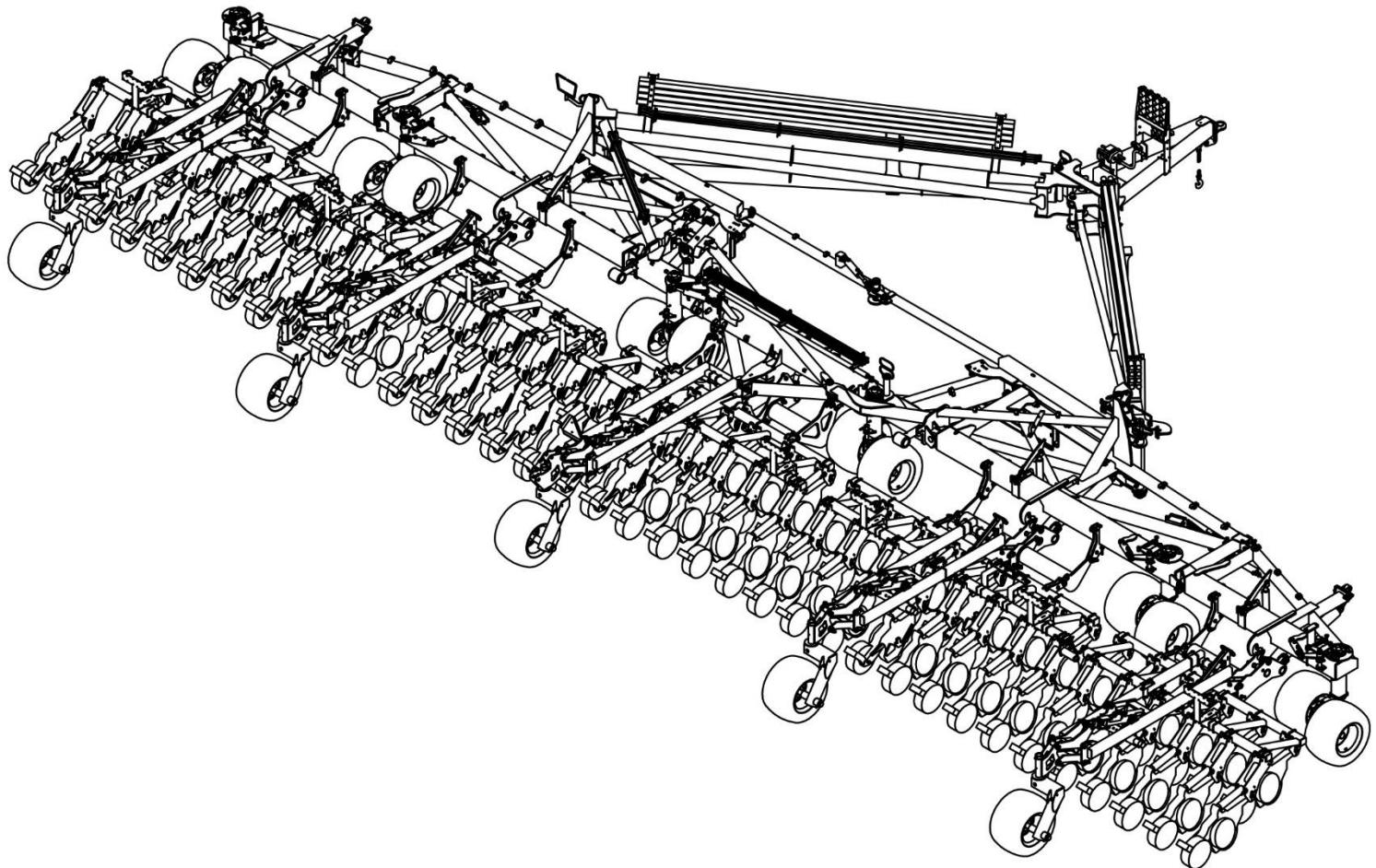


# Pillar

# Stealth Flex



## 51', 61' & 71' *Parts Manual*

V 1.1

*Revised October 23, 2023*

# Parts Manual

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# Parts Manual

## 1 Overview

### 1.1 Terminology

####-###A:	Contains sub-assembly: Refer to the parts diagrams preceding item, or to Sub-Assembly Parts Diagrams (Section 3), as applicable.
ASSY:	Assembly
DIM:	Dimension
HYD:	Hydraulic
LH:	Left-hand
PLCS:	Places
REF:	Reference
RH:	Right-hand
QTY:	Quantity
SP:	Spacing (e.g. 10" SP or 12" SP for openers / seed rows)
TBH:	Tow-behind (Air cart configured behind seed drill)
TBT:	Tow-between (Air cart configured between tractor and seed drill)
TYP:	Typical (Other features share the same characteristic)
UNO:	Unless noted otherwise

