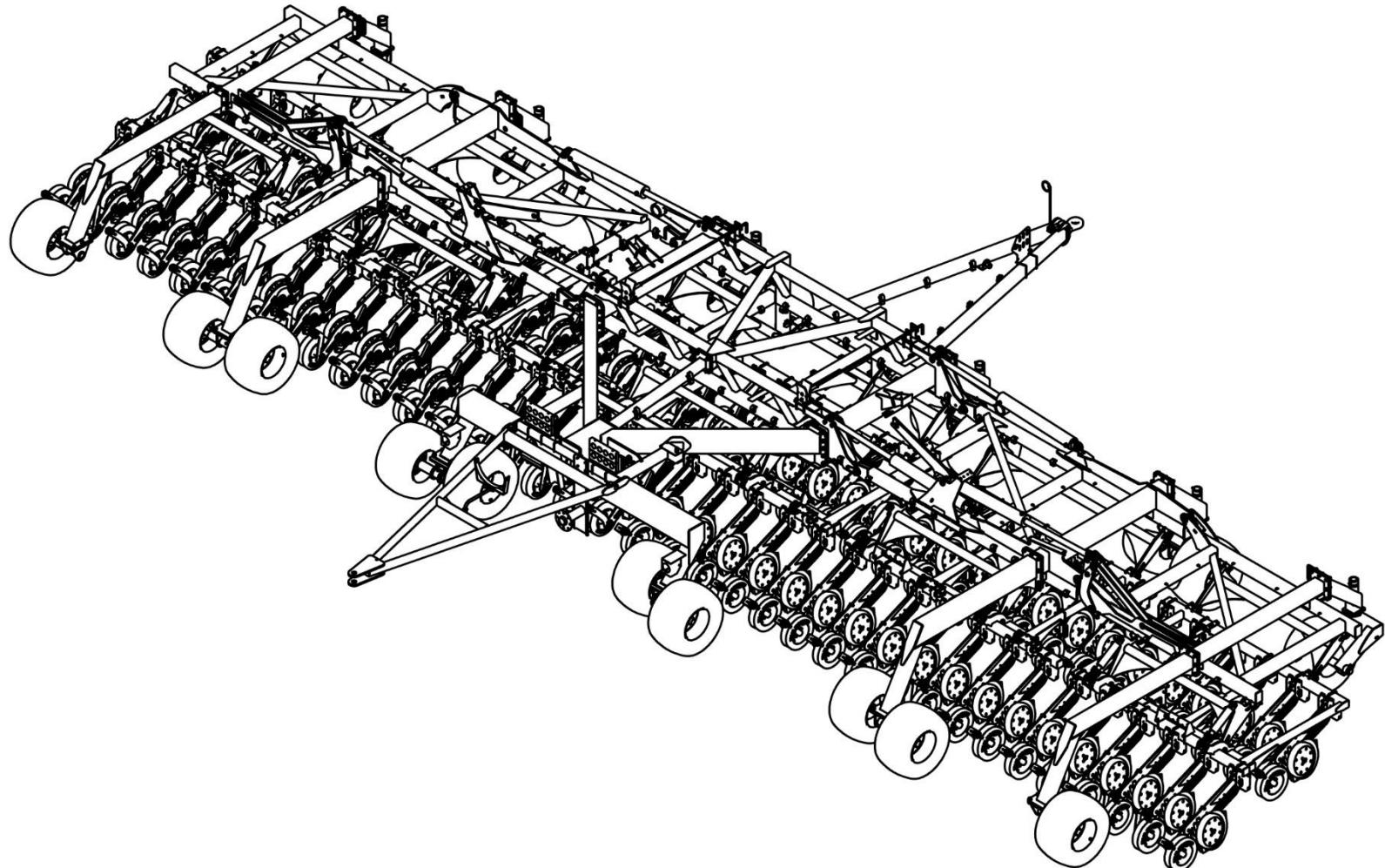


Pillar

Version 2.4



Parts Manual

Parts Manual

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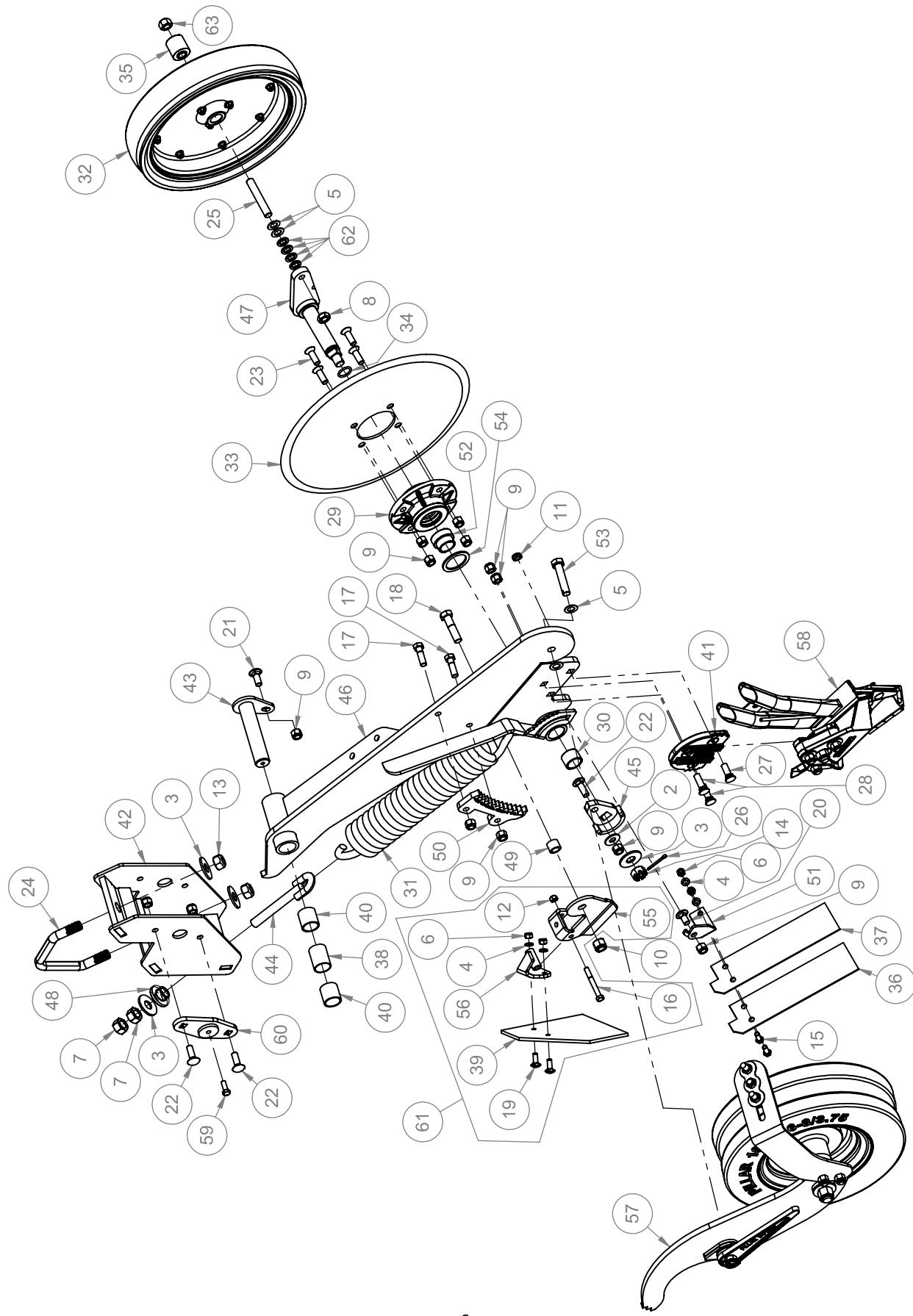
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Parts Diagrams

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Opener Assembly



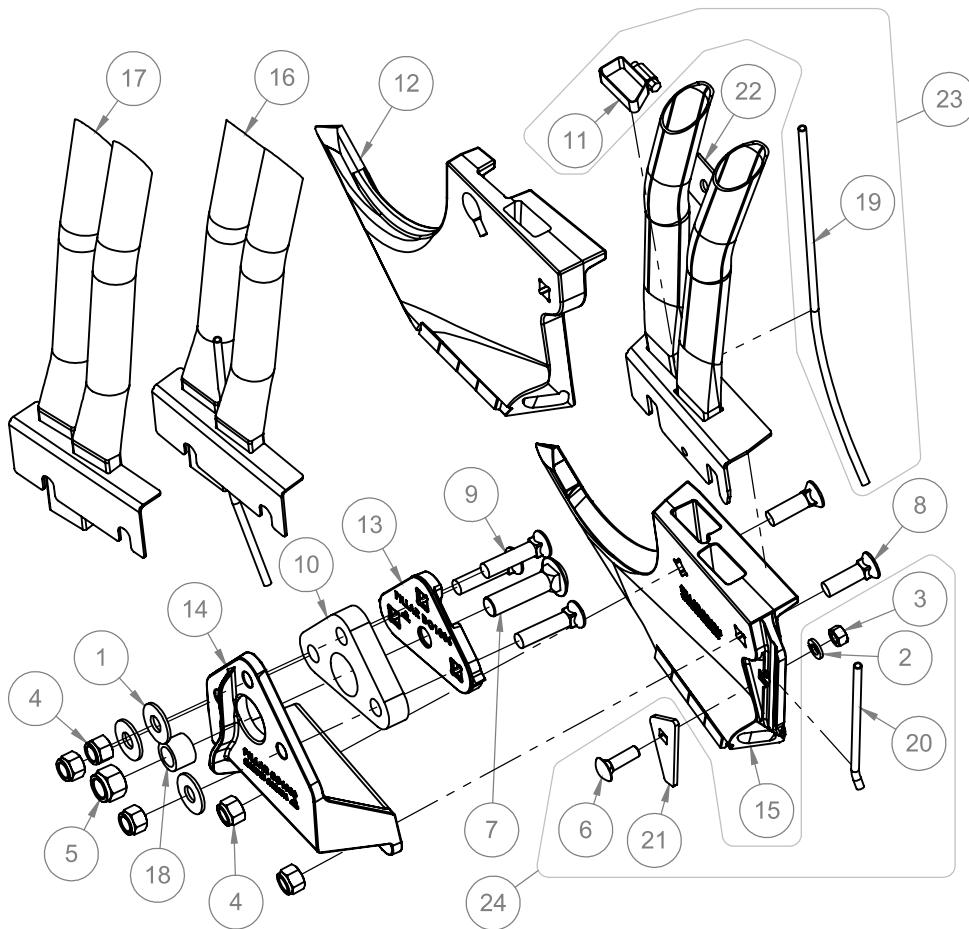
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Opener Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY	ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-003	WASHER 3/8 PLATED ASME WIDE	1	33	206-007	OPR, 18" x 5mm DISC	1
2	101-005	WASHER 1/2 PLATED ASME WIDE	1	34	206-009	OPR, NITRILE 70 DURO O-RING	1
3	101-008	WASHER 3/4 PLATED ASME WIDE	4	35	206-016	BEARING, Koyo DAC1640442RSCLCS16	1
4	103-003	WASHER, 3/8 SPLIT LOCK GR2 PL	2	36	206-021	UHMW SEED SKI, BLACK, 1/8"	1
5	104-001	WASHER, 5/8" ID x 1-1/8" OD x 18GA	2	37	206-022	GSM NYLON SEED SKI, BLACK, 1/8"	1
6	110-003	NUT, 3/8 UNC GR 2 PLATED	2	38	206-067	UHMW SPACER	1
7	110-008	NUT, 3/4 UNC GR 2 PLATED	2	39	206-068	TRASH SHIELD, HINGED	1
8	112-007	HJNUT 0.6250-11-D-N	1	40	212-010	BUSH., MAIN PIVOT, NYLATRON	2
9	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	10	41	214-008	CASTING, STAIRCASE BASE PL	1
10	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	42	400-1001 400-2001	4 x 4 FRONT MOUNT 7 x 7 FRONT MOUNT (NOT SHOWN)	1
11	116-005	LOCKNUT 1/2 UNC SHORT PLATED	1	43	400-1026 400-1002	MOUNT PIN WLDMT, TAPPED MOUNT PIN WLDMT (UNTAPPED)	1
12	118-003	STOVER NUT, 3/8 UNC GR 2 PLATED	1	44	400-1003	EYE BOLT WELDMNT	1
13	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	2	45	400-1007	CLNR WHL ADJ WLDMT	1
14	122-003	HSNUT 0.7500-16-D-N	1	46	400-1102 400-1004 400-1022 400-1118	PDO-RH MAIN FRAME PDO-LH MAIN FRAME (NOT SHOWN) PDO-LH HD MAIN FRAME (NOT SHOWN) PDO-RH HD MAIN FRAME (NOT SHOWN)	1
15	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2	47	405-1031 405-2031 405-1042 405-2042	SPINDLE, RH SPINDLE, LH (NOT SHOWN) SPINDLE, RH, NEW ADR HUB (NOT SHOWN) SPINDLE, LH, NEW ADR HUB (NOT SHOWN)	1
16	125-060	BOLT, 3/8 X 3 UNC GR5 PLATED	1	48	400-3001	SPRING MOUNT SHOULDER WASHER	1
17	125-104	BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2	49	400-3002	SPACER, SPRING/SCRAPER MOUNT	1
18	125-157	BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	50	400-3008 400-3006	PDO-RH ADJUSTMENT COMB PDO-LH ADJUSTMENT COMB (NOT SHOWN)	1
19	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PL	2	51	400-3034 400-3032	PDO-RH SEED SKI MOUNT BRKT PDO-LH SEED SKI MOUNT BRKT (NOT SHOWN)	1
20	145-101	CARR. BOLT, 1/2 X 1 UNC GR5 PL	1	52	400-3058	SEAL SURFACE	1
21	145-102	CARR. BOLT, 1/2 X 1-1/4 UNC GR5 PL	1	53	400-3062	PACKER ARM MOUNT BOLT	1
22	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PL	3	54	400-3145 400-3130	SPACER, DISC SEAL SURF., NEW OMEGA SPACER, DISC SEAL SURFACE	1
23	165-009	SCHSCREW 0.5-13x1.5x1.5-HX-N	4	55	400-3131 400-3133	RH HINGED TRASH SHIELD - BASE LH HINGED TRASH SHIELD - BASE (NOT SHOWN)	1
24	165-011	V-BOLT 4 X 4, 3/4-10 UNC	1	56	400-3132 400-3134	RH HINGED TRASH SHIELD MOUNT LH HINGED TRASH SHIELD MOUNT (NOT SHOWN)	1
25	165-018	5/8" UNC x 4" LG STUD, 1-1/4" THD EACH END	1	57	-	PACKER ASSEMBLY, SEE PGS. 11-13	1
26	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1	58	-	SEED BOOT ASSEMBLY, SEE PG. 8	1
27	175-001	PLOW BOLT, 1/2 X 1-1/2 UNC GR5 PL	1	59	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	1
28	175-002	PLOW BOLT, 1/2 X 1-3/4 UNC GR5 PL	2	60	400-1024 405-1007	PDO PIVOT PIN LOCK (3-15/16" C-C) OPENER PIVOT PIN LOCK (4-3/4" C-C)	1
29	206-076 206-061 206-014	DISC HUB ASSY, NEW ADR (NOT SHOWN), SEE PG. 23 ADR HUB, S47G2Z00001, SEE PG. 9 OLD - CTD HUB ASSY, SEE PG. 10	1	61	400-3144 400-3143	RH HINGED TRASH SHIELD KIT LH HINGED TRASH SHIELD KIT (NOT SHOWN)	1
30	206-003	BRASS BUSHING	1	62	105-001	WASHER, 5/8" ID x 1" OD x 0.125", YZ	4
31	206-004	SPRING	1	63	118-007	STOVER NUT, 5/8" UNC GR 2 PLATED	1
32	206-006	3" x 16" CLEANER WHEEL	1				

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Seed Boot Assembly

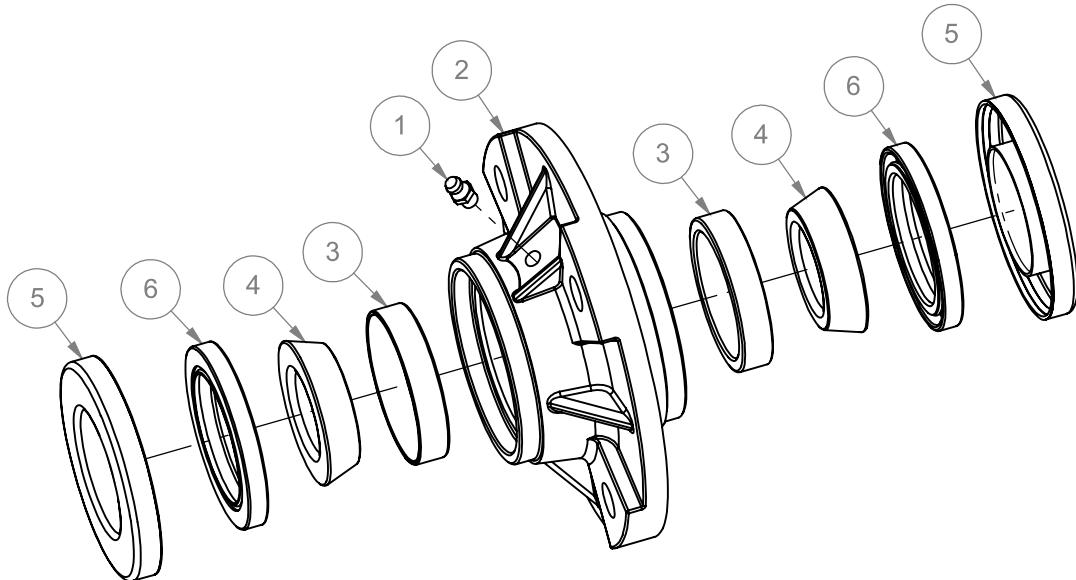


Seed Boot Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY	ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-005	WASHER 1/2 PLATED ASME WIDE	3	13	214-007	CASTING, STAIRCASE	1
2	103-003	WASHER, 3/8 SPLIT LOCK GR2 PLATED	1	14	214-009	CASTING, LH SCRAPER MOUNT (NOT SHOWN)	1
3	110-003	NUT, 3/8 UNC GR 2 PLATED	1	214-010	CASTING, RH SCRAPER MOUNT		
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	5	214-012	CASTING, RH LOW DISTURB.		
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	214-011	CASTING, LH LOW DISTURB. (NOT SHOWN)	1	
6	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PL.	1	400-1110	ORIG. STYLE SEED/FERT. TUBES, W/ LIQUID, RH		
7	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PL.	1	400-1011	ORIG. STYLE SEED/FERT. TUBES, W/ LIQUID, LH (NOT SHOWN)	1	
8	175-002	PLOW BOLT, 1/2 X 1-3/4 UNC GR5 PL.	2	400-1114	ORIG. STYLE SEED/FERT. TUBES, RH		
9	175-011	PLOW BOLT, 1/2 X 2-1/4 UNC GR8 PL.	3	400-1013	ORIG. STYLE SEED/FERT. TUBES, LH (NOT SHOWN)	1	
10	206-020	OPR, URETHANE ADJUSTMENT PUCK	1	18	400-3002	SPACER, SPRING/SCRAPER MOUNT	1
11	212-048	#16 SS HOSE CLAMP	1	19	400-3088	LIQUID FERTILIZER TUBE, FRONT	1
12	214-002 214-001	ORIG. STYLE SEED BOOT, RH ORIG. STYLE SEED BOOT, LH (NOT SHOWN)	1	20	400-3102	LIQUID PHOSPHATE TUBE, BACK	1
				21	400-3103	LIQUID PHOSPHATE TUBE CLAMP	1
				22	400-3126 400-3128	SEED/FERT. TUBE, RH SEED/FERT. TUBE, LH (NOT SHOWN)	1
				23	400-3140	LIQUID FERTILIZER KIT	1
				24	400-3141	LIQUID PHOSPHATE KIT	1

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ADR Disc Hub Assembly

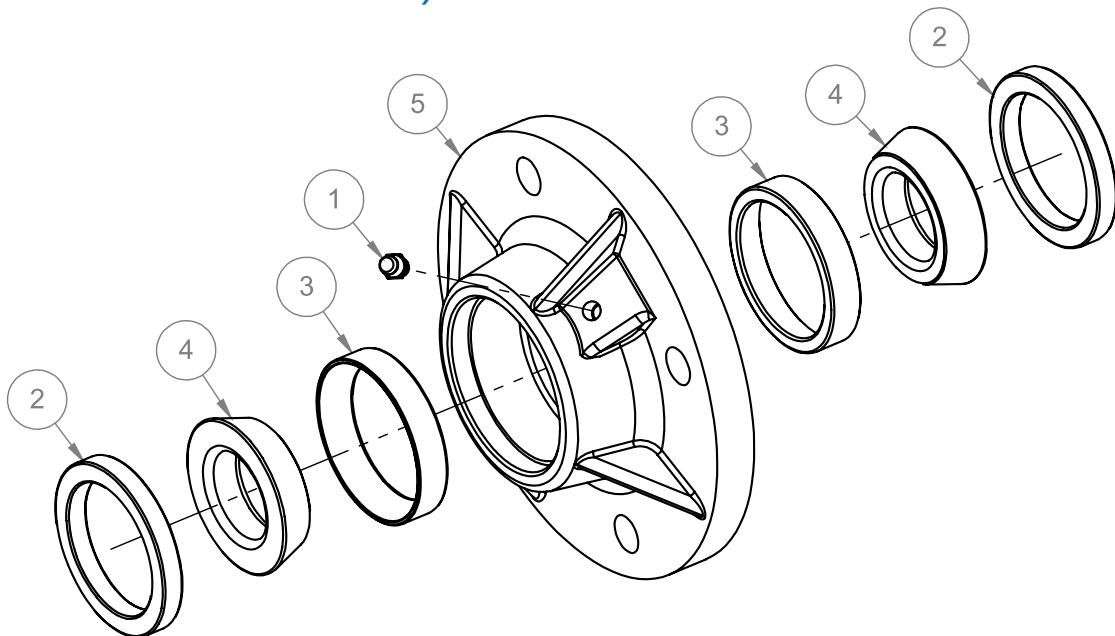


ADR Disc Hub Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	206-061	COMPLETE ADR HUB ASSEMBLY	1
-	206-060	BEARING & SEAL KIT – CONTAINS 2 EACH OF ITEM 3, 4, 6	1
1	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
2	206-010	ADR HUB, 4 BOLT	1
3	206-011	BEARING CUP, LM67010	2
4	206-012	BEARING CONE, LM67048	2
5	206-036	SEAL GUARD (GRASS SHIELD)	2
6	206-059	HUB SEAL 507008DL	2

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Old – CTD Disc Hub Assembly

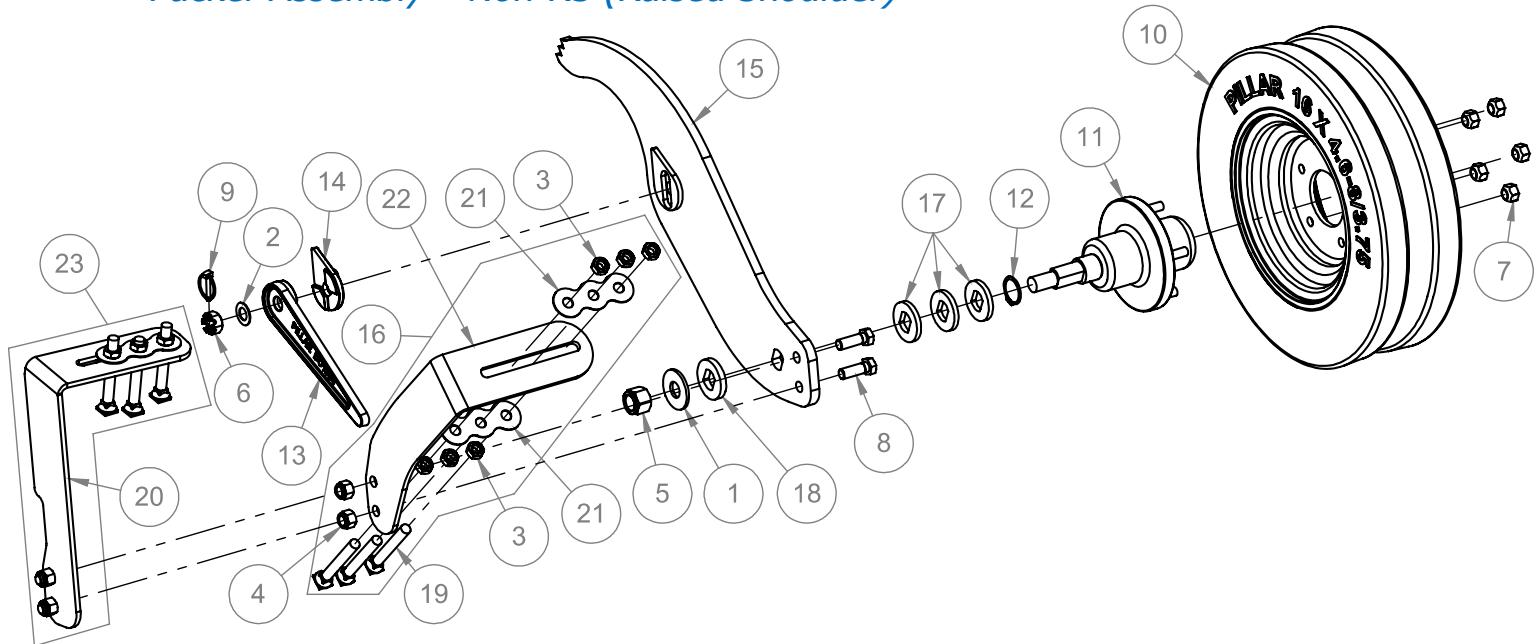


Old – CTD Disc Hub Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	206-014	COMPLETE CTD HUB ASSEMBLY	1
-	206-015	BEARING & SEAL KIT – CONTAINS 2 EACH OF ITEM 2, 3, 4	1
1	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
2	206-008	DUST SEAL, CTD HUB, OS48628DL	2
3	206-011	BEARING CUP, LM67011	2
4	206-012	BEARING CONE, LM67048	2
5	In assembly only	CTD DISC HUB	1

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Packer Assembly – Non-RS (Raised Shoulder)

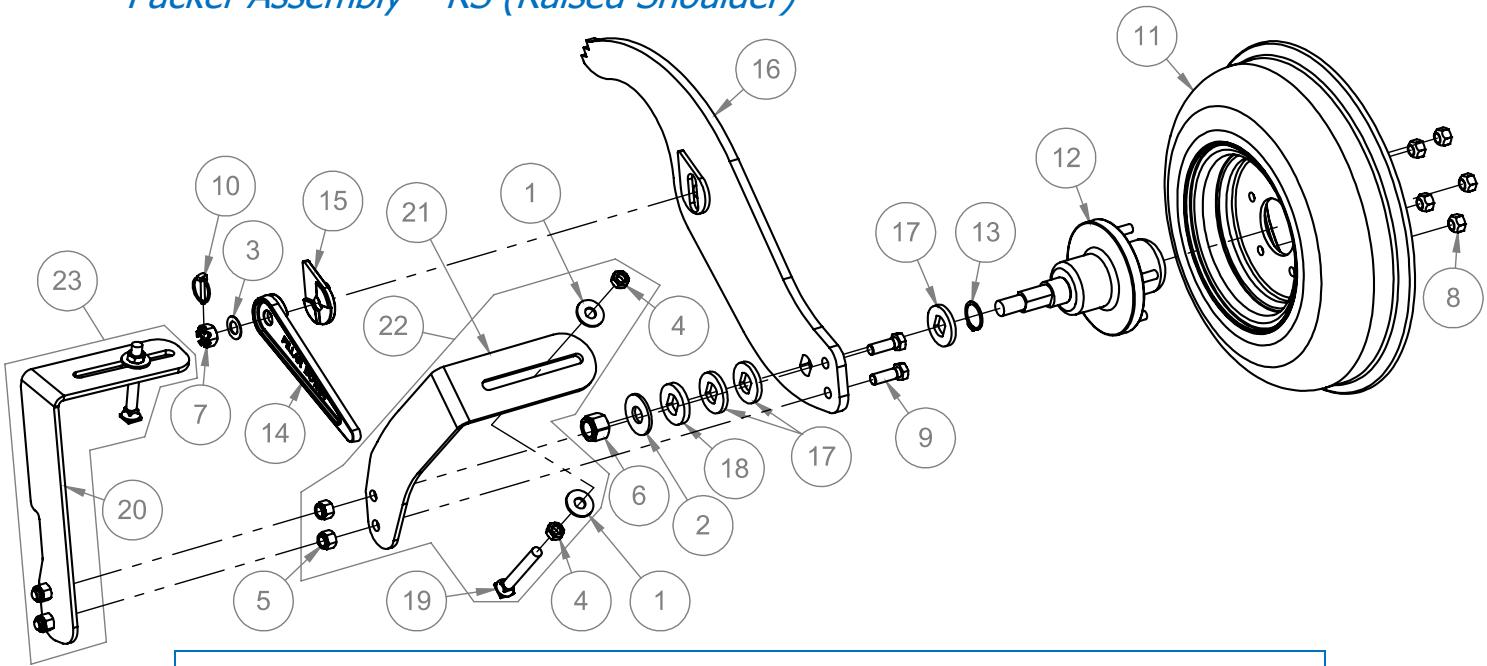


Packer Assembly – Non-RS (Raised Shoulder)

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-008	WASHER 3/4 PLATED ASME WIDE	1
2	104-001	WASHER, 5/8" ID x 1-1/8" OD x 18GA	1
3	112-005	JAM NUT, 1/2" UNC GR 2 YZ	6
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
5	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1
6	122-002	CASTLE NUT, 5/8" UNF GR 2 YZ	1
7	123-001	WHEEL NUT, 1/2" UNF (ADR #573Z121)	5
8	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
9	170-051	LYNCH PIN, 3/16 x 1-1/4"	1
10	206-023 206-024	DBLE SHOULDER TIRE 16 X 4.6-8/3.75 AND WHEEL CARLISLE SMOOTH TIRE & WHEEL (NOT SHOWN)	1
11	206-033	HUB, S32E5Z00003-E, SEE PG. 14	1
12	206-048	1-1/4" STANDARD SNAP RING	1
13	214-003 214-005	CAM LOCK LEVER, LH (NOT SHOWN) CAM LOCK LEVER, RH	1
14	214-004 214-006	CAM LOCK INSERT, LH (NOT SHOWN) CAM LOCK INSERT, RH	1
15	400-1017 400-1116	PDO-LH PACKER ARM, STR (NOT SHOWN) PDO-RH PACKER ARM, STR	1
16	400-3068 400-3070	LH 4x16 STD MUD SCRAPER KIT (NOT SHOWN) RH 4x16 STD MUD SCRAPER KIT	1
17	400-3072	SPINDLE SPACER, 1/4"	3
18	400-3074	SPINDLE SPACER, 5/16"	1
19	400-3076	MUD SCRPR BOLT W/ CARBIDE	3
20	400-3078 400-3080	PDO-LH 4x16 OFST SCRPR BRKT (NOT SHOWN) PDO-RH 4x16 OFST SCRPR BRKT	1
21	400-3082	WASHER, 3 HOLE	2
22	400-3098 400-3100	PDO-LH 4x16 STD SCRPR BRKT (NOT SHOWN) PDO-RH 4x16 STD SCRPR BRKT	1
23	400-3104 400-3106	LH 4x16 OFFSET MUD SCRAPER KIT (NOT SHOWN) RH 4x16 OFFSET MUD SCRAPER KIT	1

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Packer Assembly – RS (Raised Shoulder)

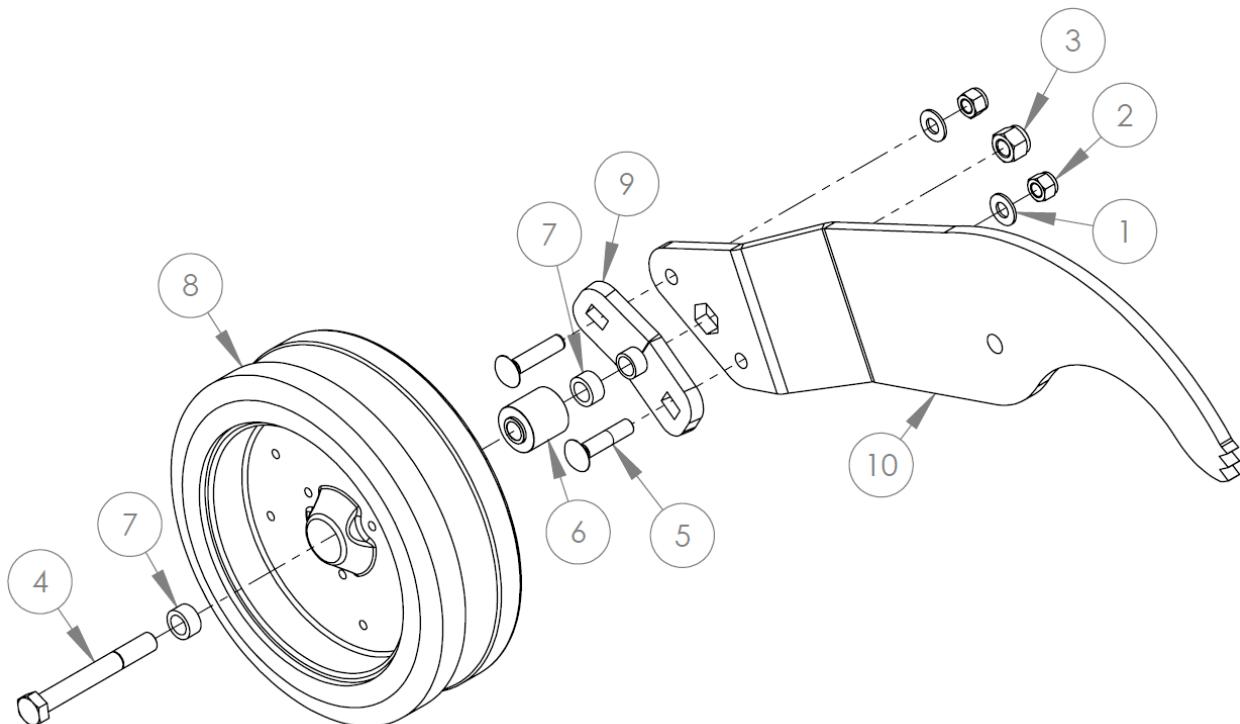


Packer Assembly – RS (Raised Shoulder)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-005	WASHER, 1/2 PLATED ASME WIDE	2
2	101-008	WASHER, 3/4 PLATED ASME WIDE	1
3	104-001	WASHER, 5/8" ID x 1-1/8" OD x 18GA	1
4	112-005	JAM NUT, 1/2" UNC GR 2 YZ	2
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
6	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1
7	122-002	CASTLE NUT, 5/8" UNF GR 2 YZ	1
8	123-001	WHEEL NUT, 1/2" UNF (ADR #573Z121)	5
9	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
10	170-051	LYNCH PIN, 3/16 x 1-1/4"	1
11	206-058	RAISED SHOULDER (RS) PACKER WHEEL	1
12	206-033	HUB, S32E5Z00003-E, SEE PG. 14	1
13	206-048	1-1/4" STANDARD SNAP RING	1
14	214-003 214-005	CAM LOCK LEVER, LH (NOT SHOWN) CAM LOCK LEVER, RH	1
15	214-004 214-006	CAM LOCK INSERT, LH (NOT SHOWN) CAM LOCK INSERT, RH	1
16	400-1017 400-1116	PDO-LH PACKER ARM, STR (NOT SHOWN) PDO-RH PACKER ARM, STR	1
17	400-3072	SPINDLE SPACER, 1/4"	3
18	400-3074	SPINDLE SPACER, 5/16"	1
19	400-3076	MUD SCRPR BOLT W/ CARBIDE	1
20	400-3078 400-3080	PDO-LH 4x16 OFST SCRPR BRKT (NOT SHOWN) PDO-RH 4x16 OFST SCRPR BRKT	1
21	400-3098 400-3100	PDO-LH 4x16 STD SCRPR BRKT (NOT SHOWN) PDO-RH 4x16 STD SCRPR BRKT	1
22	400-3160 400-3161	LH STD RS MUD SCRAPER KIT (NOT SHOWN) RH STD RS MUD SCRAPER KIT	1
23	400-3162 400-3163	LH OFFSET RS MUD SCRAPER KIT (NOT SHOWN) RH OFFSET RS MUD SCRAPER KIT	1

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Older Style Packer Assembly

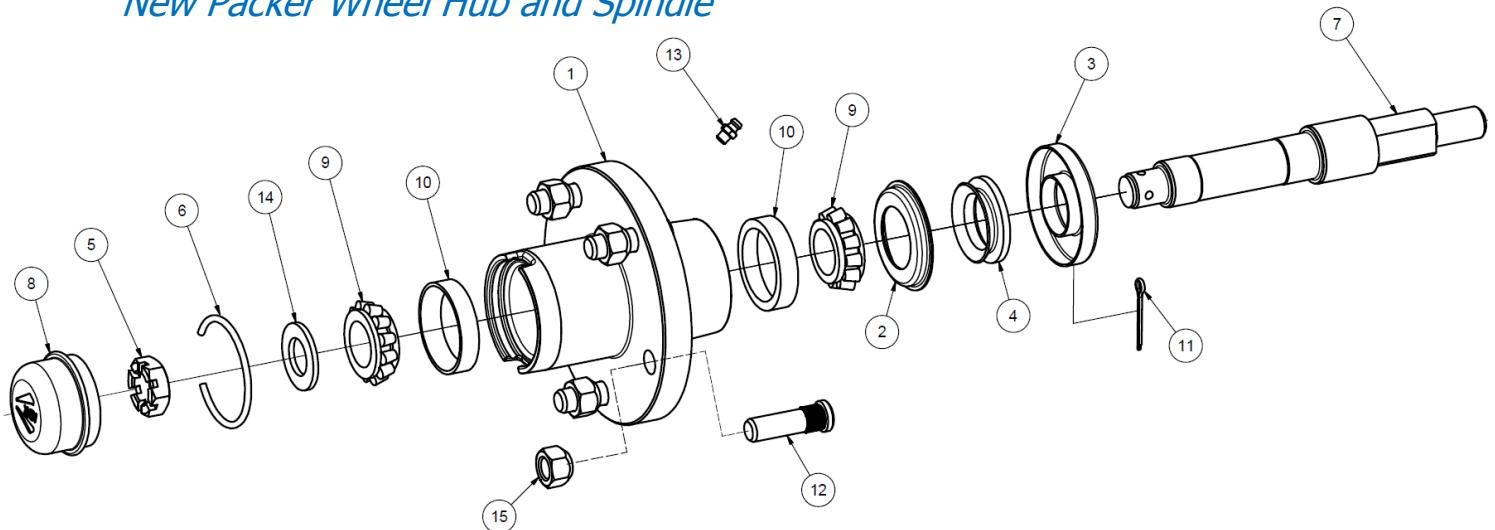


Older Style Packer Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-005	WASHER 1/2 PLATED SAE	2
2	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
3	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1
4	125-167	BOLT, 5/8 X 5 UNC GR5 PLATED	1
5	150-106	CARR. BOLT, 1/2 X 2-1/4 UNC GR8 PLATED	2
6	206-016	Koyo DAC1640442RSLCS16	1
7	MP20310	SPACER FOR PACKER WHEEL	2
8	206-023 206-024 206-058	DBLE SHOULDER TIRE 16 X 4.6-8/3.75 AND WHEEL CARLISLE SMOOTH PACKER WHEEL (NOT SHOWN) RAISED SHOULDER (RS) PACKER WHEEL (NOT SHOWN)	1
9	PDO-209	PACKER WHEEL ADJUSTER	1
10	PDO-208R PDO-208L	RH PACKER ARM, BENT LH PACKER ARM, BENT (NOT SHOWN)	1

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New Packer Wheel Hub and Spindle



New Packer Wheel Hub and Spindle

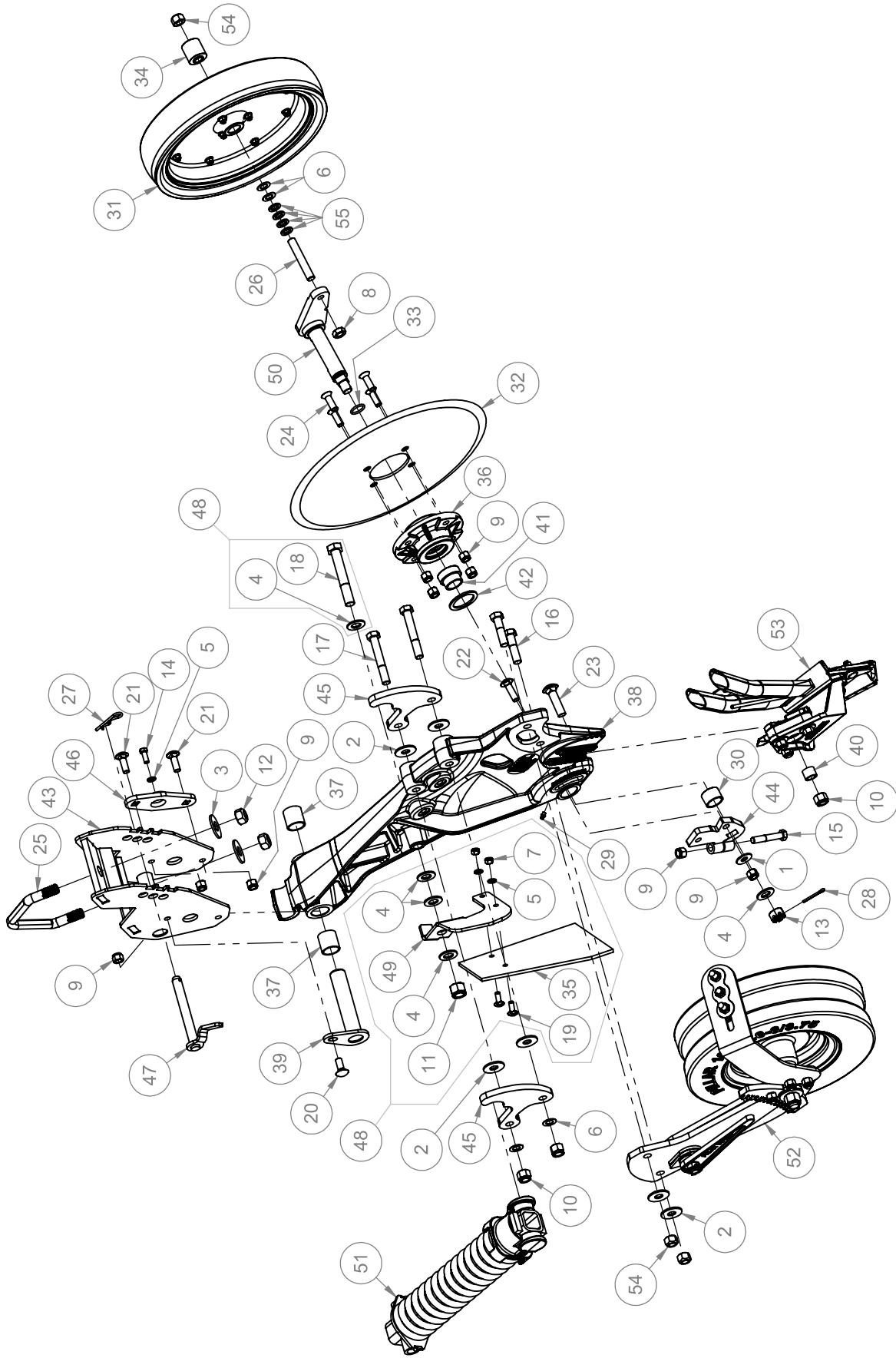
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	206-033	COMPLETE PACKER HUB/SPINDLE ASSEMBLY	1
1	206-032	5 – BOLT PACKER WHEEL HUB, ADR H05 1/2", 61LZE4001	1
2	206-038	INNER SEAL SURFACE	1
3	206-042	OUTER SEAL SURFACE (GRASS SHIELD)	1
4	206-043	RUBBER "V" SEAL	1
5	122-003	3/4" UNF CASTLE NUT	1
6	206-044	LOCK RING, DUST CAP	1
7	206-031	SPINDLE, PILLAR PACKER WHEEL	1
8	206-045	ADR DUST CAP	1
9	206-046	BEARING CONE, KL44643	2
10	206-047	BEARING CUP, KL44610	2
11	170-076	COTTER PIN 3.2mm x 25mm	1
12	165-001	1/2" – 20 UNF STUD	5
13	180-001	GREASE FITTING M06 x 1.00	1
14	101-008	WASHER, M20	1
15	123-001	1/2" – 20 UNF WHEEL NUT	5

