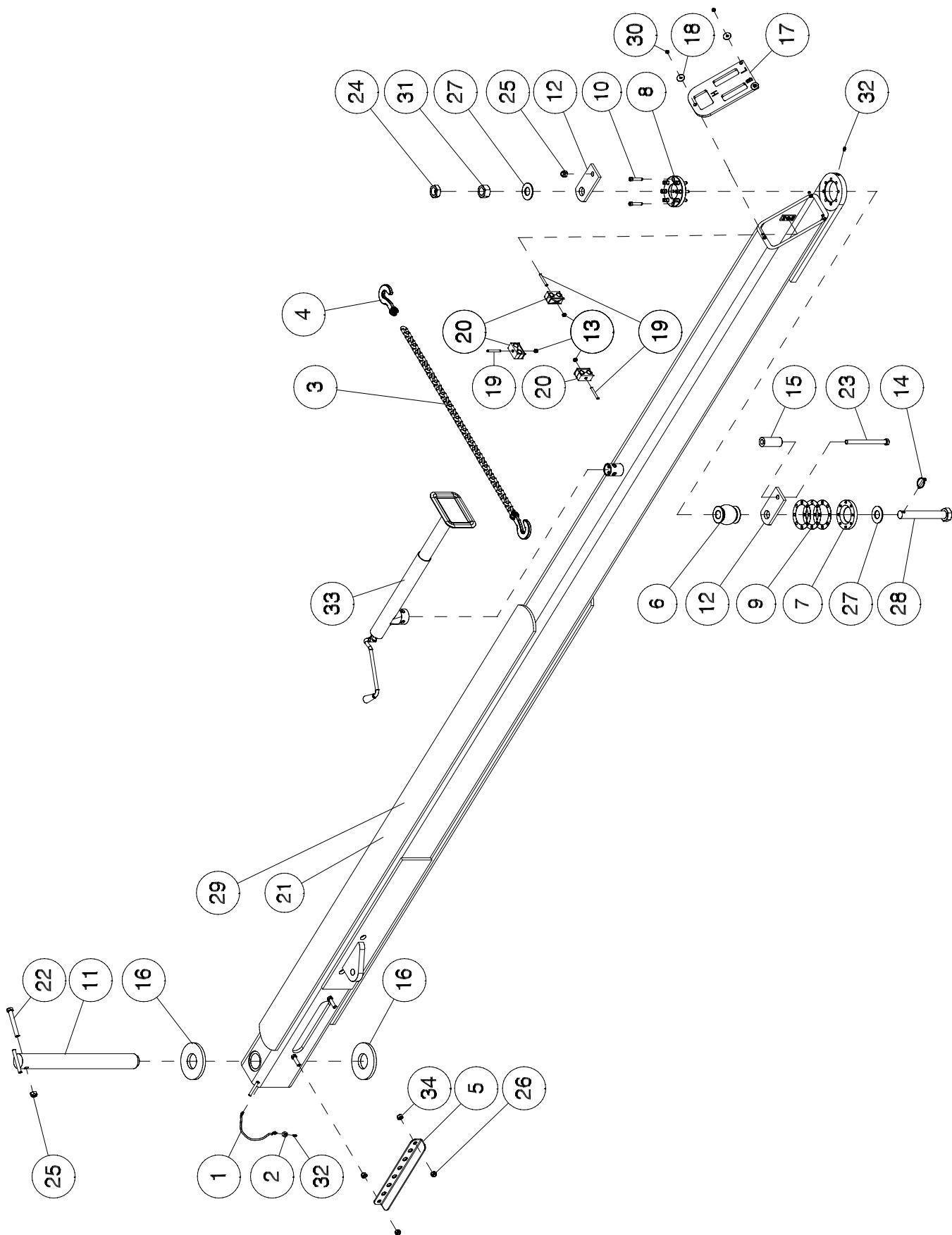
4SR PLUS and 12SR PLUS
Bed Rest Assembly



Bed Rest

Item	Part No.	Description	Qty
1	10229	Locknut - 3/8 Nylon Insert.....	14
2	10295	Manual Box	1
3	10297	Screw - 1/4 - 20 x 3/4	2
4	11129	Light Bar.....	2
5	K42475	Frame - Bed Rest.....	1
6	W-477	Hex Bolt - 3/8 x 1 1/2 Lg	4
7	W-497	Hex Bolt - 5/8 x 1 1/2 Lg	4
8	W-504	Hex Bolt - 5/8 x 4 Lg	4
9	W-517	Hex Nut - 5/8	4
10	W-526	Lockwasher - 5/8.....	4
11	W14434	Locknut - 5/8 Flange	4

