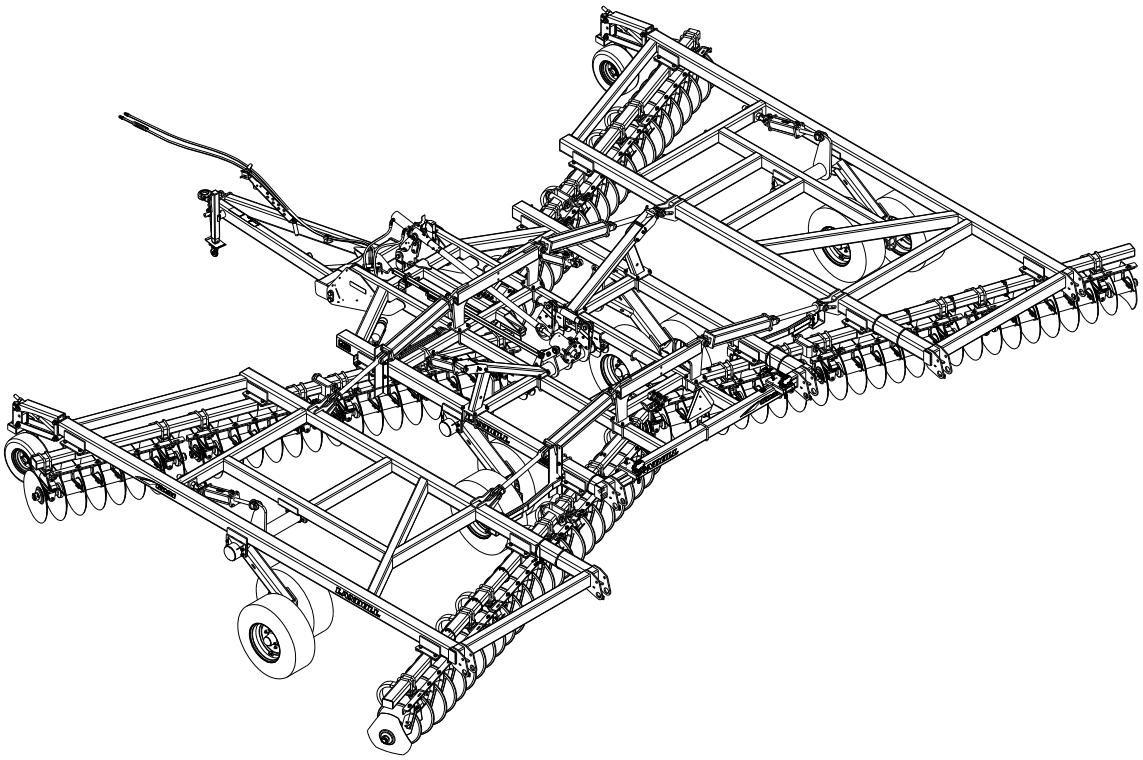
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Model 6231 Disc
Parts Manual



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Manuals for the 6231 Disc	
MANUAL NUMBER	**MANUAL NAME**
F-832	6231 Operator's Manual
F-833	6231 Parts Manual

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Illustrated Parts List

Instructions For Ordering Parts

ORDER PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER

**** Repair parts must be ordered through an Authorized Dealer ****

PHONE NO: 1-800-423-4320 OR 1-785-562-5381 **FAX NO: 888-527-3909**
ORDER ONLINE: Dealer.landoll.com

IDENTIFICATION PLATE

The identification plate, which lists the model number and serial number, is located on the front of the frame **(See Figure 1-1.)**

SERIAL NUMBER NOMENCLATURE

The serial number for the Model 6231 DISC is located on the identification plate.

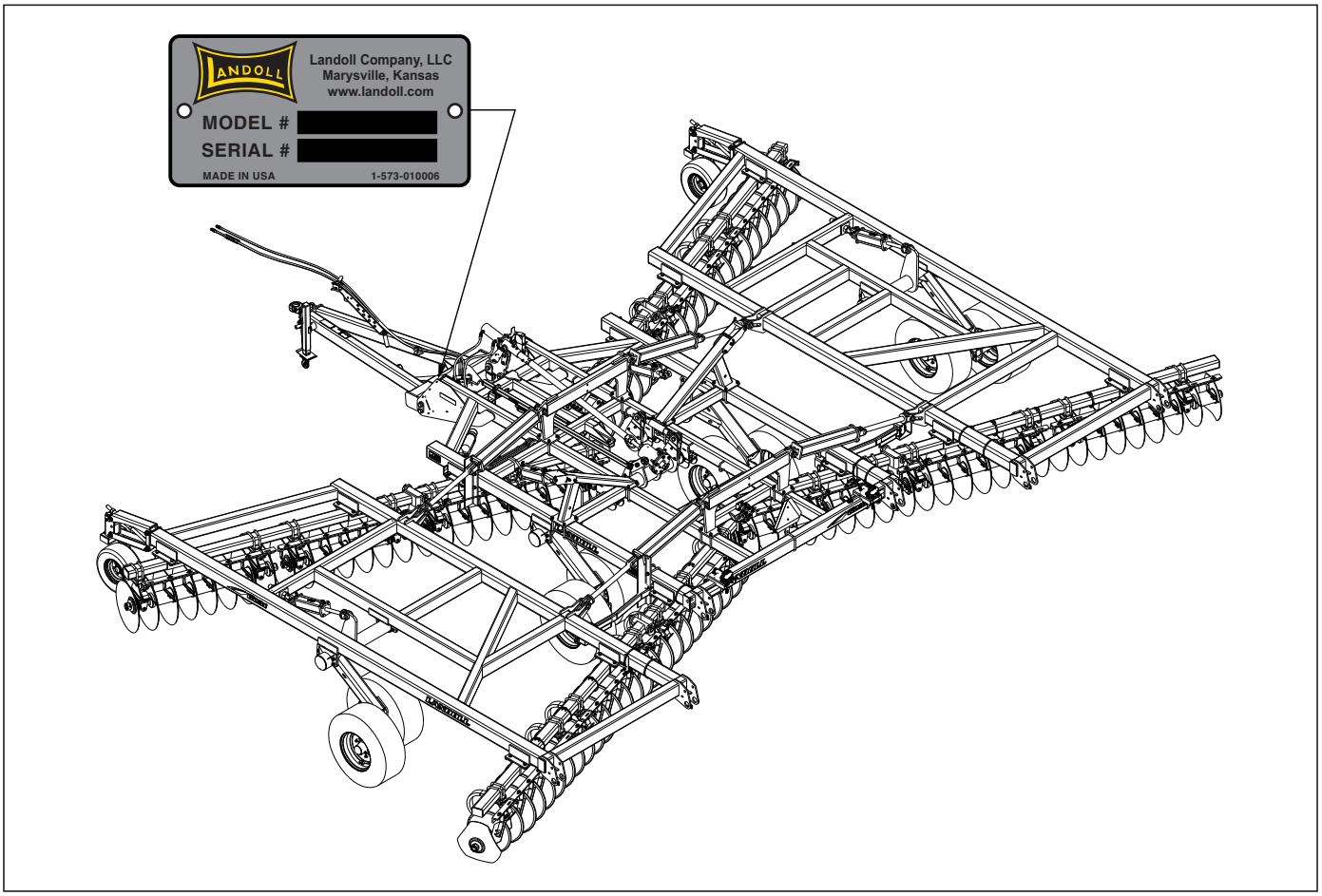


Figure 1-1: Identification Plate and Location

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Frame & Wing

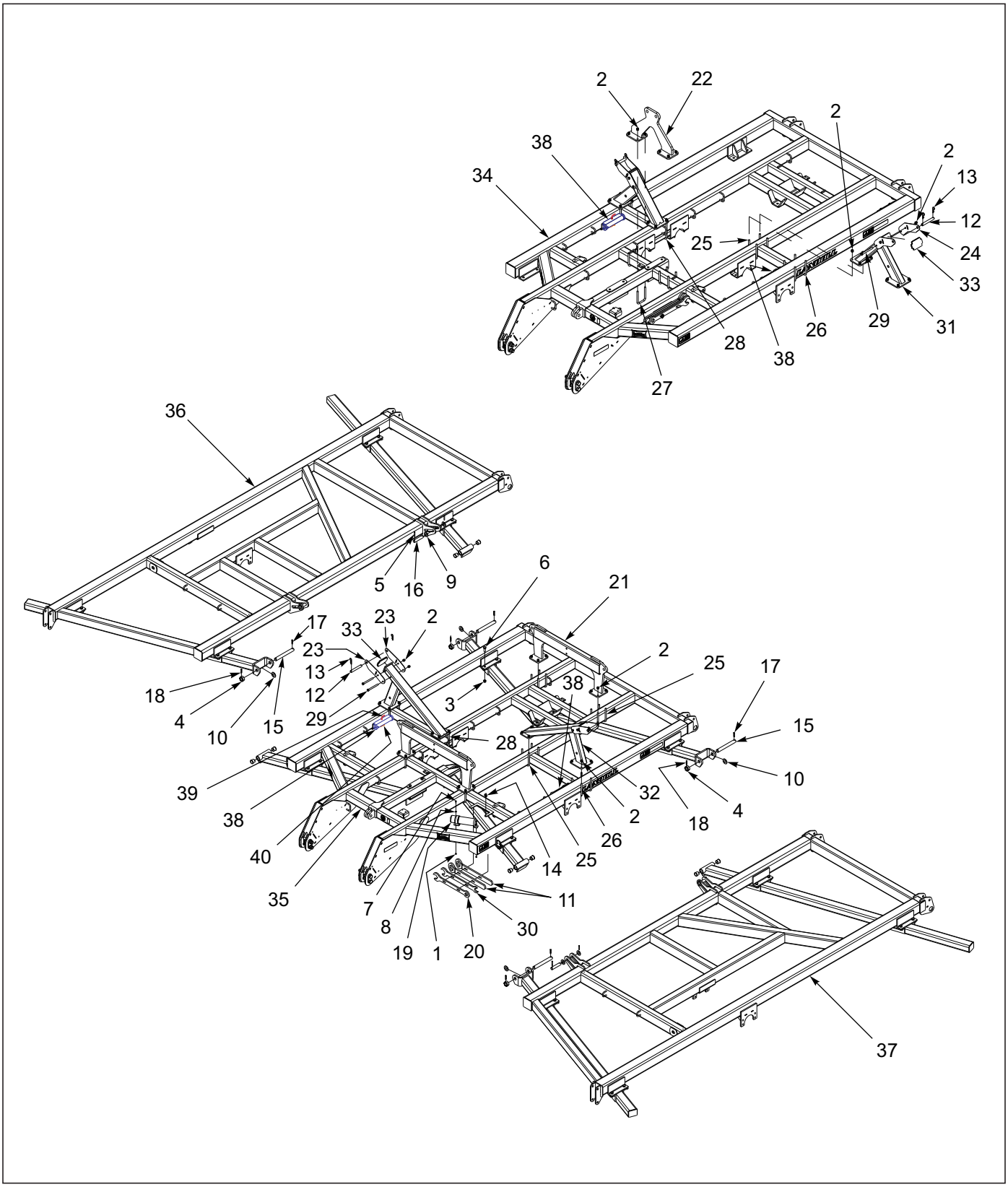


Figure 1-2: Frame & Wing Assembly

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Frame & Wing Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
2	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	44
3	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	56
4	1-516-010001-27	NUT,HX SLOT 1-1/2-6 ZP	4
5	1-647-010004240	PIN,SPRING,SLOTTED,5/16X2-1/2	8
6	1-654-010032-05	SCREW HEX CAP 3/4-10X2 GR8	50
7	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
8	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
9	116100	WASHER 1-1/4 NAR FL ZP/CD	8
10	141266	WASHER, THRUST 1-1/2	4
11	140533	GANG WRENCH	2
12	158299	PIN, 1X7-5/16	2
13	1-557-010013	PIN, HAIR 3/16 DIA	4
14	70239854	PIN QUICK HITCH	1
15	192887	PIN, HINGE	4
16	141244	PIN, FOLD	4
17	144115	PIN, GROOVED ALLOY 1/2X2-1/4	4
18	127712	PIN SPRING SLOTTED 3/8X2-1/4	4
19	142753	MANUAL HOLDER	1
20	192834	WRENCH, HITCH ADJUSTMENT	1
21	192800	MOUNT, FOLD CYLINDER WC	2
22	191475	MOUNT, FOLD CYLINDER 21-29	1
23	192811	BRACKET, WING STABILIZER	4
24	191485	BRACKET, WING STABILIZER	4
25	2-102-010037	U-BOLT CENTER SCRAPER	10
26	141269	U-BOLT, WING STABILIZER	4
27	141228	U-BOLT 5/8X4X6-1/2	4
28	158841	U-BOLT,5/8X4-11/16X10-3/4	4
29	107-0018	HHCS 5/8-11X6-1/2LG GR5	4
30	155564	WRENCH, ADJUSTMENT	1
31	191479	WING STABILIZER 21-29	2
32	191480	WING STABILIZER 30-36	2
33	191486	STOP, WING	4
34	189470	FRAME, CENTER 21-29	1
35	189471	FRAME, CENTER 30-36	1
36	189472	FRAME, WING RIGHT 21	1
36	189474	FRAME, WING RIGHT 23	1
36	189476	FRAME, WING RIGHT 26,30	1
36	189478	FRAME, WING RIGHT 29', 33'	1
37	189473	FRAME, WING LEFT 21	1
37	189475	FRAME, WING LEFT 23	1
37	189477	FRAME, WING LEFT 26,30	1
37	189479	FRAME, WING LEFT 29', 33'	1
37	189499	FRAME, WING LEFT 36'	1
38	141274	LOCKOUT, 1-3/8 ROD X 10 WLDMT	2
39	104358	L PIN,CYL STOP	2
40	1-557-010403	HAIRPIN 1/8	2

Lift Wheel Assemblies - Frame

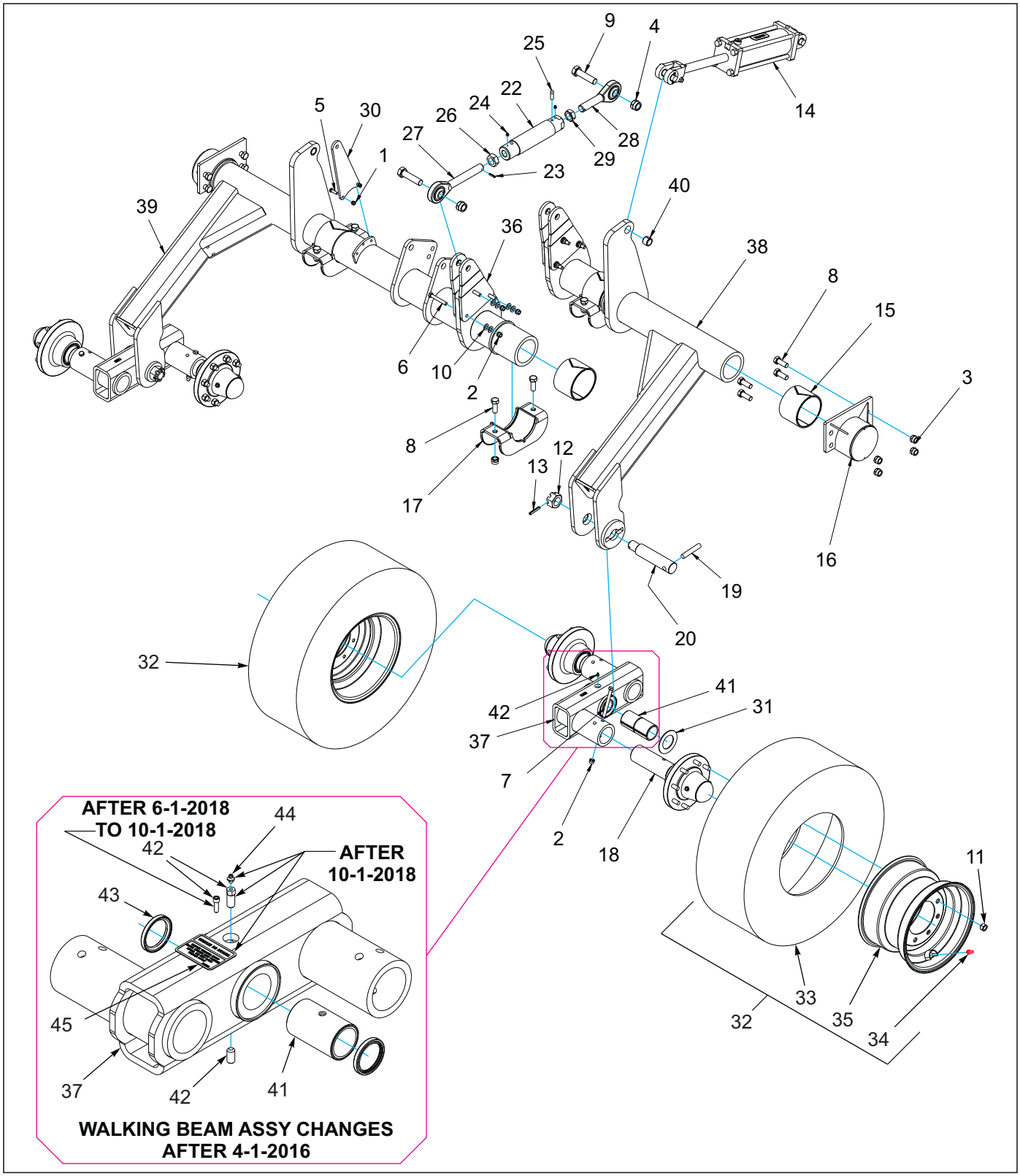


Figure 1-3: Lift Wheel Assembly - 21'-23' (Frame)

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Lift Wheel Assembly - 21'-23' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	10
3	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	14
4	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	2
5	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	6
7	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	4
8	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	14
9	1-654-010065-13	SCREW, HX CP 1-8UNC X 4 GR5	2
10	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
11	102600	NUT,WHEEL BOLT, 5/8	32
12	119118	NUT 1-1/2-12UNF HEX SLOTTEDZP	2
13	127712	PIN SPRING SLOTTED 3/8X2-1/4	2
14	140470	CYLINDER 4X10 REPHASE **(SEE PAGE 1-5)**	2
15	140519	BEARING, UHMW 4IN	5
16	141209	BEARING CAP, LIFT	2
17	141234	BEARING CAP, LIFT BLUE	3
18	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	4
18	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	4
19	156992	PIN, WALKING BEAM SPINDLE	2
20	157019	SPINDLE, WALKING BEAM	2
21	158844	RAD ROD, LIFT ASSY **(ITEMS 22-29)**	1
22	158843	RADIUS ROD WLDMT 13"	1
23	0600-250-01250	ROLL PIN 1/4X1-1/4 LONG	2
24	1-298-010001-1	ZERK FITTING 1/4 SAE	2
25	1-654-010080-2	SCREW SET1/2X1-1/4 SQHD CP PT	1
26	153803	NUT 1-1/4-7 HX JAM,UNC LH GR2	1
27	2-654-010097	SCREW, LH RADIUS ROD	1
28	159557	SCREW, SHORT, RH RADIUS ROD	1
29	100823	NUT, HEX JAM 1-1/4-7 GR2	1
30	164124	MOUNT, DEPTH CONTROL	1
31	171070	WASHER, THRUST	4
32	184708	TIRE ASSY,320/70R15,8 BOLTWHL **(ITEMS 32-34)**	4
33	184706	TIRE, FIRESTONE 12.5L X 15SL **(USED BEFORE11-1-2016)**	4
33	204385	TIRE, FIRESTONE RADIAL 320/70R15 **(USED AFTER 11-1-2016)**	4
34	TR575	VALVE STEM TUBELESS TIRE	4
35	140548	WHEEL, 15 X 10 LB, 8 BOLT	4
36	171063	PLATE, OFFSET	4
37	172961	WALKING BEAM ASSY 3" **(USED BEFORE 4-1-2016)**	2
37	198344	WALKING BEAM ASSY 3" **(USED AFTER 4-1-2016)**	2
38	191494	LIFT, CENTER RIGHT NC	1
39	191495	LIFT, CENTER LEFT NC	1
40	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	2
41	158903	BUSHING, SPRING 2-1/2 X 2 X 4-5/8 **(USED BEFORE 4-1-2016)**	2
41	187169	ASSY, TANDEM PIVOT-2" **(USED AFTER 4-1-2016)**	2
42	171024	FITTING, GREASE, 5/16-24 STR **(USED BEFORE 4-1-2016)**	4
42	135425	SCREW, HCS 5/16-24 UNF X 1.00 GI ZP **(USED AFTER 4-1-2016 TO 6-1-2018)**	4
42	15G816ER	SCREW SET SOC HD CPPT.5-13X1 **(AFTER 6-1-2018 TO 10-1-2018)**	4

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Lift Wheel Assembly - 21'-23' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
42	212046	SCREW, SET FOR ZERK **(AFTER 10-1-2018)**	4
43	198322	SEAL, V17, DOUBLE LIP 2" **(AFTER 10-1-2018)**	4
44	1-298-010001-1	ZERK FITTING 1/4 SAE **(AFTER 10-1-2018)**	2
45	215341	DECAL, GREASE WALKER **(AFTER 10-1-2018)**	2

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Table provided for general use.

NOTES:

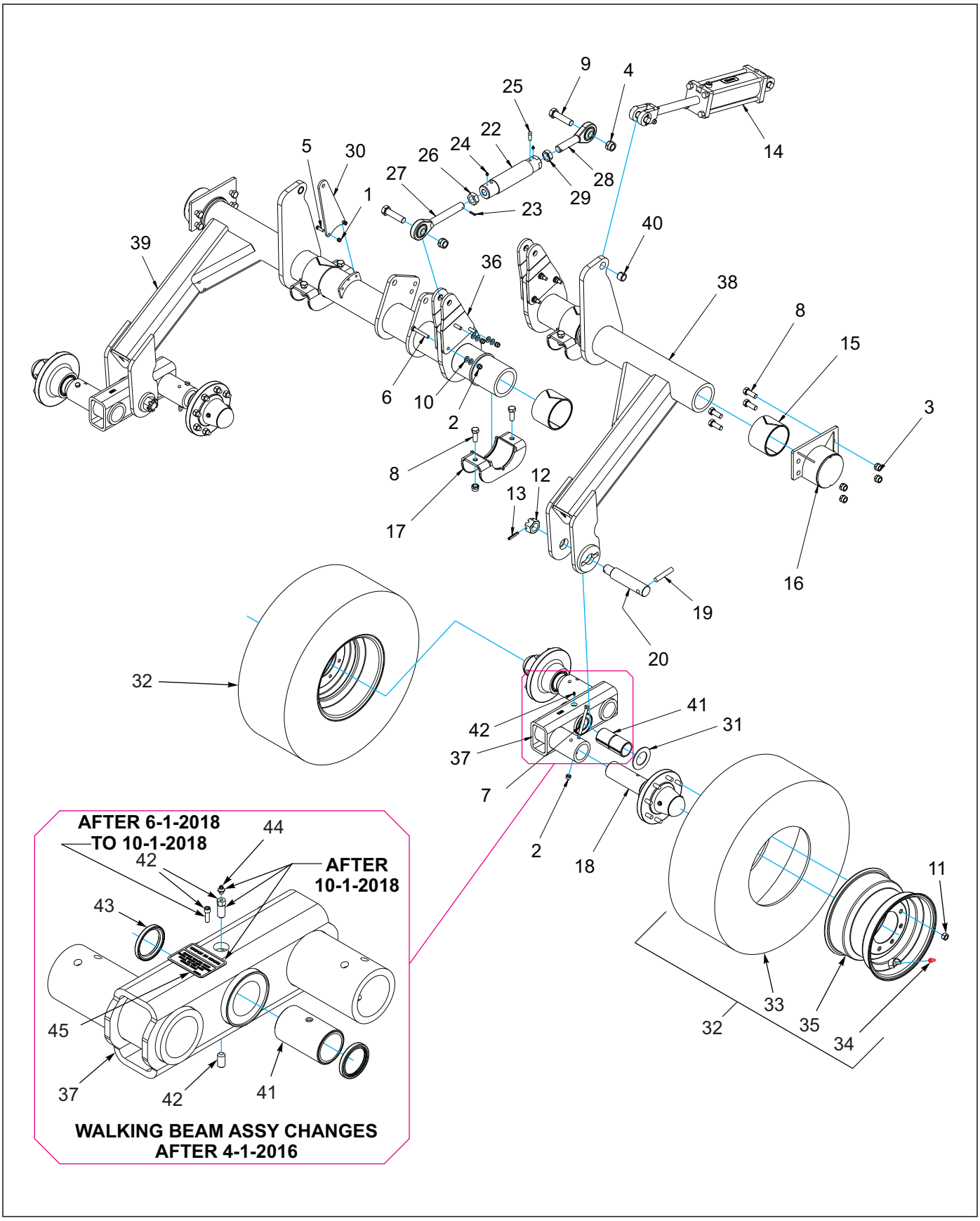


Figure 1-4: Lift Wheel Assembly - 26'-29' (Frame)

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Lift Wheel Assembly - 26'-29' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	10
3	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	14
4	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	2
5	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	6
7	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	4
8	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	14
9	1-654-010065-13	SCREW, HX CP 1-8UNC X 4 GR5	2
10	1-861-010032-14	WASHER, FLAT 1/2” N ZP/CD	12
11	102600	NUT,WHEEL BOLT, 5/8	32
12	119118	NUT 1-1/2-12UNF HEX SLOTTEDZP	2
13	127712	PIN SPRING SLOTTED 3/8X2-1/4	2
14	140470	CYLINDER 4X10 REPHASE **(SEE PAGE 1-151)**	2
15	140519	BEARING, UHMW 4IN	5
16	141209	BEARING CAP, LIFT	2
17	141234	BEARING CAP, LIFT BLUE	3
18	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	4
18	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	4
19	156992	PIN, WALKING BEAM SPINDLE	2
20	157019	SPINDLE, WALKING BEAM	2
21	158844	RAD ROD, LIFT ASSY **(ITEMS 22-29)**	1
22	158843	RADIUS ROD WLDMT 13"	1
23	0600-250-01250	ROLL PIN 1/4X1-1/4 LONG	2
24	1-298-010001-1	ZERK FITTING 1/4 SAE	2
25	1-654-010080-2	SCREW SET1/2X1-1/4 SQHD CP PT	1
26	153803	NUT 1-1/4-7 HX JAM,UNC LH GR2	1
27	2-654-010097	SCREW, LH RADIUS ROD	1
28	159557	SCREW, SHORT, RH RADIUS ROD	1
29	100823	NUT, HEX JAM 1-1/4-7 GR2	1
30	164124	MOUNT, DEPTH CONTROL	1
31	171070	WASHER, THRUST 2	4
32	221272	BKT 380 TIRE&WHL ASSY POS 1.5" **(ITEMS 32-34)**	4
33	221270	BKT TIRE 380/55R 16.5 IMP	4
34	TR575	VALVE STEM TUBELESS TIRE	4
35	171011	WHEEL, 8 BOLT	4
36	171063	PLATE, OFFSET	4
37	172961	WALKING BEAM ASSY 3" **(USED BEFORE 4-1-2016)**	2
37	198344	WALKING BEAM ASSY 3" **(USED AFTER 4-1-2016)**	2
38	191494	LIFT, CENTER RIGHT NC	1
39	191495	LIFT, CENTER LEFT NC	1
40	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	2
41	158903	BUSHING, SPRING 2-1/2 X 2 X 4-5/8 **(USED BEFORE 4-1-2016)**	1
41	187169	ASSY, TANDEM PIVOT-2” **(USED AFTER 4-1-2016)**	1
42	171024	FITTING, GREASE, 5/16-24 STR **(USED BEFORE 4-1-2016)**	4
42	135425	SCREW, HCS 5/16-24 UNF X 1.00 GI ZP **(USED AFTER 4-1-2016 TO 6-1-2018)**	4
42	15G816ER	SCREW SET SOC HD CPPT.5-13X1 **(AFTER 6-1-2018 TO 10-1-2018)**	4
42	212046	SCREW, SET FOR ZERK **(AFTER 10-1-2018)**	4

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Lift Wheel Assembly - 26'-29' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
43	198322	SEAL, V17, DOUBLE LIP 2" **(AFTER 10-1-2018)**	4
44	1-298-010001-1	ZERK FITTING 1/4 SAE **(AFTER 10-1-2018)**	2
45	215341	DECAL, GREASE WALKER **(AFTER 10-1-2018)**	2

Table provided for general use.

NOTES:

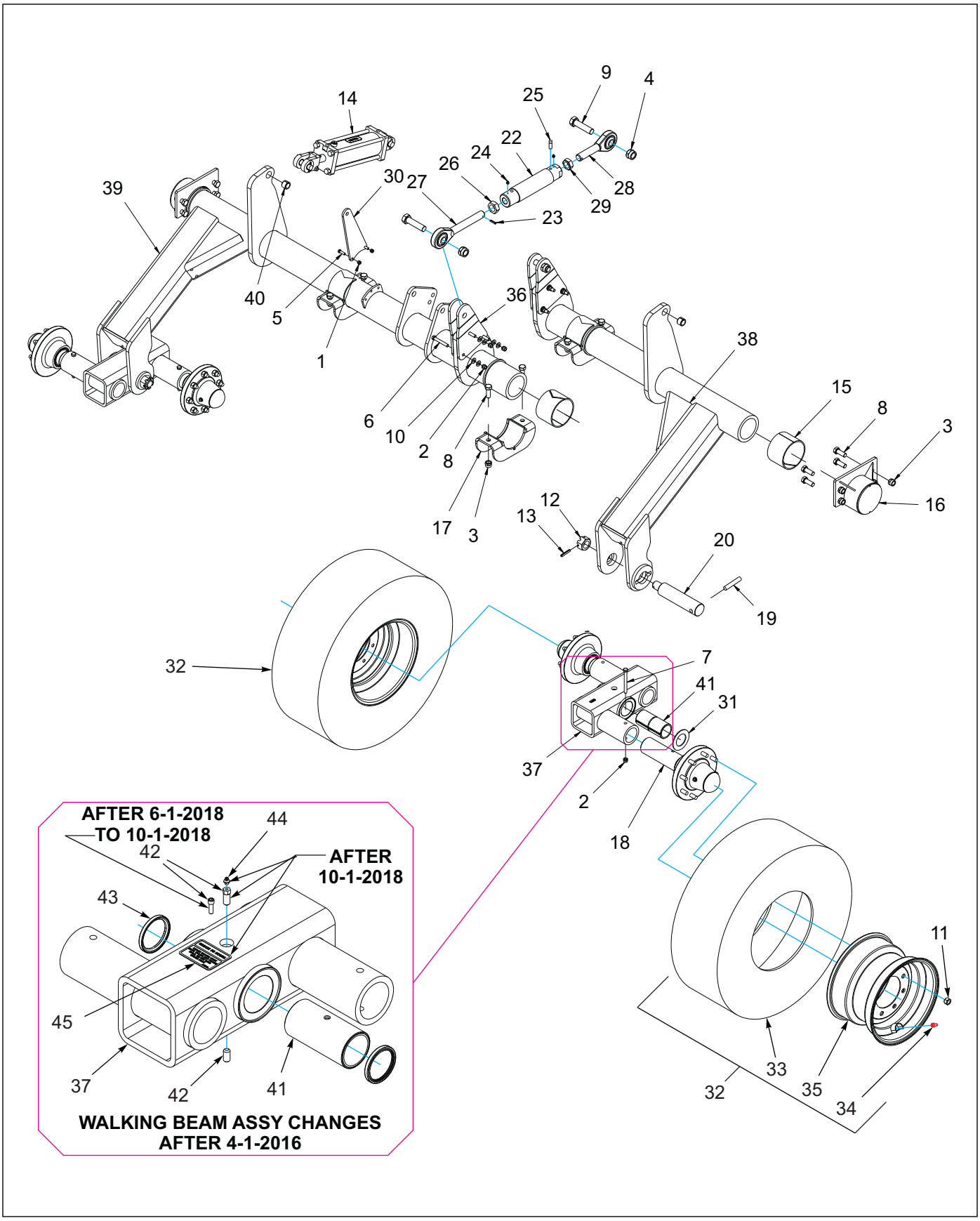


Figure 1-5: Lift Wheel Assembly - 30'-36' (Frame)

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Lift Wheel Assembly - 30'-36' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	10
3	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	14
4	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	2
5	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	6
7	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	4
8	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	14
9	1-654-010065-13	SCREW, HX CP 1-8UNC X 4 GR5	2
10	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
11	102600	NUT,WHEEL BOLT, 5/8	32
12	119118	NUT 1-1/2-12UNF HEX SLOTTEDZP	2
13	127712	PIN SPRING SLOTTED 3/8X2-1/4	2
14	140470	CYLINDER 4X10 REPHASE **(SEE PAGE 1-151)**	2
15	140519	BEARING, UHMW 4IN	5
16	141209	BEARING CAP, LIFT	2
17	141234	BEARING CAP, LIFT BLUE	3
18	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	4
18	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	4
19	156992	PIN, WALKING BEAM SPINDLE	2
20	156991	SPINDLE, WALKING BEAM	2
21	158844	RAD ROD, LIFT ASSY **(ITEMS 22-29)**	1
22	158843	RADIUS ROD WLDMT 13"	1
23	0600-250-01250	ROLL PIN 1/4X1-1/4 LONG	2
24	1-298-010001-1	ZERK FITTING 1/4 SAE	2
25	1-654-010080-2	SCREW SET1/2X1-1/4 SQHD CP PT	1
26	153803	NUT 1-1/4-7 HX JAM,UNC LH GR2	1
27	2-654-010097	SCREW, LH RADIUS ROD	1
28	159557	SCREW, SHORT, RH RADIUS ROD	1
29	100823	NUT, HEX JAM 1-1/4-7 GR2	1
30	164124	MOUNT, DEPTH CONTROL	1
31	164563	WASHER, THRUST 2-1/2	4
32	221272	BKT 380 TIRE&WHL ASSY POS 1.5" **(ITEMS 32-34)**	4
33	221270	BKT TIRE 380/55R 16.5 IMP	4
34	TR575	VALVE STEM TUBELESS TIRE	4
35	171011	WHEEL, 8 BOLT	4
36	171063	PLATE, OFFSET	4
37	179260	WALKING BEAM ASSY 3" **(USED BEFORE 4-1-2016)**	2
37	198338	WALKING BEAM ASSY 3" **(USED AFTER 4-1-2016)**	2
38	191496	LIFT, CENTER RIGHT WC	1
39	191497	LIFT, CENTER LEFT WC	1
40	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	2
41	158904	BUSHING, SPRING 3 X 2-1/2 X 6-5/8 **(USED BEFORE 4-1-2016)**	2
41	187170	ASSY, TANDEM PIVOT-2-1/2" **(USED AFTER 4-1-2016)**	2
42	135425	SCREW, HCS 5/16-24 UNF X 1.00 GI ZP **(USED AFTER 4-1-2016 TO 6-1-2018)**	4
42	15G816ER	SCREW SET SOC HD CPPT.5-13X1 **(AFTER 6-1-2018 TO 10-1-2018)**	4
42	212046	SCREW, SET FOR ZERK **(AFTER 10-1-2018)**	4
43	198322	SEAL, V17, DOUBLE LIP 2" **(AFTER 10-1-2018)**	4

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Lift Wheel Assembly - 30'-36' (Frame)

ITEM	PART NO.	DESCRIPTION	QTY.
44	1-298-010001-1	ZERK FITTING 1/4 SAE **(AFTER 10-1-2018)**	2
45	215341	DECAL, GREASE WALKER **(AFTER 10-1-2018)**	2

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Lift Wheel Assemblies - Wing

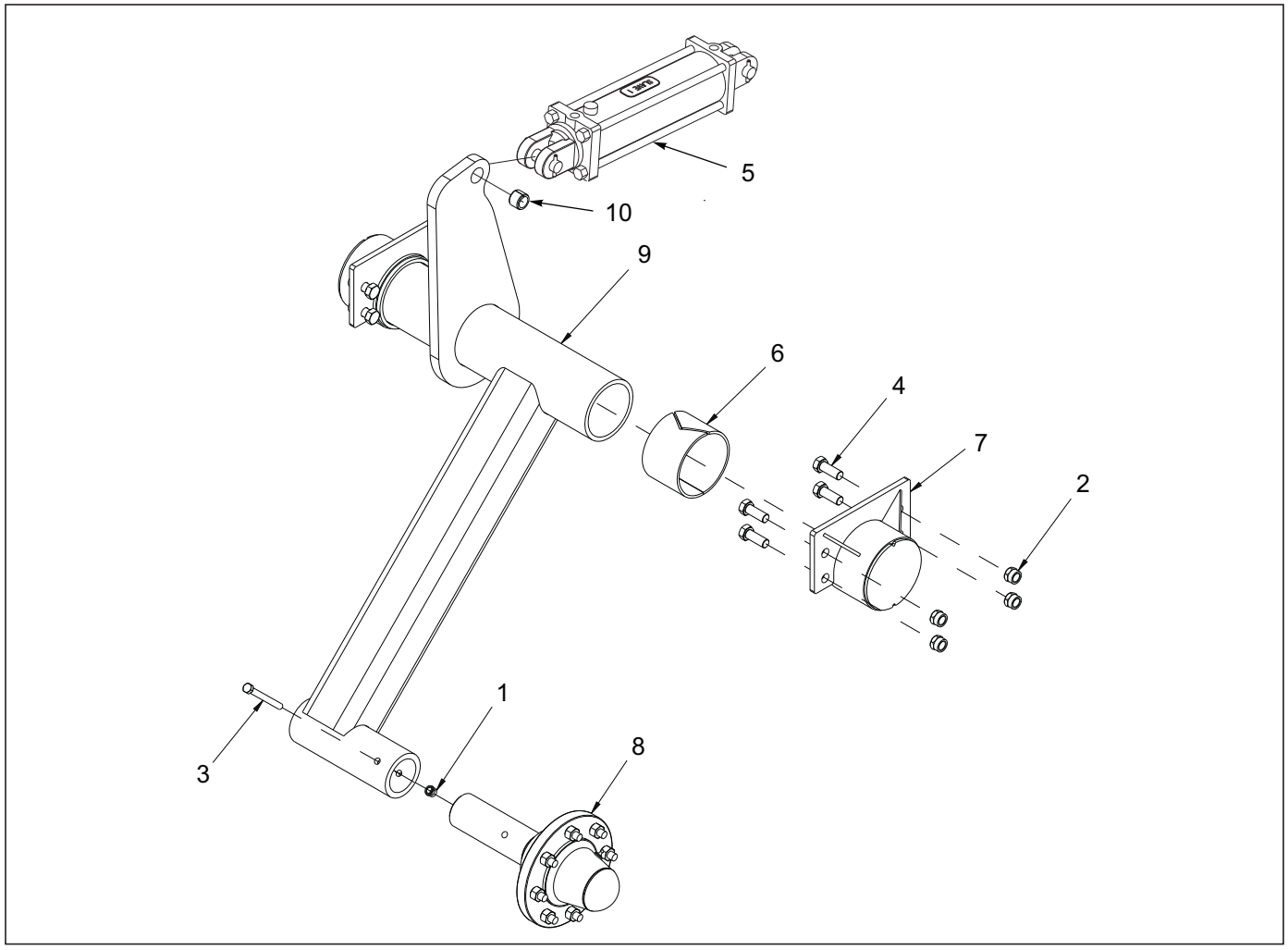


Figure 1-6: Lift Wheel Assembly - 21' (Wing) (Right Shown)

Lift Wheel Assembly - 21' (Wing) (Right Shown)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
2	1-512-010005-15	NUT, HEX SLFLKG, 3/4-10 UNC X 2 GR6	8
3	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	1
4	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	8
5	140471	CYLINDER 3-3/4X10 REPHASE **(SEE PAGE 1-150)**	1
6	140519	BEARING, UHMW 4IN	2
7	141209	BEARING CAP, LIFT	2
8	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	1
8	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	1
9	191460	LIFT, WING RIGHT	1
9	191461	LIFT, WING LEFT **(NOT SHOWN)**	1
10	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	1

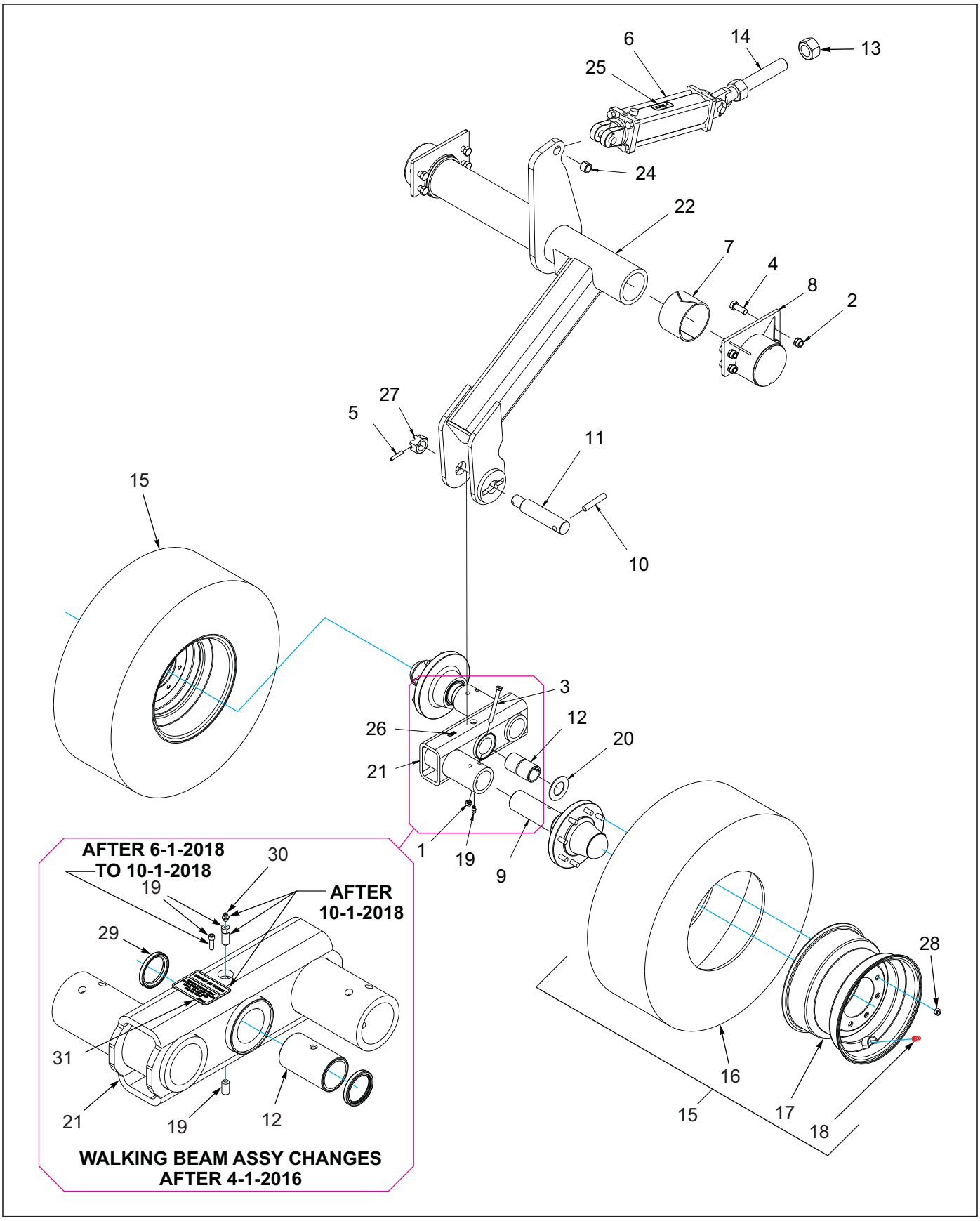


Figure 1-7: Lift Wheel Assembly - 23' (Wing) (Right Shown)

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Lift Wheel Assembly - 23' (Wing) (Right Shown)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	8
3	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	2
4	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	8
5	127712	PIN SPRING SLOTTED 3/8X2-1/4	1
6	140471	CYLINDER 3-3/4X10 REPHASE **(SEE PAGE 1-150)**	1
7	140519	BEARING, UHMW 4IN	2
8	141209	BEARING CAP, LIFT	2
9	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	2
9	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	2
10	156992	PIN, WALKING BEAM SPINDLE	1
11	157019	SPINDLE, WALKING BEAM	1
12	158903	BUSHING, SPRING 2-1/2 X 2 X 4-5/8 **(USED BEFORE 4-1-2016)**	1
12	187169	ASSY, TANDEM PIVOT-2” **(USED AFTER 4-1-2016)**	1
13	159954	NUT HEX 1-3/4-5UNC GR2	2
14	159955	ROD, CYLINDER ANCHOR	1
15	184708	TIRE ASSY,320/70R15,8 BOLTWHL **(ITEMS 20-22)**	2
16	184706	TIRE, FIRESTONE 12.5L X 15 FL **(USED BEFORE 11-1-2016)**	2
16	204385	TIRE, FIRESTONE RADIAL 320/70R15 **(USED AFTER 11-1-2016)**	4
17	140548	WHEEL, 15 X 10, 8 BOLT	2
18	TR575	VALVE STEM TUBELESS TIRE	2
19	171024	FITTING, GREASE 1/4-28 STR SHORT **(USED BEFORE 4-1-2016)**	2
19	135425	SCREW, HCS 5/16-24 UNF X 1.00 GI ZP **(USED AFTER 4-1-2016 TO 6-1-2018)**	2
19	15G816ER	SCREW SET SOC HD CPPT.5-13X1 **(AFTER 6-1-2018 TO 10-1-2018)**	2
19	212046	SCREW, SET FOR ZERK **(AFTER 10-1-2018)**	2
20	171070	WASHER, THRUST 2	2
21	172961	WALKING BEAM ASSY 3" **(USED BEFORE 4-1-2016)**	1
21	198344	WALKING BEAM ASSY 3" **(USED AFTER 4-1-2016)**	1
22	191498	LIFT, WING RIGHT	1
23	191499	LIFT, WING LEFT **(NOT SHOWN)**	1
24	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	1
25	2-573-010149	DECAL SLAVE	1
26	2-573-010330-02	DECAL, LUBRICATION 10 HOURS	1
27	119118	NUT, 1-1/2-12 UNF, HEX SLOTTEDZP	1
28	102600	NUT, WHEEL BOLT, 5/8-18	8
29	198322	SEAL, V17, DOUBLE LIP 2" **(AFTER 10-1-2018)**	2
30	1-298-010001-1	ZERK FITTING 1/4 SAE **(AFTER 10-1-2018)**	1
31	215341	DECAL, GREASE WALKER **(AFTER 10-1-2018)**	1

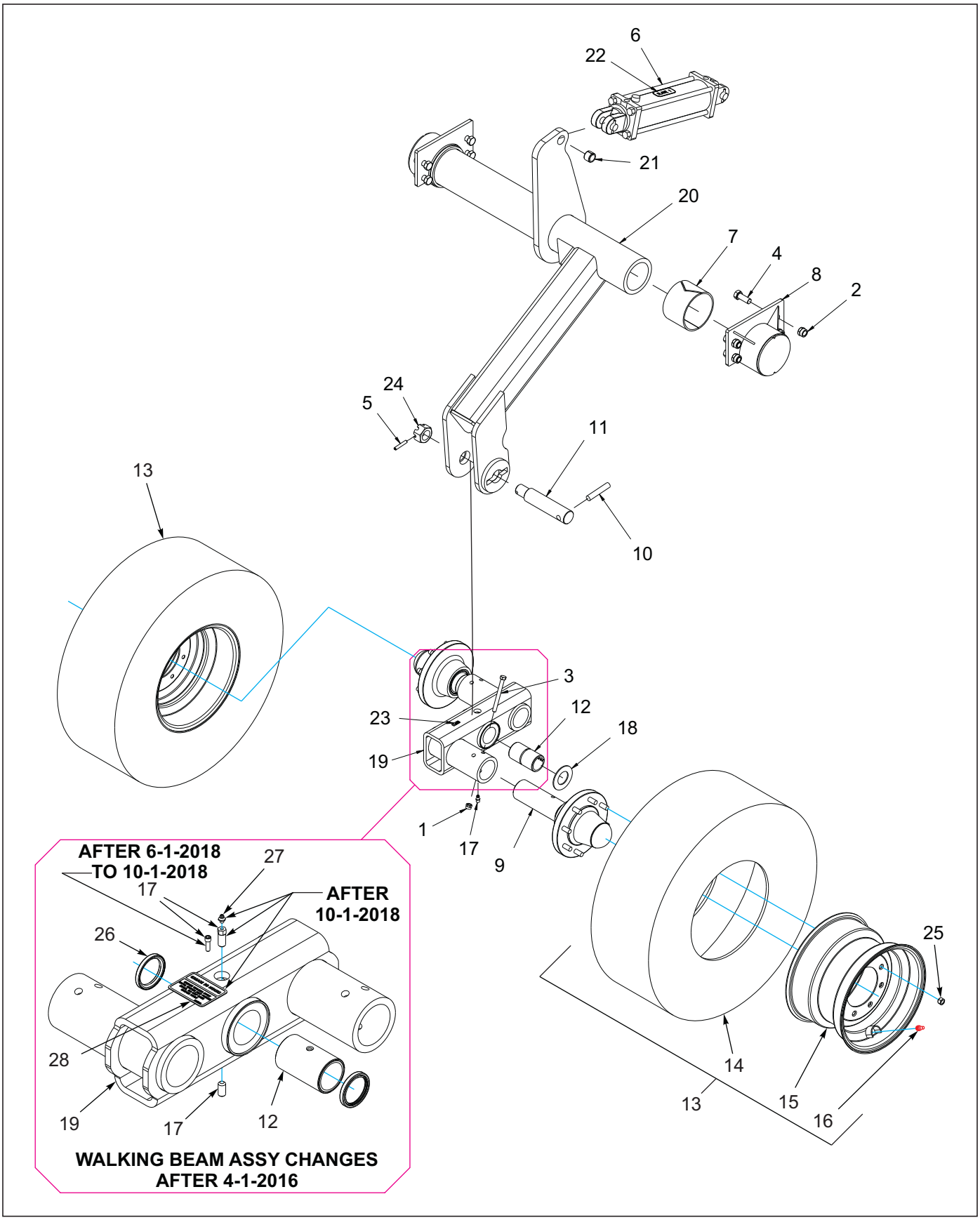


Figure 1-8: Lift Wheel Assembly - 26'-36' (Wing) (Right Shown)

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Lift Wheel Assembly - 26'- 36' (Wing) (Right Shown)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	8
3	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	2
4	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	8
5	127712	PIN SPRING SLOTTED 3/8X2-1/4	1
6	140471	CYLINDER 3-3/4X10 REPHASE **(SEE PAGE 1-150)**	1
7	140519	BEARING, UHMW 4IN	2
8	141209	BEARING CAP, LIFT	2
9	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 02-01-2020) (SEE PAGE 1-21)**	2
9	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 02-01-2020) (SEE PAGE 1-23)**	2
10	156992	PIN, WALKING BEAM SPINDLE	1
11	157019	SPINDLE, WALKING BEAM	1
12	158903	BUSHING, SPRING 2-1/2 X 2 X 4-5/8 **(USED BEFORE 4-1-2016)**	1
12	187169	ASSY, TANDEM PIVOT-2” **(USED AFTER 4-1-2016)**	1
13	171010	TIRE & WHEEL ASSY, 380/55R X 16.5 **(ITEMS 18-20)**	2
14	165236	TIRE, 380/55R X 16.5	2
15	171011	WHEEL, 8 BOLT	2
16	TR575	VALVE STEM TUBELESS TIRE	2
17	171024	FITTING, GREASE 1/4-28 STR SHORT **(USED BEFORE 4-1-2016)**	2
17	135425	SCREW, HCS 5/16-24 UNF X 1.00 GI ZP **(USED AFTER 4-1-2016 TO 6-1-2018)**	2
17	15G816ER	SCREW SET SOC HD CPPT.5-13X1 **(AFTER 6-1-2018 TO 10-1-2018)**	2
17	212046	SCREW, SET FOR ZERK **(AFTER 10-1-2018)**	2
18	171070	WASHER, THRUST 2	2
19	172961	WALKING BEAM ASSY 3" **(USED BEFORE 4-1-2016)**	1
19	198344	WALKING BEAM ASSY 3" **(USED AFTER 4-1-2016)**	1
20	191498	LIFT, WING RIGHT	1
20	191499	LIFT, WING LEFT **(NOT SHOWN)**	1
21	192890	BUSHING 1-3/8ODX1 IDX1 STEEL	1
22	2-573-010149	DECAL SLAVE	1
23	2-573-010330-02	DECAL, LUBRICATION 10 HOURS	1
24	119118	NUT, 1-1/2-12 UNF, HEX SLOTTEDZP	1
25	102600	NUT, WHEEL BOLT, 5/8-18	8
26	198322	SEAL, V17, DOUBLE LIP 2" **(AFTER 10-1-2018)**	2
27	1-298-010001-1	ZERK FITTING 1/4 SAE **(AFTER 10-1-2018)**	1
28	215341	DECAL, GREASE WALKER **(AFTER 10-1-2018)**	1

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Hub & Spindles

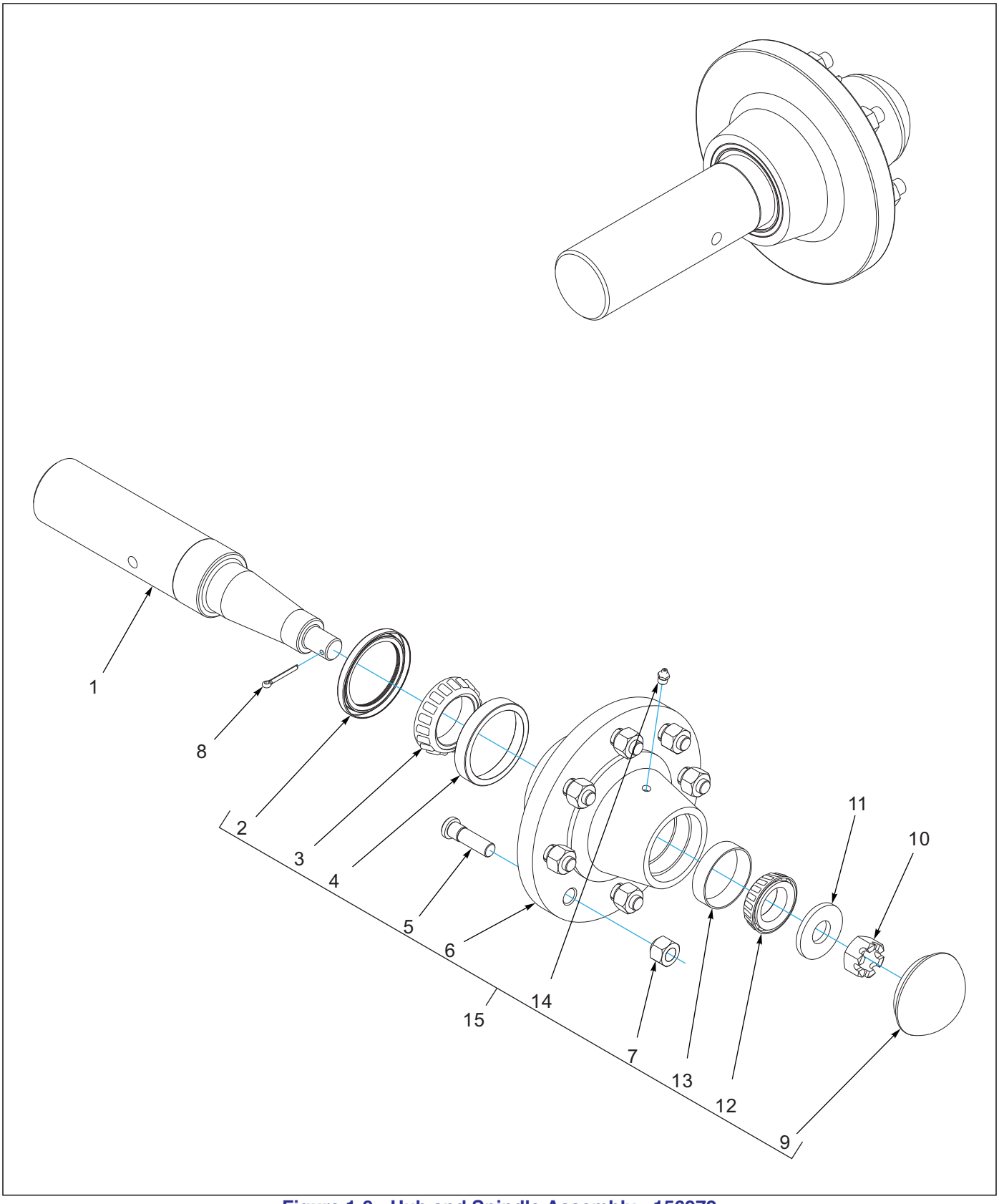


Figure 1-9: Hub and Spindle Assembly - 156972

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Hub and Spindle Assembly - 156972

ITEM	PART NO.	DESCRIPTION	QTY.
--	156972	HUB & SPINDLE ASSY, 8 BOLT **(BEFORE 2-1-2020)**	
1	156973	SPINDLE 3 X 16-1/2	1
2	159970	SEAL,TRIPLE LIP 4 ODX3 IDX3/8	1
3	156979	CONE BEARING - 387AS	1
4	111962	OUTER BEARING CUP L20HD#382A	1
5	4001060	HUB 75-8 BOLTS 5/8-18 STUD	1
6	156974	HUB W/CUPS, 8 BOLT, 7500LBS **(INCLUDES ITEMS 4, 5, 7, 13, 14)**	1
7	102600	NUT,WHEEL BOLT, 5/8	8
8	1-557-010362-51	PIN, COTTER 3/16X1-1/2	1
9	102601	HUB CAP, 8-BOLT HUB	1
10	1-516-010001-20	NUT, HX SLOT 1-14	1
11	1-861-010005	WASHER, SPINDLE 1	1
12	102498	BEARING CONE,OUTER, 1.625	1
13	102604	BEARING CUP, OUTER	1
14	5000	ZERK FITTING 1/8NPT	1
15	168859	HUB ASSY, EIGHT BOLT **(SERVICE KIT ONLY)**	

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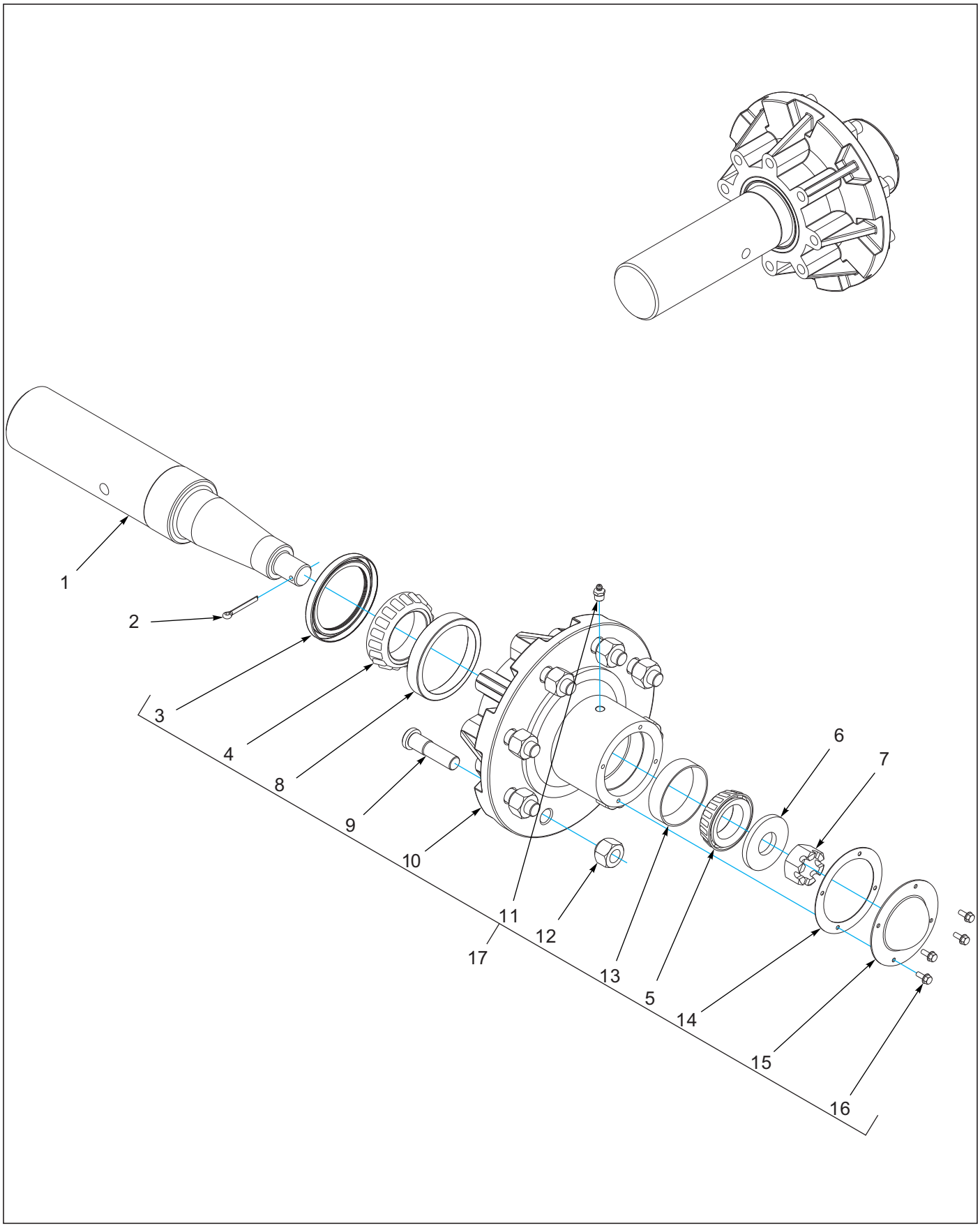


Figure 1-10: Hub and Spindle Assembly - 223440

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Hub and Spindle Assembly - 223440

ITEM	PART NO.	DESCRIPTION	QTY.
--	223440	ASSY, 8 BOLT HUB & SPINDLE **(AFTER 2-1-2020)** (NOTE: P/N 223440 HUB & SPINDLE WILL REPLACE ALL EXISTING 156972 HUB & SPINDLE ASSEMBLIES)	
1	156973	SPINDLE 3 X 16-1/2	1
2	1-557-010362-51	PIN, COTTER 3/16X1-1/2	1
3	159970	SEAL,TRIPLE LIP 4 ODX3 IDX3/8	1
4	156979	CONE BEARING - 387AS	1
5	102498	BEARING CONE,OUTER, 1.625	1
6	1-861-010005	WASHER, SPINDLE 1	1
7	1-516-010001-20	NUT, HX SLOT 1-14	1
8	111962	OUTER BEARING CUP L20HD#382A	1
9	4001060	HUB 75-8 BOLTS 5/8-18 STUD	8
10	223435	HUB ASSY W/ CUPS,GASKET,CAP **(INCLUDES ITEMS 8, 9, 11-16)**	1
11	5000	ZERK FITTING 1/8NPT	1
12	102600	NUT,WHEEL BOLT, 5/8	8
13	102604	BEARING CUP, OUTER	1
14	223439	GASKET, DUST CAP	1
15	223437	DUST CAP, BOLT ON	1
16	223438	SCREW, 10-32X1/2 HEX FLANGE	4
17	168859	HUB ASSY, EIGHT BOLT **(SERVICE KIT ONLY)**	

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Leveler Assemblies

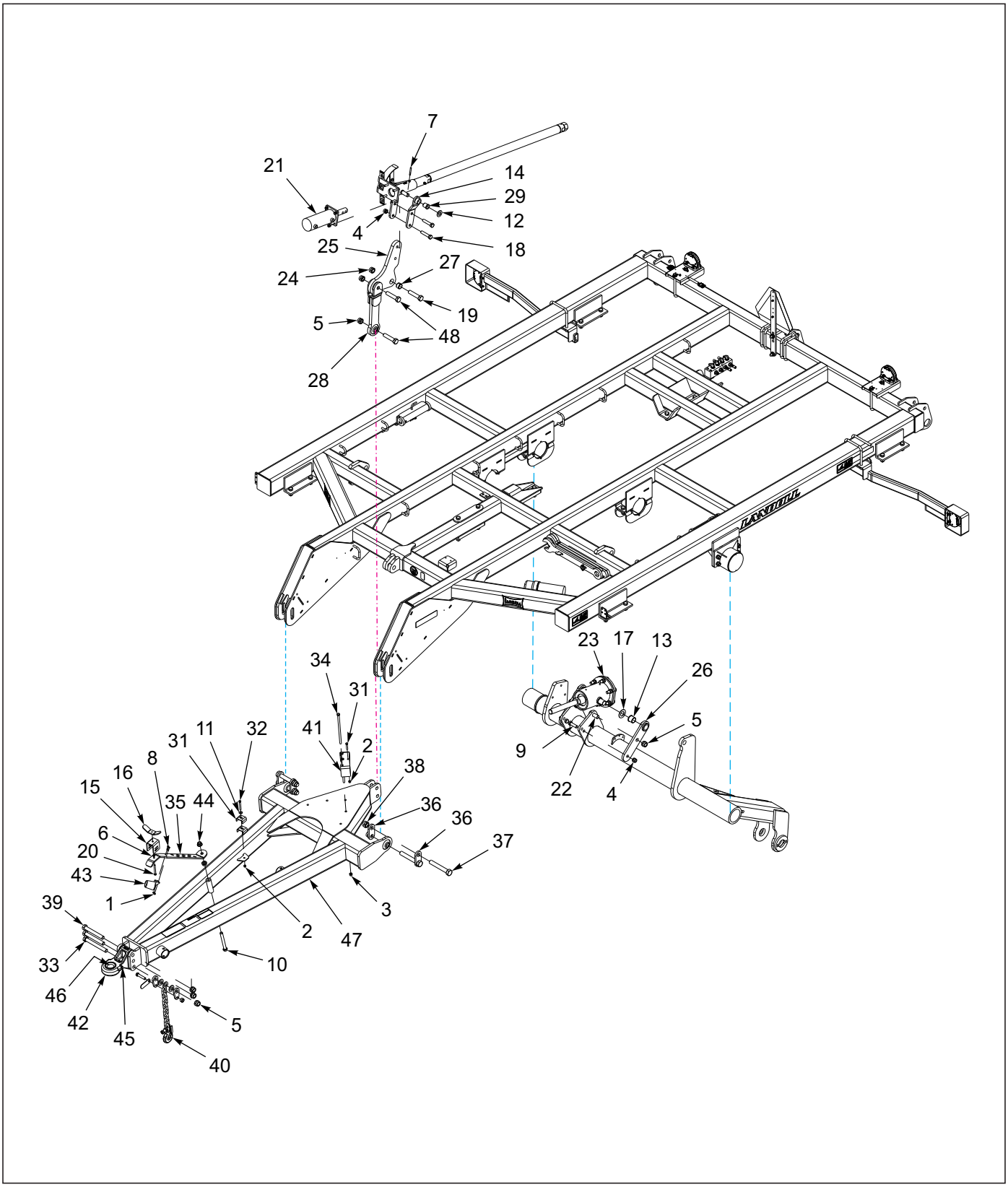


Figure 1-11: Hitch & Leveling Linkage Assembly

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Hitch & Leveling Linkage Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	24
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
4	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	28
5	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	8
6	1-512-010007-07	NUT, HEX 3/8-16 ZP	1
7	1-647-010004240	PIN,SPRING,SLOTTED,5/16X2-1/2	2
8	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	6
9	1-654-010061-07	SCREW,HX CP 3/4-10UNCX2-1/2G5	2
10	1-654-010061-19	SCREW,HX CP 3/4-10UNCX7 GR5	1
11	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	1
12	1-861-010032-24	WASHER FL 1IN NARROW ZP	2
13	140599	BEARING, FLANGE 1-1/2	2
14	142646	BRACKET WLDMT LEVELER CROSS HY	2
15	141247	CLAMP, HOSE HOLDER	1
16	141249	WING NUT, HOSE HOLDER	2
17	141266	WASHER, THRUST 1-1/2	2
18	141776	SCREWHXCP 3/4-10UNCX3-1/2GR5B	2
19	172823	SCREW HX CP 1-1/4-7X6 GR8	3
20	141807	SCREW 3/8-16UNCX3-1/2 ALLTHRD	1
21	144116	CYL ASM, 3-1/2X6 W/ FITTINGS	1
22	151528	SCREW, HX CP 1-8UNCX2-1/2 GR5	2
23	183915	TUBE ASSY, LEVELER SPRING	1
24	101385	NUT, HEXAGON, SELF LOCKING, GRB	1
25	189485	LINK LEVELER L	1
26	191470	MOUNT, LEVELER SPRING	2
27	2-150-010174	BUSHING,1-5/8X1-1/4X1	2
28	192898	LINK, LEVELER BALL JOINT	1
29	2-073-010012	BEARING FLANGE	2
30	2-181-010001	HOSE CLAMP	3
31	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	2
32	1-654-010051-13	SCREW,HX CP,3/8-16UNCX3,GR5	1
33	1-654-010125-22	SCREW HX CP 1-8UNCX8-1/2G8ZP	1
34	131081	SCREW,HEX CAP 1/2-13X11	2
35	141246	BRACKET, HOSE HOLDER **(INCLUDES ITEM 29)**	1
36	141252	PLATE, HITCH MOUNT	4
37	141253	SCREW HEX CAP 1-1/8-7 X 7-1/2	4
38	141254	NUT,HX SELF-LOCKING 1-1/8-7	4
39	153696	BOLT, HITCH CLEVIS	2
40	141434	SAFETY CHAIN, 21,000 LB	1
41	174695	CLAMP, HOSE HOLDER	1
42	189451	HITCH, BALL CAT IV, 3-HOLE **(SEE PAGE 1-26)**	1
43	2-368-010287	HARNESS, STOR-A-WAY	1
44	103841	NUT FLANGE, PREVAILING TRQ, 3/4-10 UNC	2
45	1-298-010001-1	ZERK FITTING 1/4 SAE	2
46	189454	BUSHING, SPHERICAL, 2” ID	1
47	140575	HITCH WLDMT	1
48	141777	SCREW HX CP 1-8UNCX4-1/2 GR5	2