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Notes

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MKIII Opener Assembly



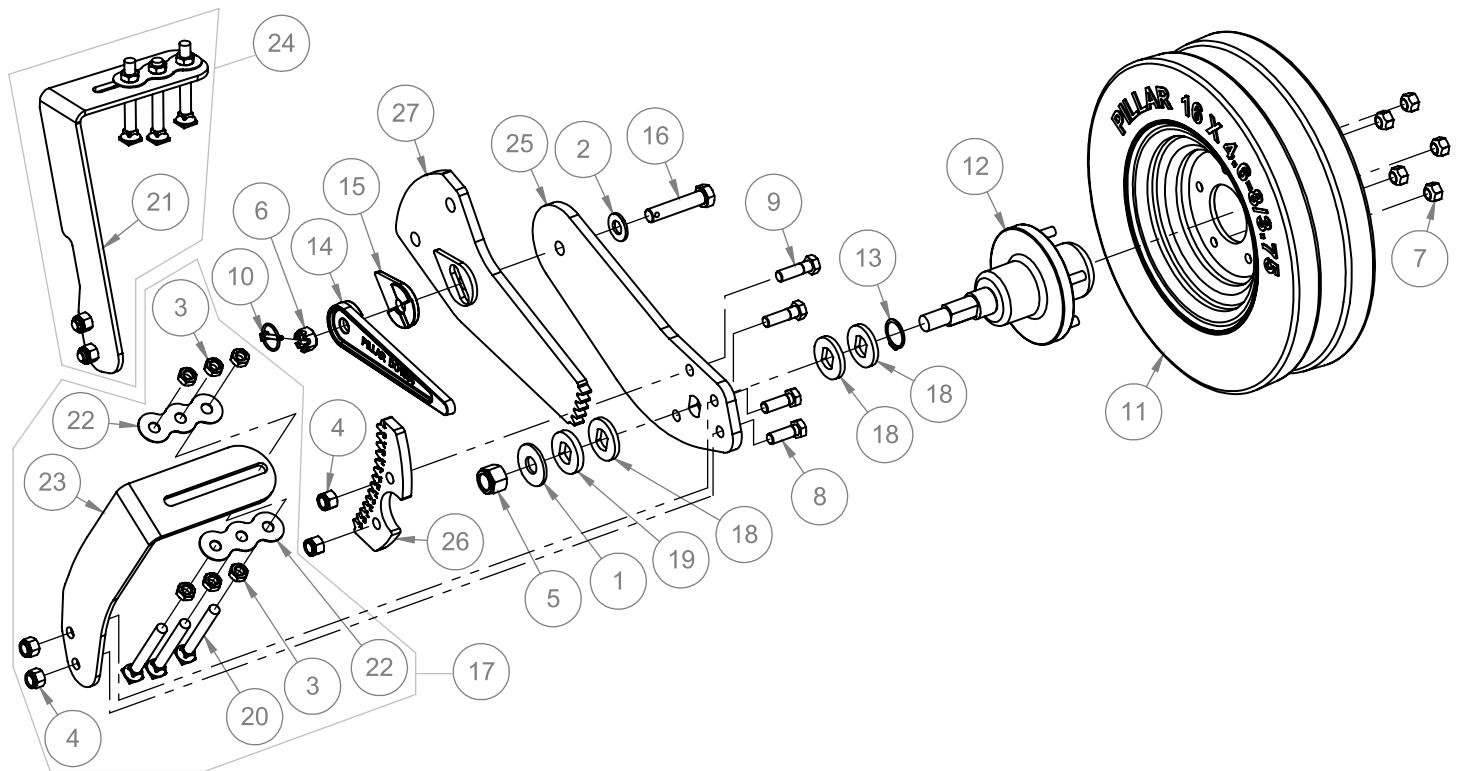
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MKIII Opener Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY	ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-005	WASHER, 1/2 PLATED ASME WIDE	1	29	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
2	101-007	WASHER, 5/8 PLATED ASME WIDE	8	30	206-003	BRASS BUSHING	1
3	101-008	WASHER, 3/4 PLATED ASME WIDE	2	31	206-006	3" x 16" CLEANER WHEEL	1
4	102-008	WASHER, 3/4 PLATED SAE	5	32	206-007	OPR, 18" x 5mm DISC	1
5	103-003	WASHER, 3/8 SPLIT LOCK GR2 PL.	3	33	206-009	OPR, NITRILE 70 DURO O-RING	1
6	104-001	WASHER, 5/8" ID x 1-1/8" OD x 18GA	4	34	206-016	BEARING, Koyo DAC1640442RSCLCS16	1
7	110-003	NUT, 3/8 UNC GR 2 PLATED	2	35	206-071	TRASH SHIELD, HINGED, COMP. OPENER	1
8	112-007	HJNUT 0.6250-11-D-N	1	36	206-061 206-076	ADR HUB, S47G2Z00001, SEE PG. 9 DISC HUB ASSY, NEW ADR (NOT SHOWN), SEE PG. 23	1
9	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	9	37	212-010	BUSH., MAIN PIVOT, NYLATRON	2
10	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	38	214-013 214-014	OPENER FRAME, LEFT, MACHINED (NOT SHOWN) OPENER FRAME, RIGHT, MACHINED	1
11	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1	39	400-1026	MOUNT PIN, TAPPED	1
12	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	2	40	400-3002	PDO-SPRING MOUNT SPACER	1
13	122-003	HSNUT 0.7500-16-D-N	1	41	400-3058	SEAL SURFACE	1
14	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	1	42	400-3130 400-3145	SPACER, DISC SEAL SURFACE SPACER, DISC SEAL SURF., NEW OMEGA	1
15	125-109	BOLT, 1/2 X 3 UNC GR5 PLATED	1	43	405-1001	FRAME MOUNT, 4 X 4	1
16	130-157	BOLT, 5/8 X 2-1/2 UNC GR8 PLATED	2	44	405-1003 405-2003	DEPTH INDICATOR MOUNT, RH DEPTH INDICATOR MOUNT, LH (NOT SHOWN)	1
17	125-164	BOLT, 5/8 X 4-1/4 UNC GR5 PLATED	2	45	405-1005	TRUNNION RECEIVER	2
18	125-192	BOLT, 3/4 X 5 UNC GR5 PLATED	1	46	405-1007	OPENER PIVOT PIN LOCK	1
19	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PL.	2	47	405-1021	PIN, SPRING PRESSURE ADJUST	1
20	145-102	CARR. BOLT, 1/2 X 1-1/4 UNC GR5 PL.	1	48	405-1022 405-2022	HINGED TRASH SHIELD KIT, RH HINGED TRASH SHIELD KIT, LH (NOT SHOWN)	1
21	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PL.	2	49	405-1023 405-2023	HINGED TRASH SHIELD MOUNT, RH HINGED TRASH SHIELD MOUNT, LH (NOT SHOWN)	1
22	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PL.	1	50	405-1031 405-2031 405-1042 405-2042	SPINDLE, RH SPINDLE, LH (NOT SHOWN) SPINDLE, RH, NEW ADR HUB (NOT SHOWN) SPINDLE, LH, NEW ADR HUB (NOT SHOWN)	1
23	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PL.	1	51	405-1032	HSS SPRING CARTRIDGE ASSEMBLY, SEE PG. 22	1
24	165-009	SCHSCREW 0.5-13x1.5x1.5-HX-N	4	52	-	COMPRESSION OPENER PACKER ASSEMBLY, SEE PGS. 18-21	1
25	165-011	V-BOLT 4 X 4, 3/4-10 UNC	1	53	-	SEED BOOT ASSEMBLY, SEE PG. 8	1
26	165-018	5/8" UNC x 4" LG STUD, 1-3/8" THD EACH END	1	54	119-032	STOVER NUT, 5/8" UNC GR C PLATED	3
27	175-008 170-051	HAIR PIN, #10 5/32 X 2-15/16 PREV: LYNCH PIN, 3/16 x 1-1/4"	1	55	105-001	WASHER, 5/8" ID x 1" OD x 0.125", YZ	4
28	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1				

Parts Manual

MKIII Opener Packer Assembly – Non-RS (Raised Shoulder)

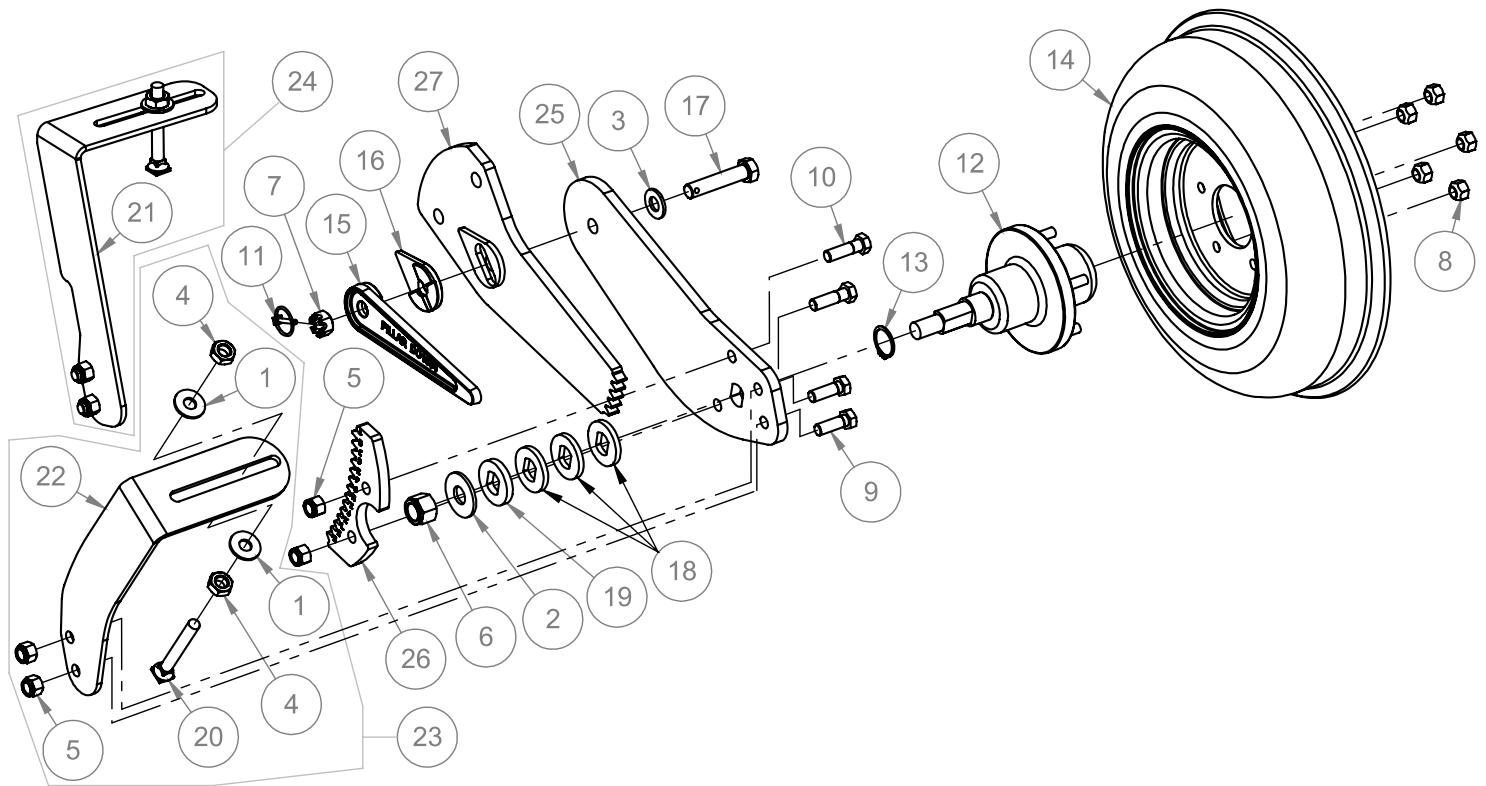


Parts Manual

<i>MKIII Opener Packer Assembly – Non-RS (Raised Shoulder)</i>			
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-008	WASHER 3/4 PLATED ASME WIDE	1
2	102-007	WASHER, 5/8 PLATED SAE	1
3	112-005	HJNUT 0.5000-13-D-N	6
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	4
5	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1
6	122-002	HSNUT 0.6250-18-D-N	1
7	123-001	WHEEL NUT, 1/2" UNF (ADR #573Z121)	5
8	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
9	125-104	BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
10	170-051	LYNCH PIN, 3/16 x 1-1/4"	1
11	206-023	DBLE SHOULDER TIRE 16 X 4.6-8/3.75 AND WHEEL	
	206-024	CARLISLE SMOOTH TIRE & WHEEL (NOT SHOWN)	1
12	206-033	HUB, S32E5Z00003-E, SEE PG. 14	1
13	206-048	1-1/4" STANDARD SNAP RING	1
14	214-005	CAM LOCK LEVER, RH	
	214-003	CAM LOCK LEVER, LH (NOT SHOWN)	1
15	214-006	CAM LOCK INSERT, RH	
	214-004	CAM LOCK INSERT, LH (NOT SHOWN)	1
16	400-3062	PACKER ARM MOUNT BOLT	1
17	400-3068	LH 4x16 STD MUD SCRAPER KIT (NOT SHOWN)	
	400-3070	RH 4x16 STD MUD SCRAPER KIT	1
18	400-3072	SPINDLE SPACER, 1/4"	3
19	400-3074	SPINDLE SPACER, 5/16"	1
20	400-3076	MUD SCRAPER BOLT W/ CARBIDE	3
21	400-3078	LH 4x16 OFFSET SCRAPER BRKT (NOT SHOWN)	
	400-3080	RH 4x16 OFFSET SCRAPER BRKT	1
22	400-3082	WASHER, 3 HOLE	4
23	400-3098	LH 4x16 STD SCRAPER BRKT (NOT SHOWN)	
	400-3100	RH 4x16 STD SCRAPER BRKT	1
24	400-3104	LH 4x16 OFFSET MUD SCRAPER KIT (NOT SHOWN)	
	400-3106	RH 4x16 OFFSET MUD SCRAPER KIT	1
25	405-1025	PACKER ARM	1
26	405-1027	COMB, PACKER ARM, RH	
	405-2027	COMB, PACKER ARM, LH (NOT SHOWN)	1
27	405-1029	PACKER LOCK ARM, RIGHT	
	405-2029	PACKER LOCK ARM, LEFT (NOT SHOWN)	1

Parts Manual

MKIII Opener Packer Assembly – RS (Raised Shoulder)

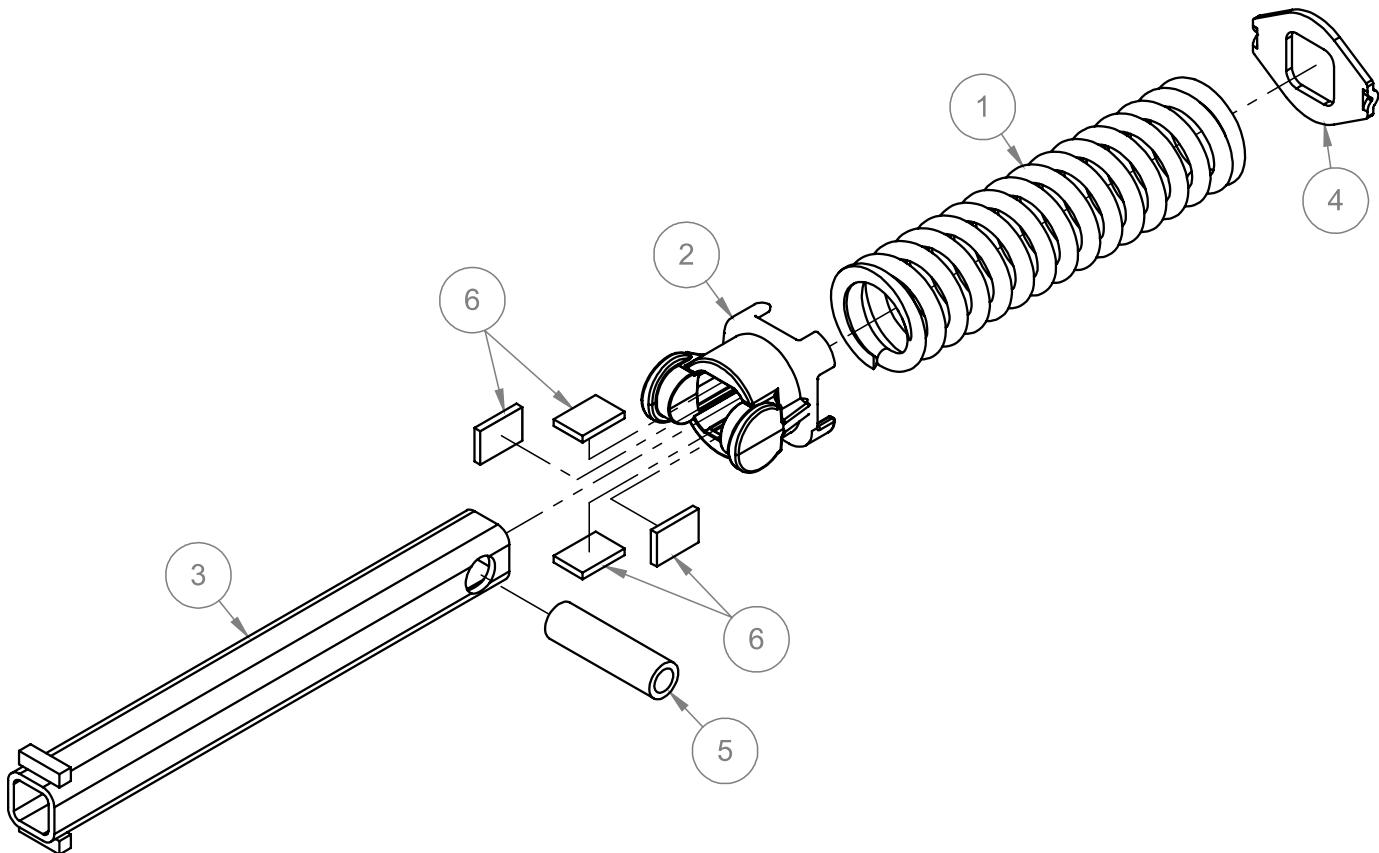


Parts Manual

<i>MKIII Opener Packer Assembly – RS (Raised Shoulder)</i>			
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	101-005	WASHER 1/2 PLATED ASME WIDE	2
2	101-008	WASHER 3/4 PLATED ASME WIDE	1
3	102-007	WASHER, 5/8 PLATED SAE	1
4	112-005	HJNUT 0.5000-13-D-N	2
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	4
6	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1
7	122-002	HSNUT 0.6250-18-D-N	1
8	123-001	WHEEL NUT, 1/2" UNF (ADR #573Z121)	5
9	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
10	125-104	BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
11	170-051	LYNCH PIN, 3/16 x 1-1/4"	1
12	206-033	HUB, S32E5Z00003-E, SEE PG. 14	1
13	206-048	1-1/4" STANDARD SNAP RING	1
14	206-058	RAISED SHOULDER WHEEL & RUBBER	1
15	214-005 214-003	CAM LOCK LEVER, RH CAM LOCK LEVER, LH (NOT SHOWN)	1
16	214-006 214-004	CAM LOCK INSERT, RH CAM LOCK INSERT, LH (NOT SHOWN)	1
17	400-3062	PACKER ARM MOUNT BOLT	1
18	400-3072	SPINDLE SPACER, 1/4"	3
19	400-3074	SPINDLE SPACER, 5/16"	1
20	400-3076	MUD SCRAPER BOLT W/ CARBIDE	1
21	400-3078 400-3080	LH 4x16 OFFSET SCRAPER BRKT (NOT SHOWN) RH 4x16 OFFSET SCRAPER BRKT	1
22	400-3098 400-3100	LH 4x16 STD SCRAPER BRKT (NOT SHOWN) RH 4x16 STD SCRAPER BRKT	1
23	400-3160 400-3161	LH STD RS MUD SCRAPER KIT (NOT SHOWN) RH STD RS MUD SCRAPER KIT	1
24	400-3162 400-3163	LH OFFSET RS MUD SCRAPER KIT (NOT SHOWN) RH OFFSET RS MUD SCRAPER KIT	1
25	405-1025	PACKER ARM	1
26	405-1027 405-2027	COMB, PACKER ARM, RH COMB, PACKER ARM, LH (NOT SHOWN)	1
27	405-1029 405-2029	PACKER LOCK ARM, RIGHT PACKER LOCK ARM, LEFT (NOT SHOWN)	1

Parts Manual

MKIII HSS Spring Cartridge Assembly

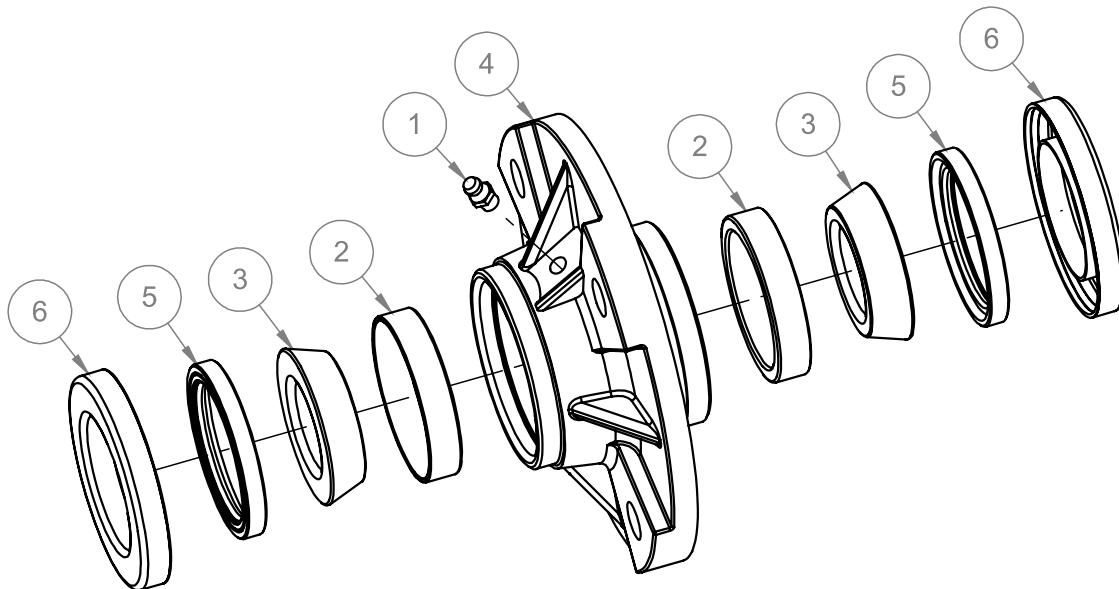


MKIII HSS Spring Cartridge Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	206-051	COMP SPRING, 9/16 WIRE, 3.125" PD, 19" FL	1
2	214-017 405-1034	CASTING, HSS TRUNNION SLIDER PREVIOUSLY: HSS TRUNNION SLIDER (NOT SHOWN)	1
3	405-1033	HSS SPRING GUIDE	1
4	405-1035	STATIC SPRING ENDPLATE	1
5	405-1036	FRONT MOUNT, HSS SPRING CARTRIDGE	1
6	405-1040 405-1038 405-1039	WEAR INSERT, CAST TRUNNION PREVIOUSLY: 1 OF 3/16" WEAR INSERT, HSS SPRING PACK & 1 OF 1/4" WEAR INSERT, HSS SPRING PACK (NOT SHOWN)	4 1 1

Parts Manual

Disc Hub Assembly, New ADR

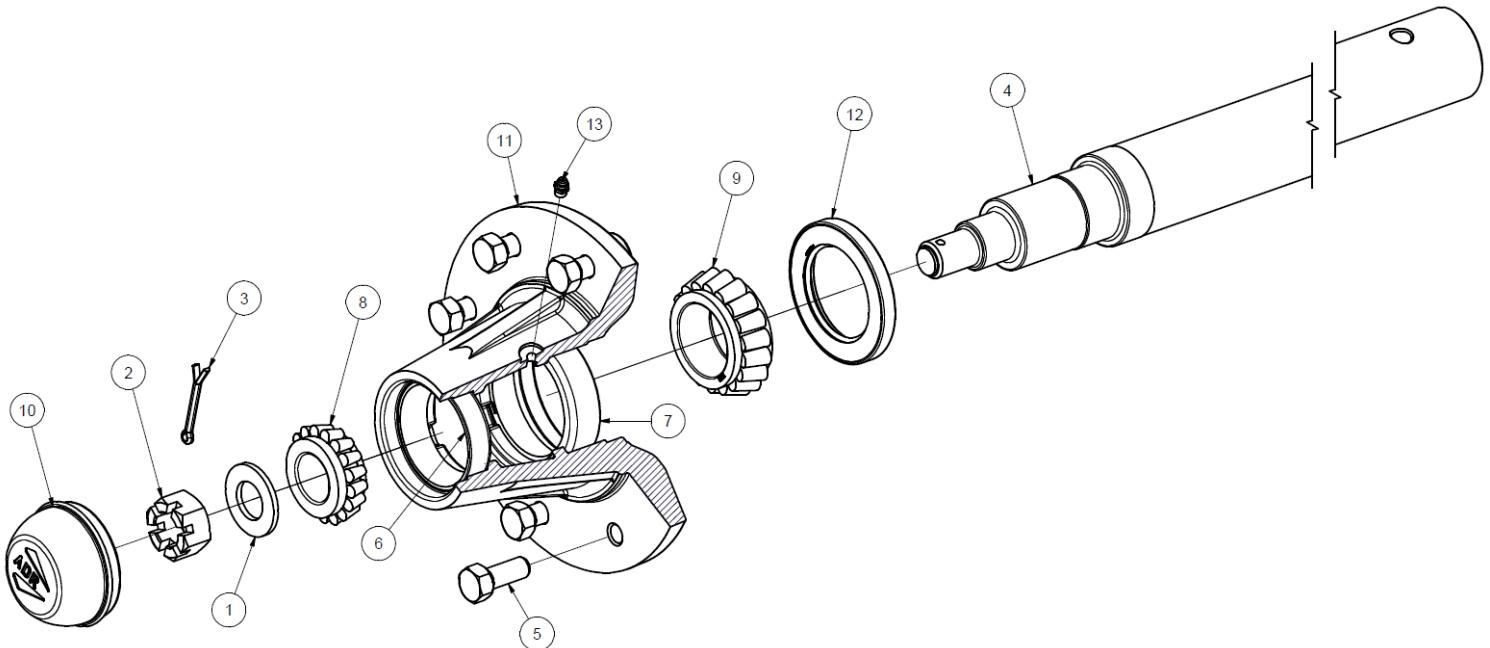


Disc Hub Assembly, New ADR

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	206-076	COMPLETE NEW ADR HUB ASSEMBLY	1
-	206-078	BEARING & SEAL KIT – CONTAINS 2 EACH OF ITEM 2, 3, 5	1
1	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
2	206-011	BEARING CUP, LM67010	2
3	206-012	BEARING CONE, LM67048	2
4	206-077	ADR HUB, 4 BOLT, REVISED FOR GRASS SHIELD CLEARANCE	1
5	206-079	OIL SEAL - NEW ADR HUB	2
6	206-080	SEAL GUARD (GRASS SHIELD) NEW ADR HUB	2

Parts Manual

6,000 lb Wheel Hubs (Various Spindles)

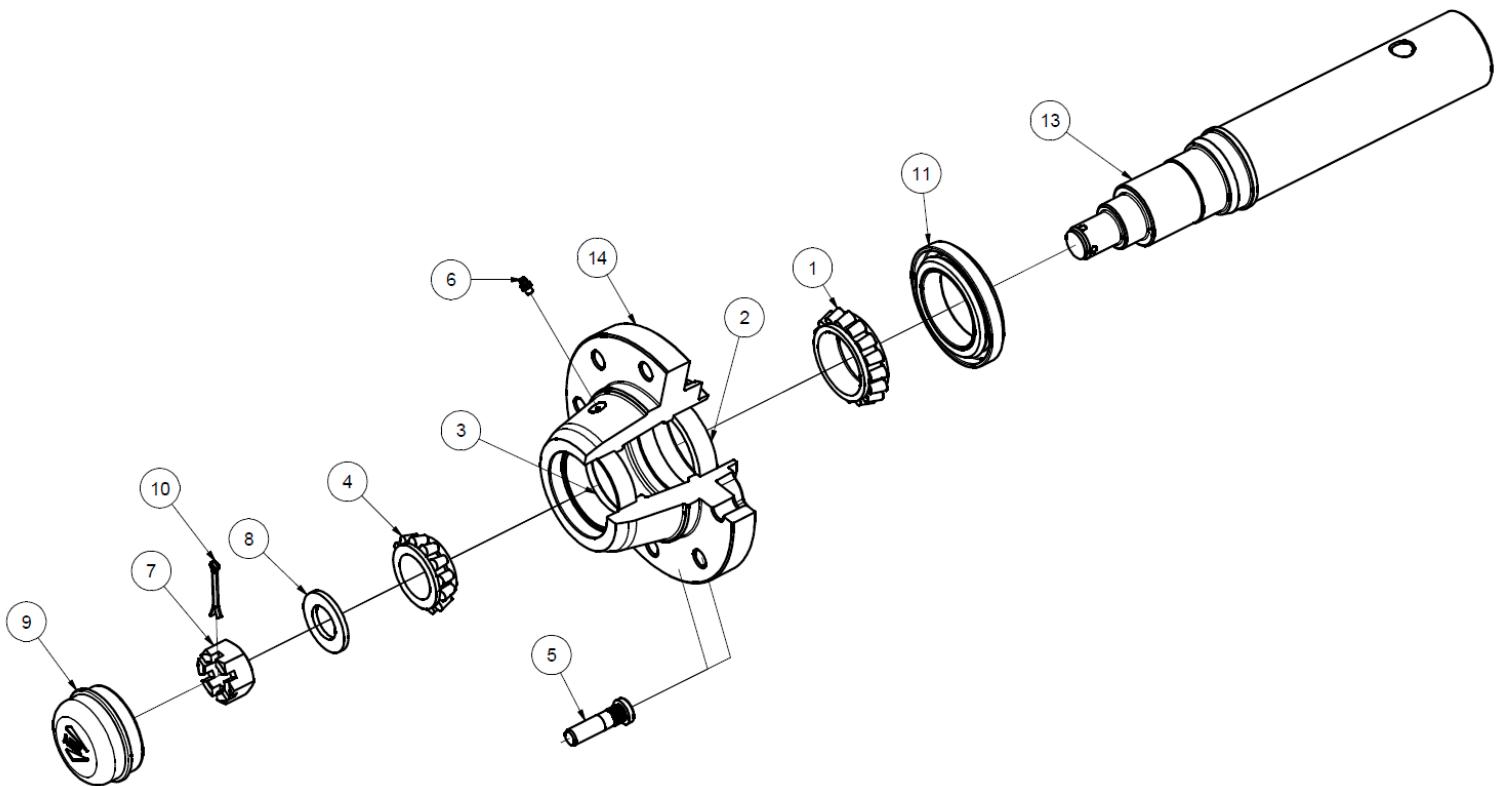


6,000 lb Wheel Hubs (Various Spindles)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	212-106	COMPLETE ADR 8-BOLT 6,000 lb HUB ASSY, STANDARD SPINDLE	1
-	212-108	COMPLETE ADR 8-BOLT 6,000 lb HUB ASSY, PILLAR SPINDLE	1
-	212-157	COMPLETE ADR 8-BOLT 6,000 lb HUB ASSY, EXTENDED SPINDLE	1
1	101-010	WASHER, M26	1
2	-	1" – 14 UNS CASTLE NUT	1
3	170-078	COTTER PIN, 5mm x 50mm	1
4	212-107 212-109 212-157-01	SPINDLE, STANDARD (HUB FLANGE FACE TO SHAFT END = 8-7/8") SPINDLE, PILLAR (HUB FLANGE FACE TO SHAFT END = 14-1/4") SPINDLE, EXTENDED (HUB FLANGE FACE TO SHAFT END = 17-3/4")	1
5	165-002	WHEEL BOLT, 9/16" - 18 UNF	8
6	212-112	OUTER BEARING CUP, 2720	1
7	212-110	INNER BEARING CUP, 3720	1
8	212-113	OUTER BEARING CONE, 2790	1
9	212-111	INNER BEARING CONE, 3780	1
10	212-114	ADR DUST CAP	1
11	212-115	ADR 8-BOLT 6,000 lb HUB, 61LZKY002	1
12	212-116	GREASE SEAL	1
13	180-002	GREASE FITTING, M08 x 1.25	1

Parts Manual

10,000 lb Wheel Hubs (Various Spindles)

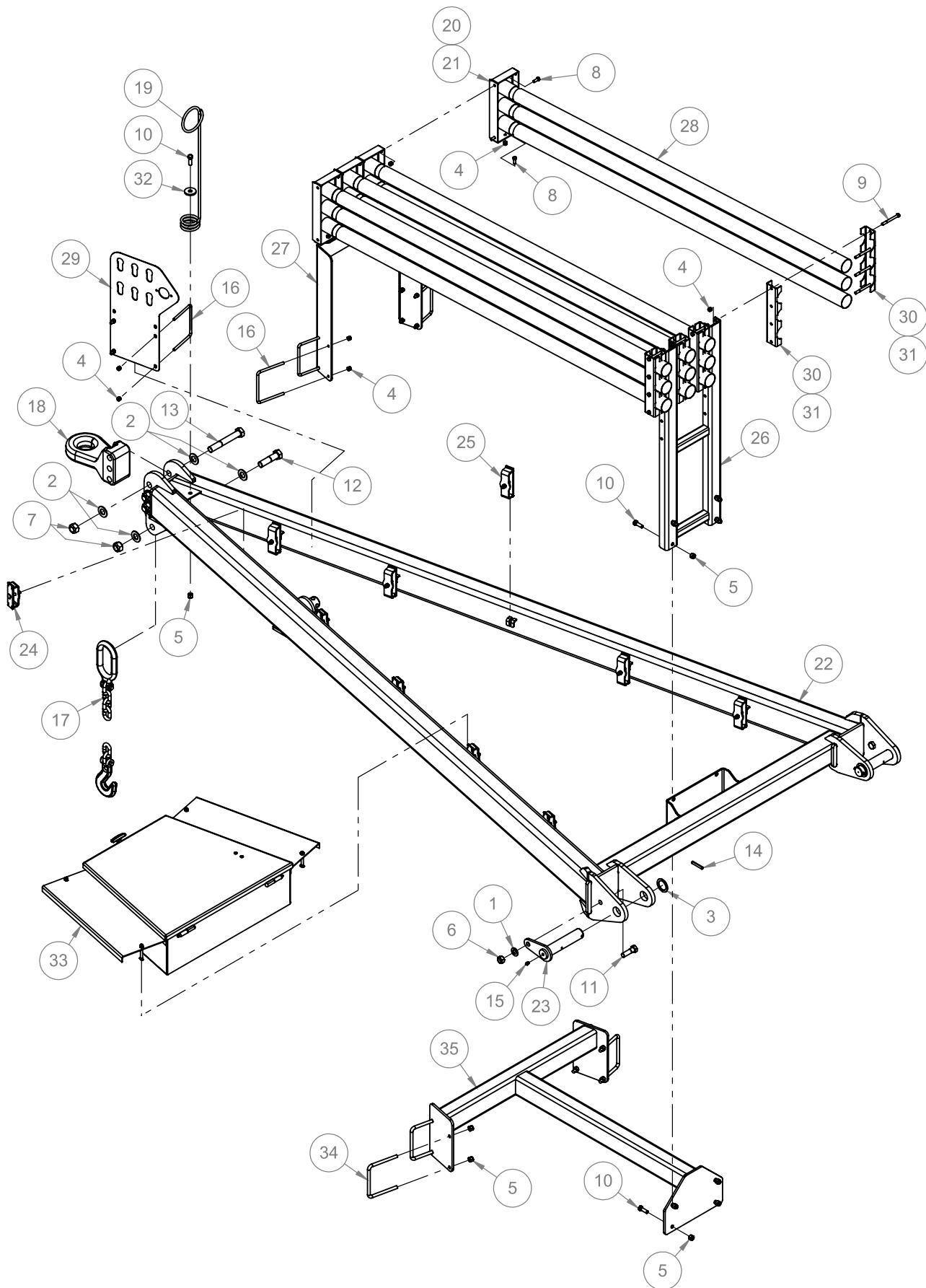


10,000 lb Wheel Hubs (Various Spindles)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
-	212-097	COMPLETE ADR 8-BOLT 10,000 lb HUB ASSY, STANDARD SPINDLE	1
-	212-158	COMPLETE ADR 8-BOLT 10,000 lb HUB ASSY, EXTENDED SPINDLE	1
1	212-098	INNER BEARING CONE, 28995	1
2	212-099	INNER BEARING CUP, 28921	1
3	212-100	OUTER BEARING CUP, K25520	1
4	212-101	OUTER BEARING CONE, K25581	1
5	165-003	STUD, 5/8" - 18 UNF	8
6	180-005	GREASE FITTING, 1/4" - 28 UNF	1
7	122-005	1-1/4" - 12 UNF CASTLE NUT	1
8	-	WASHER, M33	1
9	212-102	ADR DUST CAP	1
10	170-078	COTTER PIN, 5mm x 50mm	1
11	212-103	GREASE SEAL	1
13	212-097-01 212-158-01	SPINDLE, STANDARD (HUB FLANGE FACE TO SHAFT END = 13-11/16") SPINDLE, EXTENDED (HUB FLANGE FACE TO SHAFT END = 17-3/16")	1
14	212-105	ADR 8-BOLT 10,000 lb HUB, 61LZM1002	1

Parts Manual

Front Hitch



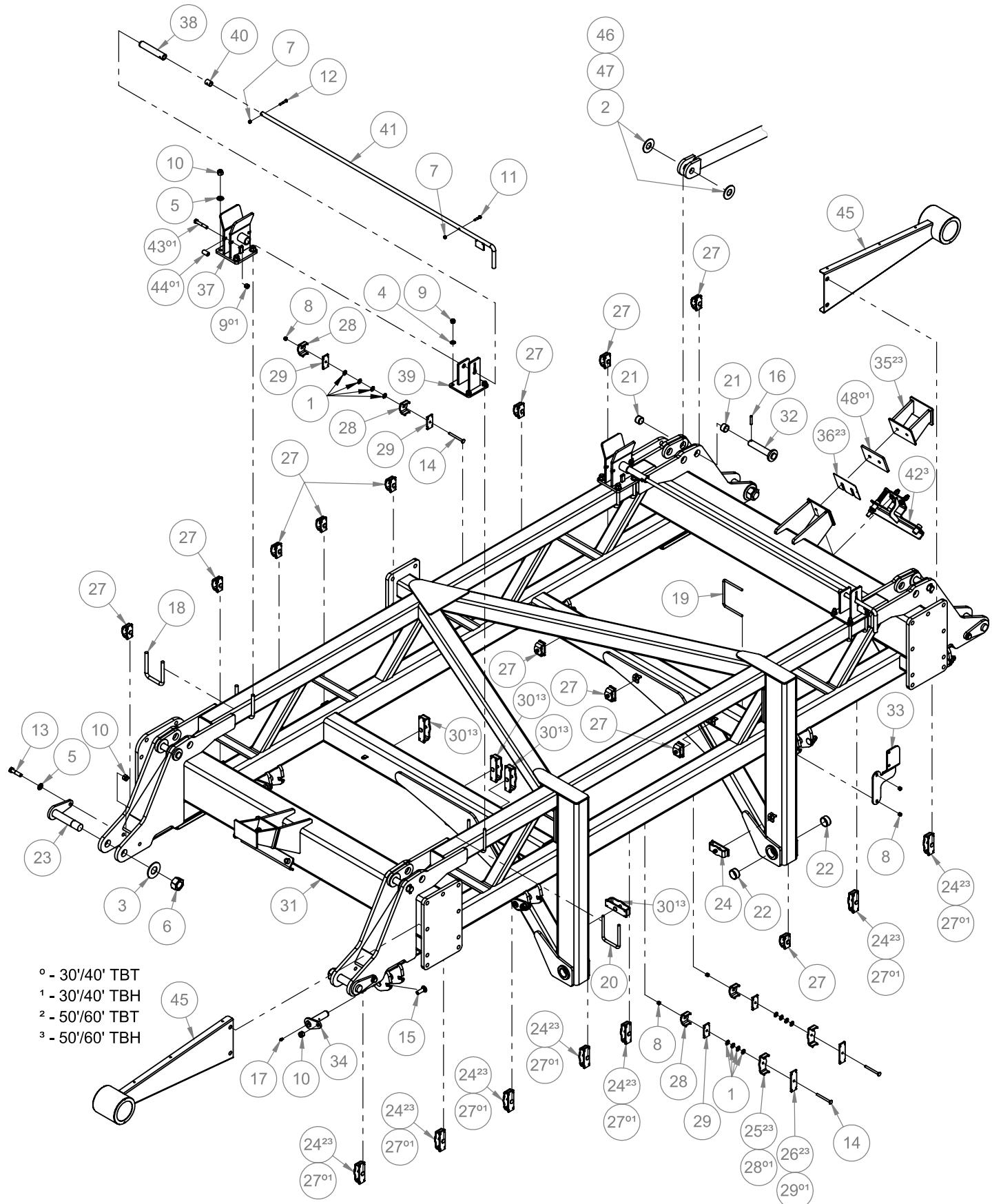
Parts Manual

Front Hitch

ITEM NO.	PART NO.	DESCRIPTION	TBH QTY	TBT 12 RUN	TBT 16 RUN
1	102-008	WASHER, 3/4 PLATED SAE	2	2	2
2	102-010	WASHER, 1 PLATED SAE	8	8	8
3	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	2	2	2
4	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	4	38	46
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1	5	5
6	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	2	2	2
7	119-010	STOVER NUT, 1 UNF GR 2 PLATED	4	4	4
8	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	N/A	10	10
9	125-063	BOLT, 3/8 X 3-3/4 UNC GR5 PLATED	N/A	16	24
10	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1	5	5
11	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	2	2	2
12	140-246	BOLT, 1 X 4 UNF GR8 PLATED	1	1	1
13	140-477	BOLT, 1 X 7 UNF GR9 PLATED	3	3	3
14	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	2	2	2
15	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	2	2	2
16	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5	2	6	6
17	212-026	CHAIN, SAFETY, 41,000 lb, 1/2" x 56" lg	1	1	1
18	212-029	HITCH BASE - CAT 4 -5, CTD P/N PP53XL	1	1	1
19	212-030	PIGTAIL HOSE HOLDER	1	1	1
20	212-034	SS Quick Conn 4 x 2.5", Raycol P/N QC 463 SS	N/A	N/A	4
21	212-035	SS Quick Conn 3 x 2.5", Raycol P/N QC 363 SS	N/A	4	N/A
22	600-1004	HITCH	1	1	1
23	600-1026	PIN, TOW HITCH	2	2	2
24	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	5	5	5
25	600-1065	HOSE CLAMP KIT, 1-1/4" X 5"	5	N/A	N/A
26	600-1078	TOW BET 2-1/2" SEED TUBE MNT, BACK	N/A	1	1
27	600-1080	AIR PACK BRACKET, FRONT HITCH	N/A	1	1
28	600-1082	SEED TUBE, 2-1/2" TOW BETWEEN	N/A	12	16
29	600-1180	HYDRAULIC HOSE HOLDER	1	1	1
30	600-1186	TRIPLE PIPE CLAMP	N/A	8	N/A
31	600-1188	FOUR PIPE CLAMP	N/A	N/A	8
32	600-1328	PIGTAIL HOSE HOLDER WASHER	1	1	1
33	600-2002	TOOLBOX (OPTIONAL)	1	1	1
BOURGAULT TOW BETWEEN PACKAGE			QTY		
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	12		
10	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	4		
34	185-013	U-BOLT, 1/2 X 6-1/16 W X 5-1/2 H, UNC GR5 PL	4		
35	600-3025	BOURGAULT 7000 SERIES TOWER MOUNT	1		