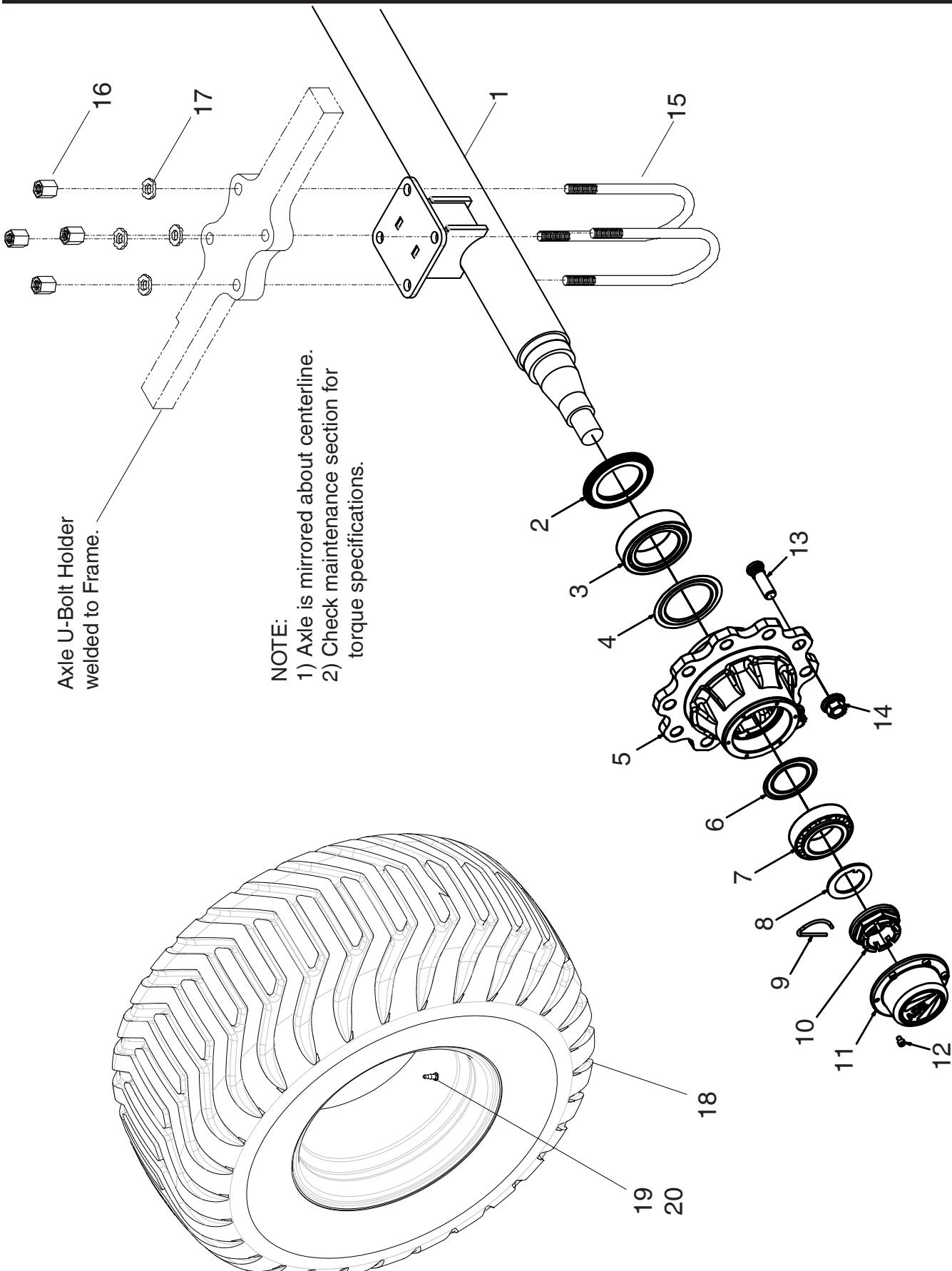
4SR PLUS and 12SR PLUS Hitch Assembly



Hitch Assembly

Item	Part No.	Description	Qty
1	10183	Remote Grease Hose - 1/8 x 12	1
2	10227	Grease Hose Jam Nut - 3/8	1
3	10369	Chain - 3/8 x 8 Foot	1
4	10662	3/8 Chain Locking Grab Hook.....	2
5	10025	Hitch Hose Manifold.....	1
6	10049	Hitch Ball.....	1
7	10050	Ring Hitch Lower.....	1
8	10051	Ring Hitch Upper.....	1
9	10052	Ball Hitch Shim (Shim as required)	6
10	10069	Allen Head Cap Screw Plain - 3/8 x 2 GR 8	8
11	10129	Pin - Hitch Pivot	1
12	10142	Plate - Draw Bar Hitch.....	2
13	10231	Locknut - 5/16 Nylon Insert	3
14	10247	Klik Pin W/Chain & Cotter Pin.....	1
15	10313	Spacer Bushing - 1 1/2 OD x .375W	1
16	10352	Washer - Hitch Pivot	2
17	10354	End Cap - Hitch.....	1
18	10364	Washer - 9/32 ID x 1 1/4 OD x 16Ga	3
19	10811	Set Screw - 5/16 x 2 1/2 Lg.....	3
20	11740	Plastic Hose Clamp Assembly	3
21	12529	Hitch Beam	1
22	10816	Hex Bolt - 5/8 x 5 Lg GR8	1
23	10066	Hex Bolt - 5/8 x 8 Lg GR8	1
24	C15768	Hex Jam Nut - 1 1/4	1
25	10230	Locknut - 5/8 Nylon Insert	2
26	F-3405	Locknut - 1/2 Nylon Insert	2
27	10682	Washer - 1 5/16 ID x 2 3/4 OD x 8 Ga	2
28	K45448	Hitch Bolt - 1 1/4 x 9 Lg.....	1
29	K42480	Assembly - Hitch Beam W/Ball Clevis.....	1
30	10233	Locknut - 1/4 Nylon Insert.....	3
31	P61D20	Hex Nut - 1 1/4	1
32	S-752	Straight Grease Zerk - 1/4	2
33	S39391	Top Wind Jack - 2000 Lb.....	1
34	W-516	Hex Nut - 1/2	2
35	D-4838	Tie Strap - 14 1/2 Lg (Not Shown)	2