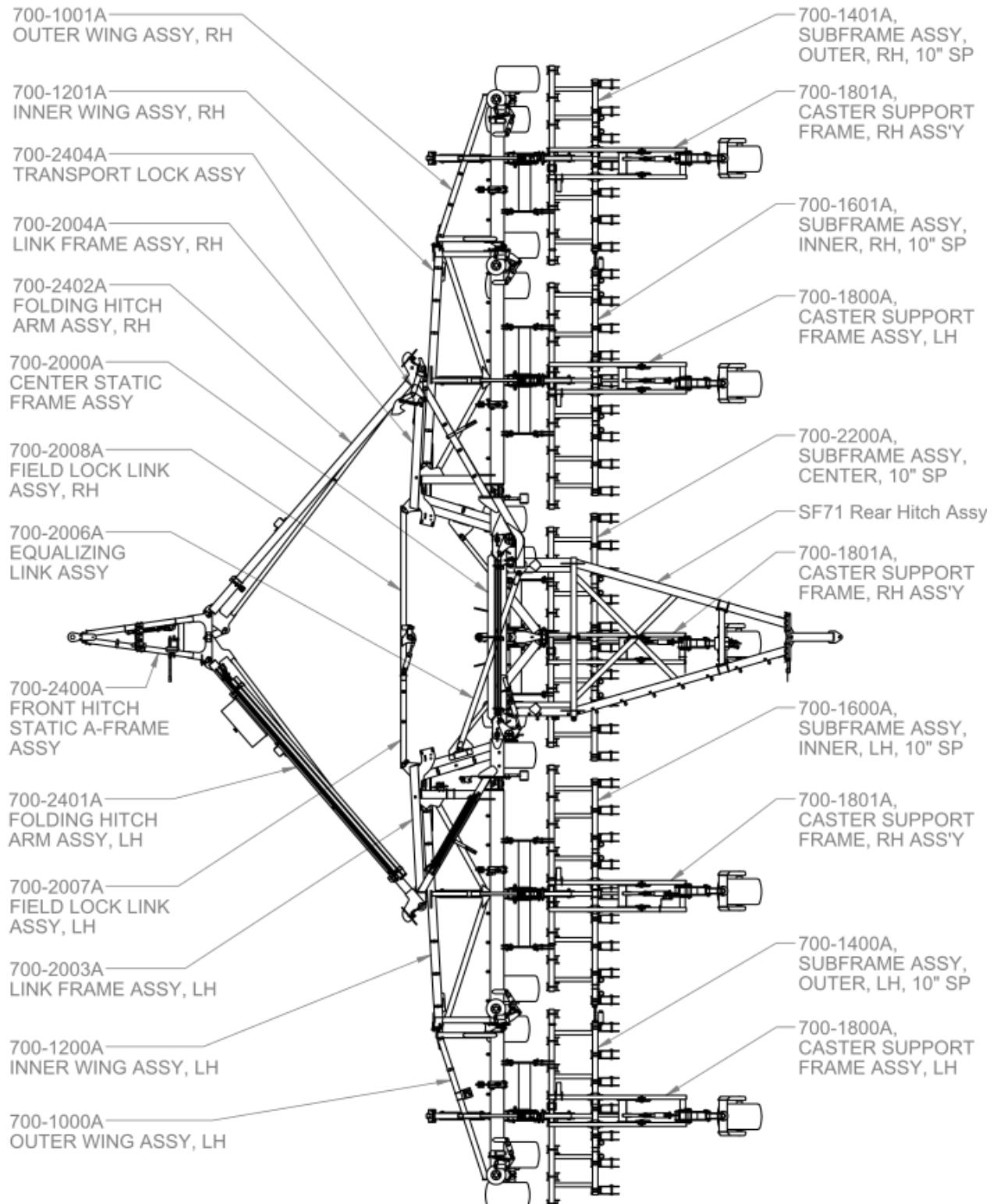
### 1.2 General Order of Assembly

(Refer to Section 1.3)

1. Center Section
  - a. Static Center Frame
  - b. Static Center Wheels (excluding tires)
  - c. Link Frames (2)
  - d. Equalizing Link
  - e. Field Lock Links (2)
  - f. Folding Hitch Arm, RH
  - g. Transport Lock
  - h. Folding Hitch Arm, LH
  - i. Hitch *(for ease-of-access, install after completing subframe assemblies)*
2. Wing Frames
  - a. Inner Wing Frames (2)
  - b. Outer Wing Frames (2, 61' & 71' only)
3. Pitman Arms
4. Torque Tubes
5. Subframes (pre-assembled with openers)
  - a. Refer to Subframe opener layout assembly drawings
6. Caster Support Frames
  - a. Caster Mount Stabilizer
7. Casters Wheels, Rear
  - a. Caster Parallel Links
  - b. Rear Caster Frame
8. Control Arms
9. Depth Stop Trapeze
10. Wing Rest
11. Rear Hitch (TBH only)
12. Accessories
  - a. Hydraulic Steel Tubes
  - b. Seed Tubes
  - c. Slow-close levers & Actuators
  - d. Air Hose Clamps/Mounts
  - e. Air Hose Header Mounts
  - f. Hydraulic Hoses & fittings
  - g. Wiring
  - h. Decals

# Parts Manual

## 1.3 Major Components Layout



# Parts Manual

## 2 Parts Diagrams: Main Assemblies

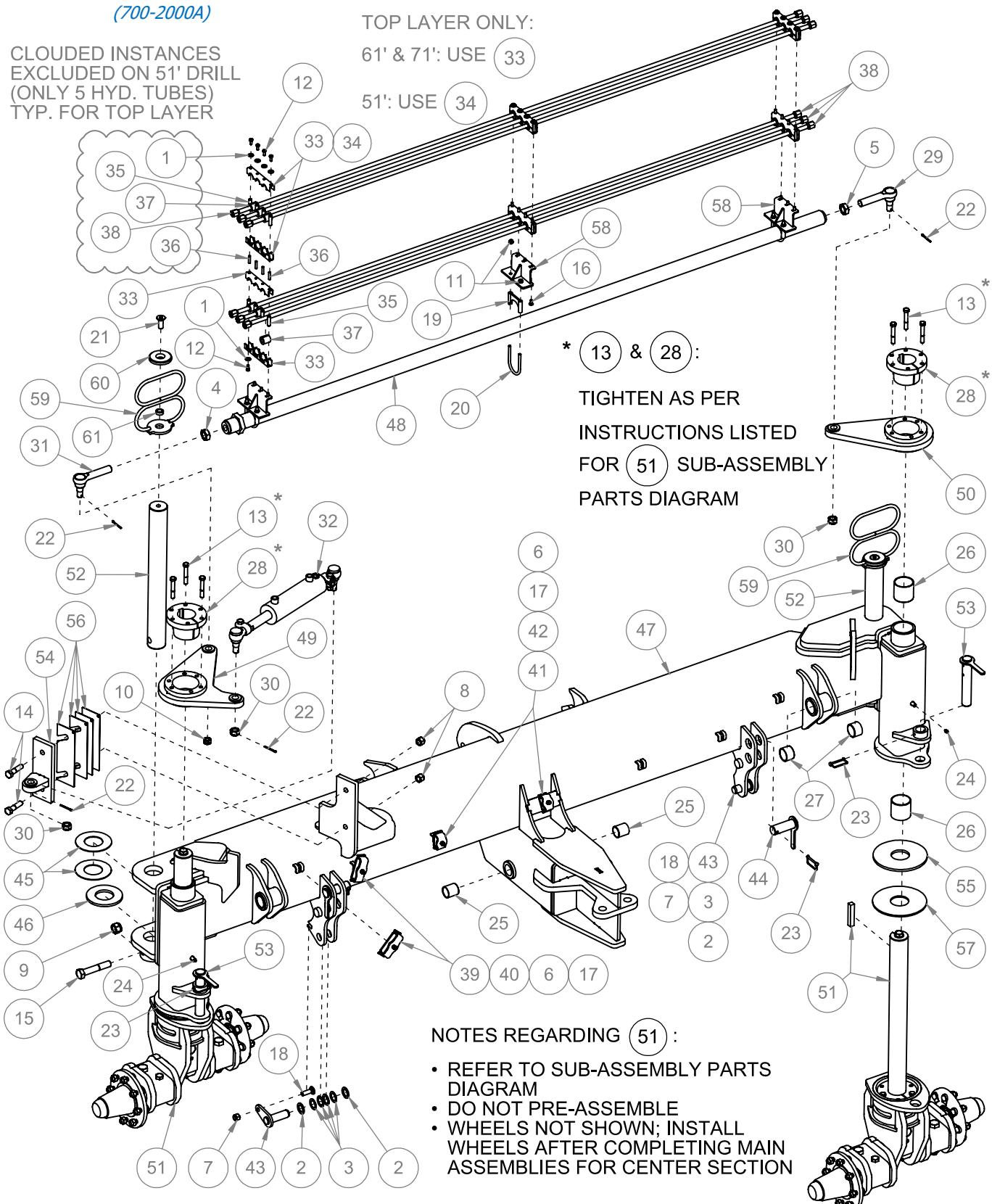
*(Listed in order of assembly)*

### 2.1 Static Center Frame

Refer to Section 4.1 for assembled view and positional dimensions.