Parts Manual

Center Frame



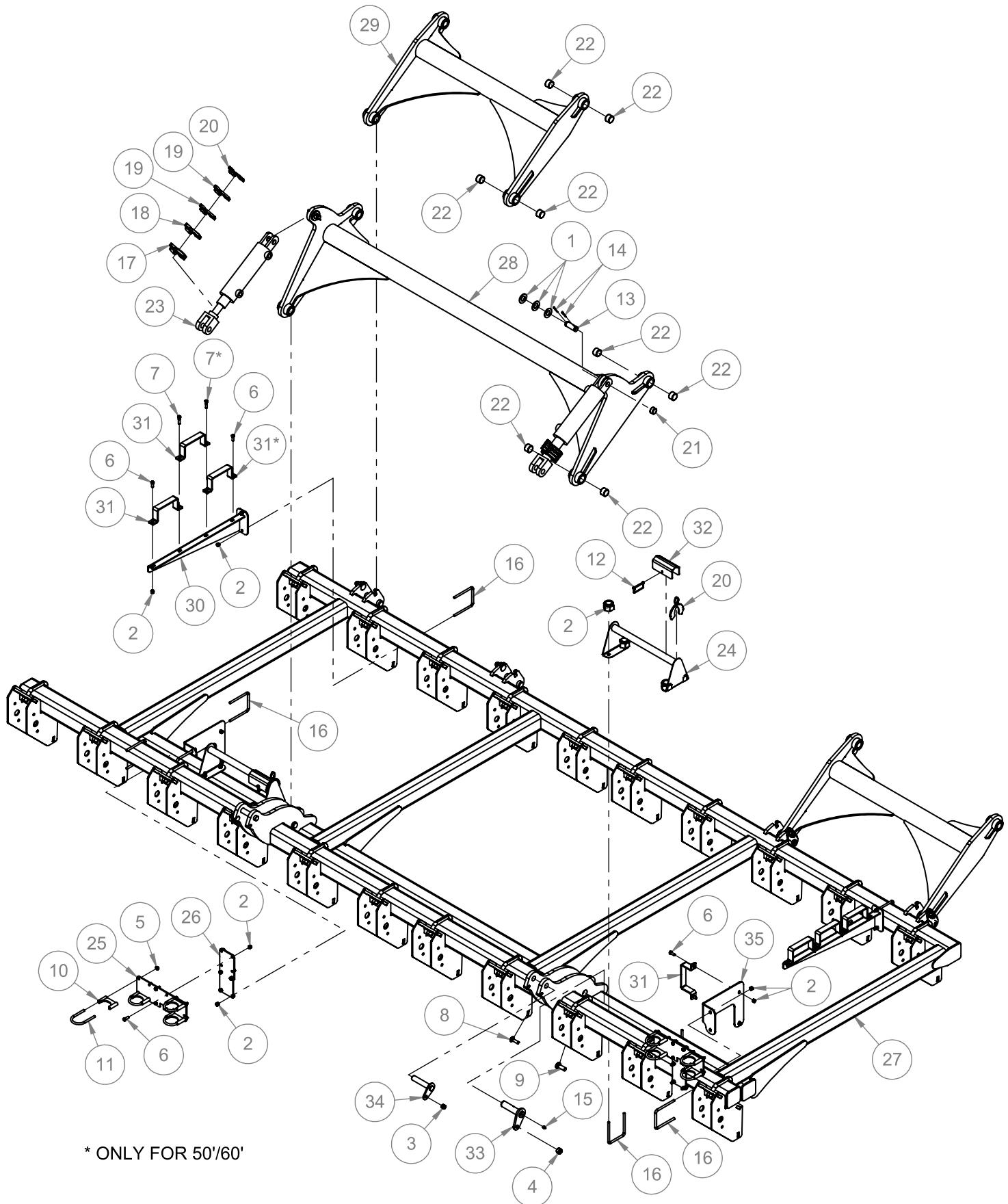
Parts Manual

Center Frame

ITEM NO.	PART NUMBER	DESCRIPTION	30'/40' TBT	30'/40' TBH	50'/60' TBT	50'/60' TBH
1	101-003	WASHER 3/8 PLATED ASME WIDE	12	12	12	12
2	101-012	WASHER 1-1/4 PLATED USS	8	8	N/A	N/A
3	101-014	WASHER 1-1/2 PLATED USS	4	4	4	4
4	102-005	WASHER 1/2 PLATED SAE	8	8	8	8
5	102-007	WASHER 5/8 PLATED SAE	12	12	12	12
6	111-039	NUT, 1-1/2 UNF GR 8 PLATED	4	4	4	4
7	114-002	LOCKNUT, 5/16" UNC NYL INS GR 2 YZ	4	4	4	4
8	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	5	5	5	5
9	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	10	10	8	8
10	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	18	18	18	18
11	125-029	BOLT, 5/16 X 1-1/2 UNC GR5 PLATED	2	2	2	2
12	125-030	BOLT, 5/16 x 1-3/4 UNC GR 5 PLATED	2	2	2	2
13	125-157	BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	4	4	4	4
14	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	3	3	3	3
15	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6	6	6	6
16	170-027	ROLL PIN, 3/8 X 2 PLATED	4	4	4	4
17	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6	6	6	6
18	185-004	U-BOLT, 5/8 X 4-1/16 W X 5-1/2 H, UNC GR5 PL	4	4	4	4
19	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PL	1	1	1	1
20	185-007	U-BOLT, 1/2 X 4-1/16 W X 5-1/2 H, UNC GR5 PL	4	4	4	4
21	212-065	BUSHING, 1/4" ID X 1-1/2" OD X 1-1/2" LG	8	8	8	8
22	212-069	BUSHING, 1-3/4" ID X 2" OD X 1" LG	4	4	4	4
23	600-1011	HINGE PIN	4	4	4	4
24	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	1	1	8	8
25	600-1058	HOSE CLAMP, WIDE	N/A	N/A	2	2
26	600-1060	LOWER PLATE, WIDE	N/A	N/A	2	2
27	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	19	19	12	12
28	600-1062	HOSE CLAMP, NARROW	6	6	4	4
29	600-1064	LOWER PLATE, NARROW	6	6	4	4
30	600-1065	HOSE CLAMP KIT, 1-1/4" X 5"	N/A	4	N/A	4
31	600-1104	CENTER FRAME	1	1	1	1
32	600-1164	PIN, WING LIFT ARM, CYLINDER	4	4	4	4
33	600-1182	PRV BRACKET	1	1	1	1
34	600-1222	PIN, 1-1/4" DIA	6	6	6	6
35	600-1232	WING STOP SPACER	N/A	N/A	2	2
36	600-1233	WING REST SHIM, 16 GA.	N/A	N/A	2-6	2-6
37	600-1240	WING LOCK PIN GUIDE	2	2	2	2
38	600-1242	PIN	2	2	2	2
39	600-1244	LATCH GUIDE	2	2	2	2
40	600-1250	SLEEVE	2	2	2	2
41	600-1254	LATCH HANDLE	2	2	2	2
42	600-3017	PLUNGER ASSEMBLY	N/A	N/A	N/A	2
43	125-109	BOLT, 1/2 X 3 UNC GR5 PLATED	2	2	N/A	N/A
44	600-1450	ROLLER, TRANS-LOCK	2	2	N/A	N/A
45	600-1056	LIGHT BRACKET	2	2	2	2
46	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	N/A	N/A	8	8
47	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	N/A	N/A	12	12
48	600-1239	UHMW SHIM, WING REST	2	2	N/A	N/A

Parts Manual

Center Subframe



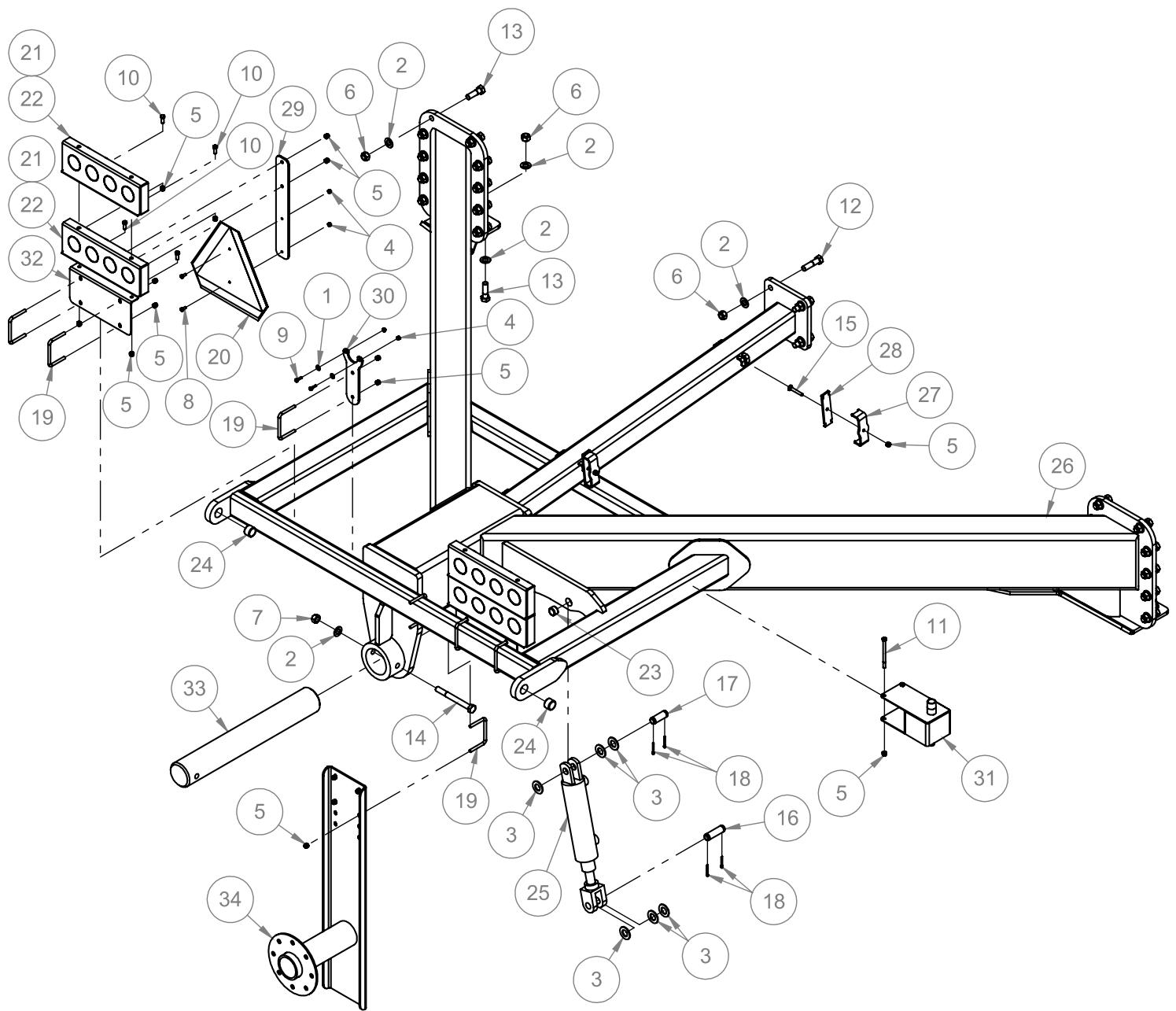
* ONLY FOR 50'/60'

Parts Manual

<i>Center Subframe</i>				
ITEM NO.	PART NUMBER	DESCRIPTION	30'/40' QTY	50'/60' QTY
1	102-010	WASHER 1 PLATED SAE	6	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	44	44
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	6	6
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	16	16
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	16	16
7	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	2	4
8	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2	2
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6	6
10	165-006	MUFFLER CLAMP, 2.625" ID	8	8
11	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	8	8
12	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2	2
13	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2	2
14	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4	4
15	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6	6
16	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	12	12
17	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2	2
18	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2	2
19	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4	4
20	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	4	4
21	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2	2
22	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	24	24
23	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2	2
24	600-1072	SPACER STORAGE FRAME	2	2
25	600-1074	BRACKET, HEADER TOWER CROSS	2	2
26	600-1076	BRACKET, HEADER TOWER UPRIGHT	2	2
27	600-1140	SUBFRAME, CENTER	1	1
28	600-1144	TORQUE TUBE, CENTER, BACK	1	1
29	600-1148	TORQUE TUBE, NARROW FRONT	2	2
30	600-1176	PRIMARY HOSE BRACKET	2	2
31	600-1178	HOSE STRAP	6	8
32	600-1184	SAFETY STOP	2	2
33	600-1222	PIN, 1-1/4" DIA	6	6
34	600-1224	PIN, 1" DIA	2	2
35	600-3023	ANGLE BRACKET, AIR PACK	2	2

Parts Manual

Rear Frame

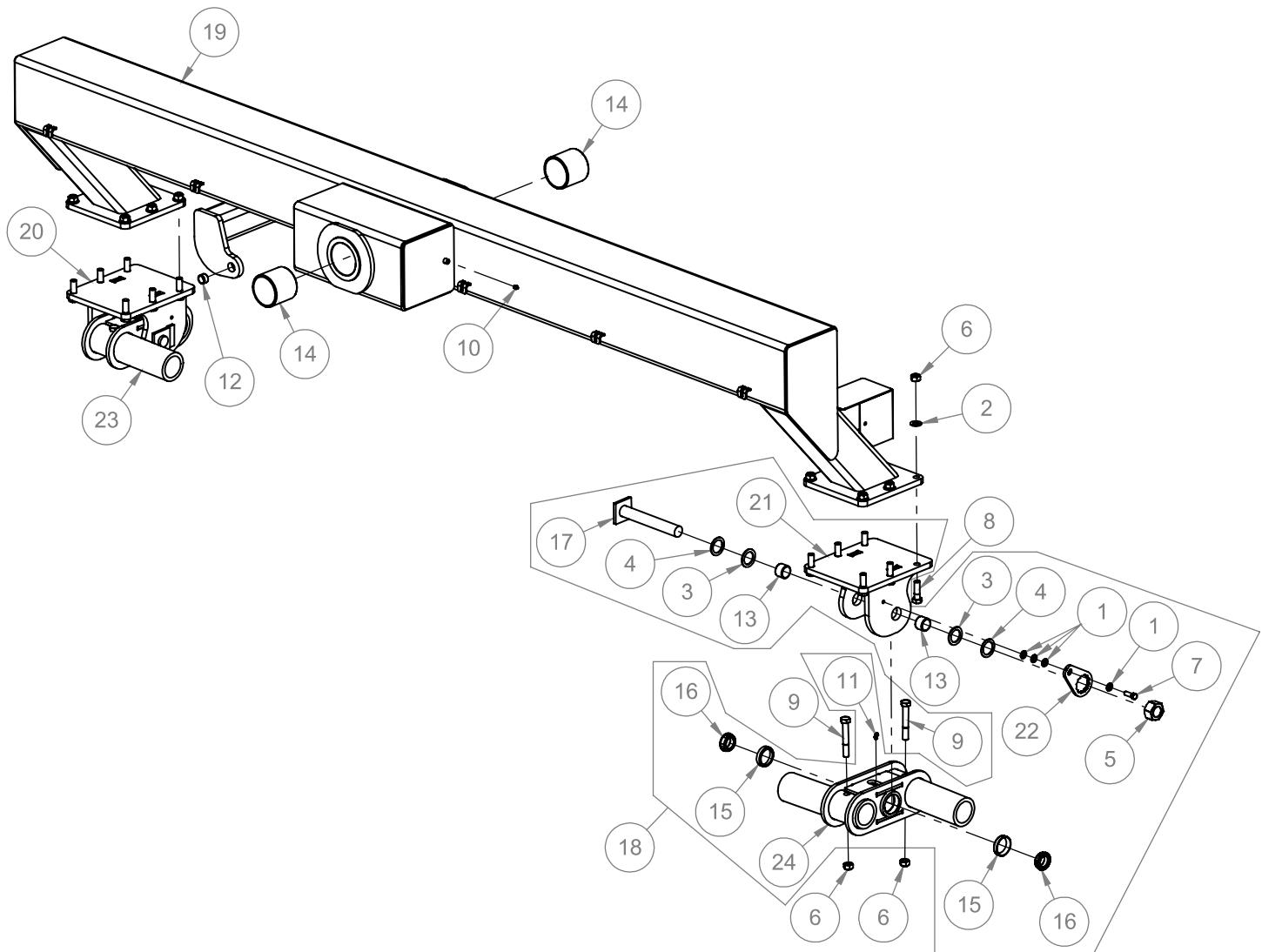


Parts Manual

<i>Rear Frame</i>						
ITEM NO.	PART NUMBER	DESCRIPTION	30'/40' TBT	30'/40' TBH	50'/60' TBT	50'/60' TBH
1	101-001	WASHER 1/4 PLATED ASME WIDE	2	2	2	2
2	102-008	WASHER 3/4 PLATED SAE	37	37	37	37
3	102-010	WASHER 1 PLATED SAE	N/A	N/A	6	6
4	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	4	4	4	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	4	20	6	22
6	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	30	30	30	30
7	119-008	STOVER NUT, 3/4 UNF GR 2 PLATED	1	1	1	1
8	125-001	BOLT, 1/4 X 3/4 UNC GR5 PLATED	2	2	2	2
9	125-002	BOLT, 1/4 X 1 UNC GR5 PLATED	2	2	2	2
10	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	N/A	8	N/A	8
11	125-068	BOLT, 3/8 X 5 UNC GR5 PLATED	N/A	N/A	2	2
12	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	4	4	4	4
13	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	26	26	26	26
14	140-200	BOLT, 3/4 X 7 UNF GR8 PLATED	1	1	1	1
15	145-059	CARR. BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	N/A	2	N/A	2
16	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	N/A	N/A	1	1
17	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	N/A	N/A	1	1
18	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	N/A	N/A	4	4
19	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PLATED	2	5	2	5
20	210-055	SMV SIGN, 22 GA GALVINIZED	1	1	1	1
21	212-034	SS Quick Conn 4 x 2.5", Raycol P/N QC 463 SS	N/A	N/A	N/A	4 (5010, 6010, 6012)
22	212-035	SS Quick Conn 3 x 2.5", Raycol P/N QC 363 SS (NOT SHOWN)	N/A	4	N/A	4 (5012)
23	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	N/A	N/A	1	1
24	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	2	2	2	2
25	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	N/A	N/A	1	1
26	600-1038	REAR FRAME	1	1	1	1
27	600-1066	HOSE CLAMP, 5" WIDE	N/A	2	N/A	2
28	600-1068	LOWER PLATE, 5" WIDE	N/A	2	N/A	2
29	600-1084	MOUNT, SLOW MOVING VEHICLE	1	1	1	1
30	600-1086	MOUNT, LIGHT PLUG	1	1	1	1
31	600-1168	OIL TANK	N/A	N/A	1	1
32	600-1190	TBH AIR PACK BRACKET	N/A	2	N/A	2
33	600-1042	PIN, REAR BEAM	1	1	1	1
SPARE TIRE CARRIER KIT (OPTIONAL)						
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	4	4	4	4
19	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PLATED	2	2	2	2
34	600-3026	SPARE TIRE CARRIER	1	1	1	1

Parts Manual

Rear Beam

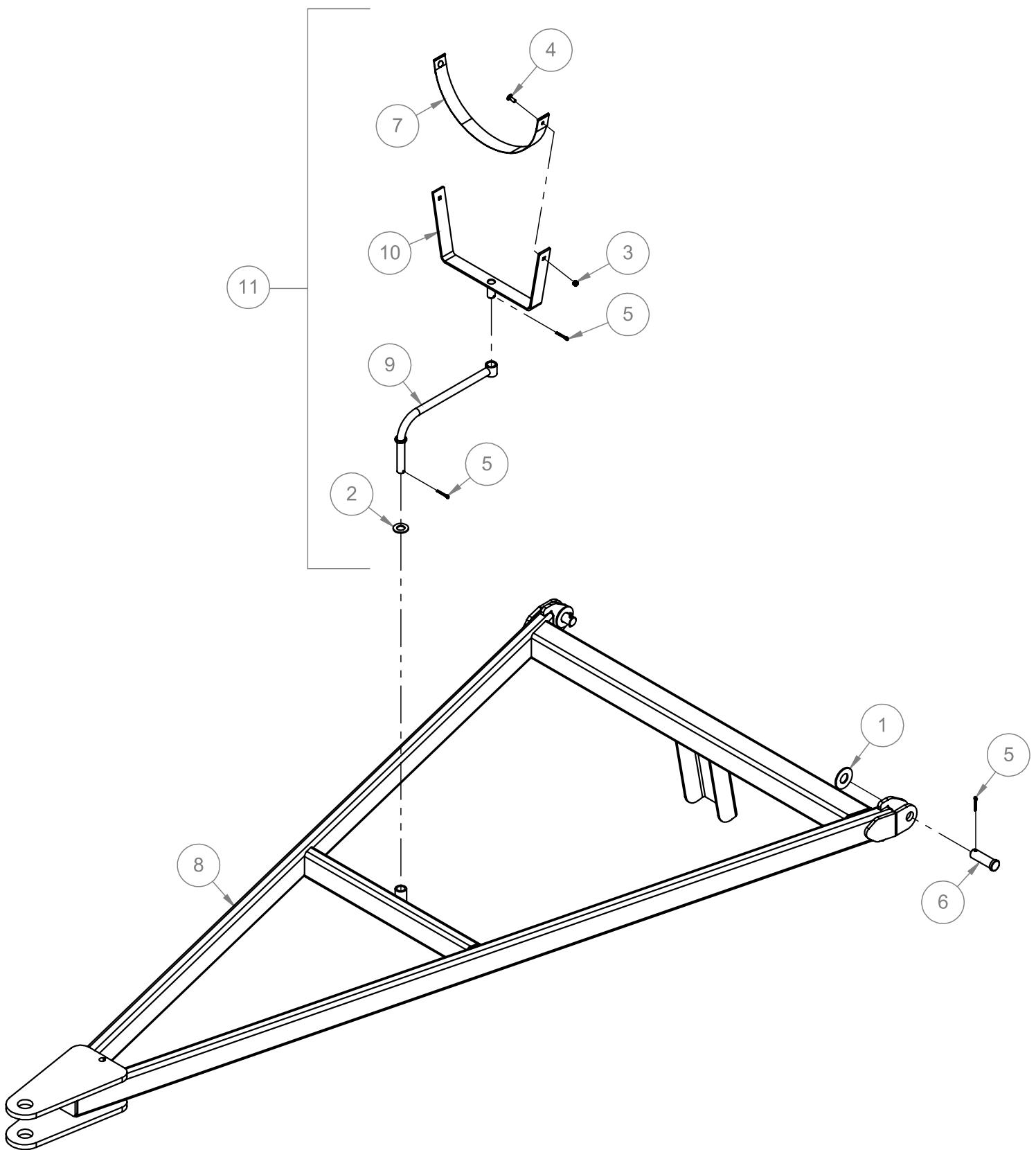


Parts Manual

<i>Rear Beam</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-005	WASHER 1/2 PLATED SAE	8
2	102-008	WASHER 3/4 PLATED SAE	12
3	104-003	WASHER, 1-3/4" ID x 2-1/2" OD x 10GA	4
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	4
5	111-039	NUT, 1-1/2 UNF GR 8 PLATED	2
6	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	16
7	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
8	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	12
9	130-192	BOLT, 3/4 X 5 UNC GR8 PLATED	4
10	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
11	180-006	GREASE ZERK, 1/4-28 UNF 45 DEG	2
12	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	1
13	212-067	TENSION BUSHING, 1-1/2" ID X 1-3/4" OD X 1-1/4" LG	4
14	212-071	TENSION BUSHING, 4" ID X 4-1/2" OD X 4" LG	2
15	212-072	TIMKEN TAPERED ROLLER BEARING CUP, P/N 13621	4
16	212-073	TIMKEN TAPERED ROLLER BEARING CONE P/N 13685	4
17	600-1022	WALKING AXLE PIN	2
18	600-1031 600-1032	RH WALKING AXLE, REAR ASSEMBLY LH WALKING AXLE, REAR ASSEMBLY	1
19	600-1040	REAR BEAM	1
20	600-1052	WALKING AXLE MOUNT, RH, OFFSET	1
21	600-1054	WALKING AXLE MOUNT, LH, OFFSET	1
22	600-1070	ROTATION LOCK, 1-1/2" NUT	2
23	600-1310	WALKING AXLE, RH, EXTENDED	1
24	600-1314	WALKING AXLE, LH, EXTENDED	1

Parts Manual

Tow Behind Hitch

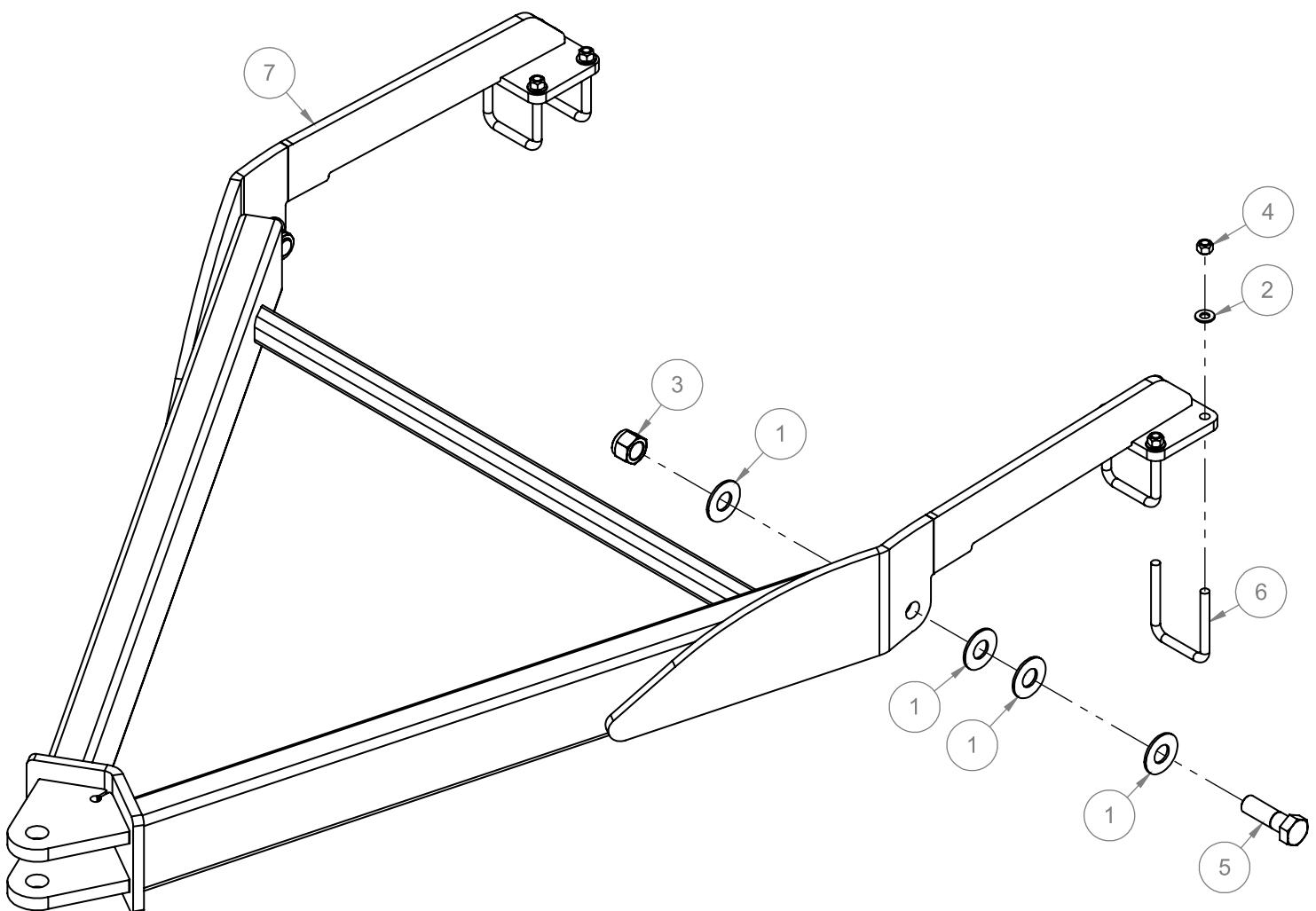


Parts Manual

Tow Behind Hitch			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	2
2	102-010	WASHER 1 PLATED SAE	1
3	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	2
4	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PLATED	2
5	170-079	COTTER PIN, 1/4 X 2 PLATED	4
6	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	2
7	212-204	2" NYLON STRAPPING	1
8	600-1050	TOW BEHIND HITCH	1
9	600-1234	SUPPORT ARM	1
10	600-1236	SADDLE	1
11	600-3027	KIT, TBH HOSE SADDLE	1

Parts Manual

Tow Behind Hitch, Wagon Style

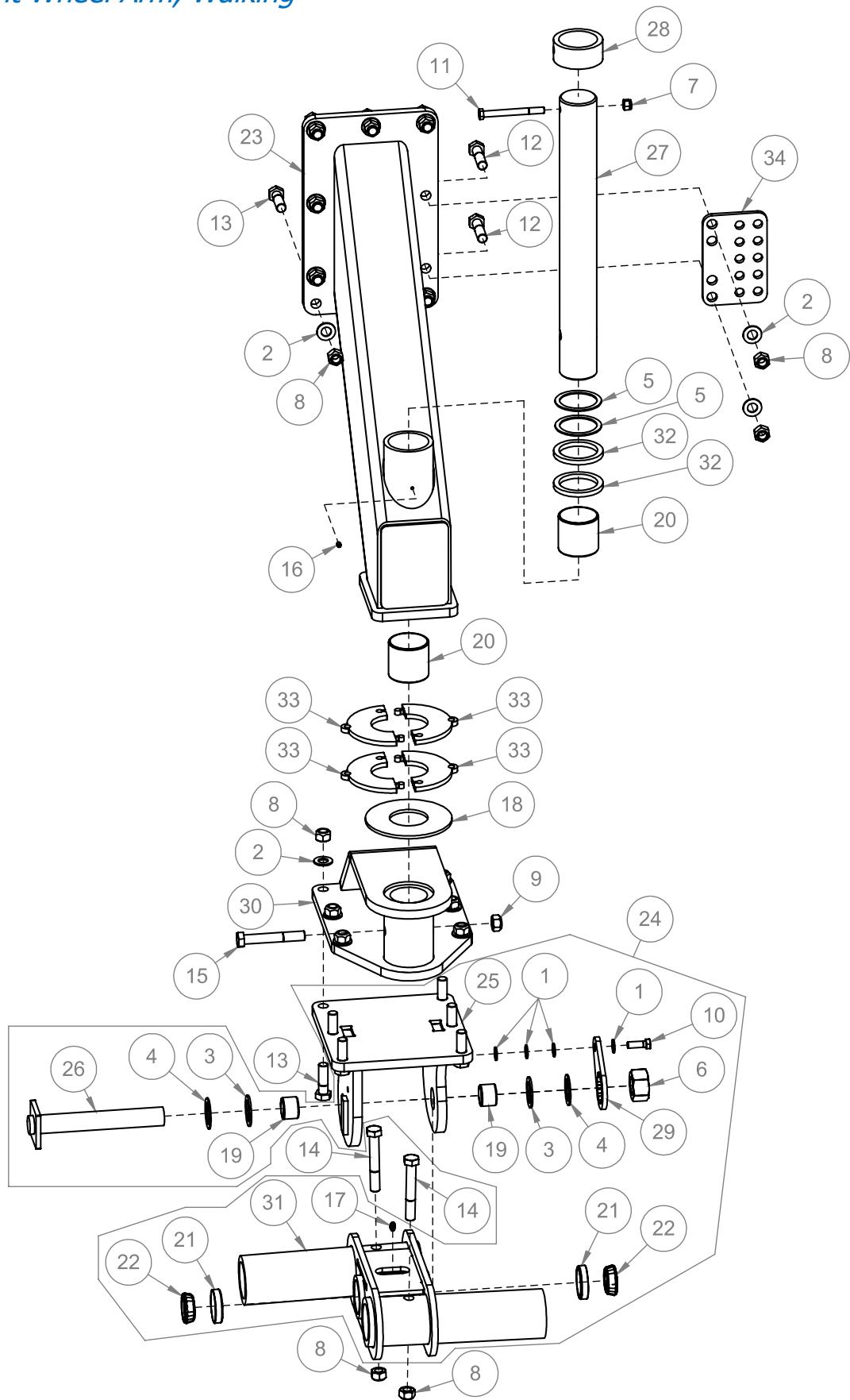


Parts Manual

<i>Tow Behind Hitch, Wagon Style</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	8
2	102-007	WASHER 5/8 PLATED SAE	8
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	2
4	118-007	STOVER NUT, 5/8" UNC GR 2 PLATED	8
5	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	2
6	185-004	U-BOLT, 5/8 X 4-1/16 W X 5-1/2 H, UNC GR5 PL	4
7	600-1258	TBH HITCH, WAGON STYLE	1

Parts Manual

Front Wheel Arm, Walking



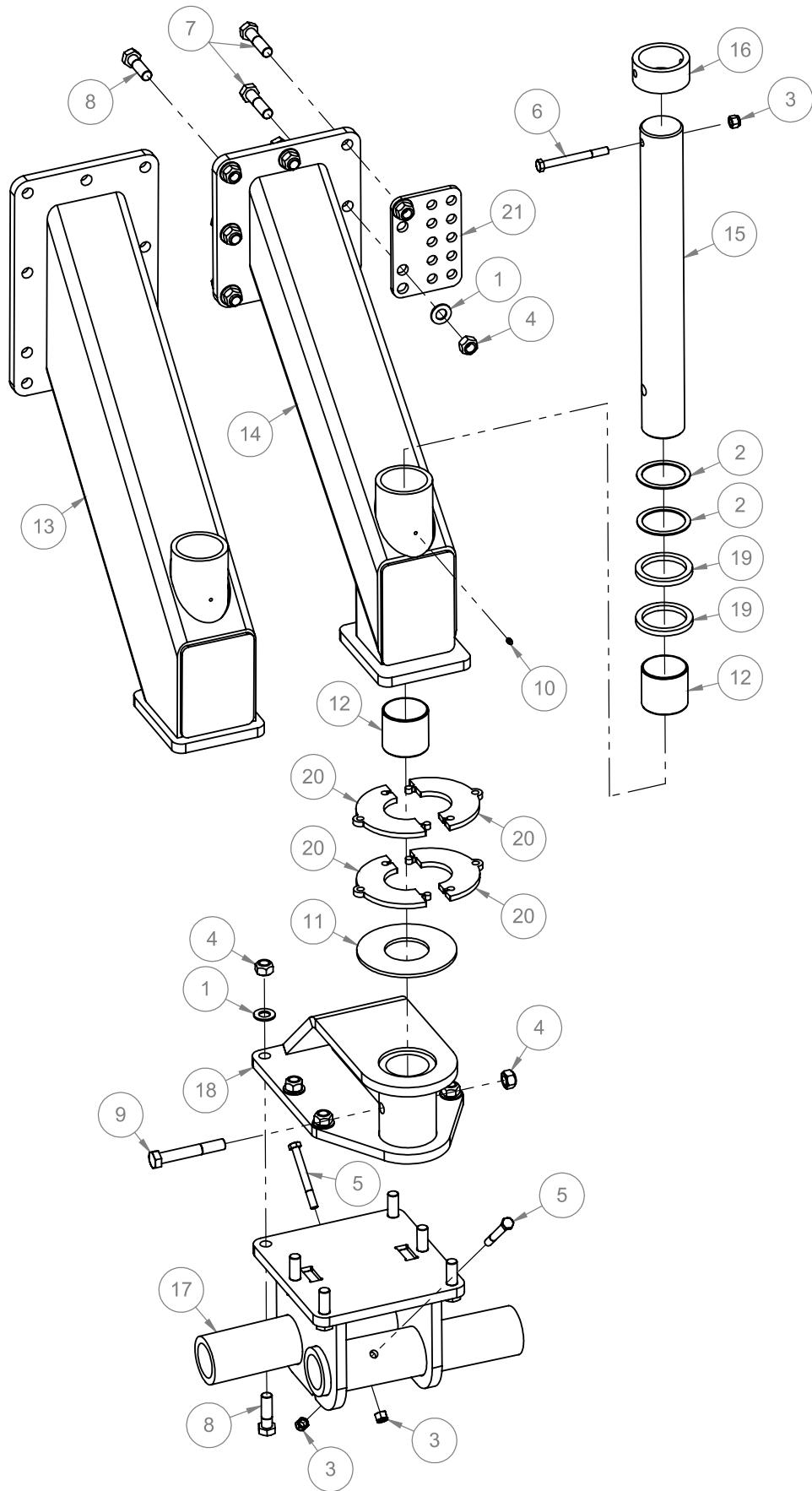
Parts Manual

Front Wheel Arm, Walking

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-005	WASHER 1/2 PLATED SAE	4
2	102-008	WASHER 3/4 PLATED SAE	15
3	104-003	WASHER, 1-3/4" ID x 2-1/2" OD x 10GA	1 - 2
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	0 - 2
5	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	2
6	111-039	NUT, 1-1/2 UNF GR 8 PLATED	1
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
8	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	17
9	118-008 114-005	STOVER NUT, 3/4 UNC GR 2 PLATED PREV. STYLE - LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
10	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
11	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	1
12	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	2
13	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	13
14	130-192	BOLT, 3/4 X 5 UNC GR8 PLATED	2
15	130-192 125-117	BOLT, 3/4 X 5 UNC GR8 PLATED PREV. STYLE - BOLT, 1/2 X 5 UNC GR5 PLATED	1
16	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
17	180-006	GREASE ZERK, 1/4-28 UNF 45 DEG	1
18	212-004	DISC, CASTER WEAR PLATE	1
19	212-067	TENSION BUSHING, 1-1/2" ID X 1-3/4" OD X 1-1/4" LG	2
20	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	2
21	212-072	TIMKEN TAPERED ROLLER BEARING CUP, P/N 13621	2
22	212-073	TIMKEN TAPERED ROLLER BEARING CONE P/N 13600LA	2
23	600-1008	CASTER ARM, HEAVY	1
24	600-1018 600-1020	RH WALKING AXLE, FRONT ASSEMBLY LH WALKING AXLE, FRONT ASSEMBLY	1
25	600-1019 600-1021	WALKING AXLE MOUNT, RIGHT WALKING AXLE MOUNT, LEFT (NOT SHOWN)	1
26	600-1022	WALKING AXLE PIN	1
27	600-1029 600-1028	CASTER PIN - 3/4" BOLT PREV. STYLE - CASTER PIN - 1/2" BOLT	1
28	600-1030	RETAINER, CASTER PIVOT	1
29	600-1070	ROTATION LOCK, 1-1/2" NUT	1
30	600-1304	ARM, CASTER, FRONT	1
31	600-1310 600-1314 600-1015 600-1017 600-1035 600-1036 600-1330 600-1332	WALKING AXLE, RH, EXTENDED WALKING AXLE, LH, EXTENDED (NOT SHOWN) WALKING AXLE, RH, HEAVY (NOT SHOWN) WALKING AXLE, LH, HEAVY (NOT SHOWN) WALKING AXLE, RH, LIGHT (NOT SHOWN) WALKING AXLE, LH, LIGHT (NOT SHOWN) WALKING AXLE, RH, LIGHT, EXTENDED (NOT SHOWN) WALKING AXLE, LH, LIGHT, EXTENDED (NOT SHOWN)	1
32	600-1312	CASTER RING	2
33	600-1316	LEVELING SHIM, 3/8"	4
34	600-2004	GREASE BANK MOUNT PL, PRESS-IN (OPTIONAL)	1

Parts Manual

Light / Heavy Front Wheel Arms, Non-walking Dual

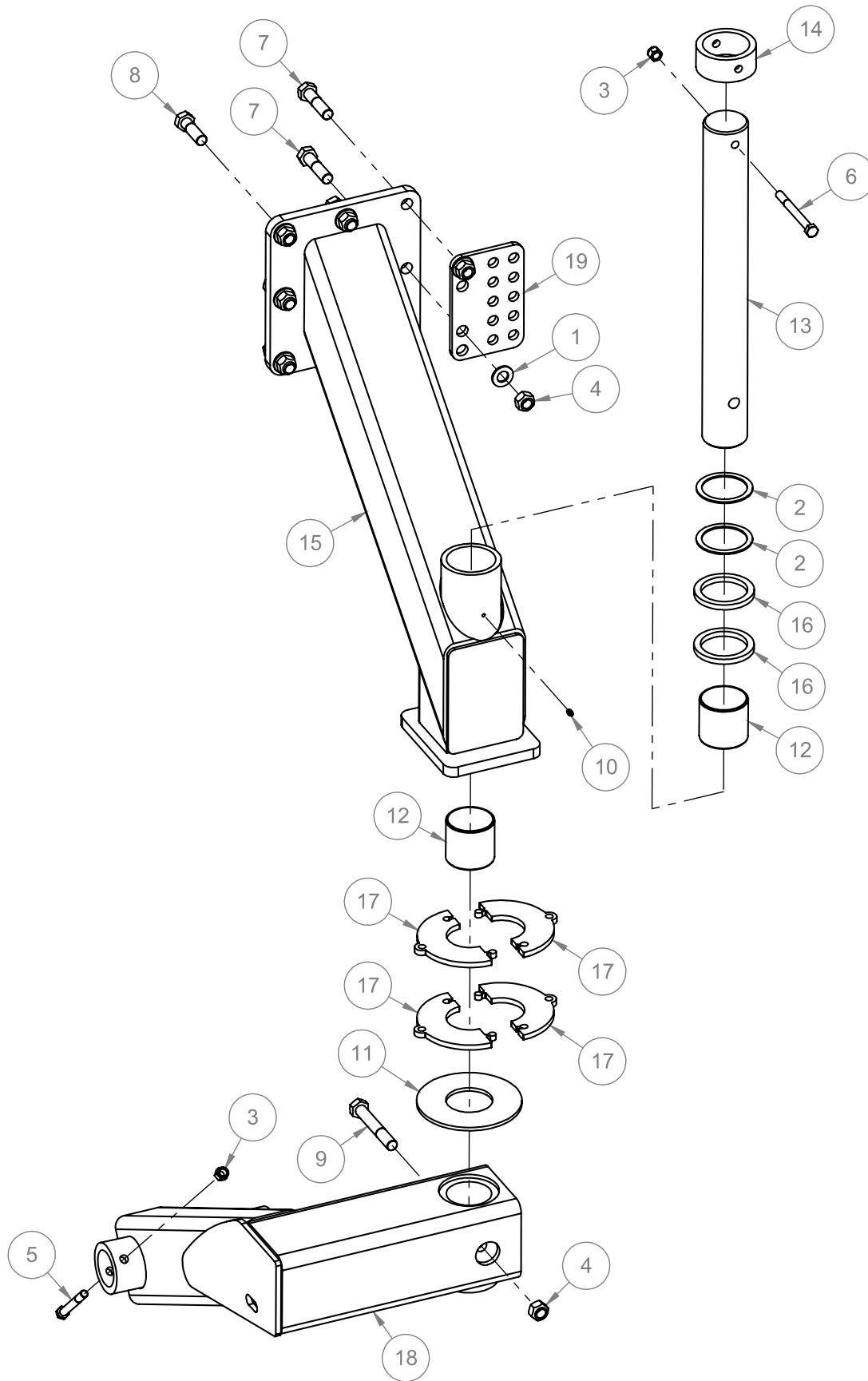


Parts Manual

<i>Light / Heavy Front Wheel Arms, Non-walking Dual</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER 3/4 PLATED SAE	14
2	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	2
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3
4	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	15
5	125-115	BOLT, 1/2 X 4-1/2 UNC GR5 PLATED	2
6	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	1
7	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	2
8	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	12
9	130-192	BOLT, 3/4 X 5 UNC GR8 PLATED	1
10	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
11	212-004	DISC, CASTER WEAR PLATE	1
12	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	2
13	600-1008	CASTER ARM, HEAVY	1
14	600-1114	CASTER ARM, LIGHT	1
15	600-1029 600-1028	CASTER PIN - 3/4" BOLT PREV. STYLE - CASTER PIN – 1/2" BOLT	1
16	600-1030	RETAINER, CASTER PIVOT	1
17	600-1047 600-1048	DUAL AXLE MOUNT, LH (NOT SHOWN) DUAL AXLE MOUNT, RH	1
18	600-1304	ARM, CASTER, FRONT	1
19	600-1312	CASTER RING	2
20	600-1316	LEVELING SHIM, 3/8"	4
21	600-2004	GREASE BANK MOUNT PL, PRESS-IN (OPTIONAL)	1