4SR PLUS and 12SR PLUS Tire and ADR Axle Assembly



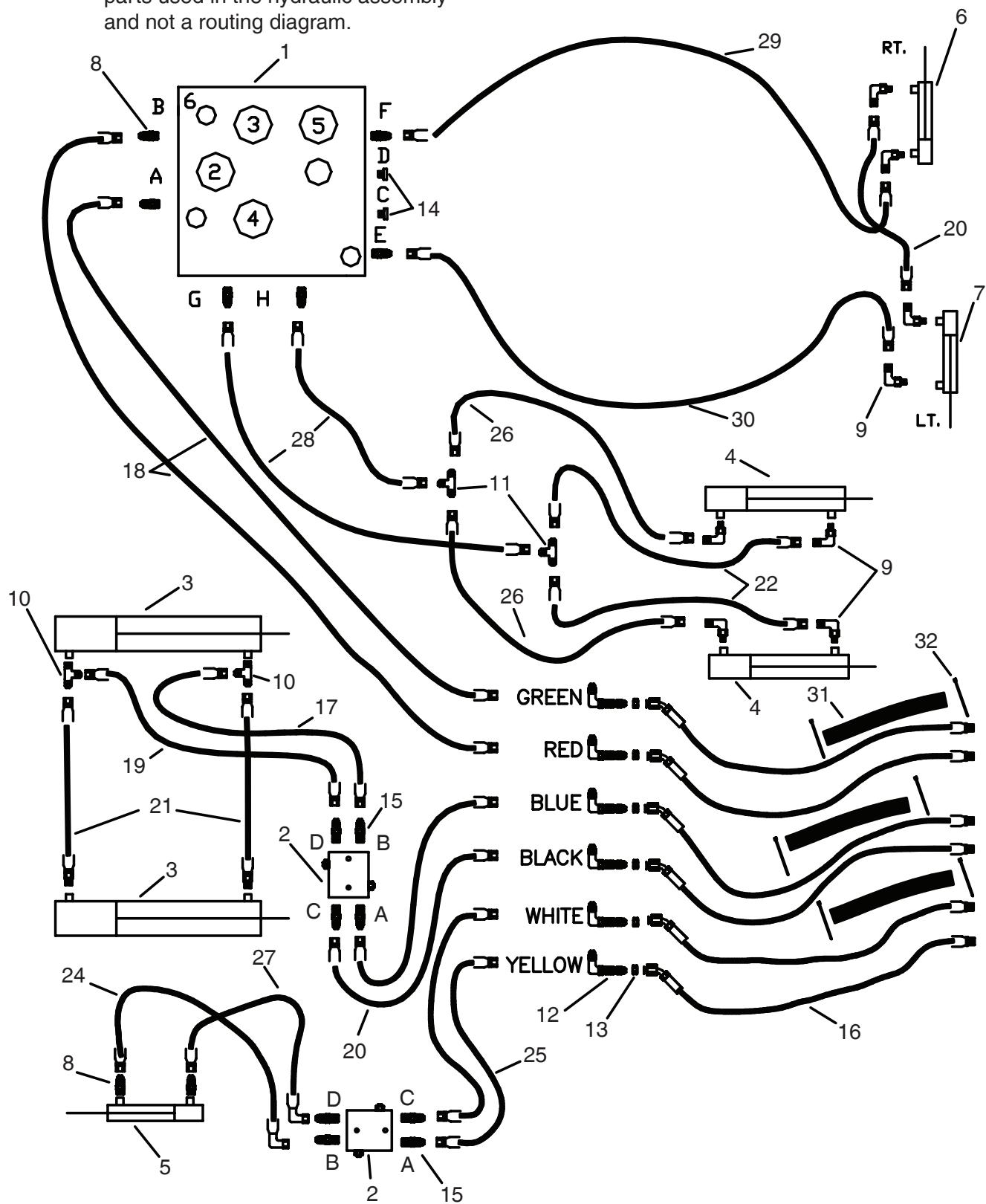
Tire and ADR Axle Assembly

Item	Part No.	Description	Qty
		* Quantities Listed Are For One Machine	
1	K65665	ADR Axle Assembly - 112 Lg (Includes Items 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 & 14).	1
2	K65166	Grease Seal (5441402).....	2
3	K65167	Inside Bearing (59133018).....	2
4	K65168	NILOS for Bearing K65167 (5511402).....	2
5	K65169	Hub - H10 (61LZUA002)	2
6	K65170	NILOS Grease Seal (5531092).....	2
7	K65171	Outside Bearing (59133114).....	2
8	K65172	Lock Washer for M58 (57B5801)	2
9	K65173	Spring Pin for M58 (58212).....	2
10	K65174	Crown Nut - M58 x 1.50 WR80 H38 (57558B1).....	2
11	K65175	Cap with Gasket (56112518)	2
12	K65176	Socket Head Screw (96308A0101).....	12
13	K65177	Wheel Stud - M22 x 1.50 L077 (57122B2) GR 10.9	20
14	K65178	Flange Wheel Nut - M22 x 1.5 WR32 - GR 10 (26mm Height) (57322B3)	20
15	10077	7/8 x 12 - 5 Round U-Bolt - Plain	4
16	10234	7/8 Heavy Duty High Plain Nut	8
17	10041	7/8 Heavy Duty Washer	8
18	K56777	Tire - 600/50-22.5 - 16-Ply - TVS Eurogrip	2
19	S64947	Rim - 20 x 22.5 - 10 Bolt (Includes Item 20)	2
20	N13968	Valve Stem.....	2

Note: ADR part numbers included in brackets for Items 2 through 14

4SR PLUS and 12SR PLUS 4SR PLUS Hydraulic Hose Schematic

Note: This is a representation of the parts used in the hydraulic assembly and not a routing diagram.