(700-2000A)

CLOUDED INSTANCES EXCLUDED ON 51' DRILL (ONLY 5 HYD. TUBES)  
TYP. FOR TOP LAYER



# Parts Manual

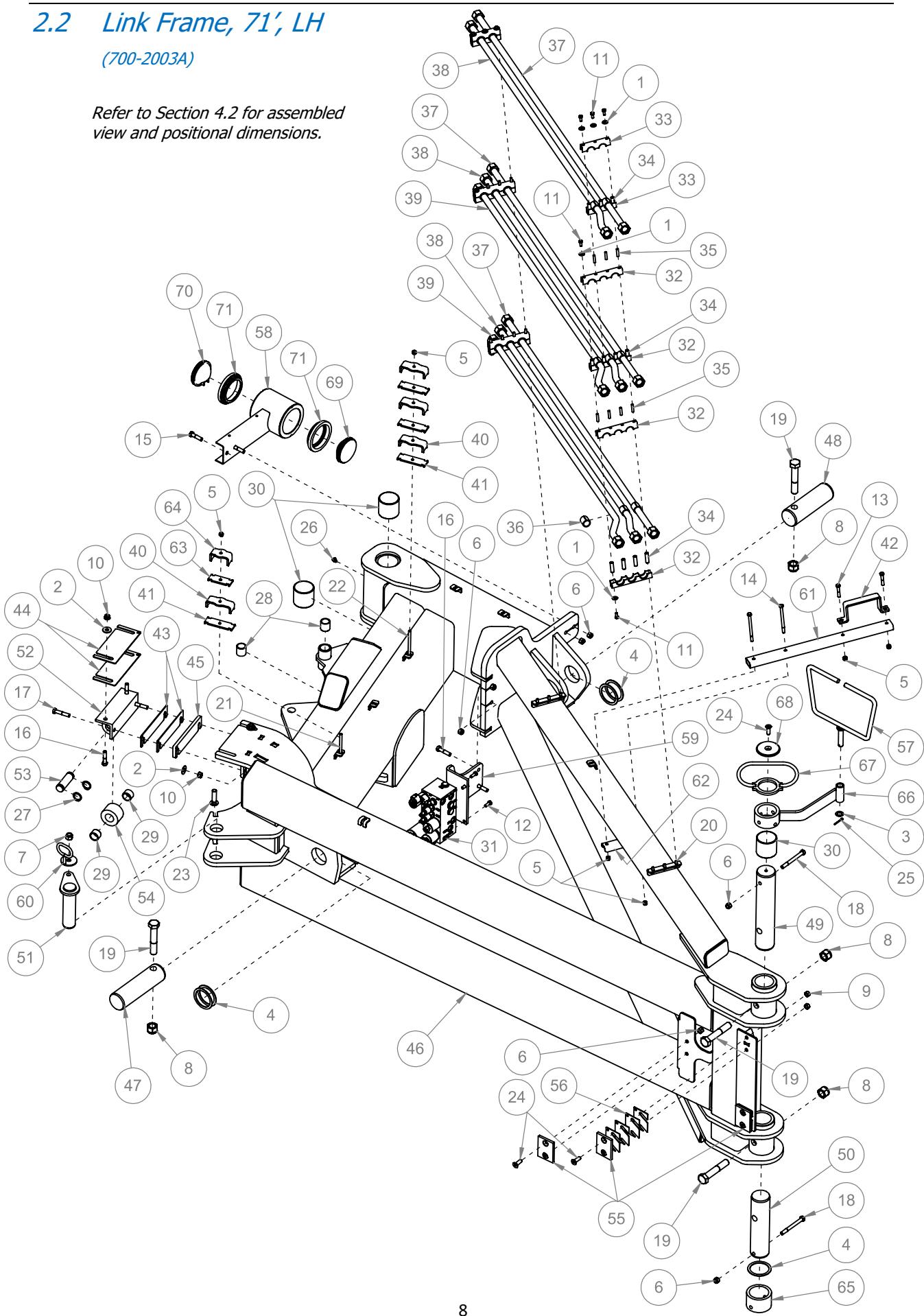
## Static Center Frame

ITEM NO.	PART NUMBER	DESCRIPTION	61' & 71' TBT QTY	61' & 71' TBH QTY	51' TBT QTY	51' TBH QTY
1	101-002	WASHER, 5/16 PLATED ASME WIDE	15	15	15	15
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4	4	4	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8	8	8	8
4	113-042	NUT JAM 1.125 UNF LH GR 5 PLATED	1	1	1	1
5	113-043	NUT JAM 1.125 UNF GR 2 PLATED	1	1	1	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	4	4	4	4
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	2	2	2	2
8	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	2	2	2	2
9	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2	2	2	2
10	122-003	SLOTTED HEX NUT, 3/4" UNF GR 2 YZ	1	1	1	1
11	124-006	NUT, 3/8" FLANGE, NYLON INSERT	6	6	6	6
12	125-026	BOLT, 5/16 X 3/4 UNC GR5 PLATED	15	15	15	15
13	125-136	BOLT, 9/16 X 3-1/2 UNC GR5 PLATED	6	6	6	6
14	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	2	2	2	2
15	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	2	2	2	2
16	145-026	CARR. BOLT, 5/16 X 3/4 UNC GR5 PLATED	9	9	9	9
17	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	4	4	4	4
18	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	2	2	2	2
19	165-006	MUFFLER CLAMP, 2.625" ID	3	3	3	3
20	165-017	U-BOLT, 3/8-16x2-1/2" B/T x 4IH, ROUND	3	3	3	3
21	165-071	Socket Countersunk Flat Head Cap Screw, 3/4-10 UNC, 2" LG	2	-	2	-
22	170-078	COTTER PIN, 3/16 X 2 PLATED	4	4	4	4
23	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	4	4	4	4
24	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	2	2	2	2
25	206-503	BUSHING, igus Q2SI-2831-32, 1-3/4" ID x 1-15/16" OD X 2" LG	2	2	2	2
26	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4	4	4	4
27	206-520	BUSHING, TX1SI-3236-24, 2" ID x 2-1/4" OD x 1-1/2" LG	-	4	-	4
28	212-254	DODGE QD BUSHING, F, 3in, P/N 120563	2	2	2	2