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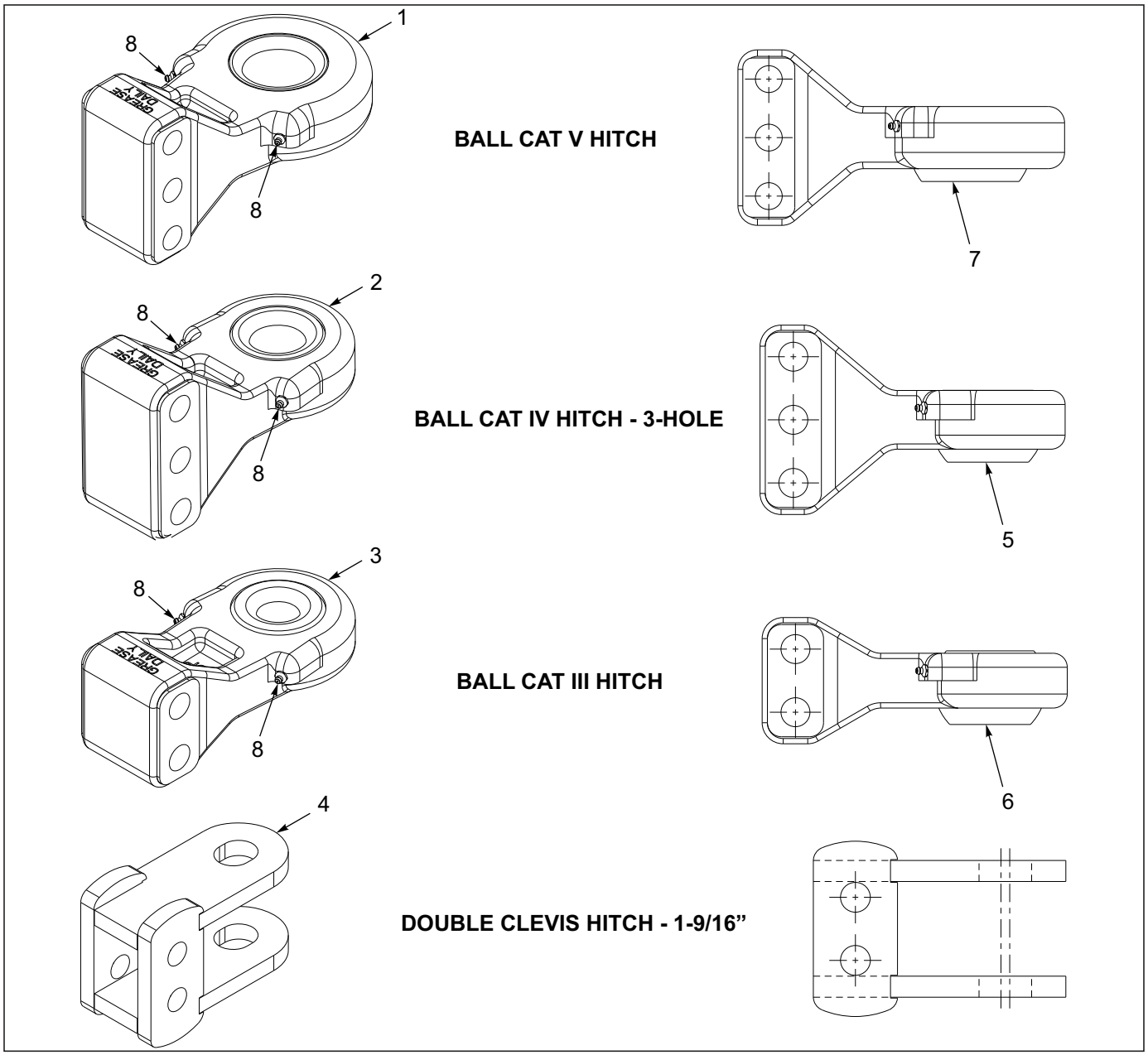


Figure 1-12: Hitch Assemblies

Hitch Assemblies

ITEM	PART NO.	DESCRIPTION	QTY.
1	177032	HITCH, BALL V	1
2	189451	HITCH, BALL CAT IV, 3-HOLE	1
3	177030	HITCH, BALL CAT III	1
4	161550	HITCH CLEVIS, DOUBLE 1-9/16”	1
5	189454	BUSHING, SPHERICAL, 2” ID **(STANDARD CAT IV)**	1
5	189453	BUSHING, SPHERICAL, 1-1/2” ID	1
6	189453	BUSHING, SPHERICAL 1-1/2 ID	1
7	189468	BUSHING, SPHERICAL, 2-3/4” ID **(STANDARD CAT V)**	1
7	189467	BUSHING, SPHERICAL 2 ID	1
8	1-298-010001-1	ZERK FITTING 1/4 SAE	1

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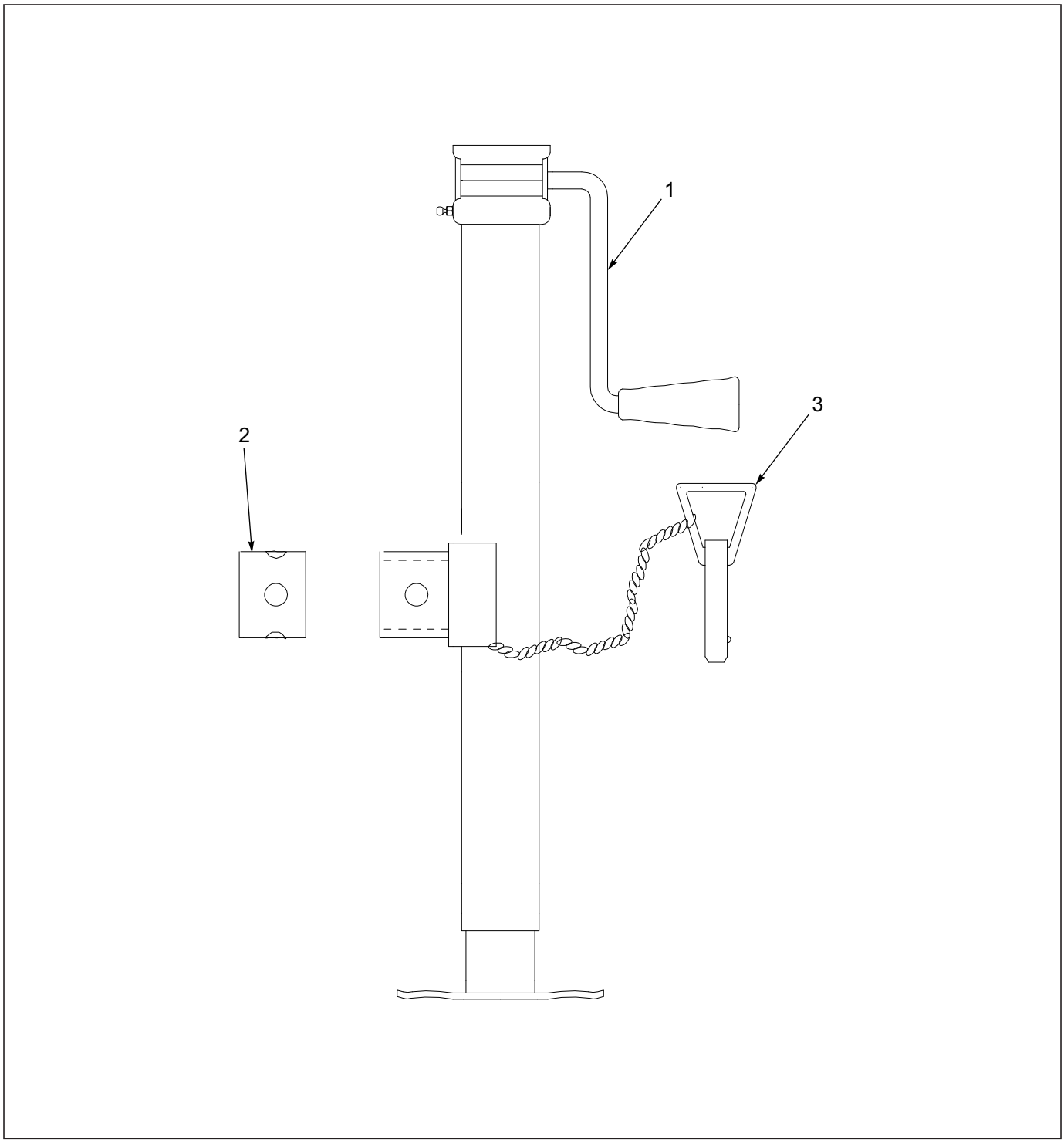


Figure 1-13: 7,000 Lb. Sidewind Jack Assembly

7,000 LB. Sidewind Jack Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	140647	JACK, SIDEWIND 7000LB	
1	500171	HANDLE FOR JACK	1
2	141250	TUBE, ROUND JACK MOUNT **(WELD TO IMPLEMENT FRAME)**	1
3	142194	5/8” PIN	1

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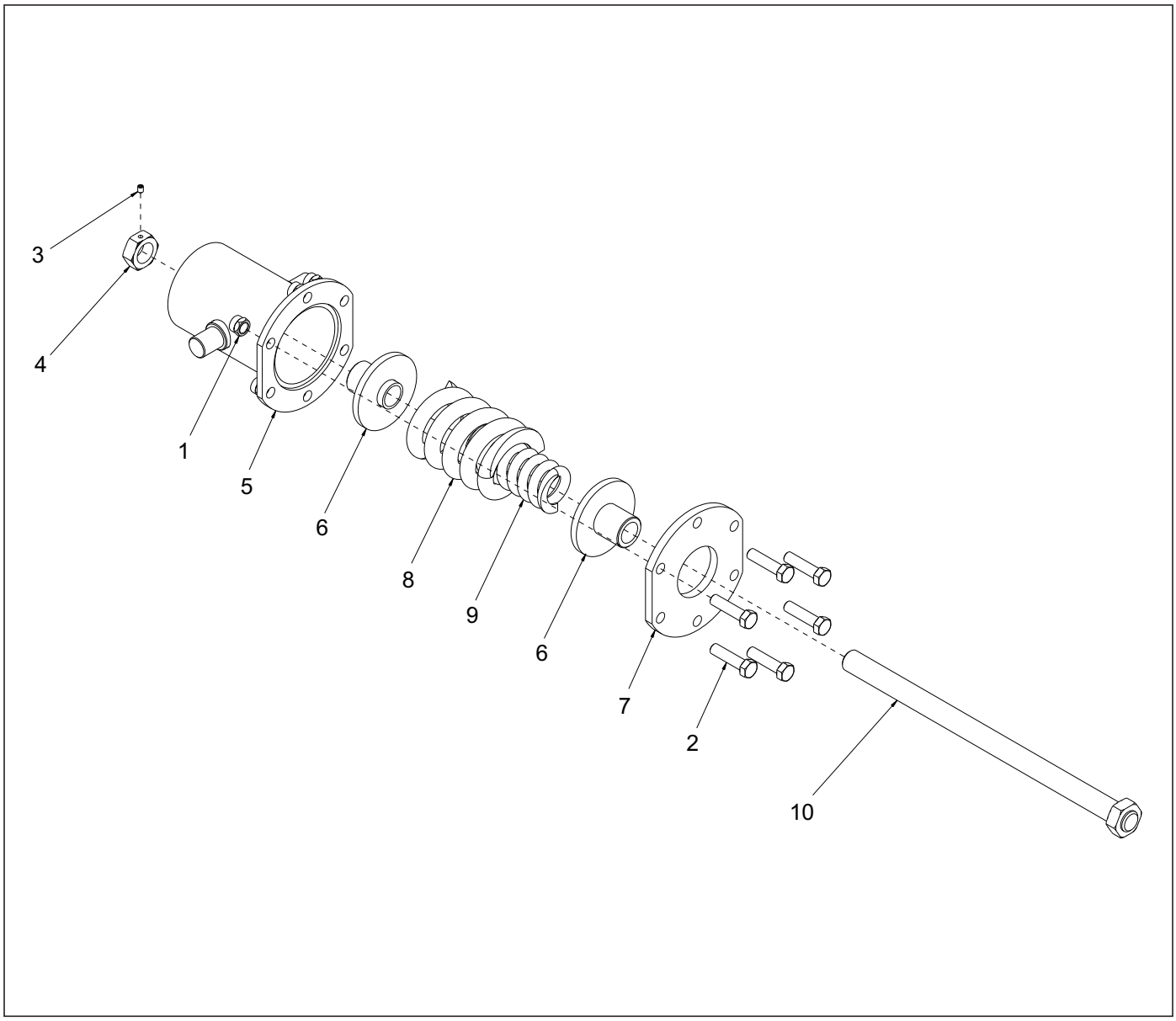


Figure 1-14: Leveler Spring Tube Assembly

Leveler Spring Tube Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	183915	LEVELER SPRING TUBE ASSEMBLY	
1	1-512-010005-15	NUT, HEX SLFLKG, 3/4-10 UNC GRB	6
2	1-654-010061-09	SCREW, HEX 3/4-10UNC X 3, GR5	6
3	122709	SCREW, SET HXSKTCPPT 3/8-16 X 1/2	1
4	140610	NUT, HEX JAM W/O SET SCREW	1
5	183902	TUBE, LEVELER SPRING	1
6	183906	SPRING, END LEVELER	2
7	183909	CLAMP PLATE, LEVELER SPRING TUBE	1
8	192874	SPRING, COMPRESSION OUTER	1
9	192875	SPRING COMPRESSION INNER	1
10	192876	SCREW, LEVELER	1

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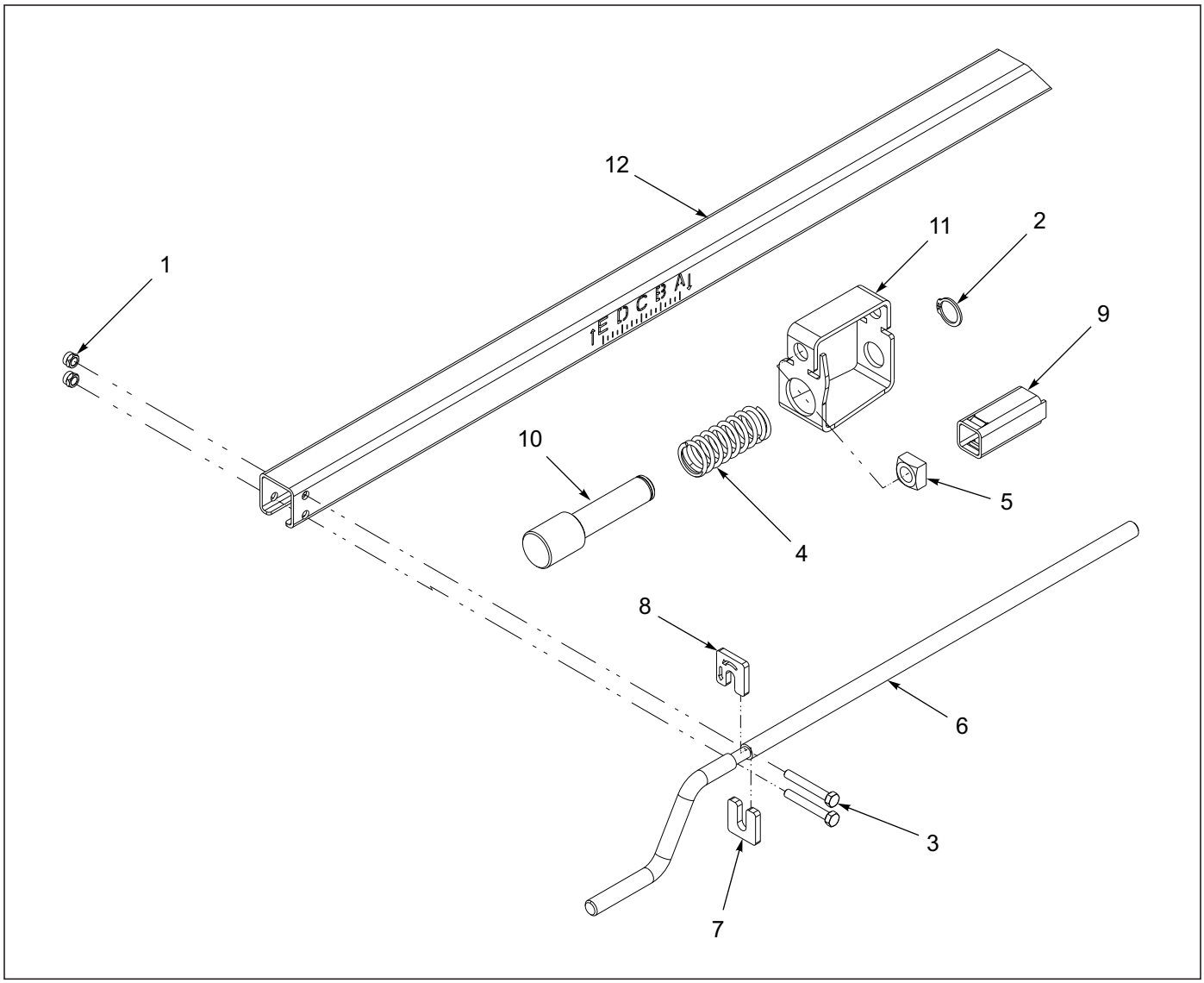


Figure 1-15: Depth Stop Tube Assembly

Depth Stop Tube Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	192814	TUBE ASSEMBLY, DEPTH STOP	
1	1-512-010005-03	NUT, HEX, SLFLKG, 5/16-18 UNC, GRB	2
2	1-630-010021-03	RING, RETAINING HD	1
3	108628	SCREW, HEX HEAD, 5/16-18 X 2-1/4 GR5	2
4	122917	SPRING, COMPRESSION, 4-1/2 MONOSEM	1
5	144048	NUT, SQ 5/8-11 GR5	1
6	165258	HANDLE, DEPTH STOP	1
7	165259	STOP, HANDLE LONG	1
8	165260	STOP, HANDLE SHORT	1
9	166717	SQ TUBE, FLOATING	1
10	174708	PIN, DEPTH STOP	1
11	174709	SQ TUBE, DEPTH STOP	1
12	192815	SQ TUBE, DEPTH STOP 84-1/2”	1

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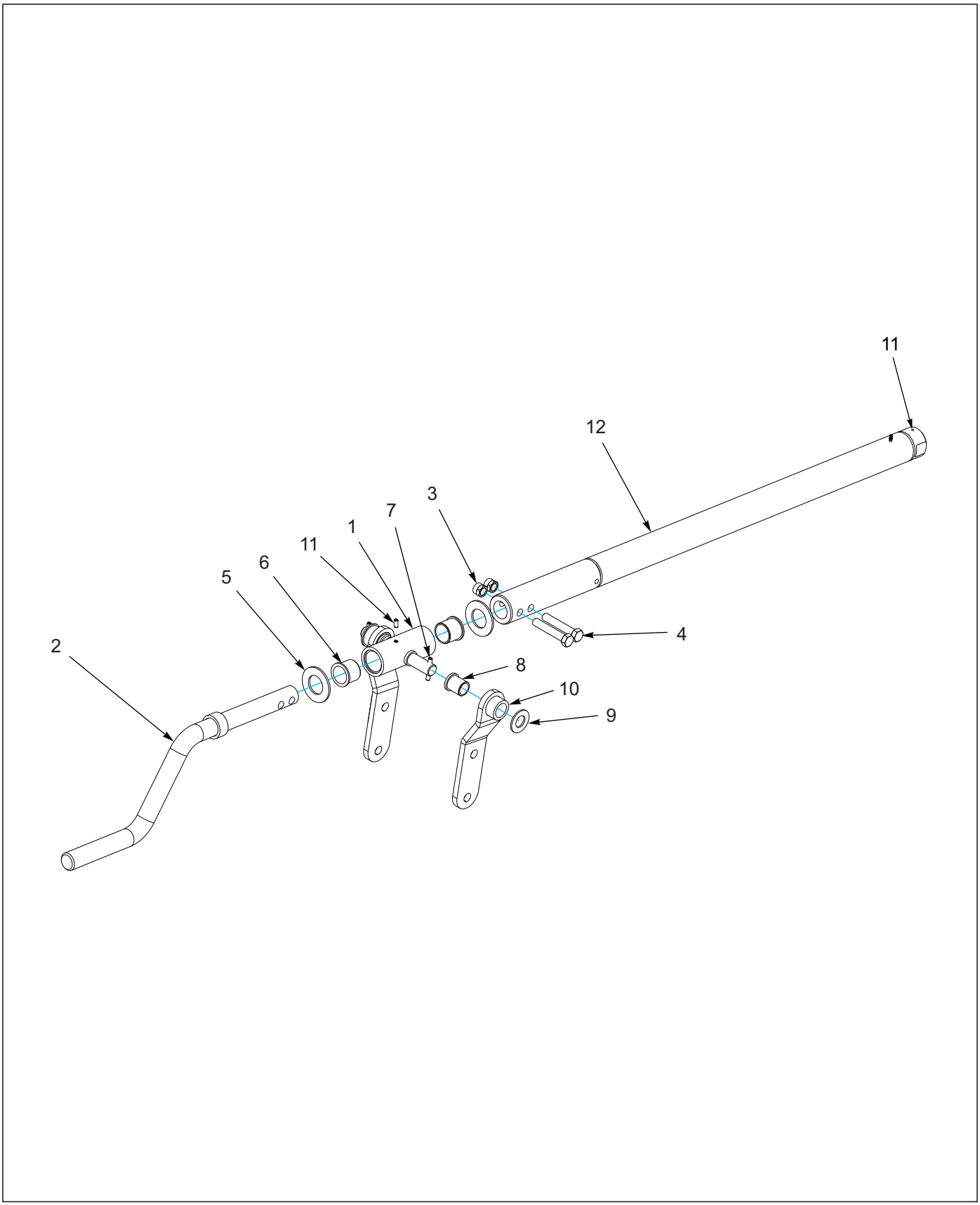


Figure 1-16: Manual Leveler Assembly

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Manual Leveler Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	140525	LEVELER ASSEMBLY, MANUAL	
1	140598	CROSS, LEVELER	1
2	140630	HANDLE, LEVELER	1
3	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	2
4	1-654-010059-11	SCREW, HEX HEAD CAP 5/8-11 X 3-1/2 GR5	2
5	1-861-010032-32	WASHER, FLAT 1-1/2	2
6	140599	BEARING, FLANGE 1-1/2	2
7	1-647-010004240	PIN SPRING SLOTTED 5/16X2-1/2	REF
8	2-073-010012	BEARING FLANGE	REF
9	1-861-010032-24	WASHER, FLAT 1N	REF
10	142645	LEVELER CROSS BRACKET WLDMT **(INCLUDE ITEM 8)**	1
11	1-298-010001-1	ZERK, FITTING 1/4	1
12	183914	TUBE LEVELER 71”	REF

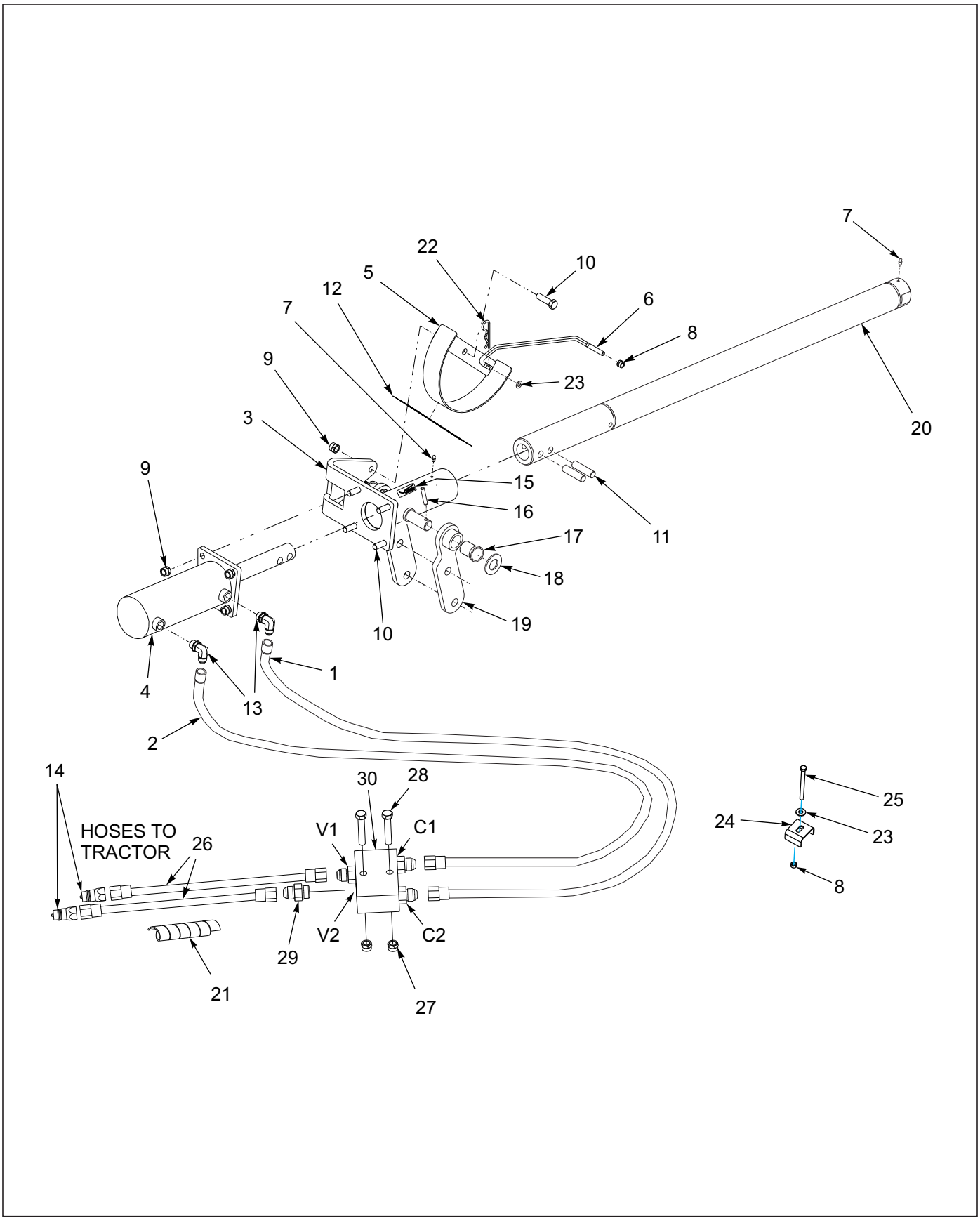


Figure 1-17: Hydraulic Leveler Assembly

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Hydraulic Leveler Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	192869	LEVELER ASSEMBLY, HYDRAULIC	
1	181801	HOSE ASSEMBLY 3/8 X 58	1
2	153843	HOSE ASSEMBLY 3/8 X 67	1
3	140625	CROSS, LEVELER	1
4	140631	CYLINDER, 3-1/2 X 6 **(SEE PAGE 1-153)**	1
5	141241	GAUGE, LEVEL INDICATOR	1
6	141242	ROD, LEVEL INDICATOR	1
7	1-298-010001-1	ZERK FITTING 1/4	1
8	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	1
9	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	5
10	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	5
11	140627	PIN, LEVELER	2
12	141263	DECAL, LEVEL INDICATOR	1
13	141827	ELBOW 90 W/ 1/32 RESTRICTOR	2
14	141828	COUPLER, MALE 3/4-16 **(NOT SHOWN)**	2
15	2-573-010330-03	DECAL, LUBRICATION 50 HOURS	1
16	1-647-010004240	PIN SPRING SLOTTED 5/16 X 2-1/2	REF
17	2-073-010012	BEARING FLANGE	REF
18	1-861-010032-24	WASHER, FLAT 1N	REF
19	142646	LEVELER CROSS BRACKET WLDMT **(INCLUDE ITEM 18)**	2
20	183914	LEVELER TUBE 71”	REF
21	155530	HOSE WRAP, BLACK	AR
22	1-557-010403	HAIRPIN, 1/8	1
23	1-861-010032-11	WASHER, FLAT 3/8W	1
24	2-181-010001	HOSE CLAMP	1
25	1-654-010051-13	SCREW, HEX HEAD CAP 3/8-16 X 3	1
26	141860	HOSE ASSEMBLY 3/8 X 150	2
27	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	2
28	1-654-010051-09	SCREW, HEX HEAD CAP 3/8-16 X 2 GR5	2
29	202702-8-8S	ADAPTER	4
30	124696	VALVE, DOUBLE PILOT CHECK	1

Gauge Wheel Assembly

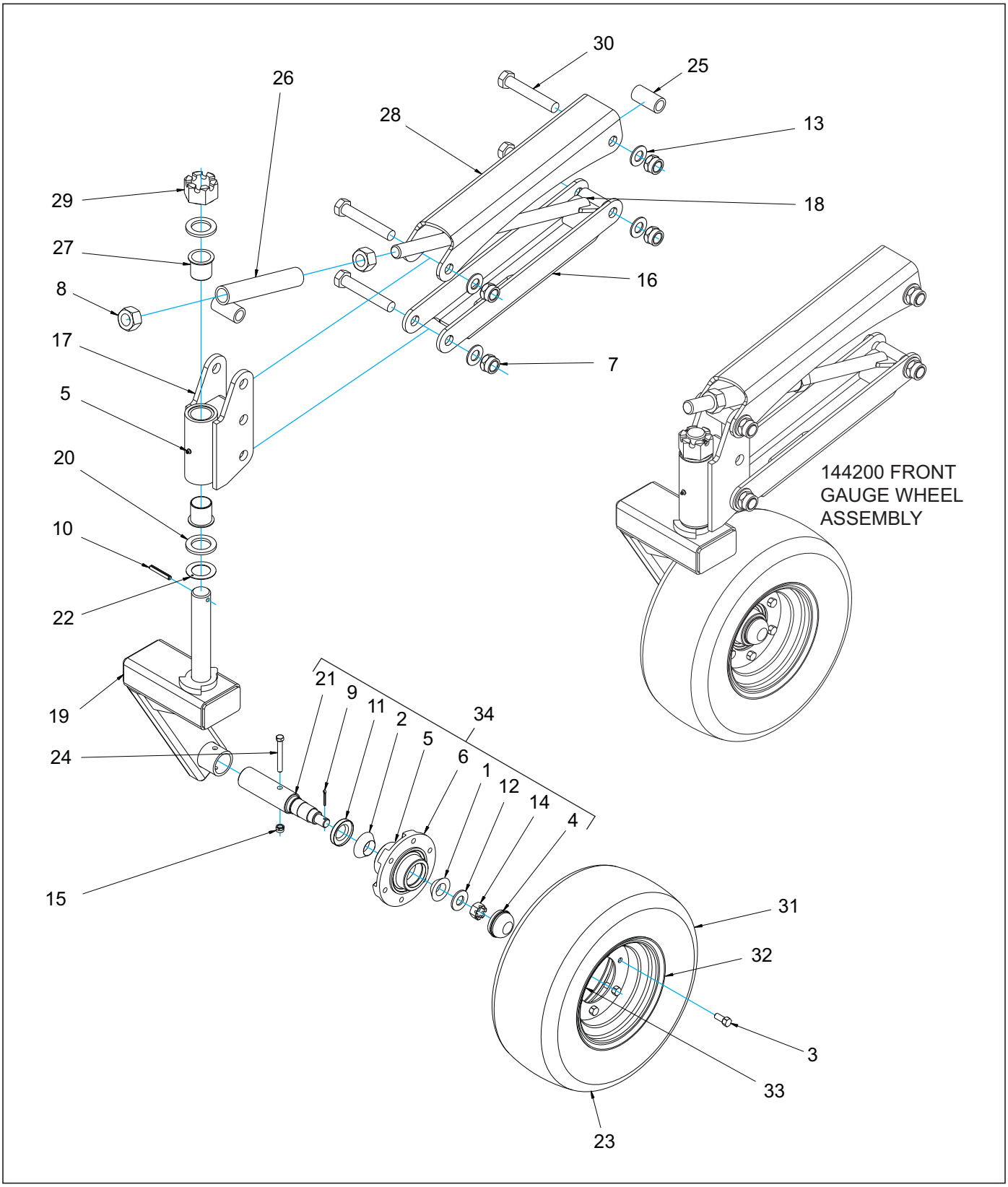


Figure 1-18: Front Gauge Wheel Assembly

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Front Gauge Wheel Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	144200	FRONT GAUGE WHEEL ASSEMBLY	
1	1-076-010007	CONE, INNER	1
2	1-076-010009	CONE, INNER	1
3	1-104-010002	WHEEL BOLT, 1/2 X 1-3/8	6
4	1-161-010003	HUB CAP, 6 BOLT	1
5	1-298-010001-1	FITTING, GREASE 1/4-28	2
6	1-406-010012	HUB, 6 BOLT W/ CUPS	1
7	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	4
8	1-512-010007-16	NUT, HEX 1-1/4 - 7	2
9	1-557-010362-40	PIN, COTTER 5/32 X 1-1/4	1
10	1-647-010004257	PIN, SPRING SLOTTED 3/8 X 2-1/2	1
11	1-659-010004	1-5/8 ID GREASE SEAL	1
12	1-861-010004	WASHER, SPINDLE 7/8	1
13	1-861-010032-24	WASHER, FLAT 1N	4
14	100966	NUT, HEX SLOTTED 7/8-14	1
15	101988	NUT, HEX LOCK 7/16-20 GRB	1
16	140658	LINK, GAUGE WHEEL	1
17	140663	HUB, GAUGE WHEEL	1
18	140667	ROD WELDMENT, GAUGE WHEEL	1
19	140672	AXLE, GAUGE WHEEL	1
20	141154	WASHER, GANG SHAFT	2
21	141245	SPINDLE, GAUGE WHEEL	1
22	141258	WASHER, THRUST 1-3/4	1
23	141271	TIRE AND WHEEL ASSEMBLY, FRONT **(INCLUDES ITEMS 31-33)**	1
24	141808	SCREW, HEX HEAD CAP 7/16-14 X 3-1/2 GR5	1
25	144198	SPACER, GAUGE WHEEL	1
26	144199	CROSS, GAUGE WHEEL	1
27	164533	BEARING FLANGE, 1-3/4	2
28	183910	LINK, GAUGE WHEEL TOP	1
29	23085	NUT, HEX SLOTTED, 1-3/4-5	1
30	8-105-010003	SCREW, HEX HEAD CAP 1-8 X 6 GR5	4
31	160151	TIRE, 20.5 X 8.0, 10 8 PLY RATING	1
32	160155	WHEEL, 10 X 6, 6-BOLT	1
33	TR416	VALVE, CLAMP IN METAL	1
34	224600	HUB & SPINDLE ASSY, 6 BOLT	--

Hitches

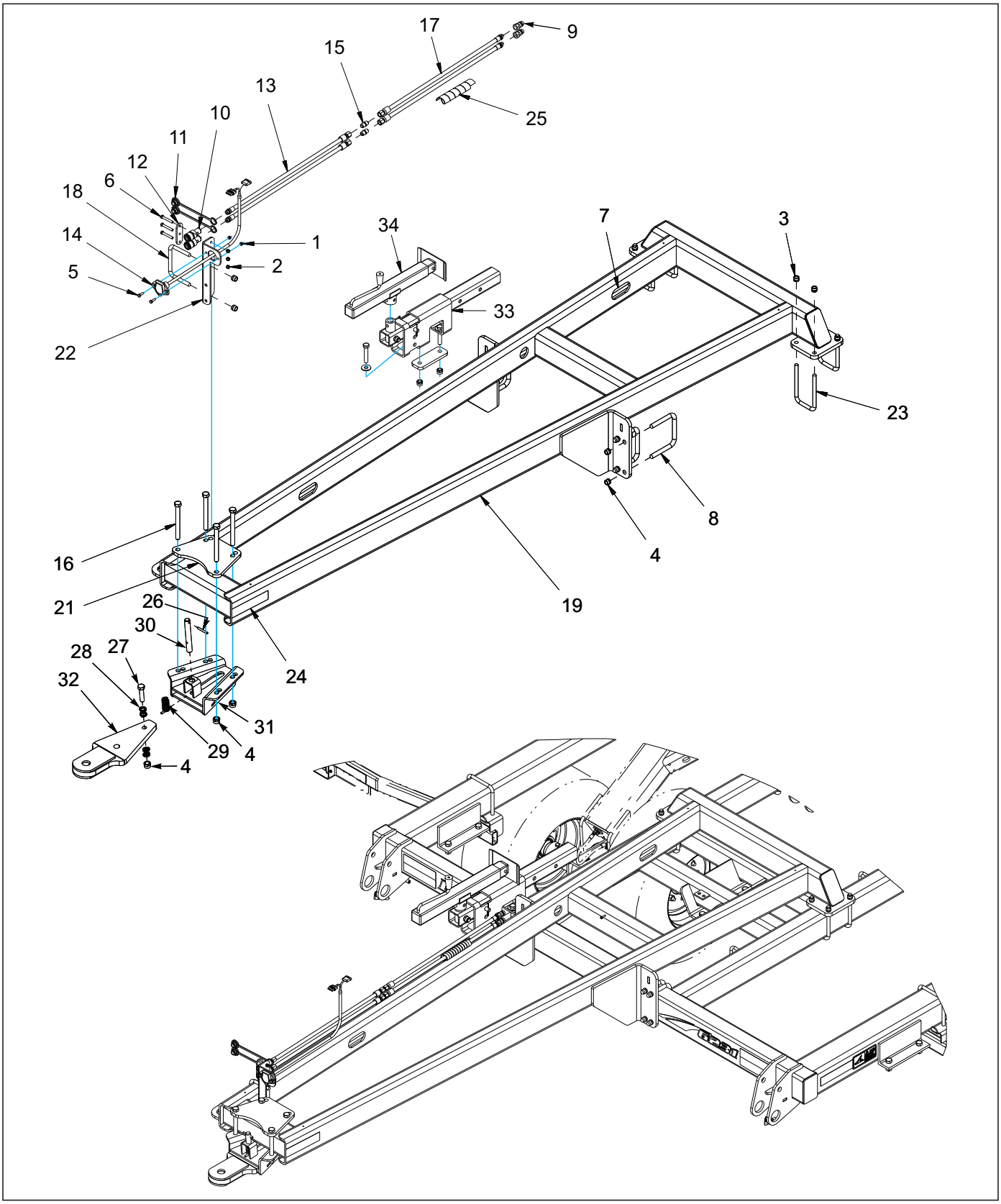


Figure 1-19: Long Rear Tow Hitch Assembly

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Long Rear Tow Hitch Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	198264	LONG REAR TOW HITCH ASSEMBLY	
1	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	10
4	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	12
5	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	2
6	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	3
7	1-822-010001	TRIM 1350 3/8BLK FINE PEBBLE	3
8	111392	U-BOLT, GAUGE WHEEL 1550	4
9	141828	COUPLER,MALE 3/4-16 O-RING	2
10	142668	COUPLER FEMALE 3/4-16 O-RING	2
11	142669	PLUG, COUPLER DUST	2
12	142671	PLATE, COUPLER	1
13	142712	HOSE ASSY 3/8X175#8JICX#80R	2
14	143871	HARNESS, TANDEM ADAPTER	1
15	148338	FITTING, UNION SAE 37 8X8	2
16	172885	SCREW HX CP,3/4-10X7-1/2 GR8ZP	4
17	188774	HOSE ASSY,3/8#8JICX#8ORB 270"	2
18	189433	U-BOLT, 5/8X6-11/16X4-1/2	1
19	195648	HITCH, REAR TOW	1
20	197742	HITCH ASSY, REAR TOW **(ITEMS 4, & 26-32)**	1
21	198259	MOUNTING PLATE, 6 HOLE	1
22	198265	BRACKET, COUPLER MOUNT	1
23	2-102-010037	U-BOLT CENTER SCRAPER	4
24	528934	REFLECTOR - YELLOW	2
25	155530	HOSE, WRAP YELLOW	1
26	1-647-010004240	PIN, SPRING SLOTTED 5/16 X 2-1/2	2
27	1-654-010061-09	SCREW, HEX 3/4-10UNC X 3, GR5	1
28	1-861-010034-17	WASHER, LKG, HLCL SPR, 3/4	4
29	162191	SPRING, COMP 1.218 X 2.5	1
30	168773	PIN, REAR TOW HITCH	1
31	197743	MOUNT, REAR TOW HITCH	1
32	197746	HITCH, REAR TOW, RIGID	1
33	156953	REAR JACK MOUNT **(SEE PAGE 1-39)**	1
34	140647	JACK, SIDE WIND 7000/8000 LB	1

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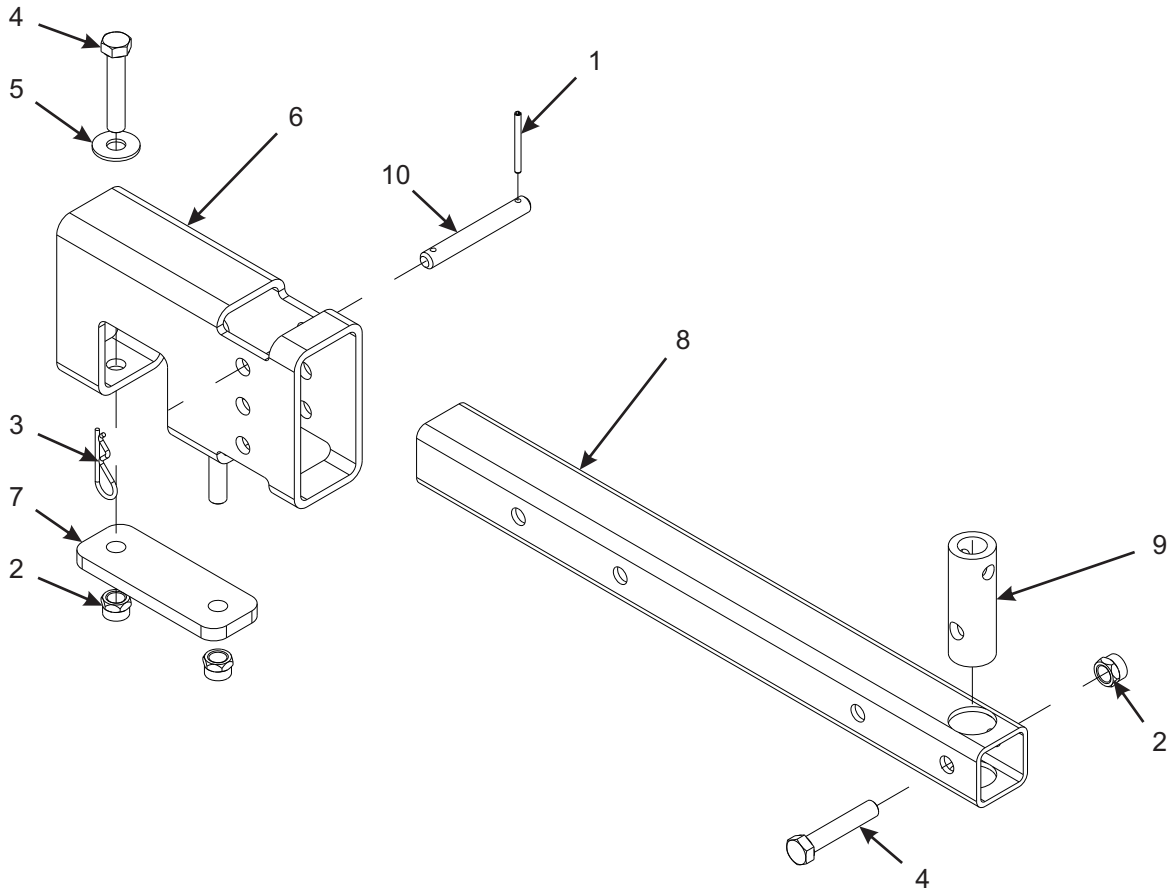


Figure 1-20: Rear Jack Assembly

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Rear Jack Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	156953	REAR JACK MOUNT	
1	0600-250-03000	ROLL PIN, SLOTTED 1/4 X 3	1
2	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	3
3	1-557-010013	PIN, HAIR 3/16	1
4	1-654-010061-13	SCREW, HEX HEAD CAP 3/4-10 x 4 GR5	3
5	1-861-010032-21	WASHER, FLAT 3/4W	2
6	156954	MOUNT, REAR JACK	1
7	156955	PLATE, REAR JACK MOUNT	1
8	156956	SQ. TUBE, REAR JACK	1
9	156957	TUBE, JACK MOUNT	1
10	2-557-010409	PIN, WING LOCK	1

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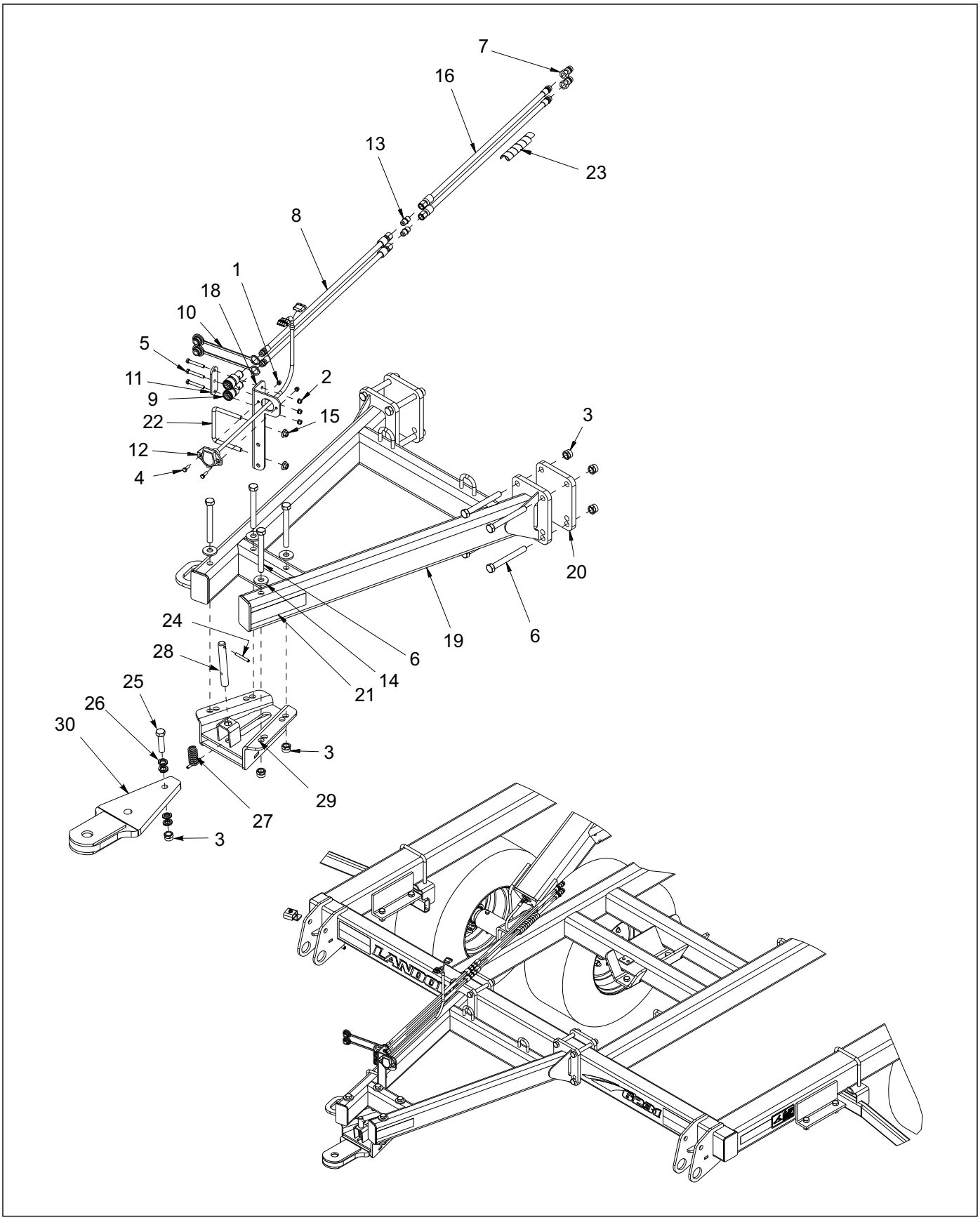


Figure 1-21: Straight Rear Tow Hitch

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Straight Rear Tow Hitch

ITEM	PART NO.	DESCRIPTION	QTY.
--	198266	REAR TOW HITCH - STRAIGHT	
1	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	13
4	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	2
5	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	3
6	100855	SCREW, HHCS,3/4-10X6-1/2 GR5	12
7	141828	COUPLER,MALE 3/4-16 O-RING	2
8	141922	HOSE ASSY 3/8X120 #8 JICX#80R	2
9	142668	COUPLER FEMALE 3/4-16 O-RING	2
10	142669	PLUG, COUPLER DUST	2
11	142671	PLATE, COUPLER	1
12	143871	HARNESS, TANDEM ADAPTER	1
13	148338	FITTING, UNION SAE 37 8X8	2
14	168750	WASHER FLAT 3/4	4
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	188774	HOSE ASSY,3/8#8JICX#8ORB 270"	2
17	197742	HITCH ASSY, REAR TOW **(ITEMS 3, & 24-30)**	1
18	198265	BRACKET, COUPLER MOUNT	1
19	198267	HITCH, STR REAR TOW	1
20	198268	MOUNTING PLATE, REAR TOW HITCH	2
21	528934	REFLECTOR - YELLOW	2
22	7K858	U-BOLT 1/2-13X5-1/2 X 4-1/4	1
23	155530	HOSE, WRAP YELLOW	1
24	1-647-010004240	PIN, SPRING SLOTTED 5/16 X 2-1/2	2
25	1-654-010061-09	SCREW, HEX 3/4-10UNC X 3, GR5	1
26	1-861-010034-17	WASHER, LKG, HLCL SPR, 3/4	4
27	162191	SPRING, COMP 1.218 X 2.5	1
28	168773	PIN, REAR TOW HITCH	1
29	197743	MOUNT, REAR TOW HITCH	1
30	197746	HITCH, REAR TOW, RIGID	1

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Disc Gang Assemblies

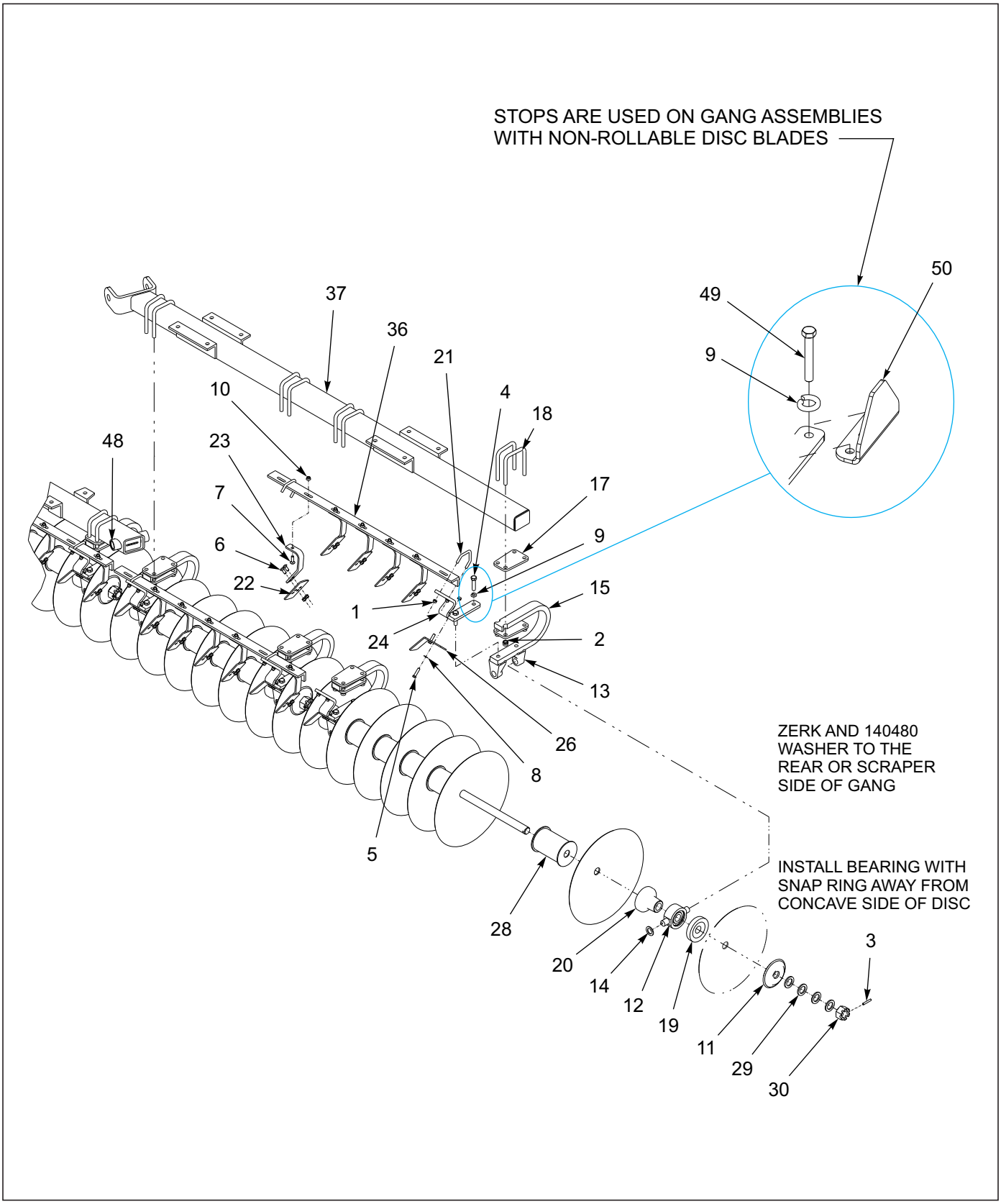
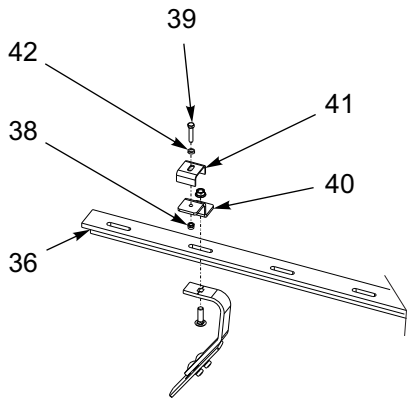
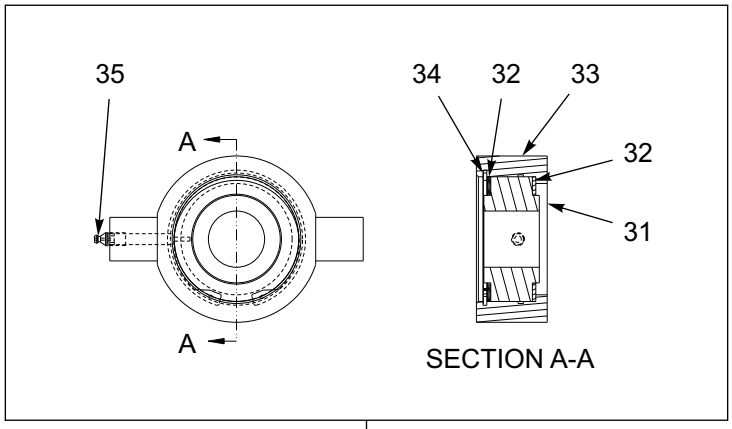


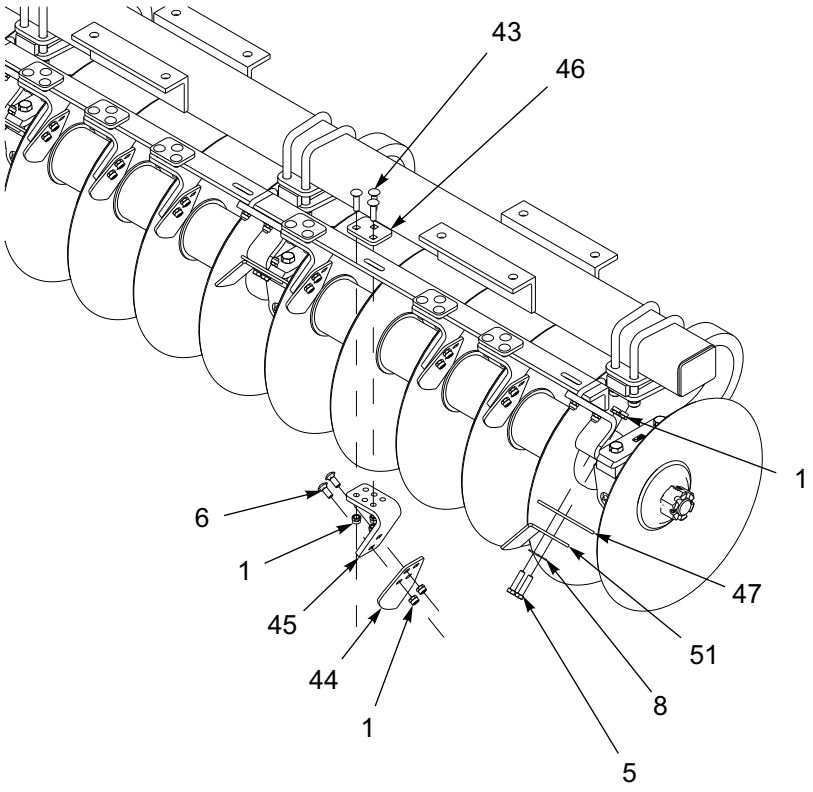
Figure 1-22: Disc Gang Assembly 24” & 26” (8-3/4” Spacing) (1 of 2)



HOSE CLAMP ASSEMBLY



12



HEAVY DUTY SCRAPER OPTION

Figure 1-23: Disc Gang Assembly 24” & 26”(8-3/4” Spacing) (2 of 2)

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Disc Gang Assembly 24” & 26”(8-3/4” Spacing)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	
2	1-512-010005-15	NUT HEX LOCK 3/4-10 GRB	
3	1-647-010004257	PIN, SPRING SLOTTED 3/8 X 2-1/2	
4	1-654-010032-09	SCREW, HEX HEAD CAP 3/4-10 X 3 GR8	
5	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	
6	1-654-010070-02	SCREW, RD HEAD SQ NECK 1/2-13 X 1-1/4	
7	160161	SCREW, RD HEAD SQ NECK 1/2-13 X 1-3/4, GR8, ZP	
8	1-861-010032-14	WASHER, FLAT 1/2N	
9	1-861-010034-17	WASHER, SPLIT LOCK 3/4	
10	172509	NUT, 1/2-13 WIDE FLANGE TOP LOCK	
11	140469	END COLLAR	
12	140477	BEARING ASSEMBLY, DISC 1.775 ID **(ITEMS 31-35)**	
13	140479	MOUNT, TRUNNION BEARING	
14	140480	WASHER, TRUNNION	
15	140481*	SHANK, DISC BEARING, RIGHT	
16	140482**	SHANK, DISC BEARING, LEFT **(NOT SHOWN)**	
17	140483	PLATE, DISC SHANK MOUNT	
18	140484	U-BOLT, 3/4 X 5	
19	140485	HALF SPOOL, CONCAVE	
20	140486	HALF SPOOL, CONVEX	
21	140487	U-BOLT, SCRAPER BAR MOUNT, 8-3/4” SP	
22	140488	SCRAPER, 4-1/2” **(USED W/ 140465, 142662, & 141871)**	
22	191444	SCRAPER, 4-1/2” IN LC **(USED W/ 169575)**	
23	172724	SCRAPER ARM	
24	140490*	MOUNT, SCRAPER BAR RIGHT	
25	140491**	MOUNT, SCRAPER BAR LEFT **(NOT SHOWN)**	
26	140492*	SCRAPER, DUAL RIGHT **(USE W/ 140465, 142662, & 141871)**	
26	195694	SCRAPER, DUAL RIGHT, 28 X 8-3/4 **(USE W/ 169595)**	
27	140493**	SCRAPER, DUAL LEFT **(NOT SHOWN)**	
27	195695	SCRAPER, DUAL LEFT, 28 X 8-3/4 **(NOT SHOWN) (USE W/ 169595)**	
28	140496	SPOOL WELDMENT 8-3/4”	
29	141154	WASHER, GANG SHAFT	
30	23085	NUT, HEX SLOTTED 1-3/4 - 5	
31	140464	BEARING, DISC 1.775ID	
32	140473	WASHER, BEARING	
33	140475	CASTING, TRUNNION BEARING	
34	140476	INTERNAL RETAINING RING	
35	5000	ZERK, FITTING 1/8	
36	141170	SCRAPER BAR **(SEE PAGES 1-53 THRU 1-101)**	
37	193534	GANG BAR **(SEE PAGES 1-53 THRU 1-101)**	
38	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	
39	1-654-010051-08	SCREW, HEX HEAD CAP 3/8-16 X 1-3/4 GR5	
40	141275	BRACKET, HOSE CLAMP	
41	2-181-010001	HOSE CLAMP	
42	1-861-010032-11	WASHER, FLAT 3/8	
43	1-654-010070-05	SCREW, RD HEAD SQ NECK 1/2-13 X 2	
44	161522	SCRAPER BLADE	
45	161523	SCRAPER ARM	

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Disc Gang Assembly 24” & 26”(8-3/4” Spacing)

ITEM	PART NO.	DESCRIPTION	QTY.
46	161524	CLAMP, SCRAPER	
47	174329	SCRAPER, DUAL ADJ BACK	
48	140599	BEARING, FLANGE 1-1/2	
49	114029	SCREW, HEX CAP, 3/4-10UNC, GR8	
50	143988	STOP, DISC SHANK	
51	174330	SCRAPER, DUAL ADJ RIGHT	
52	174331	SCRAPER, DUAL ADJ LEFT **(NOT SHOWN)**	

*** USED RIGHT FRONT AND LEFT REAR GANGS**

**** USED LEFT FRONT AND RIGHT REAR GANGS**

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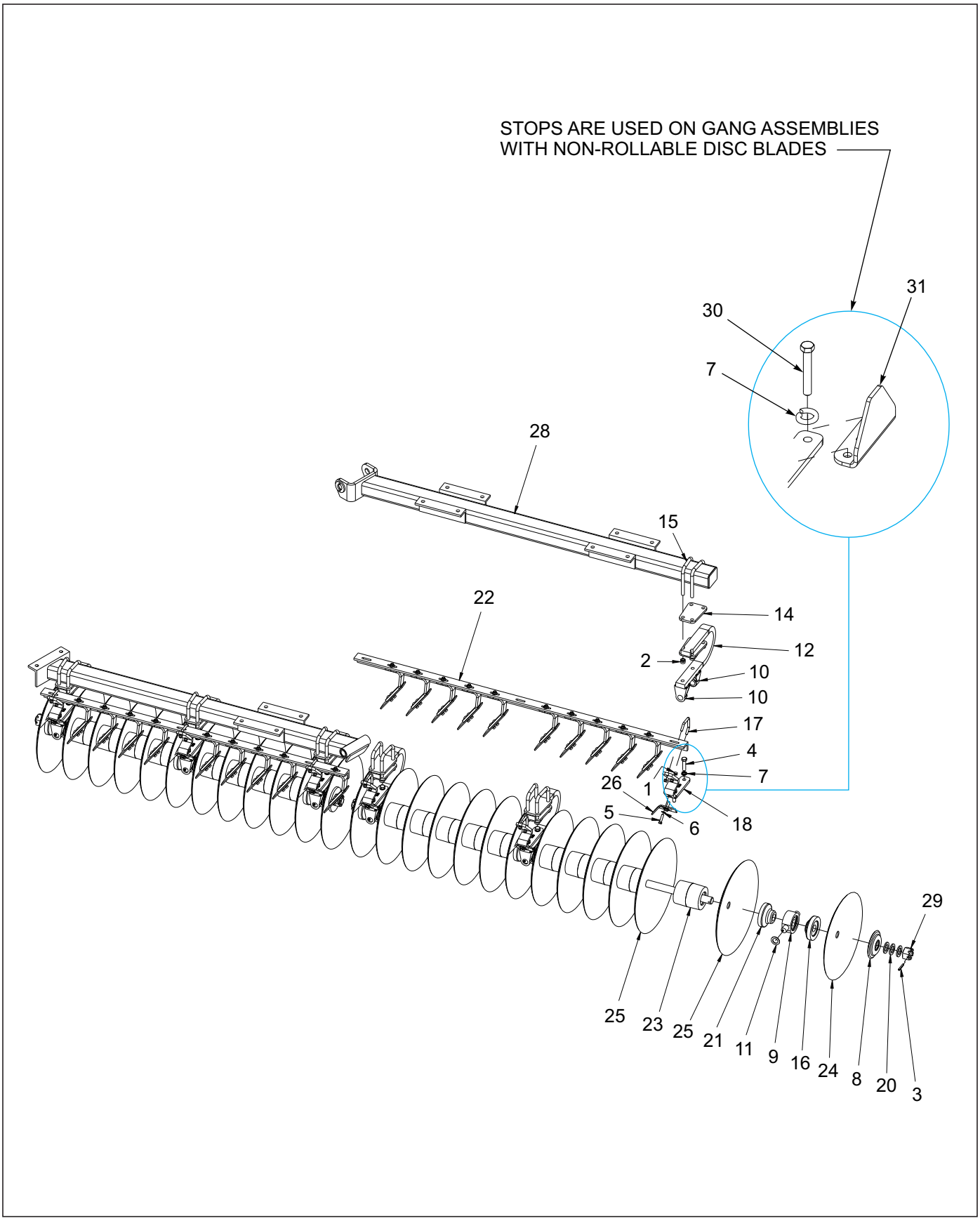