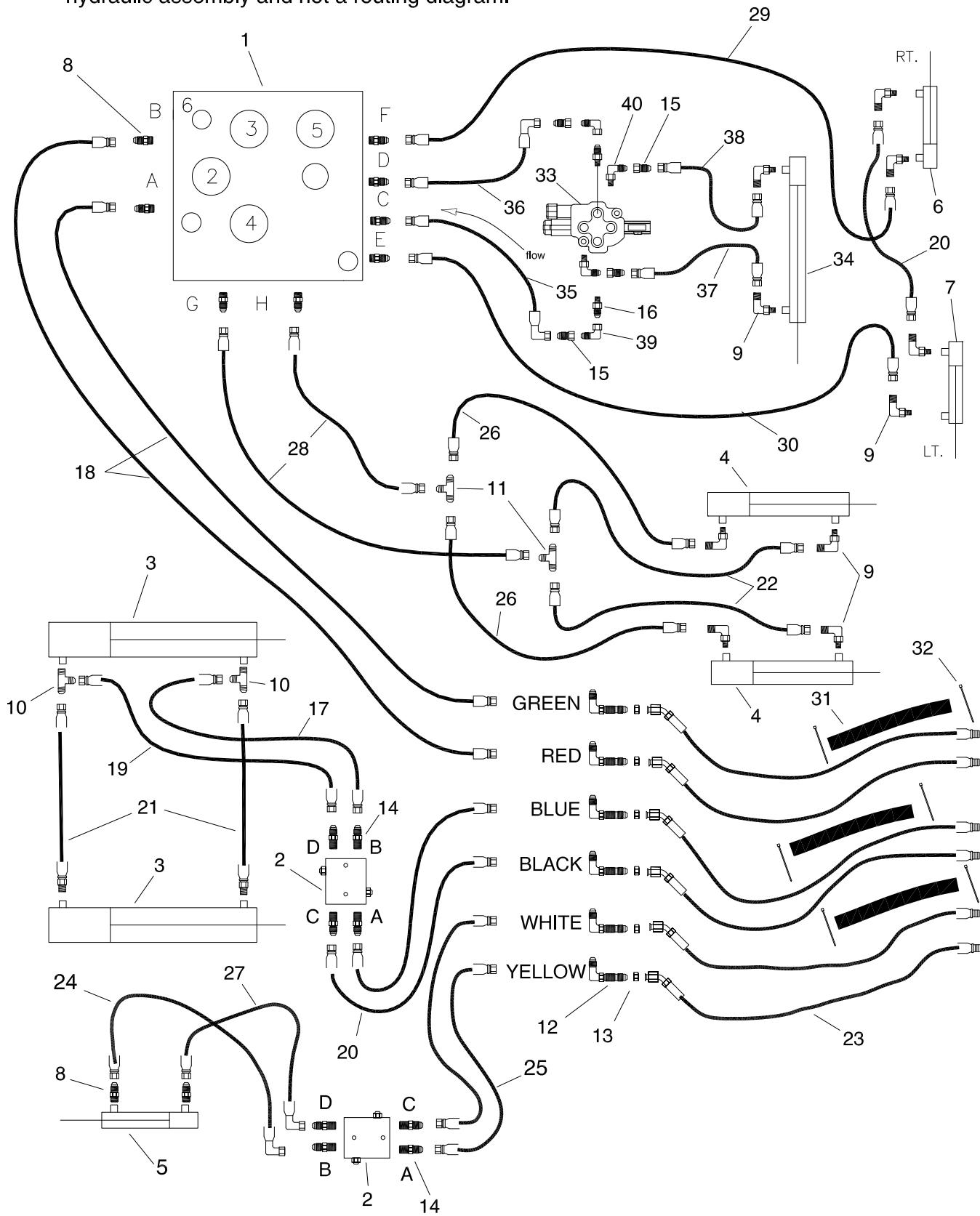


4SR PLUS Hydraulic Hose Schematic

Item	Part No.	Description	Qty
1	K56756	Manifold Valve	1
	K44257	Manifold Block - D3403C SI	
	K44258	Cavity Plug - #XBOA-XXN - PORT 2 (K60255 Seal Kit)	
	K44259	Sequence Valve - #SCEA-LAN - PORT 3 (K60255 Seal Kit)	
	K44260	Counterbalance Valve -#CBEA-LHN - PORT 4 (K60255 Seal Kit)	
	K44261	Sequence Valve - #RSFC-LAN - PORT 5 (K60255 Seal Kit)	
	K44262	Check Valve - #CXCD-XZN - PORT 6 (K60256 Seal Kit)	
2	11723	Cushion Valve - 2000 PSI	2
3	10033	Bed Cylinder	2
4	10032	Loader Cylinder.....	2
5	12302	Hitch Cylinder.....	1
6	10035	RH Alignment Cylinder.....	1
7	10034	LH Alignment Cylinder	1
8	10178	Connector - 08 MJIC To 08 MORB - (C15330)	8
9	10180	90 Degree Elbow ORB Adapter	8
10	10187	Tee - 08 ORB To 08 JIC To 08 JIC	2
11	10186	Tee - 08 JIC To 08 JIC To 08 JIC.....	2
12	10181	Bulkhead Fitting - 08 90 Degree	6
13	10171	Bulkhead Fitting Jam Nut - 08.....	6
14	10174	Port Plug - 08 ORB	2
15	10177	Connector - 08 MJIC To 12 MORB	8
16	10168	Hose - 1/2 x 252 Lg - #8 3/4-16 FJIC 45 Degree Swivel x 1/2-14 MNPT	6
17	10083	Hose - 1/2 x 102 Lg - #8 3/4-16 FJIC Swivel	1
18	10086	Hose - 1/2 x 201 Lg - #8 3/4-16 FJIC Swivel	2
19	10675	Hose - 1/2 x 85 Lg - #8 3/4-16 FJIC Swivel	1
20	10865	Hose - 1/2 x 61 Lg - #8 3/4-16 FJIC Swivel	3
21	10085	Hose - 1/2 x 57 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 MORB.....	2
22	10866	Hose - 1/2 x 80 Lg - #8 3/4-16 FJIC Swivel	2
23	C-817	Male Tip - 1/2 FNPT (Not Shown).....	6
24	10081	Hose - 1/2 x 42 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
25	10329	Hose - 1/2 x 40 Lg - #8 3/4-16 FJIC Swivel	2
26	10868	Hose - 1/2 x 88 Lg - #8 3/4-16 FJIC Swivel	2
27	10691	Hose - 1/2 x 36 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
28	10869	Hose - 1/2 x 17 Lg - #8 3/4-16 FJIC Swivel	2
29	10890	Hose - 1/2 x 111 Lg - #8 3/4-16 FJIC Swivel	1
30	10879	Hose - 1/2 x 114 Lg - #8 3/4-16 FJIC Swivel	1
31	10185	Hose Sheathing - 3 ft	3
32	10080	Tie Strap - 11 Lg	6

4SR PLUS and 12SR PLUS 12SR PLUS Hydraulic Hose Schematic

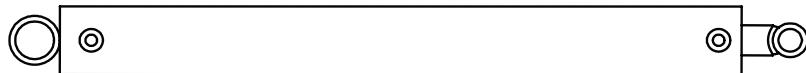
Note: This is a representation of the parts used in the hydraulic assembly and not a routing diagram.