29	212-257	TIE ROD END, RH, TRP P/N: TE11987LBH	1	1	1	1
30	212-257-01	SLOTTED HEX NUT, 7/8" UNF GR 2 YZ	3	3	3	3
31	212-258	TIE ROD END, LH 1.50", TRP P/N: TE11988LBH	1	1	1	1
32	212-286	3" x 8" HYD CYL, RAM, STROKE SENSOR, TIE-ROD ENDS P/N: R4509468	1	1	1	1
33	212-464	Multi Clamp Unit, 2" C-to-C, 3 Holes, Hydro-Craft P/N: HC-16-3-4 *(Pair)*	6	6	3	3
34	212-465	Multi Clamp Unit, 2" C-to-C, 2 Holes, Hydro-Craft P/N: HC-16-2-3 *(Pair)*	-	-	3	3
35	212-467	Multi Clamp Stacking Nut, HC-16 Series, Hydro-Craft P/N: N-16	24	24	21	21
36	212-468	Multi Clamp Thread Adapter, HC-16 Series, Hydro-Craft P/N: T-10	12	12	9	9
37	212-471	Split Bushing, 5/8" Tube, HC-16 Series, Hydro-Craft P/N: G-16-10	18	18	15	15
38	212-472	TIE ROD HYD TUBE	6	6	5	5
39	600-1058	HOSE CLAMP, WIDE	2	2	2	2
40	600-1060	LOWER PLATE, WIDE	2	2	2	2
41	600-1062	HOSE CLAMP, NARROW	2	2	2	2
42	600-1064	LOWER PLATE, NARROW	2	2	2	2
43	700-1028	TORQUE TUBE PIN	2	2	2	2
44	700-1449	WING LOCK PIN	2	2	2	2
45	700-1918	CASTER STEM SHIM, TOP	4	4	4	4
46	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	2	2	2	2
47	700-2000	CENTER STATIC FRAME	1	1	1	1
48	700-2010	TIE ROD	1	1	1	1
49	700-2011	STEERING ARM, LH	1	1	1	1
50	700-2012	STEERING ARM, RH	1	1	1	1
51	700-2016A	STATIC CENTER FRONT WHEEL ASSY (REFER TO SUB-ASSEMBLY PAGE)	2	2	2	2
52	700-2030	LINK FRAME PIVOT PIN	2	2	2	2
53	700-2046	STEERING LOCK PIN	2	2	2	2
54	700-2047	STEERING CYL. MOUNT	1	1	1	1
55	700-2048	STEERING AXLE WEAR SURFACE	2	2	2	2
56	700-2049	WHEEL ALIGNMENT SHIM, 16 GA.	4	4	4	4
57	700-2055	STEERING AXLE STEEL WEAR SURFACE	2	2	2	2
58	700-2056	TIE ROD TUBE MOUNT	3	3	3	3
59	700-2059	LINK PIVOT HOSE HOLDER	2	-	2	-
60	700-2060	LINK PIVOT KEEPER PL	2	-	2	-
61	700-2061	LINK PIVOT HYD HOLDER SPACER	2	-	2	-

# Parts Manual

## 2.2 Link Frame, 71', LH (700-2003A)

*Refer to Section 4.2 for assembled view and positional dimensions.*



# Parts Manual

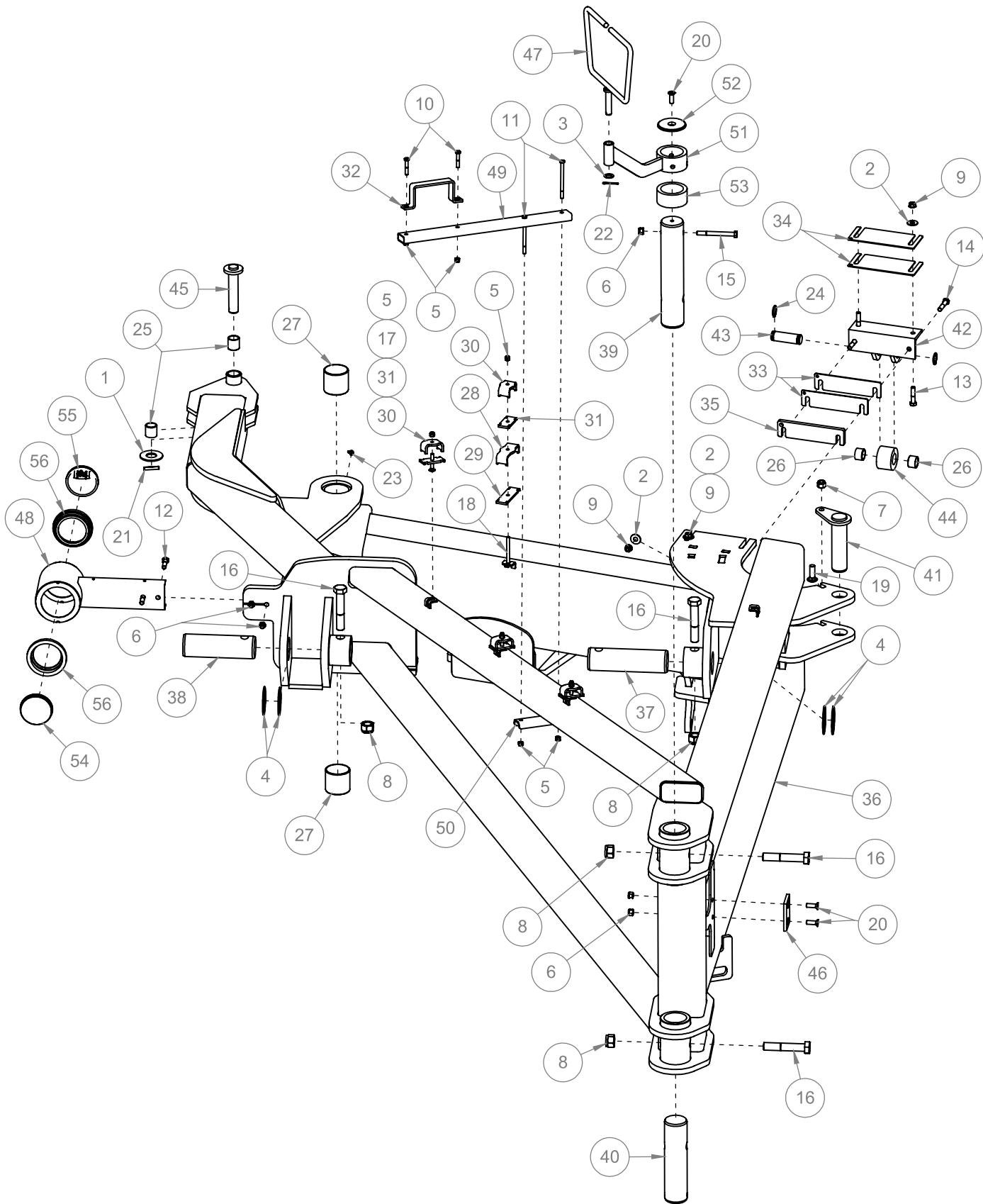
## Link Frame, LH, 71'