Figure 1-24: Disc Gang Assembly 24” (7” Spacing)

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Disc Gang Assembly 24” (7” Spacing)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	
3	1-647-010004257	PIN,SPRING,SLOTTED 3/8X2-1/2	
4	1-654-010032-09	SCREW HEX CAP 3/4-10X3 GR8	
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	
6	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	
7	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4	
8	140469	END COLLAR	
9	140477	BEARING, DISC 1.775 ID ASSY	
10	140479	MOUNT, TRUNNION BEARING	
11	140480	WASHER, TRUNNION	
12	140481*	SHANK, DISC BEARING, RIGHT	
13	140482**	SHANK, DISC BEARING, LEFT **(NOT SHOWN)**	
14	140483	PLATE, DISC SHANK MOUNT	
15	140484	U-BOLT, 3/4 X 5	
16	140485	HALF SPOOL, CONCAVE	
17	140487	UBOLT, SCRAPER BAR MOUNT	
18	140490*	MOUNT, SCRAPER BAR RIGHT	
19	140491**	MOUNT, SCRAPER BAR LEFT **(NOT SHOWN)**	
20	141154	WASHER GANG SHAFT	
21	153651	HALF SPOOL, CONVEX 7 SP	
22	153703	SCRAPER BAR, 7 SP 12 HOLE **(SEE PAGES 1-53 THRU 1-101)**	
23	154668	SPOOL, CAST 7 SP **(FRONT GANG)**	
23	153652	SPOOL WELDMENT, 7 SP **(REAR GANG)**	
24	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID **(NON ROLLABLE)**	
24	155618	DISC BLADE, 22" X 1/4” 1-3/4 ID (**ROLLABLE)**	
25	161530	DISC BLADE, 24"X 1/4”, 1-3/4”ID **(NON ROLLABLE)**	
25	172076	DISC BLADE, 24"X 1/4”, 1-3/4”ID **(ROLLABLE)**	
26	180140	SCRAPER, DUAL RT, 7-24” LC	
27	180141	SCRAPER, DUAL LT, 7-24” LC **(NOT SHOWN)**	
28	193513	GANG BAR, LCF 30-36 **(SEE PAGES 1-53 THRU 1-101)**	
29	23085	NUT HEX SLOTTED 1 3/4-5	
30	114029	SCREW, HEX CAP, 3/4-10 UNC,GR8	
31	143988	STOP, DISC SHANK	

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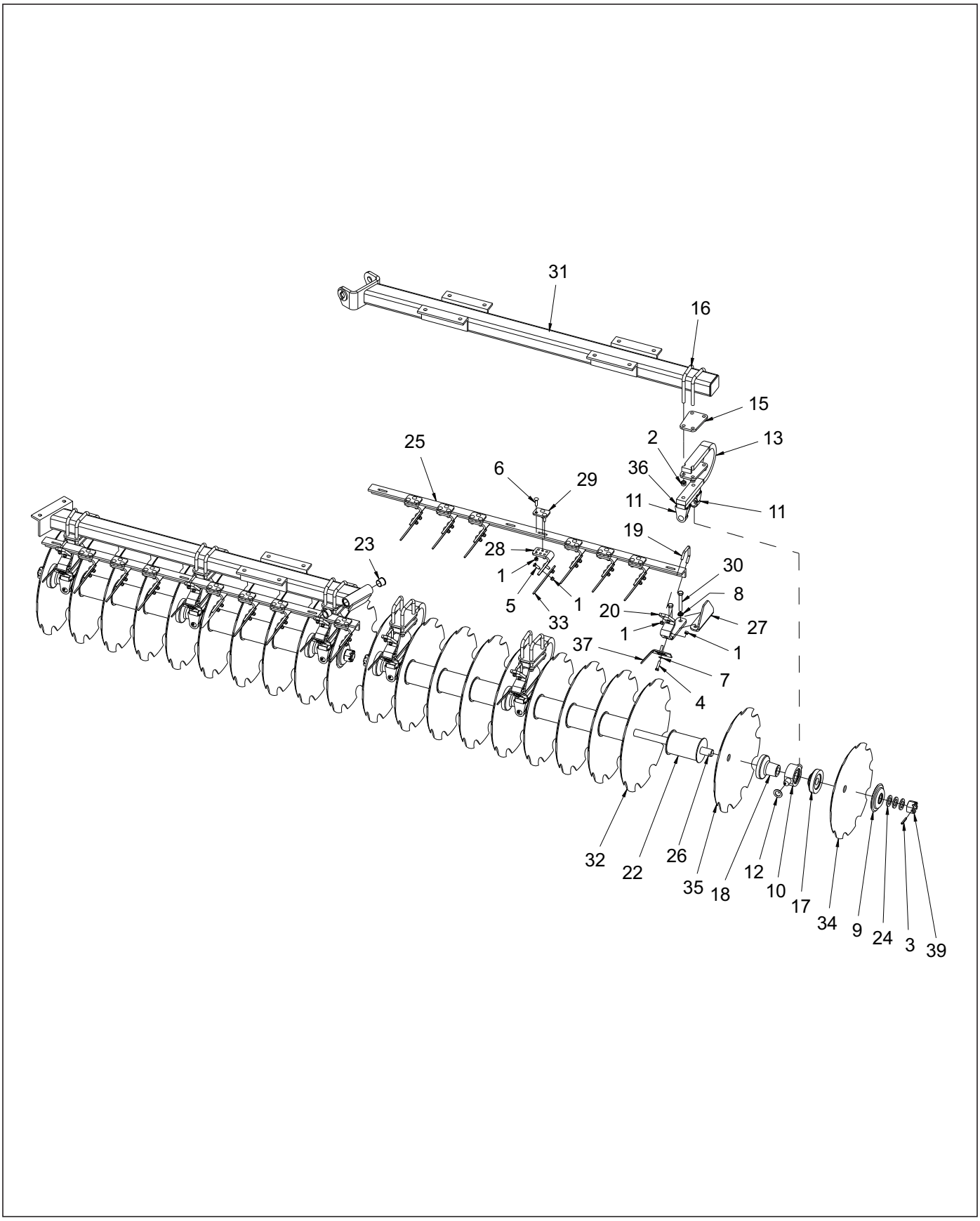
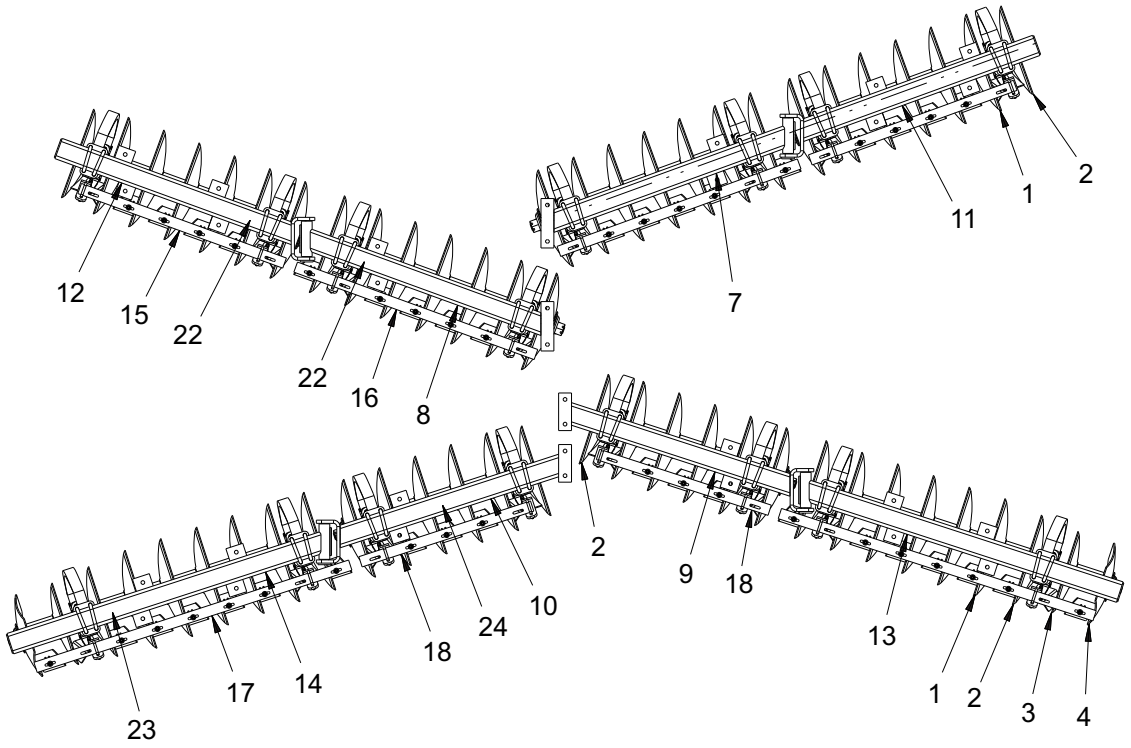


Figure 1-25: Disc Gang Assembly 28” X 5/16” (8-3/4” Spacing & 10-1/2” Spacing)

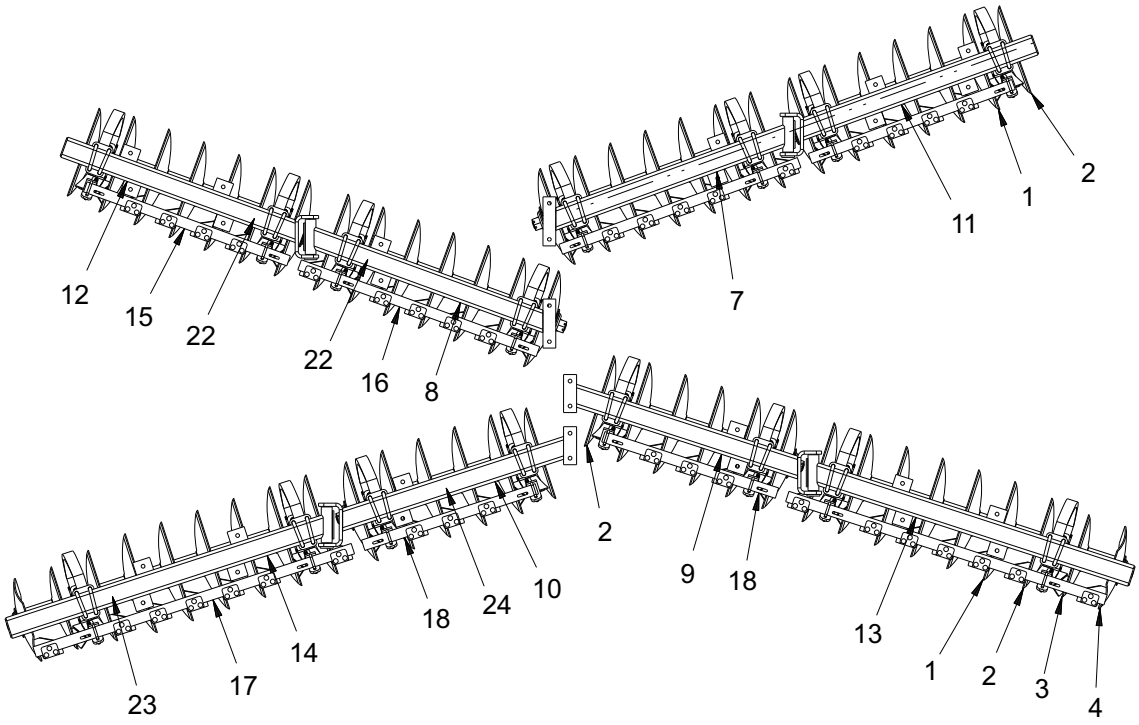
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Disc Gang Assembly 28” X 5/16” (8-3/4” & 10-1/2” Spacing)

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	
3	1-647-010004257	PIN,SPRING,SLOTTED 3/8X2-1/2	
4	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	
5	1-654-010070-03	SCREW RDHD SQNK1/2-13X1-1/2	
6	1-654-010070-05	SCREW,RDHD SQNCK 1/2-13X2 GR5	
7	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	
8	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4	
9	140469	END COLLAR	
10	140477	BEARING, DISC 1.775 ID ASSY	
11	140479	MOUNT, TRUNNION BEARING	
12	140480	WASHER, TRUNNION	
13	140481*	SHANK, DISC BEARING, RIGHT	
14	140482**	SHANK, DISC BEARING, LEFT **(NOT SHOWN)**	
15	140483	PLATE, DISC SHANK MOUNT	
16	140484	U-BOLT, 3/4 X 5	
17	140485	HALF SPOOL, CONCAVE, 8-3/4” & 10-1/2” IN	
18	140486	HALF SPOOL, CONVEX, 8-3/4” IN	
19	148363	HALF SPOOL, CONVEX, 10-1/2 IN	
19	140487	UBOLT, SCRAPER BAR MOUNT	
20	140490*	MOUNT, SCRAPER BAR RIGHT	
21	140491**	MOUNT, SCRAPER BAR LEFT **(NOT SHOWN)**	
22	140496	SPOOL WELDMENT, 8-3/4 IN	
22	148364	SPOOL WELDMENT, 10-1/2 IN	
23	140599	BEARING, FLANGE 1-1/2	
24	141154	WASHER GANG SHAFT	
25	141171	SCRAPER BAR **(SEE PAGES 1-53 THRU 1-105)**	
26	142703	SHAFT, GANG **(SEE PAGES 1-53 THRU 1-105)**	
27	143988	STOP, DISC SHANK	
28	161523	ARM, SCRAPER	
29	161524	CLAMP, SCRAPER	
30	172883	SCREW HX CP,3/4-10X5 GR8 ZP	
31	193514	GANG BAR **(SEE PAGES 1-53 THRU 1-105)**	
32	195676	DISC BLADE, 28X5/16	
32	195677	DISC BLADE, 28X5/16 NOTCHED	
33	195685	BLADE, SCRAPER HD 28"	
34	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	
34	195690	DISC BLADE, 24X5/16 NOTCHED	
35	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	
35	195691	DISC BLADE, 26X5/16 NOTCHED	
36	195692	SPACER, DISC GANG	
37	195694	SCRAPER, DUAL RT 28X8-3/4	
37	197737	SCRAPER, DUAL LT 28X10-1/2	
38	195695	SCRAPER, DUAL LT 28X8-3/4 **(NOT SHOWN)**	
38	197736	SCRAPER, DUAL RT 28X10-1/2 **(NOT SHOWN)**	
39	23085	NUT HEX SLOTTED 1 3/4-5	

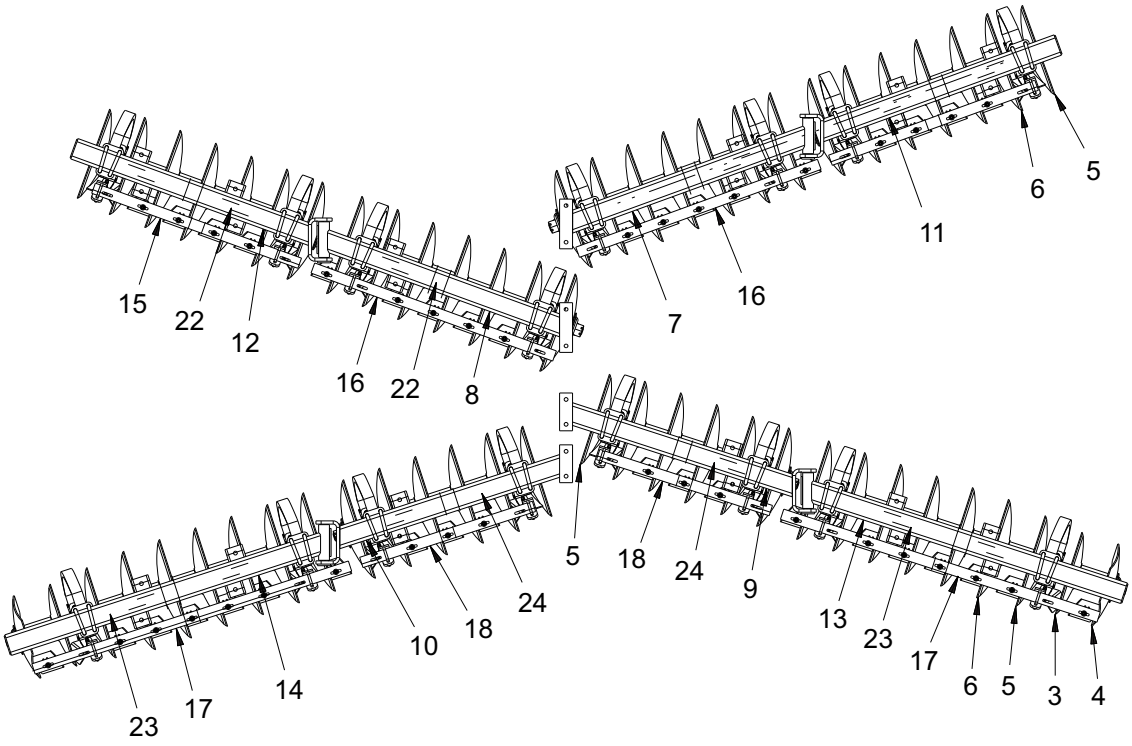


6231-21 24” 4GA DISC BLADES (191424)

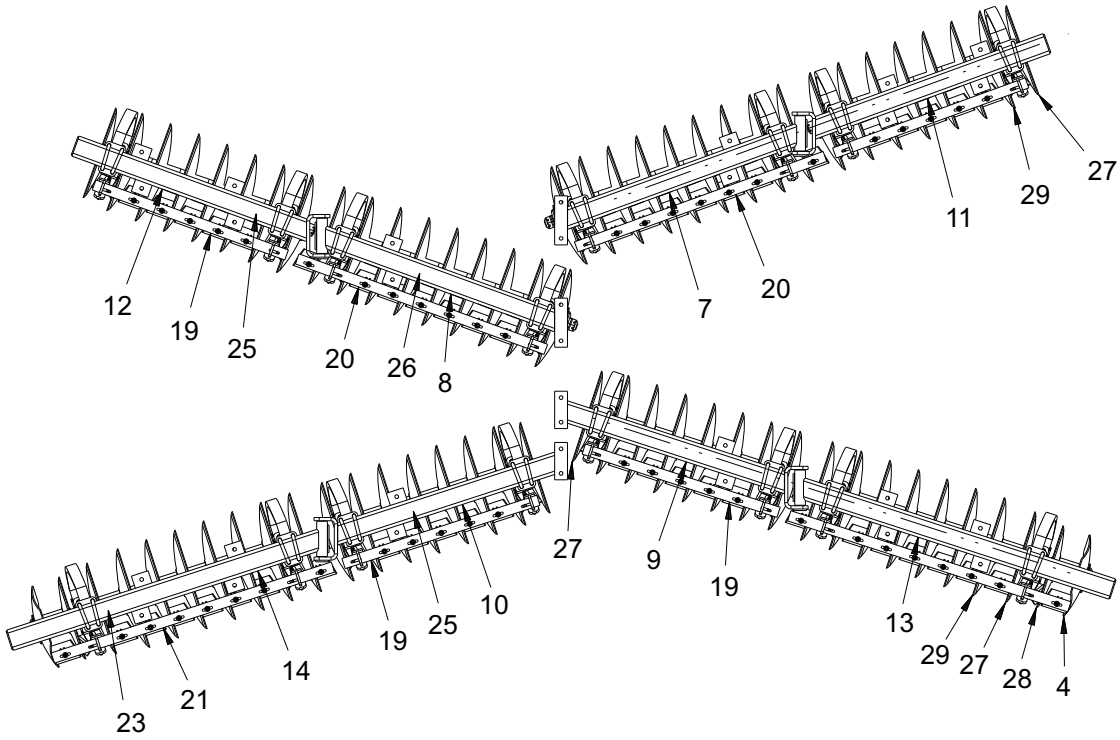


6231-21 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195640)

Figure 1-26: Disc Gang Placement - 21' (24” Disc Blades) (1 of 3)



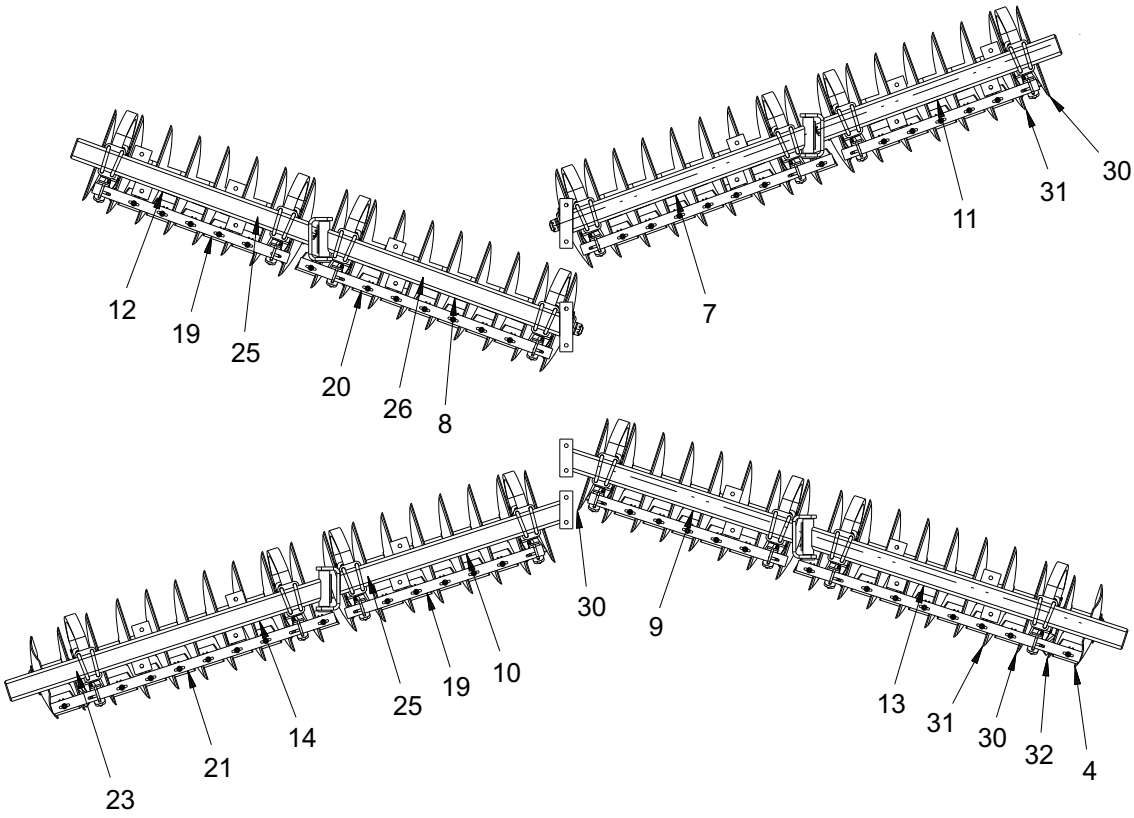
6231-21 24” 4GA DISC BLADES - ROLLABLE (193555)



6231-21 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191431)

Figure 1-27: Disc Gang Placement - 21' (24” Disc Blades) (2 of 3)

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6231-21 24” 4GA DISC BLADES - 7 SPACING (198289)

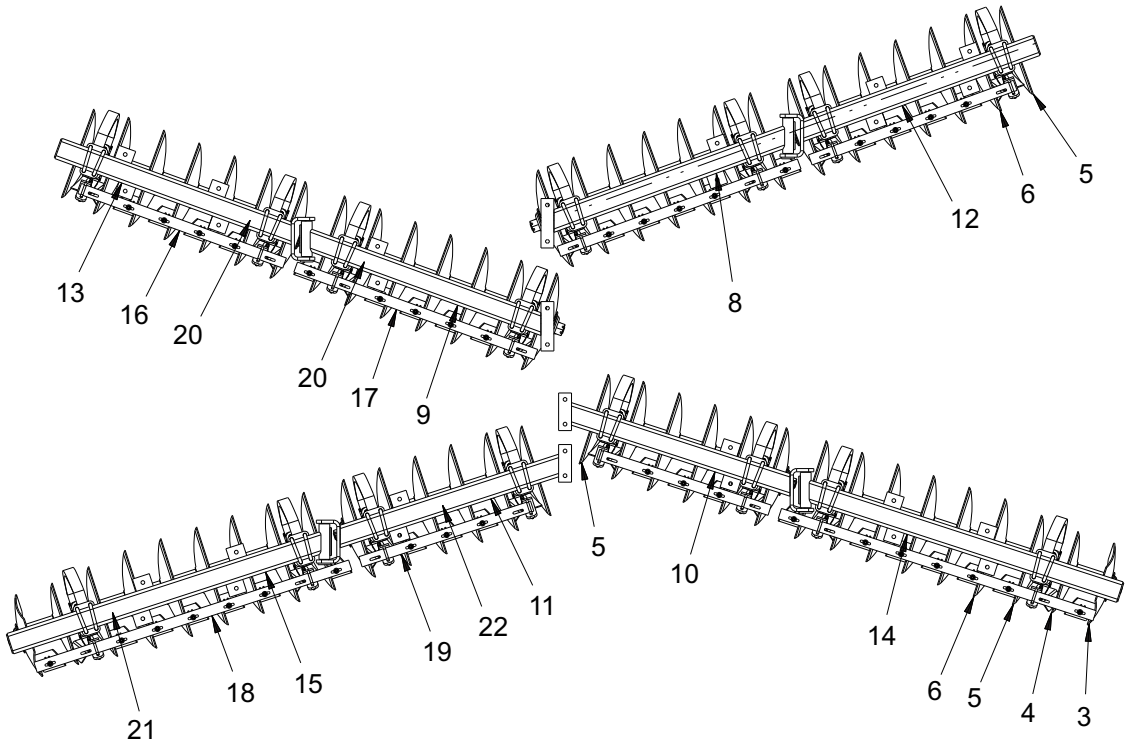
Figure 1-28: Disc Gang Placement - 21' (24” Disc Blades) (3 of 3)

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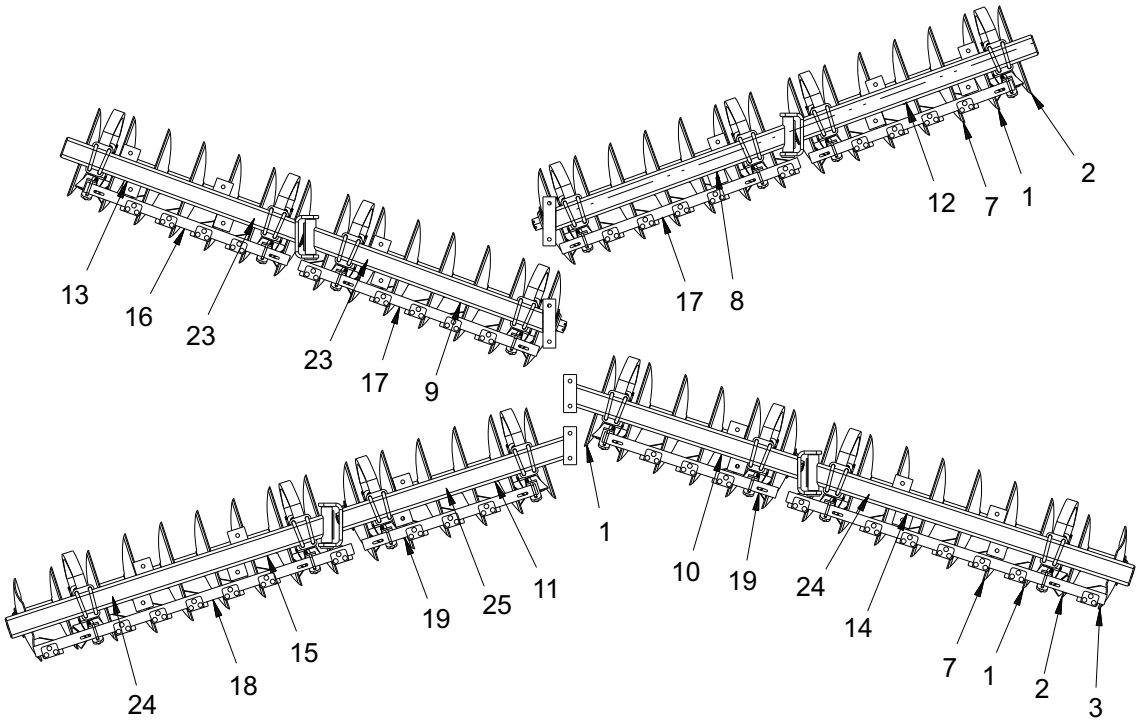
Disc Gang Placement - 21' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191424	GANG ASSEMBLY, 24” 4 GA	*				
--	195640	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193555	GANG ASSY, 24" 4GA ROLL 21 (**ROLLABLE)**			*		
--	191431	GGANG ASSY, 24" 7SP ROLL 4GA 21 (**ROLLABLE)**				*	
--	198289	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	48	48	--	--	--
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
6	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	48	--	--
7	193508	GANG BAR, RCF 21'-29'	1	1	1	1	1
8	193509	GANG BAR, LCF 21'-29'	1	1	1	1	1
9	193510	GANG BAR, RCR 21'-29'	1	1	1	1	1
10	193511	GANG BAR, LCR 21'-29'	1	1	1	1	1
11	193516	GANG BAR, RWF 21'	1	1	1	1	1
12	193517	GANG BAR, LWF 21'	1	1	1	1	1
13	193518	GANG BAR, RWR 21'	1	1	1	1	1
14	193519	GANG BAR, LWR 21'	1	1	1	1	1
15	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	2	2	2	--	--
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2	2	--	--
17	141170	SCRAPER BAR, 8-3/4 SP 9 HOLE	2	2	2	--	--
18	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2	2	--	--
19	153698	SCRAPER BAR, 7 SP 7 HOLE	--	--	--	4	4
20	153700	SCRAPER BAR, 7 SP 9 HOLE	--	--	--	2	2
21	153702	SCRAPER BAR, 7 SP 11 HOLE	--	--	--	2	2
22	141163	SHAFT, GANG 59"	4	4	4	--	--
23	141165	SHAFT, GANG 76-1/2”	2	2	2	2	2
24	141184	SHAFT, GANG 50-1/2”	2	2	2	--	--
25	153713	SHAFT, GANG 55-1/2”	--	--	--	4	4
26	154663	SHAFT, GANG 62-1/2”	--	--	--	2	2
27	155618	DISC BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
28	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
29	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	62	--
30	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
31	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	62
32	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2

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6231-21 26” 4GA DISC BLADES (198274)



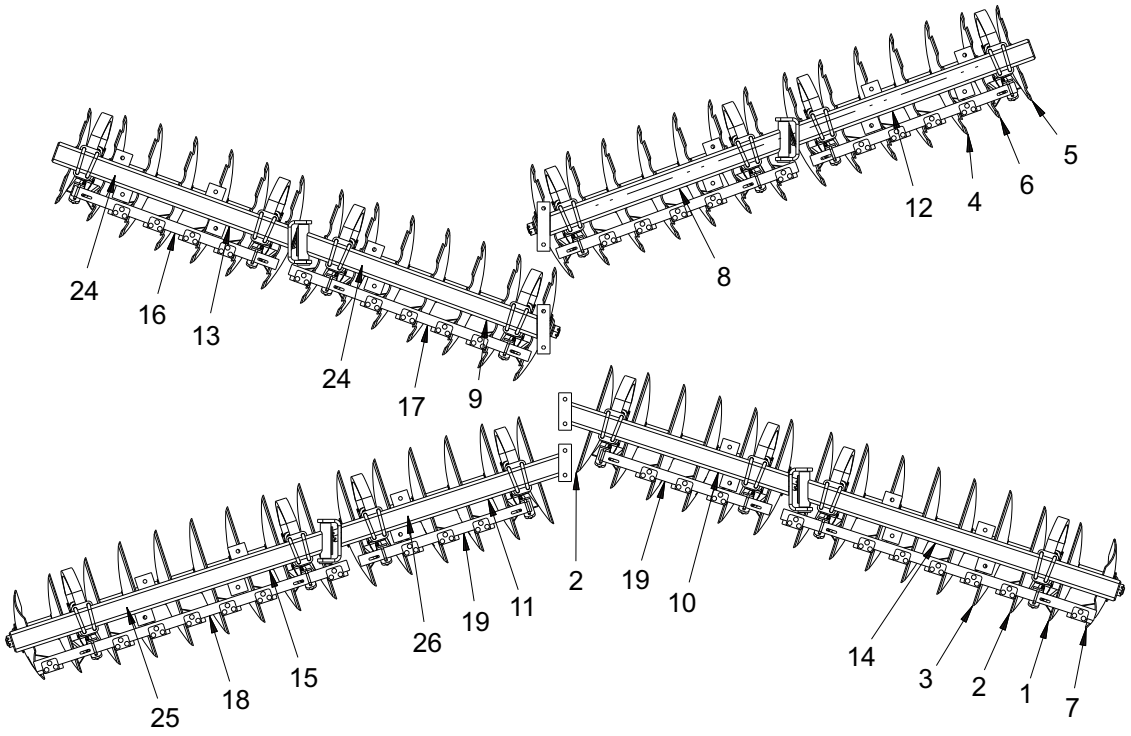
6231-21 26” X 5/16 DISC BLADES (194609)

Figure 1-29: Disc Gang Placement - 21' (26” Disc Blades)

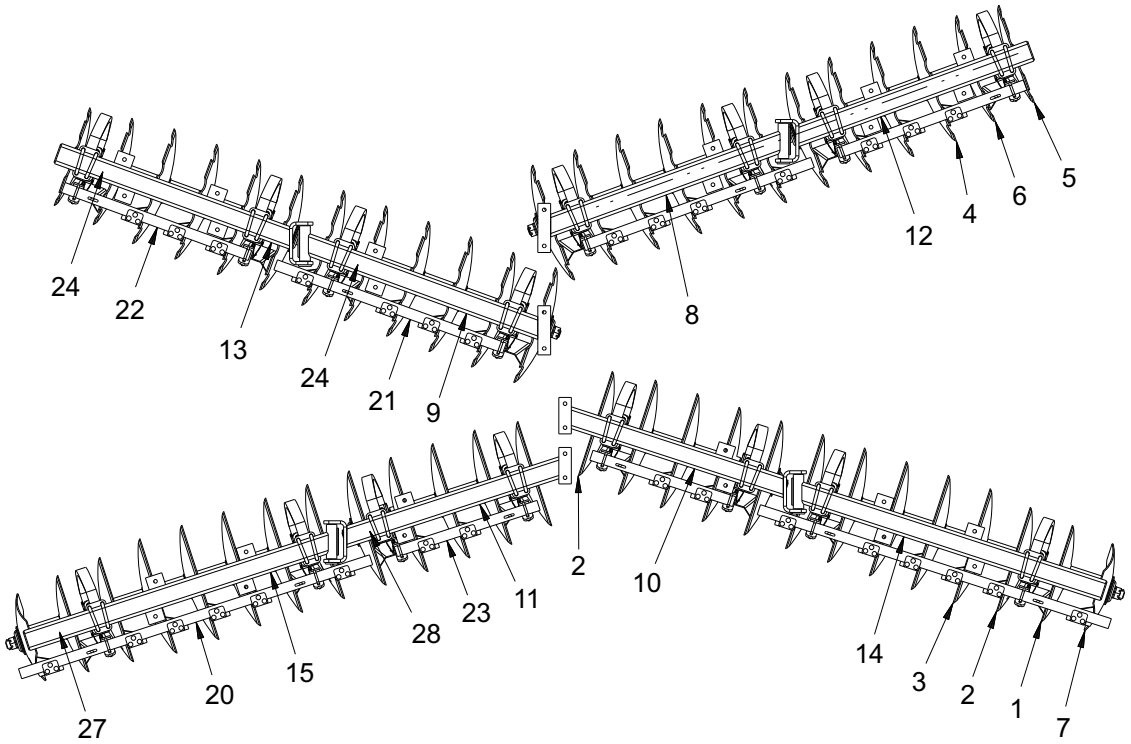
https://truckmanualshub.com/

Disc Gang Placement - 21' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198274	GANG ASSEMBLY, 26” 4GA	*	
--	194609	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	48	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID		46
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193516	GANG BAR, RWF 21'	1	1
13	193517	GANG BAR, LWF 21'	1	1
14	193518	GANG BAR, RWR 21'	1	1
15	193519	GANG BAR, LWR 21'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	2	2
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2
18	141170	SCRAPER BAR, 8-3/4 SP 9 HOLE	2	2
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2
20	141163	SHAFT, GANG 59"	4	--
21	141165	SHAFT, GANG 76-1/2”	2	--
22	141184	SHAFT, GANG 50-1/2”	2	--
23	142579	SHAFT, GANG 59-1/2”	--	4
24	142581	SHAFT, GANG 77”	--	2
25	142705	SHAFT, GANG 51”	--	2



6231-21 28” X 5/16” 8-3/4 NFPR DISC BLADES (195678)



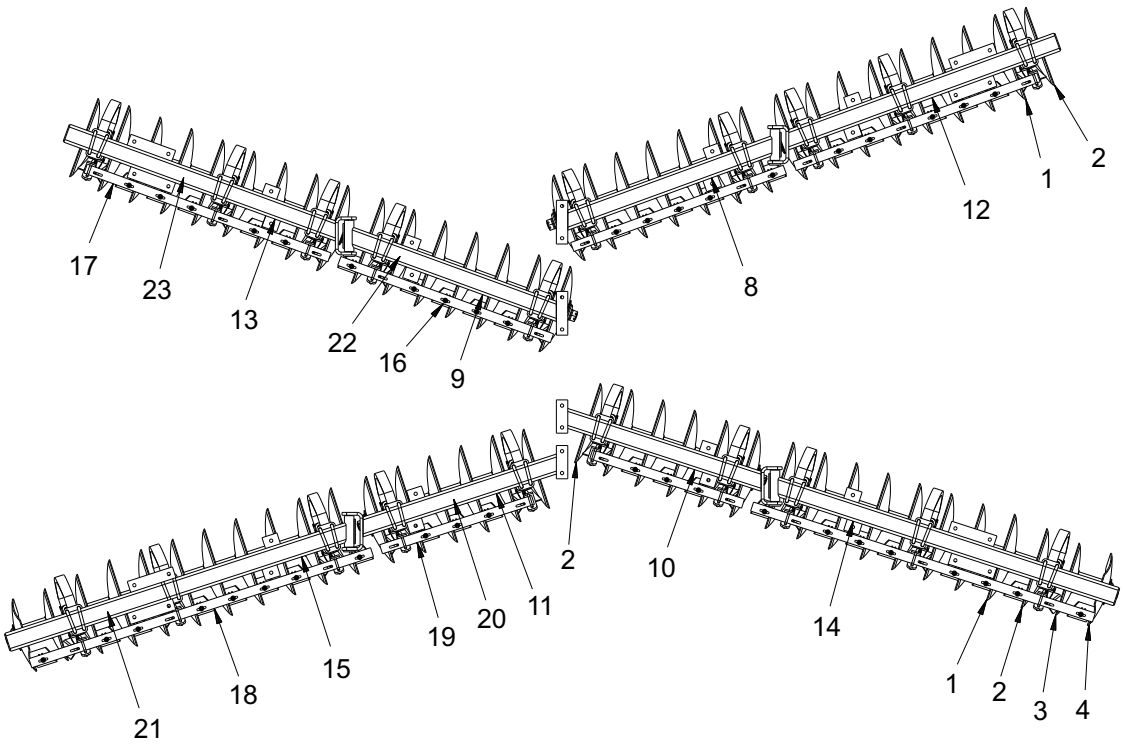
6231-21 28” X 5/16” 10-1/2 NFPR DISC BLADES (197726)

Figure 1-30: Disc Gang Placement - 21' (28” Disc Blades)

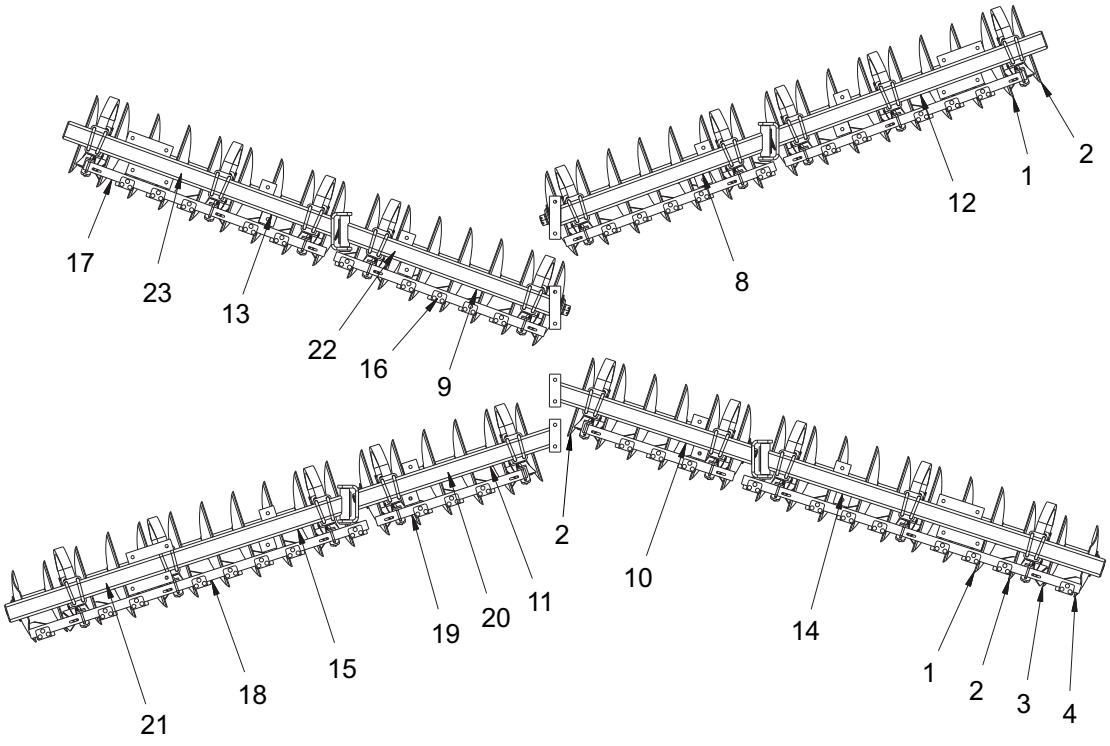
https://truckmanualshub.com/

Disc Gang Placement - 21' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195678	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197726	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	22	18
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	24	20
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22" X 1/4" 3-SIDED	2	2
8	193508	GANG BAR, RCF 21'-29	1	1
9	193509	GANG BAR, LCF 21'-29	1	1
10	193510	GANG BAR, RCR 21'-29	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193516	GANG BAR, RWF 21'	1	1
13	193517	GANG BAR, LWF 21'	1	1
14	193518	GANG BAR, RWR 21'	1	1
15	193519	GANG BAR, LWR 21'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	2	--
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	--
18	141170	SCRAPER BAR, 8-3/4 SP 9 HOLE	2	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	--
20	149605	SCRAPER BAR, 10-1/2 SP 8 HOLE	--	2
21	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	2
22	197734	SCRAPER BAR, 10-1/2 SP 4 HOLE	--	2
23	197733	SCRAPER BAR, 10-1/2 SP 3 HOLE	--	2
24	142579	SHAFT, GANG 59-1/2”	4	4
25	142581	SHAFT, GANG 77”	2	--
26	142705	SHAFT, GANG 51”	2	--
27	185724	SHAFT, GANG 80-1/2”	--	2
28	195698	SHAFT, GANG 49”	--	2

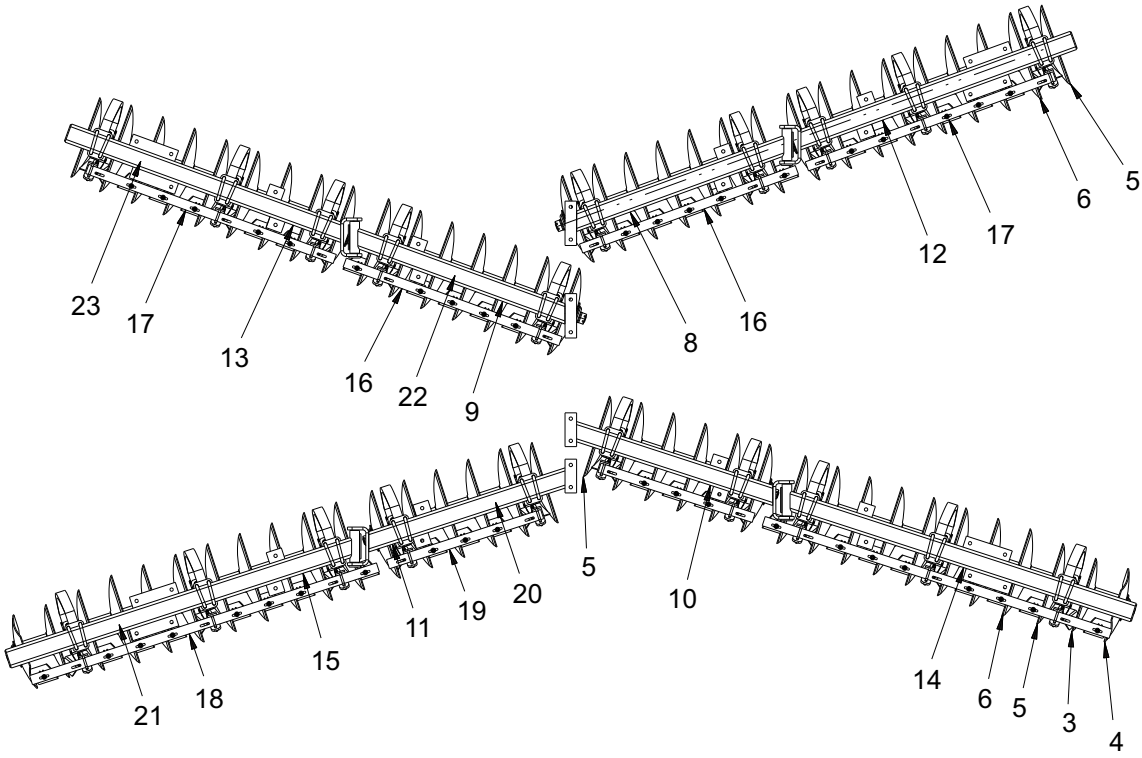


6231-23 24” 4GA DISC BLADES (191425)

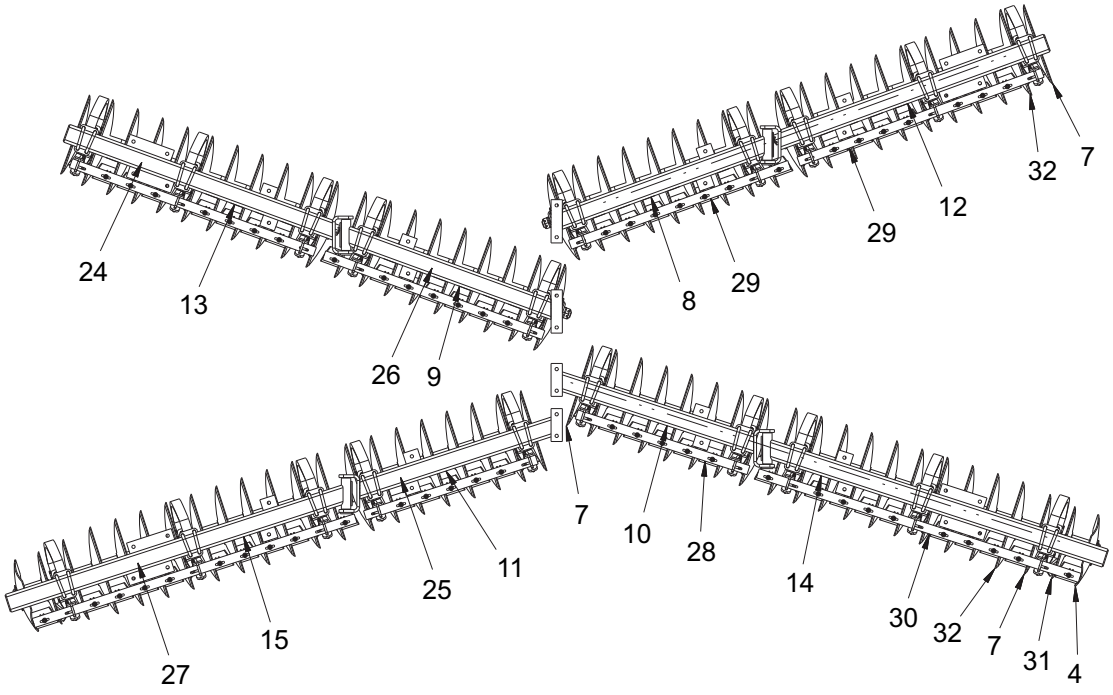


6231-23 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195641)

Figure 1-31: Disc Gang Placement - 23' (24” Disc Blades) (1 of 3)



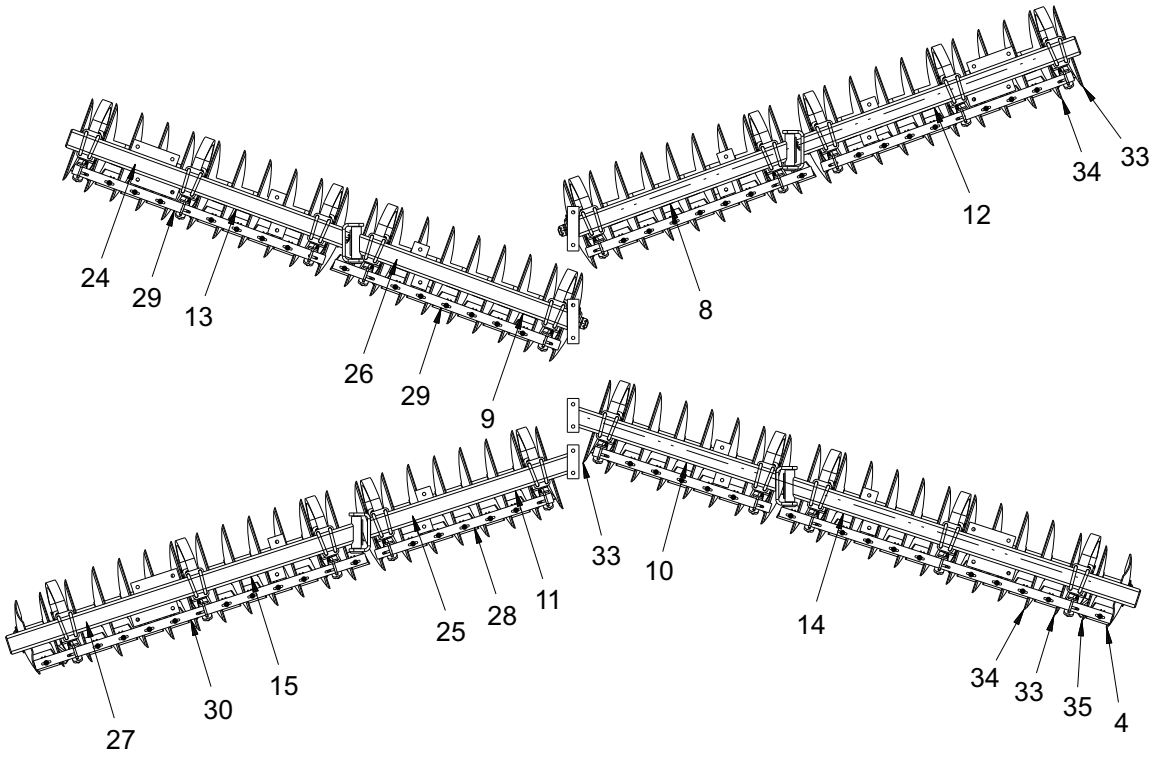
6231-23 24” 4GA DISC BLADES - ROLLABLE (193556)



6231-23 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191432)

Figure 1-32: Disc Gang Placement - 23' (24” Disc Blades) (2 of 3)

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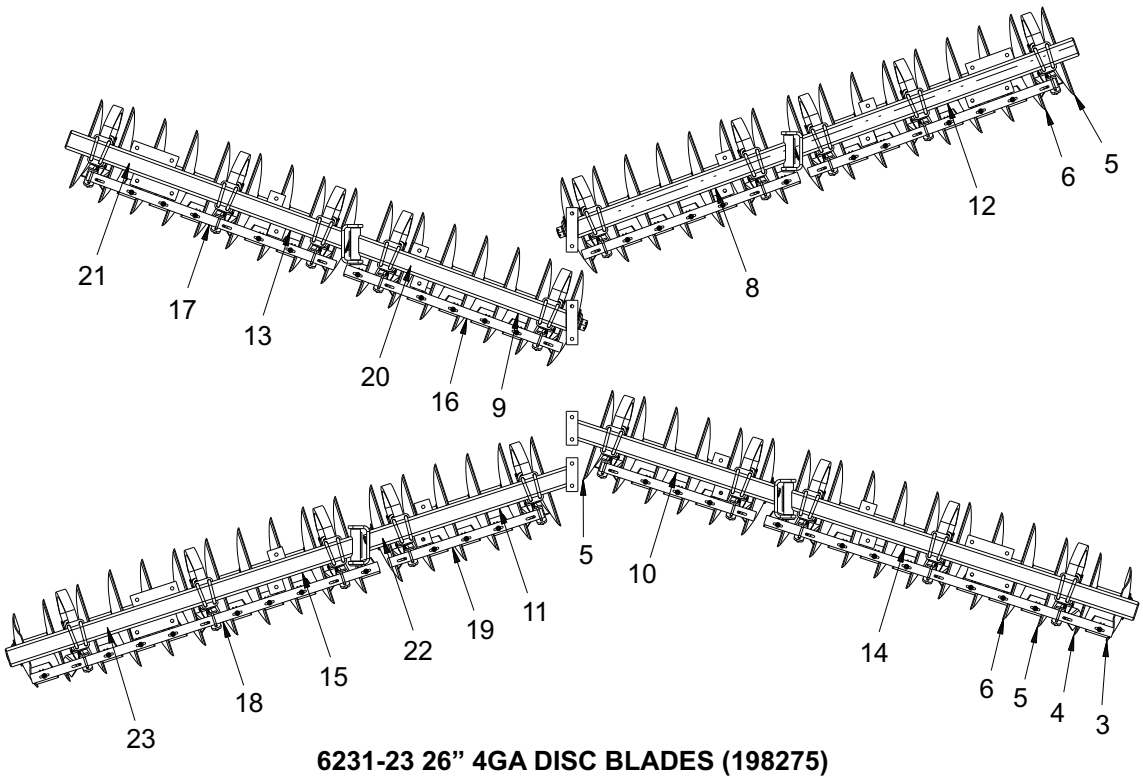
6231-23 24” 4GA DISC BLADES - 7 SPACING (198290)

Figure 1-33: Disc Gang Placement - 23' (24” Disc Blades) (3 of 3)

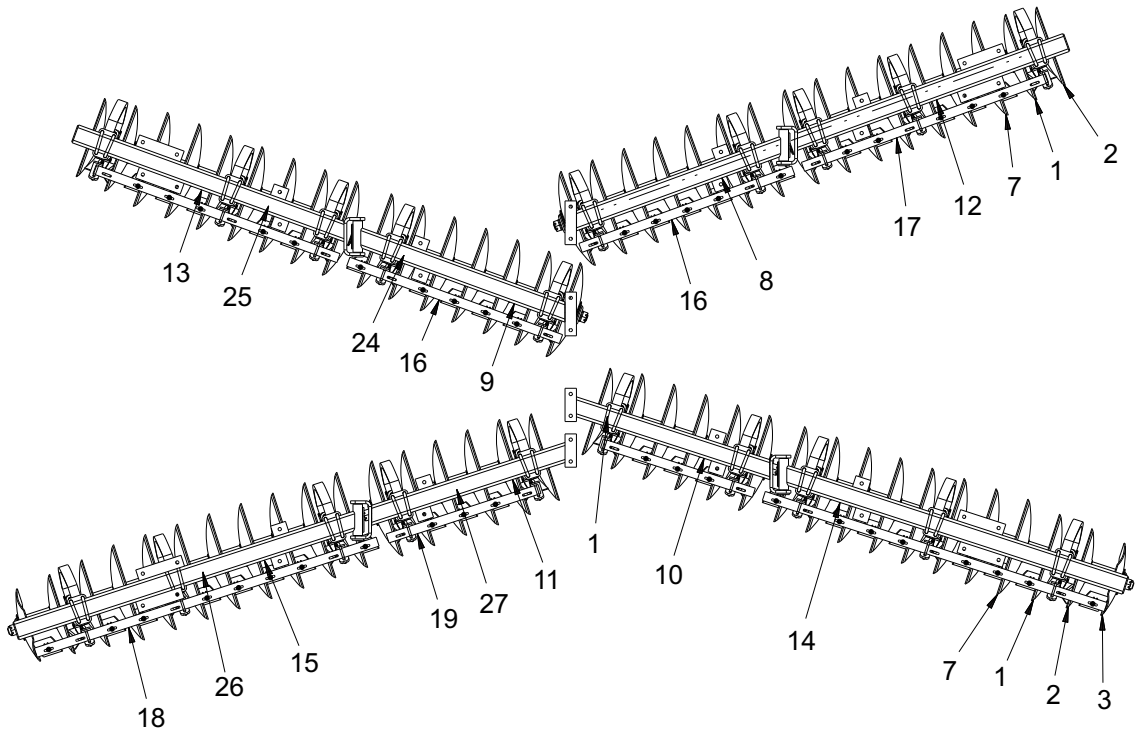
https://truckmanualshub.com/

Disc Gang Placement - 23' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191425	GANG ASSEMBLY, 24” 4 GA	*				
--	195641	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193556	GANG ASSY, 24" 4GA ROLL 23 **(ROLLABLE)**			*		
--	191432	GANG ASSY, 24" 7SP ROLL 4GA 23 **(ROLLABLE)**				*	
--	198290	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24" X 1/4” 1-3/4 ID	56	56	--	--	--
2	140466	DISC BLADE, 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
6	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	56	--	--
7	155618	DISC, BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	
8	193508	GANG BAR, RCF 21'-29'	1	1	1	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1	1	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1	1	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1	1	1	1
12	193520	GANG BAR, RWF 23'	1	1	1	1	1
13	193521	GANG BAR, LWF 23'	1	1	1	1	1
14	193522	GANG BAR, RWR 23'	1	1	1	1	1
15	193523	GANG BAR, LWR 23'	1	1	1	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2	2	--	--
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2	2	--	--
18	141172	SCRAPER BAR, 8-3/4 SP 11 HOLE	2	2	2	--	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2	2	--	--
20	141184	SHAFT, GANG 50-1/2”	2	2	2	--	--
21	141186	SHAFT, GANG 94"	2	2	2	--	--
22	141163	SHAFT, GANG 59”	2	2	2	--	--
23	141165	SHAFT, GANG 76-1/2”	2	2	2	--	--
24	180147	SHAFT, GANG 69-1/2”	--	--	--	2	2
25	153713	SHAFT, GANG 55-1/2”	--	--	--	2	2
26	154663	SHAFT, GANG 62-1/2”	--	--	--	2	2
27	149592	SHAFT, GANG 90-1/2	--	--	--	2	2
28	153698	SCRAPER BAR 7 SP 7 HOLE	--	--	--	2	2
29	153700	SCRAPER BAR 7 SP 9 HOLE	--	--	--	4	4
30	153704	SCRAPER BAR 7 SP 13 HOLE	--	--	--	2	2
31	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
32	172706	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	70	--
33	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
34	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	70
35	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2



6231-23 26” 4GA DISC BLADES (198275)



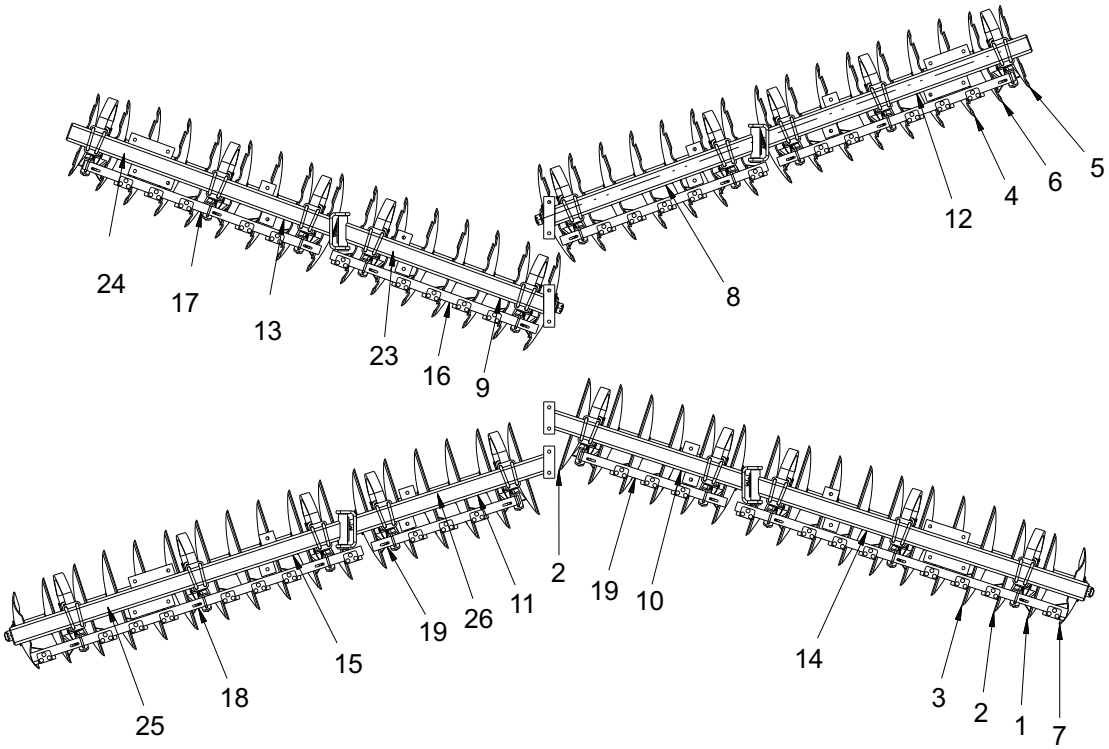
6231-23 26” X 5/16 DISC BLADES (194610)

Figure 1-34: Disc Gang Placement - 23' (26” Disc Blades)

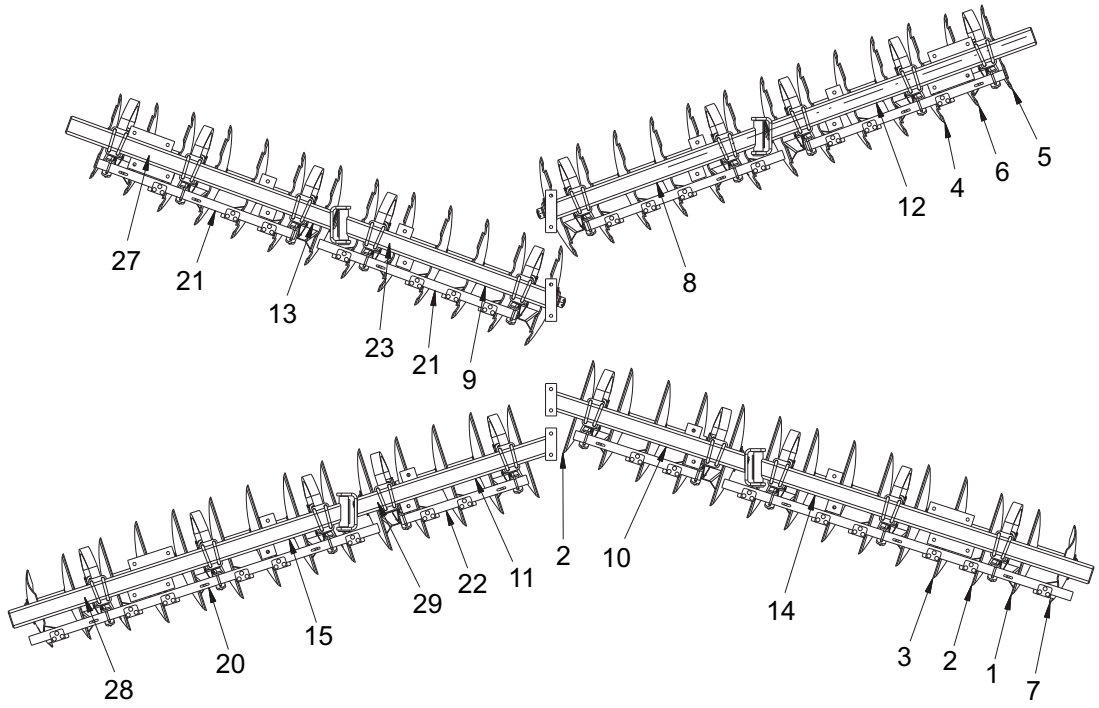
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Disc Gang Placement - 23' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198275	GANG ASSEMBLY, 26” 4GA	*	
--	194610	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	56	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	54
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193520	GANG BAR, RWF 23'	1	1
13	193521	GANG BAR, LWF 23'	1	1
14	193522	GANG BAR, RWR 23'	1	1
15	193523	GANG BAR, LWR 23'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2
18	141172	SCRAPER BAR, 8-3/4 SP 11 HOLE	2	2
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2
20	141163	SHAFT, GANG 59"	2	--
21	141165	SHAFT, GANG 76-1/2”	2	--
22	141184	SHAFT, GANG 50-1/2”	2	--
23	141186	SHAFT, GANG 94”	2	--
24	142579	SHAFT, GANG 59-1/2”	--	2
25	142581	SHAFT, GANG 77”	--	2
26	142703	SHAFT, GANG 95”	--	2
27	142705	SHAFT, GANG 51”	--	2



6231-23 28” X 5/16” 8-3/4 NFPR DISC BLADES (195679)