Parts Manual

Light Front Wheel Arm, Single



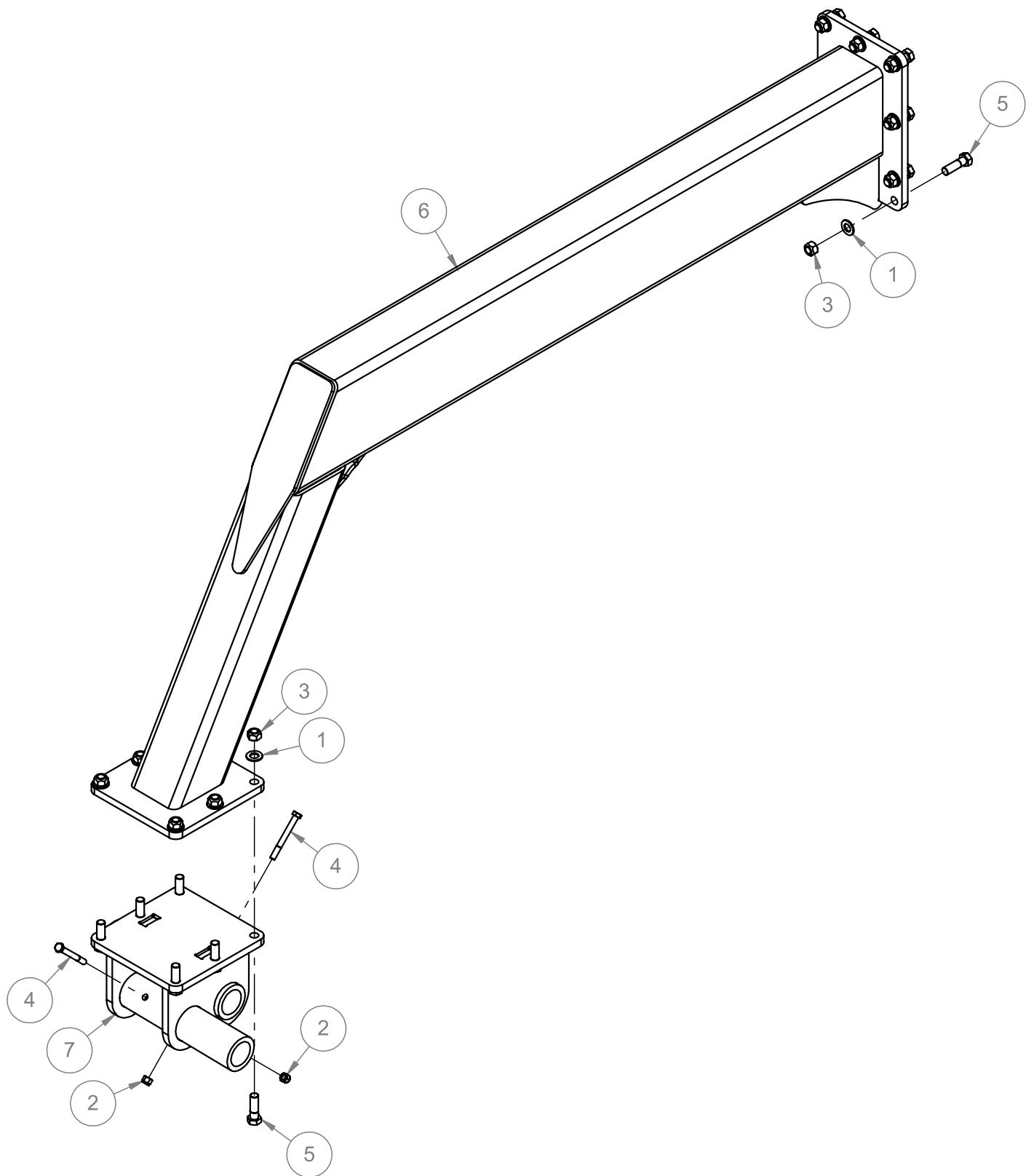
Parts Manual

Light Front Wheel Arm, Single

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER 3/4 PLATED SAE	8
2	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	2
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	9
5	125-115	BOLT, 1/2 X 4-1/2 UNC GR5 PLATED	1
6	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	1
7	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	2
8	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	6
9	130-192	BOLT, 3/4 X 5 UNC GR8 PLATED	1
10	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
11	212-004	DISC, CASTER WEAR PLATE	1
12	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	2
13	600-1029 600-1028	CASTER PIN - 3/4" BOLT PREV. STYLE - CASTER PIN - 1/2" BOLT	1
14	600-1030	RETAINER, CASTER PIVOT	1
15	600-1114	CASTER ARM, LIGHT	1
16	600-1312	CASTER RING	2
17	600-1316	LEVELING SHIM, 3/8"	4
18	600-1318 600-1320	SINGLE CASTER ARM, RH, WIDE SINGLE CASTER ARM, LH, WIDE (NOT SHOWN)	1
19	600-2004	GREASE BANK MOUNT PL, PRESS-IN (OPTIONAL)	1

Parts Manual

Heavy Rear Wheel Arm

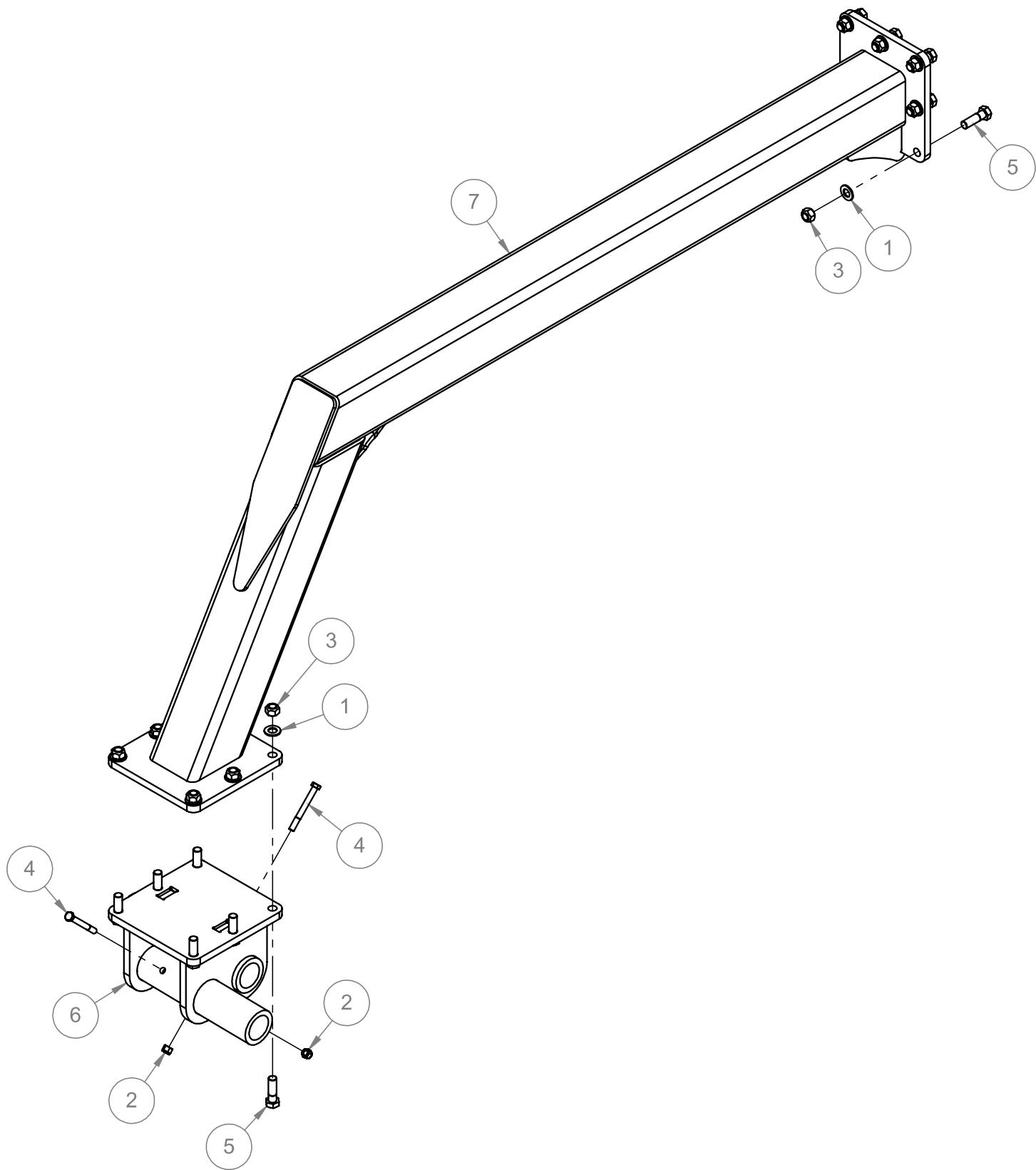


Parts Manual

Heavy Rear Wheel Arm			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER 3/4 PLATED SAE	15
2	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
3	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	15
4	125-115	BOLT, 1/2 X 4-1/2 UNC GR5 PLATED	2
5	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	15
6	600-1045	WHEEL ARM, INNER REAR	1
7	600-1047 600-1048	DUAL AXLE MOUNT, LH (NOT SHOWN) DUAL AXLE MOUNT, RH	1

Parts Manual

Light Rear Wheel Arm

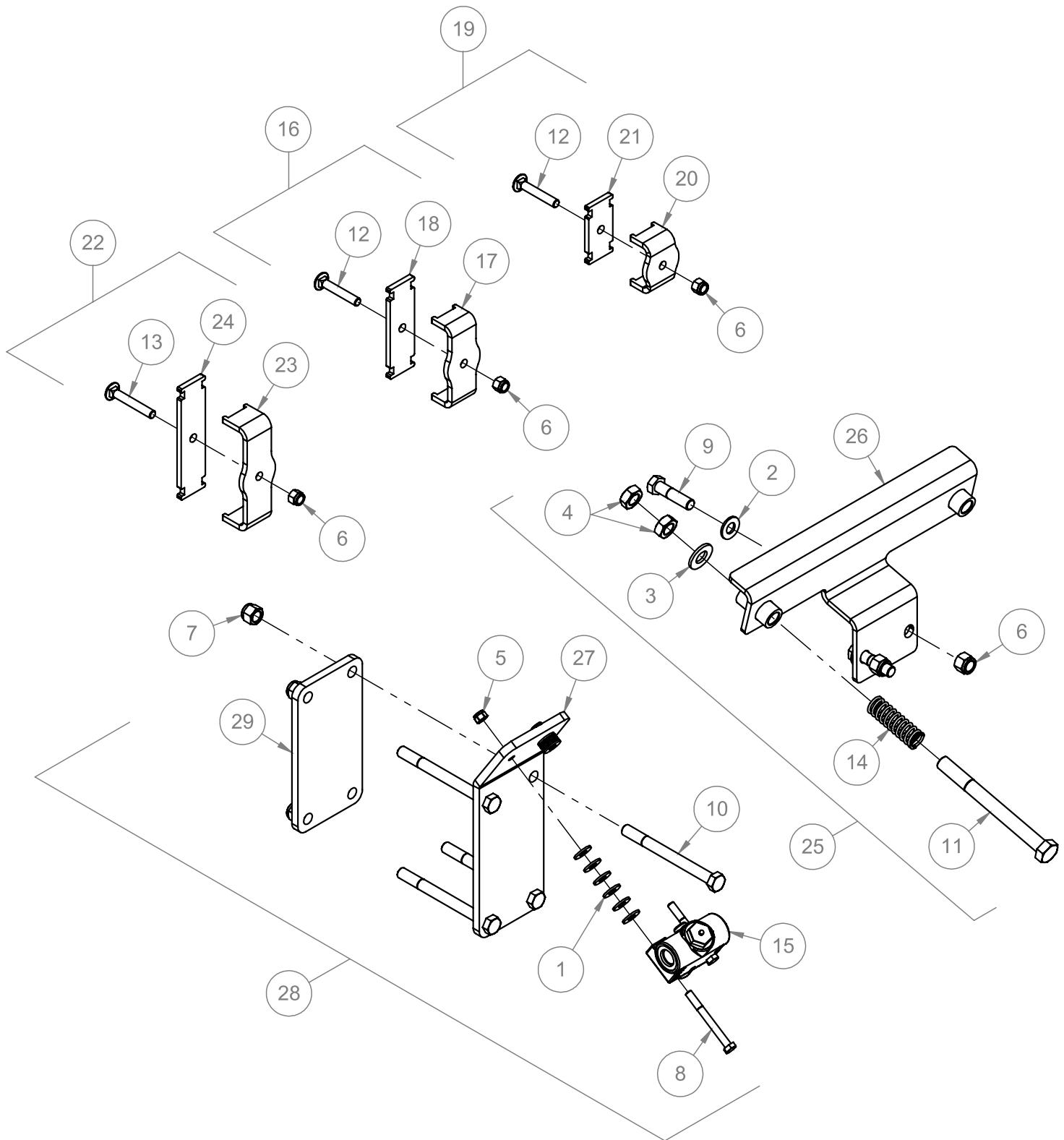


Parts Manual

Light Rear Wheel Arm			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER 3/4 PLATED SAE	14
2	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
3	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	14
4	125-115	BOLT, 1/2 X 4-1/2 UNC GR5 PLATED	2
5	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	14
6	600-1047 600-1048 600-1116	DUAL AXLE MOUNT, LH (NOT SHOWN) DUAL AXLE MOUNT, RH AXLE MOUNT, SINGLE (NOT SHOWN)	1
7	600-1118	WHEEL ARM, WING REAR	1

Parts Manual

Misc. Small Assemblies

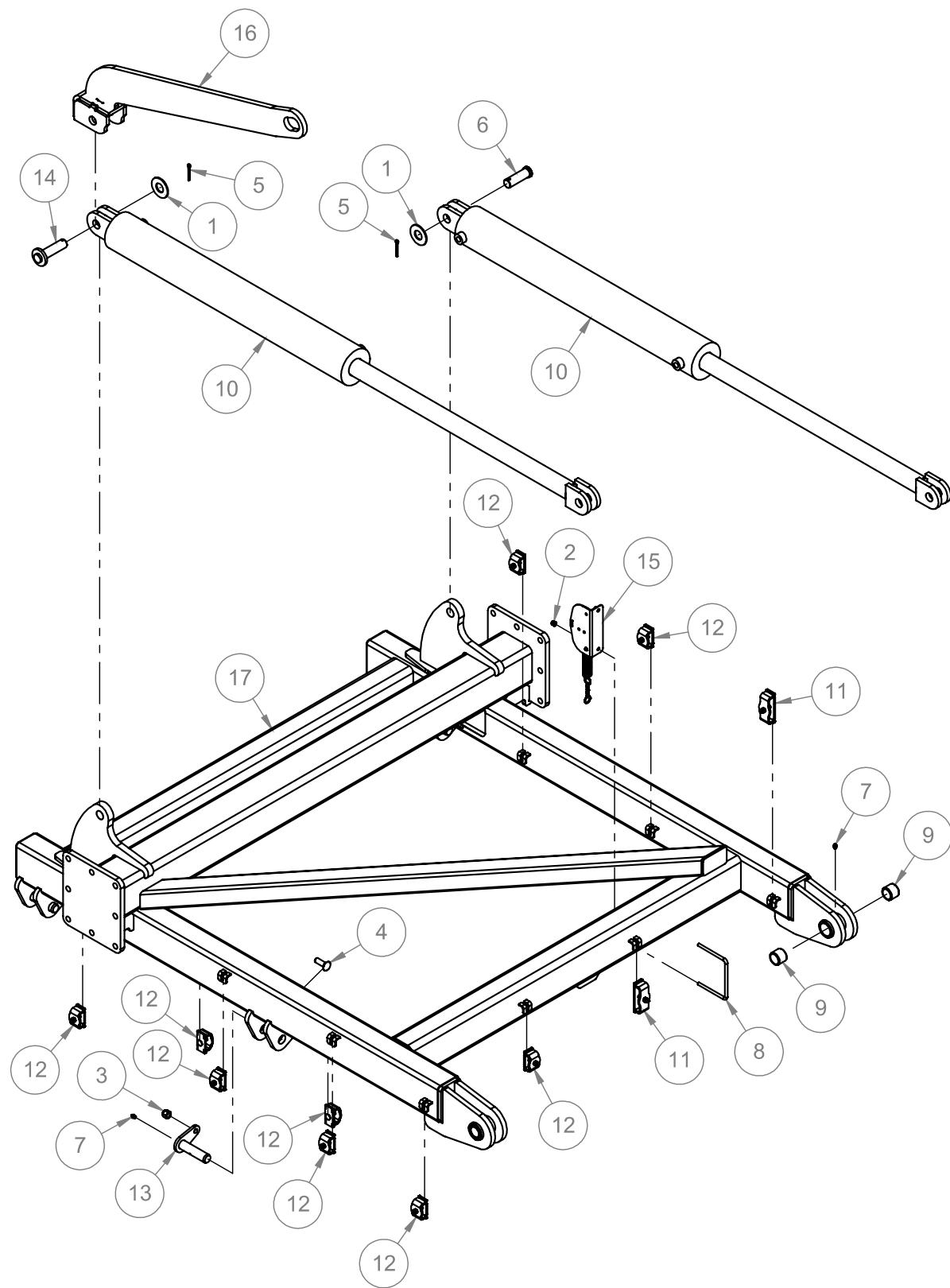


Parts Manual

<i>Misc. Small Assemblies</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-002	WASHER 5/16 PLATED ASME WIDE	12
2	102-005	WASHER 1/2 PLATED SAE	2
3	102-007	WASHER 5/8 PLATED SAE	1
4	112-007	JAM NUT, 5/8 UNC GR 2 PLATED	2
5	114-002	LOCKNUT, 5/16" UNC NYL INS GR 2 YZ	2
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	3
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	6
8	125-035	BOLT, 5/16 X 3 UNC GR5 PLATED	2
9	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	2
10	125-119	BOLT, 1/2 X 5-1/2 UNC GR5 PLATED	4
11	125-173	BOLT, 5/8 X 6-1/2 UNC GR5 PLATED	1
12	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	2
13	145-059	CARR. BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	1
14	212-169	COMP. SPRING, 0.105 WIRE, 7/8" PD, 3" FL, DYNALINE P/N: 24792	1
15	212-324	PRINCE STROKE CONTROL VALVE, P/N: PM-SC-10	1
16	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	1
17	600-1058	HOSE CLAMP, WIDE	1
18	600-1060	LOWER PLATE, WIDE	1
19	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	1
20	600-1062	HOSE CLAMP, NARROW	1
21	600-1064	LOWER PLATE, NARROW	1
22	600-1065	HOSE CLAMP KIT, 1-1/4" X 5"	1
23	600-1066	HOSE CLAMP, 5" WIDE	1
24	600-1068	LOWER PLATE, 5" WIDE	1
25	600-3017	PLUNGER ASSEMBLY	1
26	600-3018	MOUNT, STOP VALVE PLUNGER	1
27	600-3020	BASE PLATE	1
28	600-3021	STOP MOUNT PLATE, ASSEMBLY	1
29	600-3022	CLAMP PLATE	1

Parts Manual

30'/33' Outer Wing, Left-hand



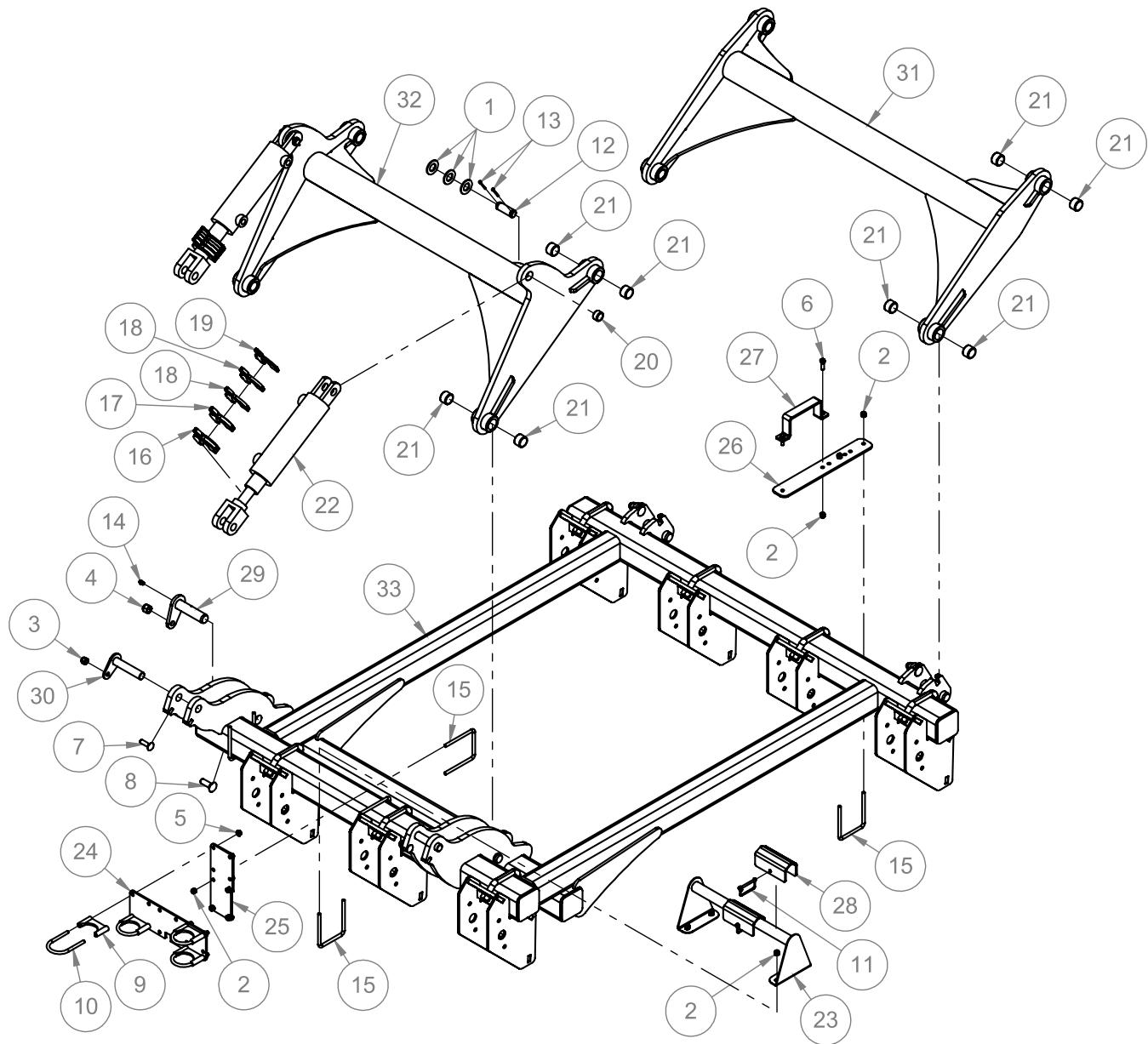
Parts Manual

30'/33' Outer Wing, Left-hand

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	2
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	2
3	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
4	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
5	170-080	COTTER PIN, 1/4 X 2 PLATED	2
6	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	1
7	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
8	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PL	1
9	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	4
10	212-159	5" x 40", Ram Part No. R4508695	2
11	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	2
12	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	9
13	600-1222	PIN, 1-1/4" DIA	4
14	600-1260	CYLINDER PIN, 30'/40' WING LOCK	1
15	600-1282	WORK SWITCH KIT	1
16	600-1322	WING LOCK 30' RAM CYL	1
17	600-3012	WING, LH, 30'	1

Parts Manual

30'/33' Outer Wing, Left-hand, Subframe

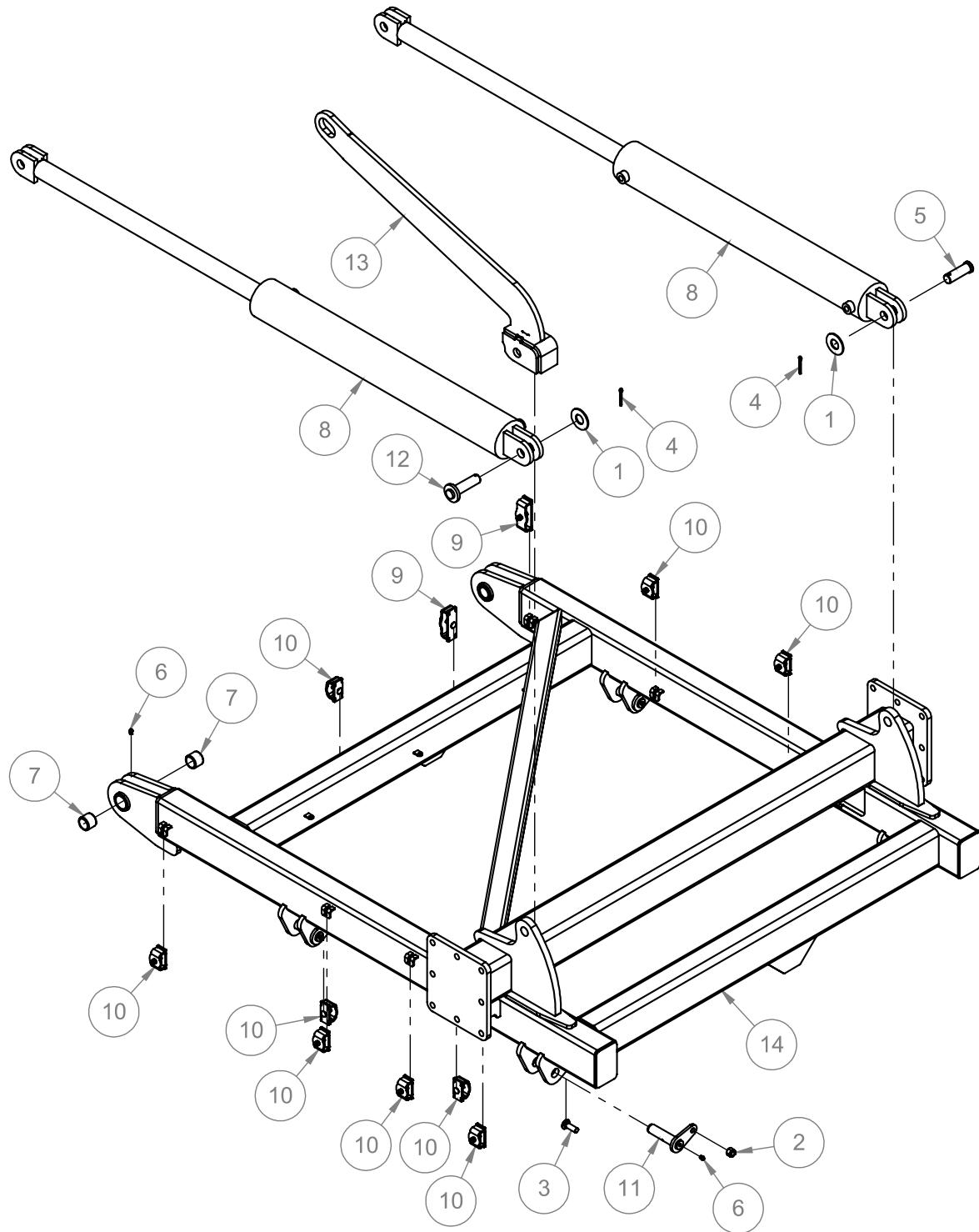


Parts Manual

<i>30'/33' Outer Wing, Left-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	12
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	5
16	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2
17	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2
18	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4
19	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2
20	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2
21	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
22	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2
23	600-1072	SPACER STORAGE FRAME	1
24	600-1074	BRACKET, HEADER TOWER CROSS	1
25	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
26	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
27	600-1178	HOSE STRAP	1
28	600-1184	SAFETY STOP	2
29	600-1222	PIN, 1-1/4" DIA	4
30	600-1224	PIN, 1" DIA	2
31	600-3005	TORQUE TUBE, 30' WING, FRONT	1
32	600-3007	TORQUE TUBE, 30' WING, BACK	1
33	600-3014 600-3016	SUBFRAME, LH, 30' SUBFRAME, LH, 33' (NOT SHOWN)	1

Parts Manual

30'/33' Outer Wing, Right-hand

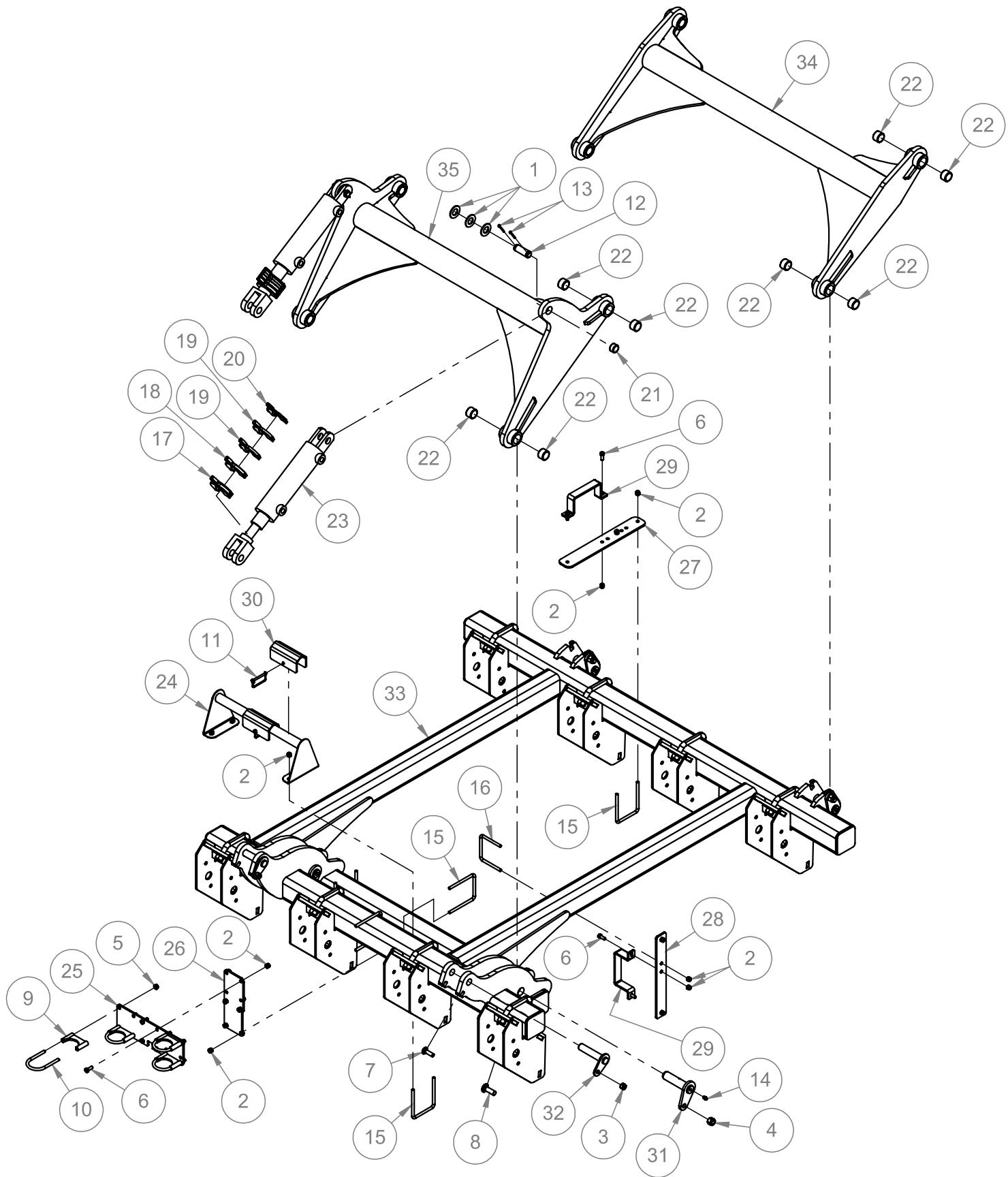


Parts Manual

30'/33' Outer Wing, Right-hand			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
3	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
4	170-080	COTTER PIN, 1/4 X 2 PLATED	2
5	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	1
6	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
7	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	4
8	212-159	5" x 40", Ram Part No. R4508695	2
9	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	2
10	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	9
11	600-1222	PIN, 1-1/4" DIA	4
12	600-1260	CYLINDER PIN, 30'/40' WING LOCK	1
13	600-1322	WING LOCK 30' RAM CYL	1
14	600-3001	WING, RH, 30'	1

Parts Manual

30'/33' Outer Wing, Right-hand, Subframe

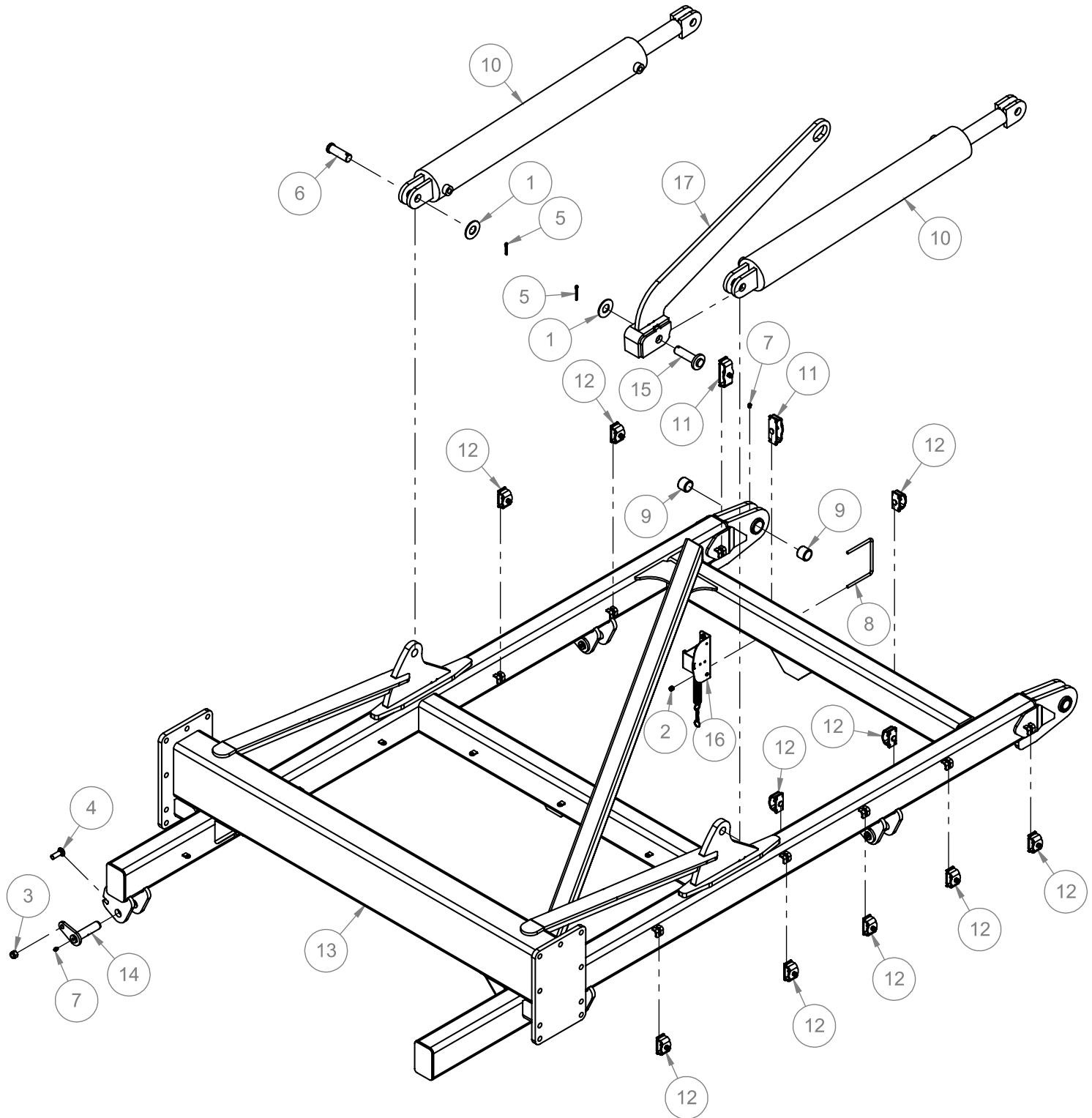


Parts Manual

<i>30'/33' Outer Wing, Right-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	20
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	8
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	5
16	185-003	U-BOLT, 3/8 X 4-1/16 W X 4 H, UNC GR5 PL	1
17	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2
18	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2
19	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4
20	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2
21	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2
22	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
23	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2
24	600-1072	SPACER STORAGE FRAME	1
25	600-1074	BRACKET, HEADER TOWER CROSS	1
26	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
27	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
28	600-1170	BRACKET, AIR PACK	1
29	600-1178	HOSE STRAP	2
30	600-1184	SAFETY STOP	2
31	600-1222	PIN, 1-1/4" DIA	4
32	600-1224	PIN, 1" DIA	2
33	600-3003 600-3009	SUBFRAME, RH, 30' SUBFRAME, RH, 33' (NOT SHOWN)	1
34	600-3005	TORQUE TUBE, 30' WING, FRONT	1
35	600-3007	TORQUE TUBE, 30' WING, BACK	1

Parts Manual

40' Wing, Left-hand

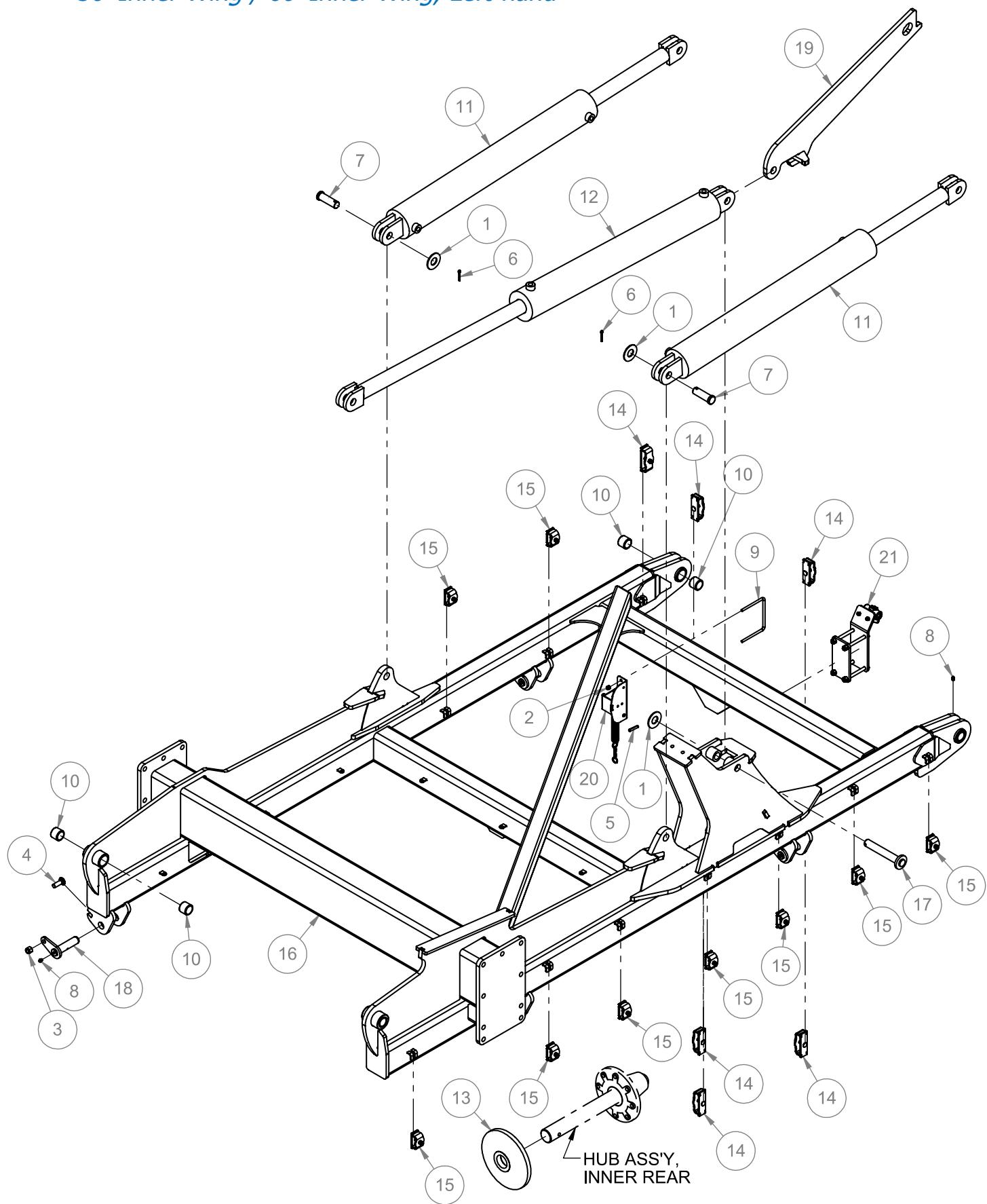


Parts Manual

<i>40' Wing, Left-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	2
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	2
3	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
4	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
5	170-080	COTTER PIN, 1/4 X 2 PLATED	2
6	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	1
7	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
8	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PL	1
9	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	4
10	212-159	5" x 40", Ram Part No. R4508695	2
11	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	2
12	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	10
13	600-1122	WING, LEFT, 40'	1
14	600-1222	PIN, 1-1/4" DIA	4
15	600-1260	CYLINDER PIN, 30'/40' WING LOCK	1
16	600-1282	WORK SWITCH KIT	1
17	600-2001	WING LOCK, 40', RAM CYL	1

Parts Manual

50' Inner Wing / 60' Inner Wing, Left-hand

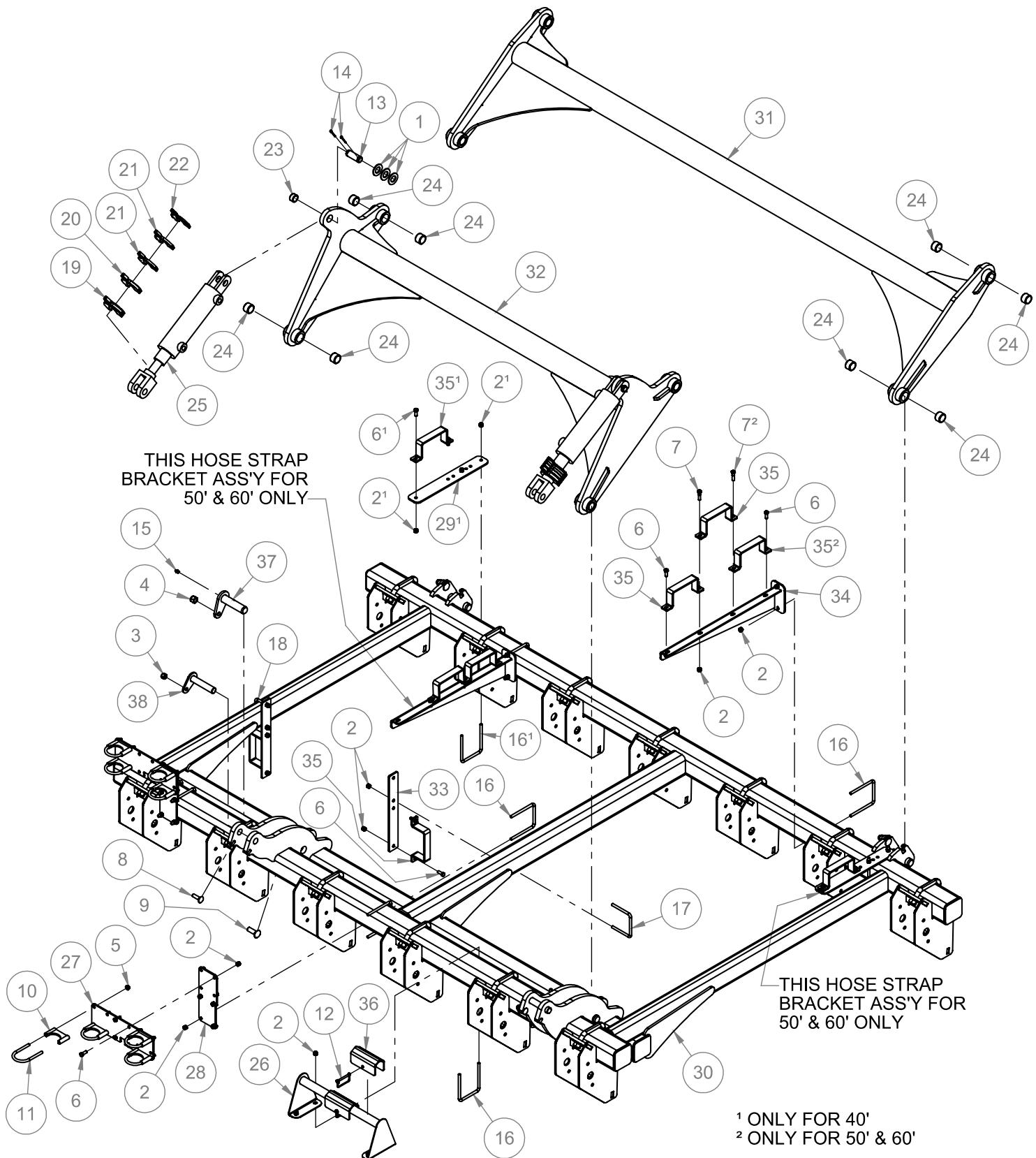


Parts Manual

<i>50' Inner Wing / 60' Inner Wing, Left-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	2
3	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
4	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
5	170-027	ROLL PIN, 3/8 X 2 PLATED	1
6	170-080	COTTER PIN, 1/4 X 2 PLATED	2
7	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	2
8	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
9	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PL	1
10	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	8
11	212-159	5" x 40", Ram Part No. R4508695	2
12	212-160	5" x 40", Ram Part No. R4508696	1
13	212-229	RAIN SHIELD, 6000# HUB	1
14	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	6
15	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	9
16	600-1120	INNER WING, LEFT	1
17	600-1218	PIN, WING LIFT CYLINDER	1
18	600-1222	PIN, 1-1/4" DIA	4
19	600-1252	WING LOCK ARM	1
20	600-1282	WORK SWITCH KIT	1
21	600-3021	STOP MOUNT PLATE, ASSEMBLY	N/A (50') 1 (60')