12SR PLUS Hydraulic Hose Schematic

Item	Part No.	Description	Qty
1	K56756	Manifold Valve	1
	K44257	Manifold Block - D3403C SI	
	K44258	Cavity Plug - #XBOA-XXN - PORT 2 (K60255 Seal Kit)	
	K44259	Sequence Valve - #SCEA-LAN - PORT 3 (K60255 Seal Kit)	
	K44260	Counterbalance Valve - #CBEA-LHN - PORT 4 (K60255 Seal Kit)	
	K44261	Sequence Valve - #RSFC-LAN - PORT 5 (K60255 Seal Kit)	
	K44262	Check Valve - #CXCD-XZN - PORT 6 (K60256 Seal Kit)	
2	11723	Cushion Valve - 2000 PSI	2
3	10033	Bed Cylinder	2
4	10032	Loader Cylinder.....	2
5	12302	Hitch Cylinder.....	1
6	10035	RH Alignment Cylinder.....	1
7	10034	LH Alignment Cylinder	1
8	10178	Connector - 08 MJIC To 08 MORB - (C15330)	10
9	10180	90 Degree Elbow - 08 MJIC To 08 MORB (C15317).....	10
10	10187	Tee - 08 MORB To 08 MJIC To 08 MJIC	2
11	10186	Tee - 08 MJIC To 08 MJIC To 08 MJIC (D10819).....	2
12	10181	90 Degree Bulkhead Fitting - 08	6
13	10171	Bulkhead Fitting Jam Nut - 08.....	6
14	10177	Connector - 08 MJIC To 12 MORB	8
15	N37876	Connector - 3/4-16 (#08) MJIC x 9/16-18 (#06) FJIC	4
16	N29358	Connector - 9/16-18 (#06) MJIC x 9/16-18 (#06) MORB	2
17	10083	Hose - 1/2 x 102 Lg - #8 3/4-16 FJIC Swivel	1
18	10086	Hose - 1/2 x 201 Lg - #8 3/4-16 FJIC Swivel	2
19	10675	Hose - 1/2 x 85 Lg - #8 3/4-16 FJIC Swivel	1
20	10865	Hose - 1/2 x 61 Lg - #8 3/4-16 FJIC Swivel	3
21	10085	Hose - 1/2 x 57 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 MORB.....	2
22	10866	Hose - 1/2 x 80 Lg - #8 3/4-16 FJIC Swivel	2
23	10168	Hose - 1/2 x 252 Lg - #8 3/4-16 FJIC 45 Degree Swivel x 1/2-14 MNPT	6
24	10081	Hose - 1/2 x 42 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
25	10329	Hose - 1/2 x 40 Lg - #8 3/4-16 FJIC Swivel	2
26	10868	Hose - 1/2 x 88 Lg - #8 3/4-16 FJIC Swivel	2
27	10691	Hose - 1/2 x 36 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
28	10869	Hose - 1/2 x 17 Lg - #8 3/4-16 FJIC Swivel	2
29	10890	Hose - 1/2 x 111 Lg - #8 3/4-16 FJIC Swivel	1
30	10879	Hose - 1/2 x 114 Lg - #8 3/4-16 FJIC Swivel	1
31	10185	Hose Sheathing - 3 ft	3
32	10080	Zip-Tie - 11 Lg.....	6
33	K53973	Directional Control Valve - Grab Hook	1
34	12166	Grab Hook Cylinder	1
35	10874	Hose - 1/2 x 48 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
36	12244	Hose - 1/2 x 51 Lg - #8 3/4-16 FJIC Swivel x #8 3/4-16 FJIC 90 Degree Swivel.....	1
37	10863	Hose - 1/2 x 35 Lg - #8 3/4-16 FJIC Swivel	1
38	10329	Hose - 1/2 x 40 Lg - #8 3/4-16 FJIC Swivel	1
39	S29967	90 Elbow - Swivel - 9/16-18 (#06) FJIC x 9/16-18 (#06) MJIC.....	2
40	N16143	90 Elbow - 9/16-18 (#06) MJIC x 9/16-18 (#06) MORB.....	2
41	C-817	Male Tip - 1/2 FNPT (Not Shown)	6

4SR PLUS and 12SR PLUS Cylinder Specification Sheet



Name: Bed Cylinder Part # 10033
Type: Welded Length: 48 $\frac{3}{4}$ "
Bore X Stroke: 4" X 36"
Packing Kit # PMCK-AR-704
Seal Kit # 10990



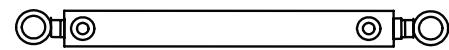
Name: Loader Cylinder Part # 10032
Type: Welded Length: 32 $\frac{7}{8}$ "
Bore X Stroke: 3 $\frac{1}{2}$ " X 20"
Packing Kit # PMCK-AR-703
Seal Kit # 10989



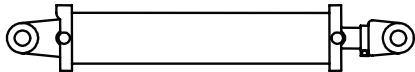
Name: Left Algnmnt Cyl. Part # 10034
Type: Tie-Rod Length: 19 $\frac{5}{8}$ "
Bore X Stroke: 3 $\frac{1}{4}$ " X 8"
Packing Kit # PMCK-AR-705
Seal Kit # 10991



Name: Right Algnmnt Cyl. Part # 10035
Type: Tie-Rod Length: 19 $\frac{5}{8}$ "
Bore X Stroke: 3 $\frac{1}{2}$ " X 8"
Packing Kit # PMCK-AR-706
Seal Kit # 10992