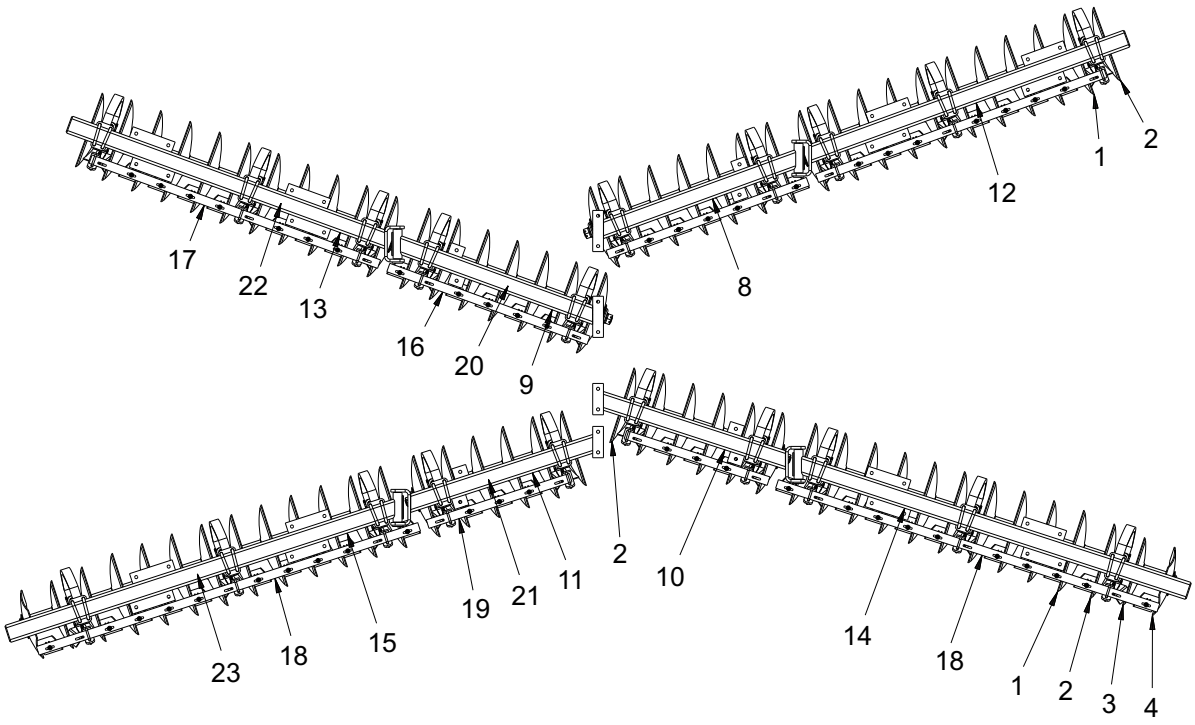
6231-23 28” X 5/16” 10-1/2 NFPR DISC BLADES (197727)

Figure 1-35: Disc Gang Placement - 23' (28” Disc Blades)

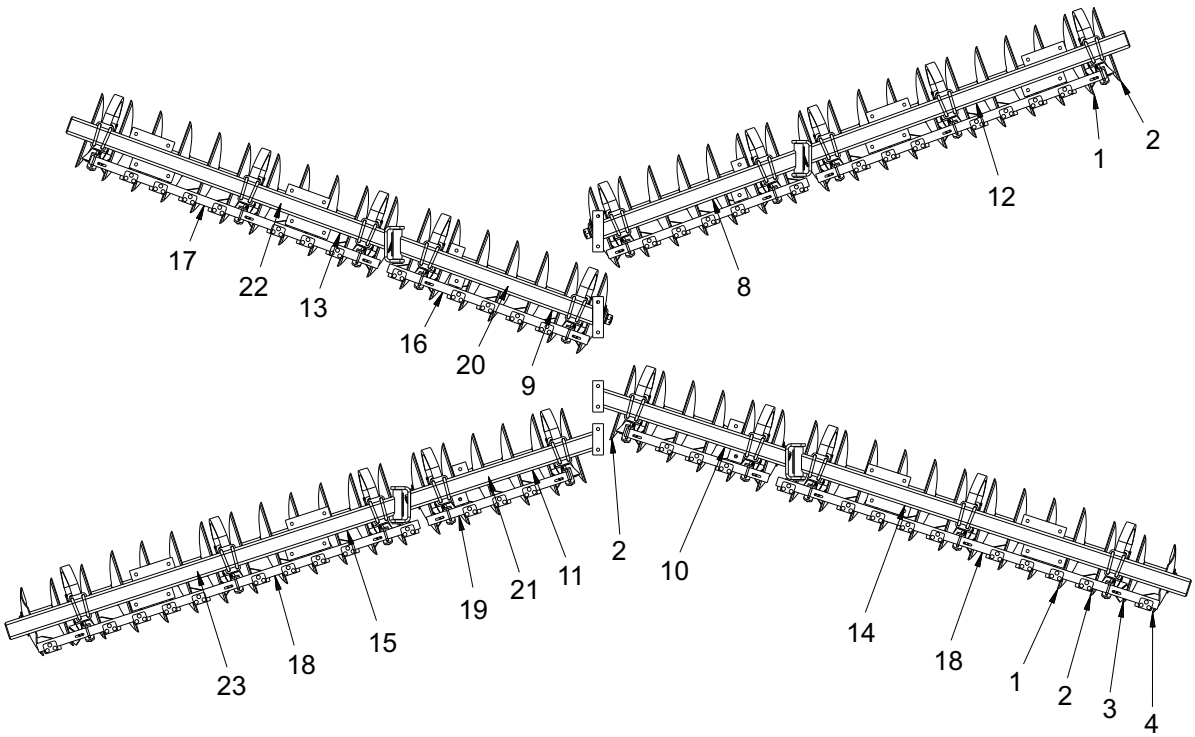
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Disc Gang Placement - 23' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195679	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197727	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	26	22
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	28	20
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	2
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193520	GANG BAR, RWF 23'	1	1
13	193521	GANG BAR, LWF 23'	1	1
14	193522	GANG BAR, RWR 23'	1	1
15	193523	GANG BAR, LWR 23'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	--
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	--
18	141172	SCRAPER BAR, 8-3/4 SP 11 HOLE	2	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	--
20	149606	SCRAPER BAR, 10-1/2” SP 9 HOLE	--	2
21	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	4
22	197733	SCRAPER BAR, 10-1/2 SP 3 HOLE	--	2
23	142579	SHAFT, GANG 59-1/2”	2	2
24	142581	SHAFT, GANG 77”	2	--
25	142703	SHAFT, GANG 95”	2	--
26	142705	SHAFT, GANG 51”	2	--
27	156951	SHAFT, GANG 70”	--	2
28	185721	SHAFT, GANG 91”	--	2
29	195698	SHAFT, GANG 49”	--	2



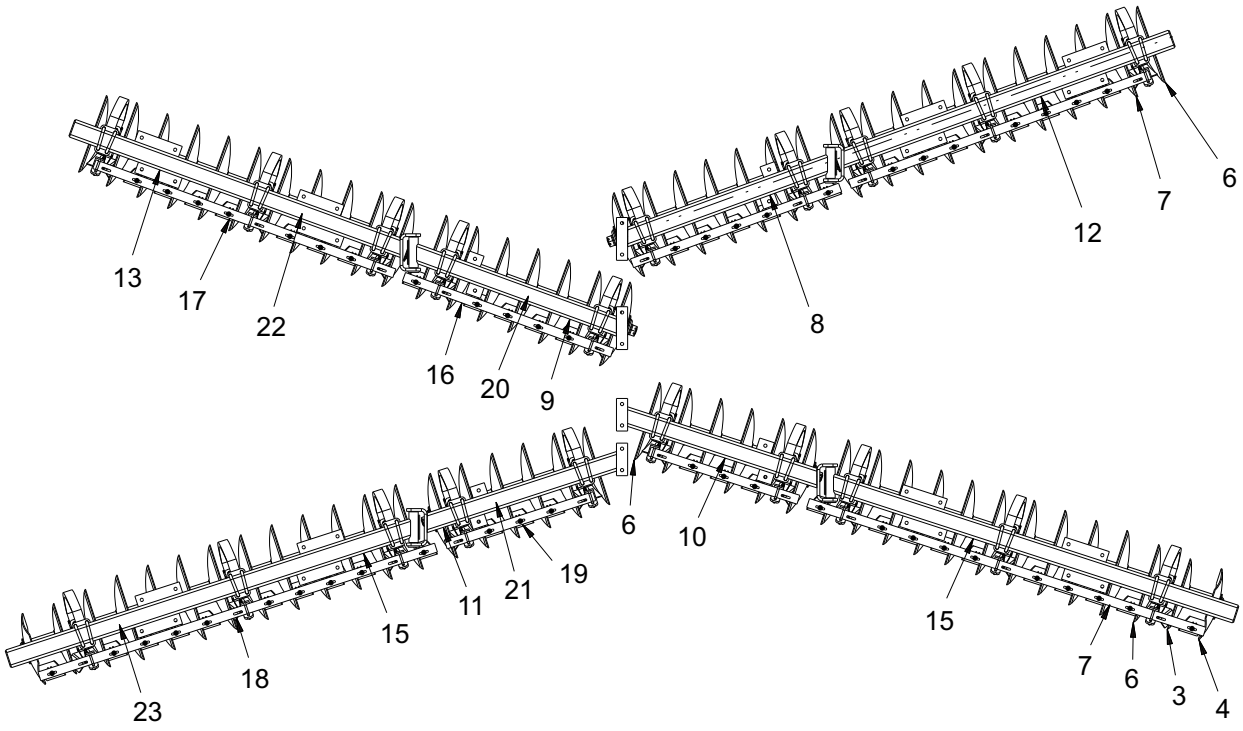
6231-26 24” 4GA DISC BLADES (191426)



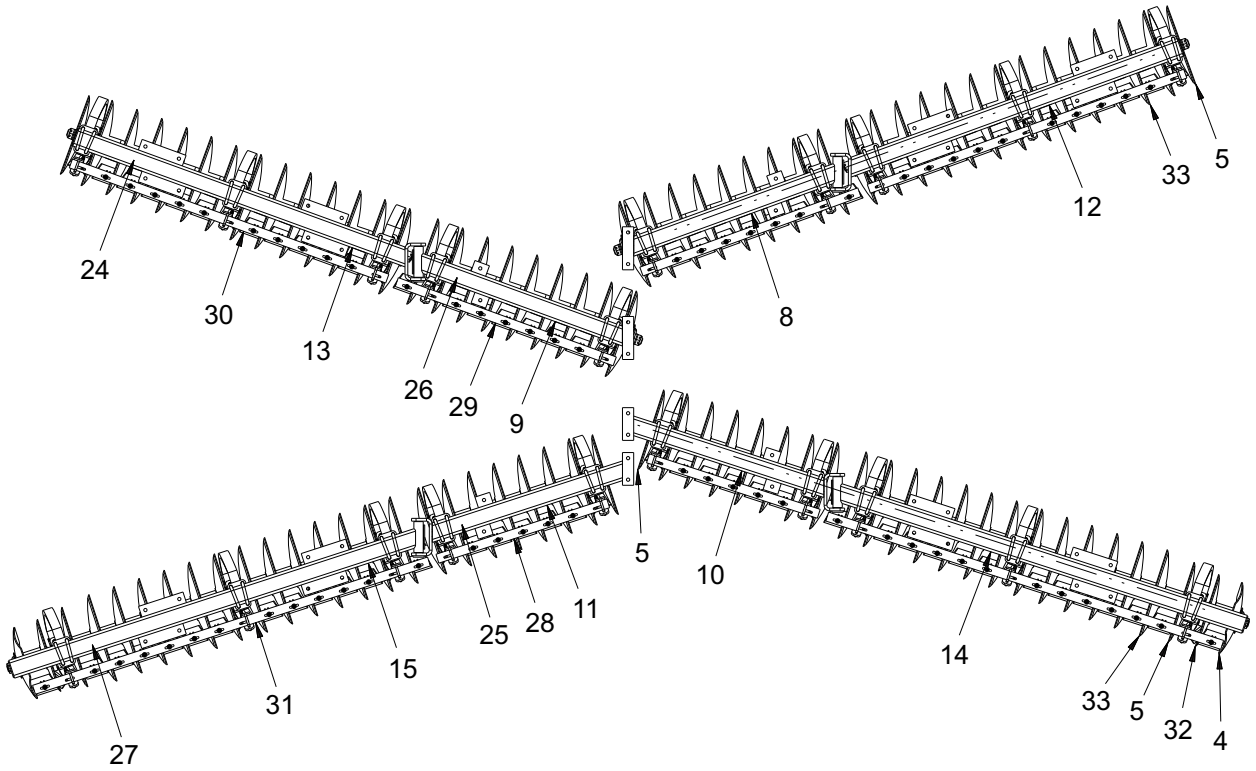
6231-26 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195642)

Figure 1-36: Disc Gang Placement - 26' (24” Disc Blades) (1 of 3)

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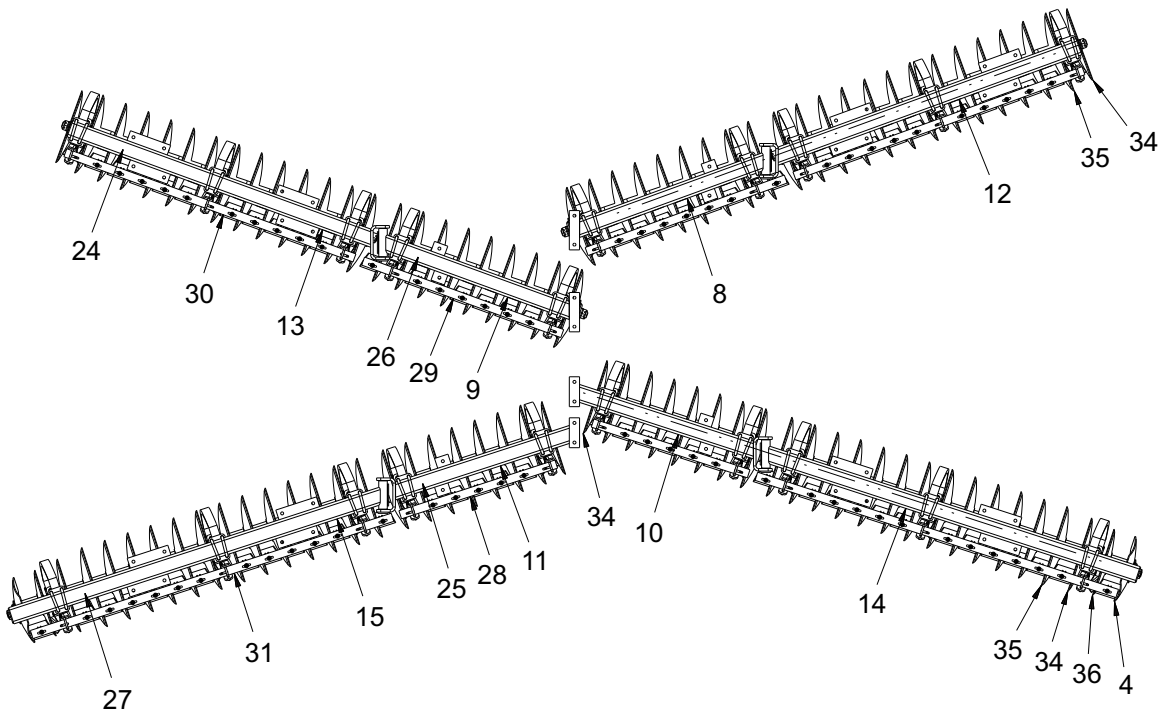


6231-26 24” 4GA DISC BLADES - ROLLABLE (193557)



6231-26 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191433)

Figure 1-37: Disc Gang Placement - 26' (24” Disc Blades) (2 of 3)



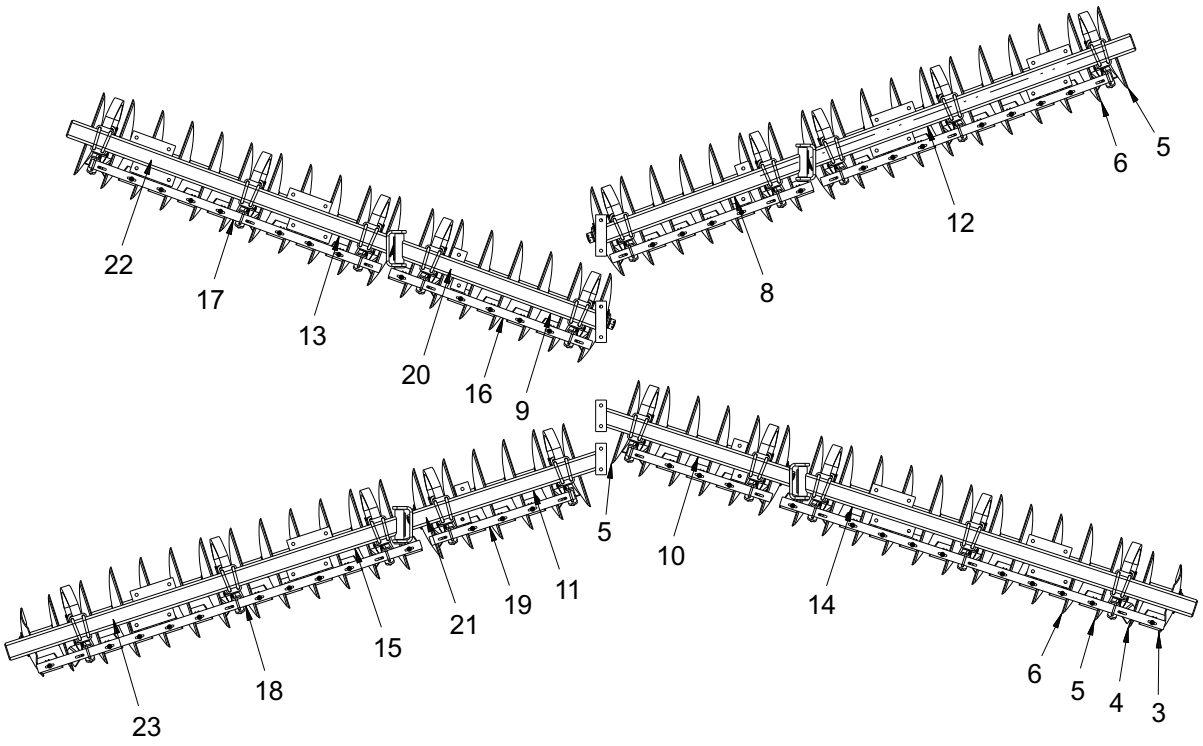
6231-26 24” 4GA DISC BLADES - 7 SPACING (198291)

Figure 1-38: Disc Gang Placement - 26' (24” Disc Blades) (3 of 3)

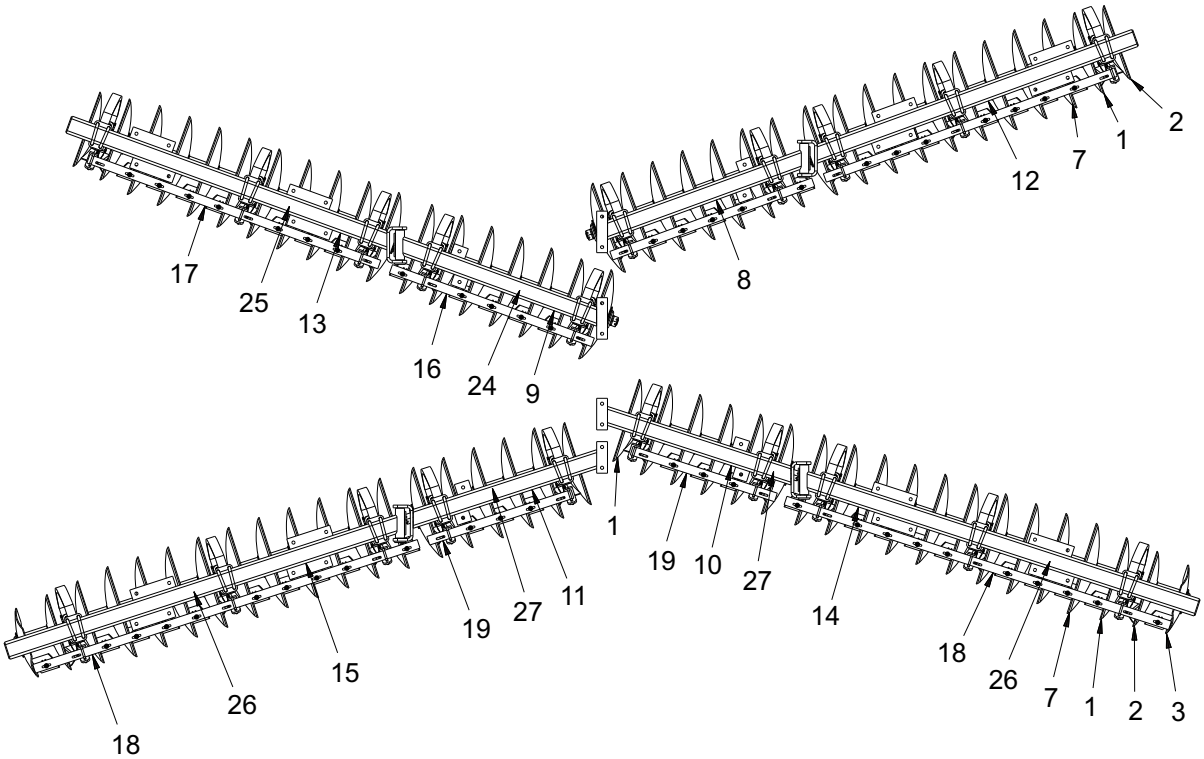
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Disc Gang Placement - 26' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191426	GANG ASSEMBLY, 24” 4 GA	*				
--	195642	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193557	GANG ASSY, 24" 4GA ROLL 26 **(ROLLABLE)**			*		
--	191433	GANG ASSY, 24" 7SP ROLL 4GA 26 7SP **(ROLLABLE)**				*	
--	198291	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24" X 1/4” 1-3/4 ID	64	64	--	--	--
2	140466	DISC BLADE, 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	155618	DISC, BLADE 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
6	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
7	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	64	--	--
8	193508	GANG BAR, RCF 21'-29'	1	1	1	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1	1	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1	1	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1	1	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1	1	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1	1	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1	1	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1	1	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2	2	--	--
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	2	2	--	--
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	2	2	--	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2	2	--	--
20	141163	SHAFT, GANG 59”	2	2	2	--	--
21	141184	SHAFT, GANG 50-1/2”	2	2	2	--	--
22	141186	SHAFT, GANG 94"	2	2	2	--	--
23	141187	SHAFT, GANG 111-1/2	2	2	2	--	--
24	156082	SHAFT, GANG 98”	--	--	--	2	2
25	153713	SHAFT, GANG 55-1/2”	--	--	--	2	2
26	154663	SHAFT, GANG 62-1/2”	--	--	--	2	2
27	199399	SHAFT, GANG 119”	--	--	--	2	2
28	153698	SCRAPER BAR 7 SP 7 HOLE	--	--	--	2	2
29	153700	SCRAPER BAR 7 SP 9 HOLE	--	--	--	2	2
30	153704	SCRAPER BAR 7 SP 13 HOLE	--	--	--	2	2
31	182328	SCRAPER BAR 7 SP 17 HOLE	--	--	--	2	2
32	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
33	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	86	--
34	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
35	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	86
36	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2



6231-26 26” 4GA DISC BLADES (198276)



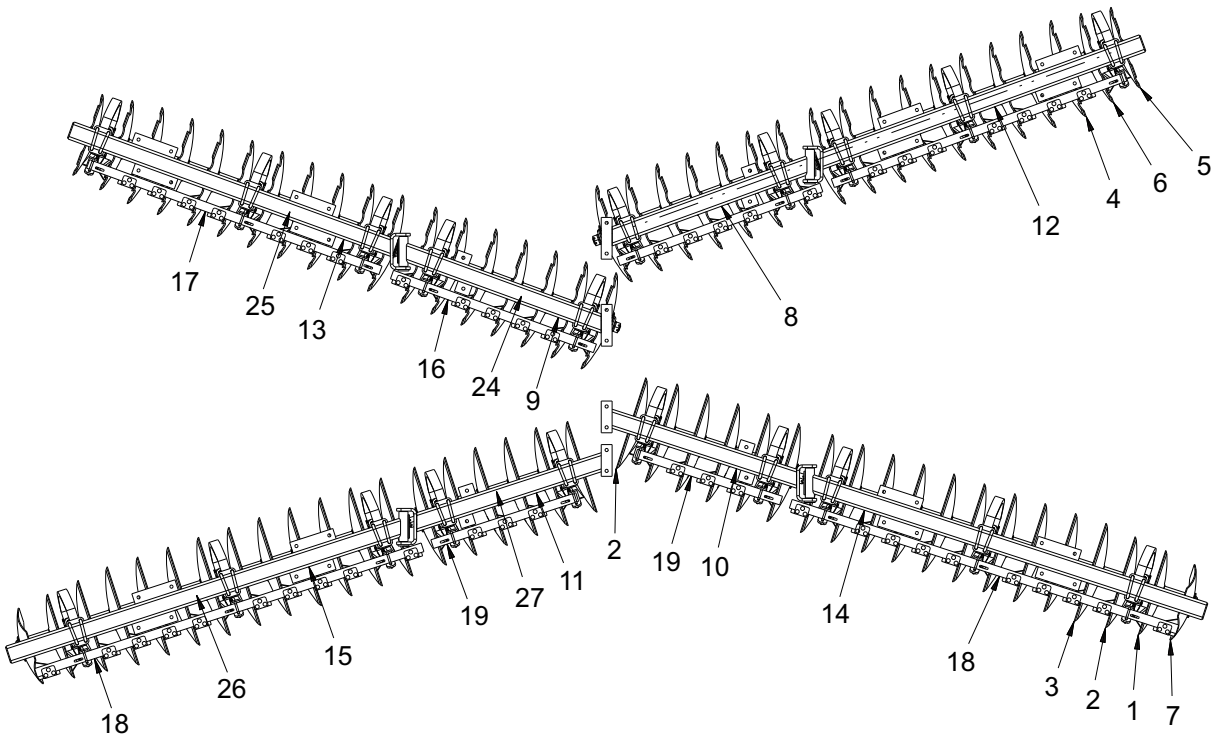
6231-26 26” X 5/16 DISC BLADES (194611)

Figure 1-39: Disc Gang Placement - 26' (26” Disc Blades)

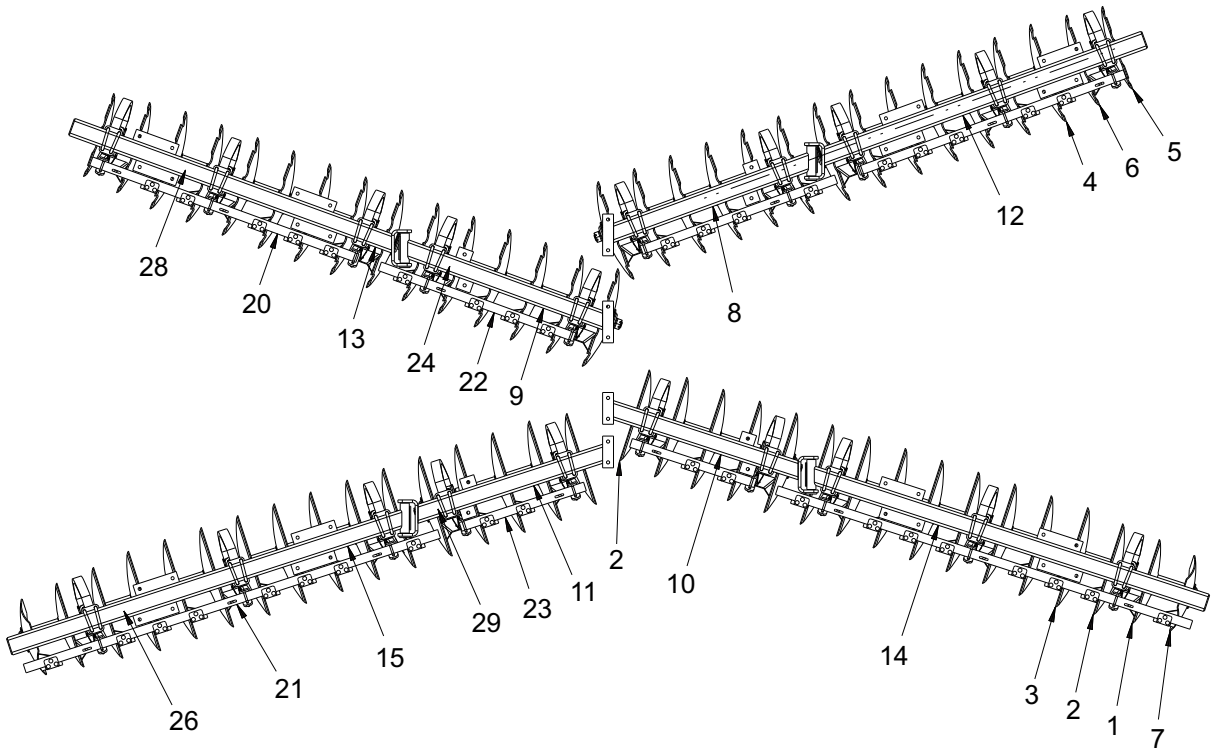
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Disc Gang Placement - 26' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198276	GANG ASSEMBLY, 26” 4GA	*	
--	194611	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	64	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	62
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	2
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	2
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2
20	141163	SHAFT, GANG 59"	2	--
21	141184	SHAFT, GANG 50-1/2”	2	--
22	141186	SHAFT, GANG 94”	2	--
23	141187	SHAFT, GANG 111-1/2”	2	--
24	142579	SHAFT, GANG 59-1/2”	--	2
25	142703	SHAFT, GANG 95”	--	2
26	142704	SHAFT, GANG 112-1/2”	--	2
27	142705	SHAFT, GANG 51”	--	2



6231-26 28” X 5/16” 8-3/4 NFPR DISC BLADES (195680)



6231-26 28” X 5/16” 10-1/2 NFPR DISC BLADES (197728)

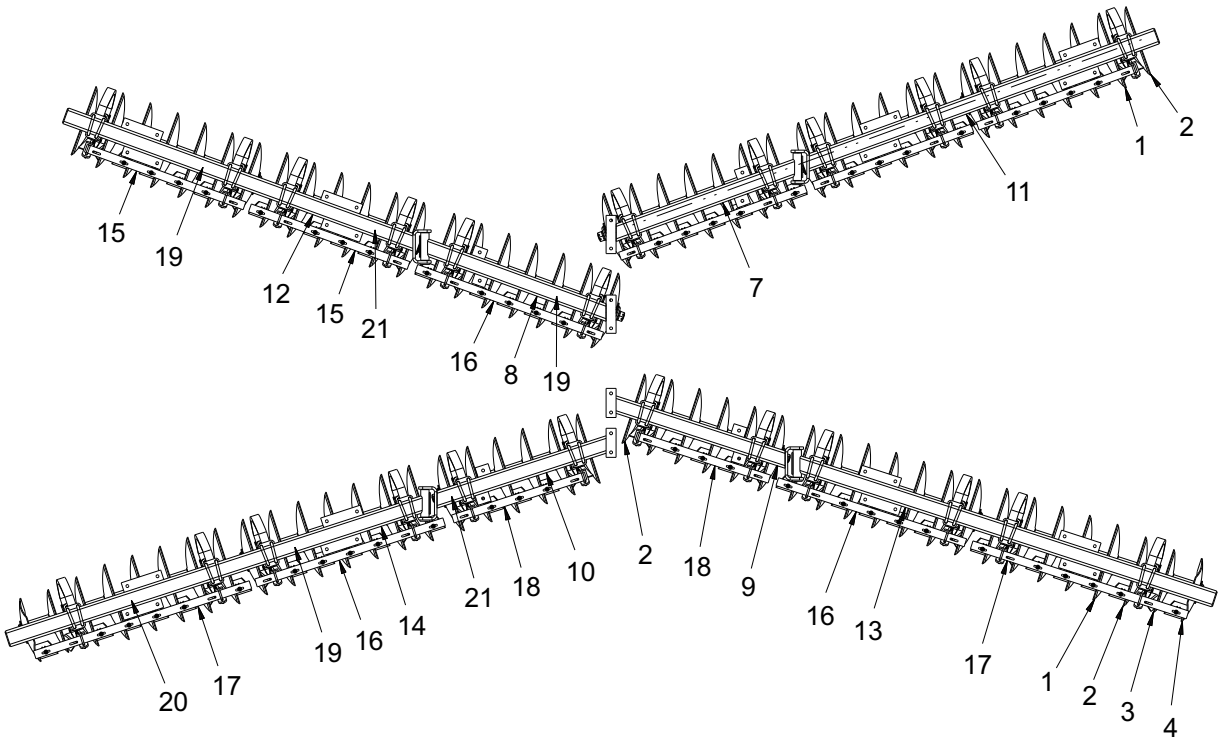
Figure 1-40: Disc Gang Placement - 26' (28” Disc Blades)

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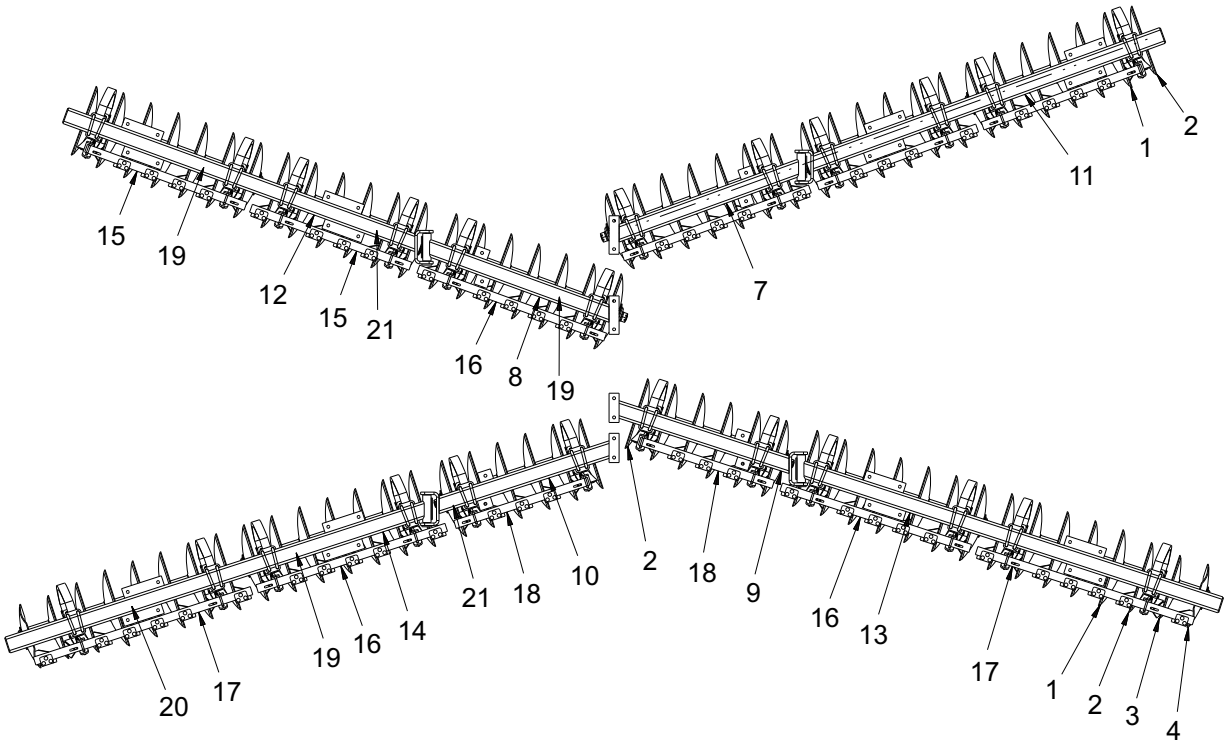
Disc Gang Placement - 26' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195680	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197728	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	30	24
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	32	26
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID, 3-SIDED	2	2
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	--
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	--
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	--
20	149604	SCRAPER BAR, 10-1/2” SP 7 HOLE	--	2
21	149608	SCRAPER BAR, 10-1/2” SP 11 HOLE	--	2
22	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	2
23	197733	SCRAPER BAR, 10-1/2 SP 3 HOLE	--	2
24	142579	SHAFT, GANG 59-1/2”	2	2
25	142703	SHAFT, GANG 95”	2	--
26	142704	SHAFT, GANG 112-1/2”	2	2
27	142705	SHAFT, GANG 51”	2	--
28	185721	SHAFT, GANG 91”	--	2
29	195698	SHAFT, GANG 49”	--	2

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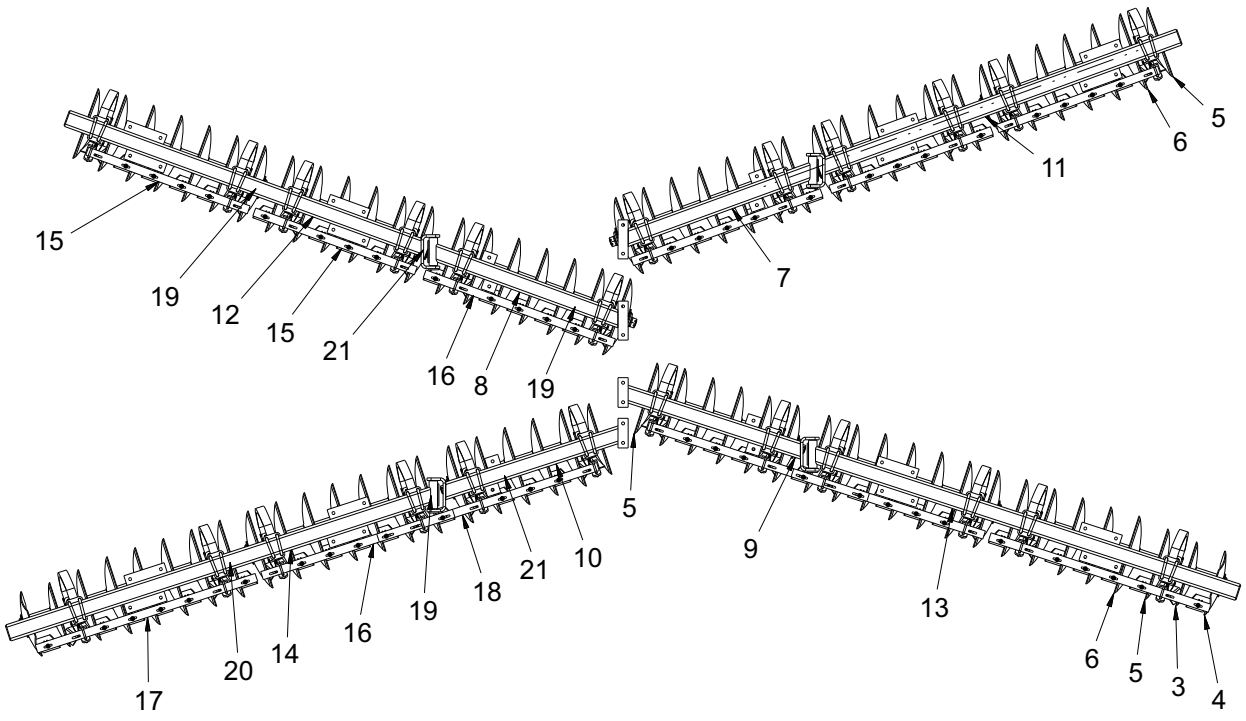
6231-29 24” 4GA DISC BLADES (191427)



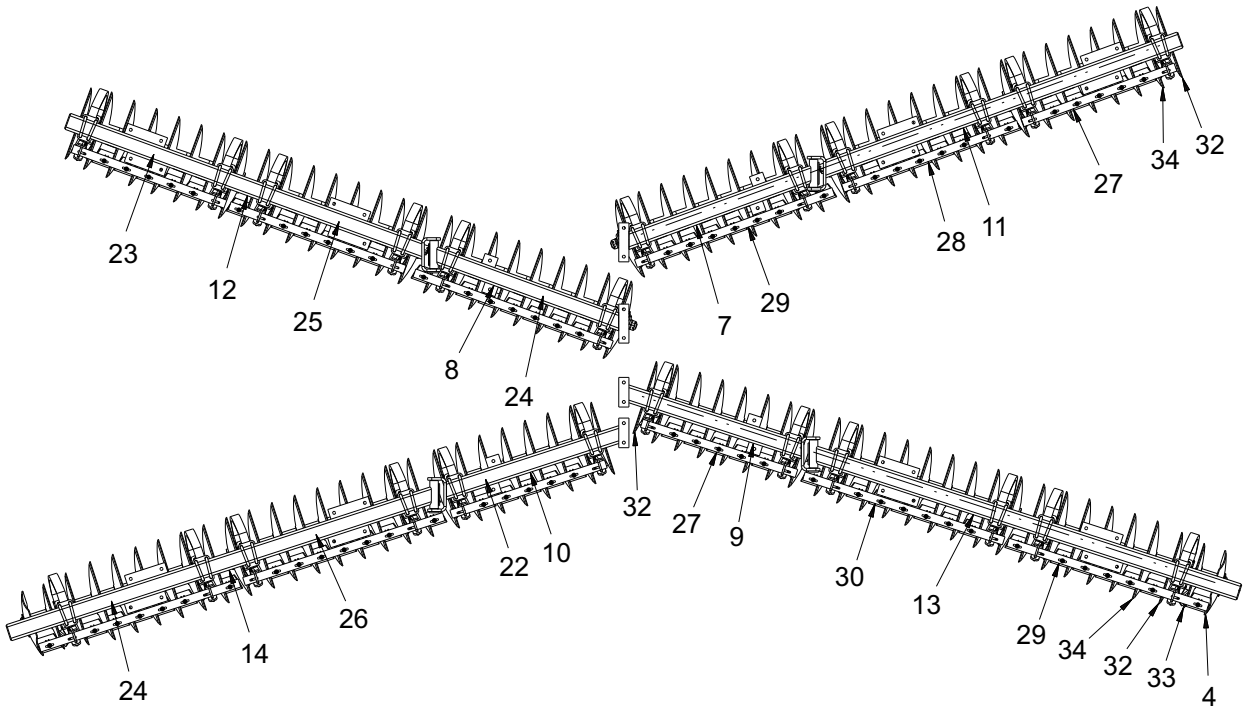
6231-29 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195463)

Figure 1-41: Disc Gang Placement - 29' (24” Disc Blades) (1 of 3)

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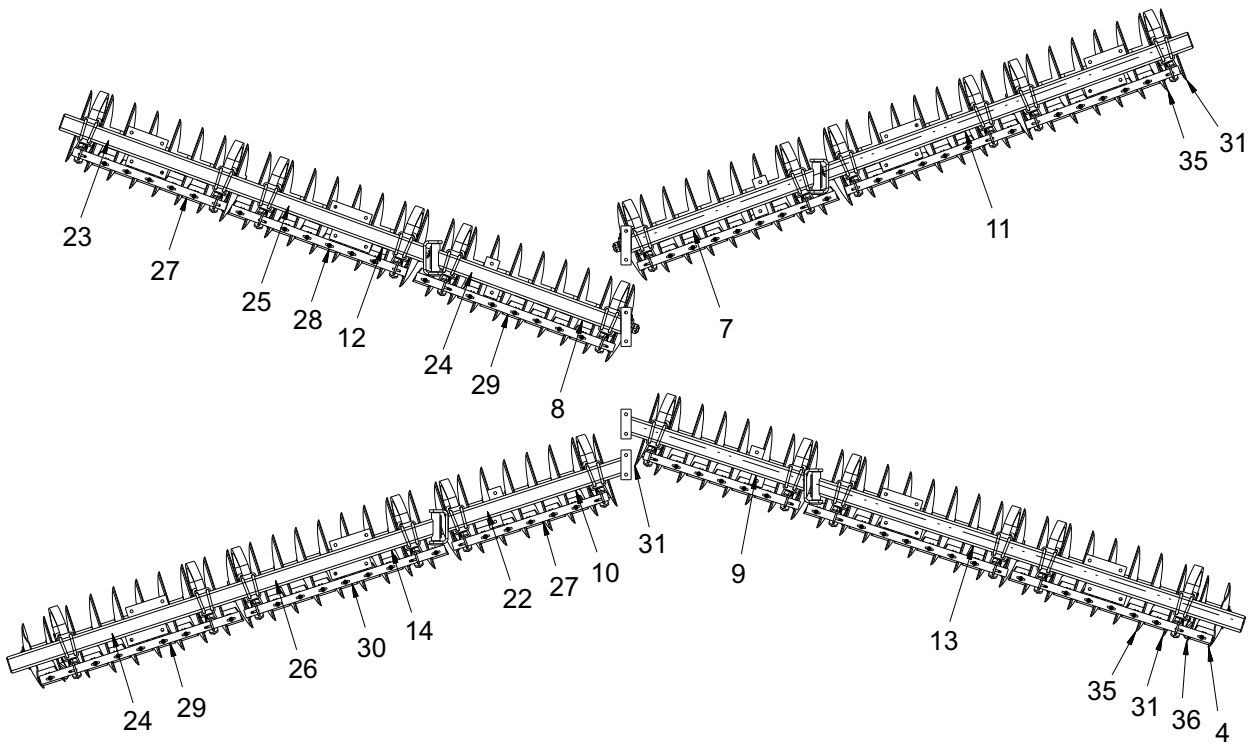
6231-29 24” 4GA DISC BLADES - ROLLABLE (193558)



6231-29 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191434)

Figure 1-42: Disc Gang Placement - 29' (24” Disc Blades) (2 of 3)

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6231-29 24” 4GA DISC BLADES - 7 SPACING (198292)

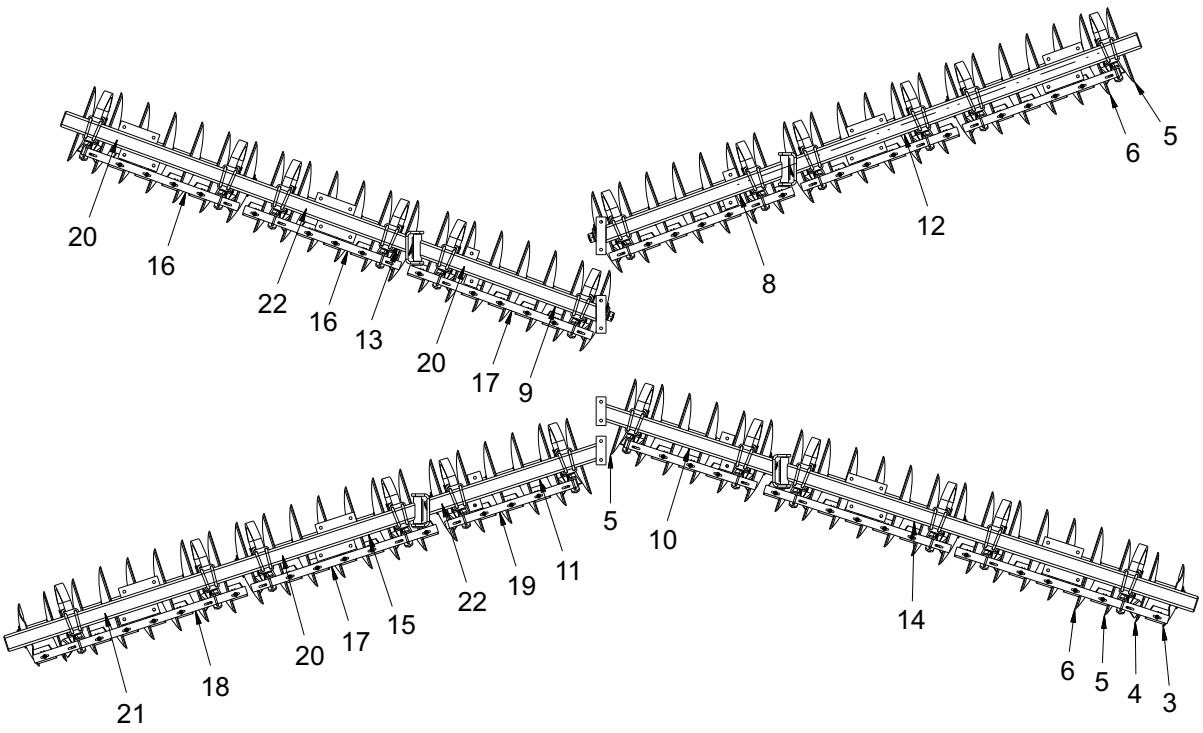
Figure 1-43: 29’ Disc Gang Placement - 29' (24” Disc Blades) (3 of 3)

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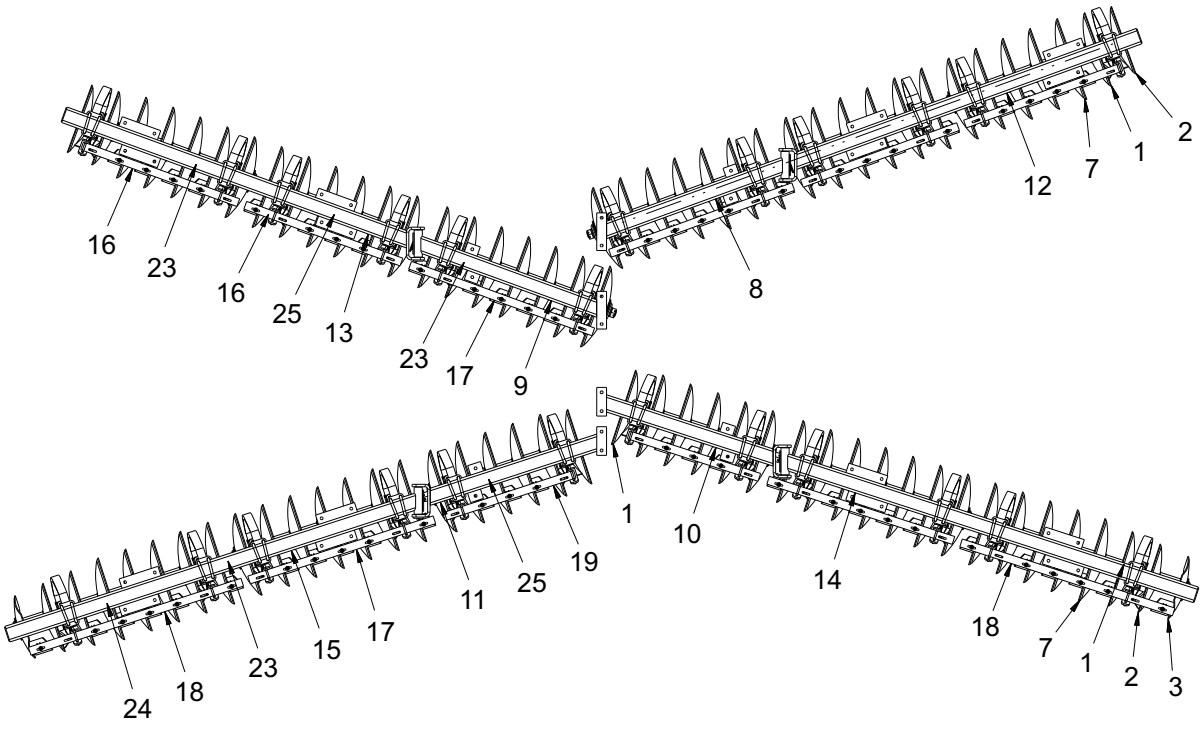
Disc Gang Placement - 29' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191427	GANG ASSEMBLY, 24” 4 GA	*				
--	195643	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193558	GANG ASSY, 24" 4GA ROLL 29 **(ROLLABLE)**			*		
--	191434	GANG ASSY, 24" 7SP ROLL 4GA 29 **(ROLLABLE)**				*	
--	198292	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE 24" X 1/4" 1-3/4 ID	72	72	--	--	--
2	140466	DISC BLADE 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	142660	DISC BLADE 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
6	142662	DISC BLADE 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	72	--	--
7	193508	GANG BAR, RCF 21'-29'	1	1	1	1	1
8	193509	GANG BAR, LCF 21'-29'	1	1	1	1	1
9	193510	GANG BAR, RCR 21'-29'	1	1	1	1	1
10	193511	GANG BAR, LCR 21'-29'	1	1	1	1	1
11	193528	GANG BAR, RWF 29'-33'	1	1	1	1	1
12	193529	GANG BAR, LWF 29'-33'	1	1	1	1	1
13	193530	GANG BAR, RWR 29'-33'	1	1	1	1	1
14	193531	GANG BAR, LWR 29'-33'	1	1	1	1	1
15	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	4	4	--	--
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	4	4	4	--	--
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2	4	--	--
18	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2	--	--	--
19	141163	SHAFT, GANG 59”	6	6	6	--	--
20	141164	SHAFT, GANG 68"	2	2	2	--	--
21	141184	SHAFT, GANG 50-1/2”	4	4	4	--	--
22	153713	SHAFT, GANG 55-1/2”	--	--	--	2	2
23	154662	SHAFT, GANG 55"	--	--	--	2	2
24	154663	SHAFT, GANG 66-1/2”	--	--	--	4	4
25	171021	SHAFT, GANG 90-1/2”	--	--	--	2	2
26	142580	SHAFT, GANG 68-1/2”	--	--	--	2	2
27	153698	SCRAPER BAR 7 SP 7 HOLE	--	--	--	4	4
28	153699	SCRAPER BAR 7 SP 8 HOLE	--	--	--	2	2
29	153700	SCRAPER BAR 7 SP 9 HOLE	--	--	--	4	4
30	153701	SCRAPER BAR 7 SP 10 HOLE	--	--	--	2	2
31	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
32	155618	DISC BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
33	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
34	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	94	--
35	165130	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	94
36	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2

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6231-29 26” 4GA DISC BLADES (198277)



6231-29 26” X 5/16 DISC BLADES (194612)

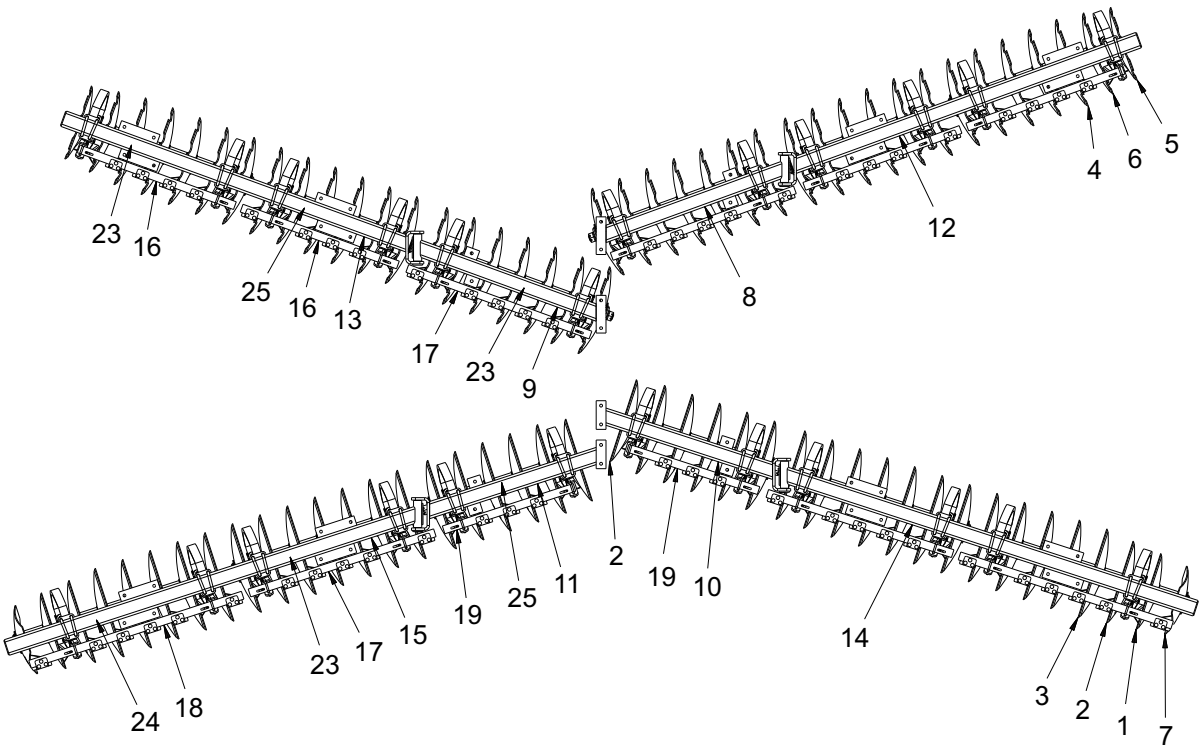
Figure 1-44: Disc Gang Placement - 29' (26” Disc Blades)

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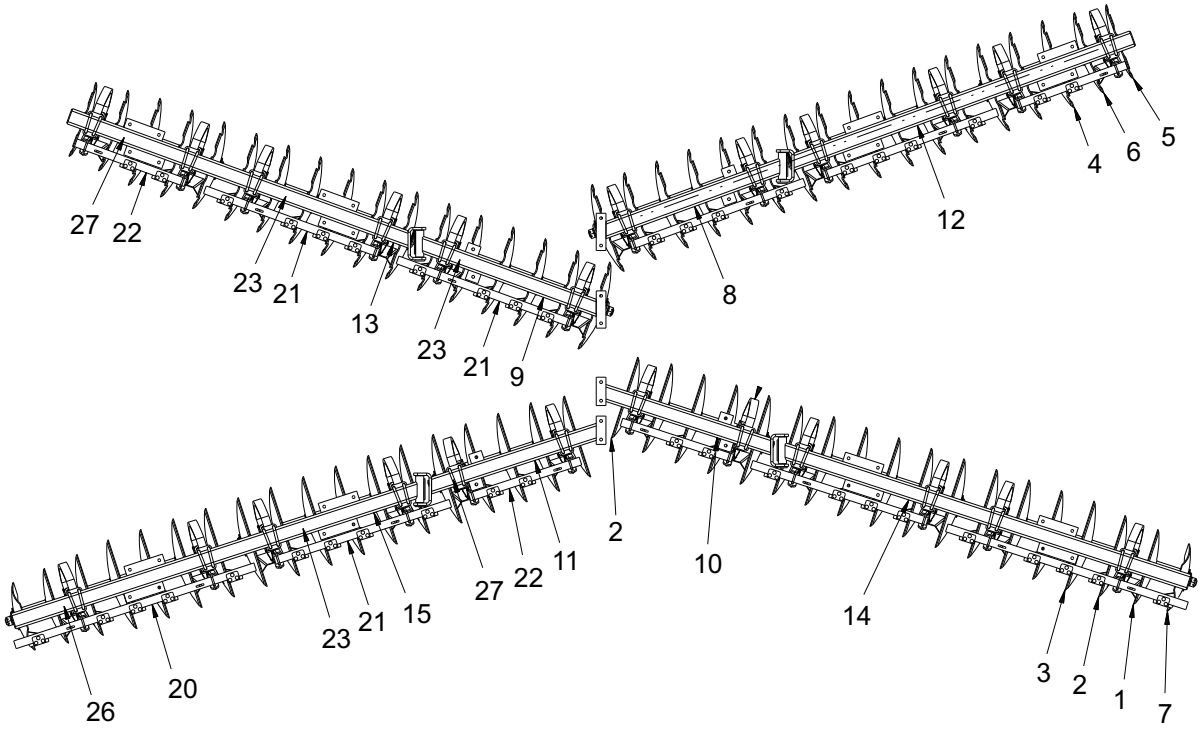
Disc Gang Placement - 29' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198277	GANG ASSEMBLY, 26” 4GA	*	
--	194612	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	72	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	70
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193528	GANG BAR, RWF 29'-33'	1	1
13	193529	GANG BAR, LWF 29'-33'	1	1
14	193530	GANG BAR, RWR 29'-33'	1	1
15	193531	GANG BAR, LWR 29'-33'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	4
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	4	4
18	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	2
20	141163	SHAFT, GANG 59"	6	--
21	141164	SHAFT, GANG 68”	2	--
22	141184	SHAFT, GANG 50-1/2”	4	--
23	142579	SHAFT, GANG 59-1/2”	--	6
24	142580	SHAFT, GANG 68-1/2”	--	2
25	142705	SHAFT, GANG 51”	--	4

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6231-29 28” X 5/16” 8-3/4 NFPR DISC BLADES (195681)



6231-29 28” X 5/16” 10-1/2 NFPR DISC BLADES (197729)

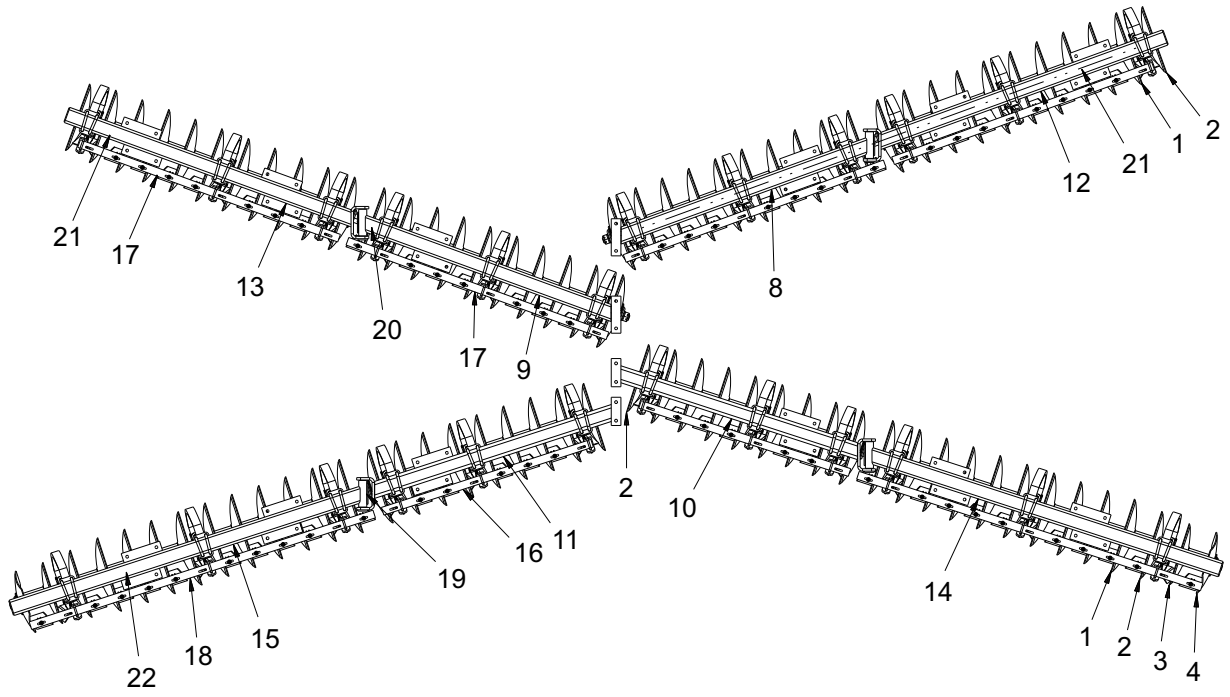
Figure 1-45: Disc Gang Placement - 29' (28” Disc Blades)

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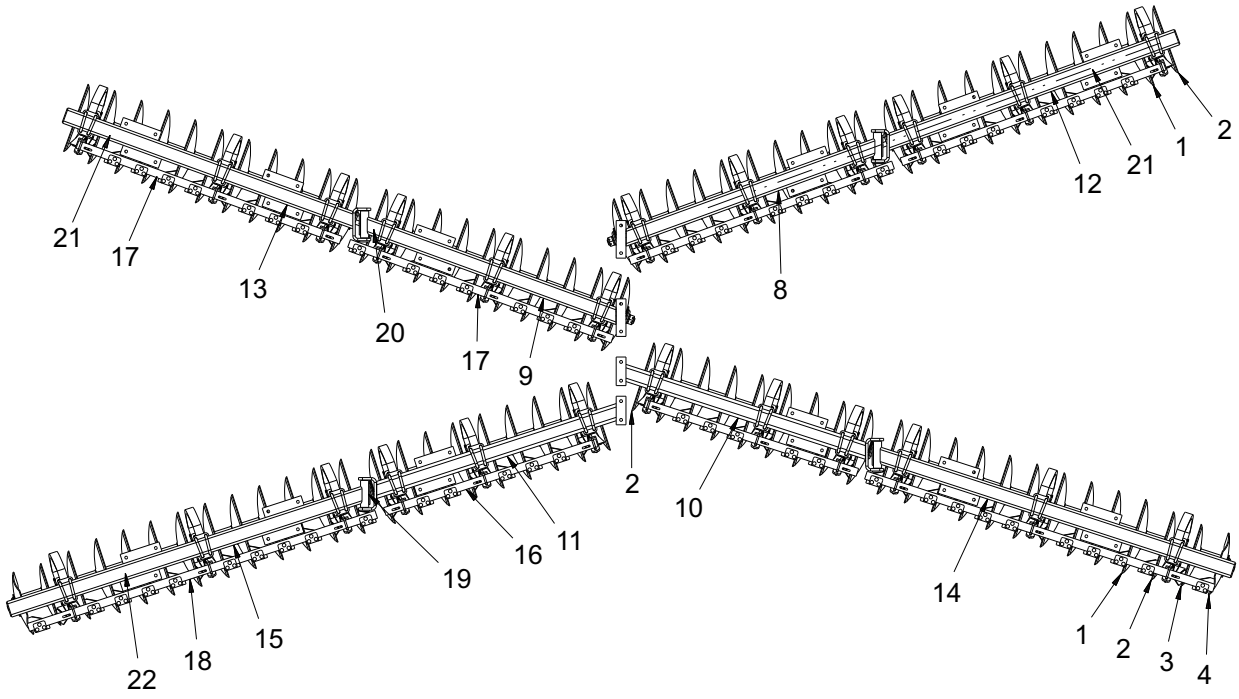
Disc Gang Placement - 29' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195681	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197729	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	34	28
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	36	30
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID, 3-SIDED	2	2
8	193508	GANG BAR, RCF 21'-29'	1	1
9	193509	GANG BAR, LCF 21'-29'	1	1
10	193510	GANG BAR, RCR 21'-29'	1	1
11	193511	GANG BAR, LCR 21'-29'	1	1
12	193528	GANG BAR RWF 29'-33'	1	1
13	193529	GANG BAR LWF 29'-33'	1	1
14	193530	GANG BAR RWR 29'-33'	1	1
15	193531	GANG BAR LWR 29'-33'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	--
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	4	--
18	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	--
19	141188	SCRAPER BAR, 8-3/4 SP 5 HOLE	2	--
20	149604	SCRAPER BAR, 10-1/2” SP 7 HOLE	--	2
21	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	6
22	197733	SCRAPER BAR, 10-1/2 SP 3 HOLE	--	4
23	142579	SHAFT, GANG 59-1/2”	6	6
24	142580	SHAFT, GANG 68-1/2”	2	--
25	142705	SHAFT, GANG 51”	4	--
26	156951	SHAFT, GANG 70”	--	4
27	195698	SHAFT, GANG 49”	--	4