Parts Manual

40' Wing / 50' Inner Wing / 60' Inner Wing, Left-hand, Subframe

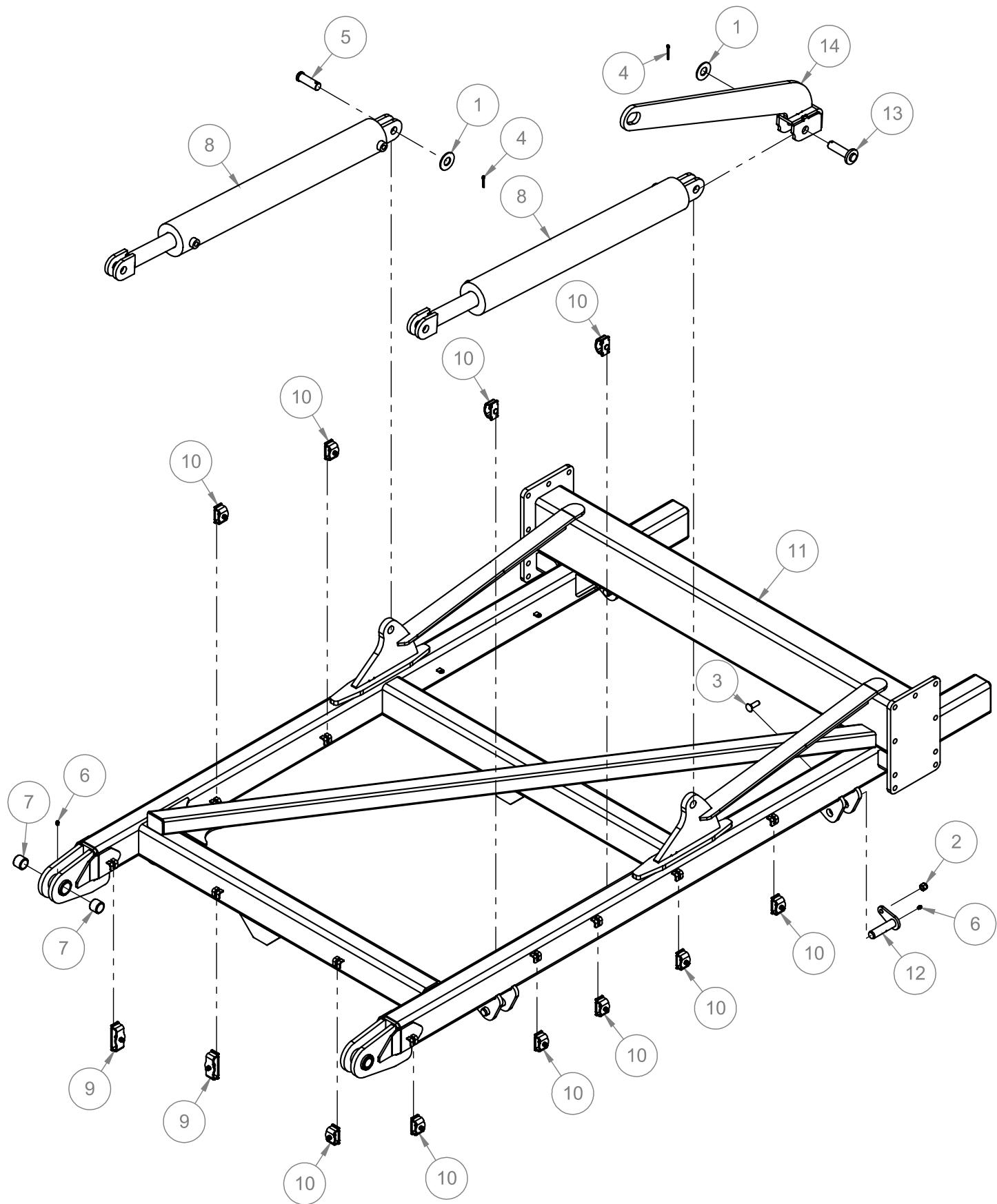


Parts Manual

<i>40' Wing / 50' Inner Wing / 60' Inner Wing, Left-hand, Subframe</i>				
ITEM NO.	PART NUMBER	DESCRIPTION	40' QTY	50'/60' QTY
1	102-010	WASHER 1 PLATED SAE	6	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	33	39
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	16	16
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	12	14
7	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1	3
8	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2	2
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4	4
10	165-006	MUFFLER CLAMP, 2.625" ID	8	8
11	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	8	8
12	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2	2
13	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2	2
14	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4	4
15	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4	4
16	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	8	9
17	185-003	U-BOLT, 3/8 X 4-1/16 W X 4 H, UNC GR5 PL	1	1
18	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PL	1	1
19	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2	2
20	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2	2
21	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4	4
22	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2	2
23	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2	2
24	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16	16
25	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2	2
26	600-1072	SPACER STORAGE FRAME	1	1
27	600-1074	BRACKET, HEADER TOWER CROSS	2	2
28	600-1076	BRACKET, HEADER TOWER UPRIGHT	2	2
29	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1	1
30	600-1098	SUBFRAME, LH, INNER WING	1	1
31	600-1134	TORQUE TUBE, INNER WING, FRONT	1	1
32	600-1150	TORQUE TUBE, LH, INNER WING, BACK	1	1
33	600-1170	BRACKET, AIR PACK	2	2
34	600-1176	PRIMARY HOSE BRACKET	1	2
35	600-1178	HOSE STRAP	5	8
36	600-1184	SAFETY STOP	2	2
37	600-1222	PIN, 1-1/4" DIA	4	4
38	600-1224	PIN, 1" DIA	2	2

Parts Manual

40' Wing, Right-hand



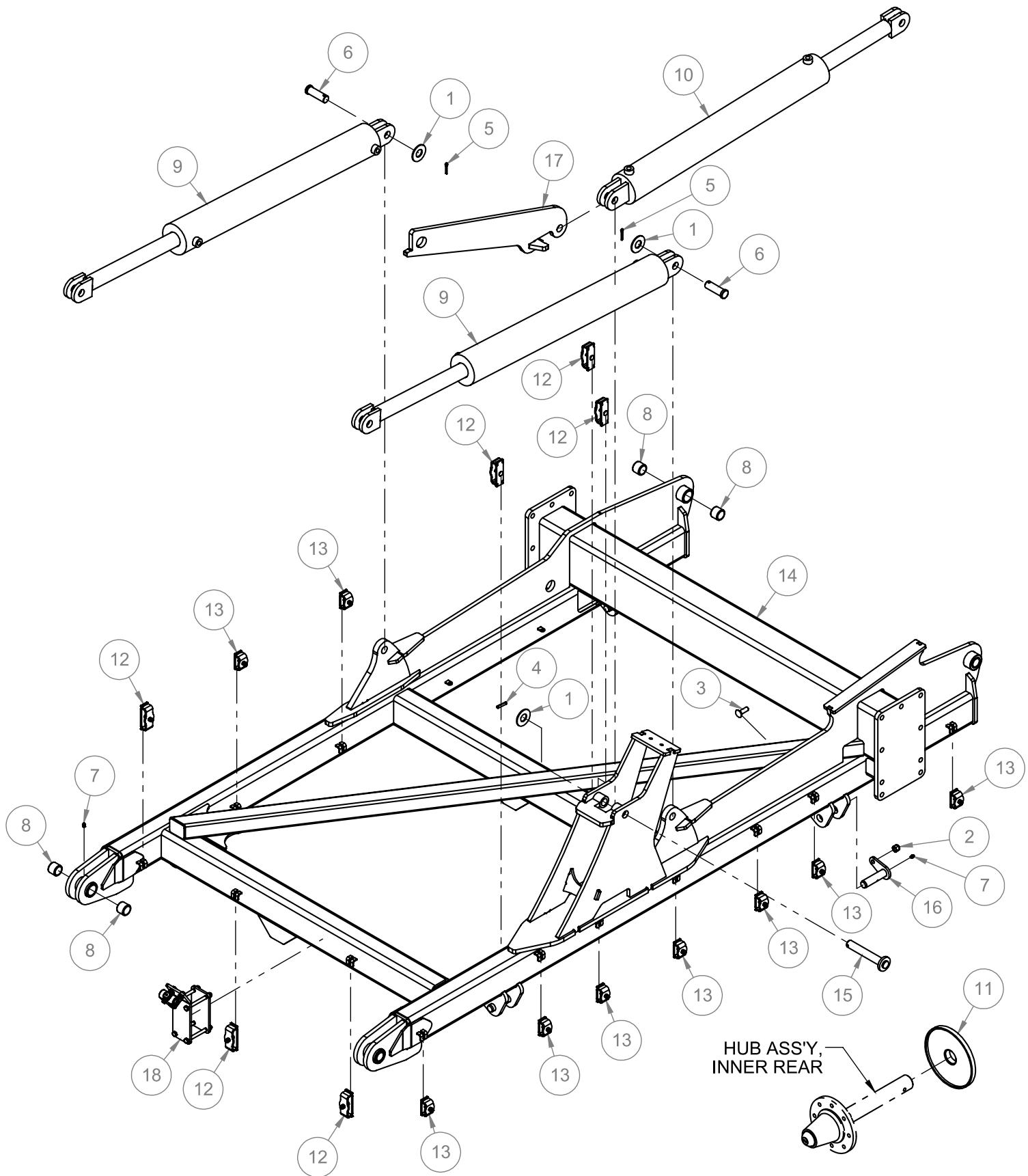
Parts Manual

40' Wing, Right-hand

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
3	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
4	170-080	COTTER PIN, 1/4 X 2 PLATED	2
5	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	1
6	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
7	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	4
8	212-159	5" x 40", Ram Part No. R4508695	2
9	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	2
10	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	10
11	600-1108	WING, RIGHT, 40'	1
12	600-1222	PIN, 1-1/4" DIA	4
13	600-1260	CYLINDER PIN, 30'/40' WING LOCK	1
14	600-2001	WING LOCK, 40', RAM CYL	1

Parts Manual

50' Inner Wing / 60' Inner Wing, Right-hand

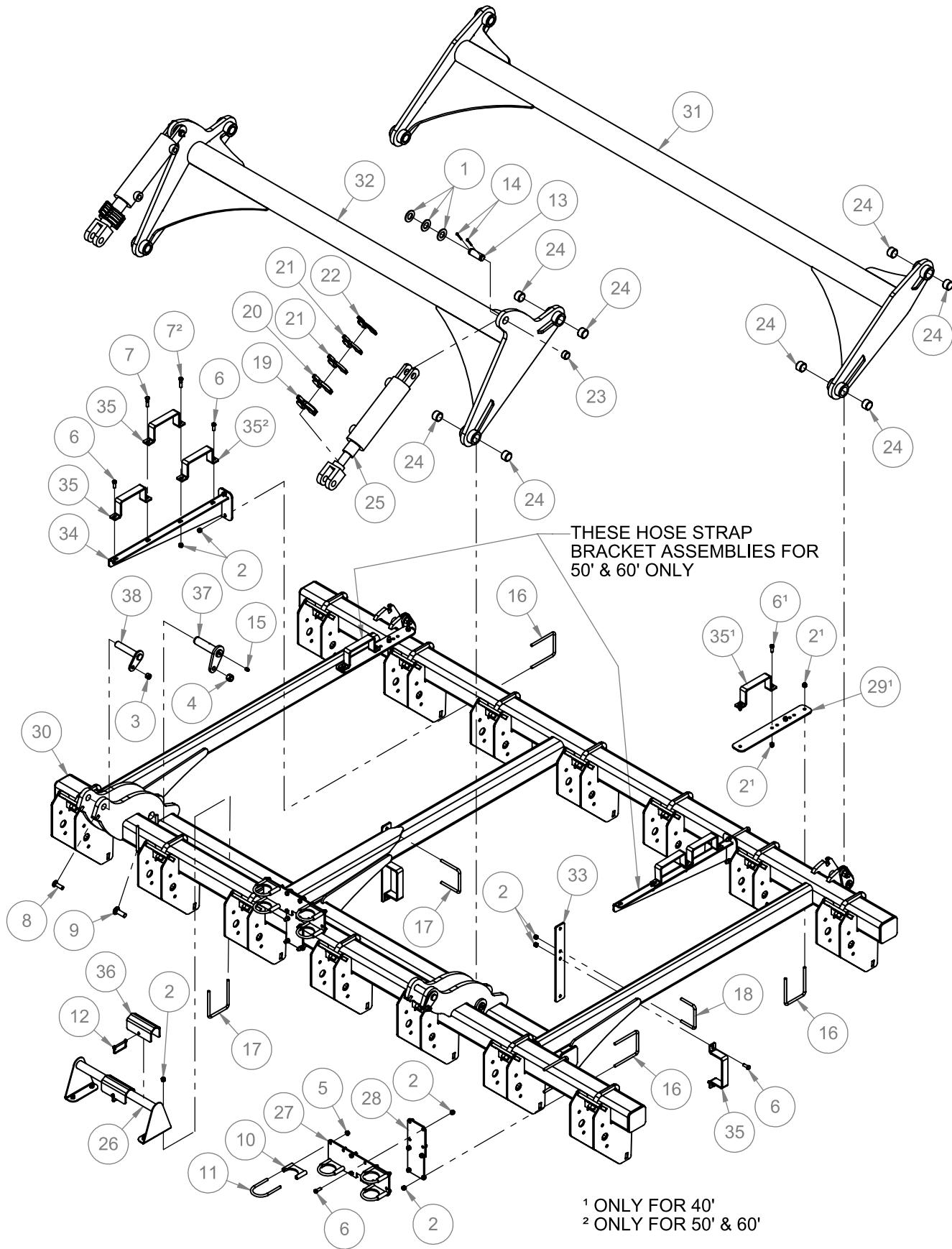


Parts Manual

<i>50' Inner Wing / 60' Inner Wing, Right-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
3	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
4	170-027	ROLL PIN, 3/8 X 2 PLATED	1
5	170-080	COTTER PIN, 1/4 X 2 PLATED	2
6	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 PLATED	2
7	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	6
8	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	8
9	212-159	5" x 40", Ram Part No. R4508695	2
10	212-160	5" x 40", Ram Part No. R4508696	1
11	212-229	RAIN SHIELD, 6000# HUB	1
12	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	6
13	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	9
14	600-1106	INNER WING, RIGHT	1
15	600-1218	PIN, WING LIFT CYLINDER	1
16	600-1222	PIN, 1-1/4" DIA	4
17	600-1252	WING LOCK ARM	1
18	600-3021	STOP MOUNT PLATE, ASSEMBLY	N/A (50') 1 (60')

Parts Manual

40' Wing / 50' Inner Wing / 60' Inner Wing, Right-hand, Subframe

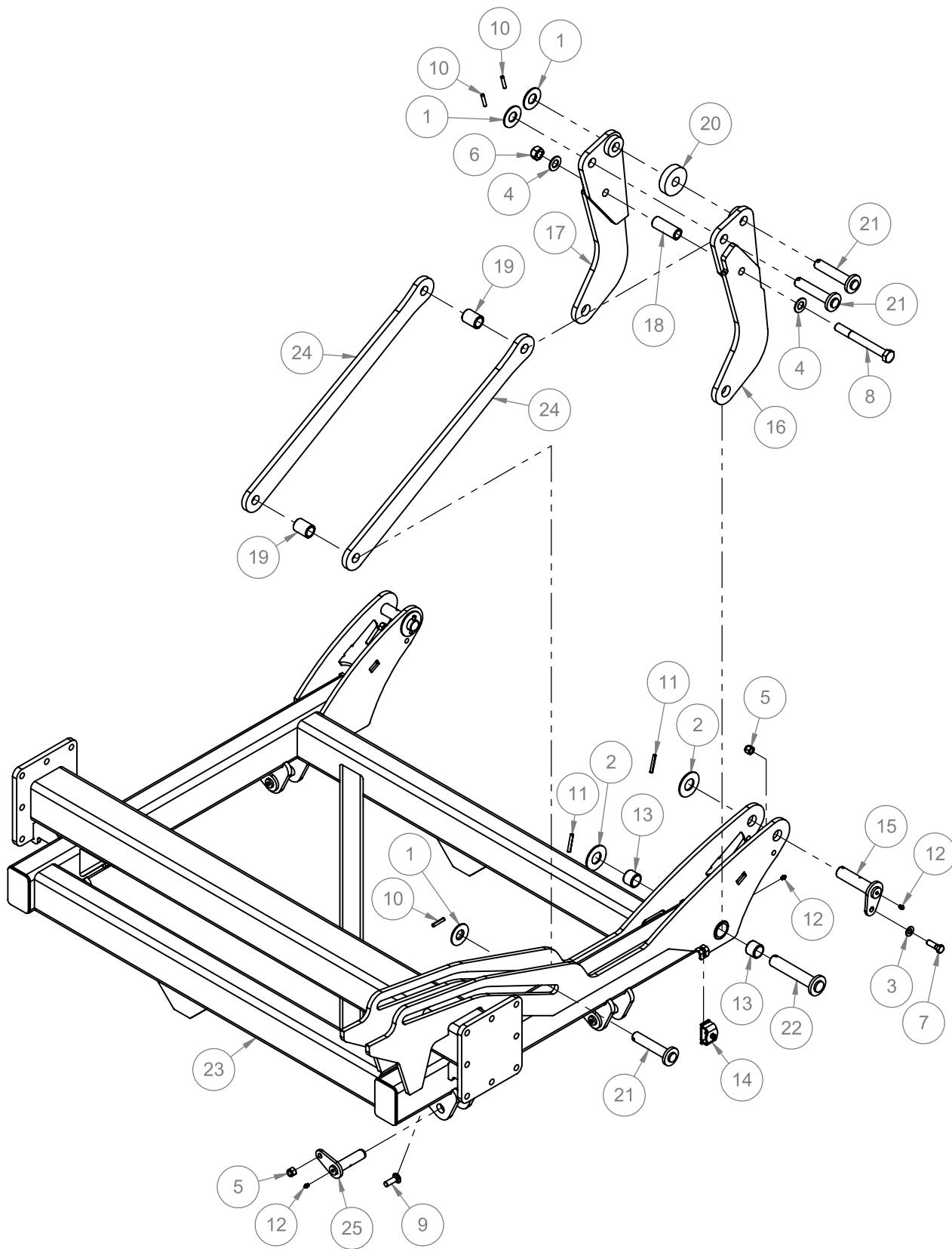


Parts Manual

<i>40' Wing / 50' Inner Wing / 60' Inner Wing, Right-hand, Subframe</i>				
ITEM NO.	PART NUMBER	DESCRIPTION	40' QTY	50'/60' QTY
1	102-010	WASHER 1 PLATED SAE	6	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	37	43
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	16	16
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	16	18
7	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1	3
8	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2	2
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4	4
10	165-006	MUFFLER CLAMP, 2.625" ID	8	8
11	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	8	8
12	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2	2
13	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2	2
14	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4	4
15	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4	4
16	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	8	9
17	185-003	U-BOLT, 3/8 X 4-1/16 W X 4 H, UNC GR5 PL	1	1
18	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PL	1	1
19	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2	2
20	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2	2
21	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4	4
22	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2	2
23	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2	2
24	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16	16
25	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2	2
26	600-1072	SPACER STORAGE FRAME	1	1
27	600-1074	BRACKET, HEADER TOWER CROSS	2	2
28	600-1076	BRACKET, HEADER TOWER UPRIGHT	2	2
29	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1	1
30	600-1094	SUBFRAME, RH, INNER WING	1	1
31	600-1134	TORQUE TUBE, INNER WING, FRONT	1	1
32	600-1136	TORQUE TUBE, RH, INNER WING, BACK	1	1
33	600-1170	BRACKET, AIR PACK	2	2
34	600-1176	PRIMARY HOSE BRACKET	1	2
35	600-1178	HOSE STRAP	5	8
36	600-1184	SAFETY STOP	2	2
37	600-1222	PIN, 1-1/4" DIA	4	4
38	600-1224	PIN, 1" DIA	2	2

Parts Manual

50' Outer Wing, Left-hand



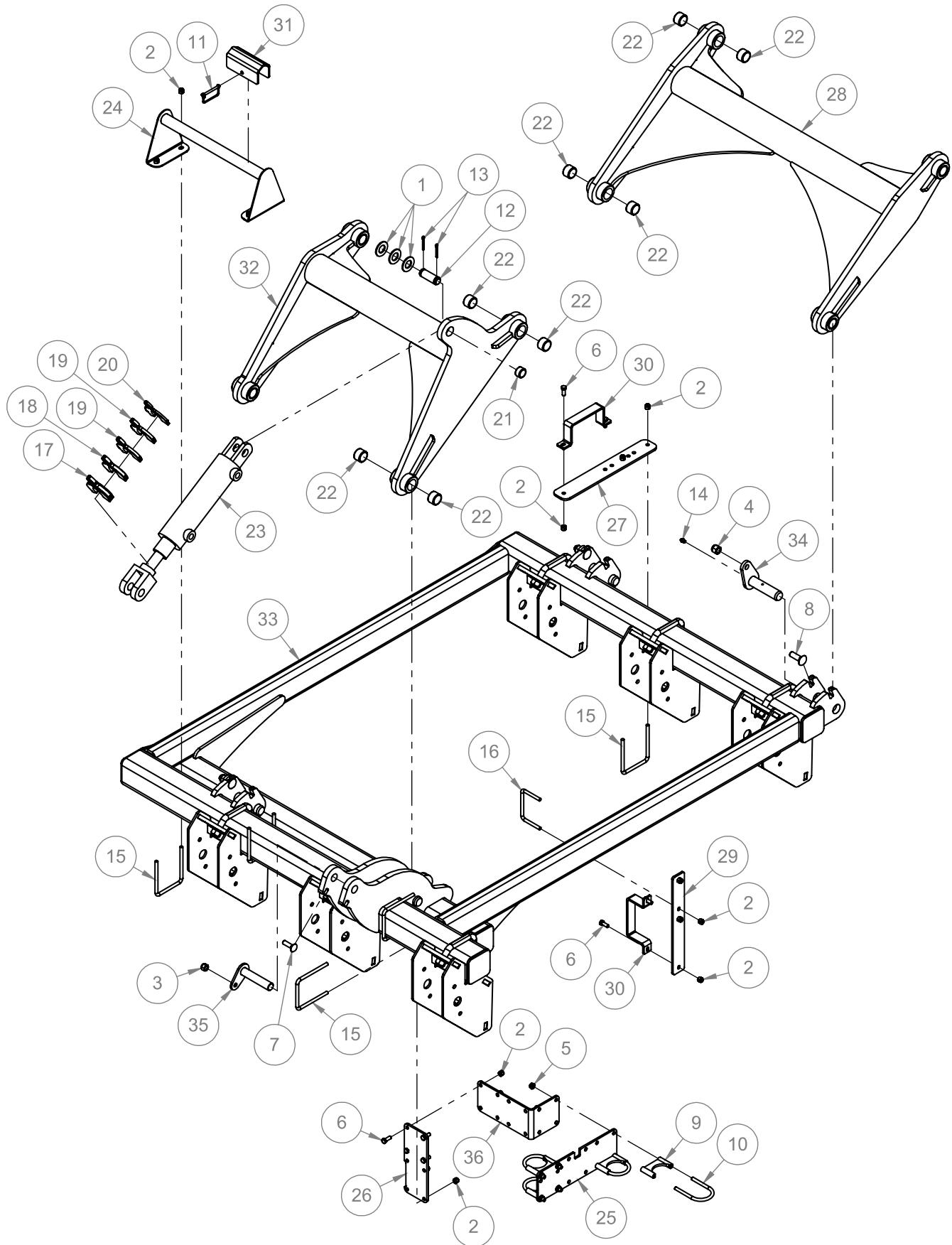
Parts Manual

50' Outer Wing, Left-hand

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	101-014	WASHER 1-1/2 PLATED USS	3
3	102-007	WASHER 5/8 PLATED SAE	2
4	102-010	WASHER 1 PLATED SAE	2
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	6
6	119-010	STOVER NUT, 1 UNF GR 2 PLATED	1
7	125-155	BOLT, 5/8 X 2 UNC GR5 PLATED	2
8	140-264	BOLT, 1 X 9 UNF GR8 PLATED	1
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
10	170-027	ROLL PIN, 3/8 X 2 PLATED	3
11	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	3
12	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	7
13	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	2
14	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	1
15	600-1124	PIN, FRAME PIVOT	2
16	600-1126	WING FOLD LINK, LEFT	1
17	600-1132	WING FOLD LINK, RIGHT	1
18	600-1138	SPACER, WING LIFT ARM	1
19	600-1158	LIFT LINK SPACER	2
20	600-1162	ROLLER	1
21	600-1164	PIN, WING LIFT ARM, CYLINDER	3
22	600-1166	PIN, WING LIFT ARM PIVOT	1
23	600-1212	OUTER WING, LH, 50'	1
24	600-1220	WING LIFT LINK	2
25	600-1222	PIN, 1-1/4" DIA	4

Parts Manual

50' Outer Wing, Left-hand, Subframe

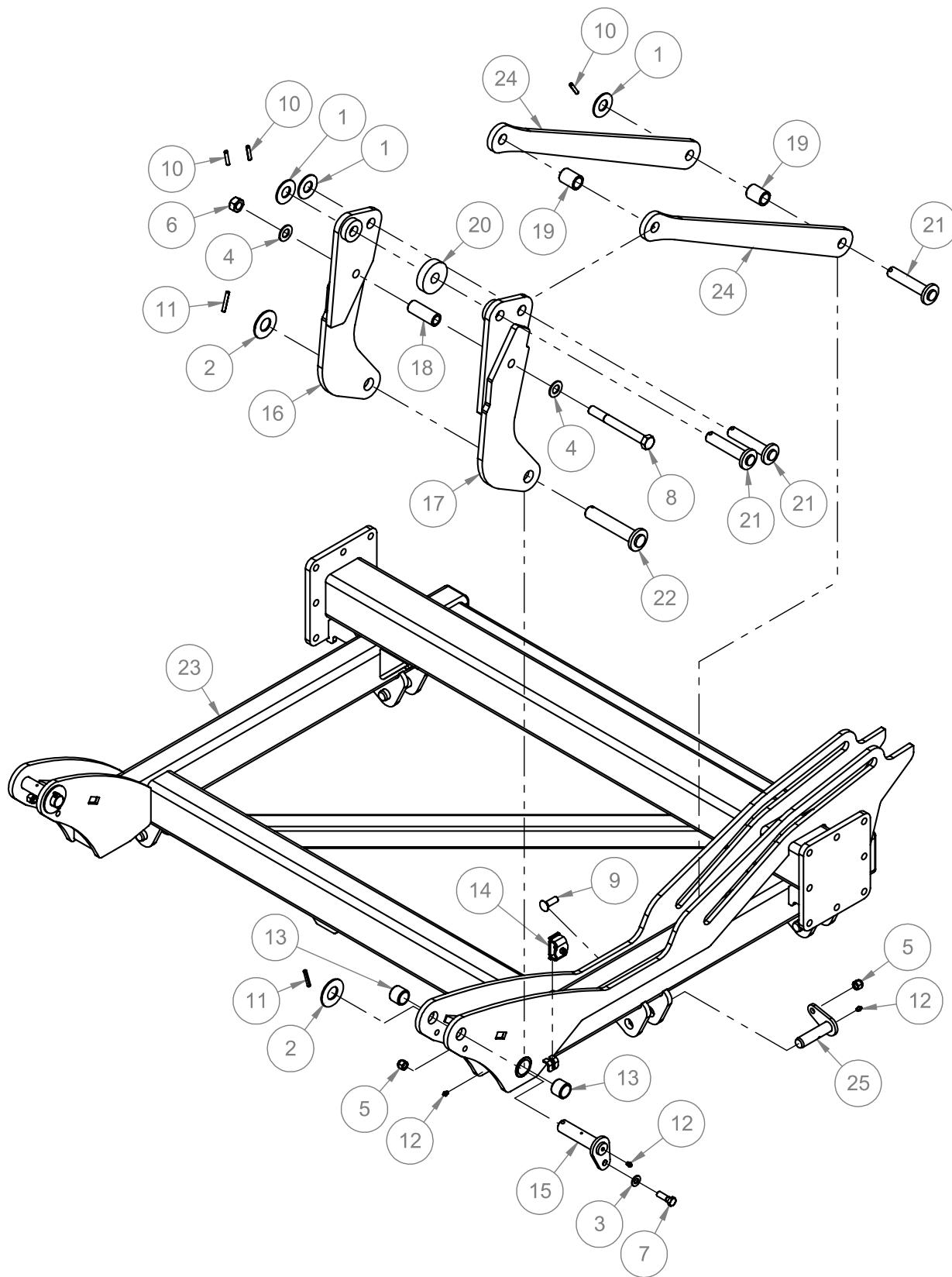


Parts Manual

<i>50' Outer Wing, Left-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	3
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	20
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	8
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	1
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	1
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	2
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	5
16	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PL	1
17	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	1
18	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	1
19	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	2
20	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	1
21	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	1
22	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
23	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	1
24	600-1072	SPACER STORAGE FRAME	1
25	600-1074	BRACKET, HEADER TOWER CROSS	1
26	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
27	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
28	600-1148	TORQUE TUBE, NARROW FRONT	1
29	600-1170	BRACKET, AIR PACK	1
30	600-1178	HOSE STRAP	2
31	600-1184	SAFETY STOP	1
32	600-1210	TORQUE TUBE, LH, 50' OUTER WING, BACK	1
33	600-1214	SUBFRAME, LH, 50' OUTER	1
34	600-1222	PIN, 1-1/4" DIA	4
35	600-1224	PIN, 1" DIA	1
36	600-1324	BRACKET, HEADER TOWER CROSS, BENT	1

Parts Manual

50' Outer Wing, Right-hand

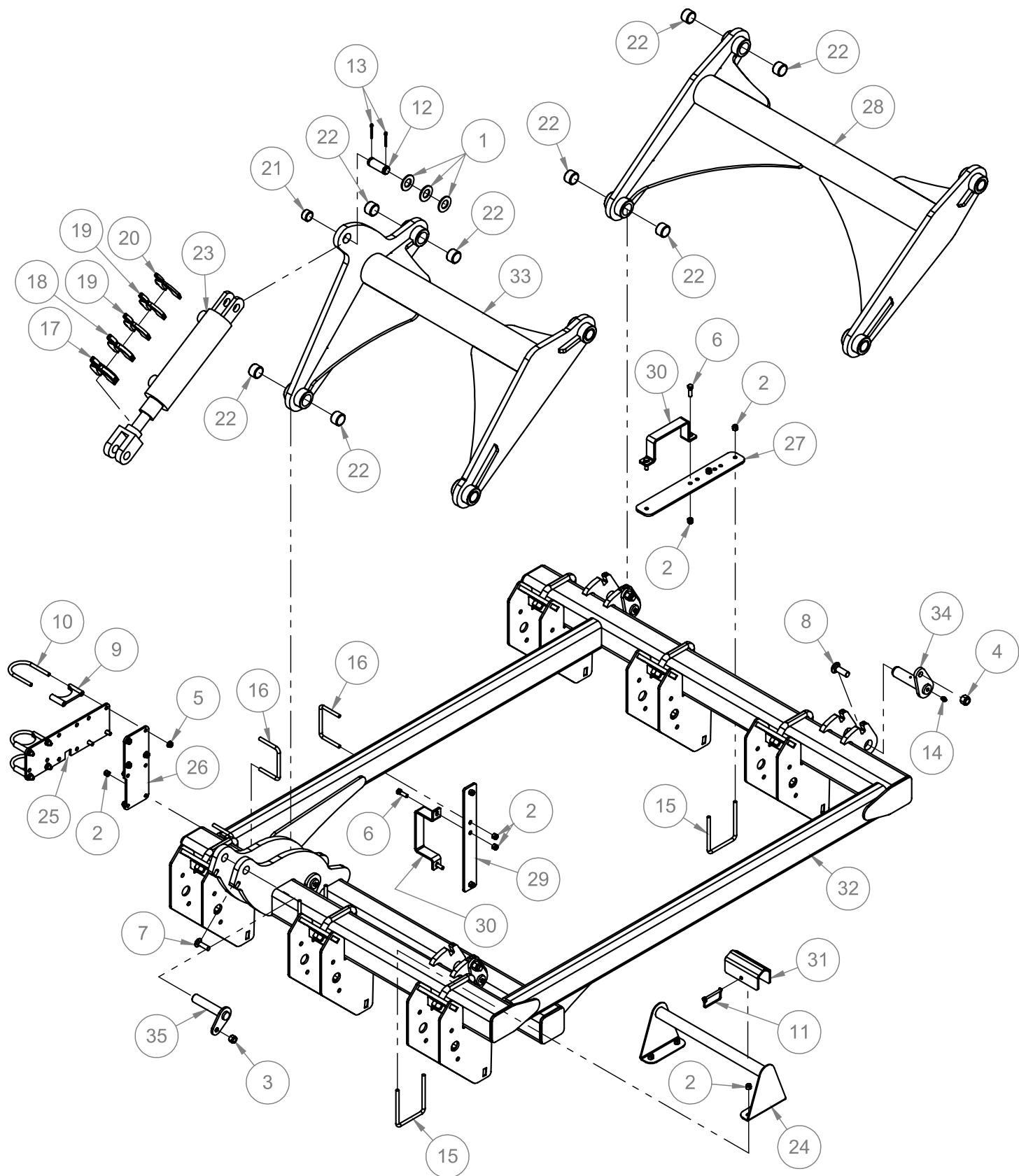


Parts Manual

<i>50' Outer Wing, Right-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	101-014	WASHER 1-1/2 PLATED USS	3
3	102-007	WASHER 5/8 PLATED SAE	2
4	102-010	WASHER 1 PLATED SAE	2
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	6
6	119-010	STOVER NUT, 1 UNF GR 2 PLATED	1
7	125-155	BOLT, 5/8 X 2 UNC GR5 PLATED	2
8	140-264	BOLT, 1 X 9 UNF GR8 PLATED	1
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
10	170-027	ROLL PIN, 3/8 X 2 PLATED	3
11	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	3
12	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	7
13	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	2
14	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	1
15	600-1124	PIN, FRAME PIVOT	2
16	600-1126	WING FOLD LINK, LEFT	1
17	600-1132	WING FOLD LINK, RIGHT	1
18	600-1138	SPACER, WING LIFT ARM	1
19	600-1158	LIFT LINK SPACER	2
20	600-1162	ROLLER	1
21	600-1164	PIN, WING LIFT ARM, CYLINDER	3
22	600-1166	PIN, WING LIFT ARM PIVOT	1
23	600-1200	OUTER WING, RH, 50'	1
24	600-1220	WING LIFT LINK	2
25	600-1222	PIN, 1-1/4" DIA	4

Parts Manual

50' Outer Wing, Right-hand, Subframe

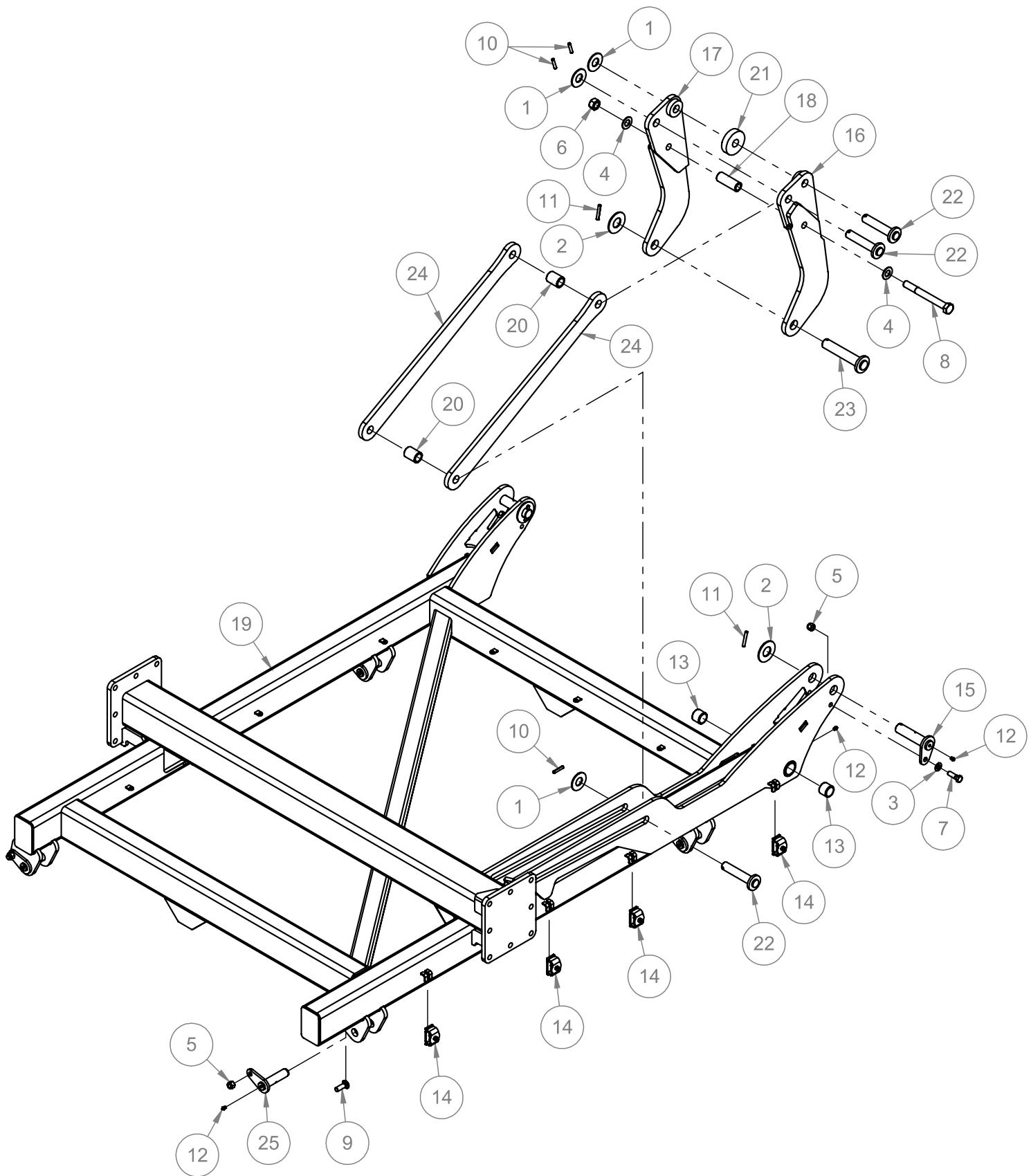


Parts Manual

<i>50' Outer Wing, Right-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	3
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	16
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	4
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	1
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	1
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	2
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	3
16	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PL	3
17	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	1
18	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	1
19	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	2
20	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	1
21	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	1
22	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
23	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	1
24	600-1072	SPACER STORAGE FRAME	1
25	600-1074	BRACKET, HEADER TOWER CROSS	1
26	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
27	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
28	600-1148	TORQUE TUBE, NARROW FRONT	1
29	600-1170	BRACKET, AIR PACK	1
30	600-1178	HOSE STRAP	2
31	600-1184	SAFETY STOP	1
32	600-1205	SUBFRAME, RH, 50' OUTER	1
33	600-1208	TORQUE TUBE, RH, 50' OUTER WING, BACK	1
34	600-1222	PIN, 1-1/4" DIA	4
35	600-1224	PIN, 1" DIA	1

Parts Manual

60' Outer Wing, Left-hand

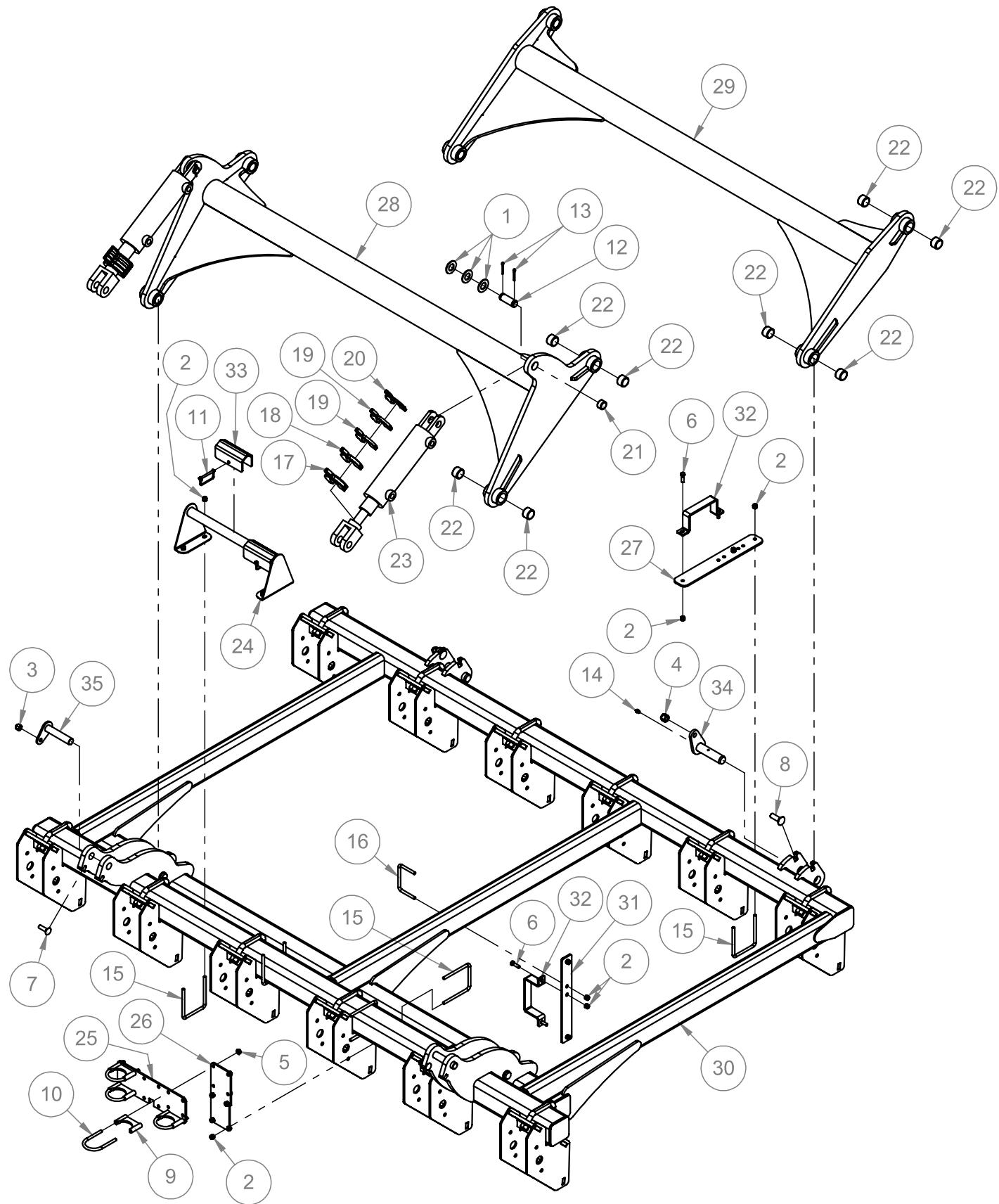


Parts Manual

<i>60' Outer Wing, Left-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	101-014	WASHER 1-1/2 PLATED USS	3
3	102-007	WASHER 5/8 PLATED SAE	2
4	102-010	WASHER 1 PLATED SAE	2
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	6
6	119-010	STOVER NUT, 1 UNF GR 2 PLATED	1
7	125-155	BOLT, 5/8 X 2 UNC GR5 PLATED	2
8	140-264	BOLT, 1 X 9 UNF GR8 PLATED	1
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
10	170-027	ROLL PIN, 3/8 X 2 PLATED	3
11	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	3
12	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	7
13	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	2
14	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	4
15	600-1124	PIN, FRAME PIVOT	2
16	600-1126	WING FOLD LINK, LEFT	1
17	600-1132	WING FOLD LINK, RIGHT	1
18	600-1138	SPACER, WING LIFT ARM	1
19	600-1146	OUTER WING, LH, 60'	1
20	600-1158	LIFT LINK SPACER	2
21	600-1162	ROLLER	1
22	600-1164	PIN, WING LIFT ARM, CYLINDER	3
23	600-1166	PIN, WING LIFT ARM PIVOT	1
24	600-1220	WING LIFT LINK	2
25	600-1222	PIN, 1-1/4" DIA	4