ITEM NO.	PART NO.	DESCRIPTION	TBT QTY	TBH QTY	ITEM NO.	PART NO.	DESCRIPTION	TBT QTY	TBH QTY
1	101-002	WASHER, 5/16 PLATED ASME WIDE	6	10	37	212-473	LINK FRAME HYD TUBE A	2	3
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	4	4	38	212-474	LINK FRAME HYD TUBE B	2	3
3	104-002	WASHER, 3/4" ID x 1-1/4" OD x 18GA	1	1	39	212-475	LINK FRAME HYD TUBE C	-	2
4	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	5	5	40	600-1058	HOSE CLAMP, WIDE	4	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6	6	41	600-1060	LOWER PLATE, WIDE	4	4
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	8	8	42	600-1178	HOSE STRAP	1	1
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	1	43	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	2 - 5	2 - 5
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	4	4	44	700-1031	ROLLER SHIM, VERT. DIST.	2	2
9	118-005	STOVER NUT, 1/2 UNC GR 2 PLATED	4	4	45	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	0 - 1	0 - 1
10	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	4	4	46	700-2003	LINK FRAME, LH	1	1
11	125-026	BOLT, 5/16 X 3/4 UNC GR5 PLATED	6	10	47	700-2031	LINK FRAME - INNER WING PIN, FRONT	1	1
12	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	3	3	48	700-2032	LINK FRAME - INNER WING PIN, REAR	1	1
13	125-056	BOLT, 3/8 X 2 UNC GR5 PLATED	2	2	49	700-2033	HITCH TO FRAME PIN, UPPER	1	1
14	125-068	BOLT, 3/8 X 5 UNC GR5 PLATED	2	2	50	700-2034	HITCH TO FRAME PIN, LOWER	1	1
15	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	2	2	51	700-2035	FIELD LOCK LINK MOUNT PIN	1	1
16	125-106	BOLT, 1/2 X 2-1/4 UNC GR5 PLATED	4	4	52	700-2039	ROLLER MOUNT	1	1
17	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	2	2	53	700-2040	HITCH / FRAME RAMP ROLLER AXLE	1	1
18	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	2	2	54	700-2041	HITCH / FRAME RAMP ROLLER	1	1
19	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	4	4	55	700-2044	HITCH/FIELD LOCK WEAR PL	3	3
20	145-026	CARR. BOLT, 5/16 X 3/4 UNC GR5 PLATED	6	6	56	700-2045	HITCH/FIELD LOCK WEAR PL SHIM, 14 GA.	8	8
21	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	1	1	57	700-2050	PRIMARY HOSE SADDLE	1	1
22	145-069	CARR. BOLT, 3/8 X 5 UNC GR5 PLATED	1	1	58	700-2053	LIGHT BRACKET	1	1
23	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	1	59	700-2058	TRANSPORT MANIFOLD MOUNT	1	1
24	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	7	7	60	700-2062	2 HOSE LOOP	1	1
25	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1	1	61	700-2063	HOSE STRAP SUPPORT, LINK FRAME	1	1
26	180-008	GREASE FITTING, 1/8 NPT - 90 DEG	1	1	62	700-2064	HOSE SUPPORT SANDWICH PL	1	1
27	206-098	1.25" HD EXTERNAL SNAP RING	2	2	63	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	1	1
28	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2	64	700-2422	(2) x 3/4" HOSE CLAMP	1	1
29	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	2	2	65	700-2435	HITCH BUSHING KEEPER	1	1
30	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	3	3	66	700-2451	PRIMARY HOSE SADDLE SUPPORT	1	1
31	212-290	TRANSPORT MANIFOLD	1	1	67	700-2452	HYDRAULIC ORGANIZER LOOP	1	1
32	212-464	Multi Clamp Unit, 2" C-to-C, 3 Holes, Hydro-Craft P/N: HC-16-3-4 *(Pair)*	-	4	68	700-2453	ORGANIZER KEEPER PL	1	1
33	212-465	Multi Clamp Unit, 2" C-to-C, 2 Holes, Hydro-Craft P/N: HC-16-2-3 *(Pair)*	4	2	69	N/A	4" ROUND LIGHT, AMBER	1	1
34	212-467	Multi Clamp Stacking Nut, HC-16 Series, Hydro-Craft P/N: N-16	12	22	70	N/A	4" ROUND LIGHT, RED	1	1
35	212-468	Multi Clamp Thread Adapter, HC-16 Series, Hydro-Craft P/N: T-10	6	14	71	N/A	GROMMET, 4" ROUND LIGHT	2	2
36	212-469	Split Bushing, 1" Tube, HC-16 Series, Hydro-Craft P/N: G-16-16	8	16					

# Parts Manual

## 2.3 Link Frame, 71', RH

(700-2004A)