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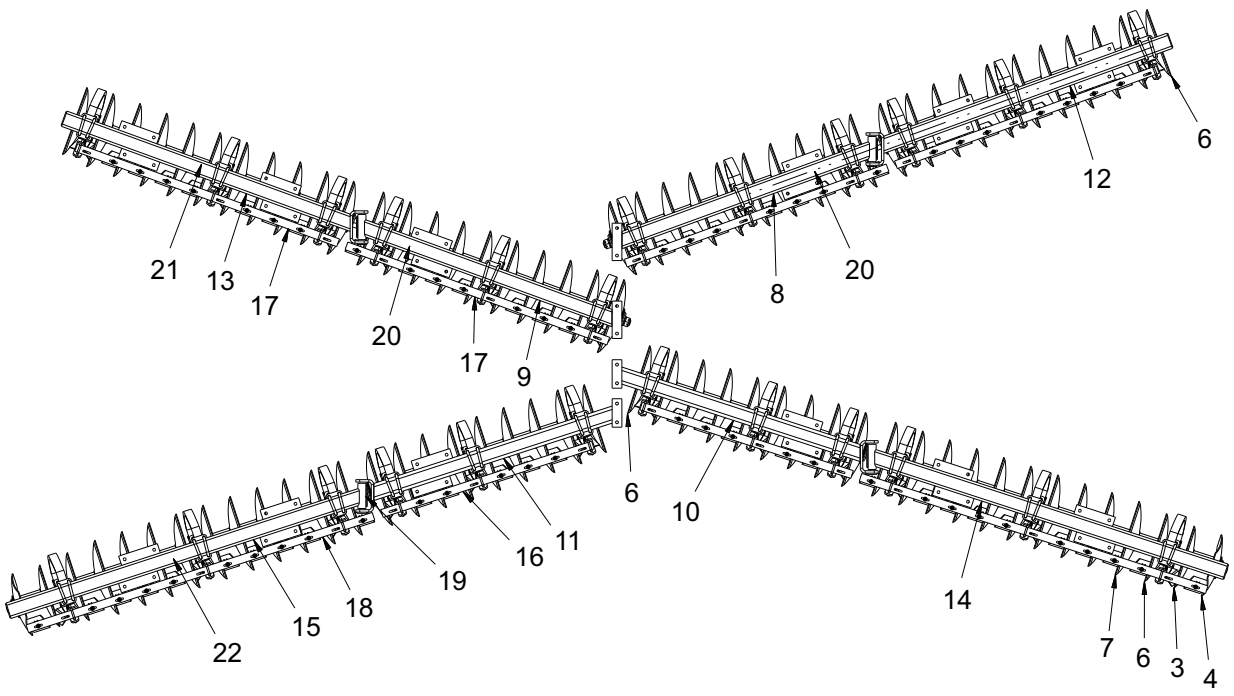
6231-30 24” 4GA DISC BLADES (191428)



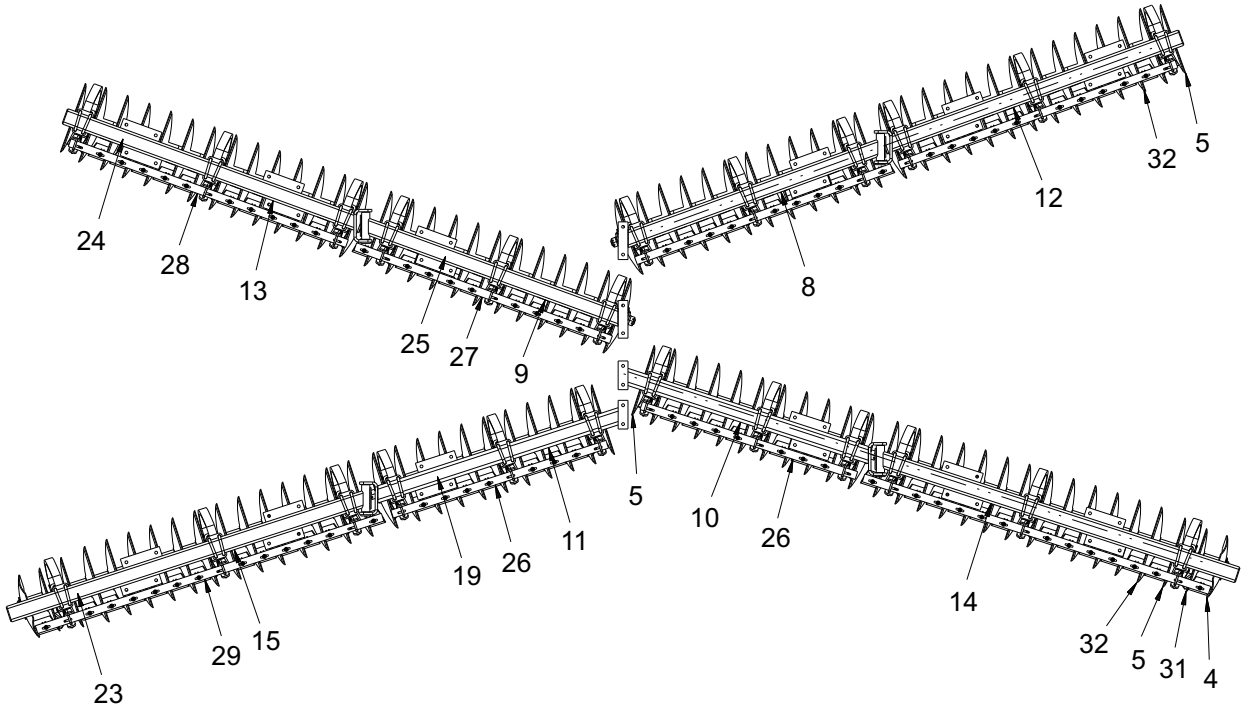
6231-30 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195644)

Figure 1-46: Disc Gang Placement - 30' (24” Disc Blades) (1 of 3)

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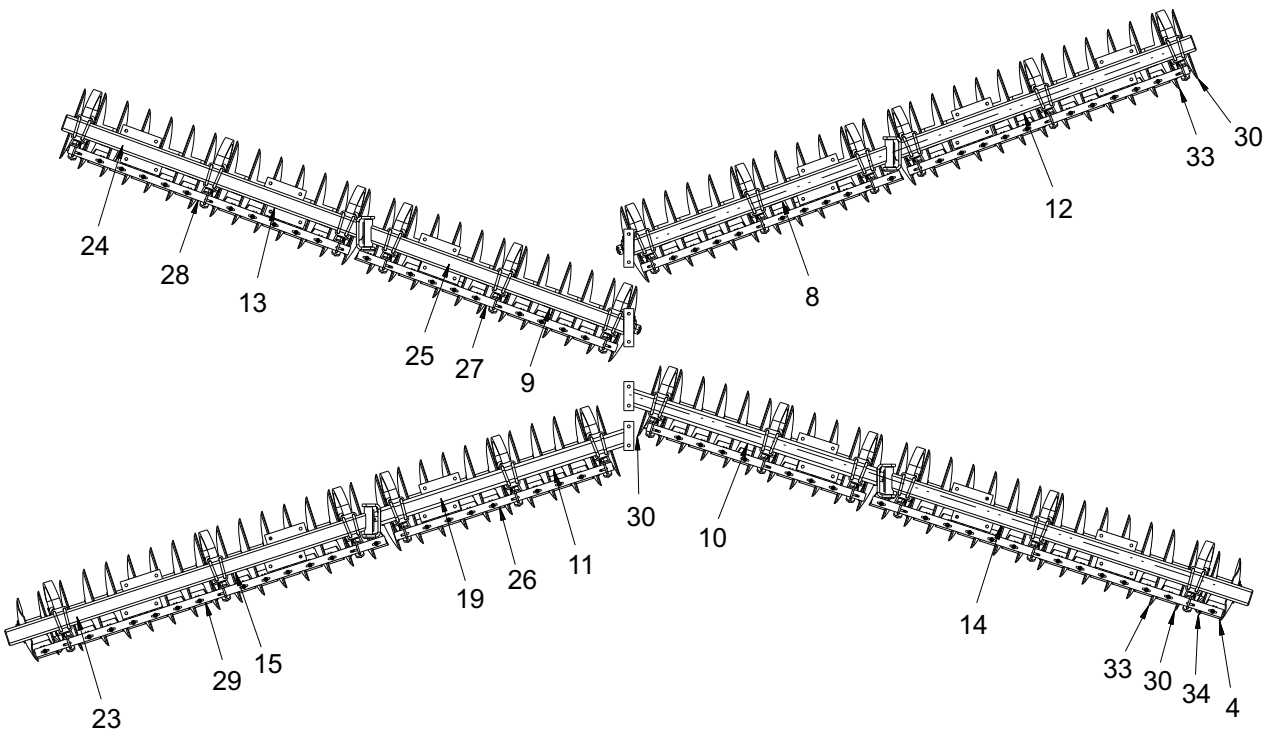
6231-30 24” 4GA DISC BLADES - ROLLABLE (193559)



6231-30 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191435)

Figure 1-47: Disc Gang Placement - 30' (24” Disc Blades) (2 of 3)

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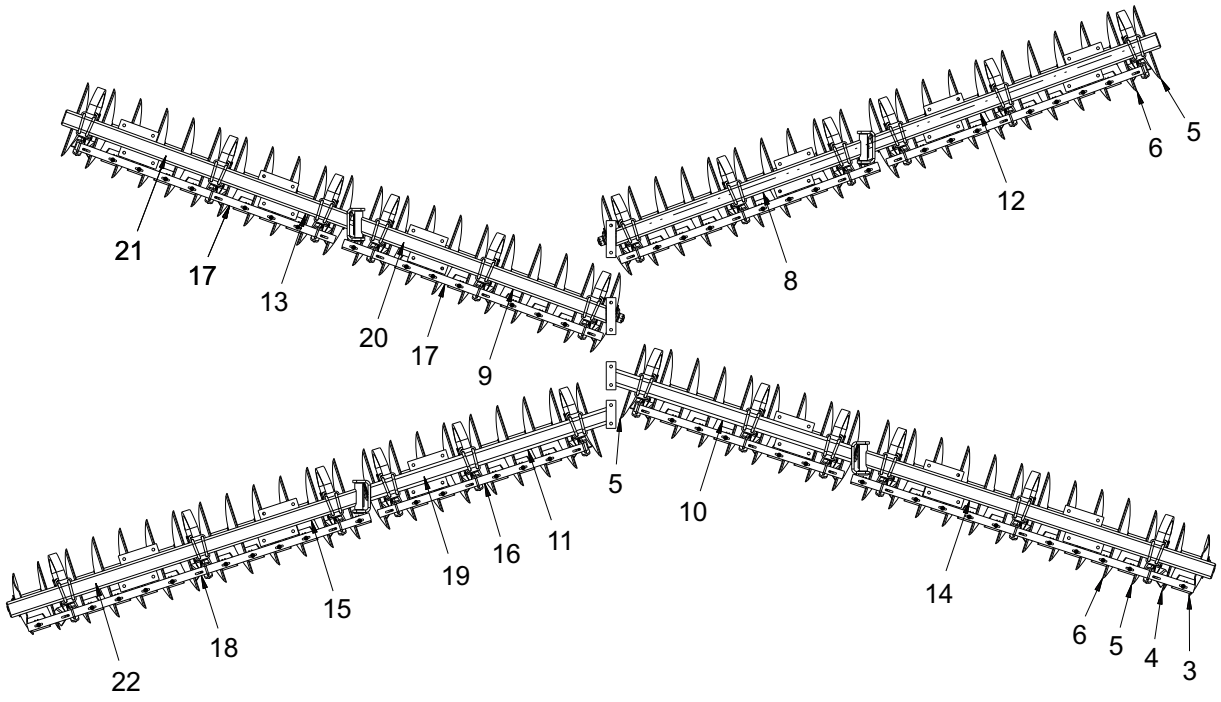
6231-30 24” 4GA DISC BLADES - 7 SPACING (198293)

Figure 1-48: Disc Gang Placement - 30' (24” Disc Blades) (3 of 3)

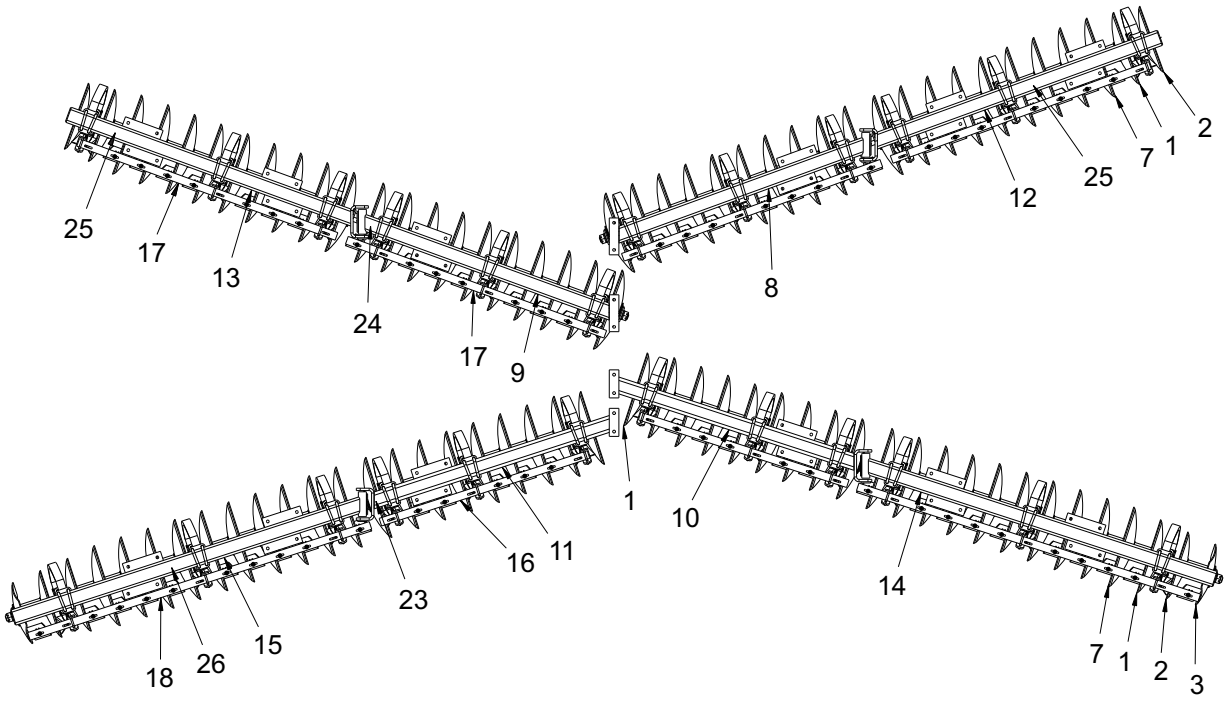
https://truckmanualshub.com/

Disc Gang Placement - 30' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191428	GANG ASSEMBLY, 24” 4 GA	*				
--	195644	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193559	GANG ASSY, 24" 4GA ROLL 30 **(ROLLABLE)**			*		
--	191435	GANG ASSY, 24" 7SP ROLL 4GA 30 **(ROLLABLE)**				*	
--	198293	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24" X 1/4” 1-3/4 ID	76	76	--	--	--
2	140466	DISC BLADE, 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	155618	DISC BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
6	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
7	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	76	--	--
8	193512	GANG BAR, RCF 30'-36'	1	1	1	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1	1	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1	1	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1	1	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1	1	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1	1	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1	1	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1	1	1	1
16	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2	2	--	--
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	4	4	4	--	--
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	2	2	--	--
19	141165	SHAFT, GANG 76-1/2”	2	2	2	2	2
20	141166	SHAFT, GANG 85-1/2”	2	2	2	--	--
21	141186	SHAFT, GANG 94"	2	2	2	--	--
22	141187	SHAFT, GANG 111-1/2”	2	2	2	--	--
23	199399	SHAFT, GANG 119”	--	--	--	2	2
24	156082	SHAFT, GANG 98”	--	--	--	2	2
25	156921	SHAFT, GANG 83-1/2”	--	--	--	2	2
26	153701	SCRAPER BAR 7 SP 10 HOLE	--	--	--	2	2
27	153703	SCRAPER BAR 7 SP 12 HOLE	--	--	--	2	2
28	153704	SCRAPER BAR 7 SP 13 HOLE	--	--	--	2	2
29	182328	SCRAPER BAR 7 SP 17 HOLE	--	--	--	2	2
30	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
31	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
32	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	98	--
33	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	98
34	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2



6231-30 26” 4GA DISC BLADES (198278)



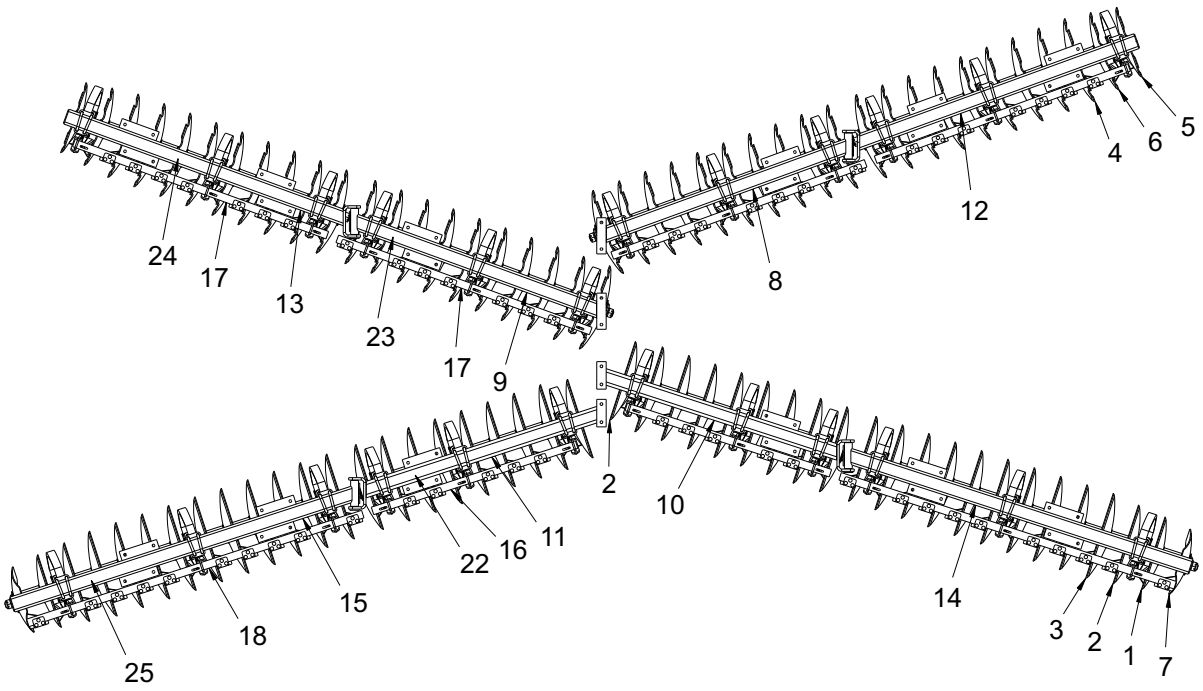
6231-30 26” X 5/16 DISC BLADES (194613)

Figure 1-49: Disc Gang Placement - 30' (26” Disc Blades)

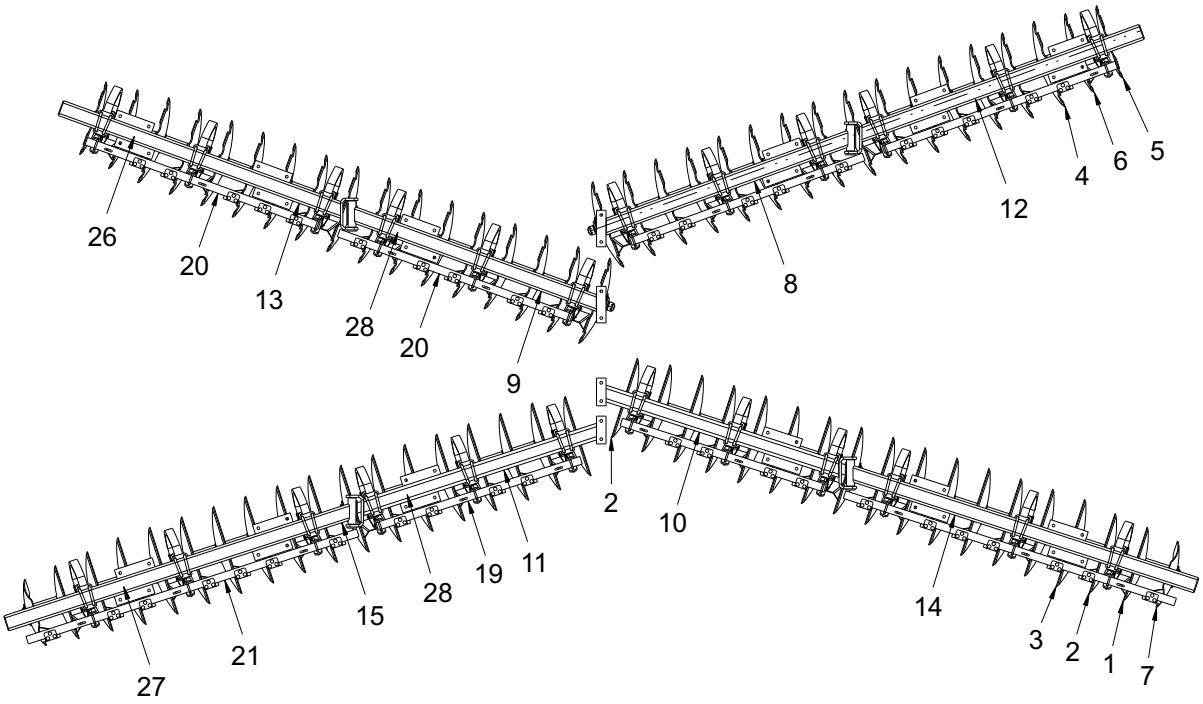
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Disc Gang Placement - 30' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198278	GANG ASSEMBLY, 26” 4GA	*	
--	194613	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	76	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	74
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1
16	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	2
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	4	4
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	2
19	141165	SHAFT, GANG 76-1/2”	2	--
20	141166	SHAFT, GANG 68”	2	--
21	141186	SHAFT, GANG 94”	2	--
22	141187	SHAFT, GANG 111-1/2”	2	--
23	142581	SHAFT, GANG 77”	--	2
24	142582	SHAFT, GANG 86”	--	2
25	142703	SHAFT, GANG 95”	--	2
26	142704	SHAFT, GANG 112-1/2”	--	2



6231-30 28” X 5/16” 8-3/4 NFPR DISC BLADES (195682)



6231-30 28” X 5/16” 10-1/2 NFPR DISC BLADES (197730)

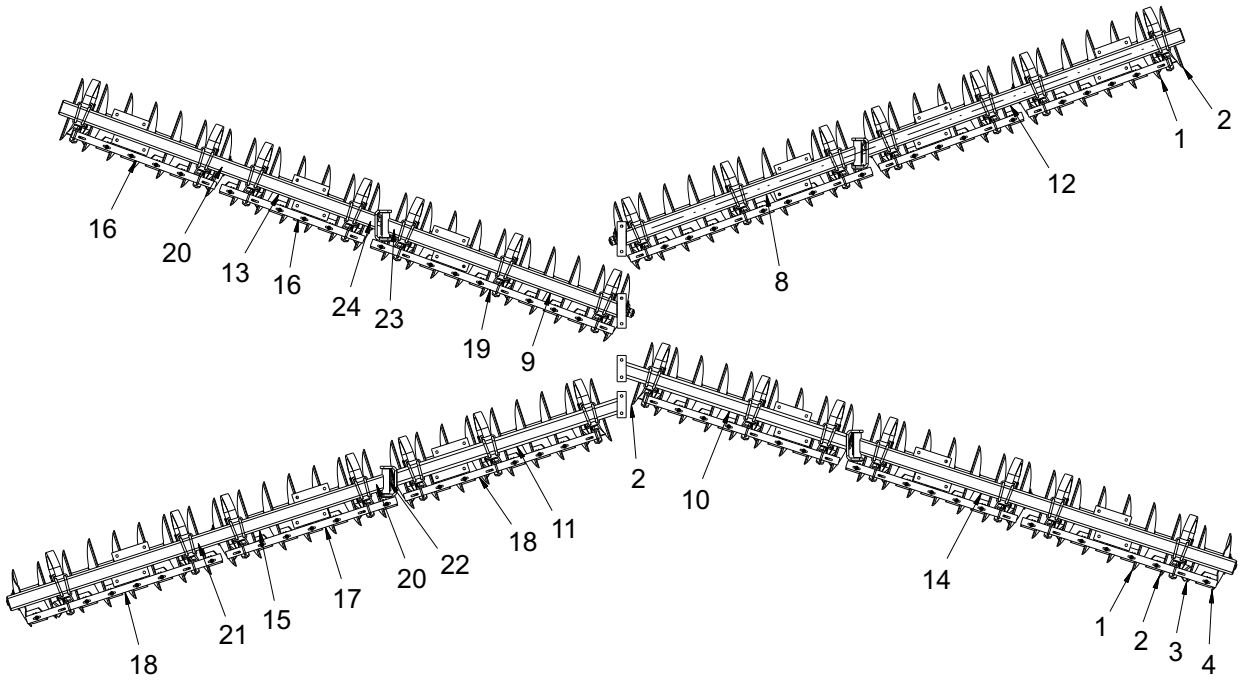
Figure 1-50: Disc Gang Placement - 30' (28” Disc Blades)

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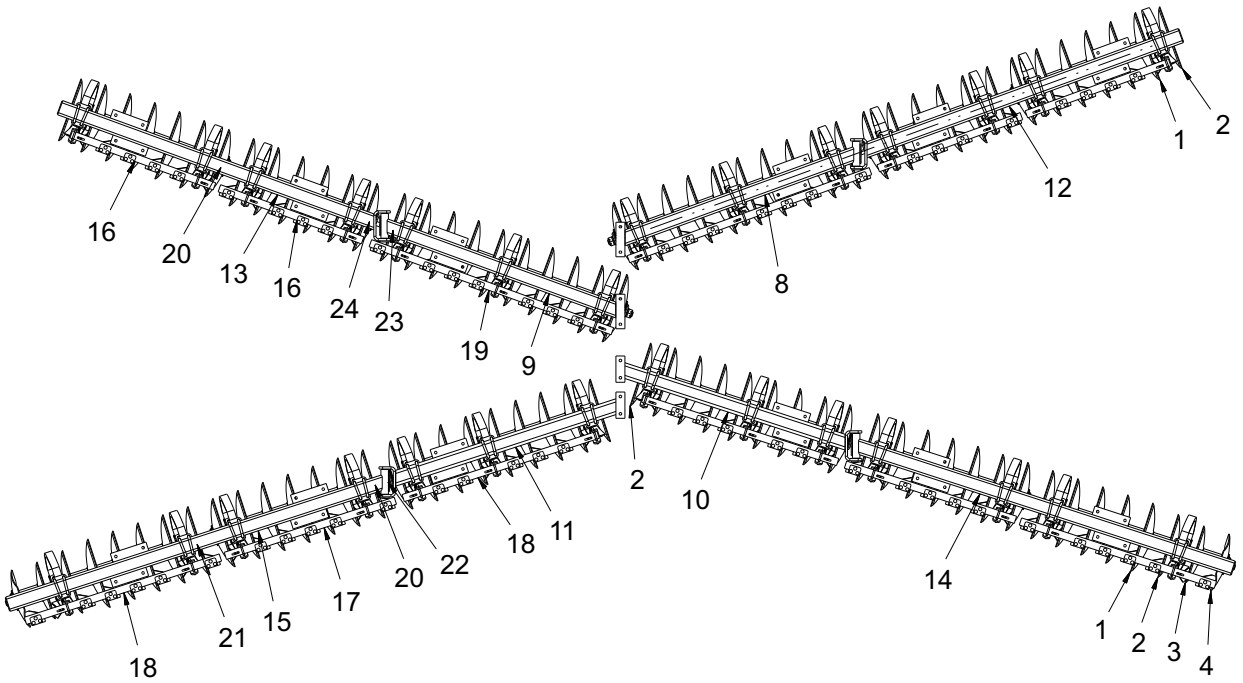
Disc Gang Placement - 30' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195682	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197730	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	36	28
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	38	30
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID, 3-SIDED	2	2
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193524	GANG BAR, RWF 26'-30'	1	1
13	193525	GANG BAR, LWF 26'-30'	1	1
14	193526	GANG BAR, RWR 26'-30'	1	1
15	193527	GANG BAR, LWR 26'-30'	1	1
16	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	2	--
17	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	4	--
18	141173	SCRAPER BAR, 8-3/4 SP 13 HOLE	2	--
19	149603	SCRAPER BAR, 10-1/2 SP 6 HOLE	--	2
20	149604	SCRAPER BAR, 10-1/2 SP 7 HOLE	--	4
21	149607	SCRAPER BAR, 10-1/2 SP 10 HOLE	--	2
22	142581	SHAFT, GANG 77”	2	--
23	142582	SHAFT, GANG 86”	2	--
24	142703	SHAFT, GANG 95”	2	--
25	142704	SHAFT, GANG 112-1/2”	2	--
26	185721	SHAFT, GANG 91”	--	2
27	185722	SHAFT, GANG 102”	--	2
28	185724	SHAFT, GANG 80-1/2”	--	4

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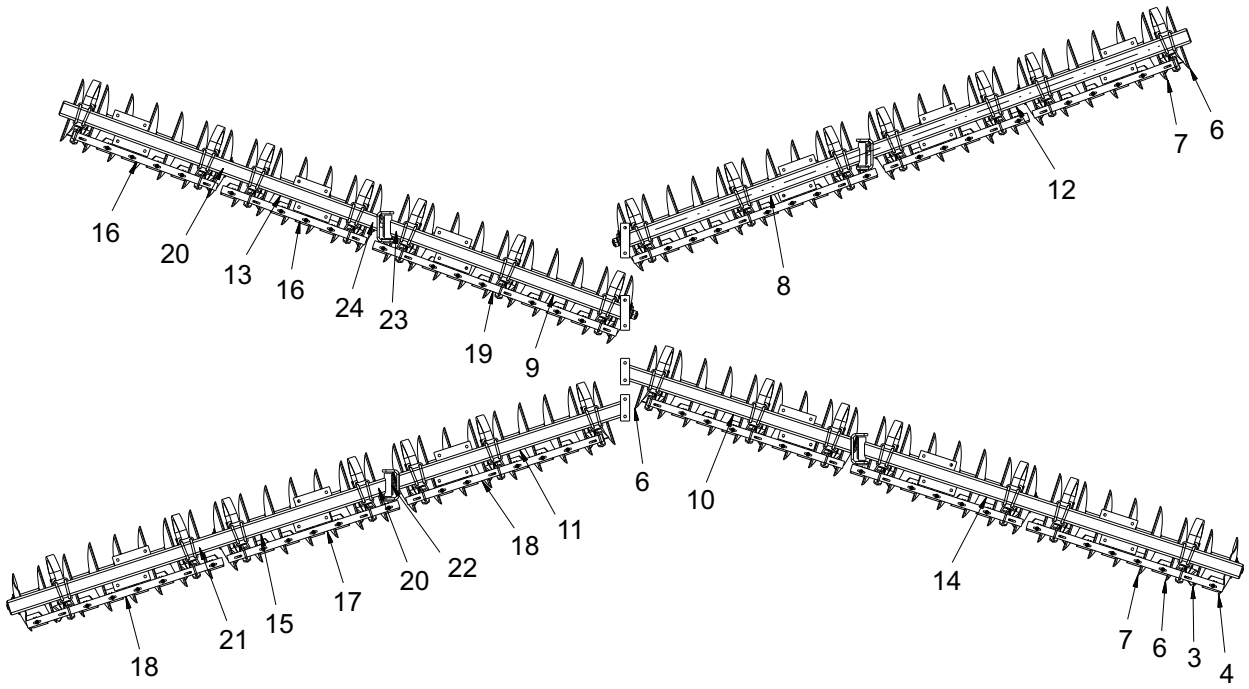
6231-33 24” 4GA DISC BLADES (191429)



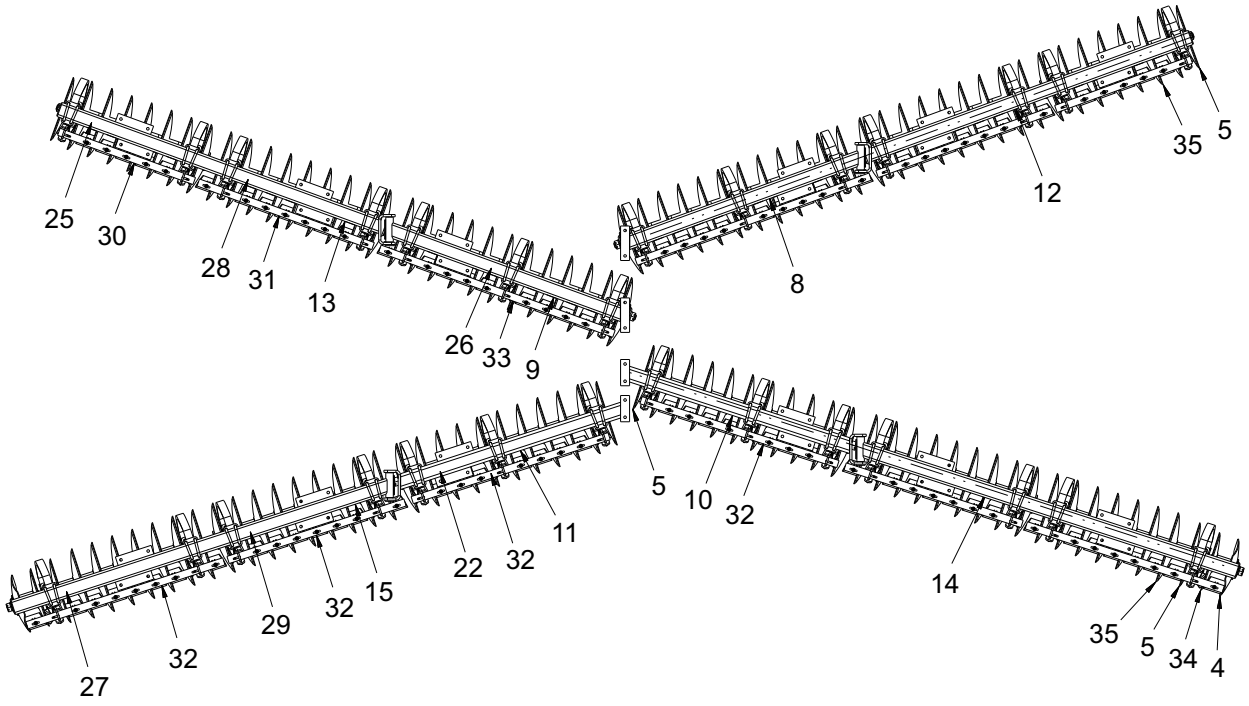
6231-33 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195645)

Figure 1-51: Disc Gang Placement - 33' (24” Disc Blades) (1 of 3)

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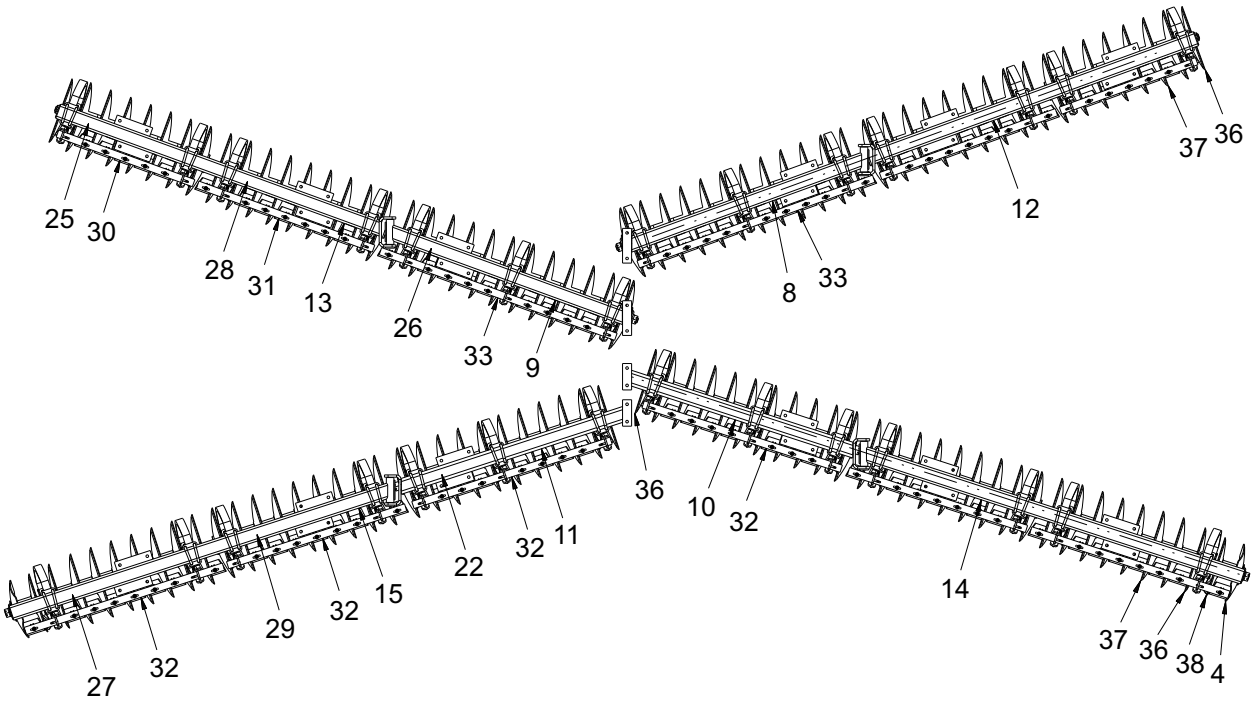
6231-33 24” 4GA DISC BLADES - ROLLABLE (193560)



6231-33 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191436)

Figure 1-52: Disc Gang Placement - 33' (24” Disc Blades) (2 of 3)

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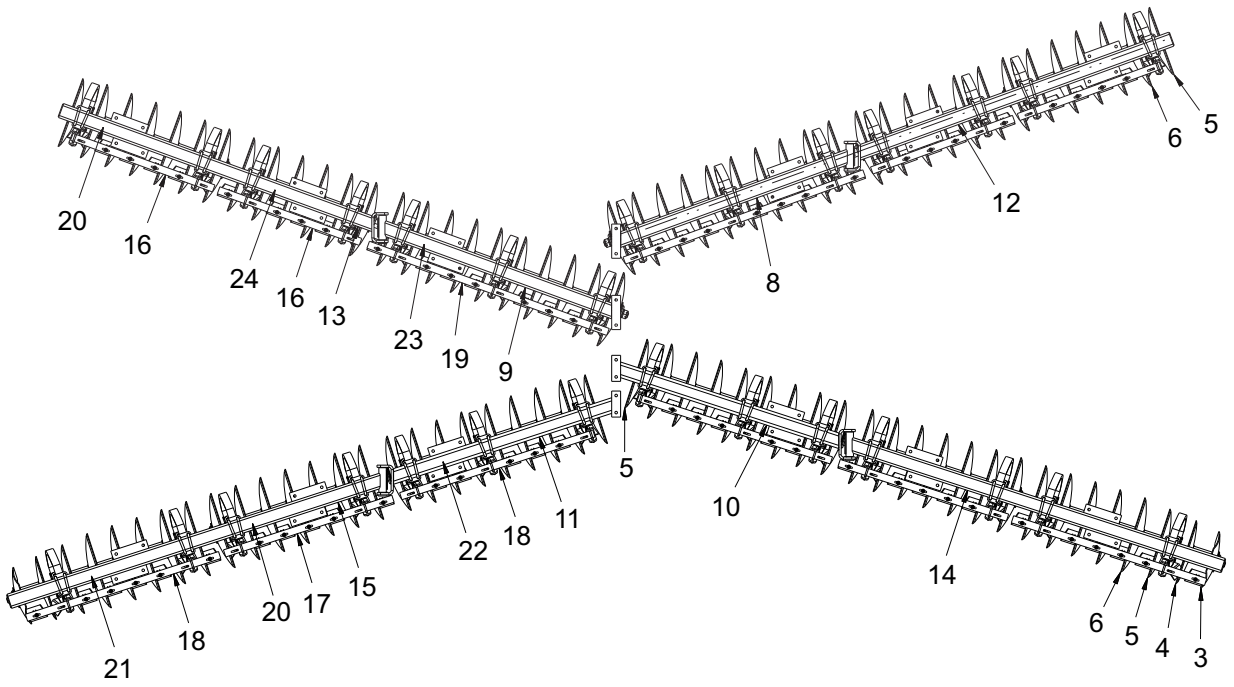
6231-33 24” 4GA DISC BLADES - 7 SPACING (198294)

Figure 1-53: Disc Gang Placement - 33' (24” Disc Blades) (3 of 3)

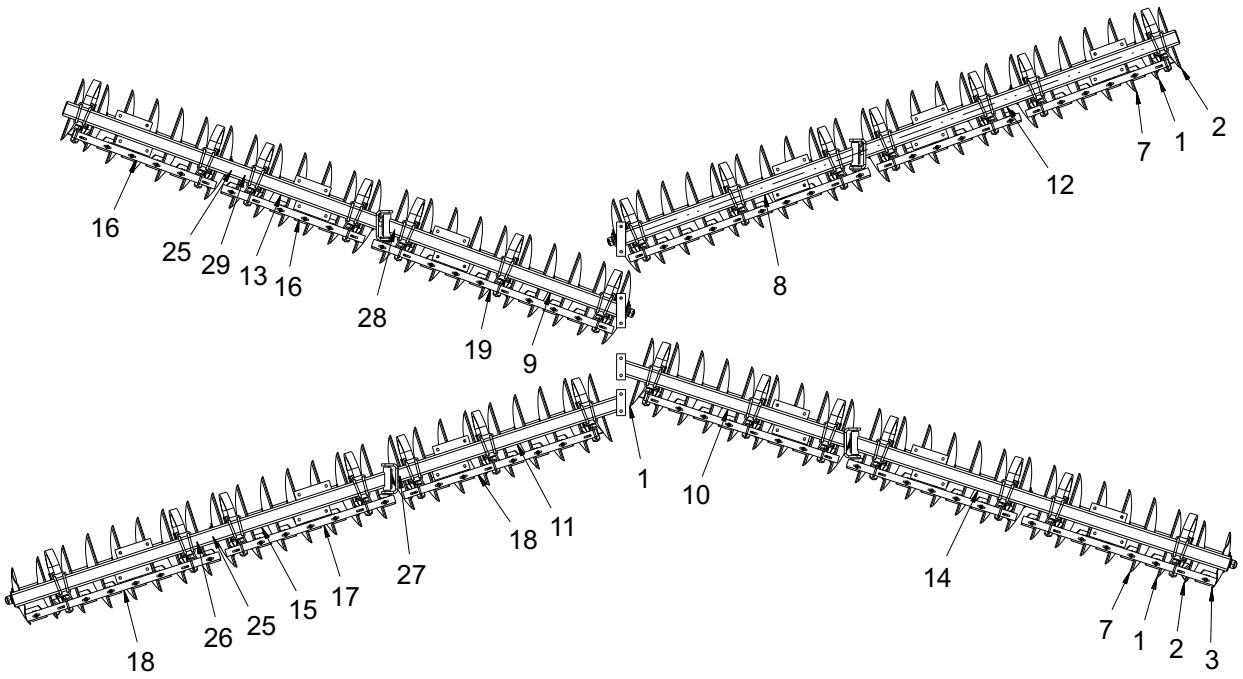
https://truckmanualshub.com/

Disc Gang Placement - 33' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191429	GANG ASSEMBLY, 24” 4 GA	*				
--	195645	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193560	GANG ASSY, 24" 4GA ROLL 33 **(ROLLABLE)**			*		
--	191436	GANG ASSY, 24" 7SP ROLL 4GA 33 **(ROLLABLE)**				*	
--	198294	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24" X 1/4” 1-3/4 ID	84	84	--	--	--
2	140466	DISC BLADE, 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	155618	DISC BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
6	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
7	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	84	--	--
8	193512	GANG BAR, RCF 30'-36'	1	1	1	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1	1	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1	1	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1	1	1	1
12	193528	GANG BAR, RWF 29'-33'	1	1	1	1	1
13	193529	GANG BAR, LWF 29'-33'	1	1	1	1	1
14	193530	GANG BAR, RWR 29'-33'	1	1	1	1	1
15	193531	GANG BAR, LWR 29'-33'	1	1	1	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	4	4	--	--
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2	2	--	--
18	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	4	4	4	--	--
19	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	2	2	--	--
20	141163	SHAFT, GANG 59”	4	4	4	--	--
21	141164	SHAFT, GANG 68"	2	2	2	--	--
22	141165	SHAFT, GANG 76-1/2”	2	2	2	2	2
23	141166	SHAFT, GANG 85-1/2”	2	2	2	--	--
24	141184	SHAFT, GANG 50-1/2”	2	2	2	--	--
25	153713	SHAFT, GANG 55-1/2”	--	--	--	2	2
26	156921	SHAFT, GANG 83-1/2”	--	--	--	2	2
27	164562	SHAFT, GANG 69”	--	--	--	2	2
28	180087	SHAFT, GANG 61-1/2”	--	--	--	2	2
29	142580	SHAFT, GANG 68-1/2”	--	--	--	2	2
30	153698	SCRAPER BAR 7 SP 7 HOLE	--	--	--	2	2
31	153700	SCRAPER BAR 7 SP 9 HOLE	--	--	--	2	2
32	153701	SCRAPER BAR 7 SP 10 HOLE	--	--	--	6	6
33	153703	SCRAPER BAR 7 SP 12 HOLE	--	--	--	2	2
34	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
35	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	110	--
36	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
37	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	110
38	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2



6231-33 26” 4GA DISC BLADES (198279)



6231-33 26” X 5/16 DISC BLADES (194614)

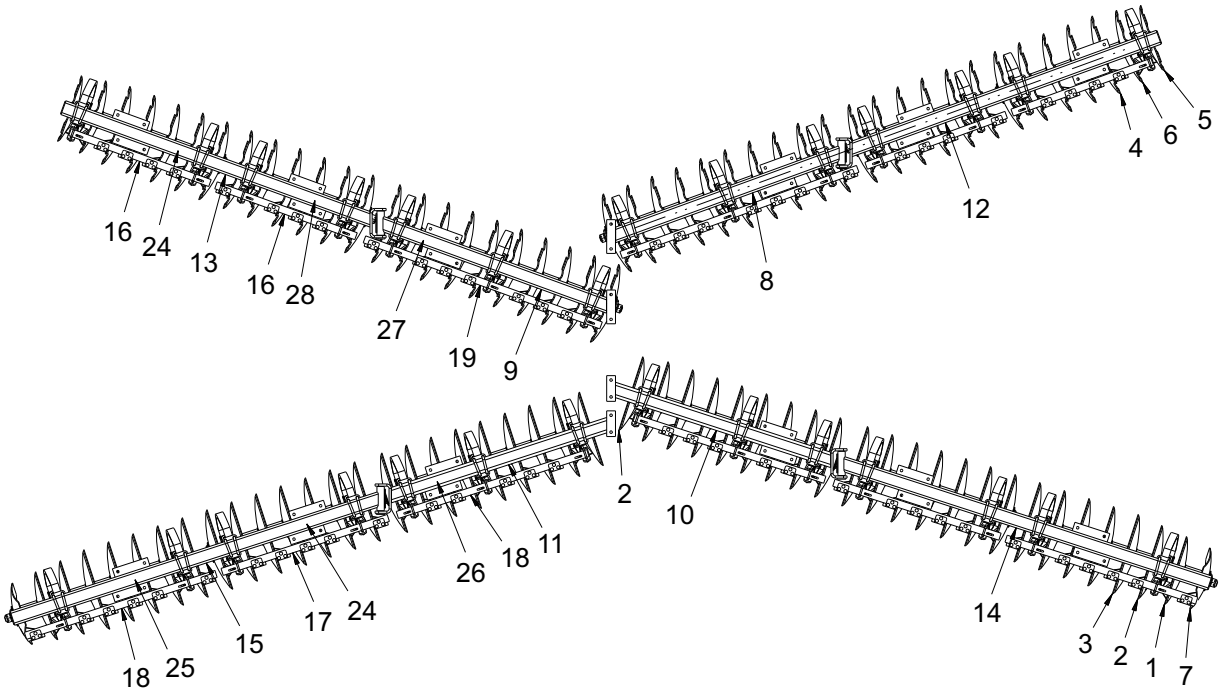
Figure 1-54: Disc Gang Placement - 33' (26” Disc Blades)

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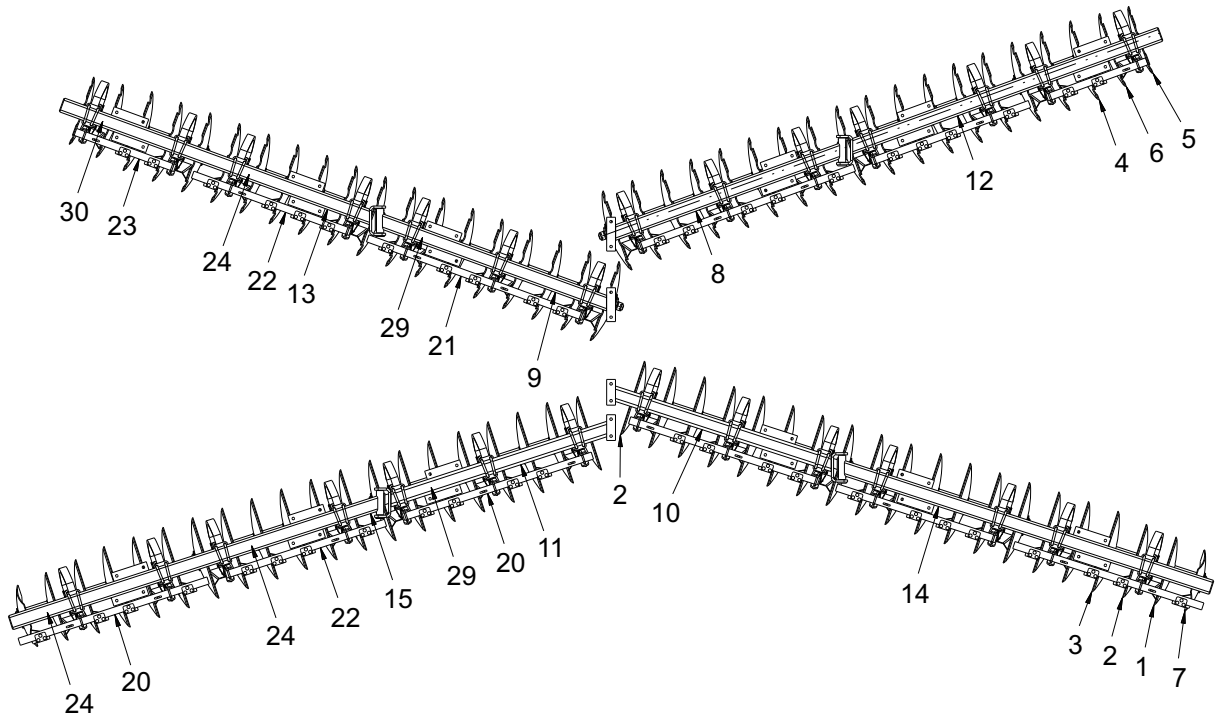
Disc Gang Placement - 33' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198279	GANG ASSEMBLY, 26” 4GA	*	
--	194614	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	84	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	82
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193528	GANG BAR, RWF 29'-33'	1	1
13	193529	GANG BAR, LWF 29'-33'	1	1
14	193530	GANG BAR, RWR 29'-33'	1	1
15	193531	GANG BAR, LWR 29'-33'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	4
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	2
18	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	4	4
19	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	2
20	141163	SHAFT, GANG 59"	4	--
21	141164	SHAFT, GANG 68”	2	--
22	141165	SHAFT, GANG 76-1/2”	2	--
23	141166	SHAFT, GANG 85-1/2”	2	--
24	141184	SHAFT, GANG 50-1/2”	2	--
25	142579	SHAFT, GANG 59-1/2”	--	4
26	142580	SHAFT, GANG 68-1/2”	--	2
27	142581	SHAFT, GANG 77”	--	2
28	142582	SHAFT, GANG 86”	--	2
29	142705	SHAFT, GANG 51”	--	2

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6231-33 28” X 5/16” 8-3/4 NFPR DISC BLADES (195683)



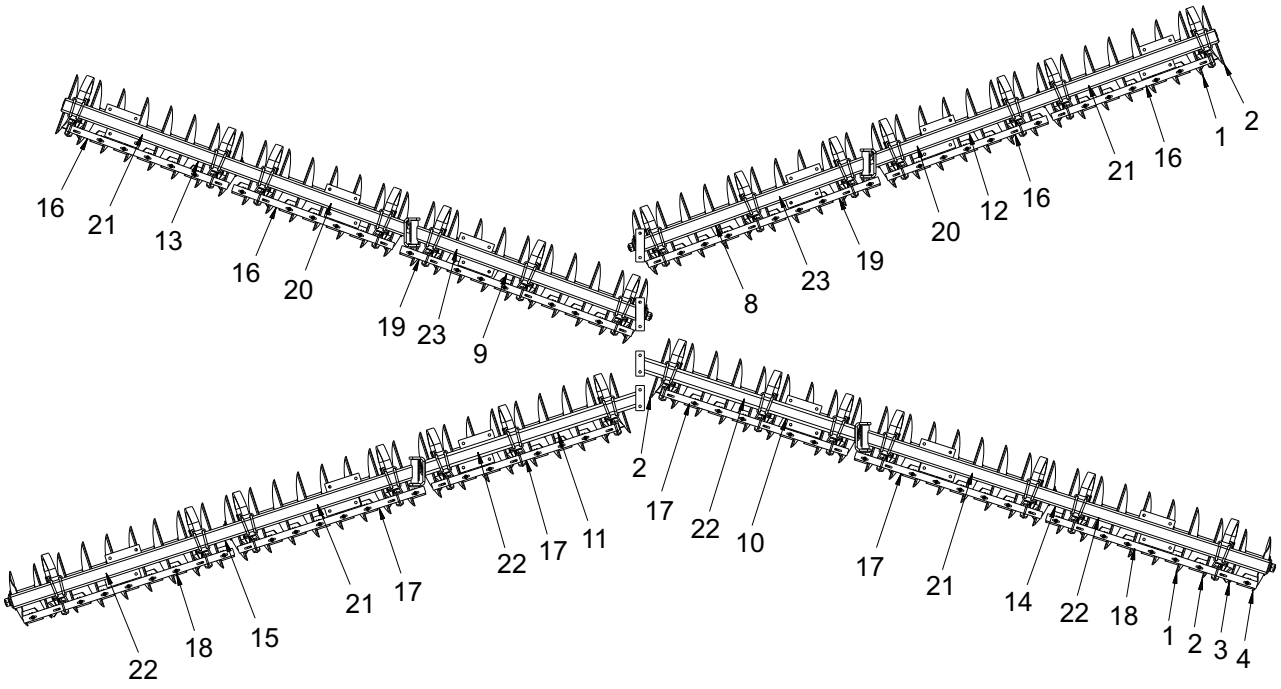
6231-33 28” X 5/16” 10-1/2 NFPR DISC BLADES (197731)

Figure 1-55: Disc Gang Placement - 33' (28” Disc Blades)

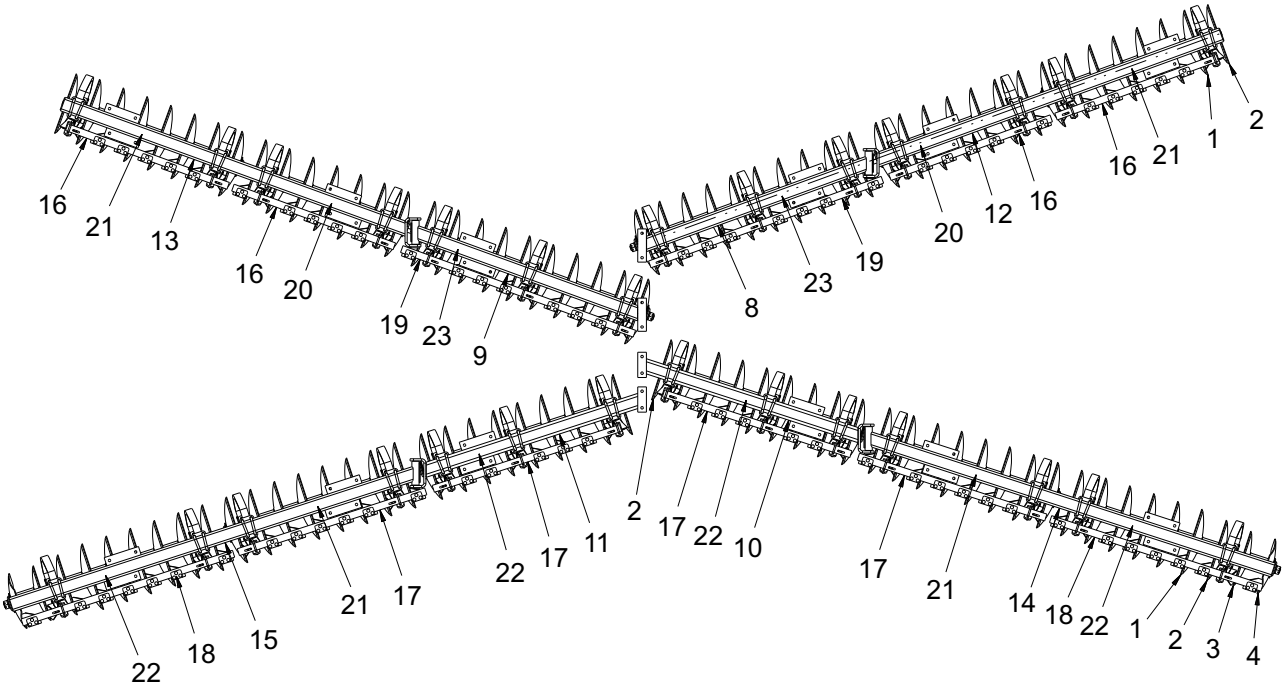
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Disc Gang Placement - 33' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195683	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197731	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	40	32
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	42	34
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID, 3-SIDED	2	2
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193528	GANG BAR, RWF 29'-33'	1	1
13	193529	GANG BAR, LWF 29'-33'	1	1
14	193530	GANG BAR, RWR 29'-33'	1	1
15	193531	GANG BAR, LWR 29'-33'	1	1
16	141167	SCRAPER BAR, 8-3/4 SP 6 HOLE	4	--
17	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	2	--
18	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	4	--
19	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	--
20	149603	SCRAPER BAR, 10-1/2” SP 6 HOLE	--	4
21	149604	SCRAPER BAR, 10-1/2 SP 7 HOLE	--	2
22	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	4
23	197733	SCRAPER BAR, 10-1/2 SP 3 HOLE	--	2
24	142579	SHAFT, GANG 59-1/2”	4	6
25	142580	SHAFT, GANG 68-1/2”	2	--
26	142581	SHAFT, GANG 77”	2	--
27	142582	SHAFT, GANG 86”	2	--
28	142705	SHAFT, GANG 51”	2	--
29	185724	SHAFT, GANG 80-1/2”	--	4
30	195698	SHAFT, GANG 49”	--	2



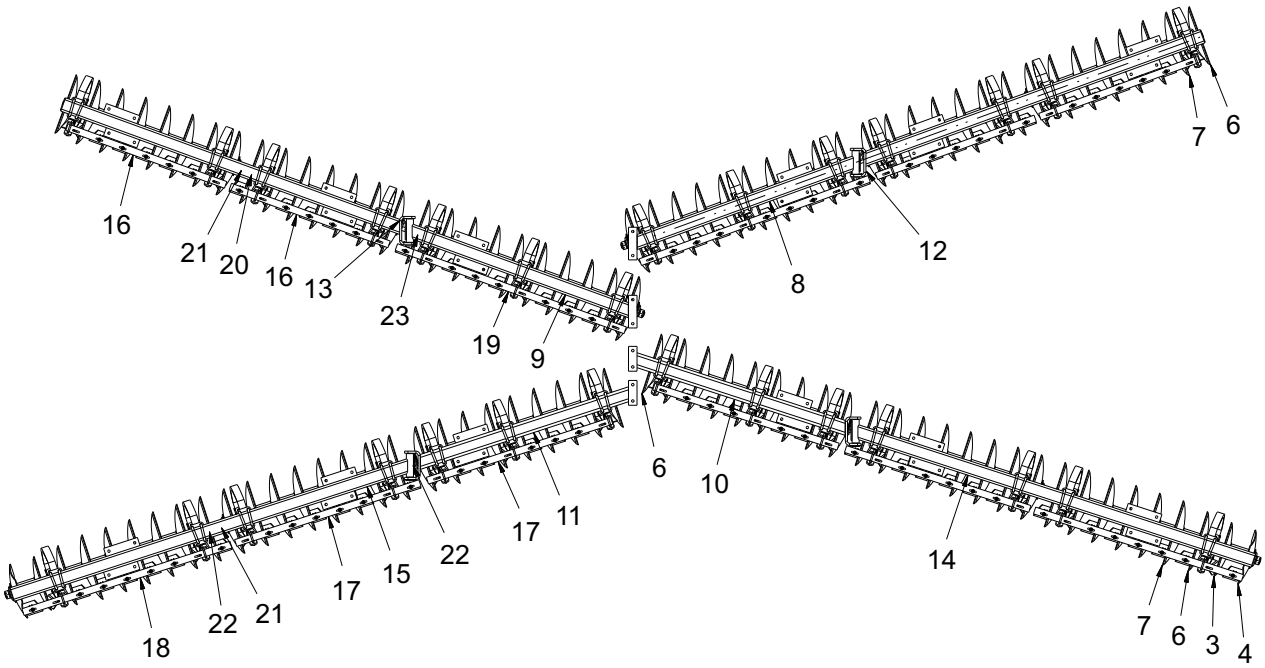
6231-36 24” 4GA DISC BLADES (191430)



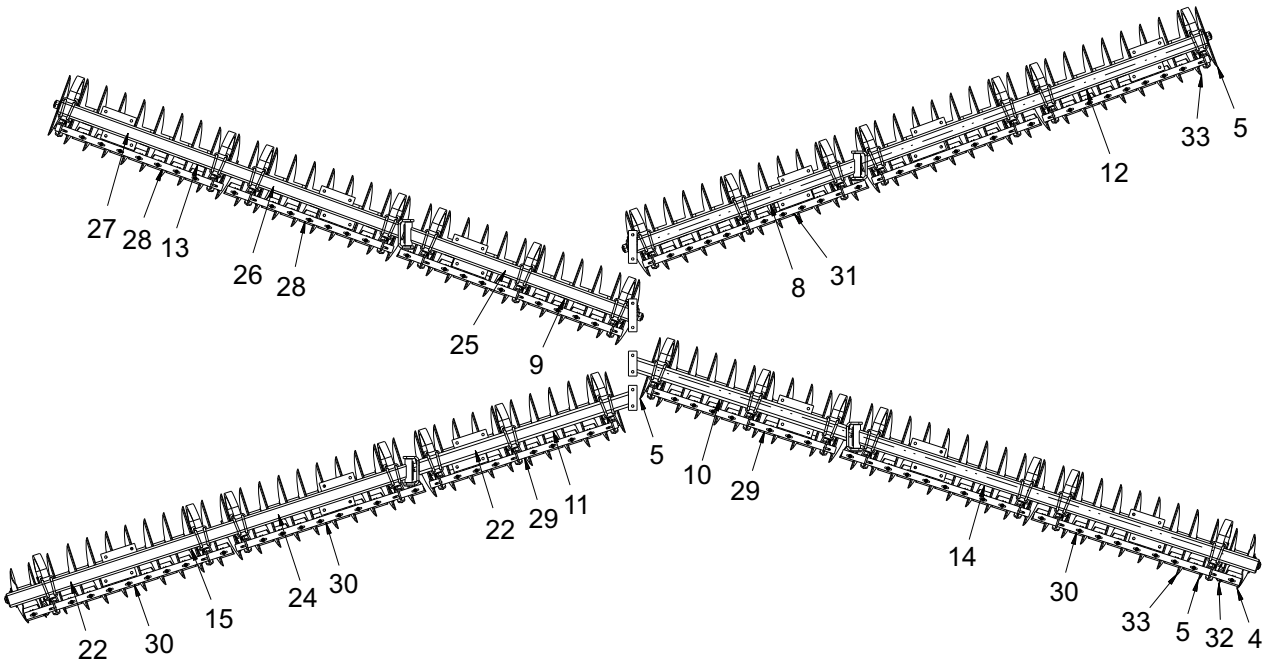
6231-36 24” 4GA DISC BLADES W/ HEAVY DUTY SCRAPERS (195646)

Figure 1-56: Disc Gang Placement - 36' (24” Disc Blades) (1 of 3)

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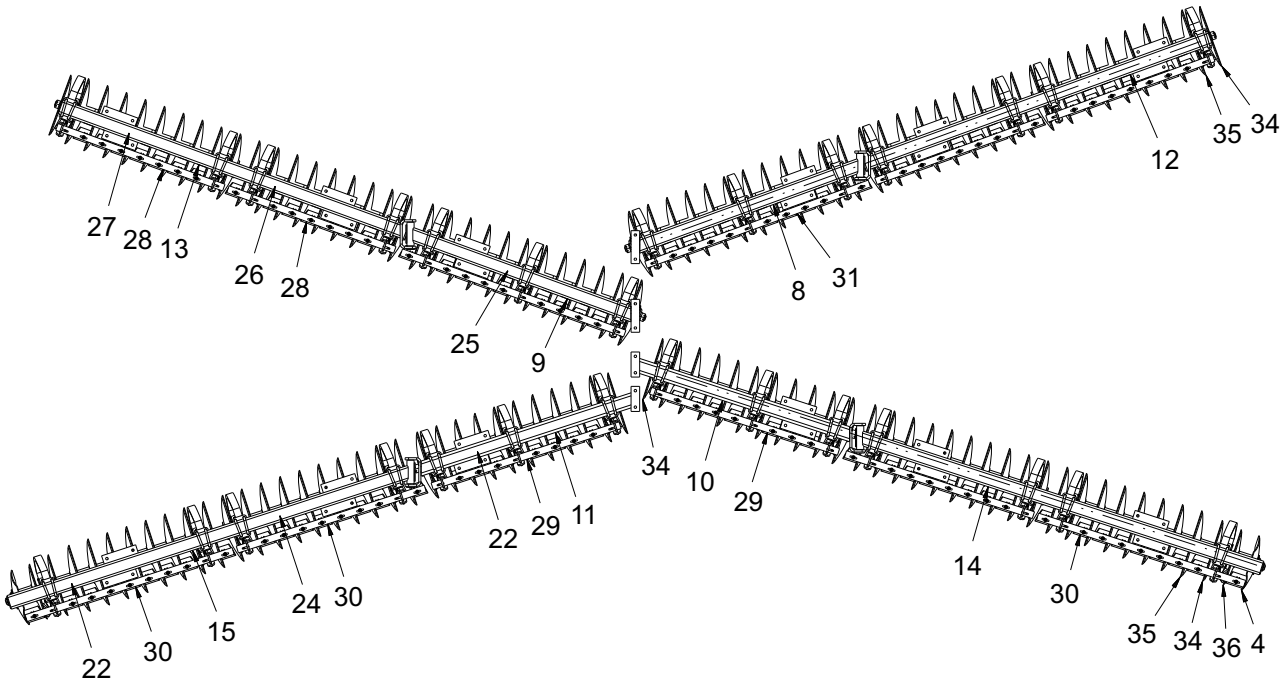
6231-36 24” 4GA DISC BLADES - ROLLABLE (193561)