Parts Manual

60' Outer Wing, Left-hand, Subframe

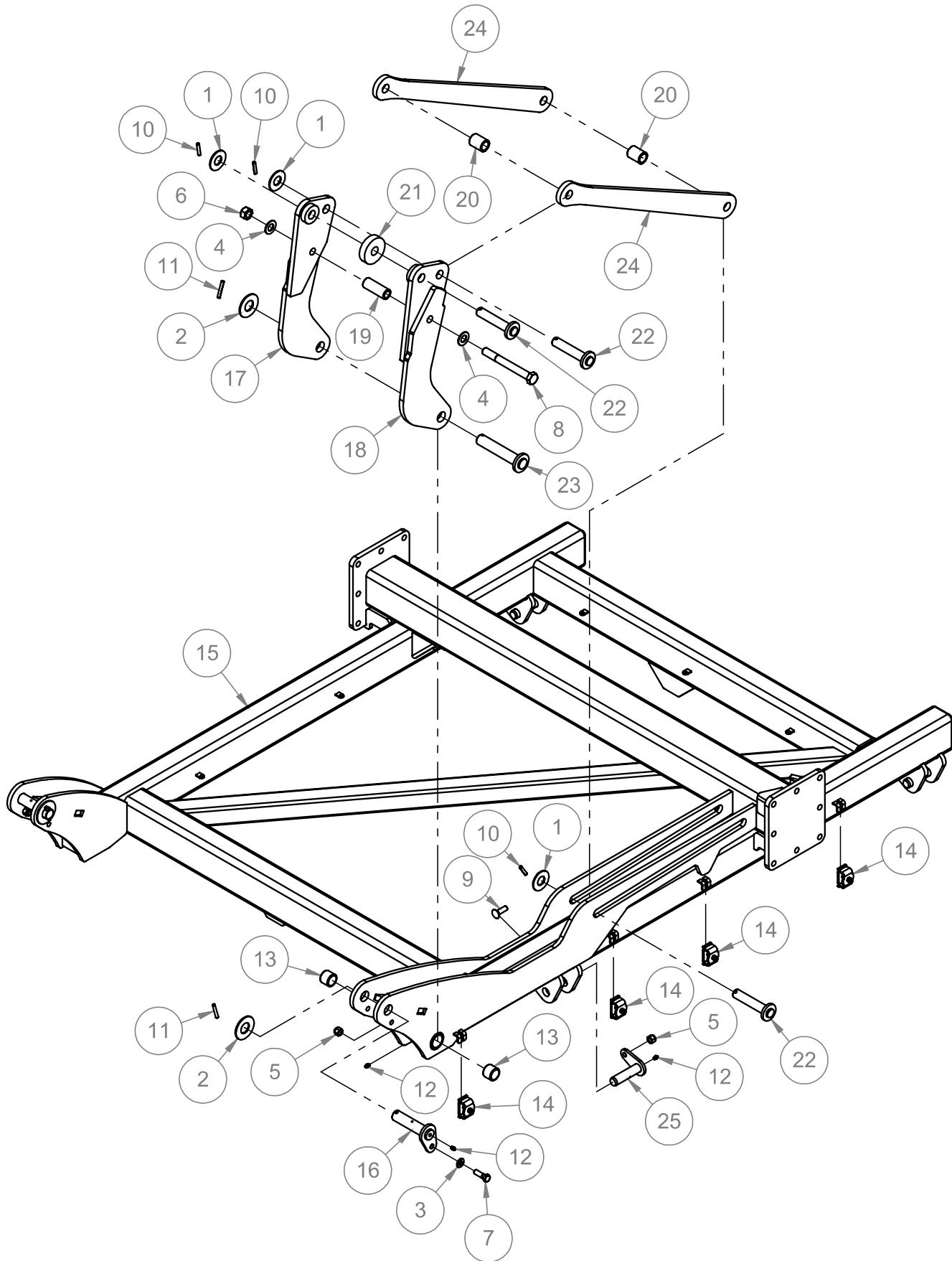


Parts Manual

<i>60' Outer Wing, Left-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	16
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	4
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	5
16	185-005	U-BOLT, 3/8 X 4-1/16 W X 3 H, UNC GR5 PL	1
17	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2
18	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2
19	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4
20	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2
21	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2
22	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
23	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2
24	600-1072	SPACER STORAGE FRAME	1
25	600-1074	BRACKET, HEADER TOWER CROSS	1
26	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
27	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
28	600-1128	TORQUE TUBE, 60' OUTER WING, BACK	1
29	600-1130	TORQUE TUBE, 60' OUTER WING, FRONT	1
30	600-1152	SUBFRAME, LH, 60' OUTER	1
31	600-1170	BRACKET, AIR PACK	1
32	600-1178	HOSE STRAP	2
33	600-1184	SAFETY STOP	2
34	600-1222	PIN, 1-1/4" DIA	4
35	600-1224	PIN, 1" DIA	2

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60' Outer Wing, Right-hand

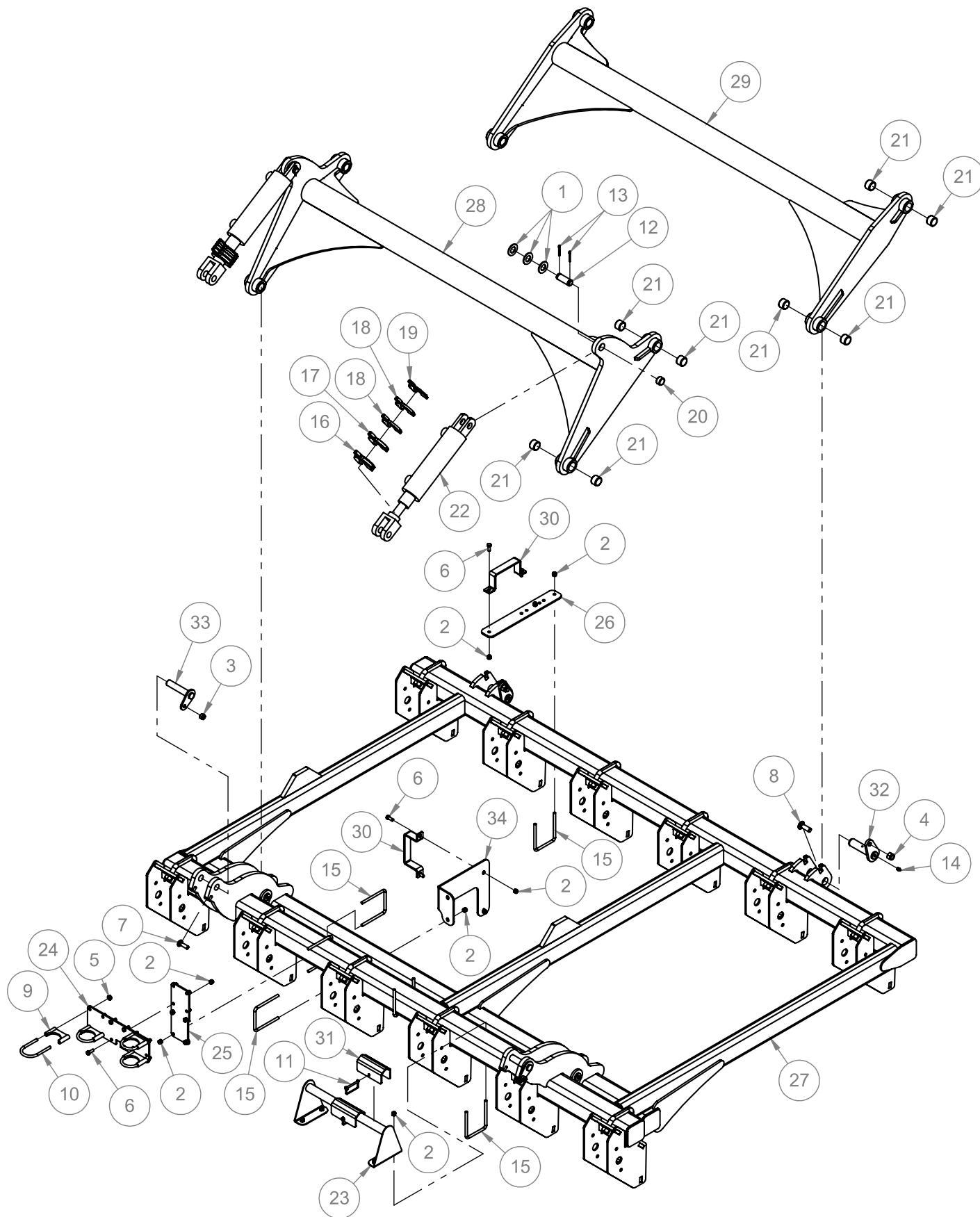


Parts Manual

<i>60' Outer Wing, Right-hand</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER 1-1/4 PLATED USS	3
2	101-014	WASHER 1-1/2 PLATED USS	3
3	102-007	WASHER 5/8 PLATED SAE	2
4	102-010	WASHER 1 PLATED SAE	2
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	6
6	119-010	STOVER NUT, 1 UNF GR 2 PLATED	1
7	125-155	BOLT, 5/8 X 2 UNC GR5 PLATED	2
8	140-264	BOLT, 1 X 9 UNF GR8 PLATED	1
9	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
10	170-027	ROLL PIN, 3/8 X 2 PLATED	3
11	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	3
12	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	7
13	212-068	TENSION BUSHING, 1-1/2" ID X 1-7/8" OD X 1-1/2" LG	2
14	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	4
15	600-1110	OUTER WING, RH, 60'	1
16	600-1124	PIN, FRAME PIVOT	2
17	600-1126	WING FOLD LINK, LEFT	1
18	600-1132	WING FOLD LINK, RIGHT	1
19	600-1138	SPACER, WING LIFT ARM	1
20	600-1158	LIFT LINK SPACER	2
21	600-1162	ROLLER	1
22	600-1164	PIN, WING LIFT ARM, CYLINDER	3
23	600-1166	PIN, WING LIFT ARM PIVOT	1
24	600-1220	WING LIFT LINK	2
25	600-1222	PIN, 1-1/4" DIA	4

Parts Manual

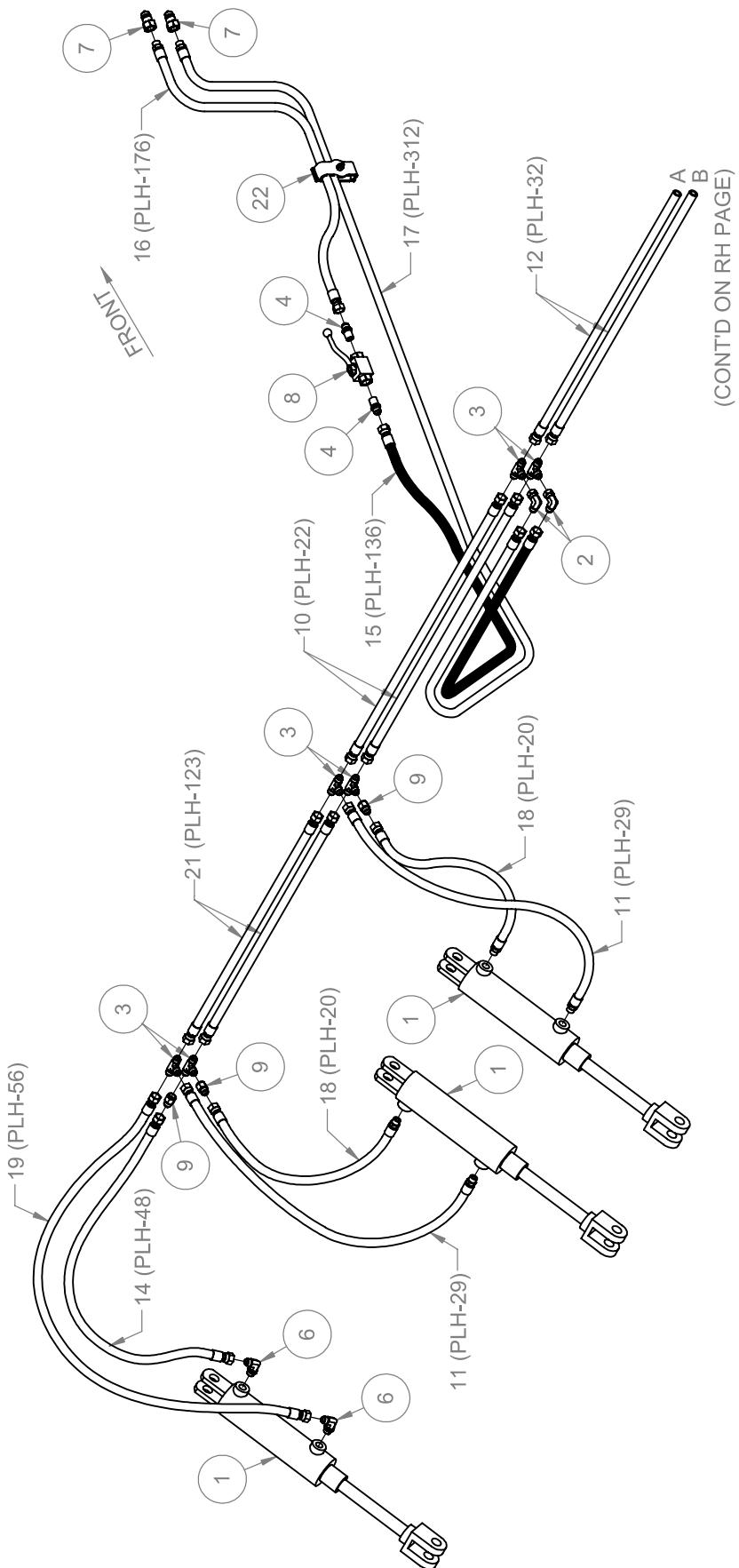
60' Outer Wing, Right-hand, Subframe



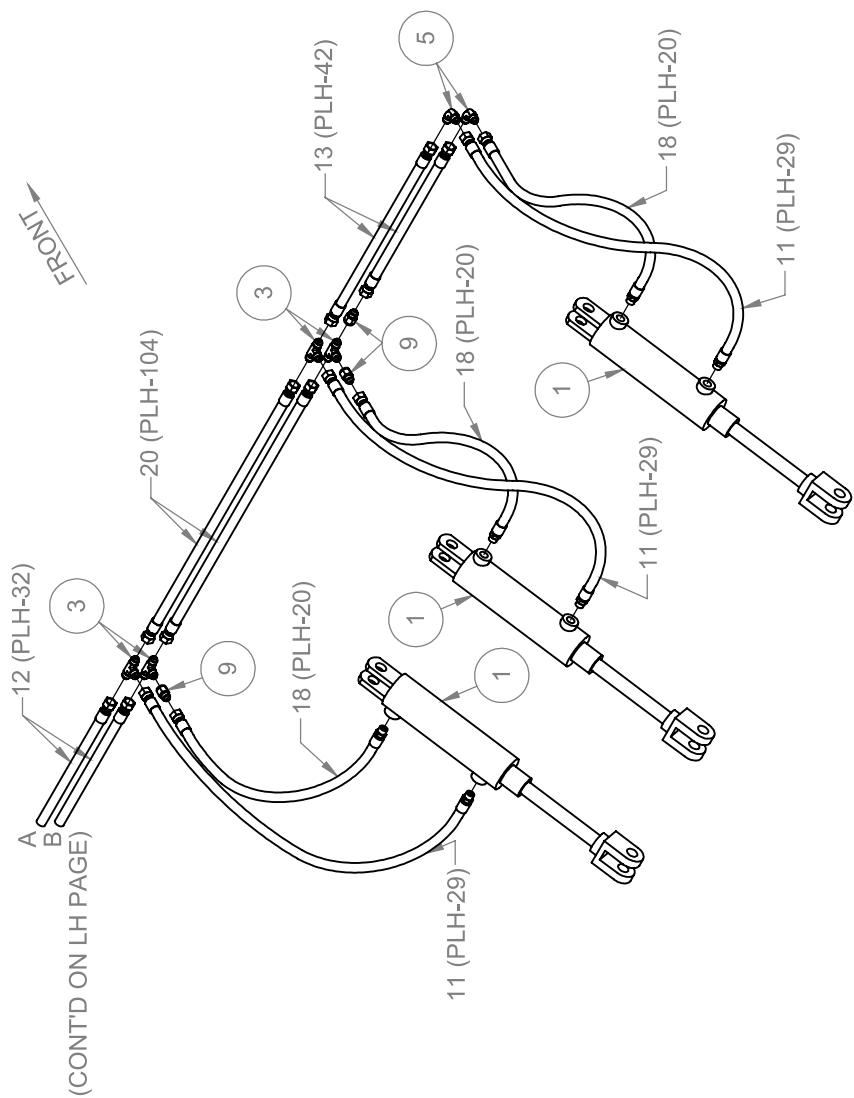
Parts Manual

<i>60' Outer Wing, Right-hand, Subframe</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER 1 PLATED SAE	6
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	20
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
5	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
6	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	8
7	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	2
8	145-157	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
9	165-006	MUFFLER CLAMP, 2.625" ID	4
10	165-017	ROUND, "U" BOLT 3/8-16 x 2-1/2 B/T x 4IH	4
11	170-082	QUICK PIN, 0.25 X 2.5, W/ WIRE	2
12	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2
13	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4
14	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	4
15	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/8 H, UNC GR5 PL	6
16	212-006	SHIM, 3/4", STYLE "A" STROKE CTRL	2
17	212-007	SHIM, 1/2", STYLE "A" STROKE CTRL	2
18	212-008	SHIM, 3/8", STYLE "A" STROKE CTRL	4
19	212-009	SHIM, 1/4", STYLE "A" STROKE CTRL	2
20	212-059	TENSION BUSHING, 1" ID X 1-1/4" OD X 3/4" LG	2
21	212-064	TENSION BUSHING, 1-1/4" ID X 1-1/2" OD X 1" LG	16
22	212-161	3" BORE x 8" STROKE, Ram Part No. R4508694	2
23	600-1072	SPACER STORAGE FRAME	1
24	600-1074	BRACKET, HEADER TOWER CROSS	1
25	600-1076	BRACKET, HEADER TOWER UPRIGHT	1
26	600-1092	PRIMARY HOSE BRKT, FRONT TUBE	1
27	600-1112	SUBFRAME, RH, 60' OUTER	1
28	600-1128	TORQUE TUBE, 60' OUTER WING, BACK	1
29	600-1130	TORQUE TUBE, 60' OUTER WING, FRONT	1
30	600-1178	HOSE STRAP	2
31	600-1184	SAFETY STOP	2
32	600-1222	PIN, 1-1/4" DIA	4
33	600-1224	PIN, 1" DIA	2
34	600-3023	ANGLE BRACKET, AIR PACK	1

30' Subframe Hydraulic Circuit (Left-hand)



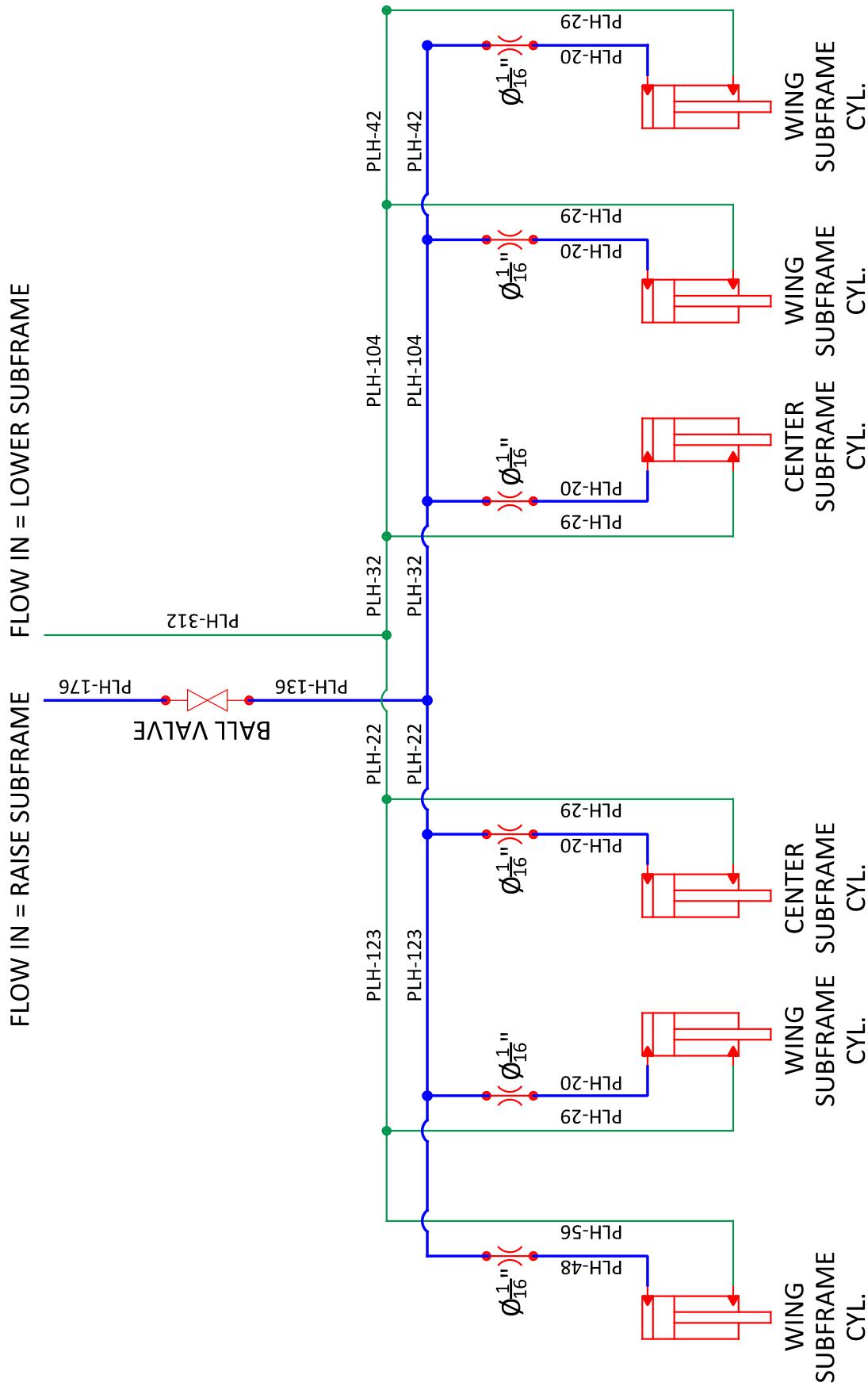
30' Subframe Hydraulic Circuit (Right-hand)



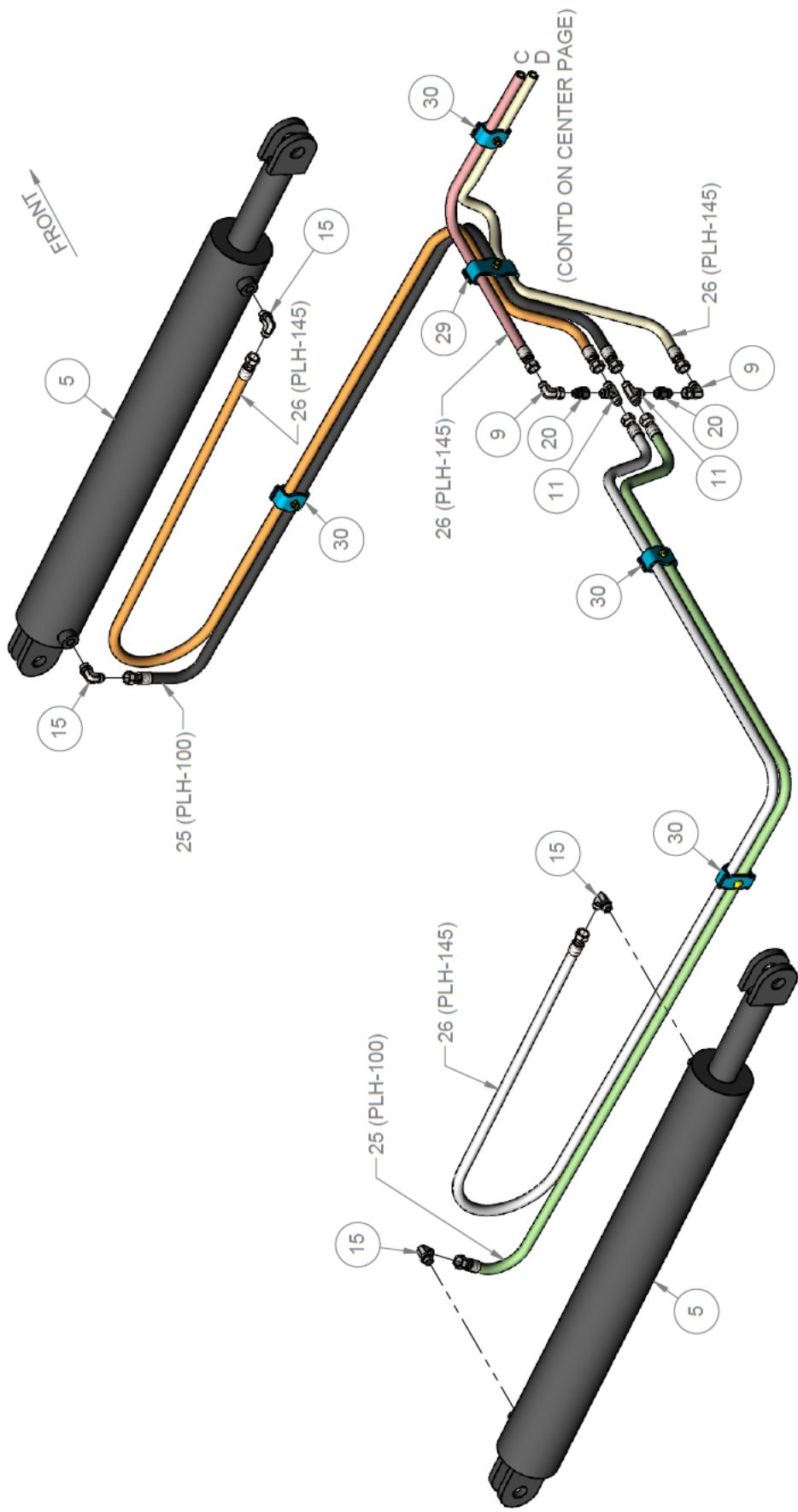
Parts Manual

<i>30' Subframe Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	6
2	212-304	#8 M-JIC x #8 F-JIC-SW, 90	2
3	212-306	#8 M-JIC TEE	10
4	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	2
5	212-308	#8 M-JIC x #8 M-JIC, 90	2
6	212-311	#8 M-ORB x #8 M-JIC, 90	2
7	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
8	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
9	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16"AGL DRLD	6
10	212-504 (PLH-22)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
11	212-510 (PLH-29)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	5
12	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
13	212-515 (PLH-42)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
14	212-517 (PLH-48)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
15	212-532 (PLH-136)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
16	212-536 (PLH-176)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
17	212-557 (PLH-312)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
18	212-574 (PLH-20)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	5
19	212-578 (PLH-56)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
20	212-579 (PLH-104)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
21	212-580 (PLH-123)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
22	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-

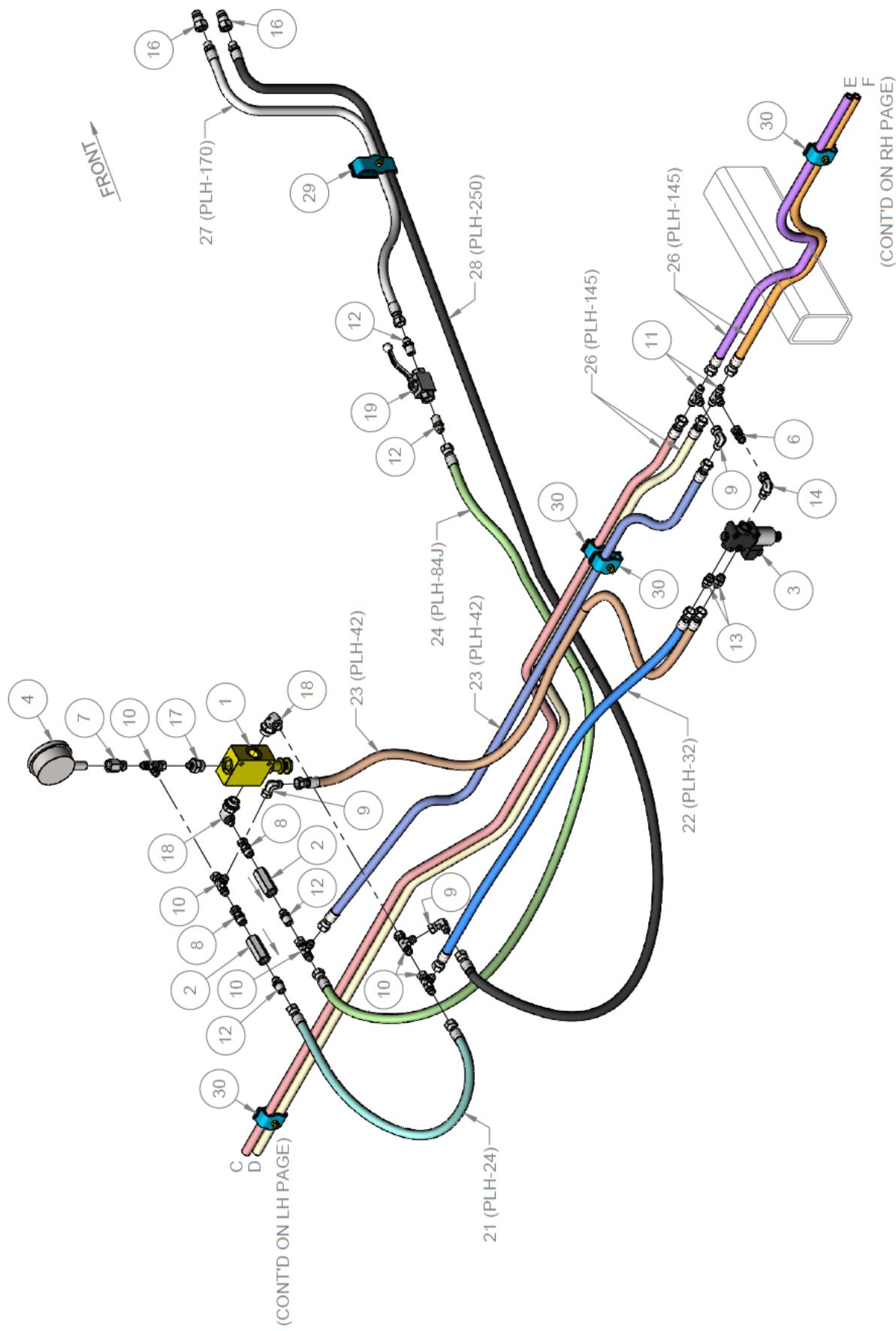
30' Subframe Hydraulic Circuit – Schematic



30' Wing Hydraulic Circuit (Left-hand)

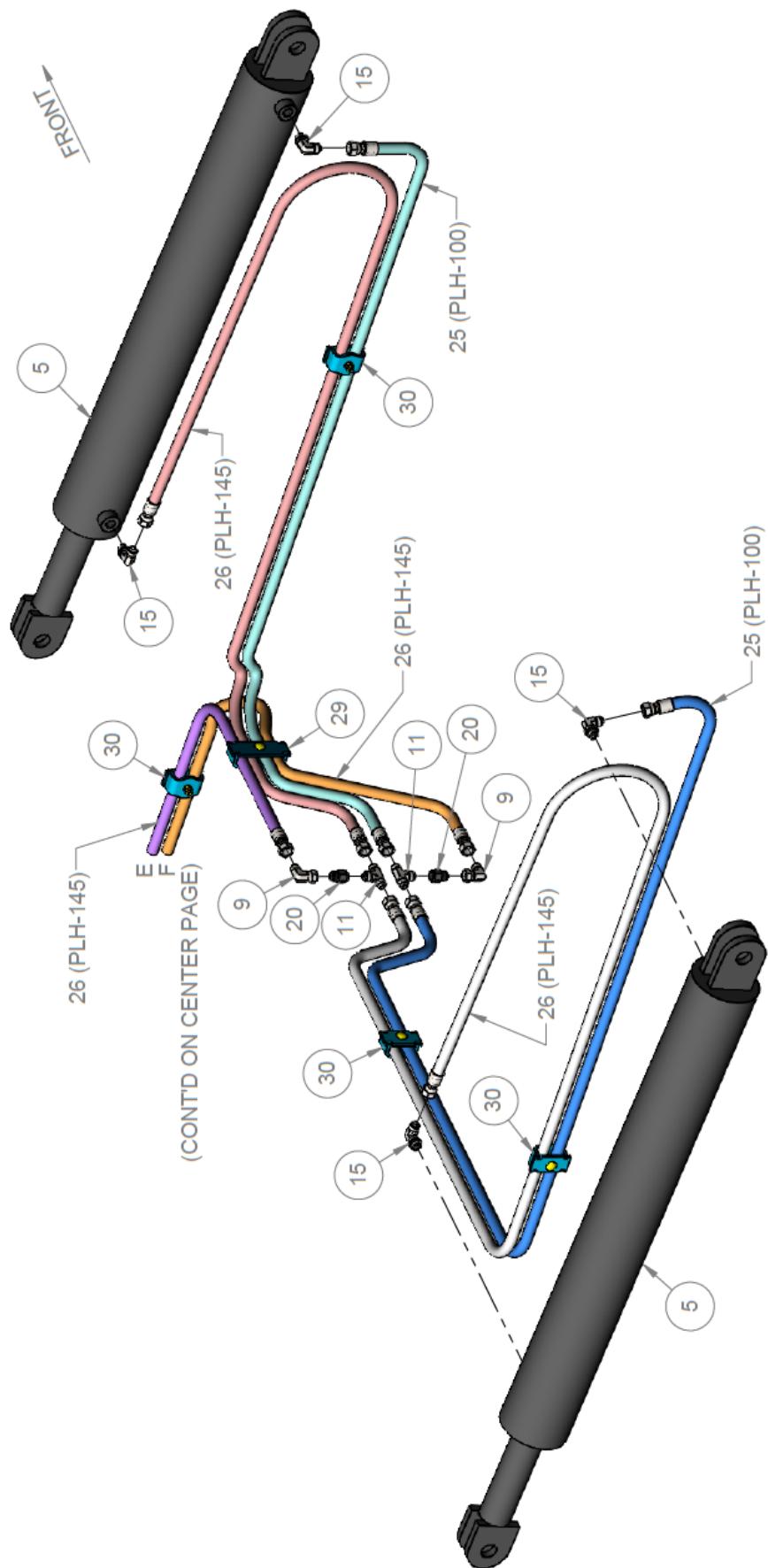


30' Wing Hydraulic Circuit (Center)



Parts Manual

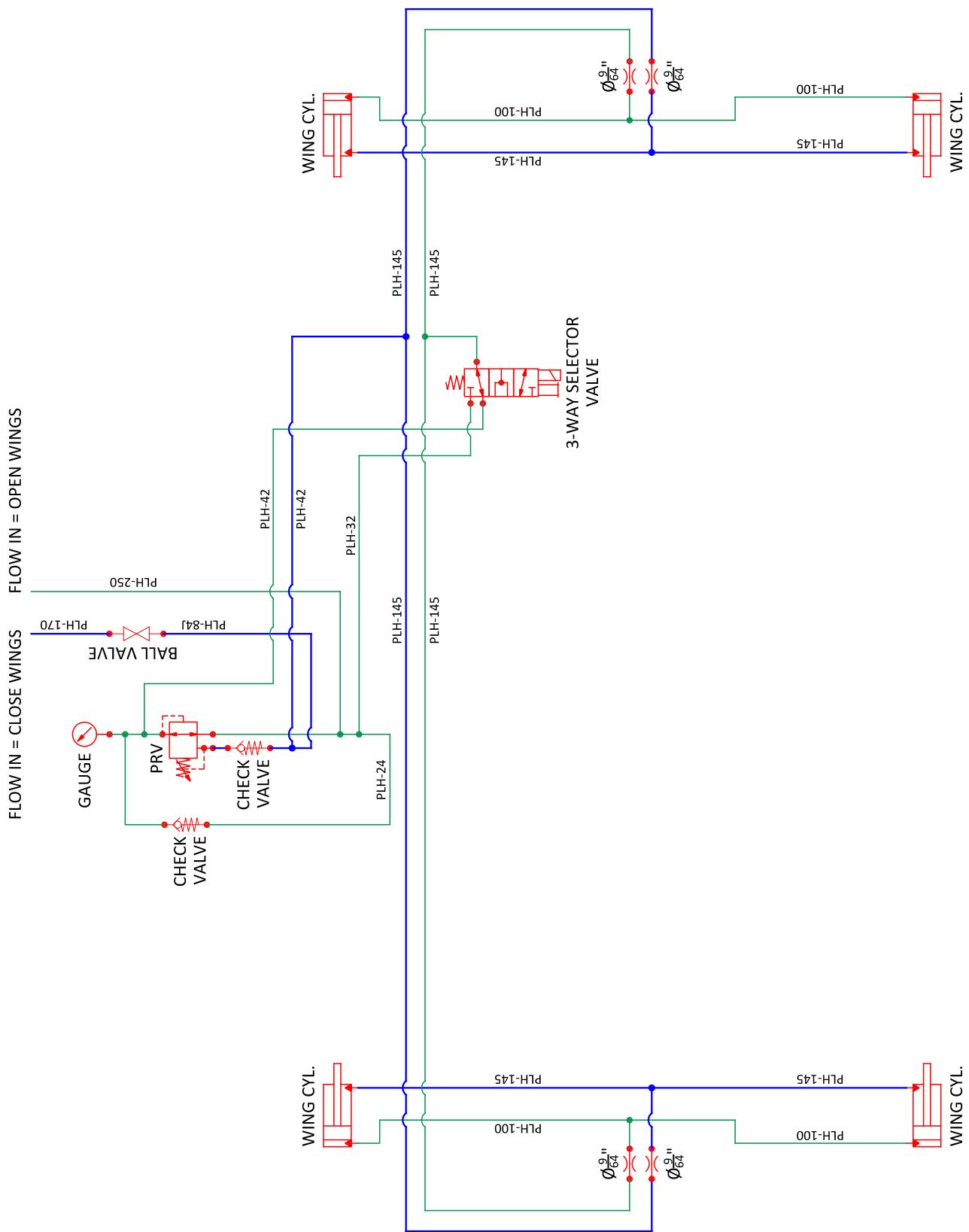
30' Wing Hydraulic Circuit (Right-hand)



Parts Manual

<i>30' Wing Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-020	VALVE, PRV	1
2	212-022	CHECK VALVE, P/N: DLT - EDC30S	2
3	212-024	VALVE, SELECTOR, WALVOIL P/N: DFE052/3-A-18-ES-W201-12VDC-SAE-CVN	1
4	212-047	4" LIQUID FILLED SS PRESSURE GAUGE, 0-5000 PSI	1
5	212-159	5" x 40" HYD CYL, RAM P/N: R4508695	4
6	212-301	#8 M-JIC x #8 F-JIC-SW	1
7	212-302	1/2" F-NPT x #8 F-JIC-SW, ADAPTER	1
8	212-303	1/2" M-NPT x #8 F-JIC-SW, ADAPTER	2
9	212-304	#8 M-JIC x #8 F-JIC-SW, 90	7
10	212-305	#8 JIC RUN TEE, M-F SW-M	5
11	212-306	#8 M-JIC TEE	6
12	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	4
13	212-309	#8 M-ORB x #8 M-JIC, ADAPTER	2
14	212-310	#8 M-ORB x #8 F-JIC-SW, 90 ADAPTER	1
15	212-311	#8 M-ORB x #8 M-JIC, 90	8
16	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
17	212-315	#12 M-ORB x #8 M-JIC, ADAPTER	1
18	212-318	#12 M-ORB x #8 M-JIC, 90 ADAPTER	2
19	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
20	212-327	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 9/64" STR DRILLED	4
21	212-506 (PLH-24)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
22	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
23	212-515 (PLH-42)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
24	212-522 (PLH-84J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
25	212-527 (PLH-100)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
26	212-534 (PLH-145)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	8
27	212-535 (PLH-170)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
28	212-548 (PLH-250)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
29	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-
30	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	-

30' Wing Hydraulic Circuit – Schematic

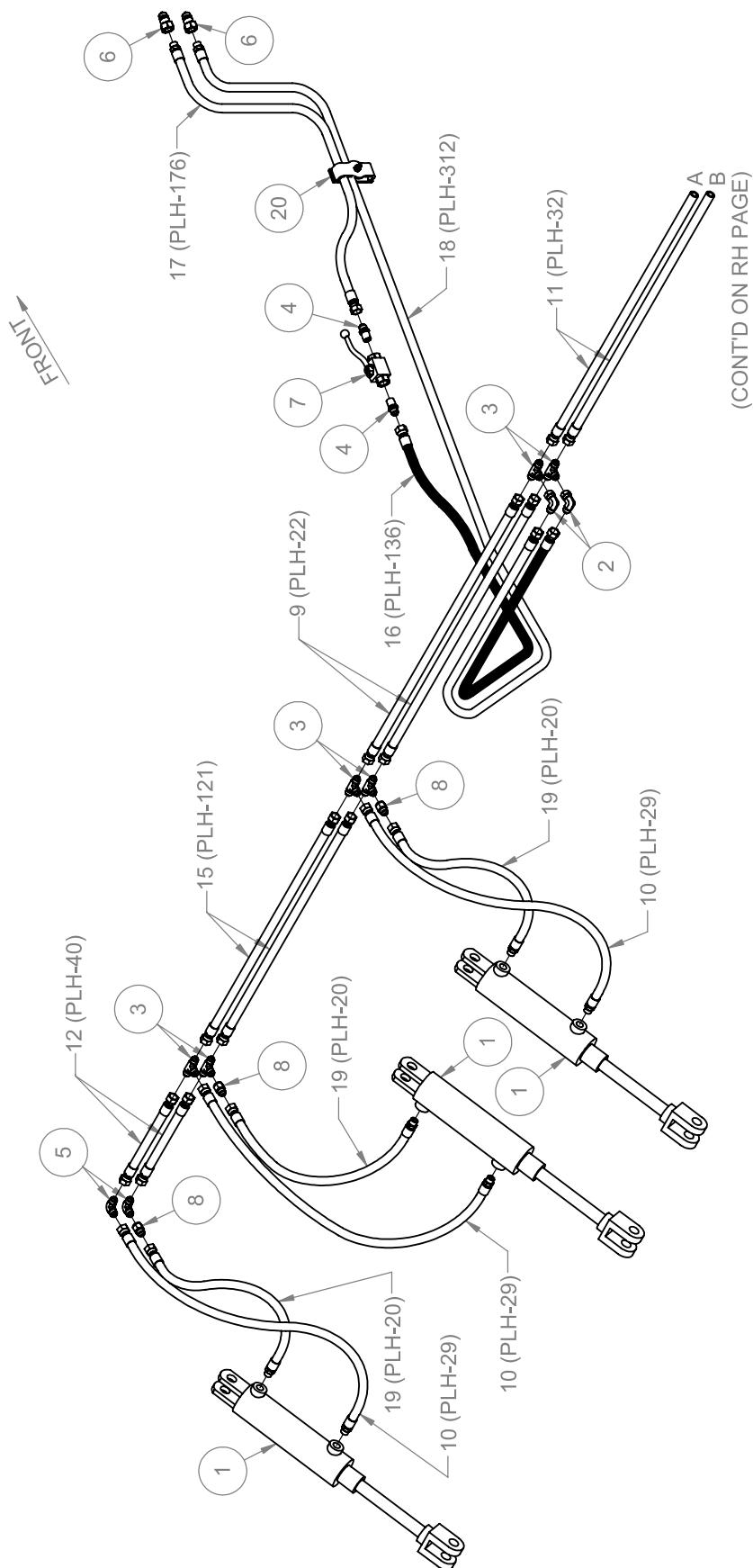


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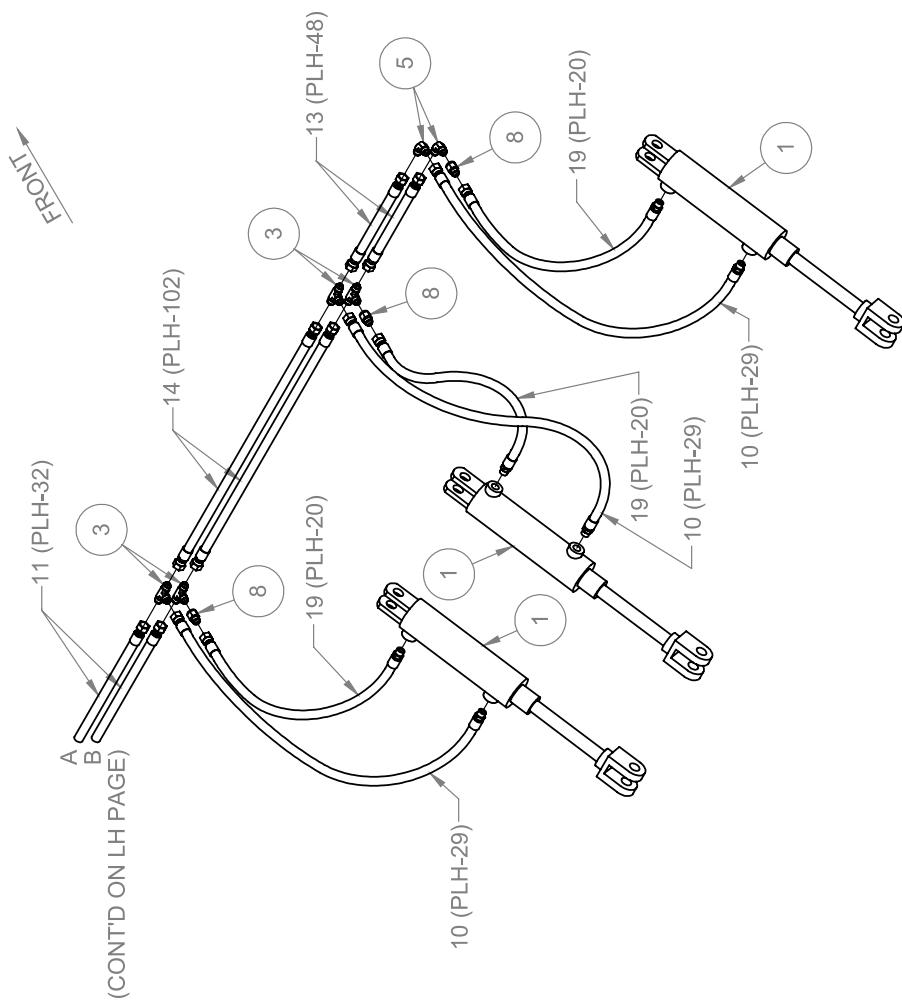
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40' Subframe Hydraulic Circuit (Left-hand)