# Parts Manual

## *Link Frame, RH, 71'*

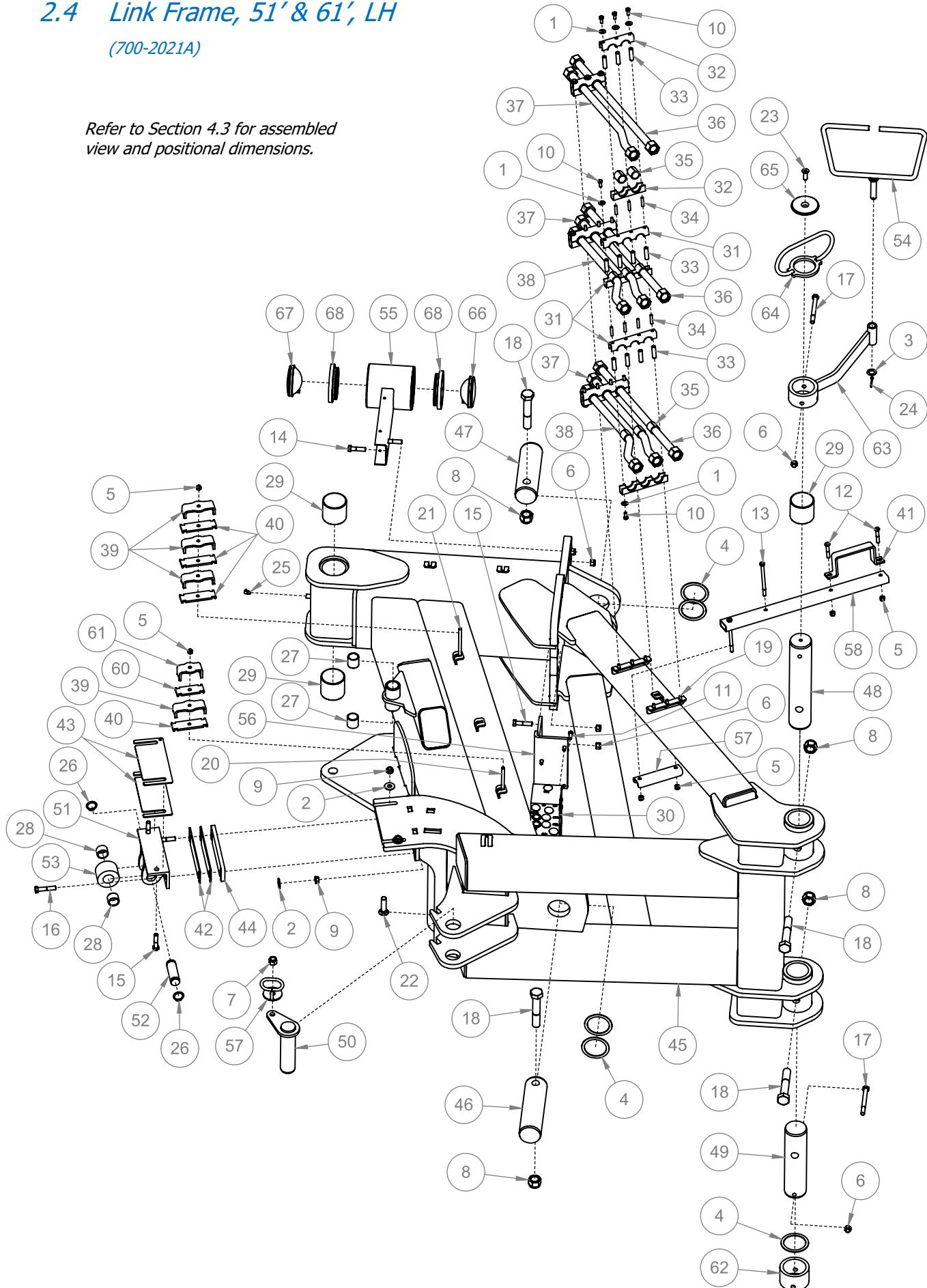
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER, 1-1/4 PLATED USS	1
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	4
3	104-002	WASHER, 3/4" ID x 1-1/4" OD x 18GA	1
4	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	8
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	5
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	4
9	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	4
10	125-056	BOLT, 3/8 X 2 UNC GR5 PLATED	2
11	125-068	BOLT, 3/8 X 5 UNC GR5 PLATED	2
12	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	2
13	125-106	BOLT, 1/2 X 2-1/4 UNC GR5 PLATED	2
14	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	2
15	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	1
16	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	4
17	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	3
18	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	1
19	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1
20	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	3
21	170-027	ROLL PIN, 3/8 X 2 PLATED	1
22	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1
23	180-008	GREASE FITTING, 1/8 NPT - 90 DEG	1
24	206-098	1.25" HD EXTERNAL SNAP RING	2
25	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
26	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	2
27	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	2
28	600-1058	HOSE CLAMP, WIDE	1
29	600-1060	LOWER PLATE, WIDE	1
30	600-1062	HOSE CLAMP, NARROW	4
31	600-1064	LOWER PLATE, NARROW	4
32	600-1178	HOSE STRAP	1
33	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	2 - 4
34	700-1031	ROLLER SHIM, VERT. DIST.	2
35	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	0 - 1
36	700-2004	LINK FRAME, RH	1
37	700-2031	LINK FRAME - INNER WING PIN, FRONT	1
38	700-2032	LINK FRAME - INNER WING PIN, REAR	1
39	700-2033	HITCH TO FRAME PIN, UPPER	1
40	700-2034	HITCH TO FRAME PIN, LOWER	1
41	700-2035	FIELD LOCK LINK MOUNT PIN	1
42	700-2039	ROLLER MOUNT	1
43	700-2040	HITCH / FRAME RAMP ROLLER AXLE	1
44	700-2041	HITCH / FRAME RAMP ROLLER	1
45	700-2043	RH EQUALIZING LINK PIN	1
46	700-2044	HITCH/FIELD LOCK WEAR PL	1
47	700-2050	PRIMARY HOSE SADDLE	1
48	700-2053	LIGHT BRACKET	1
49	700-2063	HOSE STRAP SUPPORT, LINK FRAME	1
50	700-2064	HOSE SUPPORT SANDWICH PL	1
51	700-2451	PRIMARY HOSE SADDLE SUPPORT	1
52	700-2453	ORGANIZER KEEPER PL	1
53	700-2454	ORGANIZER SPACER, RH	1
54	N/A	4" ROUND LIGHT, AMBER	1
55	N/A	4" ROUND LIGHT, RED	1
56	N/A	GROMMET, 4" ROUND LIGHT	2

# Parts Manual

## 2.4 Link Frame, 51' & 61', LH

(700-2021A)

Refer to Section 4.3 for assembled view and positional dimensions.