6231-36 24” 4GA DISC BLADES - 7 SPACING ROLLABLE (191437)

Figure 1-57: Disc Gang Placement - 36' (24” Disc Blades) (2 of 3)

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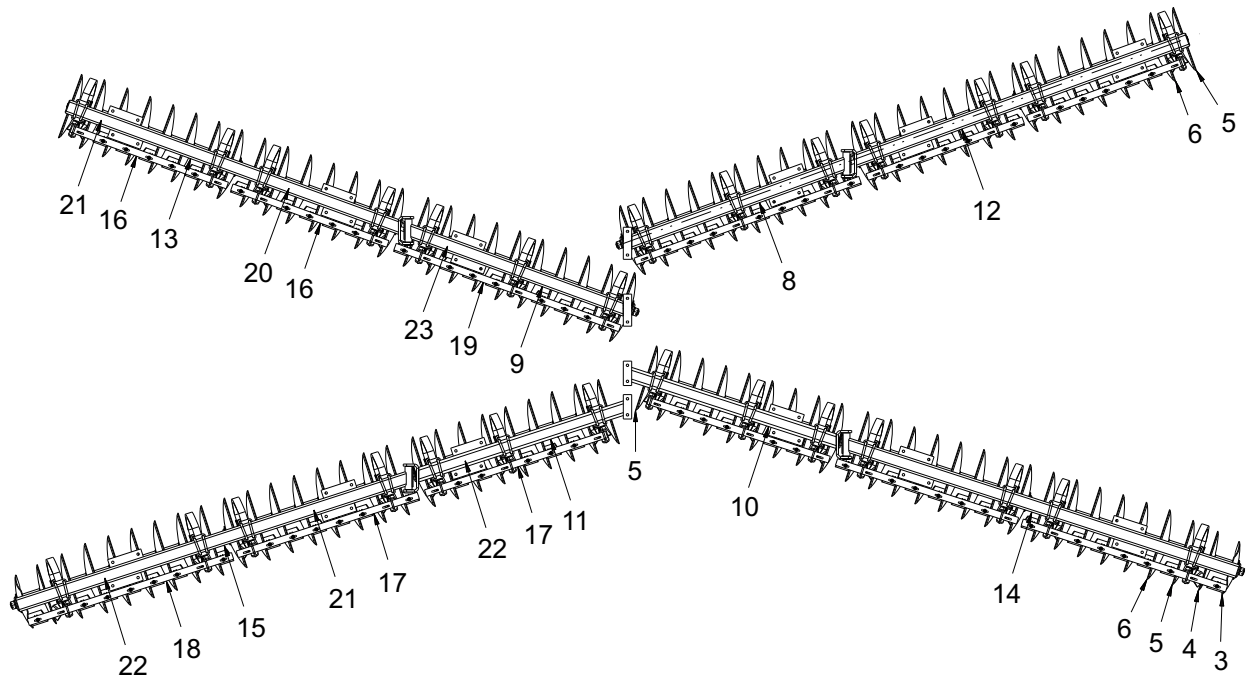
6231-36 24” 4GA DISC BLADES - 7 SPACING (198295)

Figure 1-58: Disc Gang Placement - 36' (24” Disc Blades) (3 of 3)

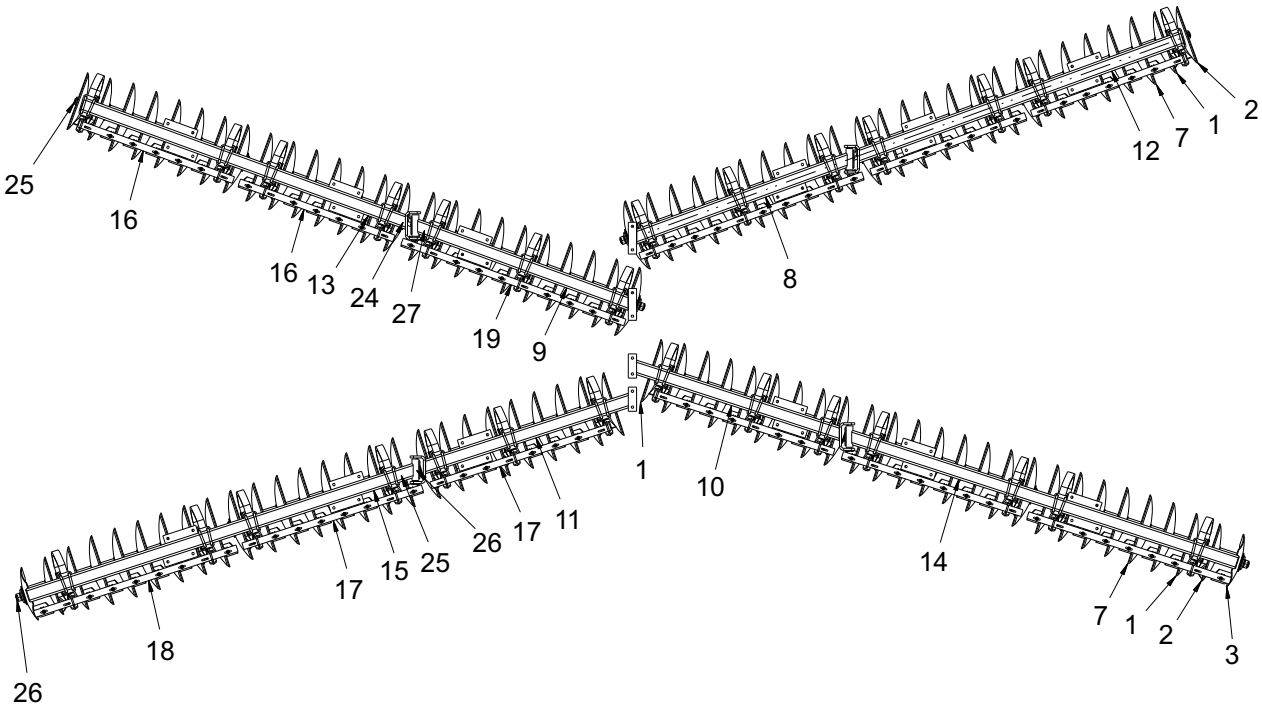
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Disc Gang Placement - 36' (24” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.				
--	191430	GANG ASSEMBLY, 24” 4 GA	*				
--	195646	GANG ASSEMBLY, 24” 4 GA HDS		*			
--	193561	GANG ASSY, 24" 4GA ROLL 33 **(ROLLABLE)**			*		
--	191437	GANG ASSY, 24" 7SP ROLL 4GA 33 **(ROLLABLE)**				*	
--	198295	GANG ASSEMBLY, 24” 4GA 7SP					*
1	140465	DISC BLADE, 24" X 1/4” 1-3/4 ID	92	92	--	--	--
2	140466	DISC BLADE, 22" X 1/4” 1-3/4 ID	6	6	--	--	--
3	140467	DISC BLADE, 20” X 1/4” 1-3/4 ID	2	2	2	--	--
4	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2	2	2	2
5	155618	DISC BLADE, 22” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	6	--
6	142660	DISC BLADE, 22" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	6	--	--
7	142662	DISC BLADE, 24" X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	92	--	--
8	193512	GANG BAR, RCF 30'-36'	1	1	1	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1	1	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1	1	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1	1	1	1
12	193532	GANG BAR, RWF 36'	1	1	1	1	1
13	193533	GANG BAR, LWF 36'	1	1	1	1	1
14	193534	GANG BAR, RWR 36'	1	1	1	1	1
15	193535	GANG BAR, LWR 36'	1	1	1	1	1
16	141168	SCRAPER, BAR, 8-3/4 SP 7 HOLE	4	4	4	--	--
17	141169	SCRAPER, BAR, 8-3/4 SP 8 HOLE	4	4	4	--	--
18	141170	SCRAPER, BAR, 8-3/4 SP 9 HOLE	2	2	2	--	--
19	141171	SCRAPER, BAR, 8-3/4 SP 10 HOLE	2	2	2	--	--
20	141163	SHAFT, GANG 59"	2	2	2	--	--
21	141164	SHAFT, GANG 68"	4	4	4	--	--
22	141165	SHAFT, GANG 76-1/2”	4	4	4	4	4
23	141166	SHAFT, GANG 85-1/2”	2	2	2	--	--
24	156922	SHAFT, GANG 68-1/2”	--	--	--	2	2
25	156921	SHAFT, GANG 83-1/2”	--	--	--	2	2
26	180087	SHAFT, GANG 61-1/2”	--	--	--	2	2
27	180147	SHAFT, GANG 69-1/2”	--	--	--	2	2
28	153700	SCRAPER BAR 7 SP 9 HOLE	--	--	--	4	4
29	153701	SCRAPER BAR 7 SP 10 HOLE	--	--	--	2	2
30	153702	SCRAPER BAR 7 SP 11 HOLE	--	--	--	4	4
31	153703	SCRAPER BAR 7 SP 12 HOLE	--	--	--	2	2
32	155619	DISC BLADE, 20” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	2	--
33	172076	DISC BLADE, 24” X 1/4” 1-3/4 ID **(ROLLABLE)**	--	--	--	118	--
34	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	--	--	--	6
35	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	--	--	--	118
36	186100	DISC BLADE, 20” X 1/4” 1-3/4 ID	--	--	--	--	2



6231-36 26” 4GA DISC BLADES (198280)



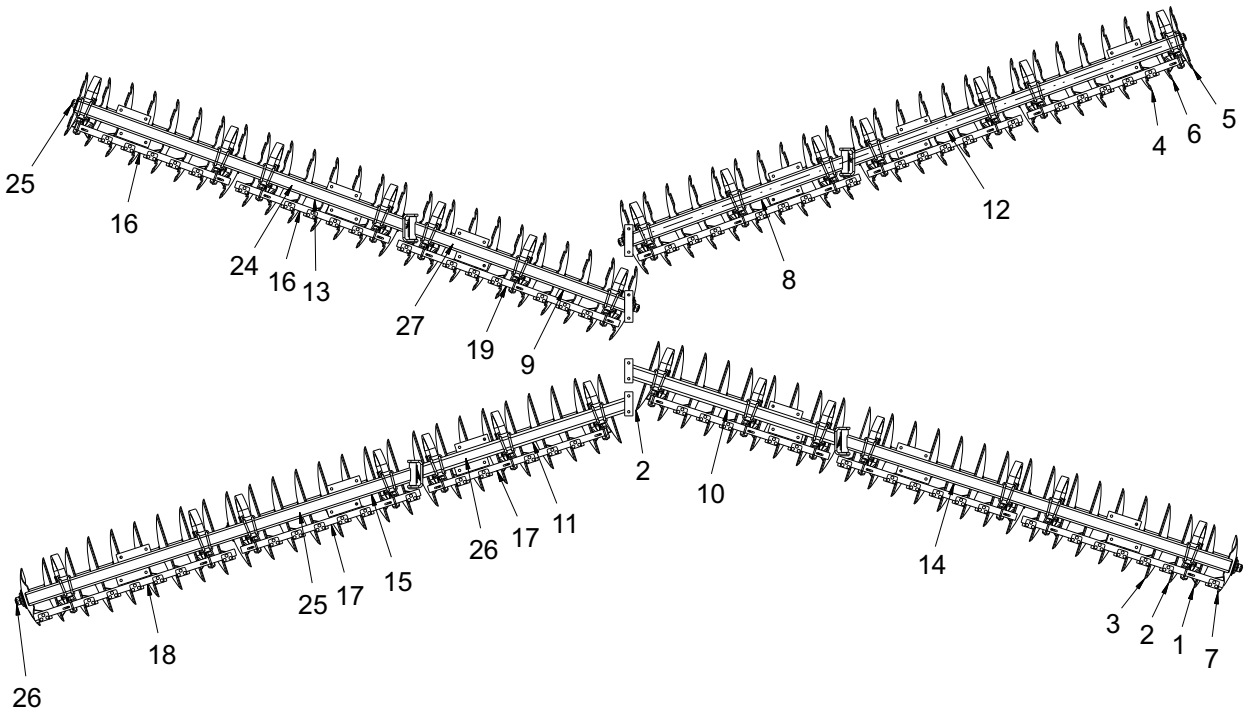
6231-36 26” X 5/16 DISC BLADES (194615)

Figure 1-59: Disc Gang Placement - 36' (26” Disc Blades)

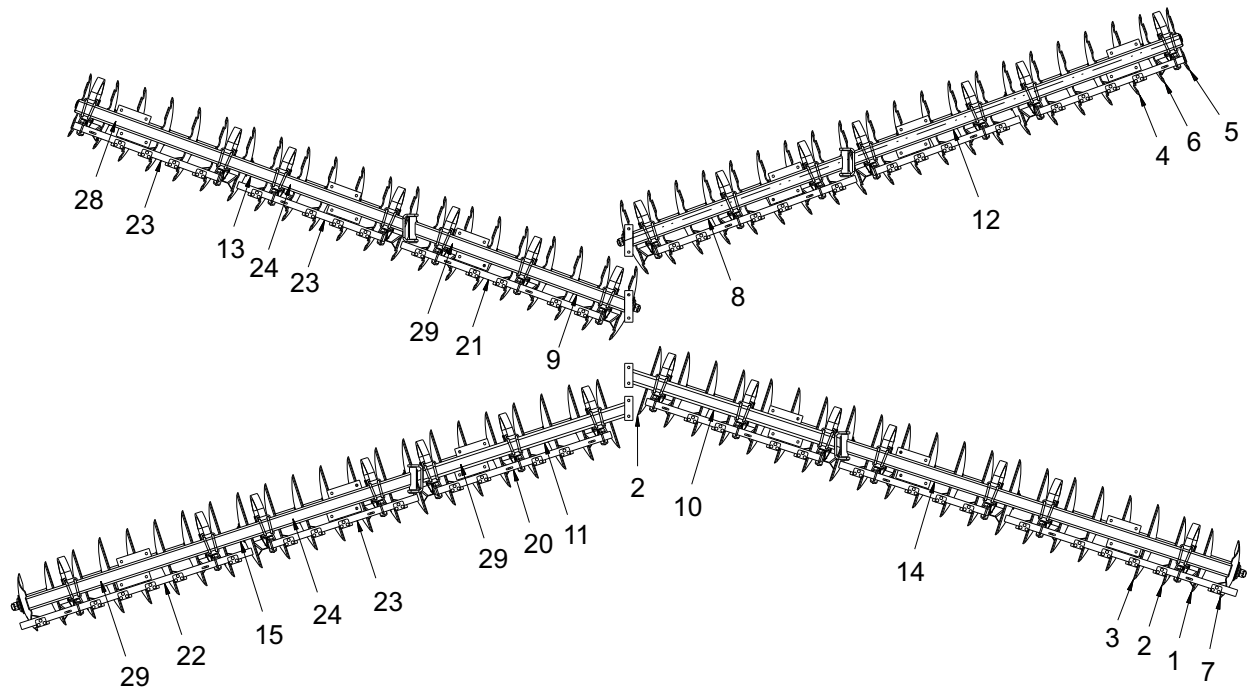
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Disc Gang Placement - 36' (26” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	198280	GANG ASSEMBLY, 26” 4GA	*	
--	194615	GANG ASSEMBLY, 26” 5/16”		*
1	140465	DISC BLADE, 24” X 1/4” 1-3/4 ID	--	6
2	140466	DISC BLADE, 22” X 1/4” 1-3/4 ID	--	4
3	140468	DISC BLADE, 20” X 1/4” 3-SIDED	2	2
4	155617	DISC BLADE, 22” X 1/4” 1-3/4 ID	2	--
5	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	6	--
6	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	92	--
7	141871	DISC BLADE, 26” X 5/16” 1-3/4 ID	--	90
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193532	GANG BAR, RWF 36'	1	1
13	193533	GANG BAR, LWF 36'	1	1
14	193534	GANG BAR, RWR 36'	1	1
15	193535	GANG BAR, LWR 36'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	4	4
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	4	4
18	141170	SCRAPER BAR, 8-3/4 SP 9 HOLE	2	2
19	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	2
20	141163	SHAFT, GANG 59"	2	--
21	141164	SHAFT, GANG 68”	4	--
22	141165	SHAFT, GANG 76-1/2”	4	--
23	141166	SHAFT, GANG 85-1/2”	2	--
24	142579	SHAFT, GANG 59-1/2”	--	2
25	142580	SHAFT, GANG 68-1/2”	--	4
26	142581	SHAFT, GANG 77”	--	4
27	142582	SHAFT, GANG 86”	--	2



6231-36 28” X 5/16” 8-3/4 NFPR DISC BLADES (195684)



6231-36 28” X 5/16” 10-1/2 NFPR DISC BLADES (197732)

Figure 1-60: Disc Gang Placement - 36' (28” Disc Blades)

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Disc Gang Placement - 36' (28” Disc Blades)

ITEM	PART NO.	DESCRIPTION	QTY.	
--	195684	GANG ASSEMBLY, 28” X 5/16” 8-3/4 NFPR	*	
--	197732	GANG ASSEMBLY, 28” X 5/16” 10-1/2 NFPR		*
1	161530	DISC BLADE, 24” X 1/4” 1-3/4 ID	2	2
2	169575	DISC BLADE, 26” X 1/4” 1-3/4 ID	4	4
3	195676	DISC BLADE, 28” X 5/16” 1-3/4 ID	44	36
4	195677	DISC BLADE, 28” X 5/16” NOTCHED 1-3/4 ID	46	38
5	195690	DISC BLADE, 24” X 5/16” NOTCHED 1-3/4 ID	2	2
6	195691	DISC BLADE, 26” X 5/16” NOTCHED 1-3/4 ID	2	2
7	195693	DISC BLADE, 22” X 1/4” 1-3/4 ID, 3-SIDED	2	2
8	193512	GANG BAR, RCF 30'-36'	1	1
9	193513	GANG BAR, LCF 30'-36'	1	1
10	193514	GANG BAR, RCR 30'-36'	1	1
11	193515	GANG BAR, LCR 30'-36'	1	1
12	193532	GANG BAR, RWF 36'	1	1
13	193533	GANG BAR, LWF 36'	1	1
14	193534	GANG BAR, RWR 36'	1	1
15	193535	GANG BAR, LWR 36'	1	1
16	141168	SCRAPER BAR, 8-3/4 SP 7 HOLE	4	--
17	141169	SCRAPER BAR, 8-3/4 SP 8 HOLE	4	--
18	141170	SCRAPER BAR, 8-3/4 SP 9 HOLE	2	--
19	141171	SCRAPER BAR, 8-3/4 SP 10 HOLE	2	--
20	149603	SCRAPER BAR, 10-1/2” SP 6 HOLE	--	2
21	149604	SCRAPER BAR, 10-1/2 SP 7 HOLE	--	2
22	149605	SCRAPER BAR, 10-1/2 SP 8 HOLE	--	2
23	160183	SCRAPER BAR, 10-1/2 SP 5 HOLE	--	6
24	142579	SHAFT, GANG 59-1/2”	2	4
25	142580	SHAFT, GANG 68-1/2”	4	--
26	142581	SHAFT, GANG 77”	4	--
27	142582	SHAFT, GANG 86”	2	--
28	156951	SHAFT, GANG 70”	--	2
29	185724	SHAFT, GANG 80-1/2”	--	6

3 Row Coil Tine Harrow Assemblies

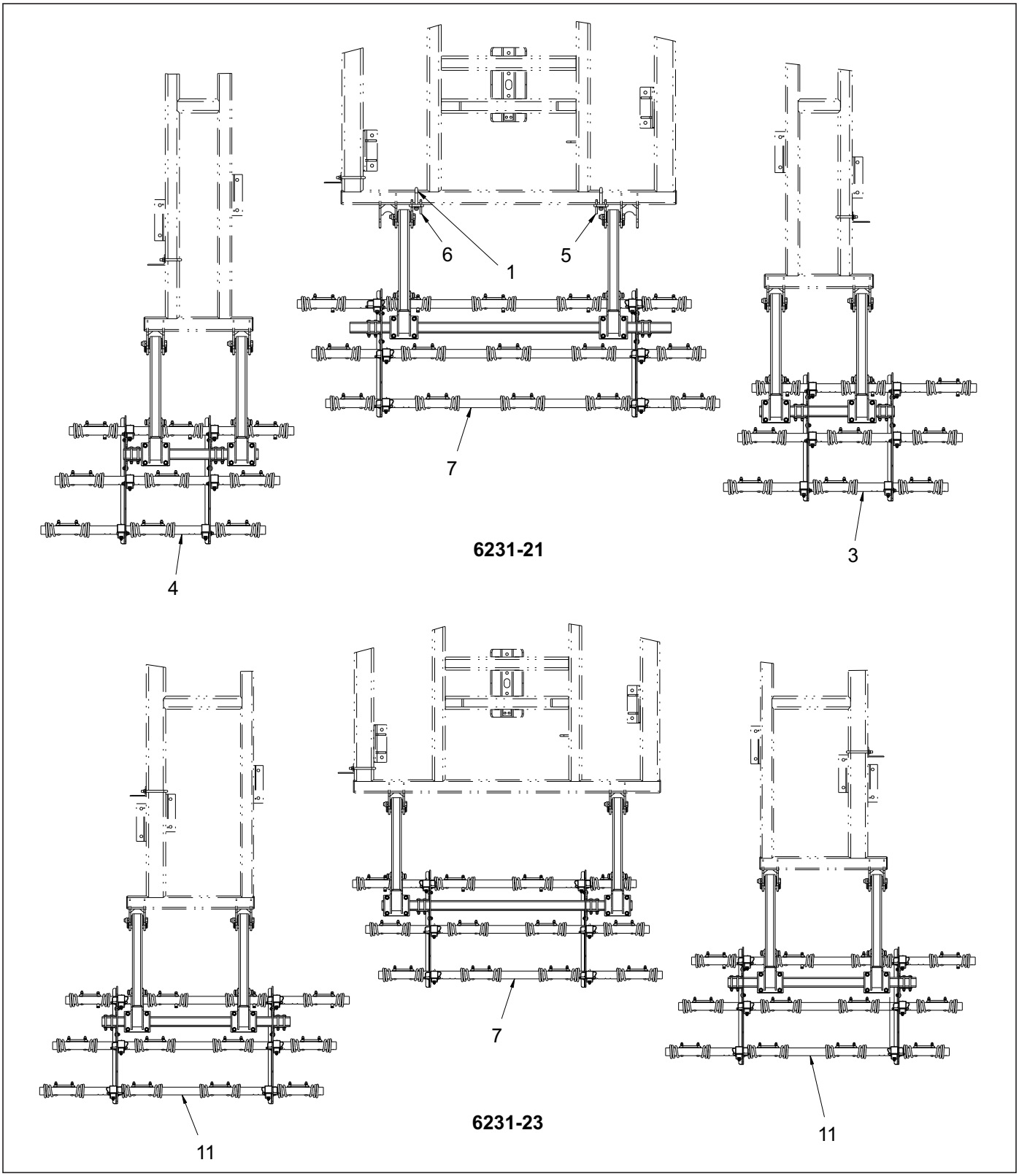
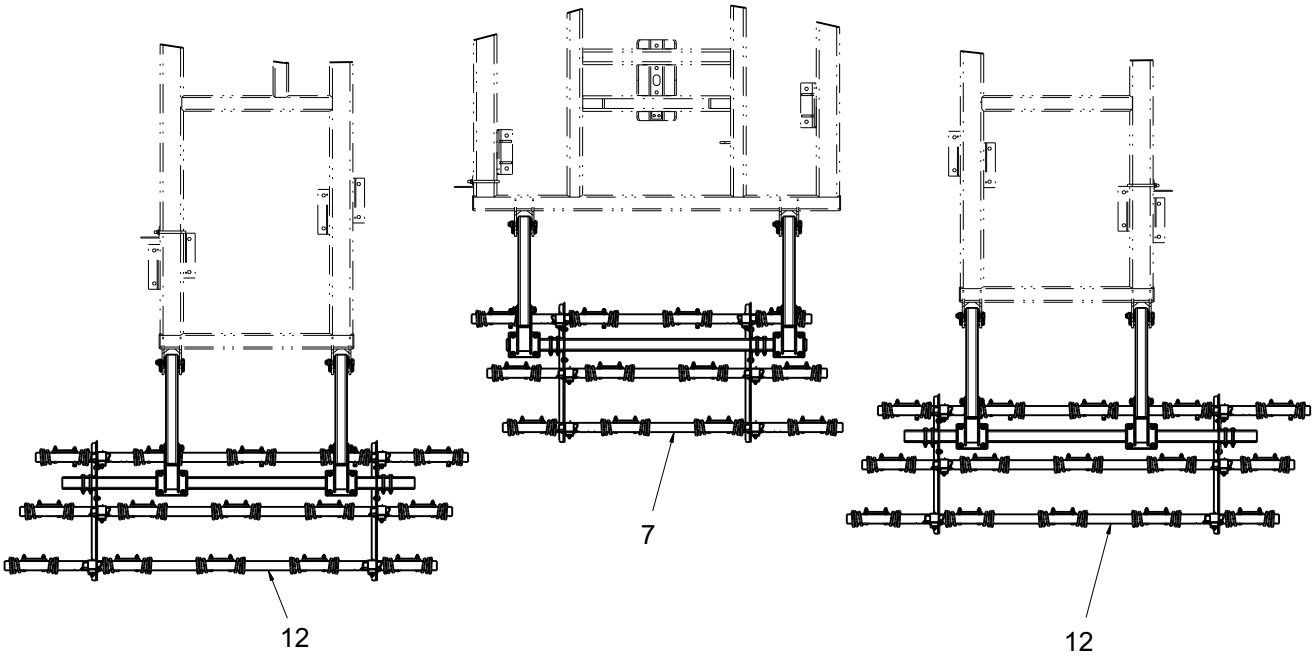
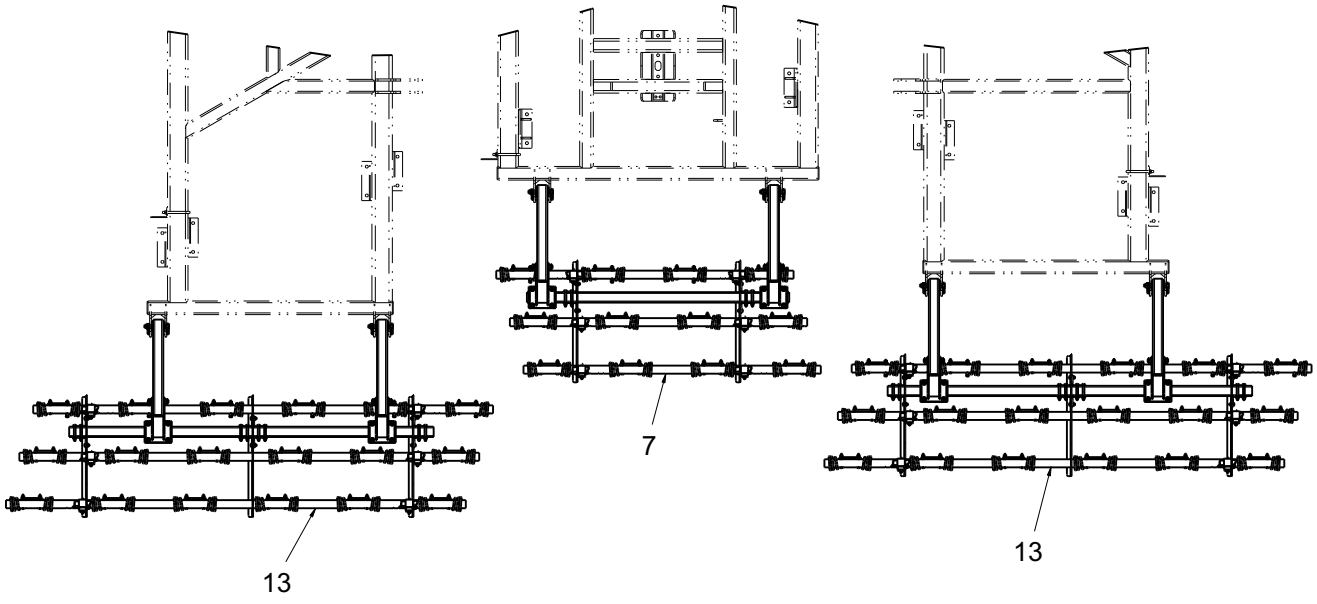


Figure 1-61: 3 Row Coil Tine Harrow Assembly - 21'-23'

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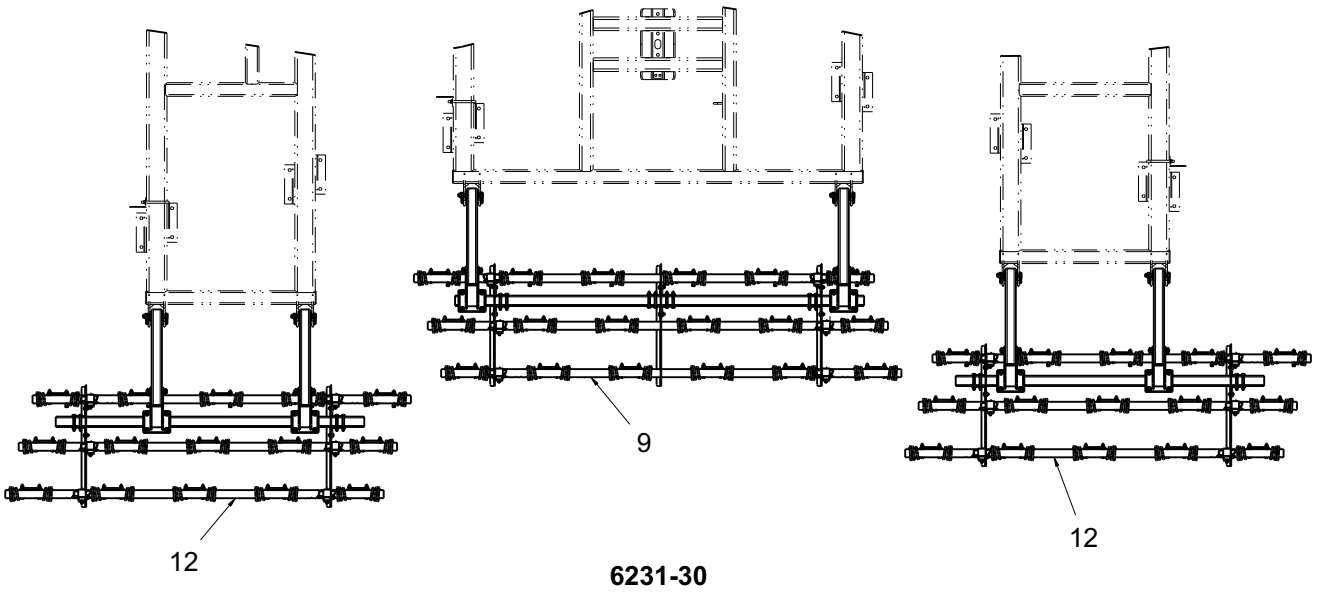


6231-26

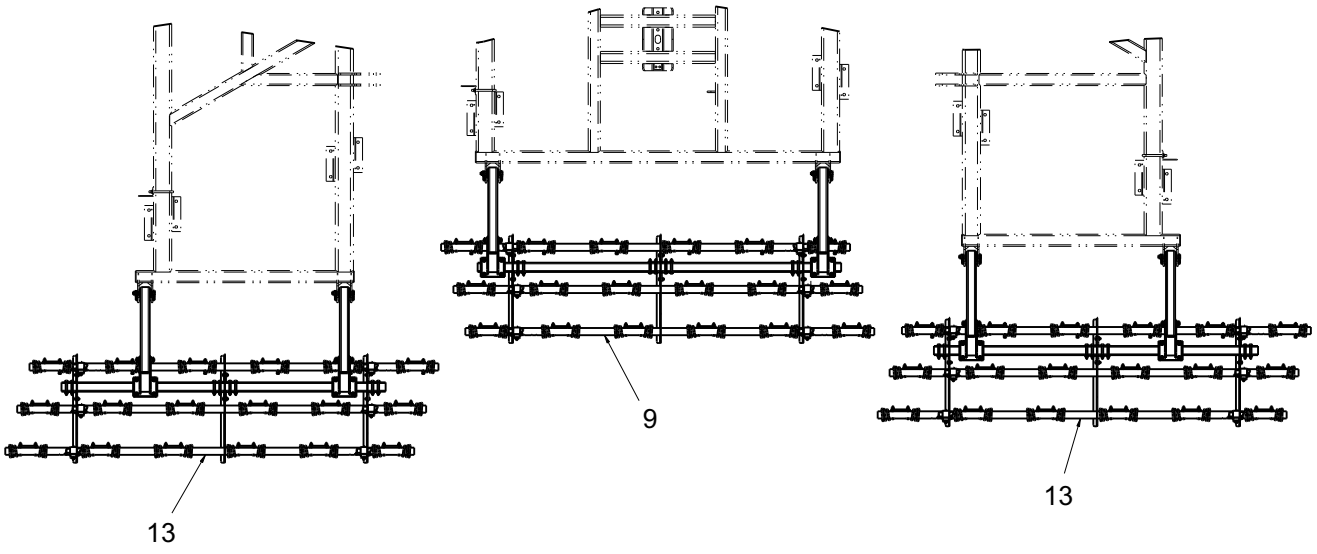


6231-29

Figure 1-62: 3 Row Coil Tine Harrow Assembly - 26'-29'



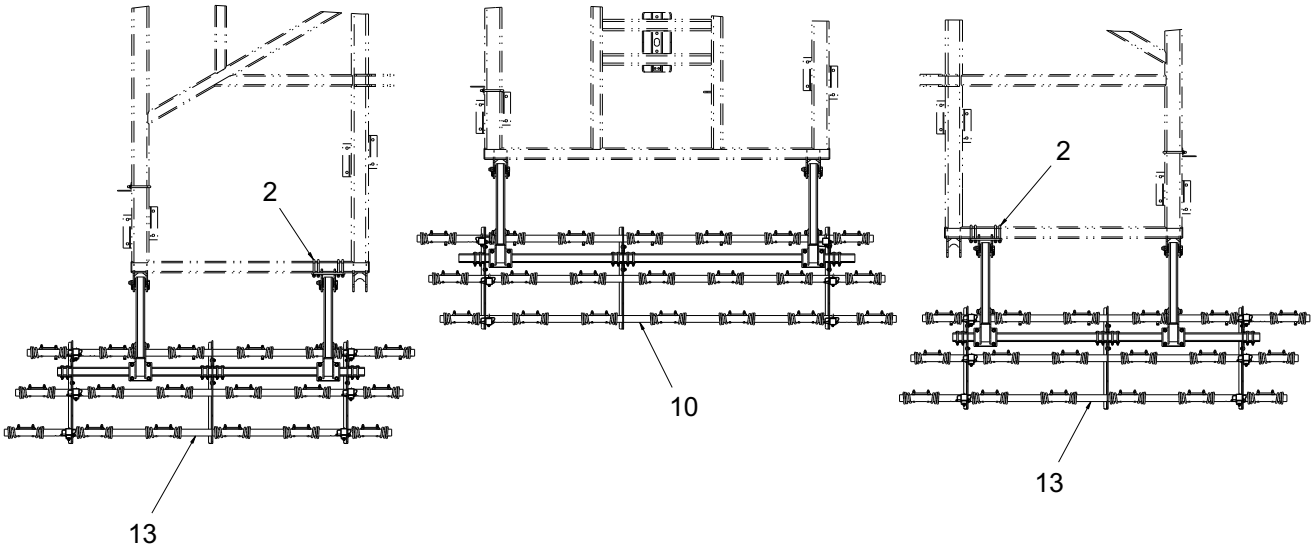
6231-30



6231-33

Figure 1-63: 3 Row Coil Tine Harrow Assembly - 30'-33'

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6231-36

Figure 1-64: 3 Row Coil Tine Harrow Assembly - 36'

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3 Row Coil Tine Harrow Assembly - 21'-36'

ITEM	PART NO.	DESCRIPTION	QTY.						
--	195615	3 ROW CT HARROW ASSEMBLY **(21')**	*						
--	195616	3 ROW CT HARROW ASSEMBLY **(23')**		*					
--	195617	3 ROW CT HARROW ASSEMBLY **(26')**			*				
--	195618	3 ROW CT HARROW ASSEMBLY **(29')**				*			
--	195619	3 ROW CT HARROW ASSEMBLY **(30')**					*		
--	195620	3 ROW CT HARROW ASSEMBLY **(33')**						*	
--	195621	3 ROW CT HARROW ASSEMBLY **(36')**							*
1	111392	U-BOLT, GAUGE WHEEL 1550	2	--	--	--	--	--	--
2	180164	ASSY, MOUNT 6" **(SEE PAGE 1-65)**	--	--	--	--	--	--	2
3	195660	3 TINE HARROW ASSEMBLY, RH	1	--	--	--	--	--	--
4	195661	3 TINE HARROW ASSEMBLY, LH	1	--	--	--	--	--	--
5	195650	MOUNT, COIL TINE RIGHT	1	--	--	--	--	--	--
6	195651	MOUNT, COIL TINE LEFT	1	--	--	--	--	--	--
7	195658	4 TINE HARROW ASSEMBLY, CENTER	--	1	1	1	--	--	--
8	157120	5 TINE HARROW ASSEMBLY, CENTER	1	--	--	--	--	--	--
9	180153	6 TINE HARROW ASSEMBLY, CENTER	--	--	--	--	1	1	--
10	157123	7 TINE HARROW ASSEMBLY, CENTER	--	--	--	--	--	--	1
11	155954	4 TINE HARROW ASSEMBLY	--	2	--	--	--	--	--
12	155998	5 TINE HARROW ASSEMBLY	--	--	2	--	2	--	--
13	155803	6 TINE HARROW ASSEMBLY	--	--	--	2	--	2	2

NOTE: FOR P/N'S 195658, 157120, 180513, & 157123 **(SEE PAGE 1-115)**
FOR P/N'S 195660, 195661, 155954, 155998, & 155803 **(SEE PAGE 1-117)**

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Table provided for general use.

NOTES:

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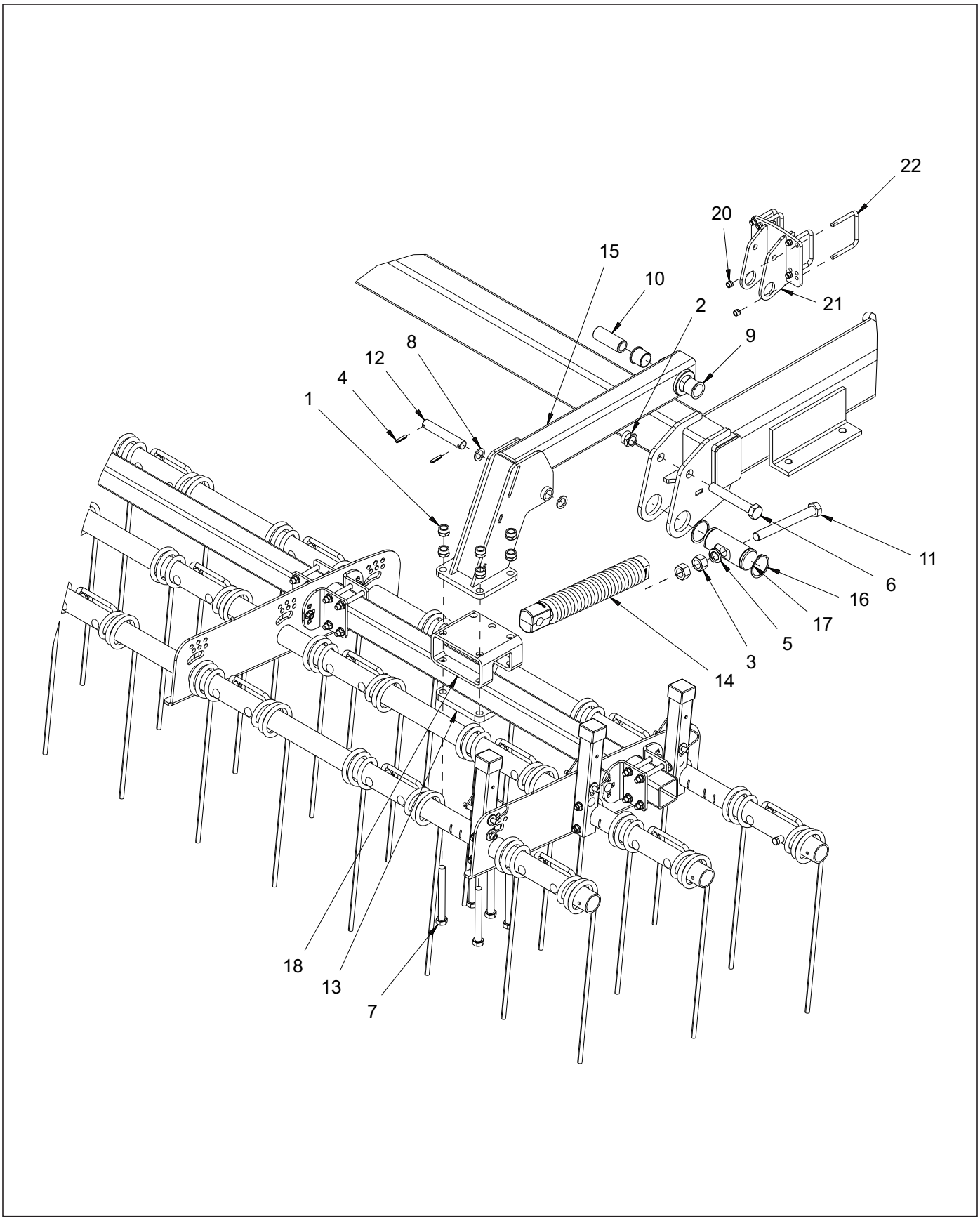


Figure 1-65: Coil Tine Harrow - General Assembly

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Coil Tine Harrow - General Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	195615*	3 ROW CT HARROW ASSEMBLY (21')	
--	195616	3 ROW CT HARROW ASSEMBLY (23')	
--	195617	3 ROW CT HARROW ASSEMBLY (26')	
--	195618	3 ROW CT HARROW ASSEMBLY (29')	
--	195619	3 ROW CT HARROW ASSEMBLY (30')	
--	195620	3 ROW CT HARROW ASSEMBLY (33')	
--	195621	3 ROW CT HARROW ASSEMBLY (36')	
1	1-512-010005-15	NUT,HEX SLFLKG, 3/4-10 UNC, GRB	*64, 60
2	1-512-010005-19	NUT,HEX SLFLKG, 1-8 UNC, GRB	6
3	1-512-010007-14	NUT,HEX 1-8 UNC, GR2	12
4	1-647-010004236	ROLL PIN, SLTD, 5/16 X 1-1/2	12
5	1-861-010034-21	WASHER,LKG, HLCL SPR 1	6
6	100829	SCREW HEX 1-8 UNC X 6-1/2 GR5	6
7	102209	SCREW,HEX 3/4-10UNC X 7 GR8	30
8	117957	MACHINERY BUSHING, ZINC PLATED	12
9	140599	BEARING, FLANGE 1-1/2	12
10	152209	BUSHING, PIVOT 1-1/2	6
11	152210	BOLT,SPRING ADJ 1 X 9	6
12	154392	PIN, PIVOT	6
13	154748P	PLATE, GANGBAR MOUNT	6
14	158795	SPRING ASSY, 17”	6
15	158847	ARM REEL	6
16	158896	SNAP RING, 2-1/2 SHAFT	12
17	158897	PIN, ADJUSTMENT W/SNAP RING	6
18	180152	TUBE, CLAMP	6
19	180164	ASSY, MOUNT 6” **(ITEMS 20-22)**	1
20	1-512-010005-13	NUT, HEX SLFLKG, 5/8-11 UNC GRB	8
21	180161	MOUNT, COIL TINE	1
22	2-102-010032	U-BOLT, CENTER SHANK MT	4

(*FIRST QUANITY IS USED ONLY WITH P/N 195615)

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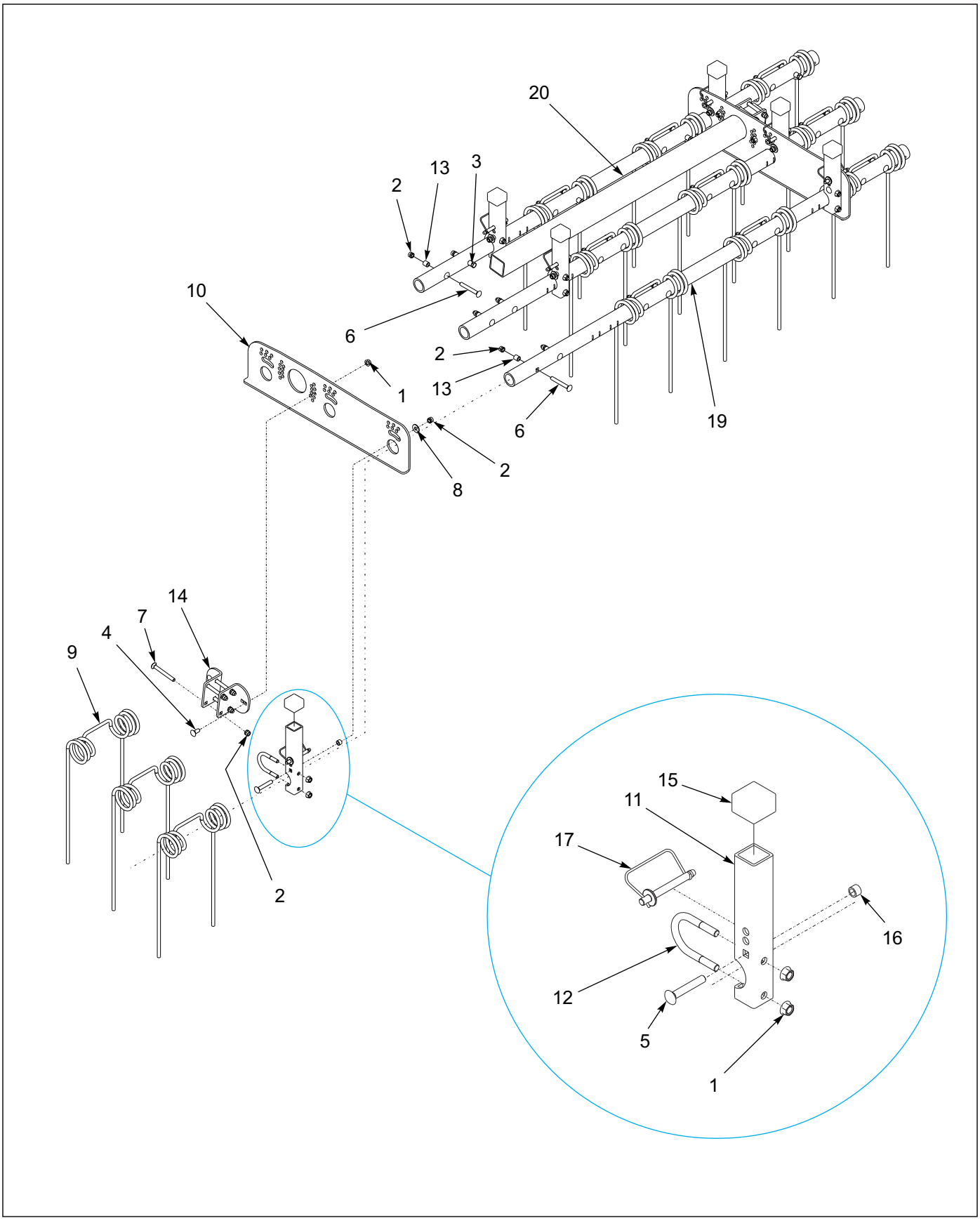


Figure 1-66: Harrow Tine Assembly - Center Frame

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Harrow Tine Assembly - Center Frame

ITEM	PART NO.	DESCRIPTION	QTY.			
--	195658	HARROW ASSY, 4 TINE	*			
--	157120	5 TINE HARROW CENTER ASSY		*		
--	180153	ASSY, 6 TINE HARROW			*	
--	157123	7 TINE HARROW CENTER ASSY				*
1	1-510-010003-09	NUT, FLANGE HD SERRATED 1/2-13	16	24	34	34
2	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	38	36	42	48
3	1-654-010055-14	SCREW, HEX HEAD CAP 1/2-13 X 4-1/2 GR5	4	5	6	7
4	1-654-010070-02	SCREW, RD HEAD SQ NECK 1/2-13 X 1-1/4	4	4	4	4
5	1-654-010070-11	SCREW, RD HEAD SQ NECK 1/2-13 X 3-1/2	6	6	6	6
6	1-654-010070-13	SCREW, RD HEAD SQ NECK 1/2-13 X 4	20	25	30	35
7	1-654-010070-14	SCREW, RD HEAD SQ NECK 1/2-13 X 4-1/2	8	8	16	16
8	1-861-010032-15	WASHER, FLAT 1/2W	6	6	6	6
9	154532	TINE, HARROW SPRING	12	15	18	21
10	154993	PLATE, GANG BAR	2	2	3	3
11	154994	TUBE, ANGLE ADJUST	6	6	6	6
12	154995	U-BOLT, 1/2	6	6	6	6
13	154997	BUSHING, TINE RETAINER	28	35	42	49
14	154998	PLATE, ANGLE ADJUSTMENT	4	4	8	8
15	155927	CAP, TUBE 1.95 X 1.5	6	6	6	6
16	155956	BUSHING, ANGLE ADJUSTMENT	6	6	6	6
17	155971	PIN, SPRING CLIP	6	6	6	6
18	1-654-010070-03	SCREW, RD HEAD SQ 1/2-13 X 1-1/2 **(NOT SHOWN) (USED W/ CENTER GANG BAR PLATES)**	--	--	2	2
19	195243	GANG BAR, 4 TINE 87-1/4”	3	--	--	--
19	195244	GANG BAR, 5 TINE 111”	--	3	--	--
19	195274	GANG BAR, 6 TINE 135”	--	--	3	--
19	195282	GANG BAR, 7 TINE 159"	--	--	--	3
20	180156	TUBE, RIDE BAR 78”	1	--	--	--
20	156778	TUBE, RIDE BAR 90.5”	--	1	--	--
20	180155	TUBE, RIDE BAR 120"	--	--	1	--
20	156779	TUBE, RIDE BAR 138"	--	--	--	1

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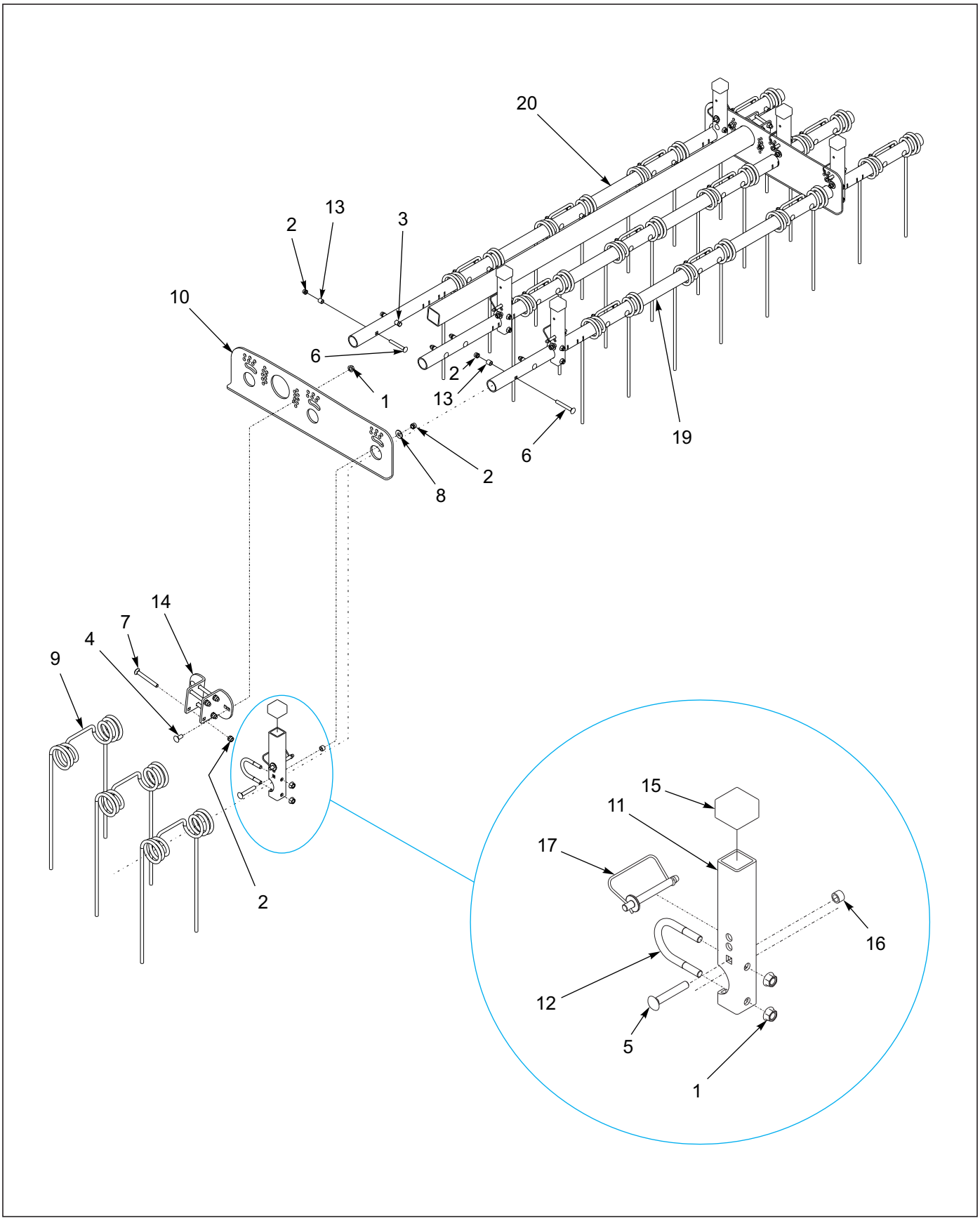


Figure 1-67: Harrow Assembly - Wing

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Harrow Assembly - Wing

ITEM	PART NO.	DESCRIPTION	QTY.				
--	195660	HARROW ASSY, 3 TINE RH	*				
--	195661	HARROW ASSY, 3 TINE LH		*			
--	155954	HARROW ASSY 4 TINE			*		
--	155998	HARROW 5 TINE SECTION				*	
--	155803	HARROW ASSY 6 TINE					*
1	1-510-010003-09	NUT, FLANGE HD SERRATED 1/2-13	16	16	16	24	34
2	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	32	32	38	36	42
3	1-654-010055-14	SCREW, HEX HEAD CAP 1/2-13 X 4-1/2 GR5	3	3	4	5	6
4	1-654-010070-02	SCREW, RD HEAD SQ NECK 1/2-13 X 1-1/4	4	4	4	4	4
5	1-654-010070-11	SCREW, RD HEAD SQ NECK 1/2-13 X 3-1/2	6	6	6	6	6
6	1-654-010070-13	SCREW, RD HEAD SQ NECK 1/2-13 X 4	15	15	20	25	30
7	1-654-010070-14	SCREW, RD HEAD SQ NECK 1/2-13 X 4-1/2	8	8	8	8	16
8	1-861-010032-15	WASHER, FLAT 1/2W	6	6	6	6	6
9	154532	TINE, HARROW SPRING	9	9	12	15	18
10	154993	PLATE, GANG BAR	2	2	2	2	3
11	154994	TUBE, ANGLE ADJUST	6	6	6	6	6
12	154995	U-BOLT, 1/2	6	6	6	6	6
13	154997	BUSHING, TINE RETAINER	21	21	28	35	42
14	154998	PLATE, ANGLE ADJUSTMENT	4	4	4	4	8
15	155927	CAP, TUBE 1.95 X 1.5	6	6	6	6	6
16	155956	BUSHING, ANGLE ADJUSTMENT	6	6	6	6	6
17	155971	PIN, SPRING CLIP	6	6	6	6	6
18	1-654-010070-03	SCREW, RD HEAD SQ 1/2-13 X 1-1/2 (NOT SHOWN) (USED W/ CENTER GANG BAR PLATES)	--	--	--	2	2
19	195241	GANG BAR, 3 TINE 63-1/4”	3	3	--	--	--
19	195243	GANG BAR, 4 TINE 87-1/4”	--	--	3	--	--
19	195244	GANG BAR, 5 TINE 111”	--	--	--	3	--
19	195274	GANG BAR, 6 TINE 135”	--	--	--	--	3
19	195282	GANG BAR, 7 TINE 159"	--	--	--	--	--
20	156776	TUBE, RIDE BAR 38”	1	1	--	--	--
20	156777	TUBE, RIDE BAR 57.875”	--	--	1	--	--
20	156778	TUBE, RIDE BAR 90.5”	--	--	--	1	--
20	155005	TUBE, SQUARE 3 X 3/16 X 107	--	--	--	--	1

Conditioner Reel Assemblies

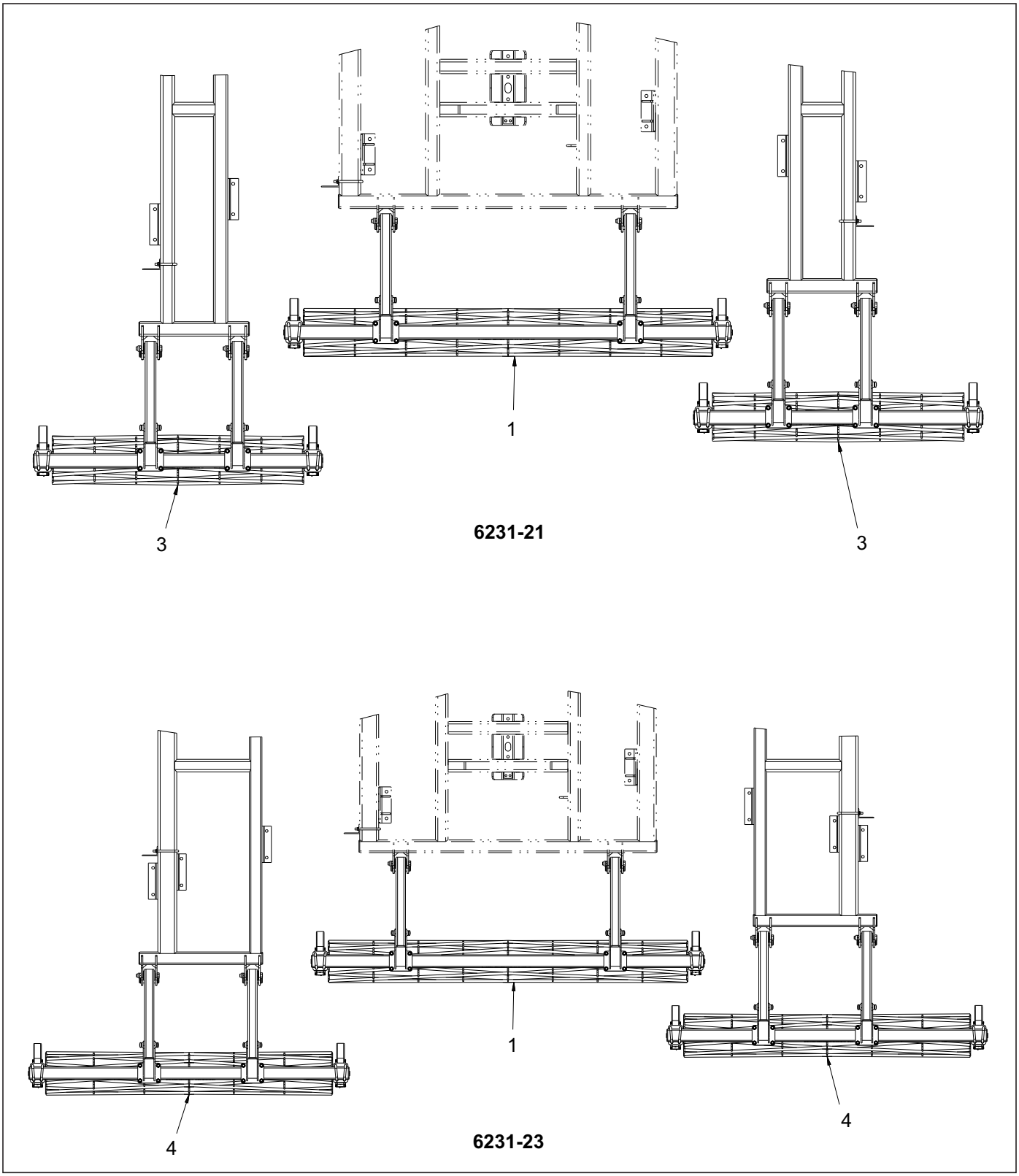
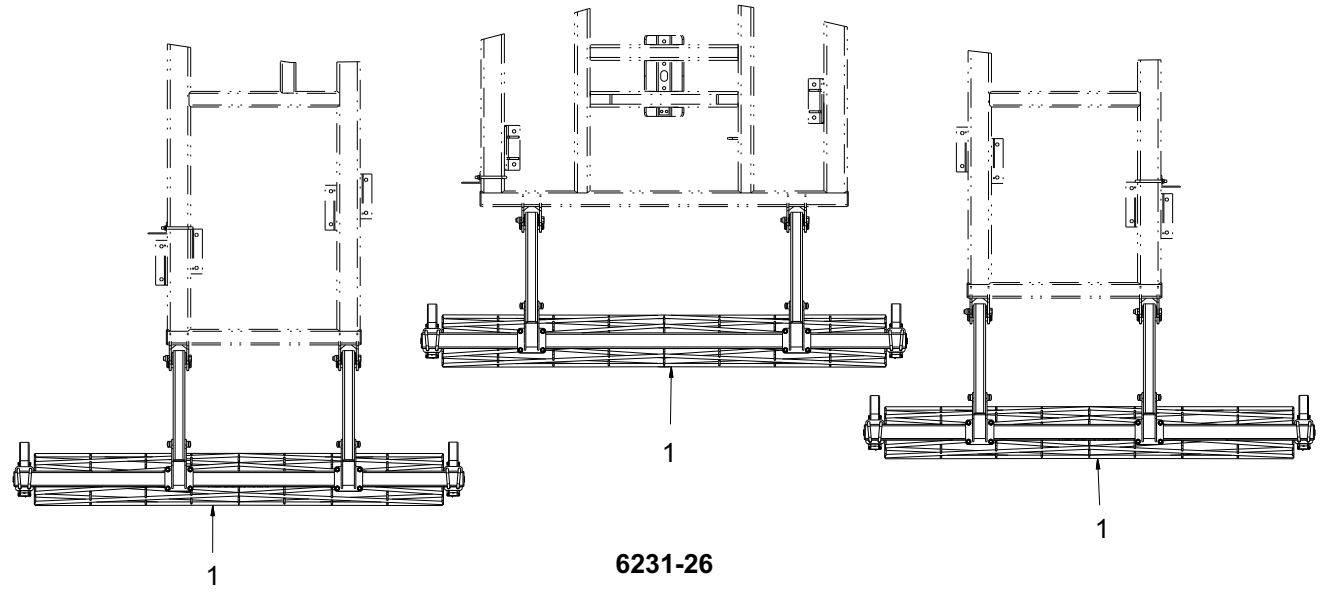
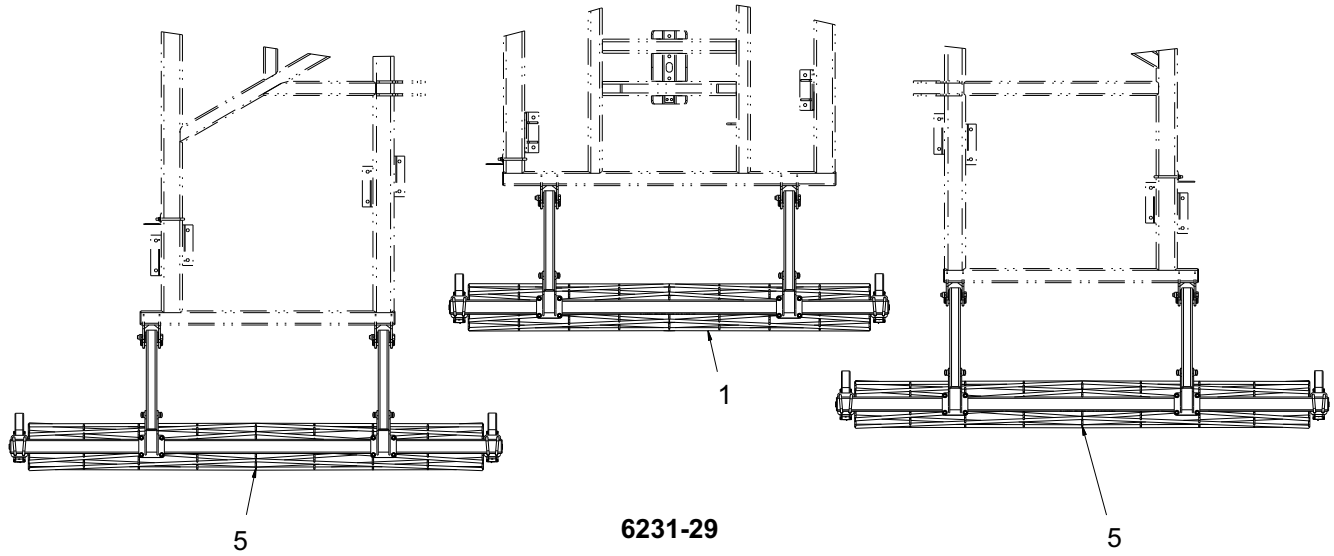


Figure 1-68: Conditioner Reel Assembly - 21' & 23'

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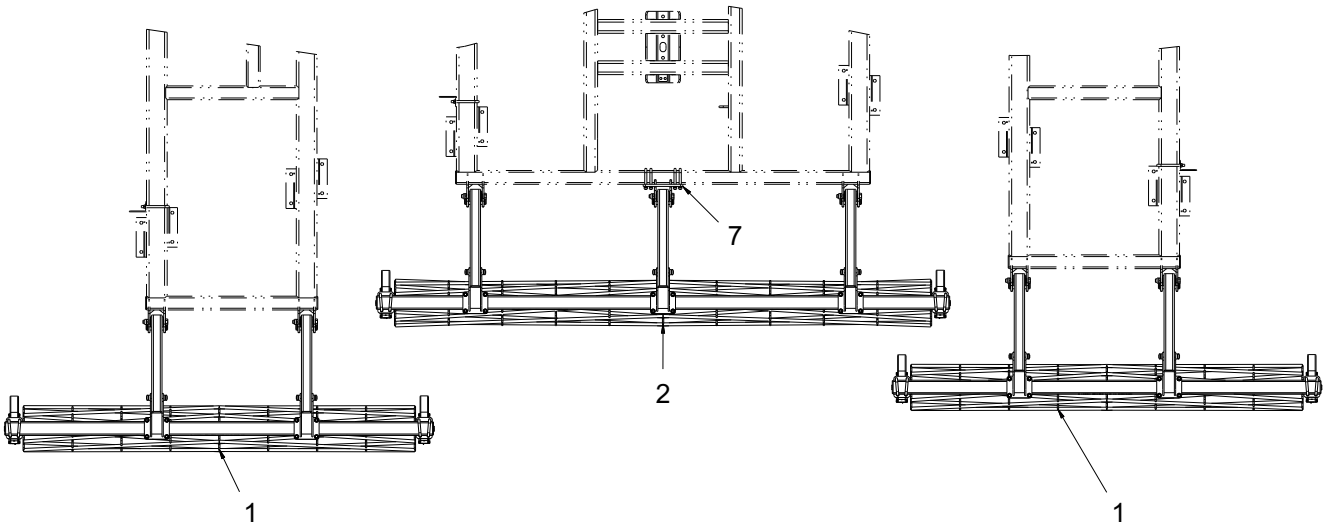