Parts Manual

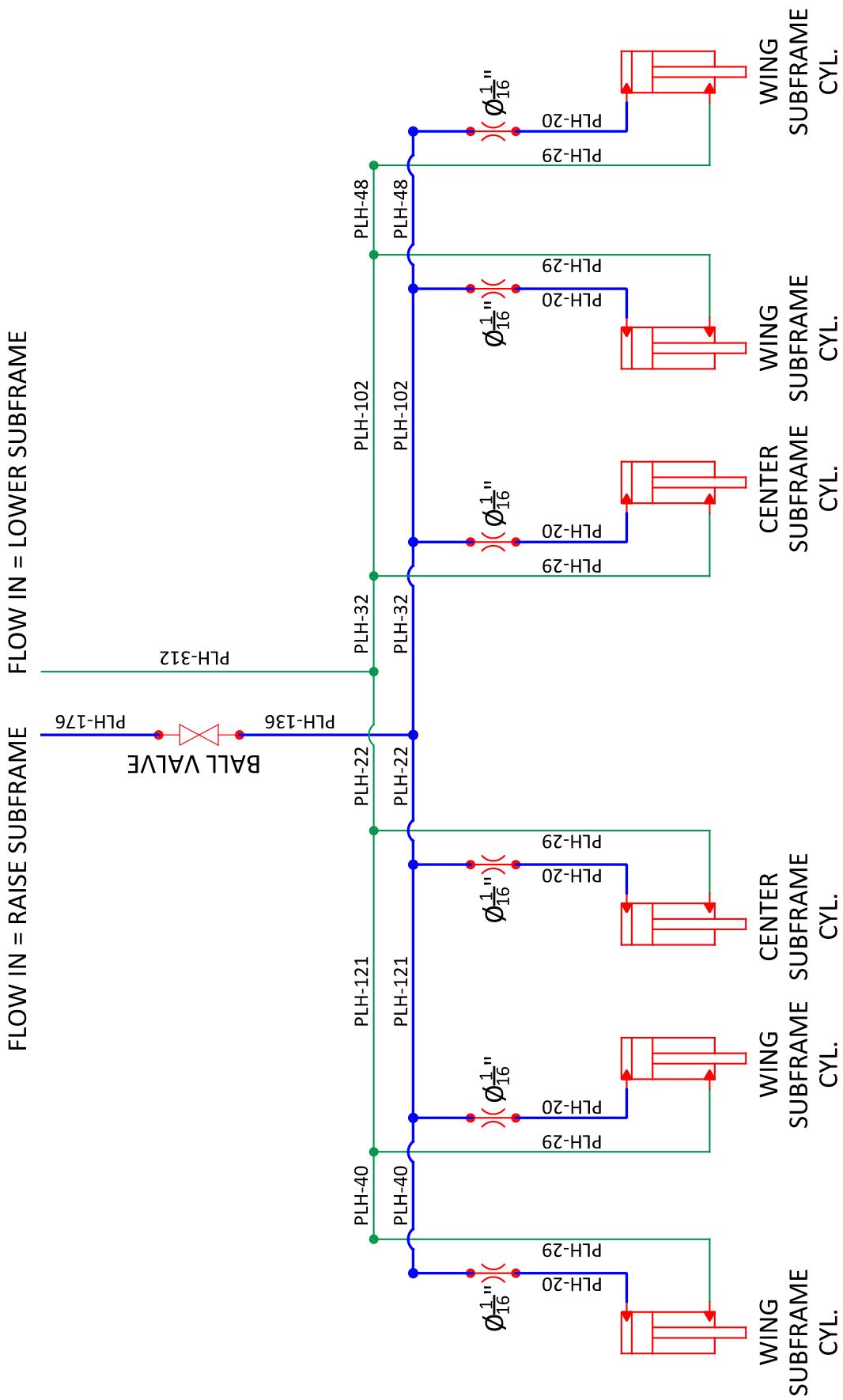
40' Subframe Hydraulic Circuit (Right-hand)



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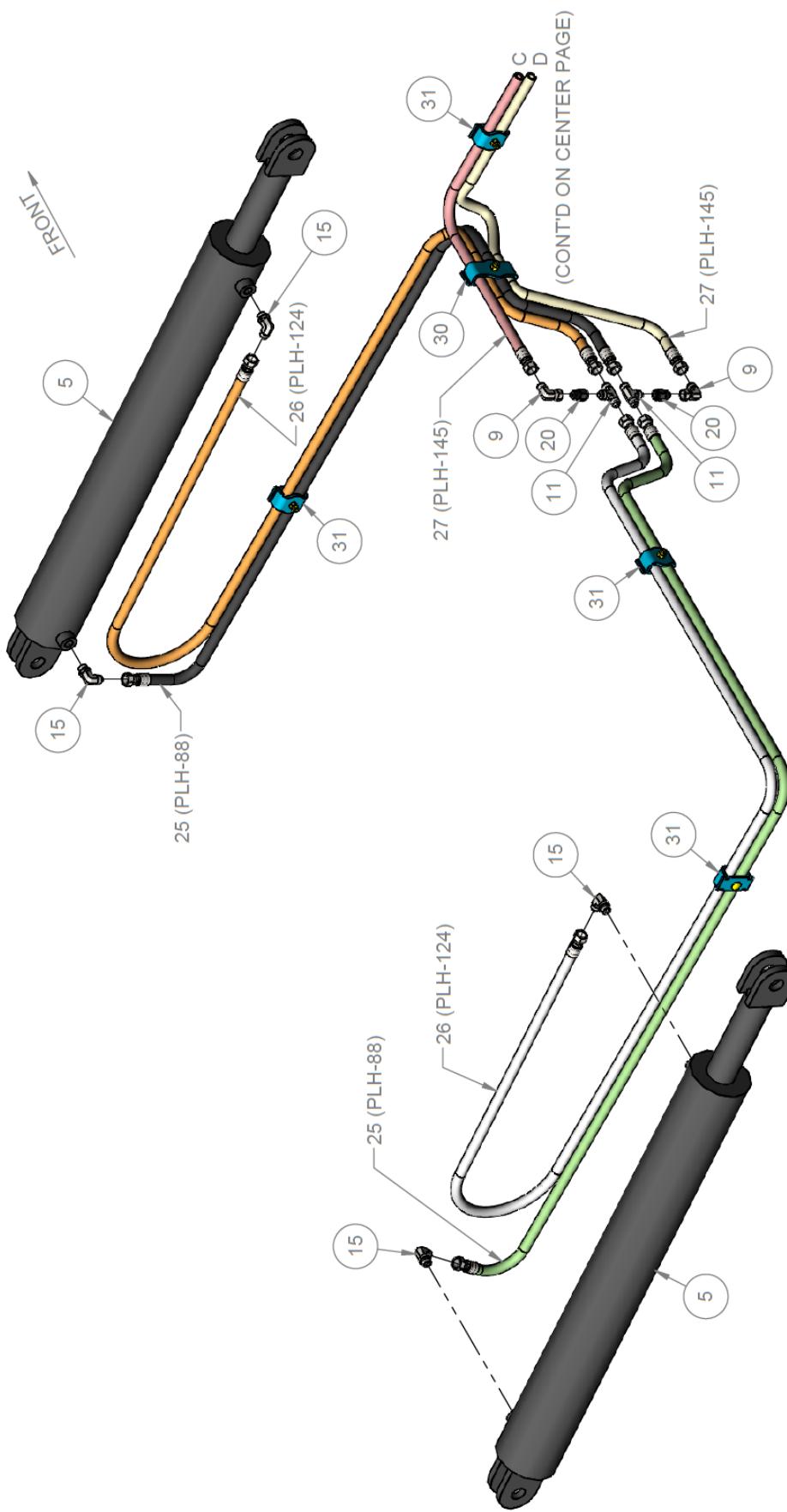
<i>40' Subframe Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	6
2	212-304	#8 M-JIC x #8 F-JIC-SW, 90	2
3	212-306	#8 M-JIC TEE	10
4	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	2
5	212-308	#8 M-JIC x #8 M-JIC, 90	4
6	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
7	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
8	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16"AGL DRLD	6
9	212-504 (PLH-22)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
10	212-510 (PLH-29)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	6
11	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
12	212-514 (PLH-40)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
13	212-517 (PLH-48)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
14	212-528 (PLH-102)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
15	212-530 (PLH-121)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
16	212-532 (PLH-136)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
17	212-536 (PLH-176)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
18	212-557 (PLH-312)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
19	212-574 (PLH-20)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	6
20	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-

40' Subframe Hydraulic Circuit – Schematic

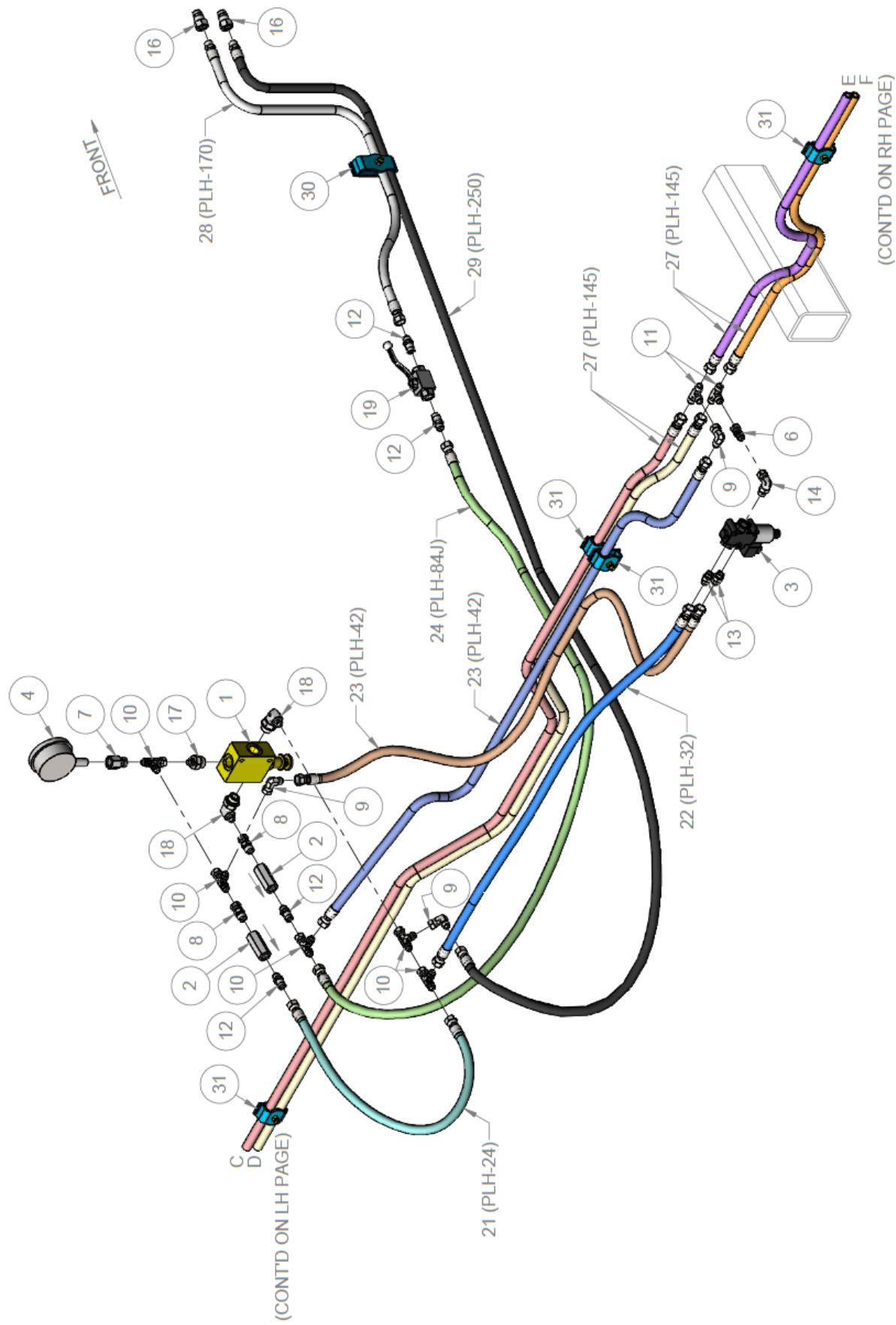


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40' Wing Hydraulic Circuit (Left-hand)

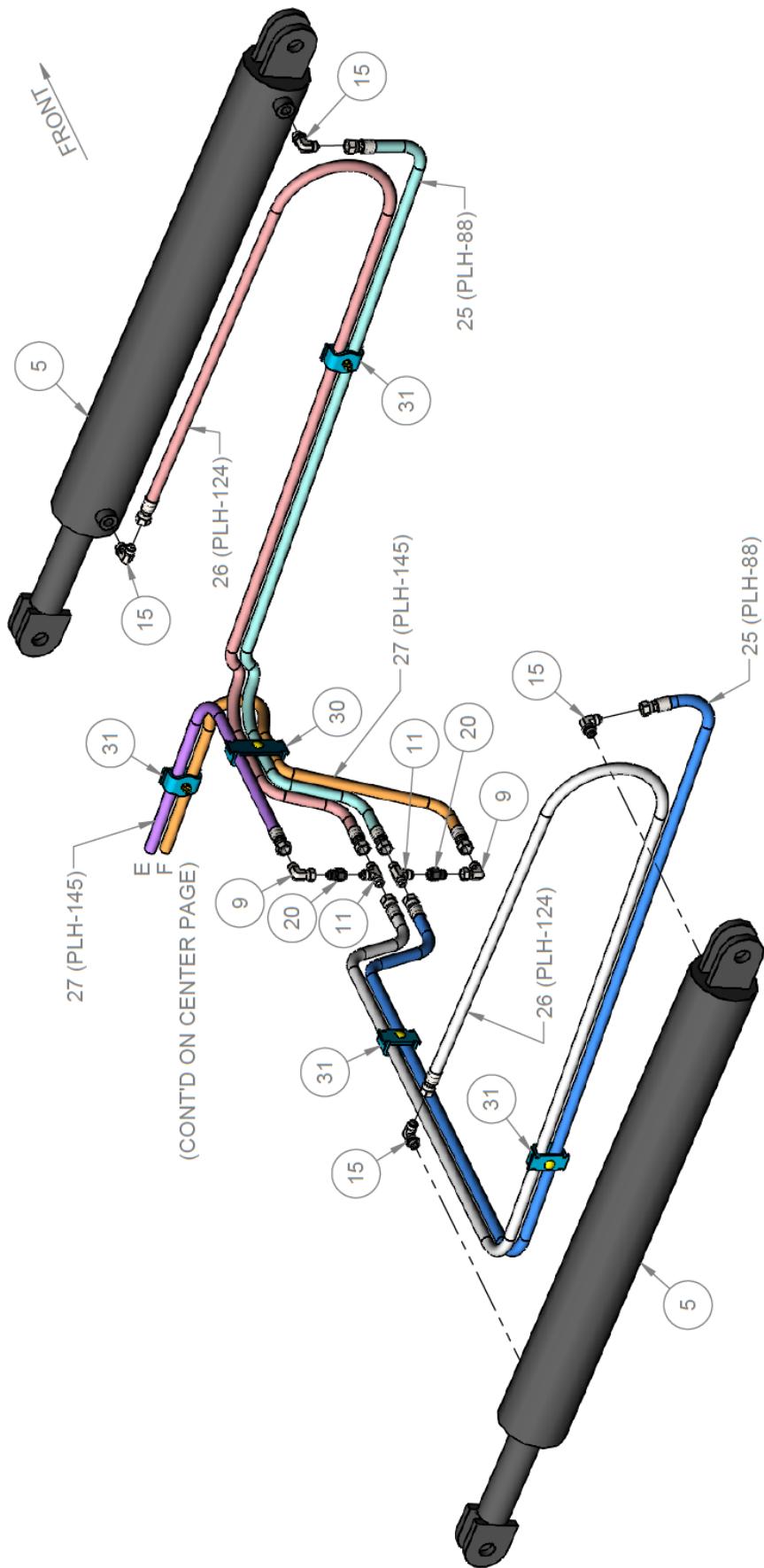


40' Wing Hydraulic Circuit (Center)



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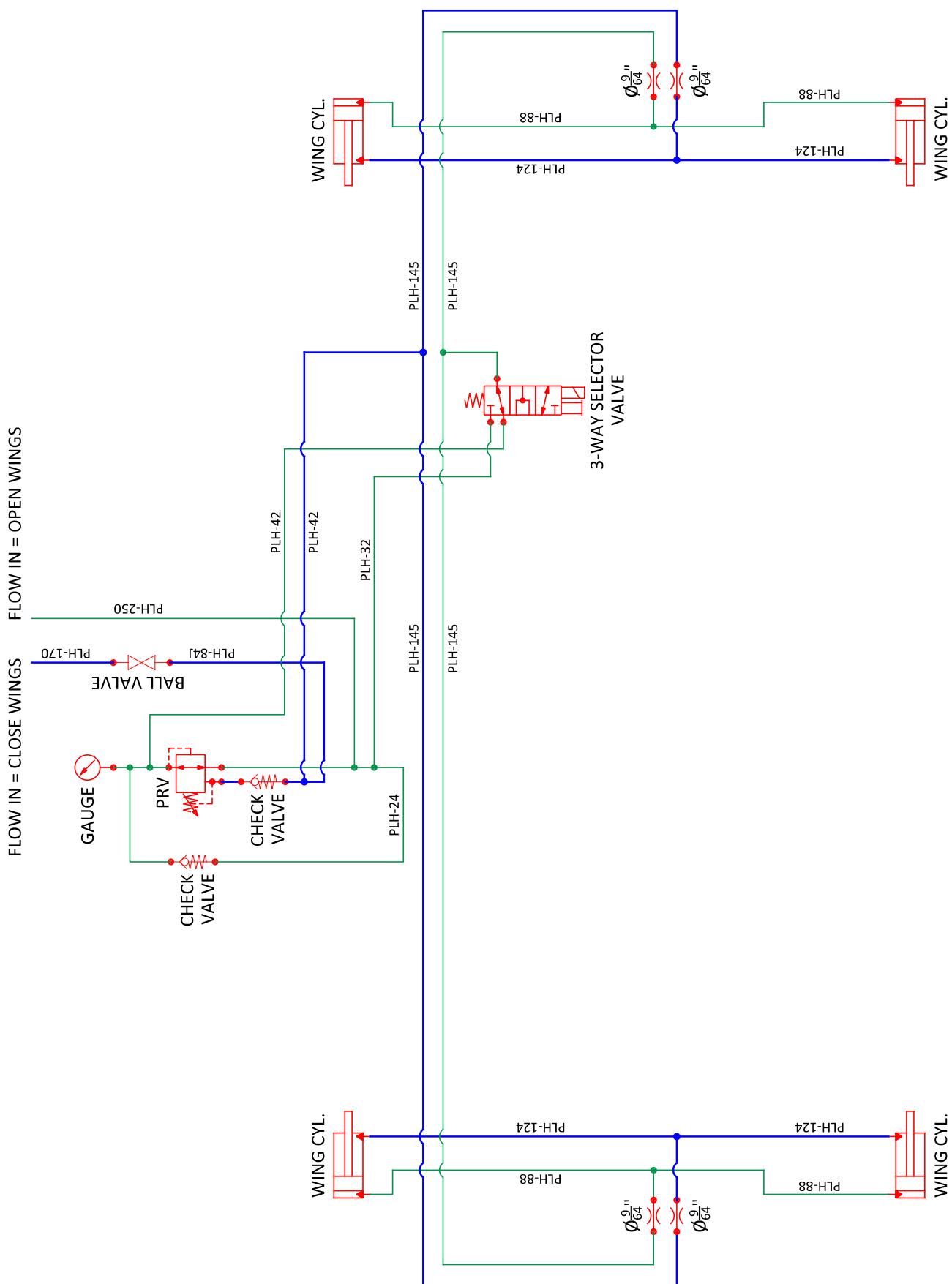
40' Wing Hydraulic Circuit (Right-hand)



Parts Manual

<i>40' Wing Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-020	VALVE, PRV	1
2	212-022	CHECK VALVE, P/N: DLT - EDC30S	2
3	212-024	VALVE, SELECTOR, WALVOIL P/N: DFE052/3-A-18-ES-W201-12VDC-SAE-CVN	1
4	212-047	4" LIQUID FILLED SS PRESSURE GAUGE, 0-5000 PSI	1
5	212-159	5" x 40" HYD CYL, RAM P/N: R4508695	4
6	212-301	#8 M-JIC x #8 F-JIC-SW	1
7	212-302	1/2" F-NPT x #8 F-JIC-SW, ADAPTER	1
8	212-303	1/2" M-NPT x #8 F-JIC-SW, ADAPTER	2
9	212-304	#8 M-JIC x #8 F-JIC-SW, 90	7
10	212-305	#8 JIC RUN TEE, M-F SW-M	5
11	212-306	#8 M-JIC TEE	6
12	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	4
13	212-309	#8 M-ORB x #8 M-JIC, ADAPTER	2
14	212-310	#8 M-ORB x #8 F-JIC-SW, 90 ADAPTER	1
15	212-311	#8 M-ORB x #8 M-JIC, 90	8
16	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
17	212-315	#12 M-ORB x #8 M-JIC, ADAPTER	1
18	212-318	#12 M-ORB x #8 M-JIC, 90 ADAPTER	2
19	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
20	212-327	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 9/64" STR DRILLED	4
21	212-506 (PLH-24)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
22	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
23	212-515 (PLH-42)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
24	212-522 (PLH-84J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
25	212-523 (PLH-88)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
26	212-531 (PLH-124)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
27	212-534 (PLH-145)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
28	212-535 (PLH-170)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
29	212-548 (PLH-250)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
30	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-
31	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	-

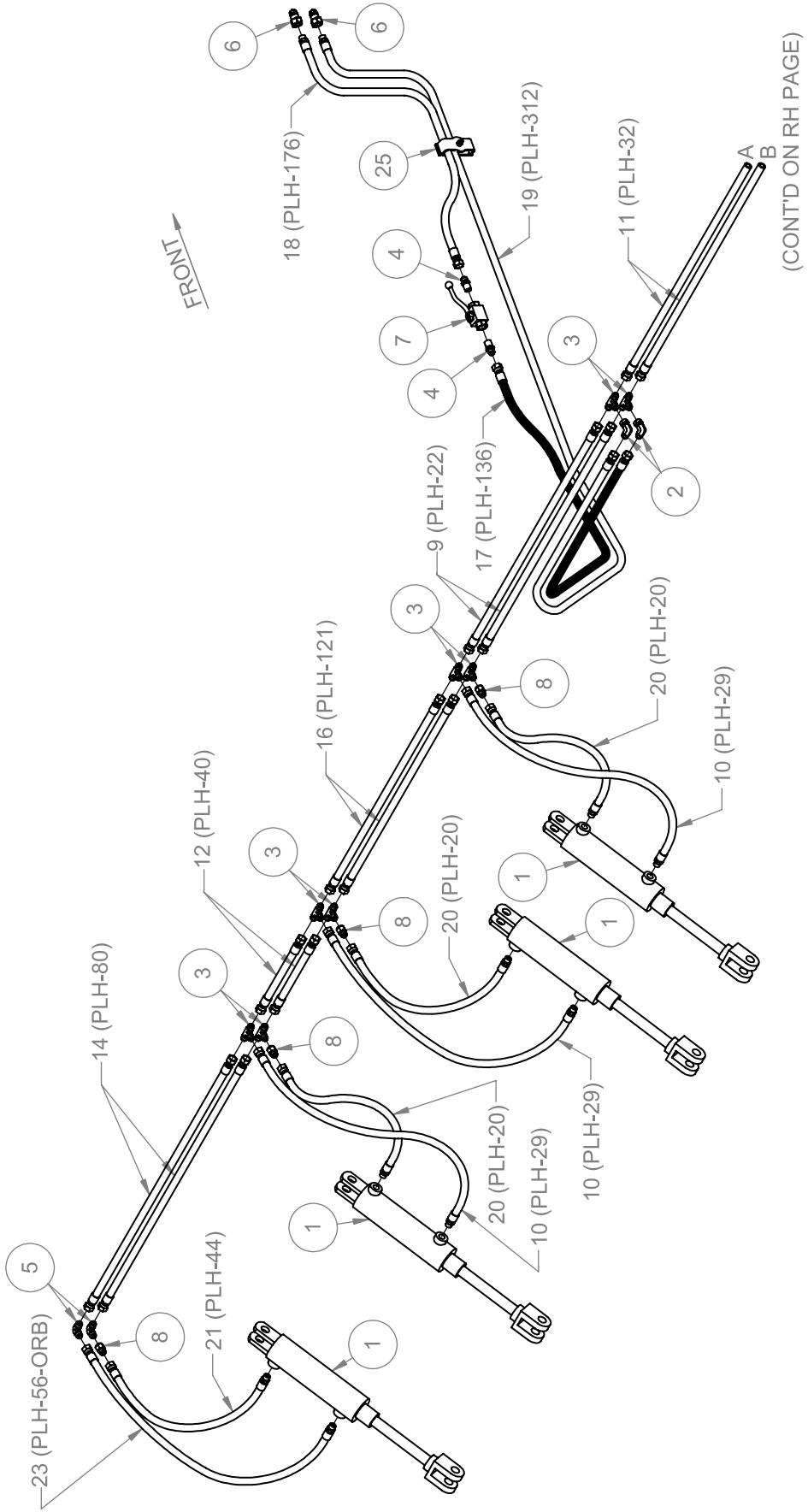
40' Wing Hydraulic Circuit – Schematic



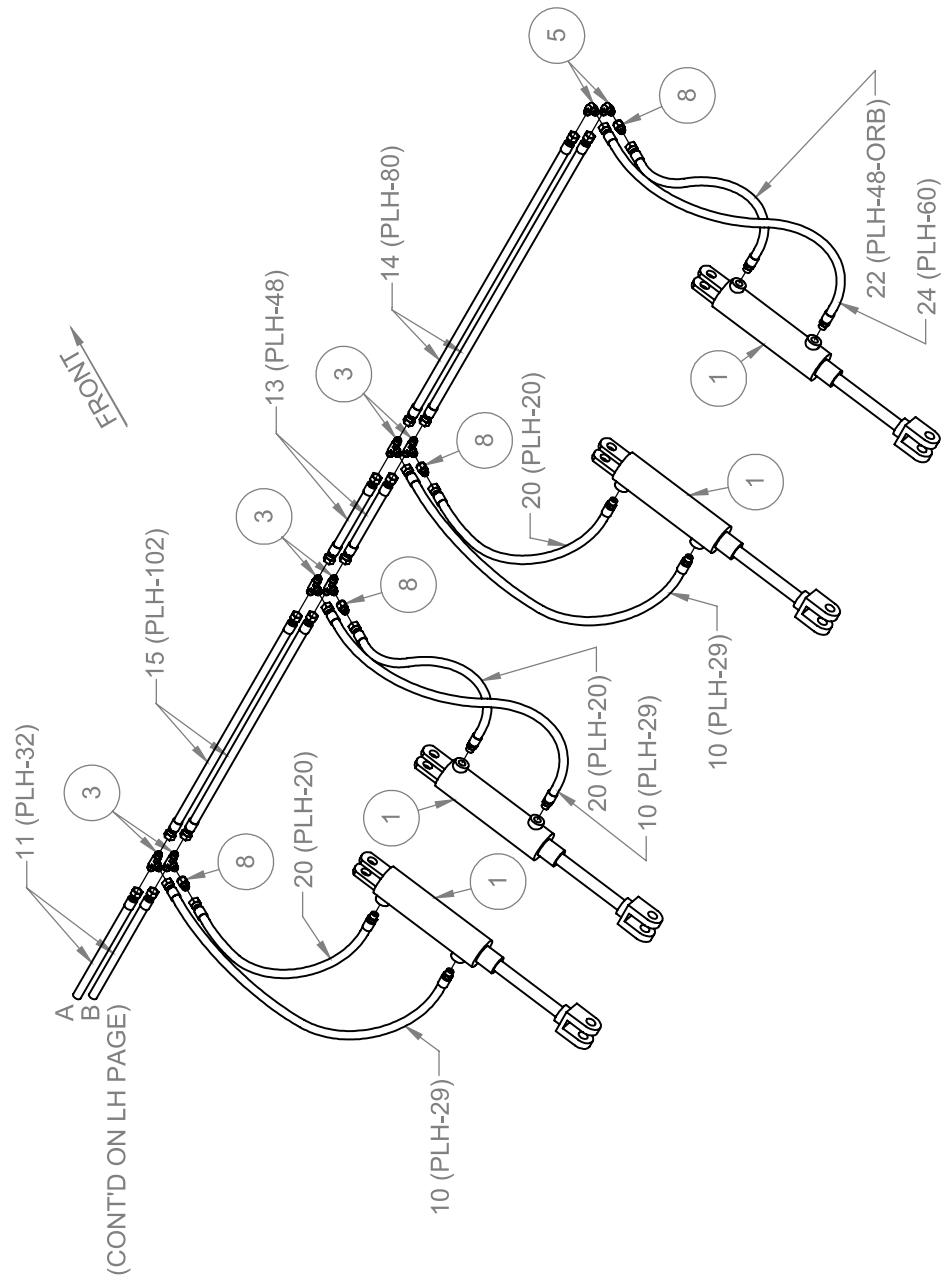
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50' Subframe Hydraulic Circuit (Left-hand)



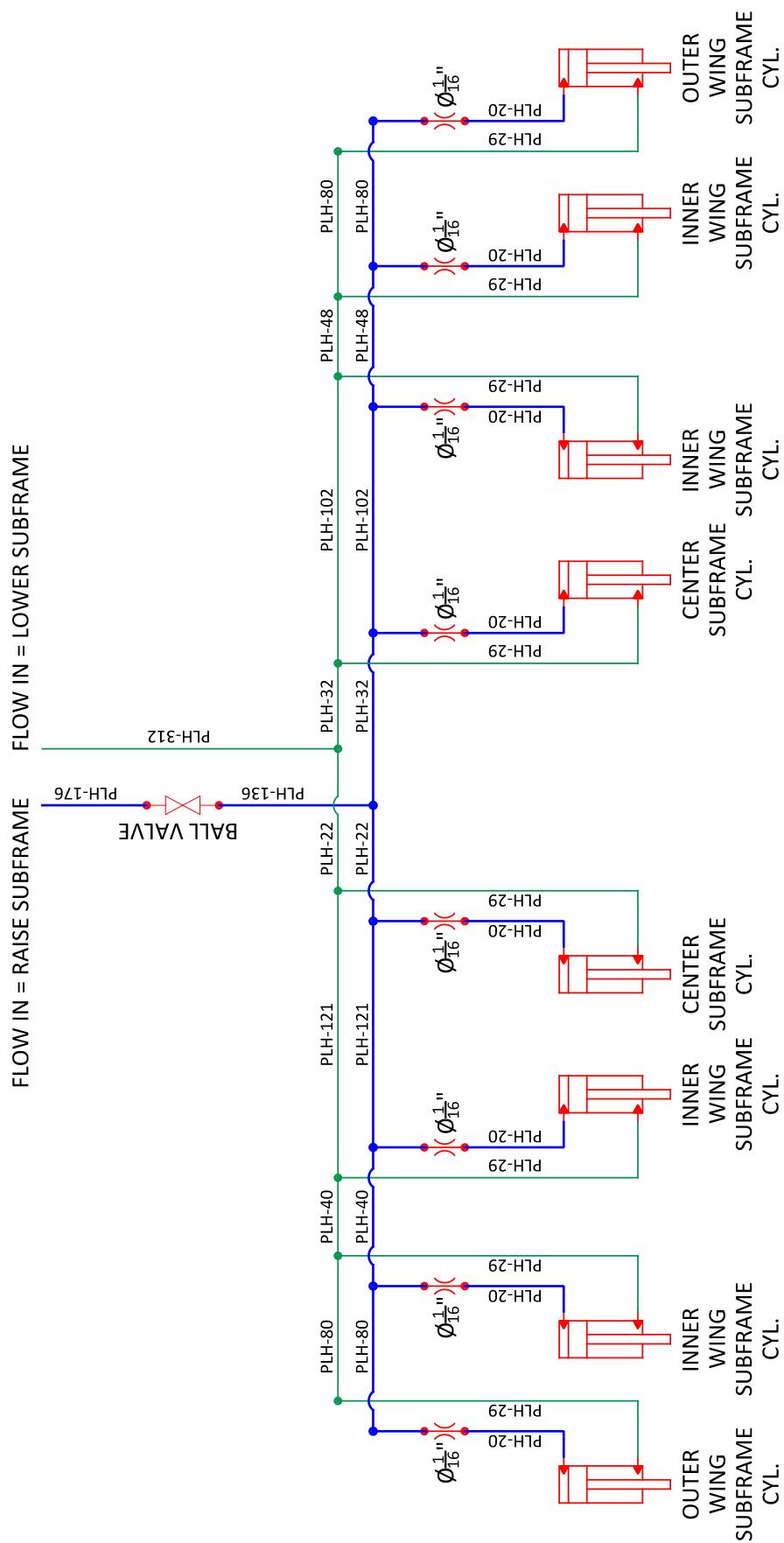
50' Subframe Hydraulic Circuit (Right-hand)



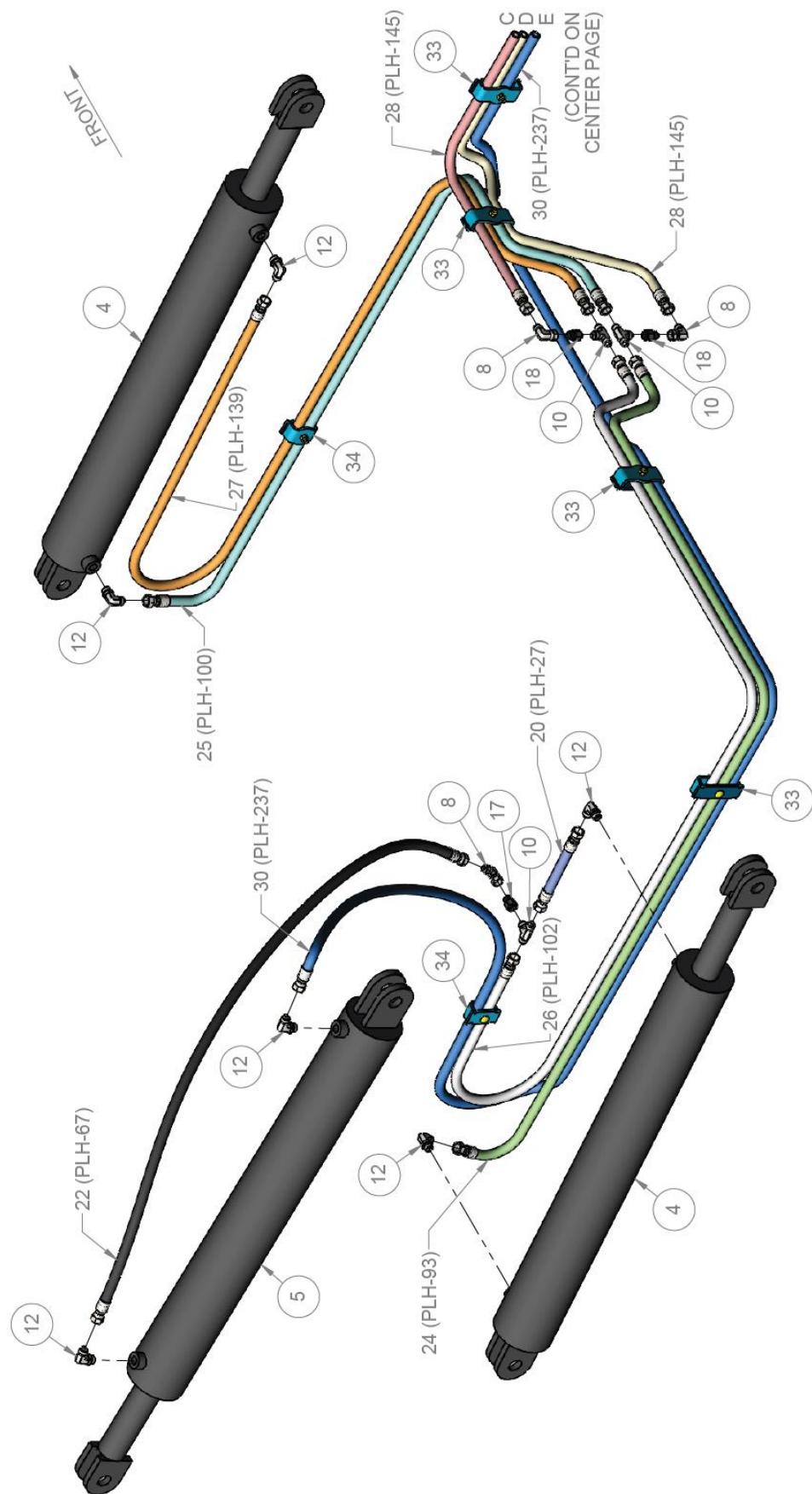
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<i>50' Subframe Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	8
2	212-304	#8 M-JIC x #8 F-JIC-SW, 90	2
3	212-306	#8 M-JIC TEE	14
4	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	2
5	212-308	#8 M-JIC x #8 M-JIC, 90	4
6	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
7	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
8	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16"AGL DRLD	8
9	212-504 (PLH-22)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
10	212-510 (PLH-29)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	8
11	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
12	212-514 (PLH-40)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
13	212-517 (PLH-48)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
14	212-520 (PLH-80)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
15	212-528 (PLH-102)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
16	212-530 (PLH-121)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
17	212-532 (PLH-136)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
18	212-536 (PLH-176)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
19	212-557 (PLH-312)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
20	212-574 (PLH-20)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	8
21	212-584 (PLH-44)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
22	212-585 (PLH-48-ORB)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
23	212-586 (PLH-56-ORB)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
24	212-587 (PLH-60)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
25	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-

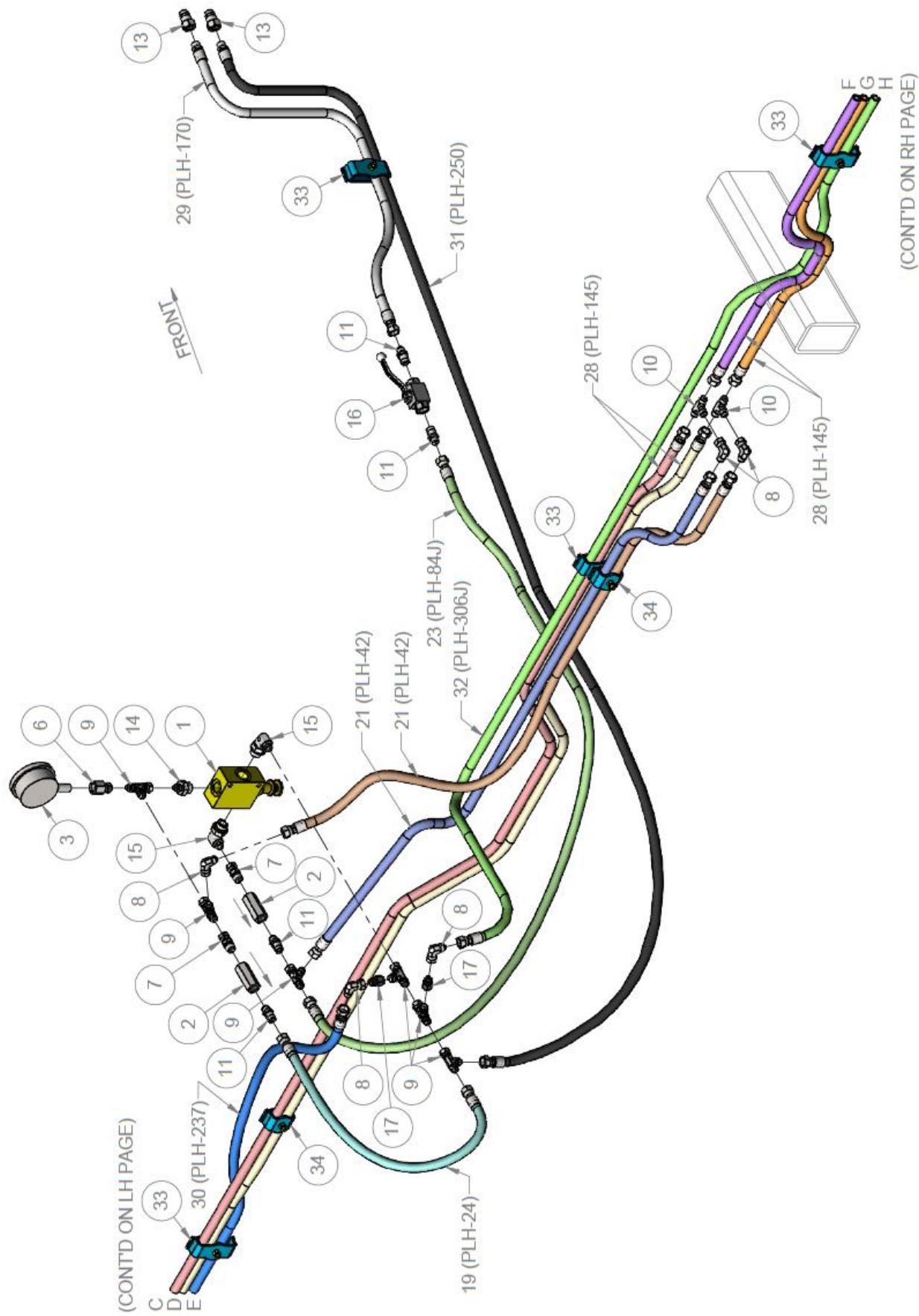
50' Subframe Hydraulic Circuit – Schematic



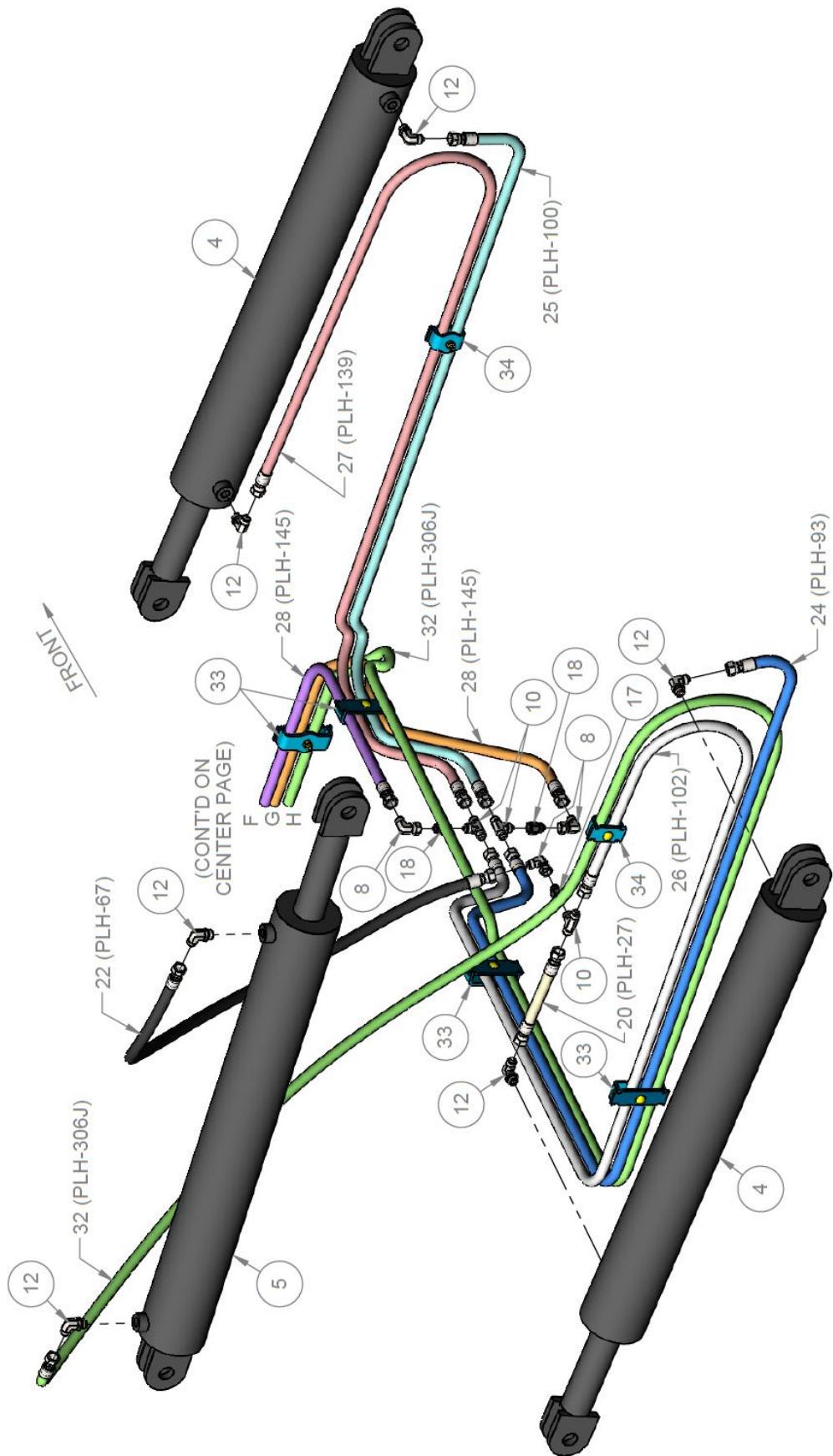
50' Wing Hydraulic Circuit (Left-hand)



50' Wing Hydraulic Circuit (Center)