# Parts Manual

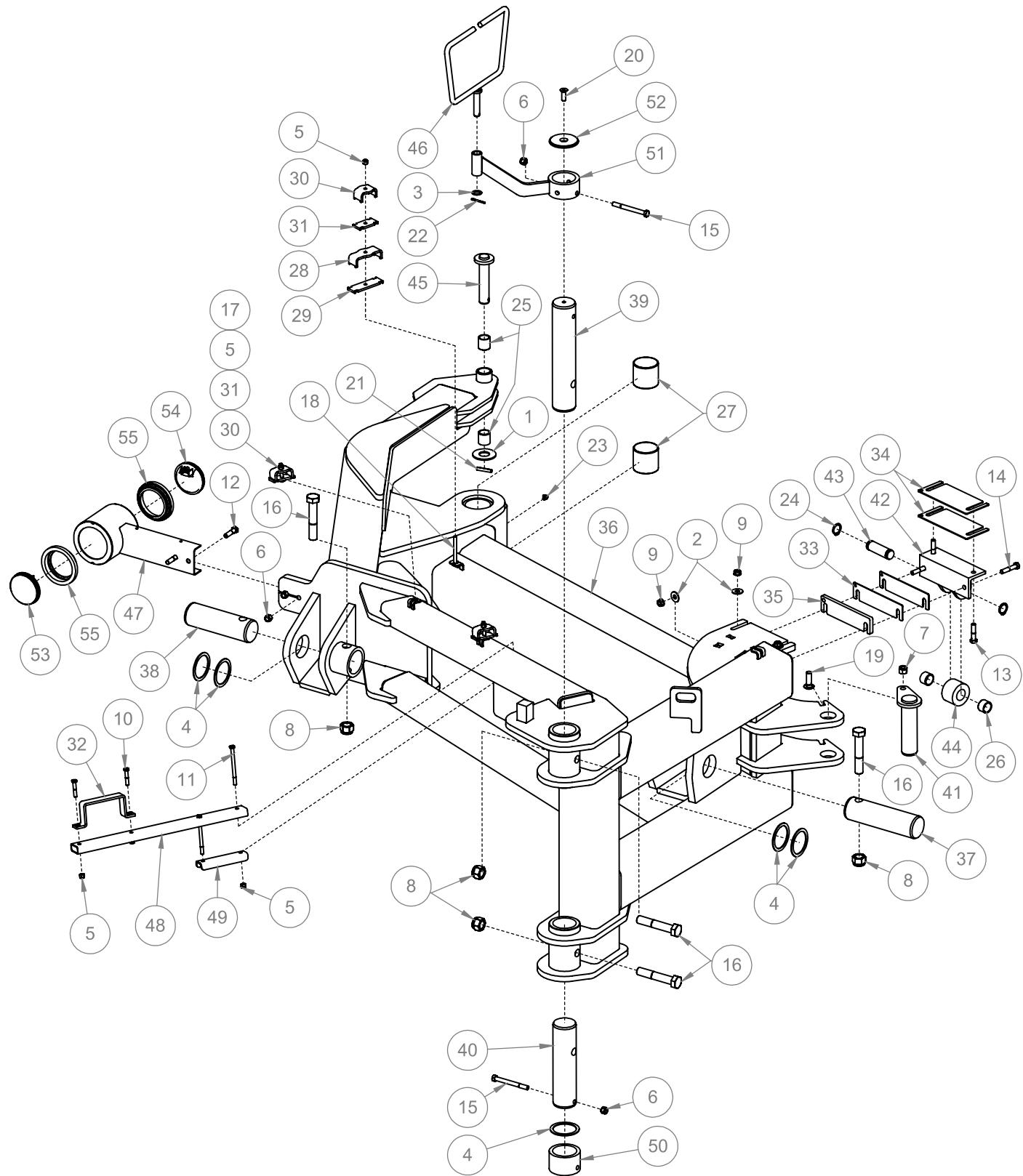
## *Link Frame, LH, 51' & 61'*

ITEM NO.	PART NO.	DESCRIPTION	TBT QTY	TBH QTY
1	101-002	WASHER, 5/16 PLATED ASME WIDE	6	10
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	4	4
3	104-002	WASHER, 3/4" ID x 1-1/4" OD x 18GA	1	1
4	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	5	5
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6	6
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	6	6
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	1
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	4	4
9	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	4	4
10	125-026	BOLT, 5/16 X 3/4 UNC GR5 PLATED	6	10
11	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	3	3
12	125-056	BOLT, 3/8 X 2 UNC GR5 PLATED	2	2
13	125-068	BOLT, 3/8 X 5 UNC GR5 PLATED	2	2
14	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	2	2
15	125-106	BOLT, 1/2 X 2-1/4 UNC GR5 PLATED	4	4
16	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	2	2
17	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	2	2
18	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	4	4
19	145-026	CARR. BOLT, 5/16 X 3/4 UNC GR5 PLATED	6	6
20	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	1	1
21	145-069	CARR. BOLT, 3/8 X 5 UNC GR5 PLATED	1	1
22	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	1
23	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	1	1
24	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1	1
25	180-008	GREASE FITTING, 1/8 NPT - 90 DEG	1	1
26	206-098	1.25" HD EXTERNAL SNAP RING	2	2
27	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2
28	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	2	2
29	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	3	3
30	212-290	TRANSPORT MANIFOLD	1	1
31	212-464	Multi Clamp Unit, 2" C-to-C, 3 Holes, Hydro-Craft P/N: HC-16-3-4 *(Pair)*	-	4
32	212-465	Multi Clamp Unit, 2" C-to-C, 2 Holes, Hydro-Craft P/N: HC-16-2-3 *(Pair)*	4	2
33	212-467	Multi Clamp Stacking Nut, HC-16 Series, Hydro-Craft P/N: N-16	12	22
34	212-468	Multi Clamp Thread Adapter, HC-16 Series, Hydro-Craft P/N: T-10	6	14
35	212-469	Split Bushing, 1" Tube, HC-16 Series, Hydro-Craft P/N: G-16-16	8	16
36	212-488	LINK FRAME HYD TUBE A, SHORT	2	3
37	212-489	LINK FRAME HYD TUBE B, SHORT	2	3
38	212-490	LINK FRAME HYD TUBE C, SHORT	-	2
39	600-1058	HOSE CLAMP, WIDE	4	4
40	600-1060	LOWER PLATE, WIDE	4	4
41	600-1178	HOSE STRAP	1	1
42	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	2 - 5	2 - 5
43	700-1031	ROLLER SHIM, VERT. DIST.	2	2
44	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	0 - 1	0 - 1
45	700-2021	LINK FRAME, LH, SHORT	1	1
46	700-2031	LINK FRAME - INNER WING PIN, FRONT	1	1
47	700-2032	LINK FRAME - INNER WING PIN, REAR	1	1
48	700-2033	HITCH TO FRAME PIN, UPPER	1	1
49	700-2034	HITCH TO FRAME PIN, LOWER	1	1
50	700-2035	FIELD LOCK LINK MOUNT PIN	1	1
51	700-2039	ROLLER MOUNT	1	1
52	700-2040	HITCH / FRAME RAMP ROLLER AXLE	1	1
53	700-2041	HITCH / FRAME RAMP ROLLER	1	1
54	700-2050	PRIMARY HOSE SADDLE	1	1
55	700-2053	LIGHT BRACKET	1	1
56	700-2058	TRANSPORT MANIFOLD MOUNT	1	1
57	700-2062	2 HOSE LOOP	1	1
58	700-2063	HOSE STRAP SUPPORT, LINK FRAME	1	1
59	700-2064	HOSE SUPPORT SANDWICH PL	1	1
60	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	1	1
61	700-2422	(2) x 3/4" HOSE CLAMP	1	1
62	700-2435	HITCH BUSHING KEEPER	1	1
63	700-2451	PRIMARY HOSE SADDLE SUPPORT	1	1
64	700-2452	HYDRAULIC ORGANIZER LOOP	1	1
65	700-2453	ORGANIZER KEEPER PL	1	1
66	N/A	4" ROUND LIGHT, AMBER	1	1
67	N/A	4" ROUND LIGHT, RED	1	1
68	N/A	GROMMET, 4" ROUND LIGHT	2	2