6231-26

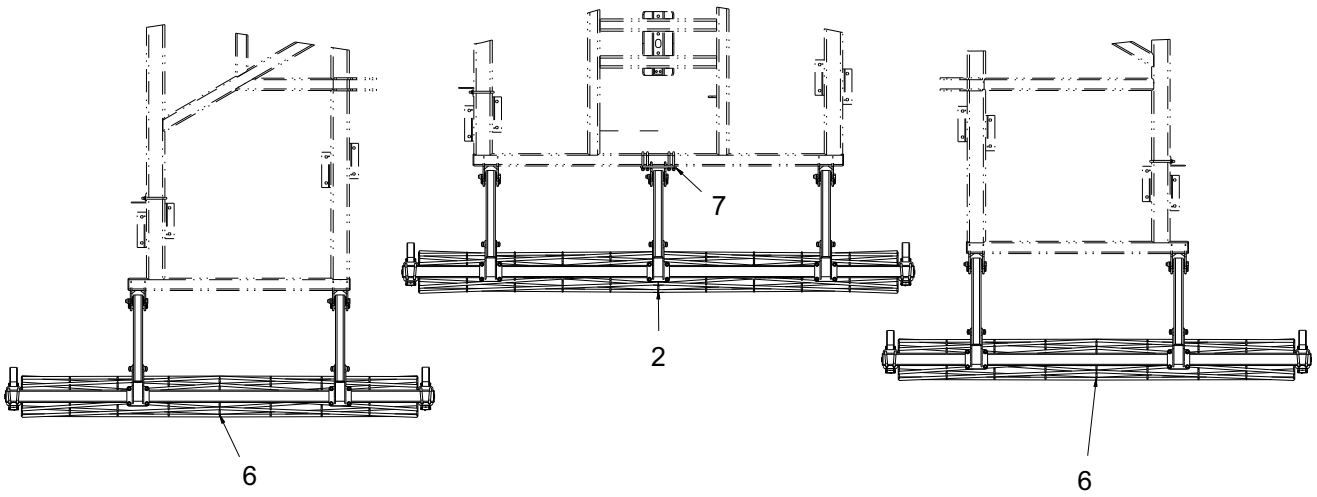


6231-29

Figure 1-69: Conditioner Reel Assembly - 26' & 29'



6231-30



6231-33

Figure 1-70: Conditioner Reel Assembly - 30' & 33'

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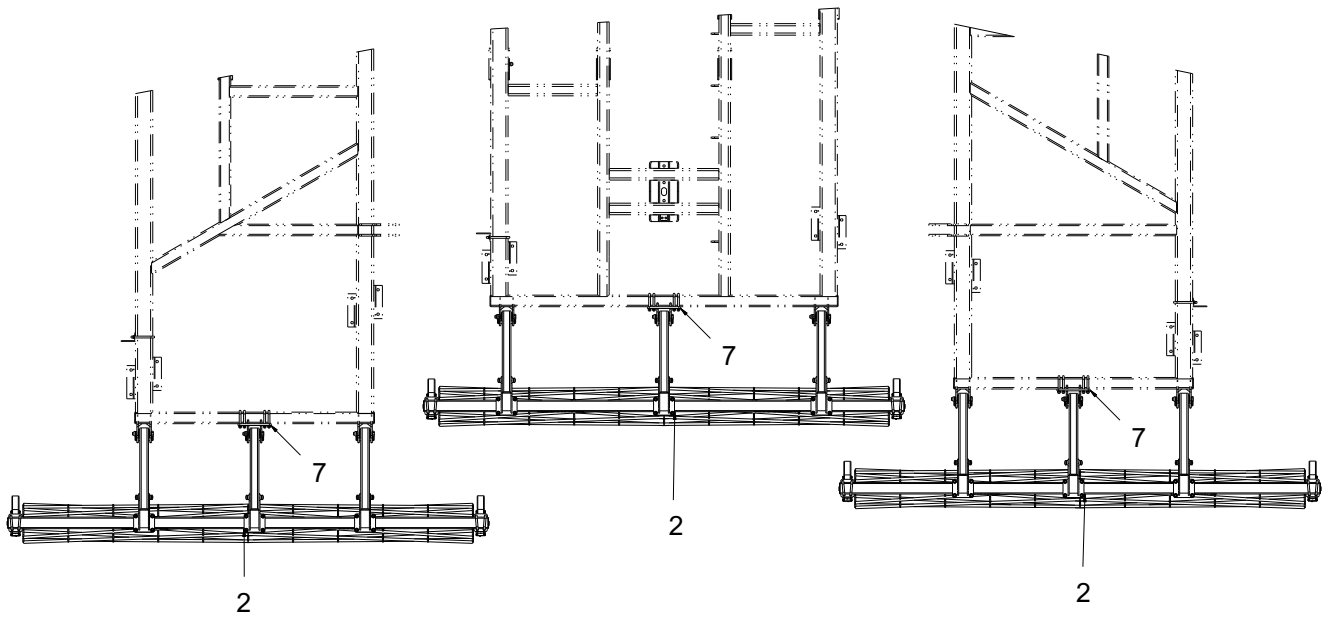


Figure 1-71: Conditioner Reel Assembly - 36'

Conditioner Reel Assembly - 21'-36'

ITEM	PART NO.	DESCRIPTION	QTY.						
--	193590	CONDITIONER REEL, 6231-21	*						
--	193591	CONDITIONER REEL, 6231-23		*					
--	193592	CONDITIONER REEL, 6231-26			*				
--	193593	CONDITIONER REEL, 6231-29				*			
--	193594	CONDITIONER REEL, 6231-30					*		
--	193595	CONDITIONER REEL, 6231-33						*	
--	193596	CONDITIONER REEL, 6231-36							*
1	154687	COND-REEL/GANGBAR ASSY 114"	1	1	3	1	2	--	--
2	165127	COND-REEL/GANGBAR ASSY 156"	--	--	--	--	1	1	3
3	154684	COND-REEL/GANGBAR ASSY 82"	2	--	--	--	--	--	--
4	154686	COND-REEL/GANGBAR ASSY 91"	--	2	--	--	--	--	--
5	156125	COND-REEL/GANGBAR ASSY 129"	--	--	--	2	--	--	--
6	201765	COND-REEL/GANGBAR ASSY 138”	--	--	--	--	--	2	--
7	180164	ASSY, MOUNT-6	--	--	--	--	1	1	3

(NOTE: FOR P/N’S 154687, 165127, 154684, 154686, 156125, & 201765 SEE PAGE 1-127)

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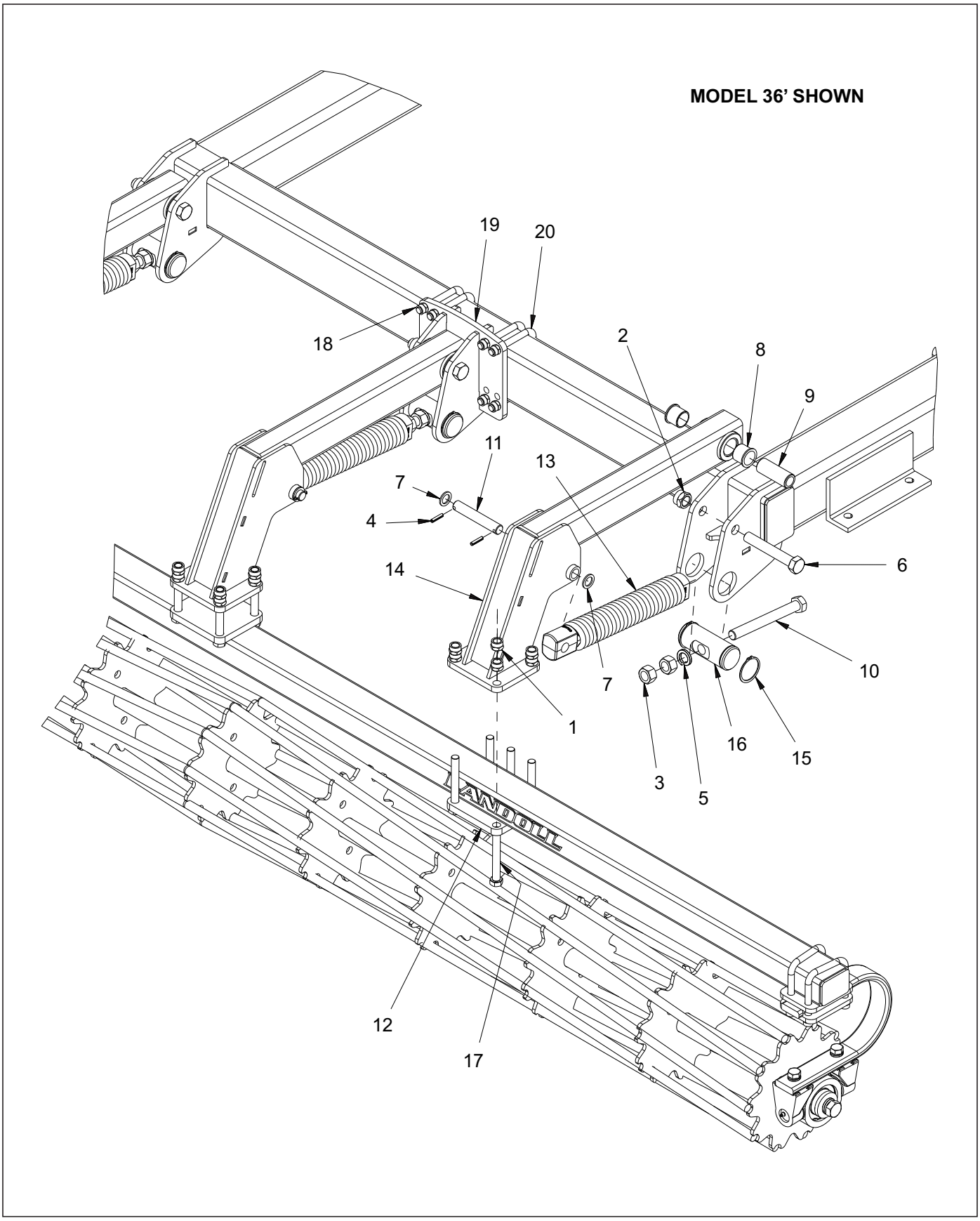


Figure 1-72: Conditioner Reel - General Assembly

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Conditioner Reel - General Assembly

ITEM	PART NO.	DESCRIPTION	QTY.	
--	193590	CONDITIONER REEL, 6231-21	*	
--	193591	CONDITIONER REEL, 6231-23	*	
--	193592	CONDITIONER REEL, 6231-26	*	
--	193593	CONDITIONER REEL, 6231-29	*	
--	193594	CONDITIONER REEL, 6231-30		*
--	193595	CONDITIONER REEL, 6231-33		*
--	193596	CONDITIONER REEL, 6231-36		*
1	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	60	70
2	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	6	7
3	1-512-010007-14	NUT, HEX 1-8 GR2 ZP	12	14
4	1-647-010004236	SPRING PIN,SLOTTED 5/16X1-1/2	12	14
5	1-861-010034-21	WASHER, LKG HEL SPRG 1IN	6	7
6	100829	SCREW,HEX CAP,1-8X6-1/2,GR5	6	7
7	117957	MACHINERY BUSHING,ZINC PLATED	12	14
8	140599	BEARING, FLANGE 1-1/2	12	14
9	152209	BUSHING, PIVOT 1-1/2	6	7
10	152210	BOLT, ADJ, 1 X 9	6	7
11	154392	PIN,PIVOT	6	7
12	154748P	PLATE, GANGBAR MOUNT	6	7
13	158795	SPRING ASSY, 17	6	7
14	158847	ARM, REEL	6	7
15	158896	SNAP RING, 2-1/2 SHAFT	12	14
16	158897	PIN, ADJUSTMENT W/SNAP RING	6	7
17	172884	SCREW HX CP,3/4-10X6 GR8ZP	30	35
18	1-512-010005-13	NUT, HEX SLFLKG, 5/8-11 UNC GRB	8	8
19	180161	MOUNT, COIL TINE	1	1
20	2-102-010032	U-BOLT, CENTER SHANK MT	4	4

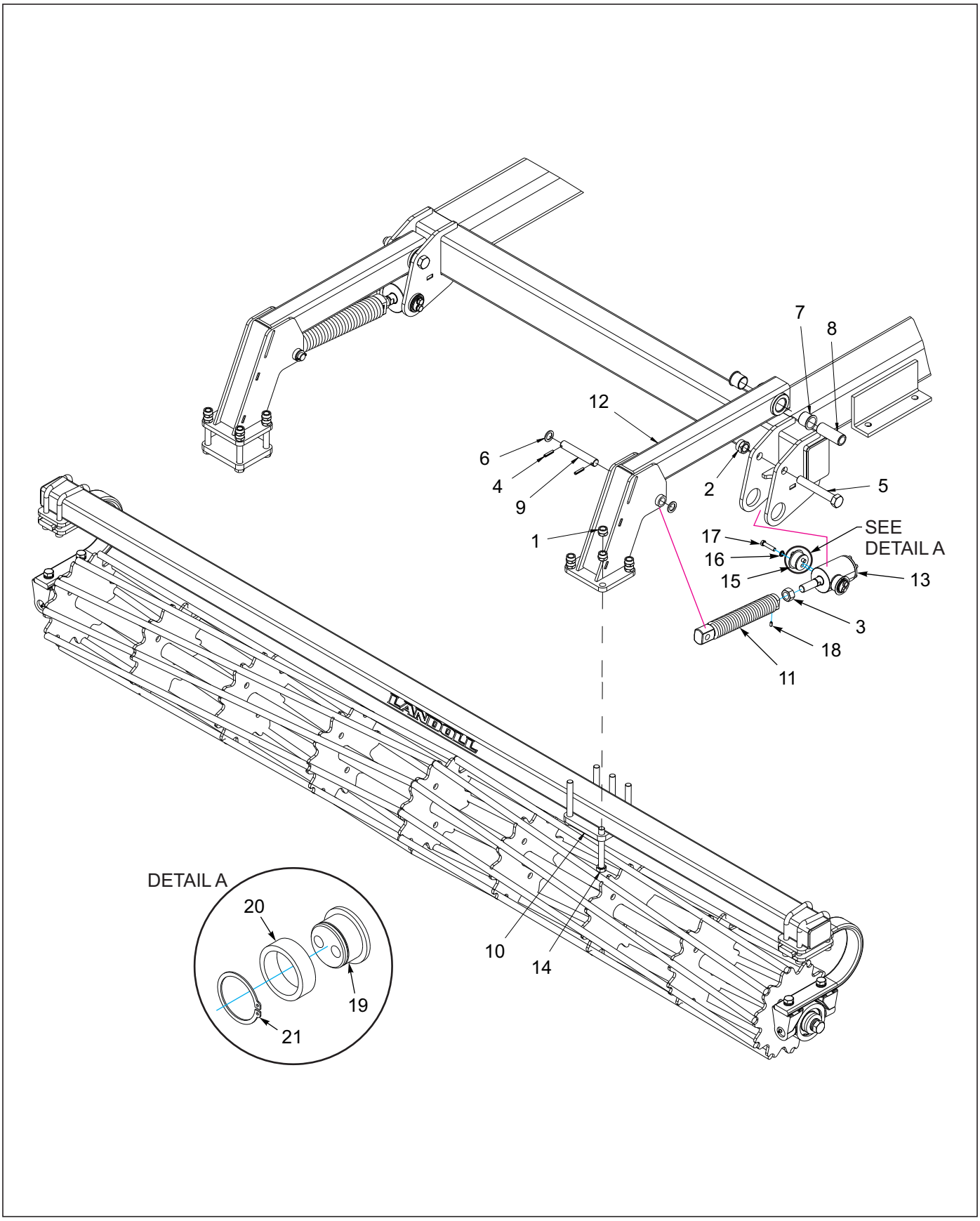


Figure 1-73: Hydraulic Conditioner Reel - General Assembly

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Hydraulic Conditioner Reel - General Assembly

ITEM	PART NO.	DESCRIPTION	QTY.	
--	194652	HYD COND REEL ASSY 6231-21	*	
--	194653	HYD COND REEL ASSY 6231-23	*	
--	194654	HYD COND REEL ASSY 6231-26	*	
--	194655	HYD COND REEL ASSY 6231-29	*	
--	194656	HYD COND REEL ASSY 6231-30		*
--	194657	HYD COND REEL ASSY 6231-33		*
--	194658	HYD COND REEL ASSY 6231-36		*
1	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	60	70
2	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	6	7
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	12	14
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	12	14
4	1-647-010004236	SPRING PIN,SLOTTED 5/16X1-1/2	12	14
5	100829	SCREW,HEX CAP,1-8X6-1/2,GR5	6	7
6	117957	MACHINERY BUSHING,ZINC PLATED	12	14
7	140599	BEARING, FLANGE 1-1/2	12	14
8	152209	BUSHING, PIVOT 1-1/2	6	7
9	154392	PIN,PIVOT	6	7
10	154748P	PLATE, GANGBAR MOUNT	6	7
11	158795	SPRING ASSEMBLY, 17” **(BEFORE 6-8-2017)**	6	7
11	206652	SPRING ASSY 17" 1-1/8 THD **(AFTER 6-8-2017)**	6	7
12	158847	ARM, REEL	6	7
13	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017) (SEE PAGE 1-154)**	6	7
13	206671	CYLINDER, 2-1/2” X 2-1/2” ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6	7
14	172884	SCREW HX CP,3/4-10X6 GR8ZP	30	35
15	198320	ASSY, TRUNION MOUNT 1-1/4” **(AFTER 2-21-2016) (INCLUDES ITEMS 19-21)**	2	2
16	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2	2
17	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	2	2
18	1P444	SET SCREW, 3/8-16 X 3/4 NYLON **(AFTER 6-8-2017)**	6	7
19	191924	TRUNION, CYLINDER	1	1
20	191925	TRUNION, BEARING	1	1
21	188530	SNAP RING, 2 SHAFT	1	1

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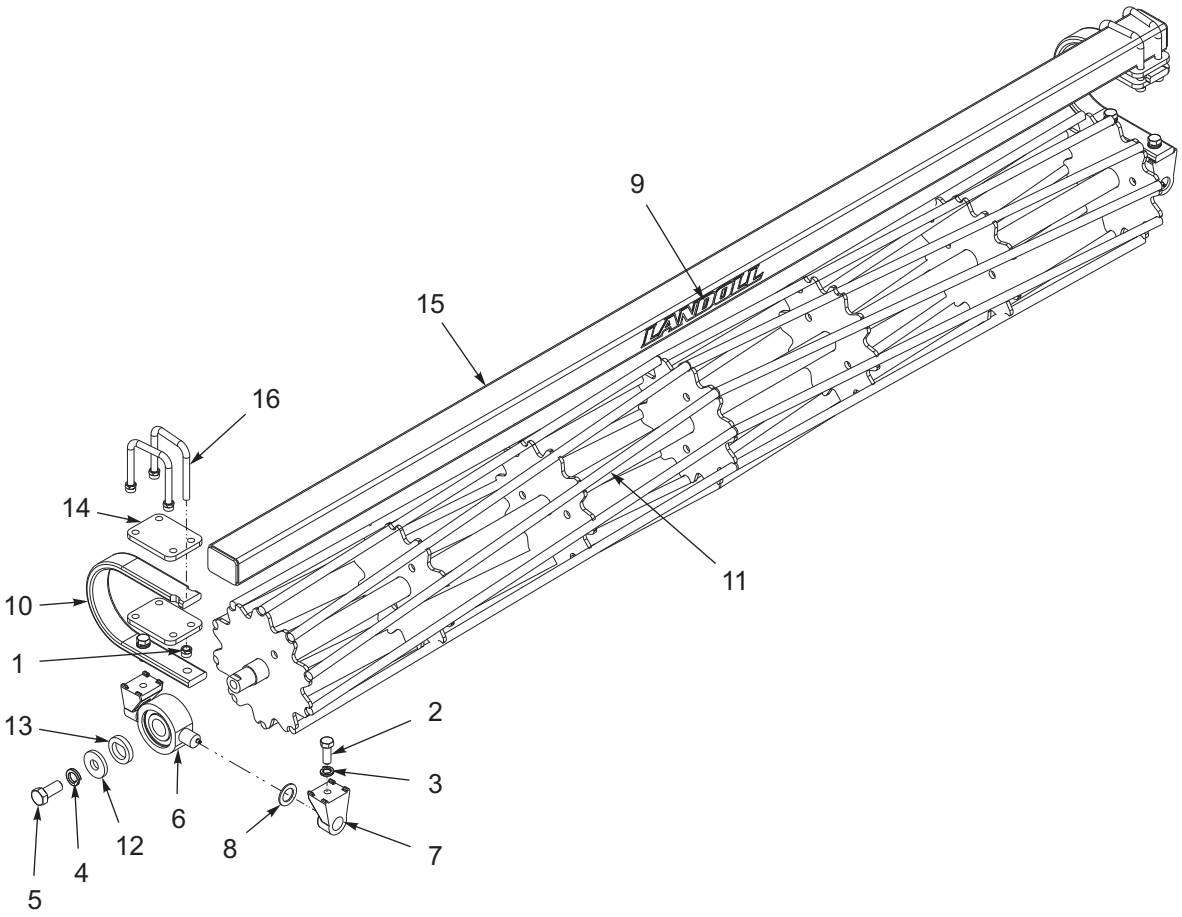


Figure 1-74: Conditioner Reel/Gangbar Assembly

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Conditioner Reel/Gangbar Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	154687	CONDITIONER REEL/GANGBAR ASSY, 114"	
--	165127	CONDITIONER REEL/GANGBAR ASSY, 156"	
--	171036	CONDITIONER REEL/GANGBAR ASSY, 70"	
--	201765	COND-REEL/GANGBAR ASSY 138"	
--	154686	CONDITIONER REEL/GANGBAR ASSY, 91"	
--	156125	CONDITIONER REEL/GANGBAR ASSY, 129"	
1	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	8
2	1-654-010032-05	SCREW, HEX HEAD CAP 3/4-10 X 2 GR8	4
3	1-861-010034-17	WASHER, SPLIT LOCK 3/4	4
4	1-861-010034-21	WASHER, SPLIT LOCK 1"	2
5	137943	SCREW, HEX HEAD CAP 1-8 X 2-1/4 GR5	2
6	140477	BEARING, DISC 1.775 ID ASSEMBLY	2
7	140479	MOUNT, TRUNNION BEARING	4
8	140480	WASHER, TRUNNION	2
9	148337	ATTACHMENT DECAL, LANDOLL	1
10	153716	SHANK, STRAIGHT 3/4 X 2-1/2	2
11	154692	CONDITIONER REEL, 114" **(USED W/ 154687)**	1
11	164378	CONDITIONER REEL, 156" **(USED W/ 165127)**	1
11	171037	CONDITIONER REEL, 70" **(USED W/ 171036)**	1
11	201766	CONDITIONER REEL WLDMT 138" **(USED W/ 201765)**	1
11	154691	CONDITIONER REEL, 91" **(USED W/ 154686)**	1
11	156124	CONDITIONER REEL, 129" **(USED W/ 156125)**	1
12	154185	WASHER, 3/8 THICK	2
13	154186	WASHER, FLAT TOP	2
14	154393	PLATE, SHANK MOUNT	4
15	165226	GANG BAR, 166" REEL 156" **(USED W/ 165127)**	1
15	171039	GANG BAR, 80" REEL 70" **(USED W/ 171036)**	1
15	154659	GANG BAR, 124" REEL 114" **(USED W/ 154687)**	1
15	201768	GANGBAR WLDMT, 148"-REEL-138" **(USED W/ 201765)**	1
15	155594	GANG BAR, 139" REEL 129" **(USED W/ 156125)**	1
15	154658	GANG BAR, 101" REEL 91" **(USED W/ 154686)**	1
16	6-102-010009	U-BOLT	4

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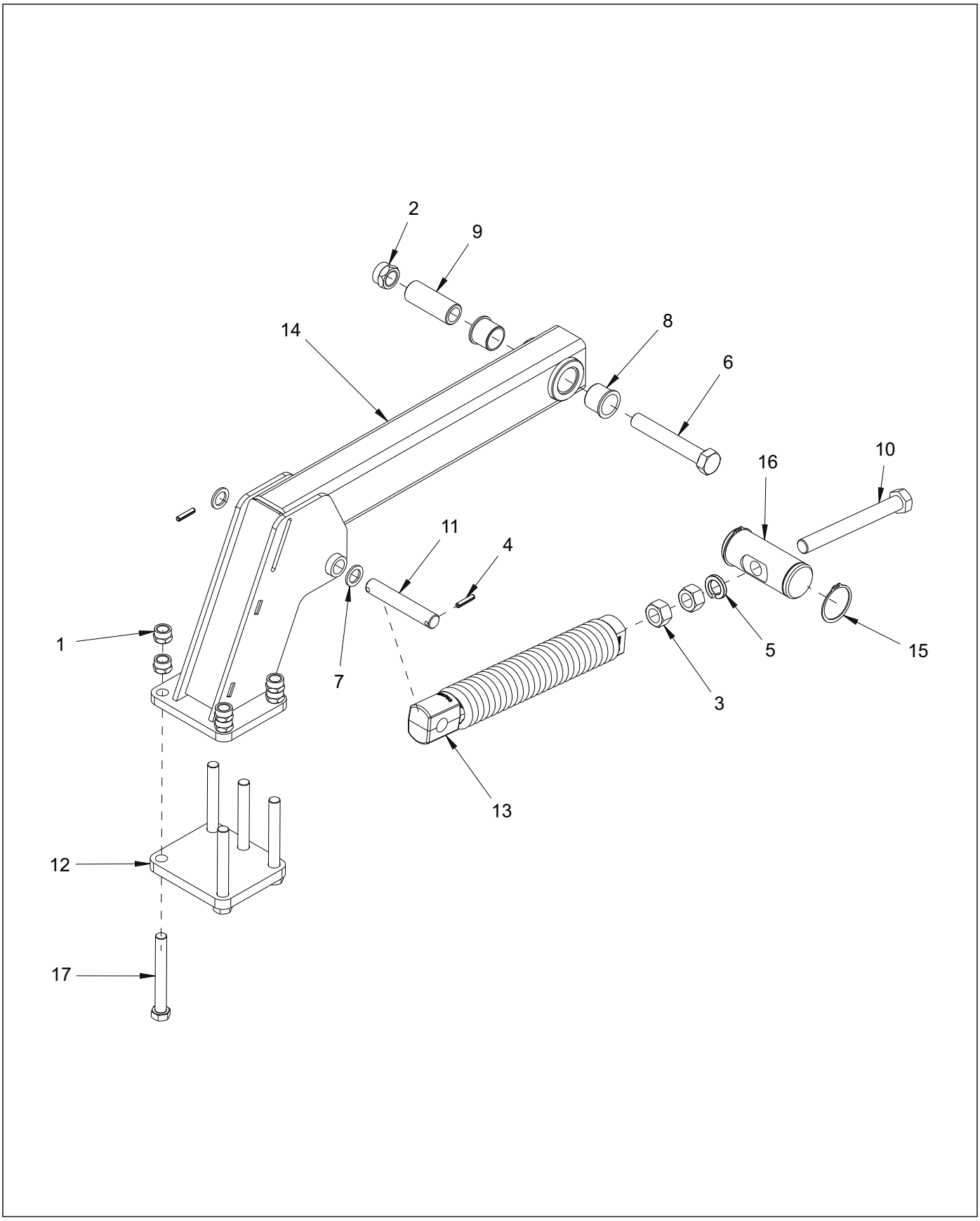


Figure 1-75: Reel Arm Assembly

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Real Arm Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	10
2	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	1
3	1-512-010007-14	NUT, HEX 1-8 GR2 ZP	2
4	1-647-010004236	SPRING PIN,SLOTTED 5/16X1-1/2	2
5	1-861-010034-21	WASHER, LKG HEL SPRG 1IN	1
6	100829	SCREW,HEX CAP,1-8X6-1/2,GR5	1
7	117957	MACHINERY BUSHING,ZINC PLATED	2
8	140599	BEARING, FLANGE 1-1/2	2
9	152209	BUSHING, PIVOT 1-1/2	1
10	152210	BOLT, ADJ, 1 X 9	1
11	154392	PIN,PIVOT	1
12	154748P	PLATE, GANGBAR MOUNT	1
13	158795	SPRING ASSY, 17"	1
14	158847	ARM, REEL	1
15	158896	SNAP RING, 2-1/2 SHAFT	2
16	158897	PIN, ADJUSTMENT W/SNAP RING	1
17	172884	SCREW HX CP,3/4-10X6 GR8ZP	5

Reel Hydraulic Assembly

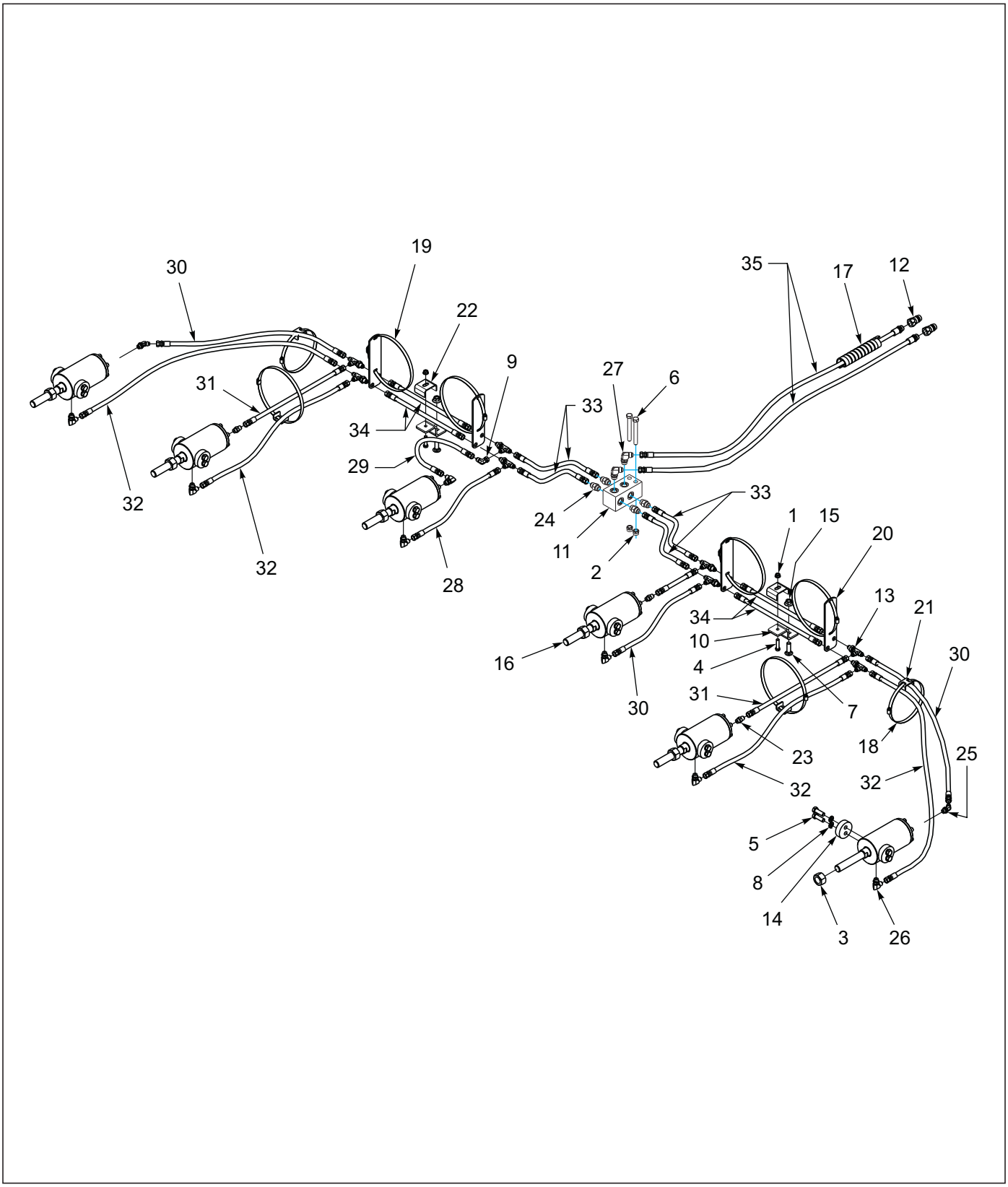


Figure 1-76: Reel Hydraulic Assembly - 21'

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Reel Hydraulic Assembly - 21'

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-510-010001	NUT, 3/8-16 FLANGE LOCK	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	6
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	6
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2	24
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	2
7	1-654-010070-04	SCREW RDHD SQNK 1/2-13X1-3/4	2
8	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	24
9	102-0031	ADAPTER,90 JIC SWIVEL #6	1
10	141275	BRACKET, HOSE CLAMP	2
11	2-474-010022	MANIFOLD HYDRAULIC, 6 HOSE **(8 PORT)**	1
12	141828	COUPLER,MALE 3/4-16 O-RING	2
13	162569	TEE,#6 JIC BULKHD RUN, W/NUT	8
14	198320	ASSY, TRUNION MOUNT 1-1/4”	12
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017)(SEE PAGE 1-154)**	6
16	206671	CYLINDER, 2-1/2” X 2-1/2” ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6
17	172973	HOSE WRAP, RED	1
18	172976	CLAMP, HOSE 4-1/2 - 6-1/2 #096	2
19	172977	CLAMP, HOSE 2-1/2 - 8-1/2 #128	6
20	172992	PLATE, BULKHEAD	4
21	174784	CLAMP HOSE	4
22	2-181-010001	HOSE CLAMP	2
23	202702-6-6S	ADAPTER, STR,#6 SAEX#6 JIC	3
24	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	4
25	2061-6-6S	ADAPTER, 45, #6 O-RING-TUBE	2
26	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	7
27	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
28	7779-14	HOSE ASSY, 1/4 X 14”, #6 JIC, FEMALE	1
29	195665	HOSE ASSY, 1/4 X 20”, #6 JIC, FEMALE	2
30	176929	HOSE ASSY, 1/4 X 24”, #6 JIC, FEMALE	3
31	195666	HOSE ASSY, 1/4 X 26”, #6 JIC, FEMALE	2
32	195667	HOSE ASSY, 1/4 X 32”, #6 JIC, FEMALE	4
33	172999	HOSE ASSY, 1/4 X 42”, #6 JIC, FEMALE	4
34	71500165	HOSE ASSY, 1/4 X 46”, #6 JIC, FEMALE	4
35	172972	HOSE ASSY, 3/8 X 330”, #8 JIC, SWVL	2
36	199315	HYD REEL KIT, 6231-21 **(NOT SHOWN) (ITEMS 1-35)**	1

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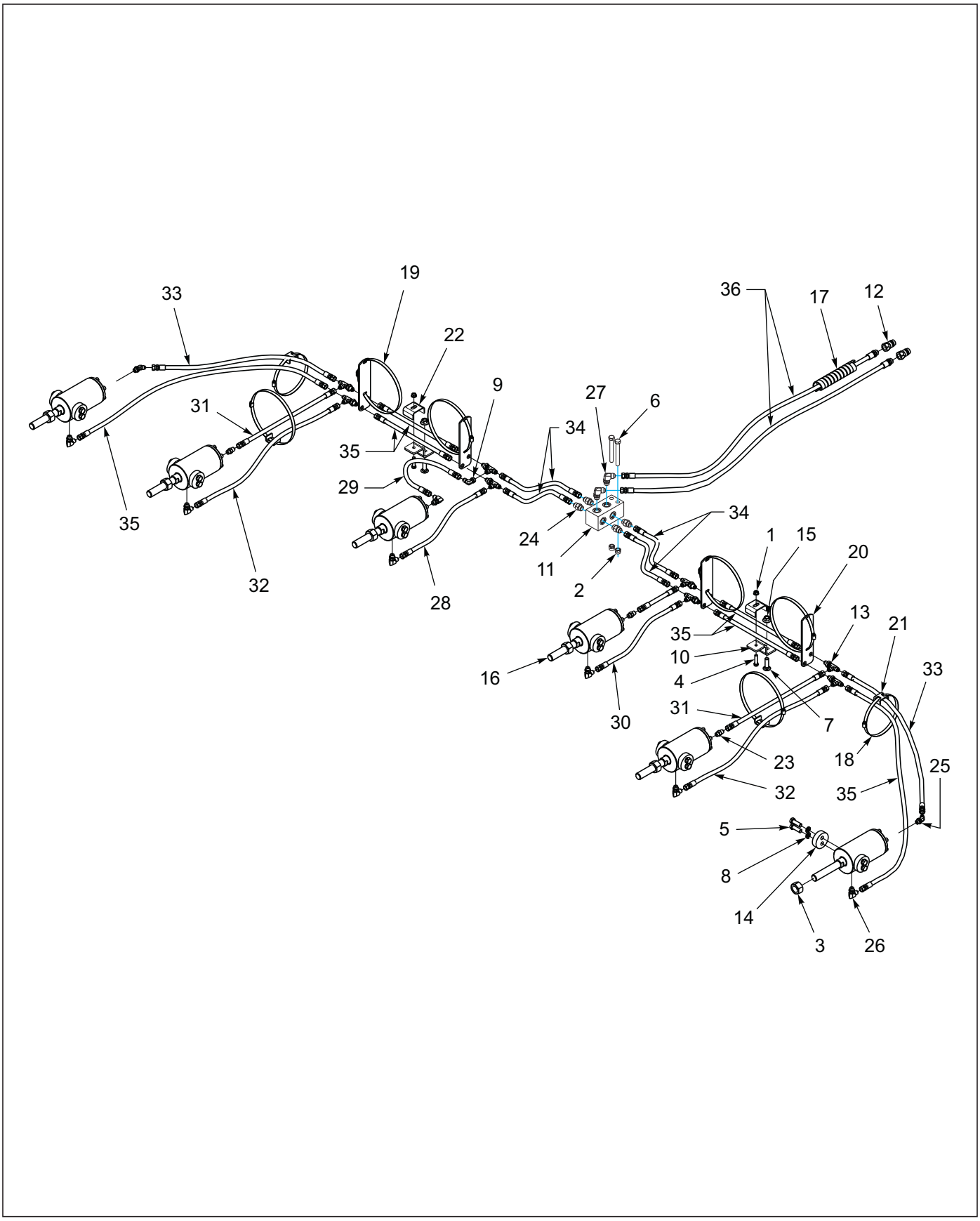


Figure 1-77: Reel Hydraulic Assembly - 23'

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Reel Hydraulic Assembly - 23'

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-510-010001	NUT, 3/8-16 FLANGE LOCK	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	6
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	6
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2	24
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	2
7	1-654-010070-04	SCREW RDHD SQNK 1/2-13X1-3/4	2
8	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	24
9	102-0031	ADAPTER,90 JIC SWIVEL #6	1
10	141275	BRACKET, HOSE CLAMP	2
11	2-474-010022	MANIFOLD HYDRAULIC, 6 HOSE **(8 PORT)**	1
12	141828	COUPLER,MALE 3/4-16 O-RING	2
13	162569	TEE,#6 JIC BULKHD RUN, W/NUT	8
14	198320	ASSY, TRUNION MOUNT 1-1/4" **(AFTER 2-20-2016)**	12
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017)(SEE PAGE 1-154)**	6
16	206671	CYLINDER, 2-1/2" X 2-1/2" ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6
17	172973	HOSE WRAP, RED	1
18	172976	CLAMP, HOSE 4-1/2 - 6-1/2 #096	2
19	172977	CLAMP, HOSE 2-1/2 - 8-1/2 #128	6
20	172992	PLATE, BULKHEAD	4
21	174784	CLAMP HOSE	4
22	2-181-010001	HOSE CLAMP	2
23	202702-6-6S	ADAPTER, STR,#6 SAEX#6 JIC	3
24	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	4
25	2061-6-6S	ADAPTER, 45, #6 O-RING-TUBE	2
26	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	7
27	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
28	7779-14	HOSE ASSY, 1/4 X 14", #6 JIC, FEMALE	1
29	195665	HOSE ASSY, 1/4 X 20", #6 JIC, FEMALE	2
30	176929	HOSE ASSY, 1/4 X 24", #6 JIC, FEMALE	1
31	195666	HOSE ASSY, 1/4 X 26", #6 JIC, FEMALE	2
32	195667	HOSE ASSY, 1/4 X 32", #6 JIC, FEMALE	2
33	71509008	HOSE ASSY, 1/4 X 40", #6 JIC, FEMALE	2
34	172999	HOSE ASSY, 1/4 X 42", #6 JIC, FEMALE	4
35	71500165	HOSE ASSY, 1/4 X 46", #6 JIC, FEMALE	6
36	172972	HOSE ASSY, 3/8 X 330", #8 JIC, SWVL	2
37	199316	HYD REEL KIT, 6231-23 **(NOT SHOWN) (ITEMS 1-36)**	1

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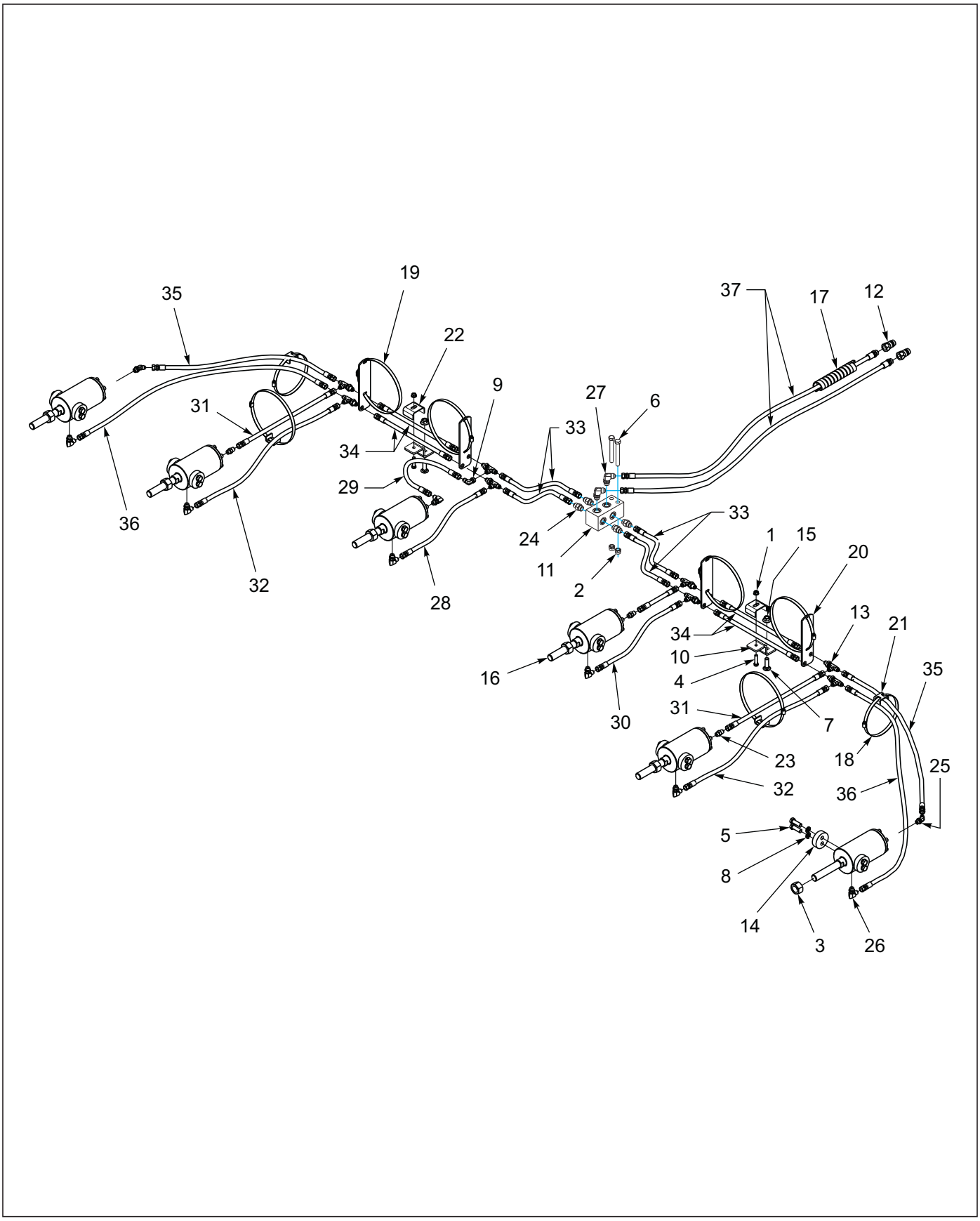


Figure 1-78: Reel Hydraulic Assembly - 26'

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Reel Hydraulic Assembly - 26'

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-510-010001	NUT, 3/8-16 FLANGE LOCK	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	6
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	6
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2	24
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2	2
7	1-654-010070-04	SCREW RDHD SQNK 1/2-13X1-3/4	2
8	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	24
9	102-0031	ADAPTER,90 JIC SWIVEL #6	1
10	141275	BRACKET, HOSE CLAMP	2
11	2-474-010022	MANIFOLD HYDRAULIC, 6 HOSE **(8 PORT)**	1
12	141828	COUPLER,MALE 3/4-16 O-RING	2
13	162569	TEE,#6 JIC BULKHD RUN, W/NUT	8
14	198320	ASSY, TRUNION MOUNT 1-1/4" **(AFTER 2-20-2016)**	12
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017)(SEE PAGE 1-154)**	6
16	206671	CYLINDER, 2-1/2" X 2-1/2" ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6
17	172973	HOSE WRAP, RED	1
18	172976	CLAMP, HOSE 4-1/2 - 6-1/2 #096	2
19	172977	CLAMP, HOSE 2-1/2 - 8-1/2 #128	6
20	172992	PLATE, BULKHEAD	4
21	174784	CLAMP HOSE	4
22	2-181-010001	HOSE CLAMP	2
23	202702-6-6S	ADAPTER, STR,#6 SAEX#6 JIC	3
24	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	4
25	2061-6-6S	ADAPTER, 45, #6 O-RING-TUBE	2
26	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	7
27	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
28	7779-14	HOSE ASSY, 1/4 X 14", #6 JIC, FEMALE	1
29	195665	HOSE ASSY, 1/4 X 20", #6 JIC, FEMALE	2
30	176929	HOSE ASSY, 1/4 X 24", #6 JIC, FEMALE	1
31	195666	HOSE ASSY, 1/4 X 26", #6 JIC, FEMALE	2
32	195667	HOSE ASSY, 1/4 X 32", #6 JIC, FEMALE	2
33	172999	HOSE ASSY, 1/4 X 42", #6 JIC, FEMALE	4
34	71500165	HOSE ASSY, 1/4 X 46", #6 JIC, FEMALE	4
35	71509010	HOSE ASSY, 1/4 X 64", #6 JIC, FEMALE	2
36	173000	HOSE ASSY, 1/4 X 68", #6 JIC, FEMALE	2
37	172972	HOSE ASSY, 3/8 X 330", #8 JIC, SWVL	2
38	199317	HYD REEL KIT, 6231-26 **(NOT SHOWN) (ITEMS 1-37)**	1

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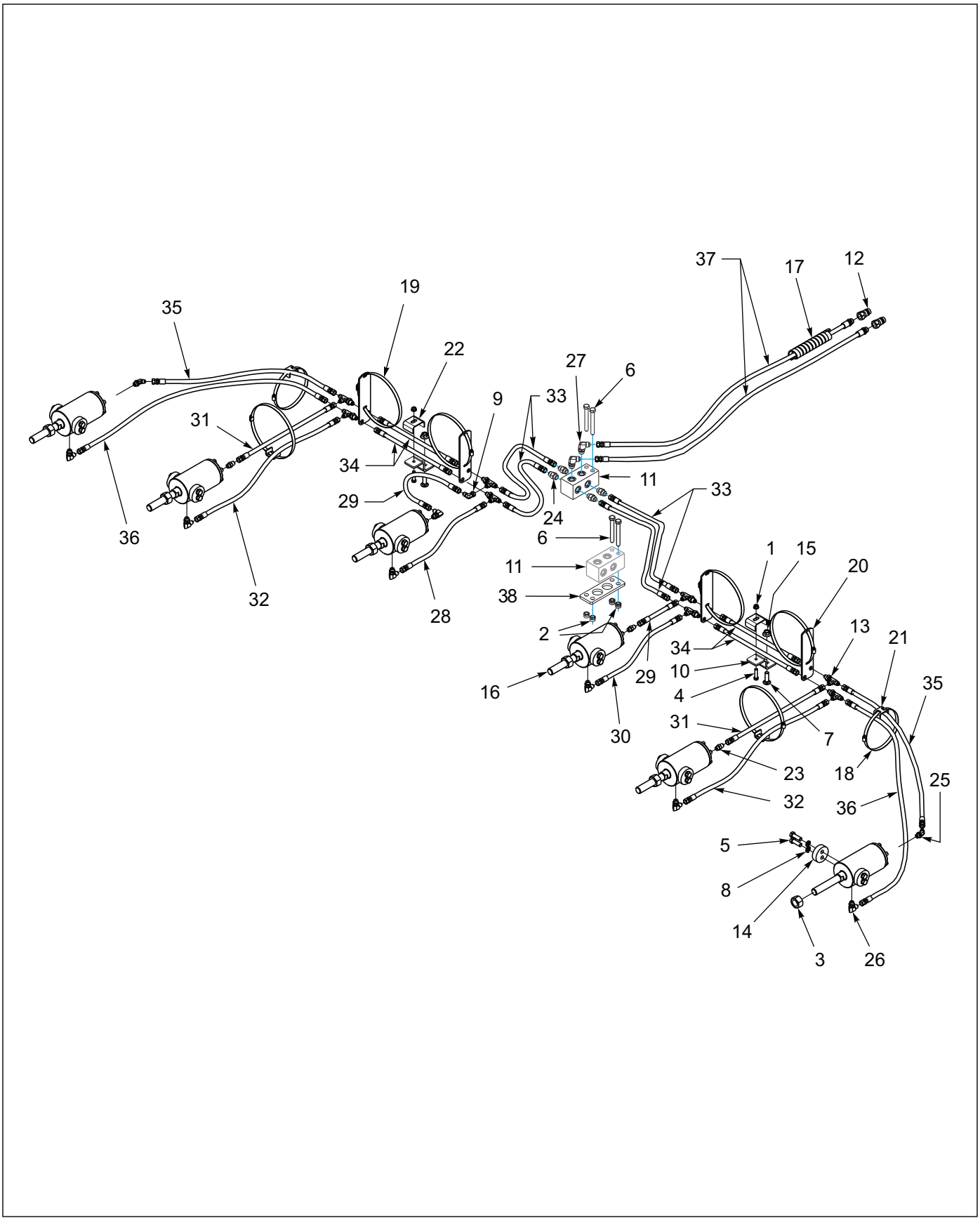


Figure 1-79: Reel Hydraulic Assembly - 29'

https://truckmanualshub.com/

Reel Hydraulic Assembly - 29'

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-510-010001	NUT, 3/8-16 FLANGE LOCK	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	6
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	6
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2	24
6	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5	4
7	1-654-010070-04	SCREW RDHD SQNK 1/2-13X1-3/4	2
8	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	24
9	102-0031	ADAPTER,90 JIC SWIVEL #6	1
10	141275	BRACKET, HOSE CLAMP	2
11	2-474-010022	MANIFOLD HYDRAULIC, 6 HOSE **(8 PORT)**	2
12	141828	COUPLER,MALE 3/4-16 O-RING	2
13	162569	TEE,#6 JIC BULKHD RUN, W/NUT	8
14	198320	ASSY, TRUNION MOUNT 1-1/4" **(AFTER 2-20-2016)**	12
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017)(SEE PAGE 1-154)**	6
16	206671	CYLINDER, 2-1/2" X 2-1/2" ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6
17	172973	HOSE WRAP, RED	1
18	172976	CLAMP, HOSE 4-1/2 - 6-1/2 #096	2
19	172977	CLAMP, HOSE 2-1/2 - 8-1/2 #128	6
20	172992	PLATE, BULKHEAD	4
21	174784	CLAMP HOSE	4
22	2-181-010001	HOSE CLAMP	2
23	202702-6-6S	ADAPTER, STR,#6 SAEX#6 JIC	3
24	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	4
25	2061-6-6S	ADAPTER, 45, #6 O-RING-TUBE	2
26	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	7
27	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
28	7779-14	HOSE ASSY, 1/4 X 14", #6 JIC, FEMALE	1
29	195665	HOSE ASSY, 1/4 X 20", #6 JIC, FEMALE	2
30	176929	HOSE ASSY, 1/4 X 24", #6 JIC, FEMALE	1
31	71509125	HOSE ASSY, 1/4 X 30", #6 JIC, FEMALE	2
32	71509009	HOSE ASSY, 1/4 X 36", #6 JIC, FEMALE	2
33	172999	HOSE ASSY, 1/4 X 42", #6 JIC, FEMALE	4
34	71500165	HOSE ASSY, 1/4 X 46", #6 JIC, FEMALE	4
35	71509006	HOSE ASSY, 1/4 X 80", #6 JIC, FEMALE	2
36	71509788	HOSE ASSY, 1/4 X 84", #6 JIC, FEMALE	2
37	172972	HOSE ASSY, 3/8 X 330", #8 JIC, SWVL	2
38	211367	HYD MANIFOLD MNT	1
39	199318	HYD REEL KIT, 6231-29 **(NOT SHOWN) (ITEMS 1-38)**	1

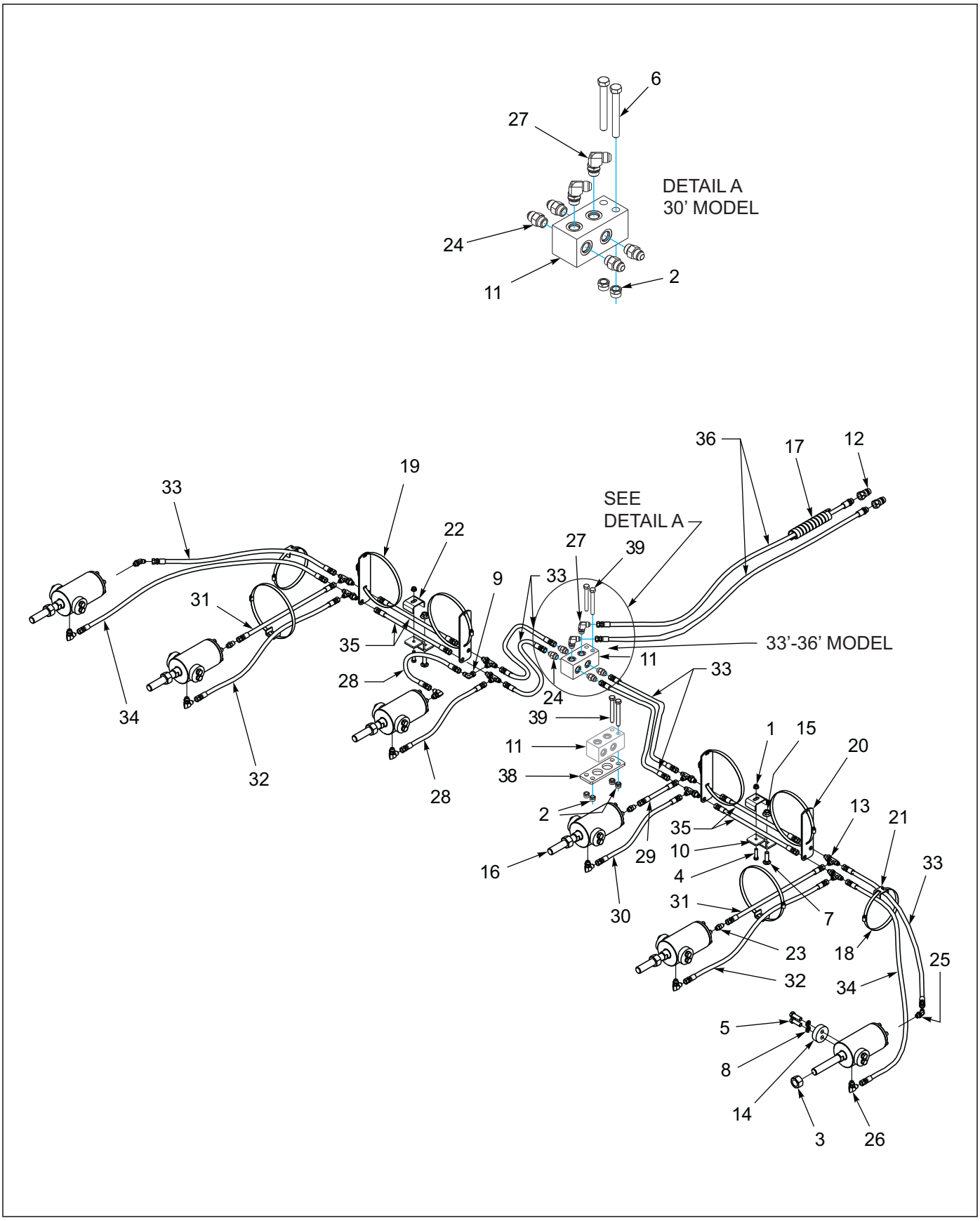


Figure 1-80: Reel Hydraulic Assembly - 30'-36'

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Reel Hydraulic Assembly - 30'-36'

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-510-010001	NUT, 3/8-16 FLANGE LOCK	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
3	1-512-010007-14	NUT, HEX 1-8 GRB **(BEFORE 6-8-2017**)	6
3	206675	NUT, 1-1/8 -12 UNF, Z/P GR 2 **(AFTER 6-8-2017)**	6
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
5	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2	24
6	1-654-010055-11	SCREW,HX CP 1/2-13UNCX3-1/2 **(USED ON 30' MODEL)**	2
7	1-654-010070-04	SCREW RDHD SQNK 1/2-13X1-3/4	2
8	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	24
9	102-0031	ADAPTER,90 JIC SWIVEL #6	1
10	141275	BRACKET, HOSE CLAMP	2
11	2-474-010022	MANIFOLD HYDRAULIC, 6 HOSE **(8 PORT)**	2
12	141828	COUPLER,MALE 3/4-16 O-RING	2
13	162569	TEE,#6 JIC BULKHD RUN, W/NUT	8
14	198320	ASSY, TRUNION MOUNT 1-1/4"**(AFTER 2-20-2016)**	12
15	172509	NUT,1/2-13 WIDE FLNG TOP LCK F	2
16	172537	CYLINDER, 2-1/2 X 2-1/2 STROKE **(BEFORE 6-8-2017)(SEE PAGE 1-154)**	6
16	206671	CYLINDER, 2-1/2" X 2-1/2" ST 1-1/8 THDS **(AFTER 6-8-2017) (SEE PAGE 1-154)**	6
17	172973	HOSE WRAP, RED	1
18	172976	CLAMP, HOSE 4-1/2 - 6-1/2 #096	2
19	172977	CLAMP, HOSE 2-1/2 - 8-1/2 #128	6
20	172992	PLATE, BULKHEAD	4
21	174784	CLAMP HOSE	4
22	2-181-010001	HOSE CLAMP	2
23	202702-6-6S	ADAPTER, STR,#6 SAEX#6 JIC	3
24	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	4
25	2061-6-6S	ADAPTER, 45, #6 O-RING-TUBE	2
26	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	7
27	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
28	7779-14	HOSE ASSY, 1/4 X 14", #6 JIC, FEMALE	2
29	195665	HOSE ASSY, 1/4 X 20", #6 JIC, FEMALE	1
30	195666	HOSE ASSY, 1/4 X 26", #6 JIC, FEMALE	1
31	71509125	HOSE ASSY, 1/4 X 30", #6 JIC, FEMALE	2
32	71509009	HOSE ASSY, 1/4 X 36", #6 JIC, FEMALE	2
33	71509010	HOSE ASSY, 1/4 X 64", #6 JIC, FEMALE **(USED ON 30' MODEL)**	6
33	71509788	HOSE ASSY .250 X 84" **(USED ON 33' MODEL)**	2
33	71509004	HOSE ASSY, 1/4 X 98", #6 JIC, FEMALE **(USED ON 36' MODEL)**	2
34	173000	HOSE ASSY, 1/4 X 68", #6 JIC, FEMALE **(USED ON 30' MODEL)**	2
34	7779-90	HOSE HYD 1/4 X 90 **(USED ON 33' MODEL)**	2
34	7779-102	HOSE ASSY, 1/4 X 102", #6 JIC, FEMALE **(USED ON 36' MODEL)**	2
35	7779-54	HOSE ASSY, 1/4 X 54", #6 JIC, FEMALE	4
36	172972	HOSE ASSY, 3/8 X 330", #8 JIC, SWVL	2
37	199319	HYD REEL KIT, 6231-30 **(NOT SHOWN) (ITEMS 1-36)**	1
38	211367	HYD MANIFOLD MNT	1
39	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 **(USED ON 33'-36' MODELS)**	4
40	199320	HYD REEL KIT, 6231-33 **(NOT SHOWN) (ITEMS 1-36, 38, 39)**	1
41	199321	HYD REEL KIT, 6231-36 **(NOT SHOWN) (ITEMS 1-36, 38, 39)**	1

Lift Hydraulic Assembly

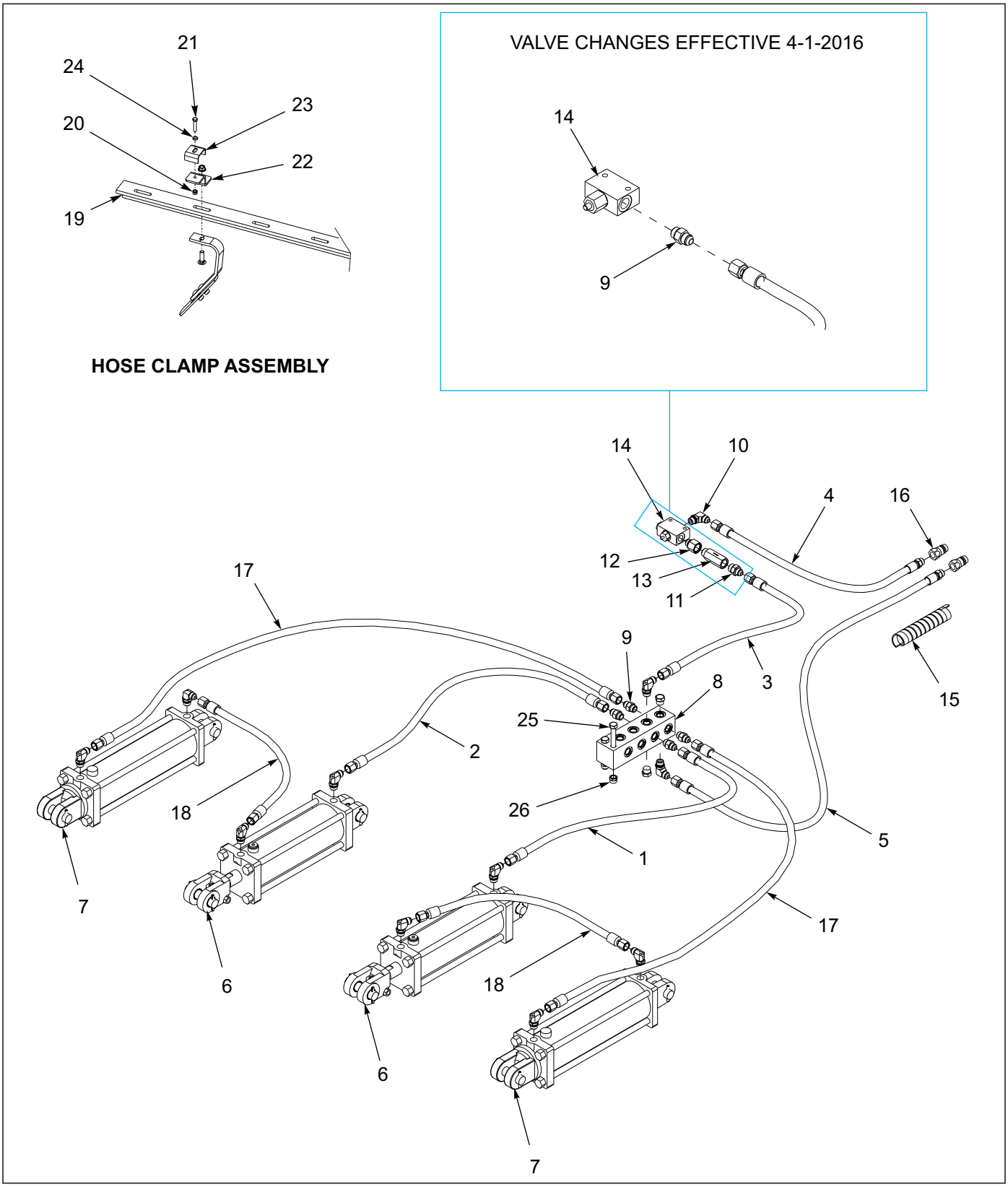


Figure 1-81: Lift Hydraulic Assembly - 21'-29'

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Lift Hydraulic Assembly - 21'-29'