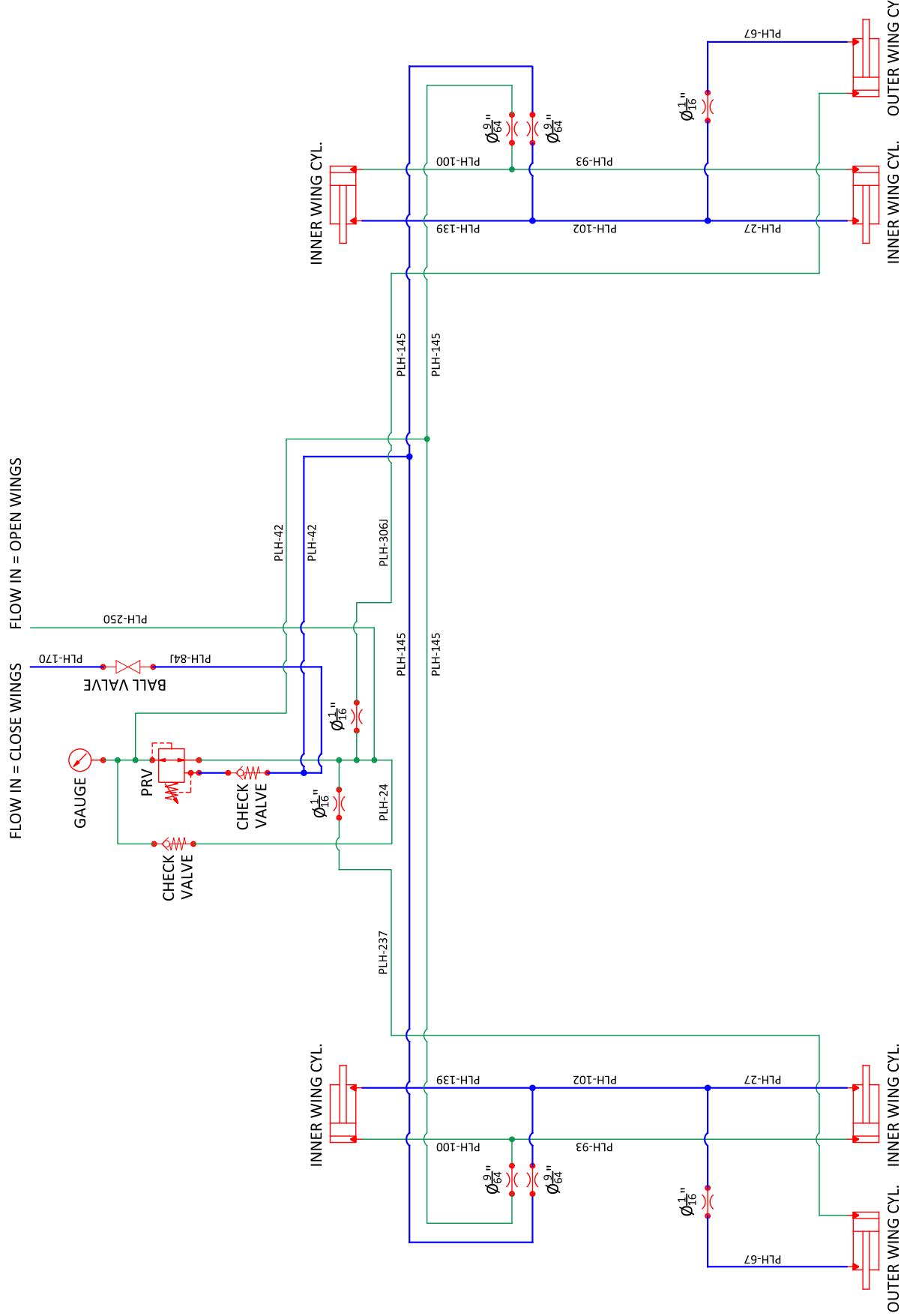
50' Wing Hydraulic Circuit (Right-hand)



Parts Manual

<i>50' Wing Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-020	VALVE, PRV	1
2	212-022	CHECK VALVE, P/N: DLT - EDC30S	2
3	212-047	4" LIQUID FILLED SS PRESSURE GAUGE, 0-5000 PSI	1
4	212-159	5" x 40" HYD CYL, RAM P/N: R4508695	4
5	212-160	5" x 40" HYD CYL, RAM P/N: R4508696	2
6	212-302	1/2" F-NPT x #8 F-JIC-SW, ADAPTER	1
7	212-303	1/2" M-NPT x #8 F-JIC-SW, ADAPTER	2
8	212-304	#8 M-JIC x #8 F-JIC-SW, 90	11
9	212-305	#8 JIC RUN TEE, M-F SW-M	6
10	212-306	#8 M-JIC TEE	8
11	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	4
12	212-311	#8 M-ORB x #8 M-JIC, 90	12
13	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
14	212-315	#12 M-ORB x #8 M-JIC, ADAPTER	1
15	212-318	#12 M-ORB x #8 M-JIC, 90 ADAPTER	2
16	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
17	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16"AGL DRLD	4
18	212-327	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 9/64" STR DRILLED	4
19	212-506 (PLH-24)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
20	212-509 (PLH-27)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
21	212-515 (PLH-42)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
22	212-518 (PLH-67)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
23	212-522 (PLH-84J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
24	212-525 (PLH-93)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
25	212-527 (PLH-100)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
26	212-528 (PLH-102)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
27	212-533 (PLH-139)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
28	212-534 (PLH-145)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
29	212-535 (PLH-170)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
30	212-544 (PLH-237)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
31	212-548 (PLH-250)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
32	212-555 (PLH-306J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
33	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-
34	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	-

50' Wing Hydraulic Circuit - Schematic

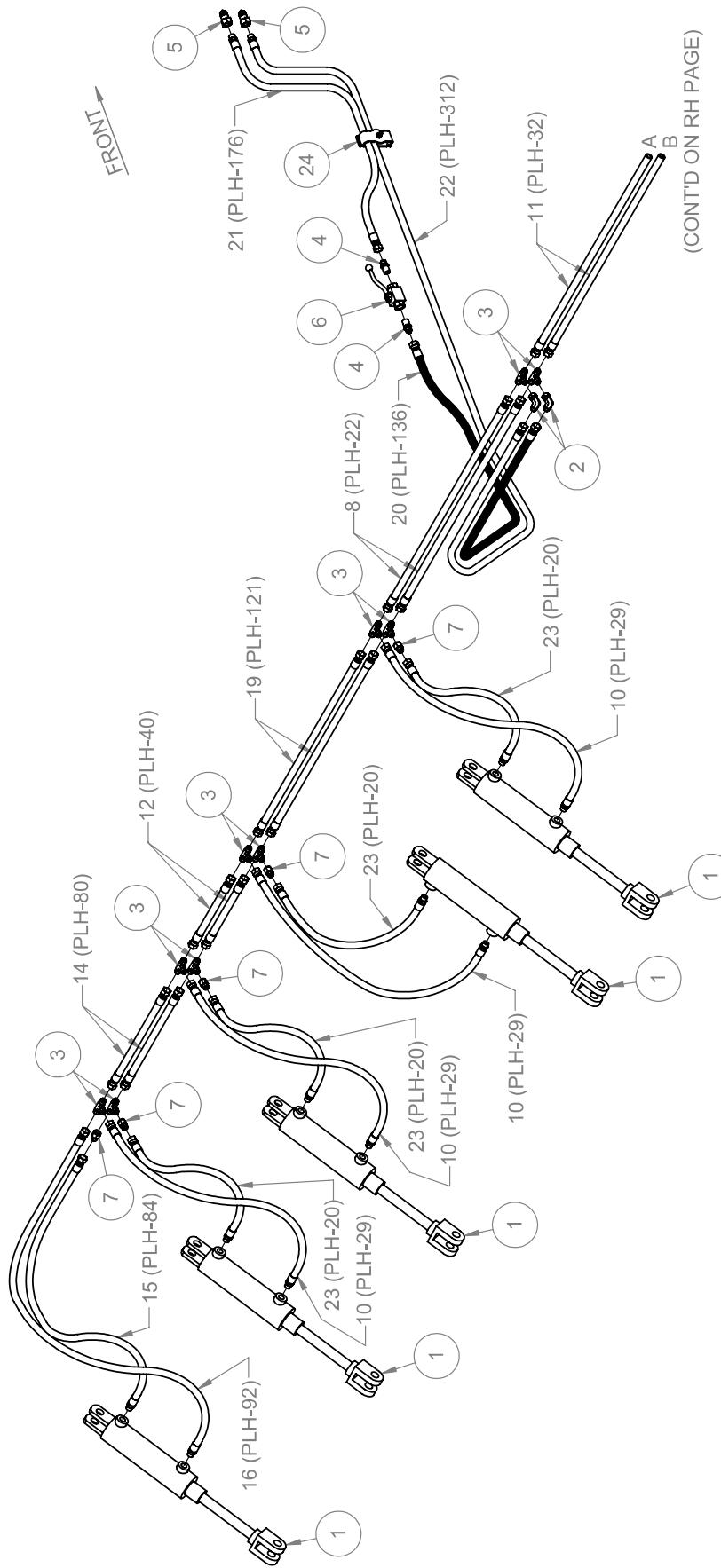


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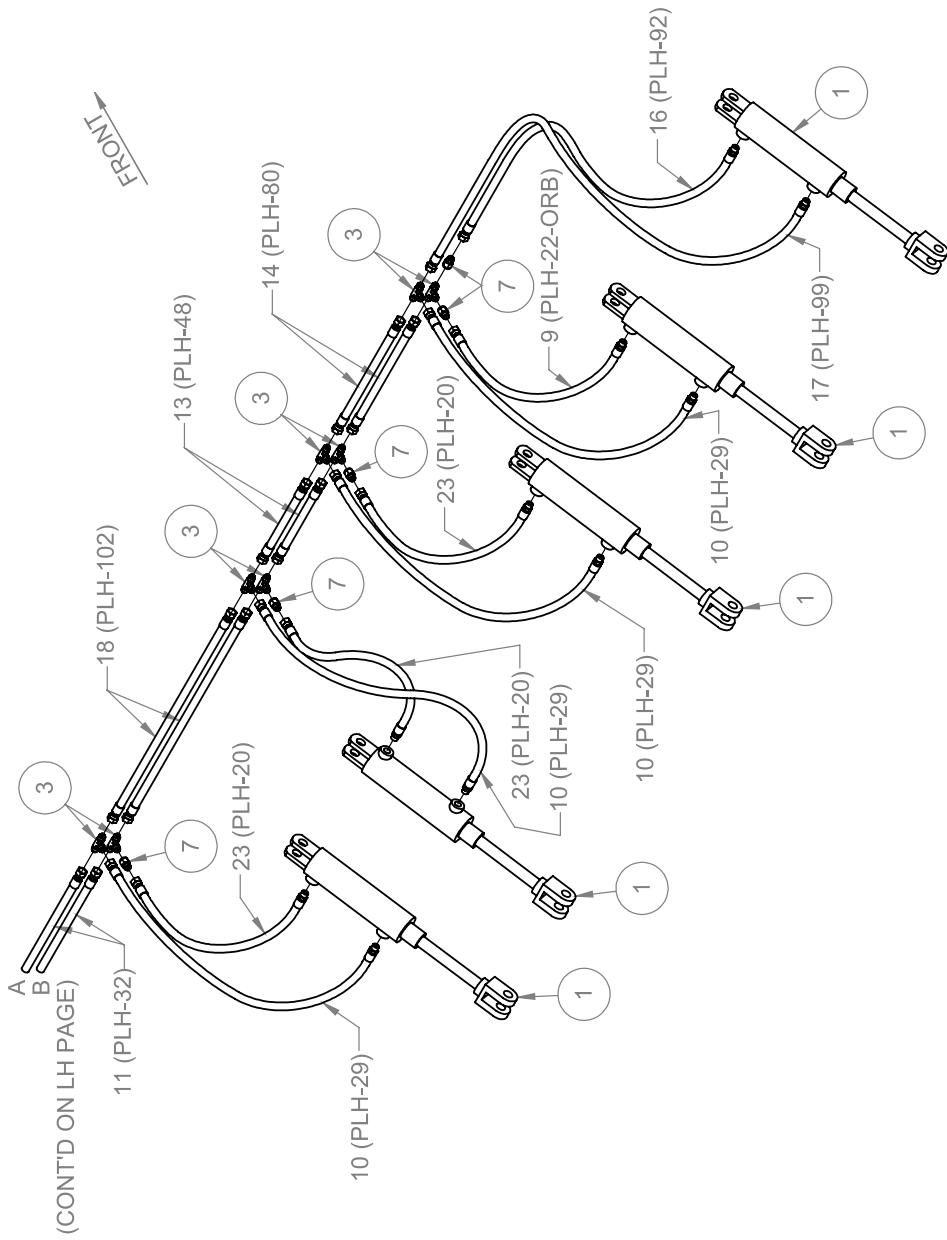
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60' Subframe Hydraulic Circuit (Left-hand)



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60' Subframe Hydraulic Circuit (Right-hand)

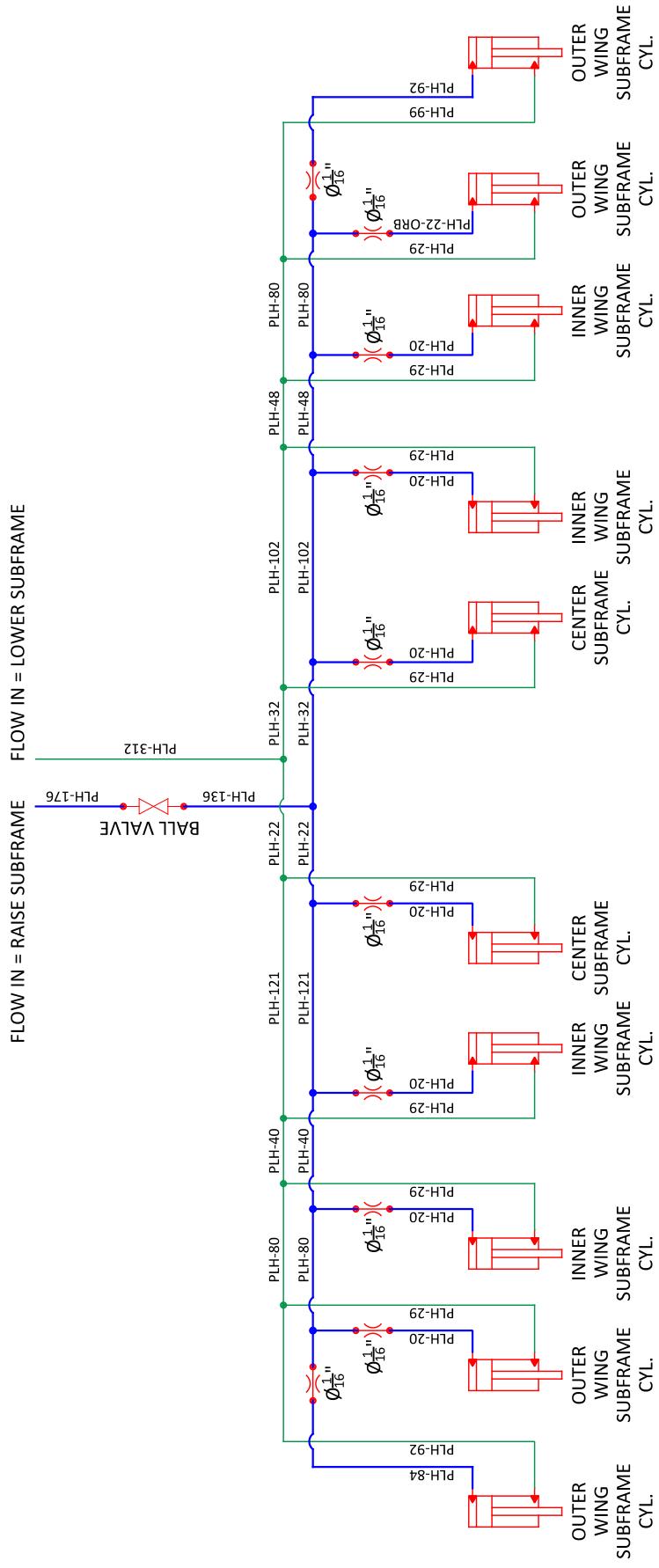


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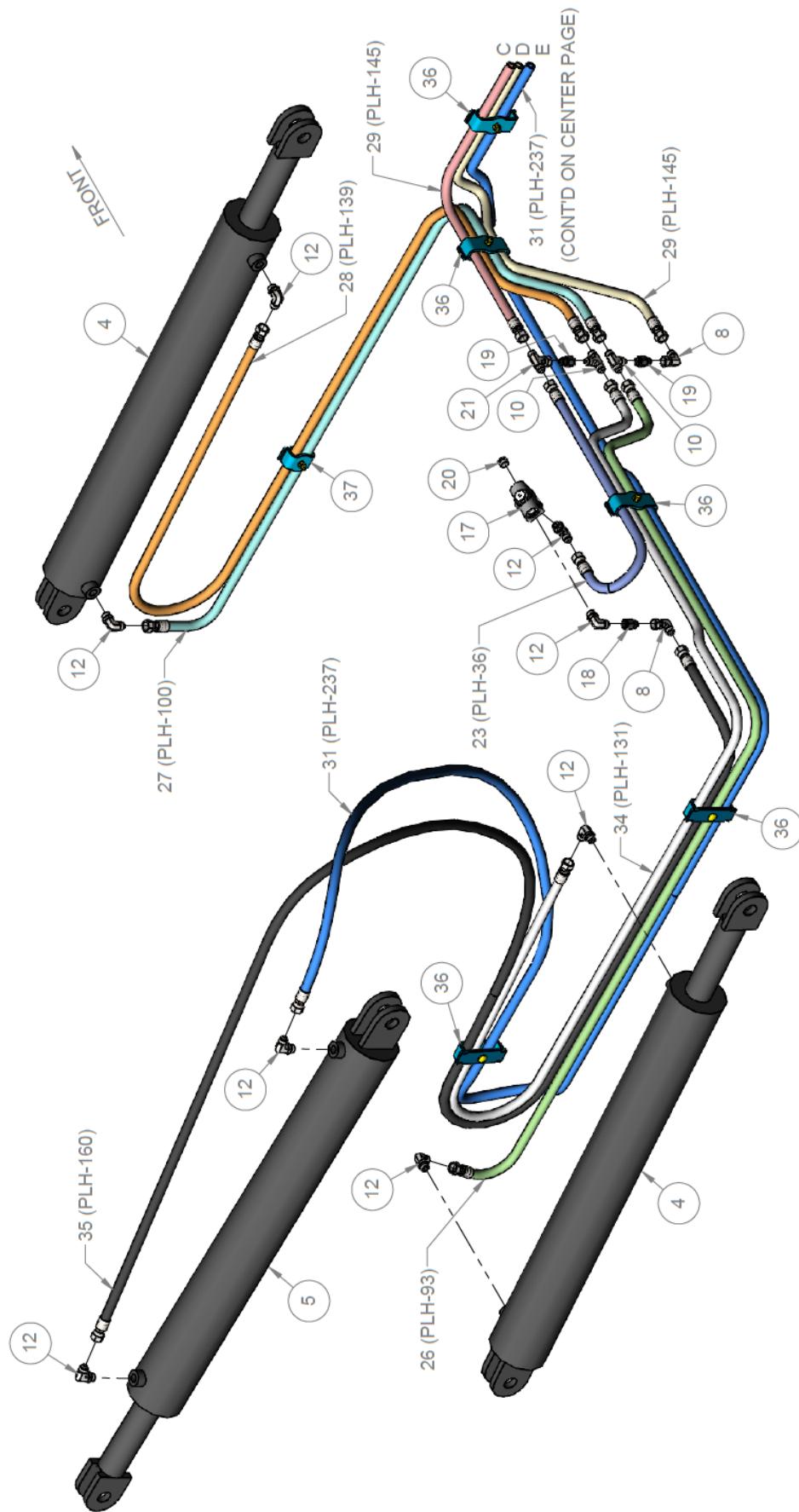
<i>60' Subframe Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	10
2	212-304	#8 M-JIC x #8 F-JIC-SW, 90	2
3	212-306	#8 M-JIC TEE	18
4	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	2
5	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
6	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
7	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16"AGL DRLD	10
8	212-504 (PLH-22)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
9	212-505 (PLH-22-ORB)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
10	212-510 (PLH-29)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	8
11	212-512 (PLH-32)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
12	212-514 (PLH-40)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
13	212-517 (PLH-48)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
14	212-520 (PLH-80)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
15	212-521 (PLH-84)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
16	212-524 (PLH-92)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	2
17	212-526 (PLH-99)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
18	212-528 (PLH-102)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
19	212-530 (PLH-121)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
20	212-532 (PLH-136)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
21	212-536 (PLH-176)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
22	212-557 (PLH-312)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
23	212-574 (PLH-20)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	7
24	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-

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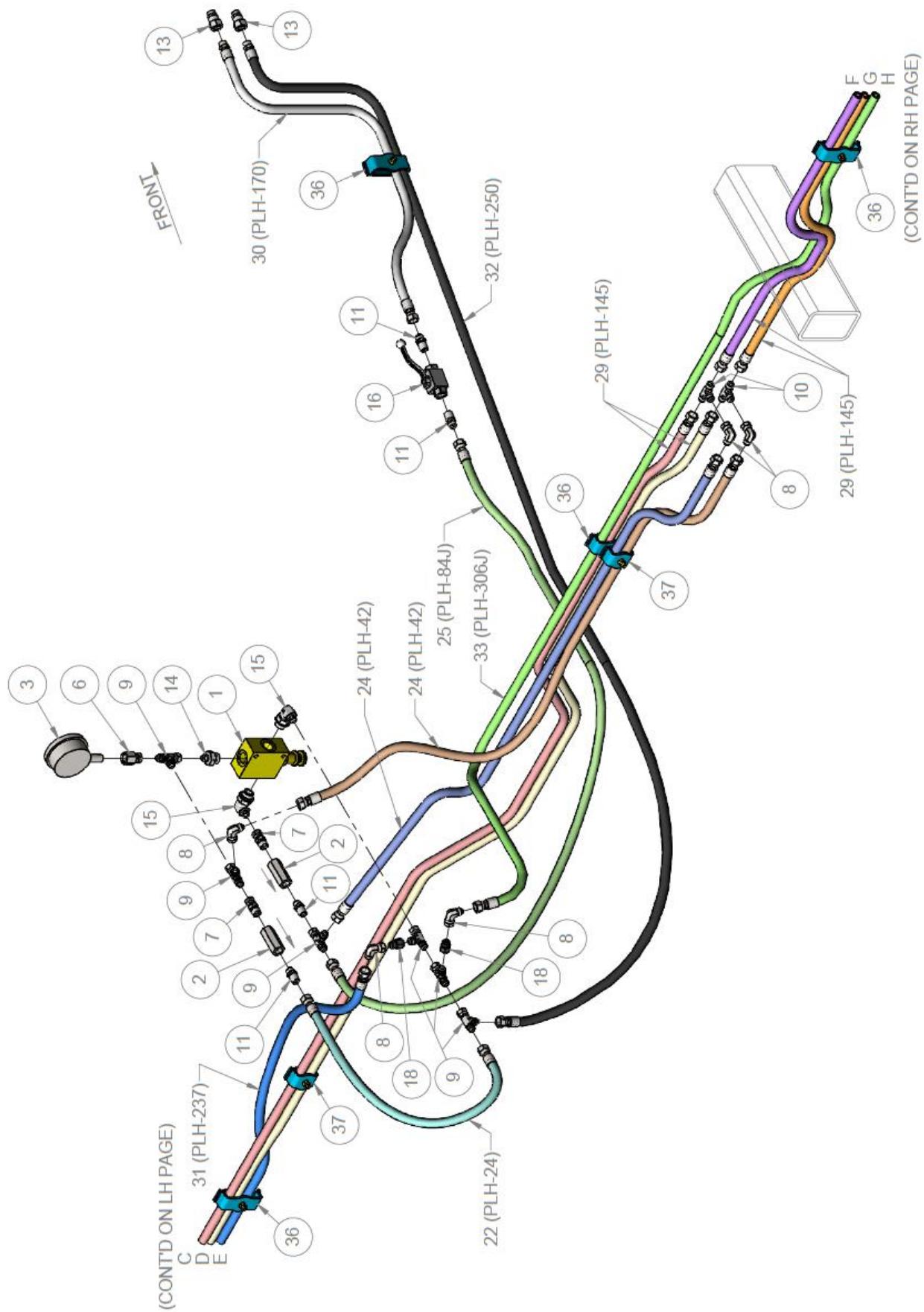
60' Subframe Hydraulic Circuit – Schematic



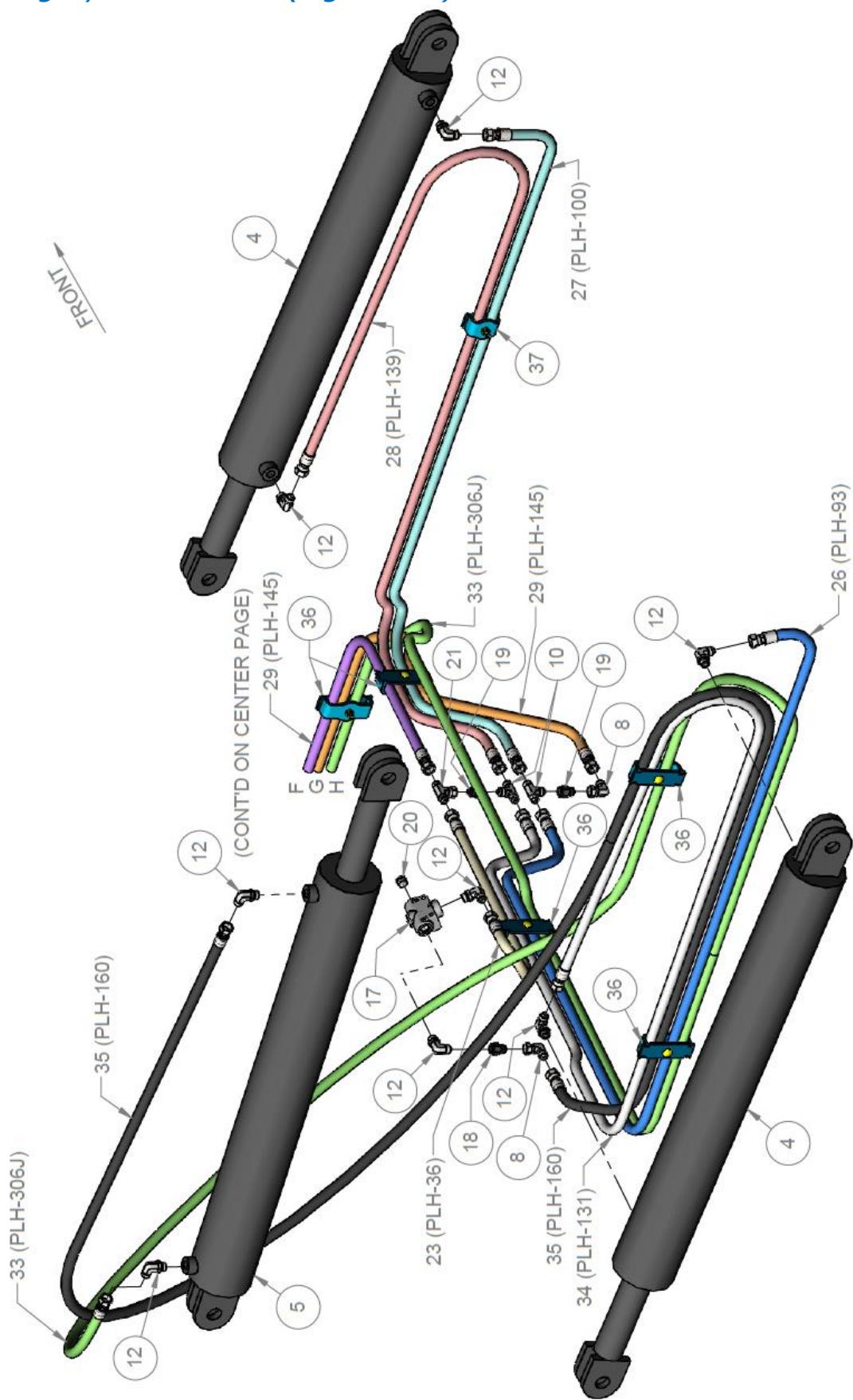
60' Wing Hydraulic Circuit (Left-hand)



60' Wing Hydraulic Circuit (Center)



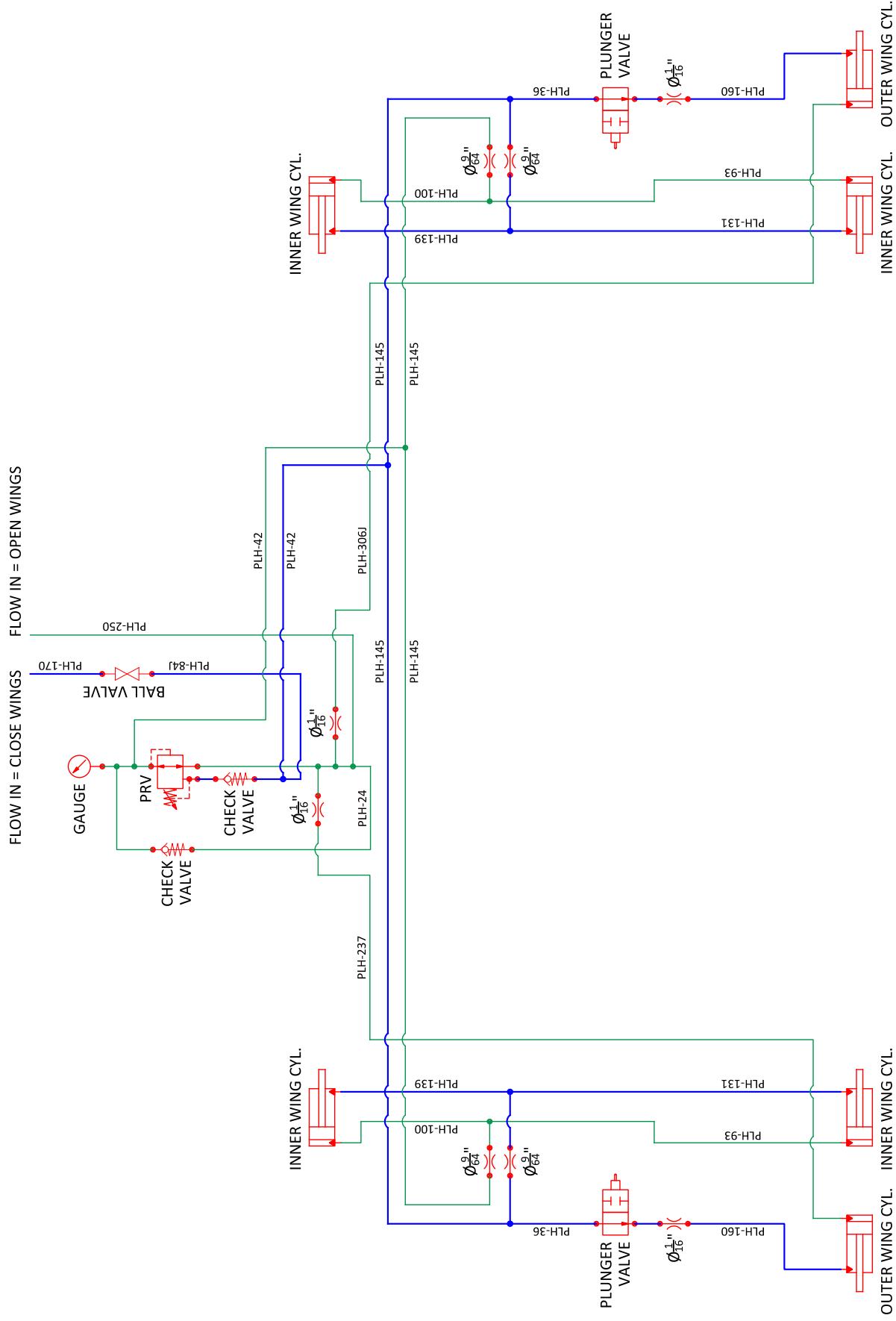
60' Wing Hydraulic Circuit (Right-hand)



Parts Manual

<i>60' Wing Hydraulic Circuit</i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-020	VALVE, PRV	1
2	212-022	CHECK VALVE, P/N: DLT - EDC30S	2
3	212-047	4" LIQUID FILLED SS PRESSURE GAUGE, 0-5000 PSI	1
4	212-159	5" x 40" HYD CYL, RAM P/N: R4508695	4
5	212-160	5" x 40" HYD CYL, RAM P/N: R4508696	2
6	212-302	1/2" F-NPT x #8 F-JIC-SW, ADAPTER	1
7	212-303	1/2" M-NPT x #8 F-JIC-SW, ADAPTER	2
8	212-304	#8 M-JIC x #8 F-JIC-SW, 90	9
9	212-305	#8 JIC RUN TEE, M-F SW-M	6
10	212-306	#8 M-JIC TEE	6
11	212-307	1/2" M-NPT x #8 M-JIC, ADAPTER	4
12	212-311	#8 M-ORB x #8 M-JIC, 90	16
13	212-313	#8 F-ORB x PIONEER END, POPPET STYLE	2
14	212-315	#12 M-ORB x #8 M-JIC, ADAPTER	1
15	212-318	#12 M-ORB x #8 M-JIC, 90 ADAPTER	2
16	212-321	1/2" F-NPT BALL VALVE, 7250 PSI	1
17	212-324	PRINCE STROKE CONTROL VALVE, P/N: PM-SC-10	2
18	212-325	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 1/16" AGL DRILLED	4
19	212-327	#8 M-JIC x #8 F-JIC RESTRICTOR BLANK, 9/64" STR DRILLED	4
20	212-331	#8 M-ORB HOLLOW HEX PLUG	2
21	212-332	#8 JIC BRANCH TEE, M-M-F SW	2
22	212-506 (PLH-24)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
23	212-513 (PLH-36)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
24	212-515 (PLH-42)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
25	212-522 (PLH-84J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
26	212-525 (PLH-93)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
27	212-527 (PLH-100)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
28	212-533 (PLH-139)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
29	212-534 (PLH-145)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	4
30	212-535 (PLH-170)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
31	212-544 (PLH-237)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
32	212-548 (PLH-250)	Hose Assy, 1/2", #8 F-JIC-SW x #8 M-ORB	1
33	212-555 (PLH-306J)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	1
34	212-576 (PLH-131)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
35	212-577 (PLH-160)	Hose Assy, 1/2", #8 F-JIC-SW x #8 F-JIC-SW	2
36	600-1057	HOSE CLAMP ASSY, 13/16" X 3-7/8"	-
37	600-1061	HOSE CLAMP KIT, 7/8" X 2-1/8"	-

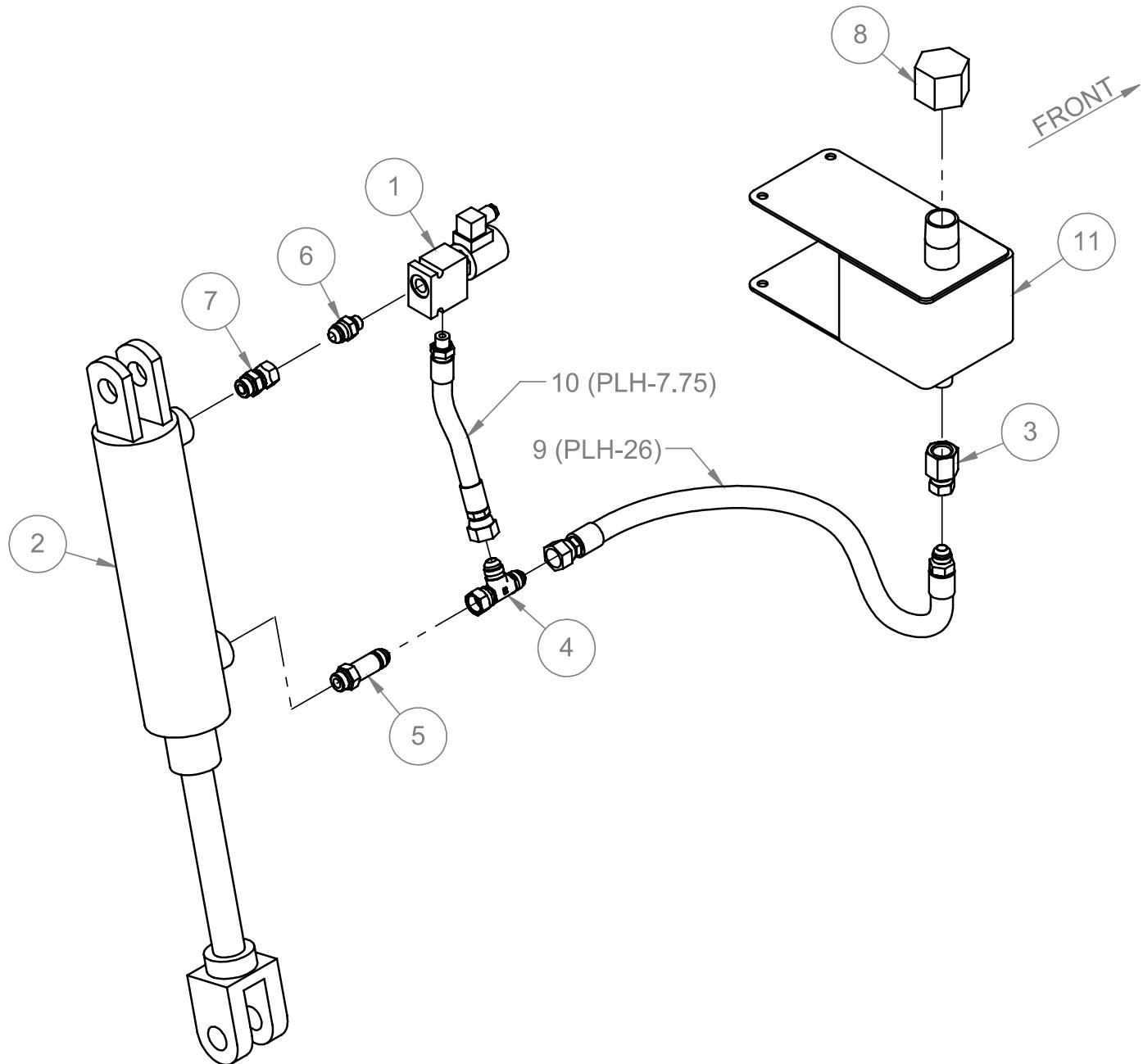
60' Wing Hydraulic Circuit – Schematic



Parts Manual

Notes

50'/60' Wing-up Safety Hydraulic Circuit

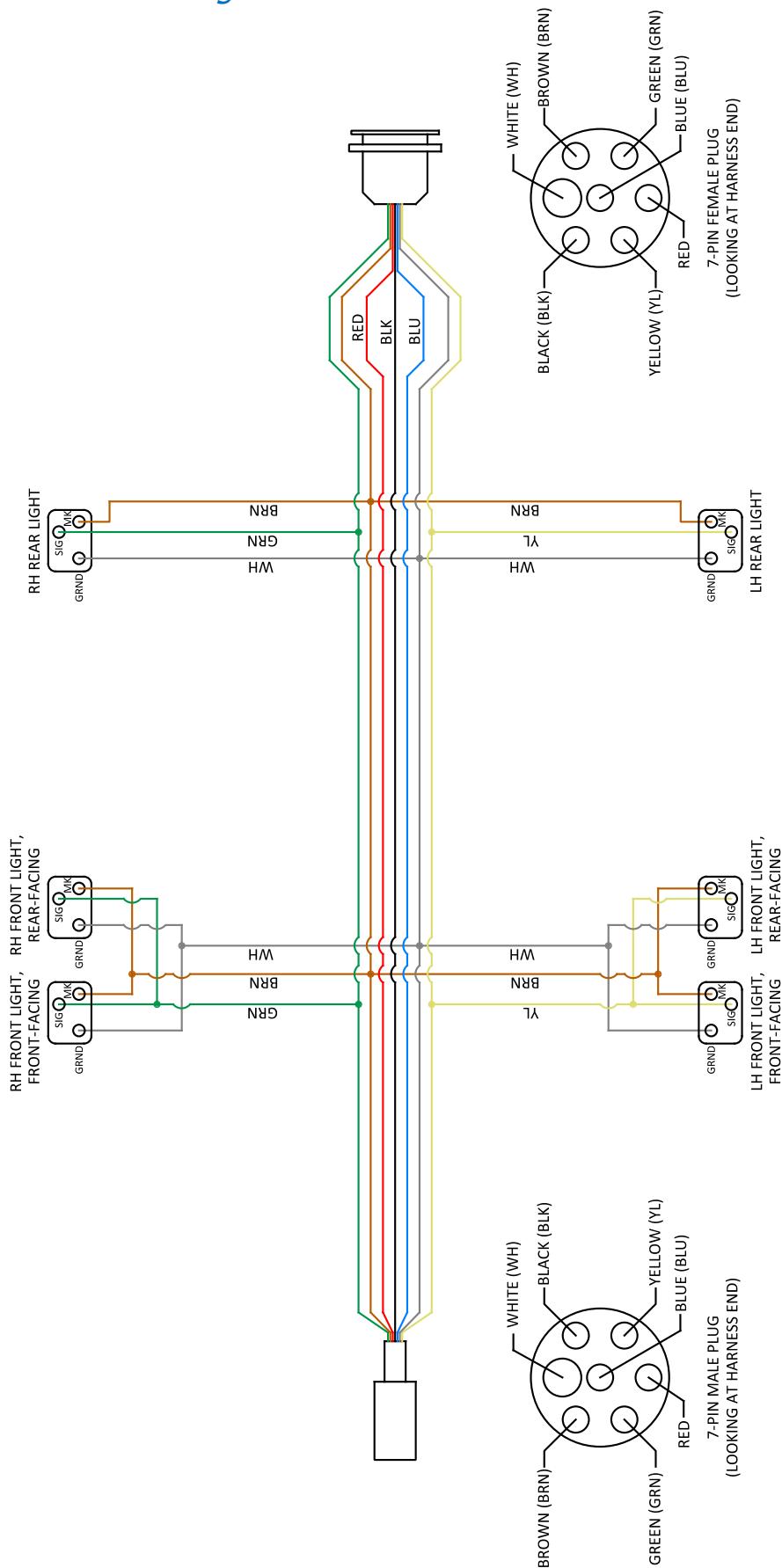


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50'/60' Wing-up Safety Hydraulic Circuit

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	212-021	VALVE, 12V SOLENOID	1
2	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	1
3	212-302	1/2" F-NPT x #8 F-JIC-SW, ADAPTER	1
4	212-305	#8 JIC RUN TEE, M-F SW-M	1
5	212-316	#8 M-ORB x #8 M-JIC, LONG ADAPTER	1
6	212-317	#6 M-ORB x #8 M-JIC, ADAPTER	1
7	212-319	#8 M-ORB x #8 F-JIC-SW, ADAPTER	1
8	212-320	1" F-NPT, CAP	1
9	212-508 (PLH-26)	HOSE ASSY, 1/2", #8 F-JIC-SW x #8 M-JIC	1
10	212-573 (PLH-7.75)	HOSE ASSY, 3/8", #6 M-ORB x #8 F-JIC-SW	1
11	600-1168	OIL TANK	1

Wiring Schematic - Lights

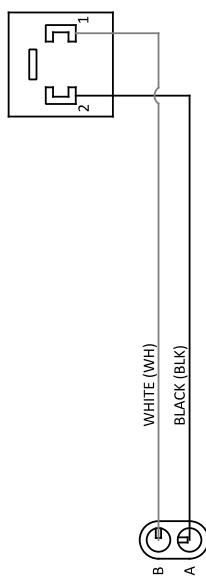


LIGHTING HARNESS, ALL DRILL MODELS

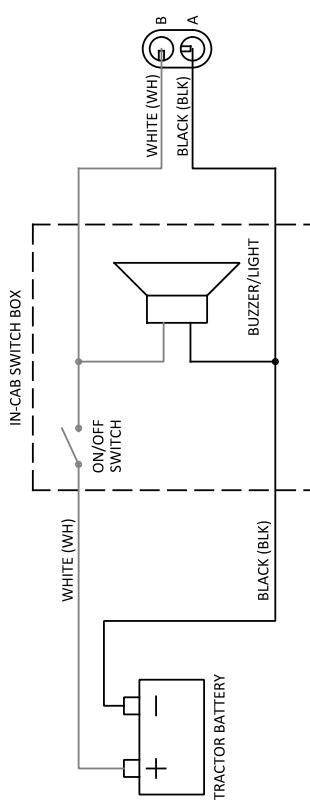
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Wiring Schematic – Switch Box and Work Switch

SOLENOID VALVE
DIN CONNECTOR



WING-UP 3-WAY SELECTOR VALVE HARNESS (40' DRILLS ONLY)
REAR BEAM STABILIZER HARNESS (50' & 60' DRILLS ONLY)



IN-CAB SWITCH BOX (40', 50', 60' DRILLS)



WORK SWITCH WIRING TYPE 1
NORMALLY OPEN (PUSH TO CLOSE)



WORK SWITCH WIRING TYPE 2
NORMALLY CLOSED (PUSH TO OPEN)

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Manufactured by:



Pillar

On the Cutting Edge of Agriculture

P.O. Box 1940
117 Haichert St.
Warman, SK
S0K 4S0

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Tel: (306) 242-4955

Fax: (306) 242-1085

info@pillarlaser.com

www.pillarlaser.com

Contact us for dealer information