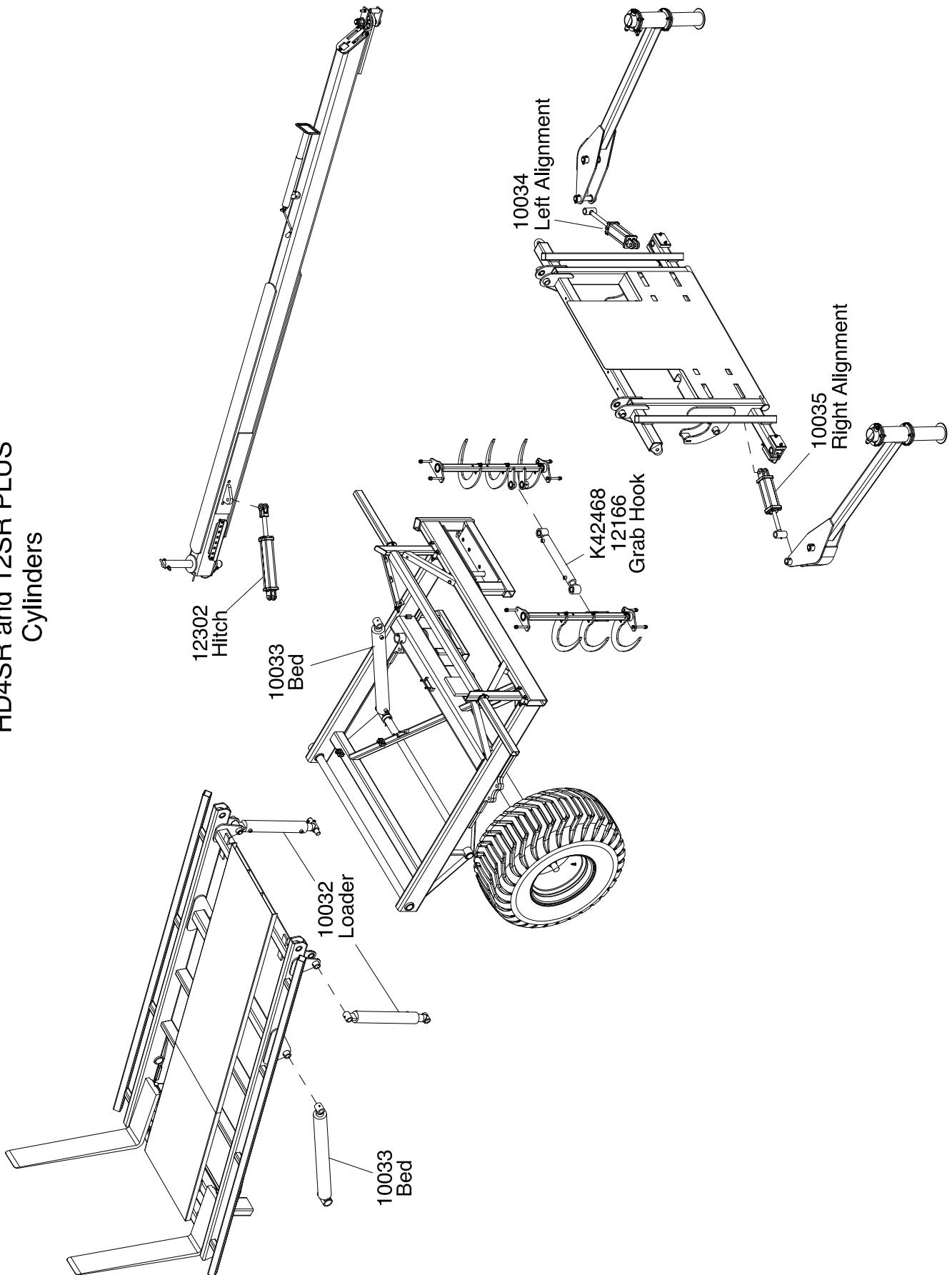
Name: Grab Hook Cyl. Part # 12166
Type: Welded Length: 26 $\frac{3}{4}$ "
Bore X Stroke: 2 $\frac{1}{2}$ " X 16"
Packing Kit # PMCK-AR-707
Seal Kit # 10993



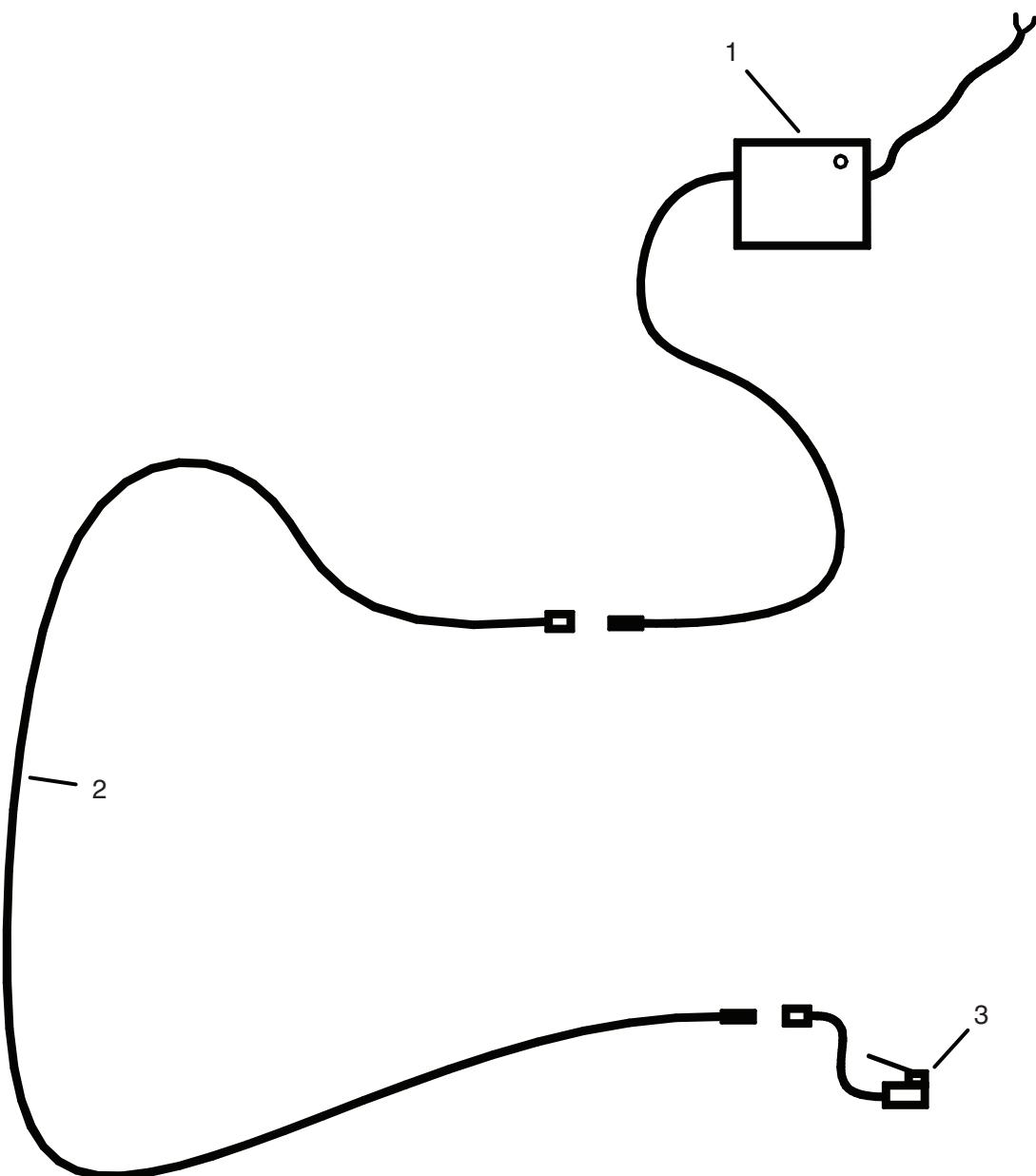
Name: Hitch Cylinder Part # 12302
Type: Tie-Rod Length: 24 $\frac{1}{4}$ "
Bore X Stroke: 3" X 14"
Packing Kit # 12459 / PMCK-SAE-9200 (HD4SR)
Seal Kit # 10988