ITEM	PART NO.	DESCRIPTION	QTY.
1	71508954	HOSE ASSY, 3/8 X 22”, #8 JIC, SWVL	1
2	1-397-010369036	HOSE ASSY, 3/8 X 36”, #8 JIC, SWVL	1
3	111301	HOSE ASSY, 1/2 X 195” 37 STR-STR	1
4	167555	HOSE ASSY, 1/2 X 210” 37 JIC X 3/4-16 O-RING	1
5	176996	HOSE ASSY, 1/2 X 220” 37 JIC X 3/4-16 O-RING	1
6	140470	CYLINDER, 4 X 10, REPHASE **(SEE PAGE 1-151)**	2
7	140471	CYLINDER, 3-3/4 X 10, REPHASE **(SEE PAGE 1-150)**	2
8	141594	MANIFOLD HYDRAULIC, 16 PORT	1
9	202702-8-8S	ADAPTER, #8, O-RING TO #8 TUBE **(AFTER 4-1-2016)**	4
10	2062-8-8S	ADAPTER, O-RING, 37°, JIC 90	11
11	202702-10-8S	ADAPTER, O-RING, 37° FLARE, SAE 070120 **(BEFORE 4-1-2016)**	1
12	181938	ADAPTER, #8 MORB X #10 FORB **(BEFORE 4-1-2016)**	1
13	181933	VALVE, IN-LINE RES **(BEFORE 4-1-2016)**	1
14	185660	VALVE LIMIT	1
15	155528	HOSE WRAP, BLUE	1
16	141828	COUPLER, MALE, 3/4-16, O-RING	2
17	137600	HOSE ASSY, 3/8 X 130”, #8 JIC, SWVL **(USED ON 21' MODEL)**	2
17	141881	HOSE ASSY, 3/8 X 136”, #8 JIC, SWVL **(USED ON 23' MODEL)**	2
17	144342	HOSE ASSY, 3/8 X 150”, #8 JIC, SWVL **(USED ON 26' MODEL)**	2
17	144343	HOSE ASSY, 3/8 X 165”, #8 JIC, SWVL **(USED ON 29' MODEL) (BEFORE 4-1-2016)**	2
17	122911	HOSE ASSY, 3/8 X 168”, #8 JIC, SWVL **(USED ON 29' MODEL) (AFTER 4-1-2016)**	
18	1413183	HOSE ASSY, 3/8 X 103.25”, #8 JIC, SWVL **(USED ON 21’ MODEL)**	2
18	1413572	HOSE ASSY, 3/8 X 107”, #8 JIC, SWVL **(USED ON 23' MODEL)**	2
18	137598	HOSE ASSY, 3/8 X 123”, #8 JIC, SWVL **(USED ON 26’ MODEL)**	2
18	153620	HOSE ASSY, 3/8 X 140”, #8 JIC, SWVL **(USED ON 29’ MODEL) (BEFORE 4-1-2016)**	2
18	198296	HOSE ASSY, 3/8 X 144”, #8 JIC, SWVL **(USED ON 29’ MODEL) (AFTER 4-1-2016)**	2
19	141170	SCRAPER BAR	1
20	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	1
21	1-654-010051-08	SCREW, HEX HEAD CAP 3/8-16 X 1-3/4 GR5	1
22	141275	BRACKET, HOSE CLAMP	1
23	2-181-010001	HOSE CLAMP	1
24	1-861-010032-11	WASHER, FLAT 3/8	1
25	1-654-010055-11	SCREW, HEX 1/2-13 UNC X 3-1/2 UNC, GRB	2
26	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC GRB	2

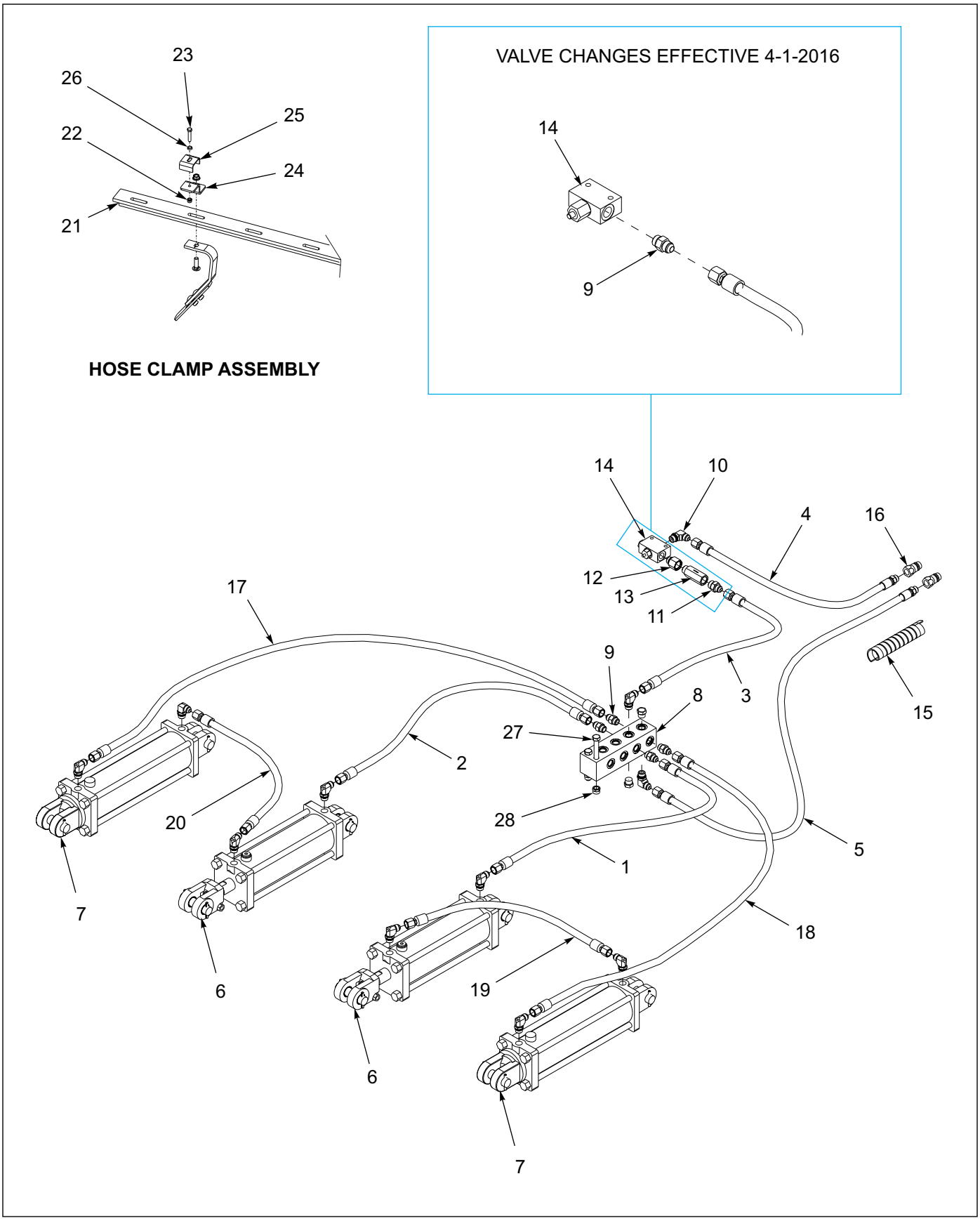


Figure 1-82: Lift Hydraulic Assembly - 30'-36'

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Lift Hydraulic Assembly - 30'-36'

ITEM	PART NO.	DESCRIPTION	QTY.
1	147584	HOSE ASSY, 3/8 X 40”, #8 JIC, SWVL	1
2	71508992	HOSE ASSY, 3/8 X 50”, #8 JIC, SWVL	1
3	111301	HOSE ASSY, 1/2 X 36” 37 STR-STR	1
4	167555	HOSE ASSY, 1/2 X 210” 37 JIC X 3/4-16 O-RING	1
5	176996	HOSE ASSY, 1/2 X 220” 37 JIC X 3/4-16 O-RING	1
6	140470	CYLINDER, 4 X 10, REPHASE **(SEE PAGE 1-151)**	2
7	140471	CYLINDER, 3-3/4 X 10, REPHASE **(SEE PAGE 1-150)**	2
8	141594	MANIFOLD HYDRAULIC, 16 PORT	1
9	202702-8-8S	ADAPTER, #8, O-RING TO #8 TUBE **(AFTER 4-1-2016)**	14
10	2062-8-8S	ADAPTER, O-RING, 37°, JIC 90	9
11	202702-10-8S	ADAPTER, O-RING, 37° FLARE, SAE 070120 **(BEFORE 4-1-2016)**	1
12	181938	ADAPTER, #8 MORB X #10 FORB **(BEFORE 4-1-2016)**	1
13	181933	VALVE, IN-LINE RES **(BEFORE 4-1-2016)**	1
14	185660	VALVE LIMIT	1
15	155528	HOSE WRAP, BLUE	1
16	141828	COUPLER, MALE, 3/4-16, O-RING	2
17	71508983	HOSE ASSY, 3/8 X 182”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
17	117163	HOSE ASSY, 3/8 X 196”, #8 JIC, SWVL **(USED ON 33' MODEL)**	1
17	153621	HOSE ASSY, 3/8 X 212”, #8 JIC, SWVL **(USED ON 36' MODEL)**	1
18	122911	HOSE ASSY, 3/8 X 168”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
18	150273	HOSE ASSY, 3/8 X 185”, #8 JIC, SWVL **(USED ON 33' MODEL)**	1
18	71509000	HOSE ASSY, 3/8 X 202”, #8 JIC, SWVL **(USED ON 36' MODEL)**	1
19	141881	HOSE ASSY, 3/8 X 136”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
19	144342	HOSE ASSY, 3/8 X 150”, #8 JIC, SWVL **(USED ON 33' MODEL)**	1
19	144343	HOSE ASSY, 3/8 X 165”, #8 JIC, SWVL **(USED ON 36' MODEL)**	1
20	137600	HOSE ASSY, 3/8 X 130”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
20	116435	HOSE ASSY, 3/8 X 146”, #8 JIC, SWVL **(USED ON 33' MODEL)**	1
20	144343	HOSE ASSY, 3/8 X 165”, #8 JIC, SWVL **(USED ON 36' MODEL)**	1
21	141170	SCRAPER BAR	1
22	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	1
23	1-654-010051-08	SCREW, HEX HEAD CAP 3/8-16 X 1-3/4 GR5	1
24	141275	BRACKET, HOSE CLAMP	1
25	2-181-010001	HOSE CLAMP	1
26	1-861-010032-11	WASHER, FLAT 3/8	1
27	1-654-010055-11	SCREW, HEX 1/2-13 UNC X 3-1/2 UNC, GRB	2
28	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC GRB	2

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Fold Hydraulic Assemblies

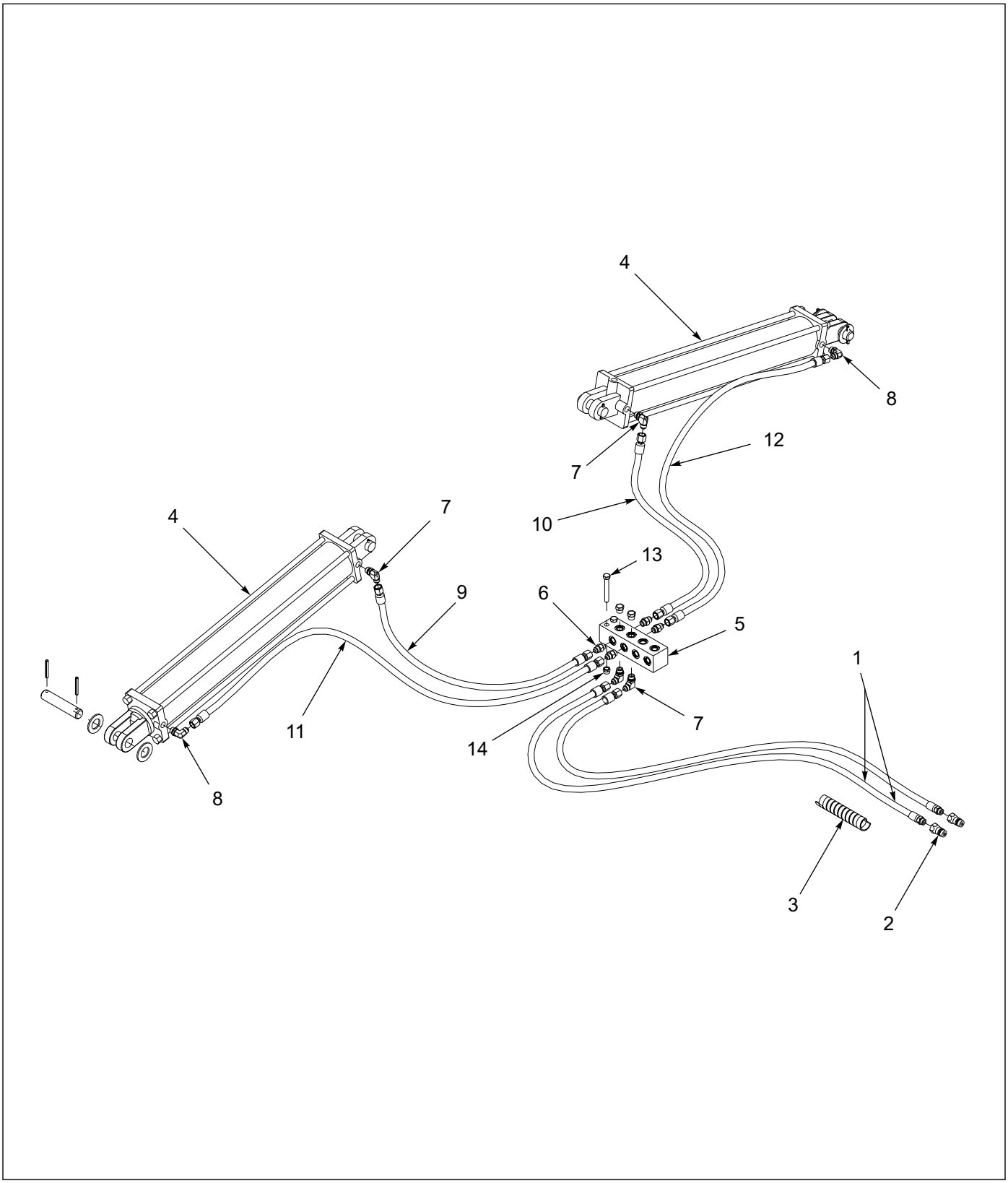


Figure 1-83: Fold Hydraulic Assembly - 21', 23', 26' & 30' (Single)

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Fold Hydraulic Assembly - 21', 23', 26' & 30' (Single)

ITEM	PART NO.	DESCRIPTION	QTY.
1	194696	HOSE ASSY, 3/8 X 220”, #8 JIC X #8 O-RING	2
2	141828	COUPLER, MALE, 3/4-16, O-RING	2
3	155529	HOSE WRAP, YELLOW	1
4	167575	CYLINDER, 4-1/2 X 30, 2 DIA ROD **(SEE PAGE 1-152)**	2
5	141594	MANIFOLD HYDRAULIC, 16 PORT	1
6	202702-8-8S	ADAPTER, #8, O-RING TO #8 TUBE	14
7	2062-8-8S	ADAPTER, O-RING, 37°, JIC 90	4
8	141826	ELBOW 90, 3/4 O-RING-3/4 JIC, 1/16 RES	2
9	71508954	HOSE ASSY, 3/8 X 22”, #8 JIC, SWVL **(USED ON 21'-26' MODELS)**	1
9	147123	HOSE ASSY, 3/8 X 31”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
10	153842	HOSE ASSY, 3/8 X 33”, #8 JIC, SWVL **(USED ON 21'-26' MODELS)**	1
10	147584	HOSE ASSY, 3/8 X 40”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
11	71508984	HOSE ASSY, 3/8 X 42”, #8 JIC, SWVL **(USED ON 21'-26' MODELS)**	1
11	116432	HOSE ASSY, 3/8 X 60”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
12	71508992	HOSE ASSY, 3/8 X 50”, #8 JIC, SWVL **(USED ON 21'-26' MODELS)**	1
12	122910	HOSE ASSY, 3/8 X 70”, #8 JIC, SWVL **(USED ON 30' MODEL)**	1
13	1-654-010055-11	SCREW, HEX 1/2-13 UNC X 3-1/2 UNC, GRB	2
14	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC GRB	2

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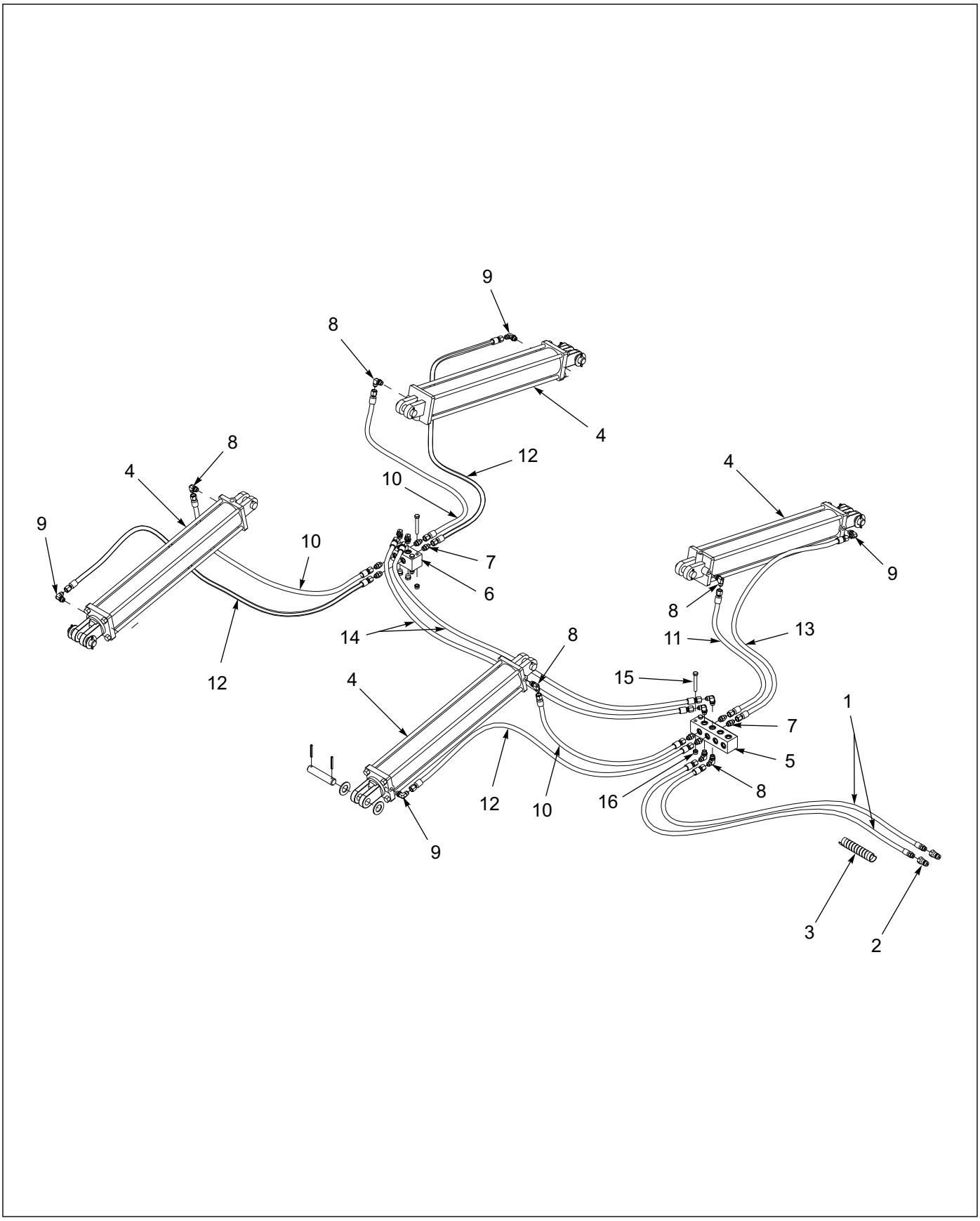


Figure 1-84: Fold Hydraulic Assembly - 29' (Double)

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Fold Hydraulic Assembly - 29' (Double)

ITEM	PART NO.	DESCRIPTION	QTY.
1	194696	HOSE ASSY, 3/8 X 220”, #8 JIC X #8 O-RING	2
2	141828	COUPLER, MALE, 3/4-16, O-RING	2
3	155529	HOSE WRAP, YELLOW	1
4	167575	CYLINDER, 4-1/2 X 30, 2 DIA ROD **(SEE PAGE 1-152)**	4
5	141594	MANIFOLD HYDRAULIC, 16 PORT	1
6	2-474-010022	MANIFOLD HYDRAULIC ASSY, 6 HOSE	1
7	202702-8-8S	ADAPTER, #8, O-RING TO #8 TUBE	8
8	2062-8-8S	ADAPTER, O-RING, 37°, JIC 90	10
9	141826	ELBOW 90, 3/4 O-RING-3/4 JIC, 1/16 RES	4
10	71508954	HOSE ASSY, 3/8 X 22”, #8 JIC, SWVL	3
11	153842	HOSE ASSY, 3/8 X 33”, #8 JIC, SWVL	1
12	71508984	HOSE ASSY, 3/8 X 42”, #8 JIC, SWVL	3
13	71508992	HOSE ASSY, 3/8 X 50”, #8 JIC, SWVL	1
14	137599	HOSE ASSY, 3/8 X 126”, #8 JIC, SWVL	2
15	1-654-010055-11	SCREW, HEX 1/2-13 UNC X 3-1/2 UNC, GRB	2
16	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC GRB	2

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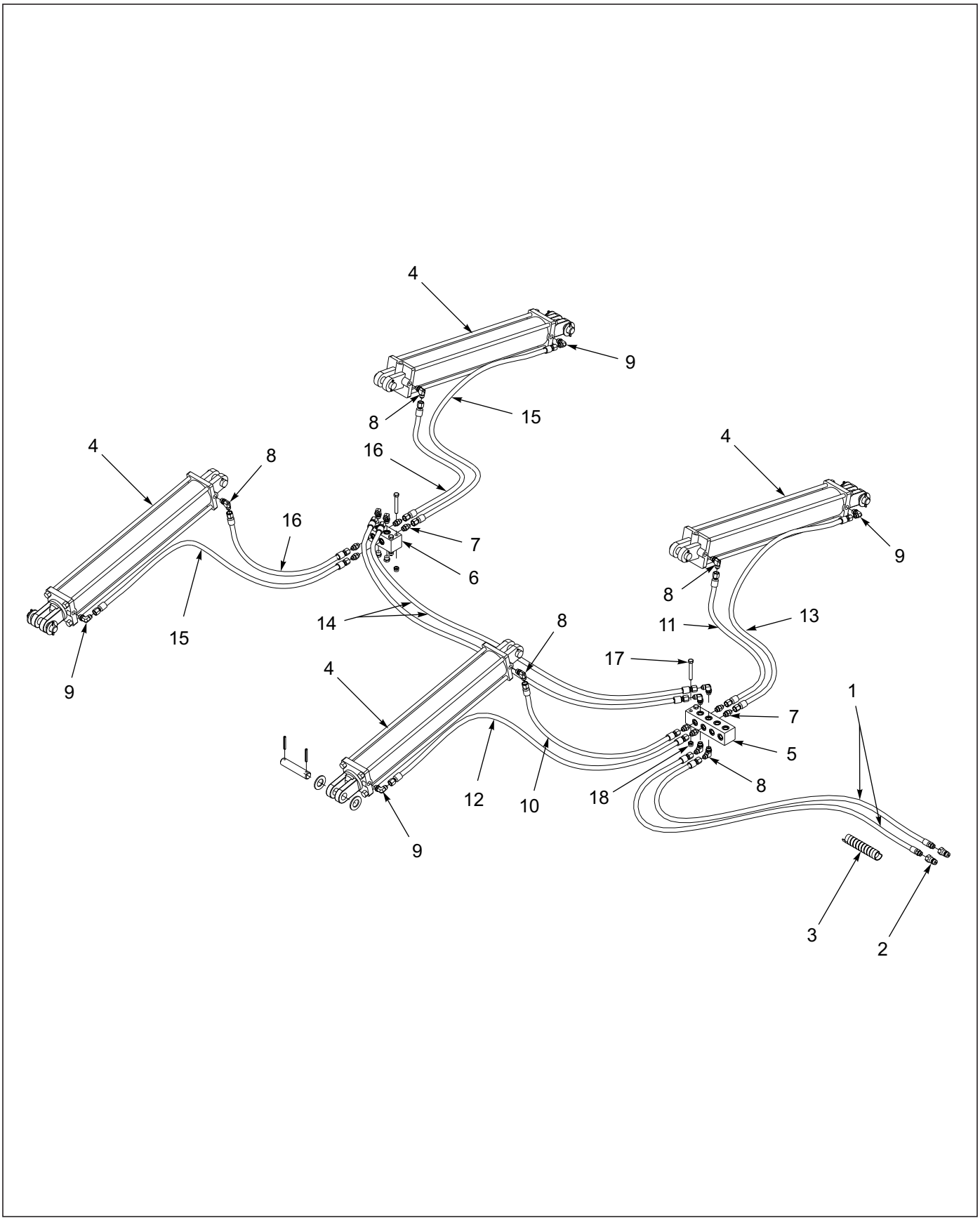


Figure 1-85: Fold Hydraulic Assembly - 33'-36' (Double)

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Fold Hydraulic Assembly - 33'-36' (Double)

ITEM	PART NO.	DESCRIPTION	QTY.
1	194696	HOSE ASSY, 3/8 X 222”, #8 JIC X #8 O-RING	2
2	141828	COUPLER, MALE, 3/4-16, O-RING	2
3	155529	HOSE WRAP, YELLOW	1
4	167575	CYLINDER, 4-1/2 X 30, 2 DIA ROD **(SEE PAGE 1-152)**	4
5	141594	MANIFOLD HYDRAULIC, 16 PORT	1
6	2-474-010022	MANIFOLD HYDRAULIC ASSY, 6 HOSE	1
7	202702-8-8S	ADAPTER, #8, O-RING TO #8 TUBE	8
8	2062-8-8S	ADAPTER, O-RING, 37°, JIC 90	10
9	141826	ELBOW 90, 3/4 O-RING-3/4 JIC, 1/16 RES	4
10	147123	HOSE ASSY, 3/8 X 31”, #8 JIC, SWVL	1
11	147584	HOSE ASSY, 3/8 X 40”, #8 JIC, SWVL	1
12	116432	HOSE ASSY, 3/8 X 60”, #8 JIC, SWVL	1
13	122910	HOSE ASSY, 3/8 X 70”, #8 JIC, SWVL	1
14	166171	HOSE ASSY, 3/8 X 114”, #8 JIC, SWVL	2
15	153843	HOSE ASSY, 3/8 X 67”, #8 JIC, SWVL	2
16	1-397-010369036	HOSE ASSY, 3/8 X 36”, #8 JIC, SWVL	2
17	1-654-010055-11	SCREW, HEX 1/2-13 UNC X 3-1/2 UNC, GRB	2
18	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC GRB	2

Cylinders

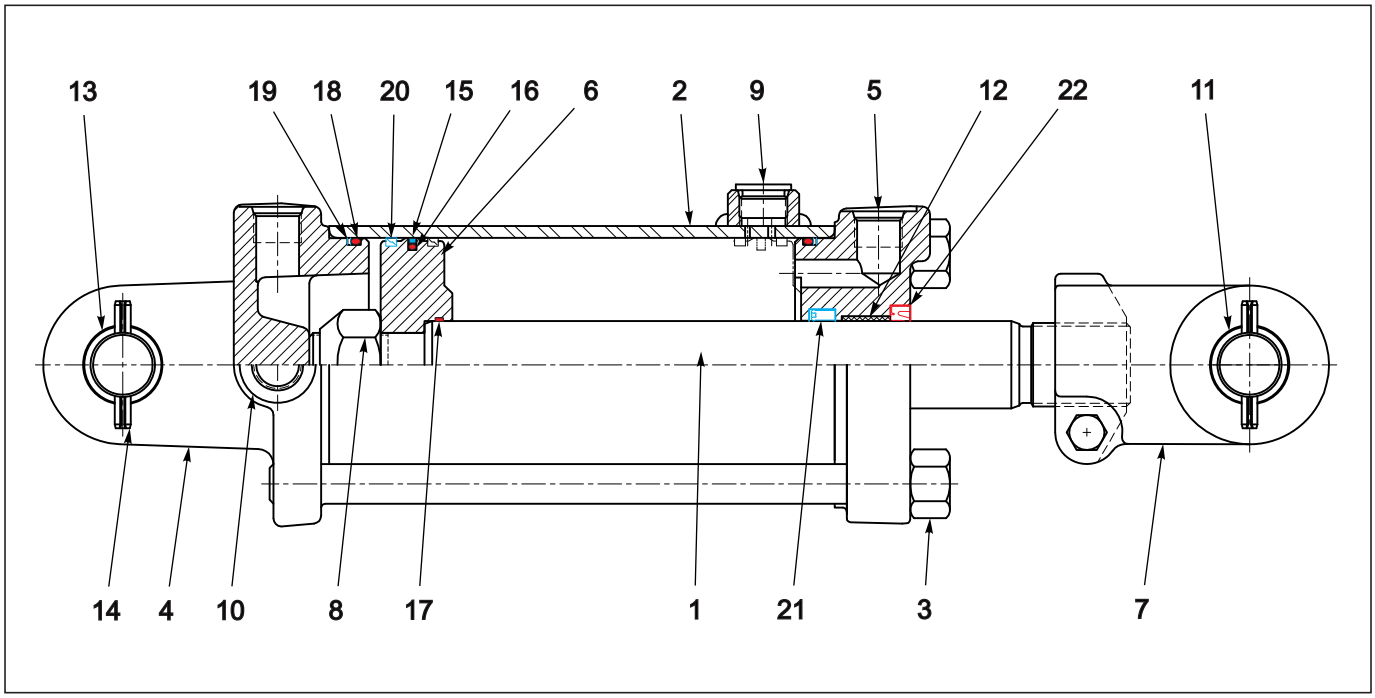


Figure 1-86: Cylinder - Rephase Assembly 3-3/4 X 10 (1” Clevis Pins)

Cylinder - Rephase Assembly 3-3/4 X 10 (1” Clevis Pins)

ITEM	PART NO.	DESCRIPTION	QTY.
--	140471	CYLINDER, 3-3/4 X 10, REPHASE **(1” PINS)**	
1	-----	PISTON, ROD	1
2	-----	TUBE ASSY	1
3	-----	TIEROD ASSY	1
4	142116	BUTT CLEVIS ASSEMBLY	1
5	111871	GLAND ASSY	1
6	-----	PISTON ROD	1
7	142110	CLEVIS ASSY	1
8	-----	NUT, LOCK	1
9	-----	PLUG, PORT	1
10	-----	PLUG, PORT	3
11	142112	BUSHING	4
12	141301	BUSHING	1
13	143994	PIN, CLEVIS	2
14	111789	ROLL PIN	4
15	-----	TEFLON SEAL	1
16	-----	O- RING	1
17	-----	O- RING	1
18	-----	O- RING	2
19	-----	BU- WASHER	2
20	-----	BEARING RING	2
21	-----	U- CUP	1
22	-----	CANNED WIPER	1
23	142103	PACKING KIT **(NOT SHOWN) (INCLUDES ITEMS 15-22)**	

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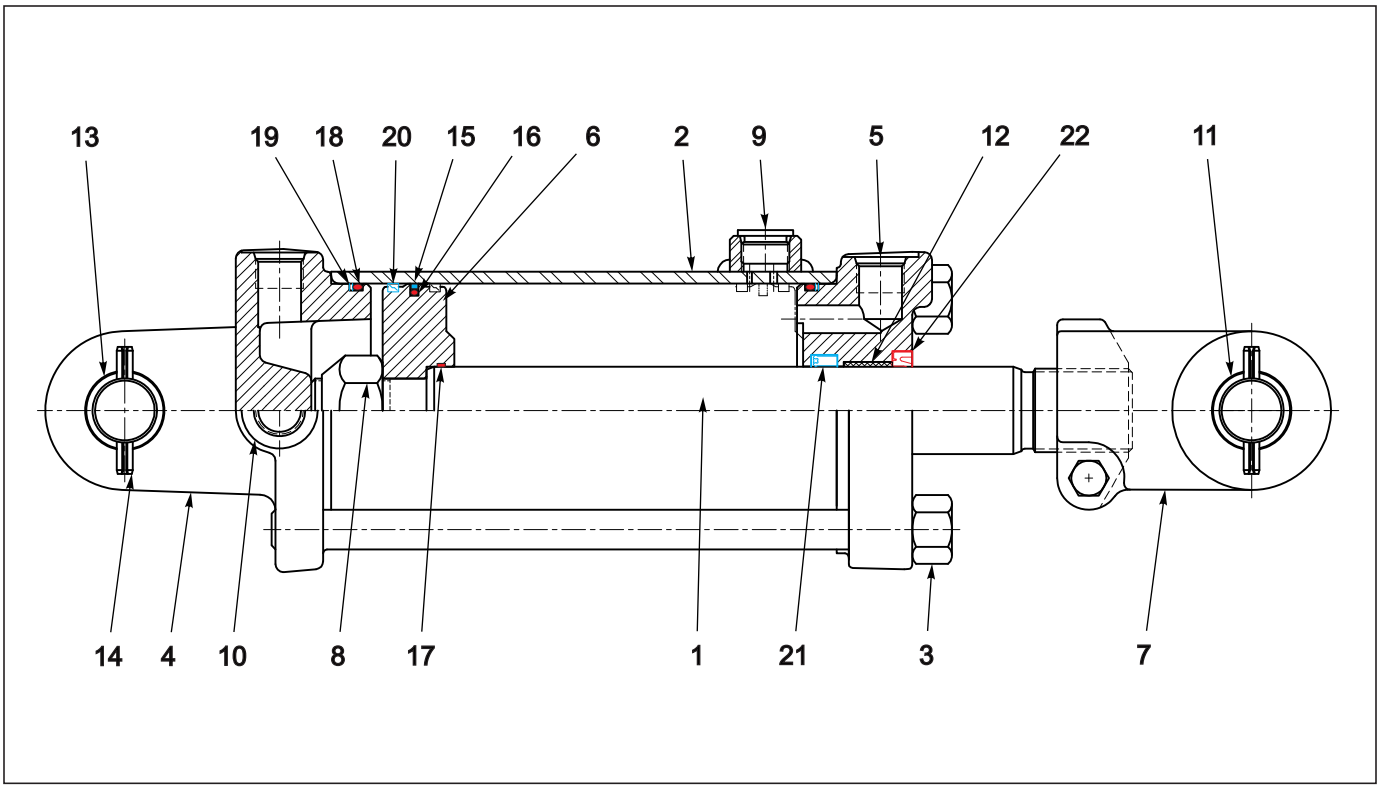


Figure 1-87: Cylinder - Rephase Assembly 4 X 10 (1” Clevis Pins)

Cylinder - Rephase Assembly 4 X 10 (1” Clevis Pins)

ITEM	PART NO.	DESCRIPTION	QTY.
--	140470	CYLINDER 4X10 REPHASE **(1” PINS)**	
1	-----	PISTON, ROD	1
2	-----	TUBE	1
3	-----	TIEROD ASSY	1
4	142114	BUTT CLEVIS ASSY	1
5	142109	GLAND ASSEMBLY	1
6	-----	PISTON	1
7	142110	CLEVIS ASSEMBLY	1
8	-----	NUT, LOCK	1
9	-----	PLUG, PORT	1
10	-----	PLUG, PORT	3
11	142112	BUSHING	4
12	141301	BUSHING	1
13	143994	PIN, CLEVIS	2
14	111789	ROLL PIN	4
15	-----	TEFLON SEAL	1
16	-----	O- RING	1
17	-----	O- RING	1
18	-----	O- RING	2
19	-----	BU- WASHER	2
20	-----	BEARING RING	2
21	-----	U- CUP	1
22	-----	CANNED WIPER	1
23	142111	PACKING KIT **(NOT SHOWN) (INCLUDES ITEMS 15-22)**	

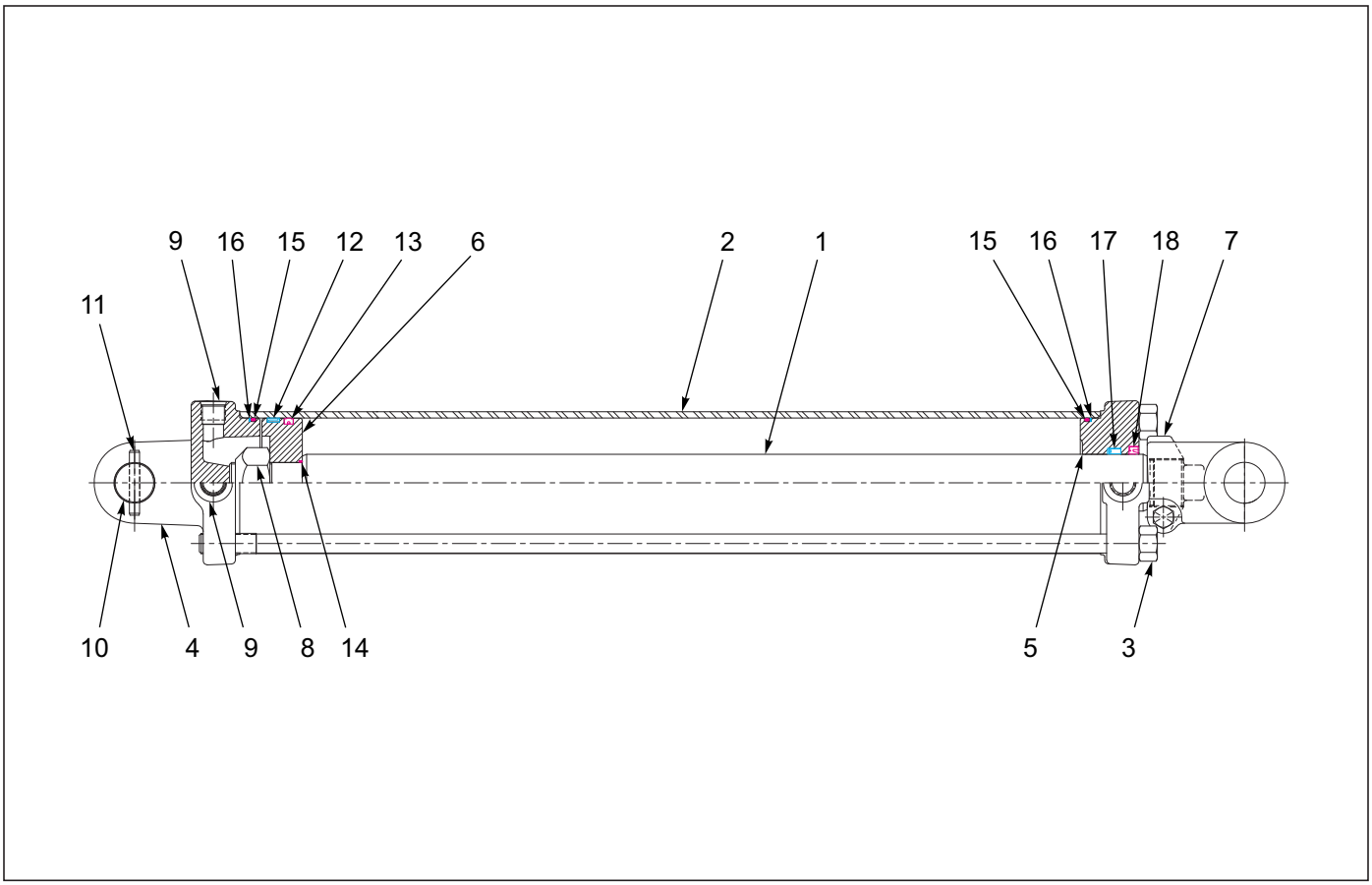


Figure 1-88: Hydraulic Cylinder 4-1/2” X 30”

Hydraulic Cylinder 4-1/2” X 30”

ITEM	PART NO.	DESCRIPTION	QTY.
--	167575	CYLINDER, 4-1/2 X 30, 2DIA ROD	
1	-----	PISTON ROD	1
2	-----	TUBE	1
3	-----	TIEROD ASSEMBLY	4
4	218648	BUTT	1
5	169549	GLAND	1
6	-----	PISTON	1
7	100000362	CLEVIS ASSEMBLY	1
8	-----	LOCKNUT	1
9	-----	PORT PLUG	3
10	169550	CLEVIS PIN	1
11	111789	ROLL PIN	2
12	-----	BEARING RING	2
13	-----	CROWN SEAL	1
14	-----	O-RING	1
15	-----	O-RING	2
16	-----	BU-WASHER	2
17	-----	U-CUP	1
18	-----	WIPER	2
19	169552	PACKING KIT **(ITEMS 12-18)**	1

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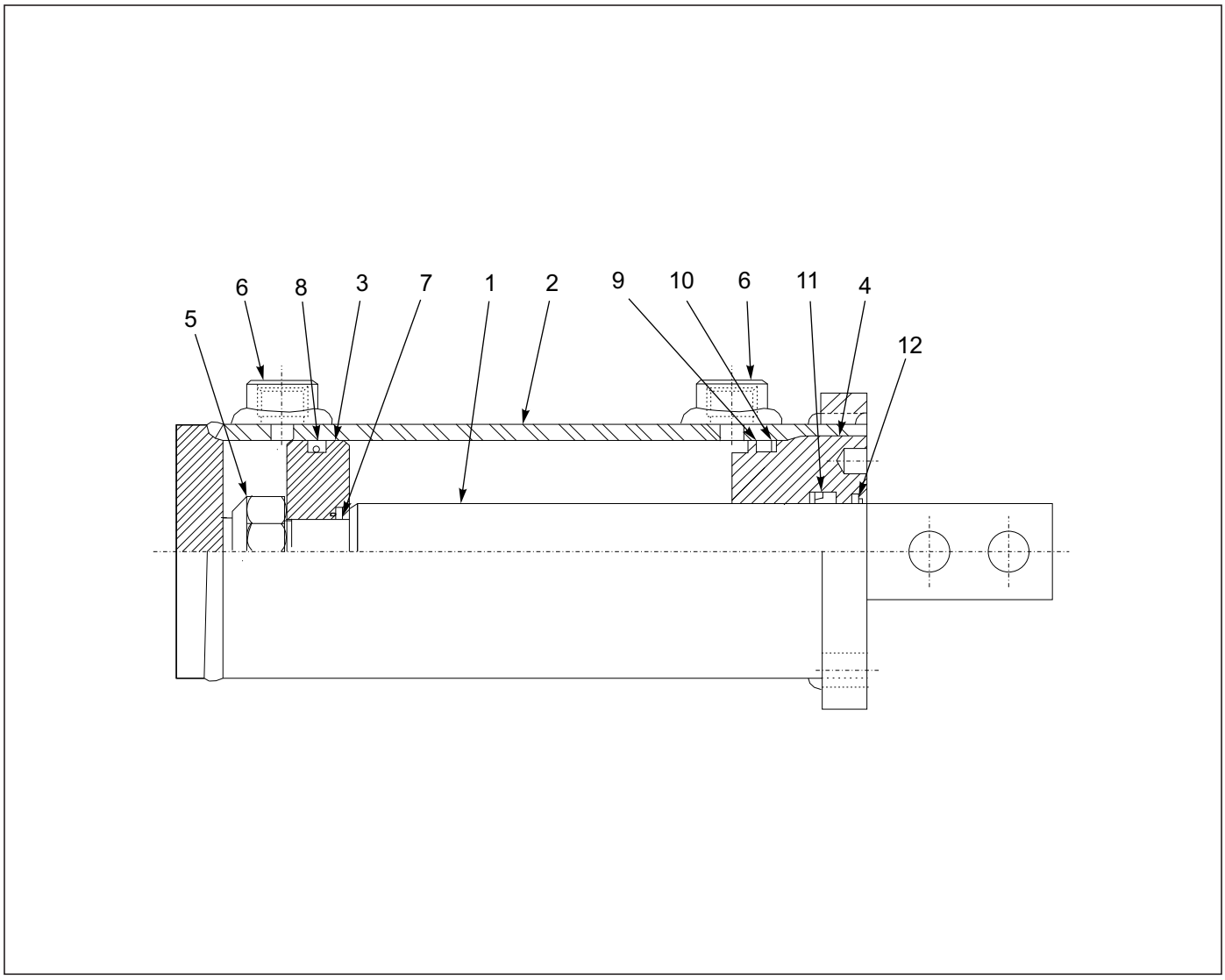


Figure 1-89: Hydraulic Cylinder 3-1/2” X 6”

Hydraulic Cylinder 3-1/2” X 6”

ITEM	PART NO.	DESCRIPTION	QTY.
--	140631	CYLINDER 3-1/2X6	
1	142803	PISTON ROD	1
2	-----	BUTT AND TUBE ASSEMBLY	1
3	-----	PISTON	1
4	142806	GLAND ASSY	1
5	-----	LOCKNUT	1
6	-----	PORT PLUG	2
7	-----	O-RING	1
8	-----	CROWN SEAL	1
9	-----	O-RING	1
10	-----	BU-WASHER	1
11	-----	U-CUP	1
12	-----	CANNED WIPER	1
13	142807	PACKING KIT **(NOT SHOWN) (INCLUDES ITEM 7-12)**	

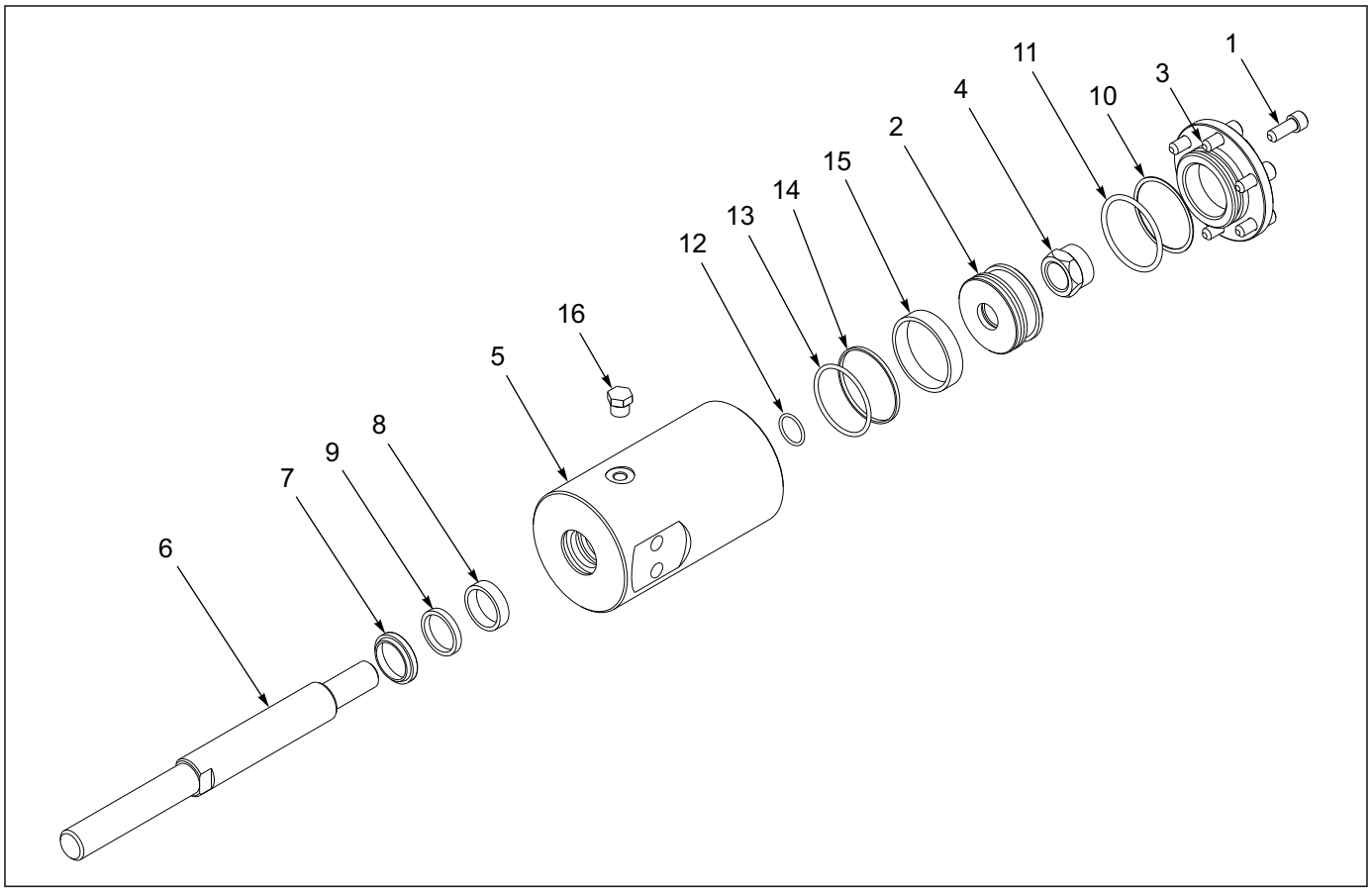


Figure 1-90: Hydraulic Cylinder 2-1/2” X 2-1/2”

Cylinder 2-1/2” X 2-1/2”

ITEM	PART NO.	DESCRIPTION	QTY.
--	172537	CYL ASSY 2-1/2"X 2-1/2" STROKE **(BEFORE 6-8-2017)**	
1	-----	SCREW, HEX SOCKET 3/8-16 X 1	6
2	-----	PISTON, 2-1/2 BORE	1
3	171080	2-1/2" BASE CAP	1
4	-----	NUT, HEX LOCK 7/8-14 GRC	1
5	-----	CYLINDER, BARREL 2-1/2 STROKE	1
6	172539	ROD 1-1/4" DIA 2-1/2" STROKE	1
7	-----	WIPER, 1-1/4 ROD	1
8	-----	WEAR RING, 1-1/4 ROD	1
9	-----	U-CUP, 1-1/4 ROD	1
10	-----	BACK-UP RING, CAP	1
11	-----	O-RING, CAP	1
12	-----	O-RING, PISTON	1
13	-----	O-RING, PISTON	1
14	-----	SEAL, 2-1/2 PISTON	1
15	-----	WEAR RING, 2-1/2 PISTON	1
16	-----	PLUG, O-RING 9/16-18	2
17	171081	SEAL KIT, 2-1/2" BORE CYL **(NOT SHOWN) (INCL. ITEMS 7 - 15)**	

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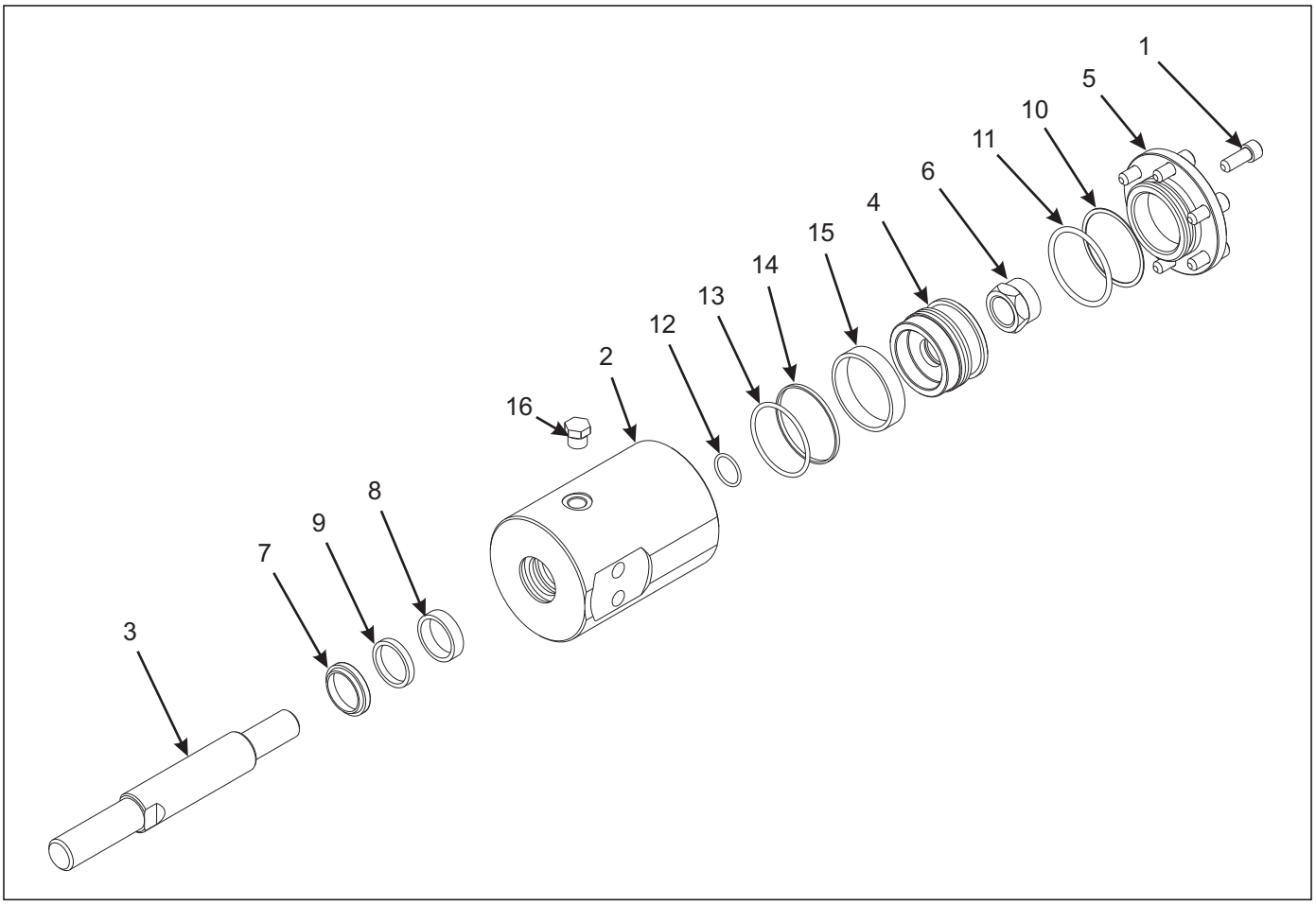


Figure 1-91: Cylinder - 2-1/2” X 2-1/2” 1-1/8 Thds

Cylinder - 2-1/2” X 2-1/2” 1-1/8 Thds

ITEM	PART NO.	DESCRIPTION	QTY.
--	206671	CYL ASM 2-1/2X2-1/2ST1-1/8THDS **(AFTER 6-8-2017)**	
1	-----	SCREW, HEX SOCKET 3/8-16 X 1	6
2	-----	CYLINDER, BARREL 2-1/2” STROKE	1
3	206673	ROD 1-1/4 DIA	1
4	-----	PISTON, 2-1/2 BORE	1
5	171080	2-1/2" BASE CAP	1
6	-----	NUT, HEX SLFLKG 7/8-14 GRC	1
7	-----	WIPER, 1-1/4 ROD	1
8	-----	WEAR RING, 1-1/4 ROD	1
9	-----	U-CUP, 1-1/4 ROD	1
10	-----	BACK-UP RING, CAP	1
11	-----	O-RING, CAP	1
12	-----	O-RING, PISTON	1
13	-----	O-RING, PISTON	1
14	-----	SEAL, 2-1/2 PISTON	1
15	-----	WEAR RING, 2-1/2 PISTON	1
16	-----	PLUG, O-RING 9/16-18	2
17	171081	SEAL KIT, 2-1/2" BORE CYL **(NOT SHOWN) (INCL. ITEMS 7 - 15)**	

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Electrical

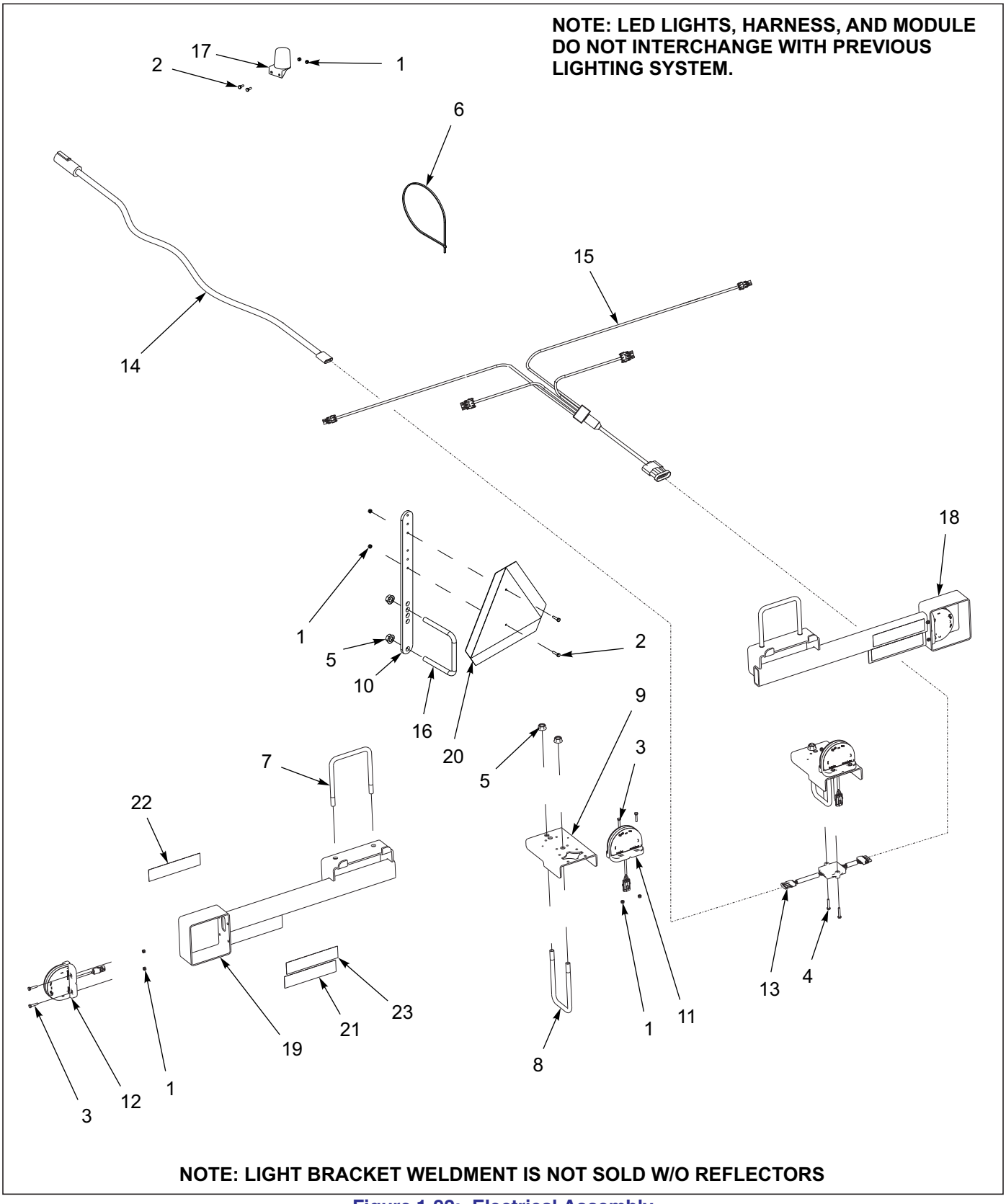


Figure 1-92: Electrical Assembly

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7-PIN CONN	4-PIN TOWER	CIRCUIT	WIRE COLOR
1	D	GROUND	WHITE
2		WORK LAMPS	BLACK
3	B	LEFT FLASHING & TURN	YELLOW
4		STOP LAMPS	RED
5	A	RIGHT FLASHING & TURN	GREEN
6	C	TAIL LAMPS	BROWN
7		SWITCHED POWER (12V)	BLUE

14

	1	2	3	4	5
	2-PIN TOWER	3-PIN TOWER	6-PIN SHROUD	3-PIN TOWER	2-PIN TOWER
BLACK LEFT TURN			A	C	
WHITE GROUND	A	A	B	A	A
BROWN TAIL LIGHT		B	C	B	
YELLOW LEFT TURN			D		B
GREEN RIGHT TURN	B		E		
RED RIGHT TURN		C	F		

15

Figure 1-93: LED Warning Light Harness Wire Designations

Electrical Assembly W/ LED Lights

ITEM	PART NO.	DESCRIPTION	QTY.
--	194695	LIGHT KIT	
1	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	22
2	1-654-010047-06	SCREW, HEX HEAD CAP 1/4-20 X 1” GR5	4
3	1-654-010047-07	SCREW, HEX HEAD CAP 1/4-20 X 1-1/4 GR5	16
4	1-654-010047-08	SCREW, HEX HEAD CAP 1/4-20 X 1-1/2 GR5	2
5	100827	NUT, FLANGE HEAD SERRATED 5/8-11	6
6	105874	TIE SELF LOCKING 19"	15
7	141269	U-BOLT, WING STABILIZER	2
8	157648	U-BOLT	2
9	164138	MOUNT, TAIL LIGHT	2
10	164142	BRACKET MOUNTING, SMV	1
11	174435	LAMP, AG RED SINGLE LED	2
12	174436	LAMP, AG AMBER SINGLE LED	2
13	174437	MODULE, AG FLASHER CONTROL	1
14	174438	HARNESS, MAIN WARNING LIGHTS	1
15	174439	HARNESS, REAR WARNING LIGHTS	1
16	2-102-010032	U-BOLT, 5/8 X 5-11/16 X 5-1/2	1
17	2-368-010287	HARNESS, STOR-AWAY	1
18	156970	BRACKET, LIGHT RH NC W/ REF **(21'-29') (ITEMS 21-23)**	1
18	194691	BRACKET, LIGHT RH WC W/ REF **(30'-36') (ITEMS 21-23)**	1
19	156971	BRACKET, LIGHT LH NC W/ REF **(21'-29') (ITEMS 21-23)**	1
19	194692	BRACKET, LIGHT LH WC W/ REF **(30'-36') (ITEMS 21-23)**	1
20	70260977	SMV EMBLEM	1
21	528933	REFLECTOR, RED	2
22	528934	REFLECTOR, YELLOW	2
23	528938	STRIPE, ORANGE	2

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Decals

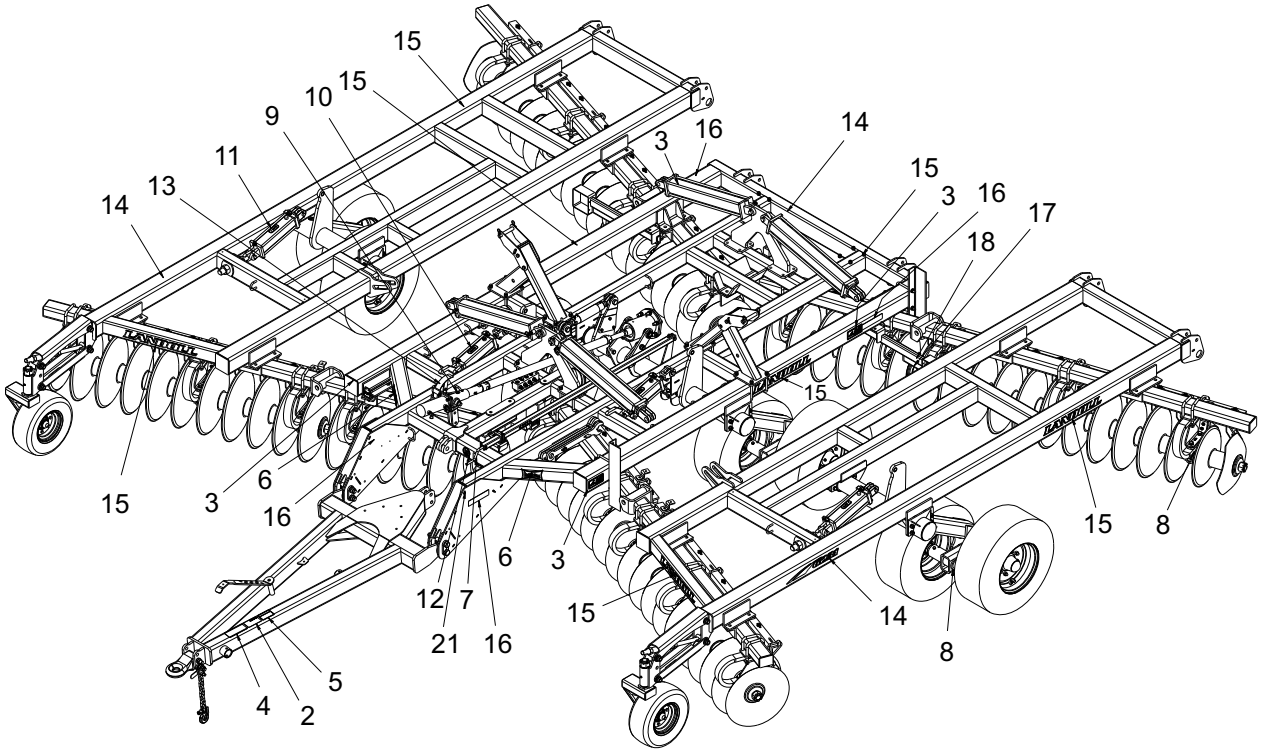
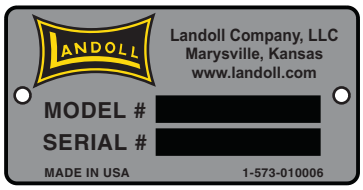


Figure 1-94: Decal Locations (1 of 2)

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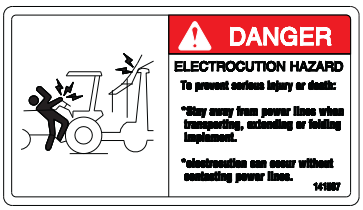
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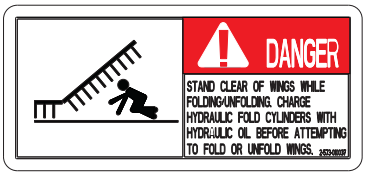
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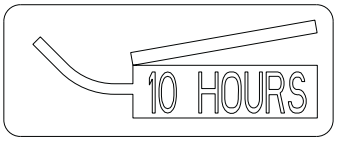
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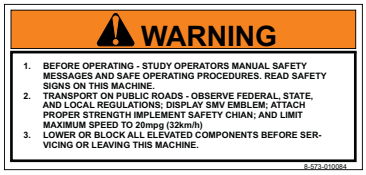
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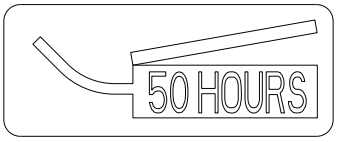
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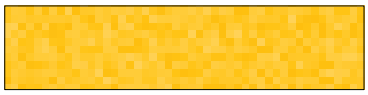
4



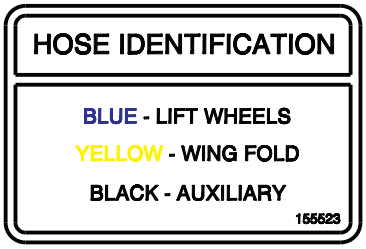
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Figure 1-95: Decal Arrangements (2 of 2)

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Decal Locations & Arrangements

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-573-010006	PLACARD, NAME	1
2	141597	DECAL, DANGER ELECTROCUTION	1
3	2-573-010037	DECAL, DANGER WING	2
4	8-573-010084	DECAL, WARNING BEFORE OPERATING	1
5	155523	DECAL, HOSE IDENTIFICATION	1
6	141259	DECAL, LANDOLL, YELLOW	2
7	2-573-010198	DECAL, MEMBER FEMA	1
8	2-573-010330-02	DECAL LUBRICATION 10 HOURS	1
9	2-573-010330-03	DECAL LUBRICATION 50 HOURS	1
10	2-573-010150	DECAL, MASTER	1
11	2-573-010149	DECAL, SLAVE	1
12	144193	DECAL, SIS, 20 MPH	1
13	141263	DECAL, LEVEL INDICATOR	1
14	192839	DECAL, MODEL 6231	3
15	141260	DECAL, LANDOLL	7
16	528934	REFLECTOR, YELLOW, 2 X 9	4
17	528933	REFLECTOR, RED, 2 X 9 **(SEE PAGE 1-157)**	4
18	528938	REFLECTOR, ORANGE, 2 X 9 **(SEE PAGE 1-157)**	4
19	156010	RIVET, BLIND .156 X 1/2 GRIP	1

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Document Control Revision Log:

Date	Revision	New/Updated	Improvement(s) Description and Comments
02/28/2017	F-833-0217	New	Initial Release
11/27/2018	F-833-1118	Updated	Walking beam revision & cylinders updated
05/22/2020	F-833-0520	Updated	Updated hub/spindle assembly, tire/wheel assembly, hydraulic reel manifolds.

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