4SR PLUS and 12SR PLUS Cylinder Specification Sheet

HD4SR and 12SR PLUS Cylinders

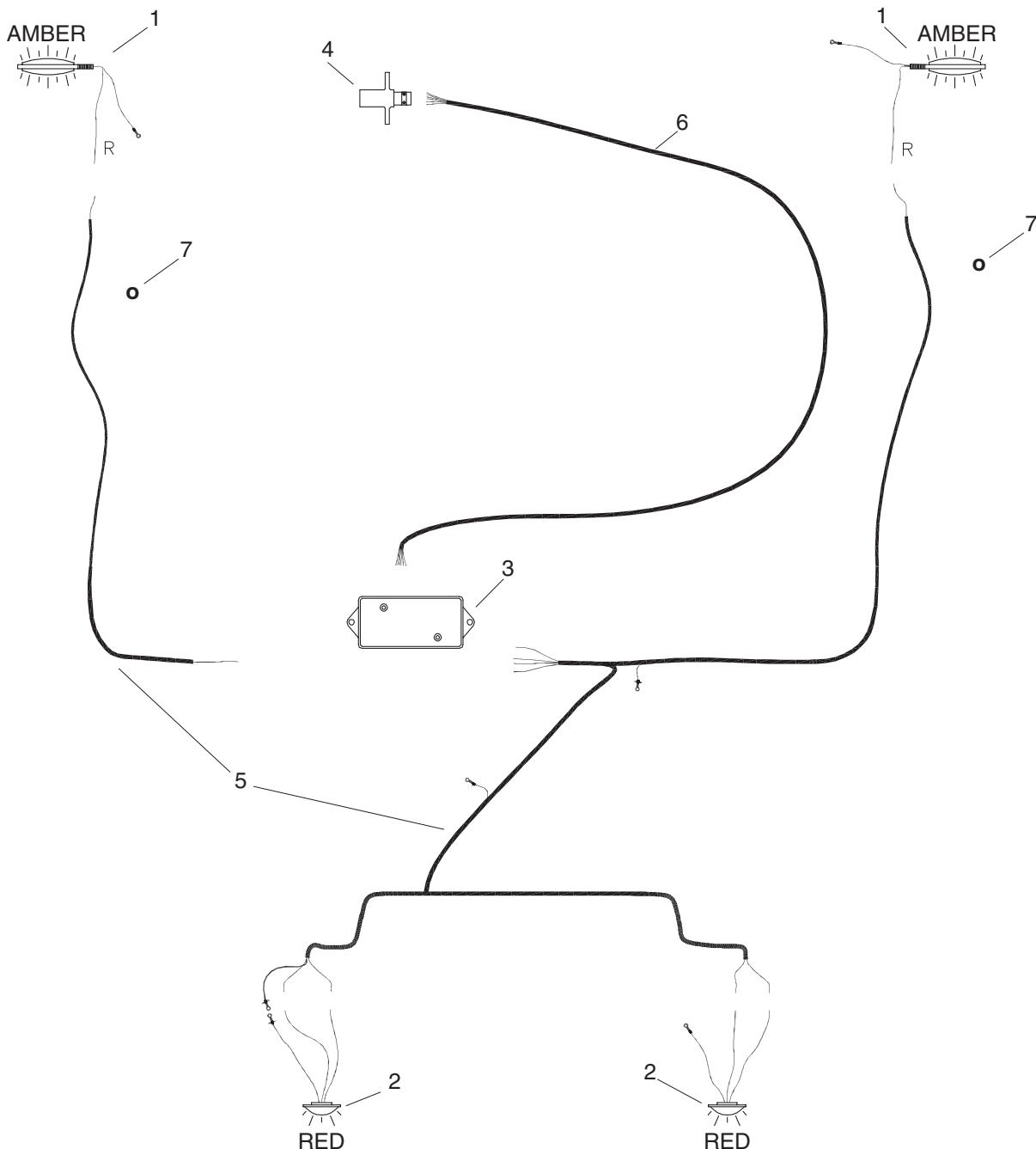


4SR PLUS and 12SR PLUS Electrical Warning Assembly



Item	Part No.	Description	Qty
1	K58936	Warning Light Complete	1
2	K58934	Micro Wire - 24 ft Lg.....	1
3	K58933	Offset Micro Switch.....	1
	K58908	Fuse - 1/10A 250V Fast Acting	

4SR PLUS and 12SR PLUS Electrical Assembly



Item	Part No.	Description	Qty
1	11155	2 Way Amber Lights	2
2	10930	Recessed Red Lights.....	2
3	10897	7 Wire Junction Box	1
4	C32690	7 Pole Plug Connector	1
5	11545	SR Wiring Harness	1
6	10896	Hitch Wire Harness - 324 Lg (Includes item 4)	1
7	12039	Grommet.....	2

Notes

Index

10025 1-17	10354 1-17	12529 1-17	K64700 1-3, 1-11
10032 1-3, 1-21, 1-23, 1-24	10359 1-3	B	K64705 1-7
10033 1-3, 1-21, 1-23, 1-24	10364 1-17	BW-11 1-13	K65047 1-7
10034 1-3, 1-21, 1-23, 1-24	10369 1-17	C	K65075 1-3, 1-7
10035 1-3, 1-21, 1-23, 1-24	10400 1-9	C-817 1-21, 1-23	K65076 1-3, 1-7
10041 1-19	10414 1-11	C-3016 1-9	K65104 1-7
10049 1-17	10662 1-8, 1-9, 1-17	C15768 1-17	K65166 1-19
10050 1-17	10675 1-21, 1-23	C26701 1-7	K65167 1-19
10051 1-17	10677 1-8, 1-9	C32690 1-27	K65168 1-19
10052 1-17	10682 1-17	C33957 1-11	K65169 1-19
10063 1-11	10691 1-21, 1-23	D	K65170 1-19
10066 1-17	10750 1-8, 1-9	D-4838 1-17	K65171 1-19
10069 1-17	10811 1-7, 1-11, 1-13, 1-17	D-5251	K65172 1-19
10076 1-9	10813 1-13	1-3, 1-5, 1-7, 1-8, 1-9, 1-11	K65173 1-19
10077 1-19	10816 1-17	F	K65174 1-19
10080 1-21, 1-23	10827 1-5	F-3405 1-5, 1-11, 1-13, 1-17	K65175 1-19
10081 1-21, 1-23	10841 1-9	K	K65176 1-19
10083 1-21, 1-23	10845 1-7	K25798 1-11, 1-13	K65177 1-19
10085 1-21, 1-23	10846 1-9	K42389 1-7	K65178 1-19
10086 1-21, 1-23	10863 1-23	K42390 1-7	K65665 1-3, 1-19
10104 1-5	10865 1-21, 1-23	K42468 1-3, 1-7	K66022 1-7
10129 1-17	10866 1-21, 1-23	K42475 1-15	K66041 1-7
10130 1-11	10868 1-21, 1-23	K42477 1-13	N
10142 1-17	10869 1-21, 1-23	K42480 1-3, 1-17	N13968 1-19
10163 1-11	10874 1-23	K44008 1-7	N16143 1-23
10168 1-21, 1-23	10879 1-21, 1-23	K44257 1-21, 1-23	N29358 1-23
10171 1-21, 1-23	10890 1-21, 1-23	K44258 1-21, 1-23	N34475 1-11
10173 1-5	10896 1-27	K44268 1-21, 1-23	N37876 1-23
10174 1-21	10897 1-27	K44275 1-15	P
10177 1-21, 1-23	10930 1-27	K44277 1-13	P61D20 1-17
10178 1-21, 1-23	10988 1-24	K44280 1-7	PMCK-AR-703 1-24
10180 1-21, 1-23	10989 1-24	K44285 1-21, 1-23	PMCK-AR-704 1-24
10181 1-21, 1-23	10990 1-24	K44295 1-21, 1-23	PMCK-AR-705 1-24
10183 1-5, 1-17	10991 1-24	K44260 1-21, 1-23	PMCK-AR-706 1-24
10185 1-21, 1-23	10992 1-24	K44261 1-21, 1-23	PMCK-AR-707 1-24
10186 1-21, 1-23	10993 1-24	K44262 1-21, 1-23	PMCK-AR-708 1-24
10187 1-21, 1-23	11123 1-13	K45448 1-17	PMCK-SAE-9200 1-24
10227 1-5, 1-17	11124 1-13	K45683 1-11	S
10229 1-9, 1-11, 1-13, 1-15	11129 1-15	K53973 1-7, 1-23	S-752 1-5, 1-11, 1-17
10230 1-17	11132 1-11	K53980 1-7	S-1197 1-7
10231 1-7, 1-11, 1-13, 1-17	11155 1-27	K53981 1-7	S-1198 1-11
10233 1-11, 1-17	11545 1-27	K53987 1-7	S-1302 1-7, 1-13
10234 1-19	11723 1-21, 1-23	K53993 1-7	S-1344 1-7
10247 1-17	11740 1-7, 1-11, 1-13, 1-17	K56756 1-21, 1-23	S29967 1-23
10248 1-3	12039 1-3, 1-27	K56777 1-19	S39391 1-17
10258 1-13	12166 1-23, 1-24	K58908 1-26	S64947 1-19
10260 1-11	12244 1-23	K58933 1-26	W
10295 1-15	12302 1-3, 1-21, 1-23, 1-24	K58934 1-26	W-471 1-11
10297 1-15	12459 1-24	K58936 1-26	W-477 1-13, 1-15
10302 1-3, 1-5, 1-7, 1-8, 1-9, 1-11	12474 1-3, 1-13	K60255 1-21, 1-23	W-495 1-7
10308 1-13	12519 1-3, 1-5, 1-7, 1-11	K60256 1-21, 1-23	W-497 1-15
10313 1-17	12520 1-3, 1-8, 1-9	K64570 1-3, 1-5, 1-7	W-504 1-15
10329 1-21, 1-23	12525 1-3, 1-9	K64602 1-7	
10351 1-5	12526 1-3, 1-9	K64605 1-7	
10352 1-17	12527 1-3, 1-8	K64608 1-7	
	12528 1-3, 1-8		

W-513 1-7 W-516 1-17 W-517 1-15 W-518 1-11 W-522 1-7 W-526 1-9, 1-15 W-527 1-11 W-538 1-11, 1-13 W-1552 1-11 W-4647 1-3 W14434 1-15 W14501 1-9			
---	--	--	--



CORPORATE OFFICE & TRAINING CENTER
2131 Airport Drive, Saskatoon, SK Canada S7L 7E1
Tel: 306-933-8585 Fax: 306-933-8626
U.S.A. Toll-Free: 866-663-8515
www.morris-industries.com\proag
Questions? email: info@morris-industries.com

It is the policy of ProAG to improve its products whenever it is possible to do so. ProAG reserves the right to make changes or add improvements at any time without incurring any obligation to make such changes on machines sold previously.