# Parts Manual

## 2.5 Link Frame, 51' & 61', RH

(700-2022A)



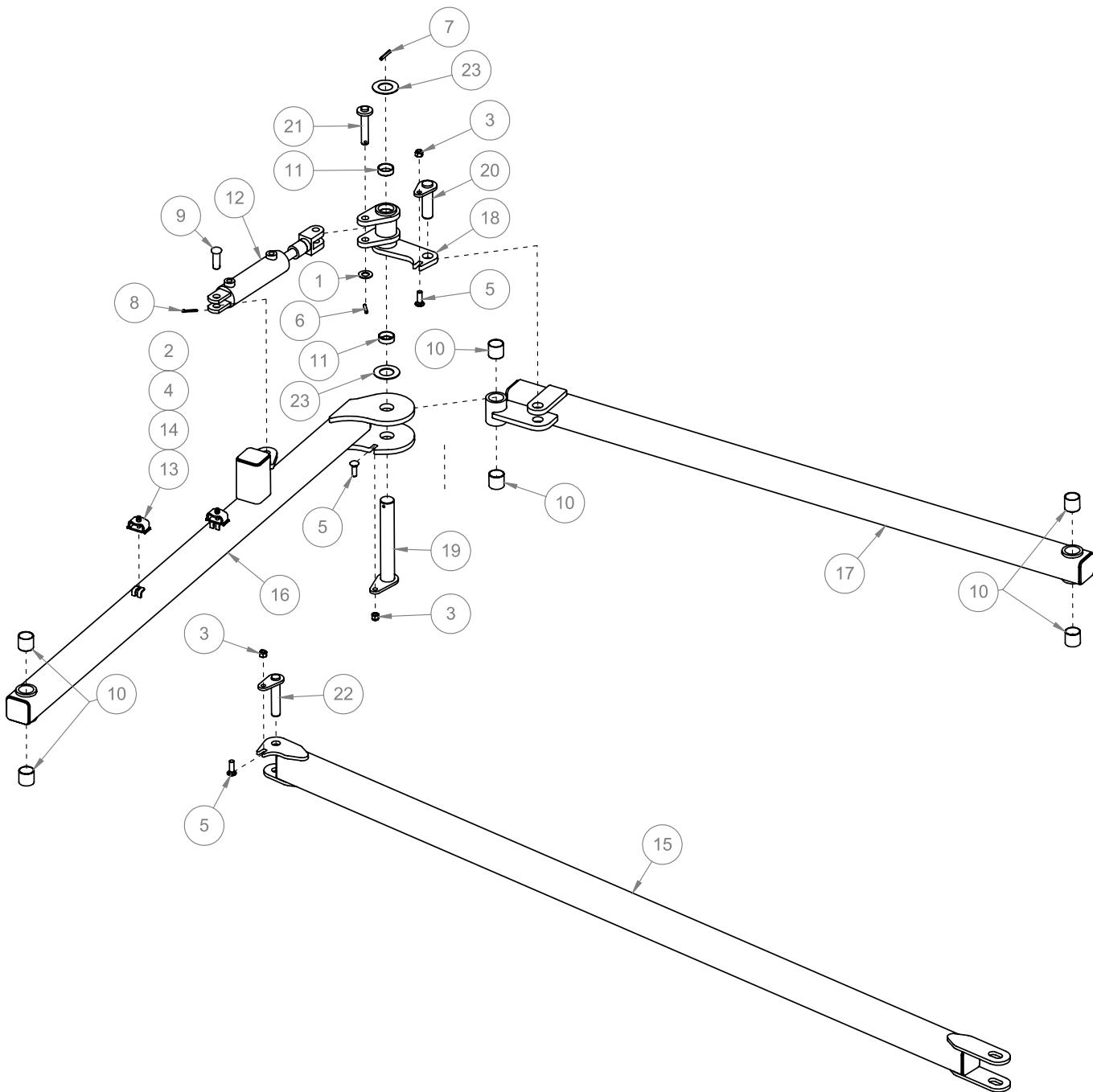
# Parts Manual

## *Link Frame, RH, 51' & 61'*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER, 1-1/4 PLATED USS	1
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	4
3	104-002	WASHER, 3/4" ID x 1-1/4" OD x 18GA	1
4	105-004	WASHER, 3.03" ID x 3.75" OD x .105 THK YZ	5
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	7
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	4
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	4
9	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	4
10	125-056	BOLT, 3/8 X 2 UNC GR5 PLATED	2
11	125-068	BOLT, 3/8 X 5 UNC GR5 PLATED	2
12	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	2
13	125-106	BOLT, 1/2 X 2-1/4 UNC GR5 PLATED	2
14	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	2
15	125-117	BOLT, 1/2 X 5 UNC GR5 PLATED	2
16	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	4
17	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	2
18	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	1
19	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1
20	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	1
21	170-027	ROLL PIN, 3/8 X 2 PLATED	1
22	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1
23	180-008	GREASE FITTING, 1/8 NPT - 90 DEG	1
24	206-098	1.25" HD EXTERNAL SNAP RING	2
25	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
26	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	2
27	212-070	TENSION BUSHING, 3" ID X 3-1/4" OD X 3" LG	2
28	600-1058	HOSE CLAMP, WIDE	1
29	600-1060	LOWER PLATE, WIDE	1
30	600-1062	HOSE CLAMP, NARROW	3
31	600-1064	LOWER PLATE, NARROW	3
32	600-1178	HOSE STRAP	1
33	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	2 - 4
34	700-1031	ROLLER SHIM, VERT. DIST.	2
35	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	0 - 1
36	700-2022	LINK FRAME, RH, SHORT	1
37	700-2031	LINK FRAME - INNER WING PIN, FRONT	1
38	700-2032	LINK FRAME - INNER WING PIN, REAR	1
39	700-2033	HITCH TO FRAME PIN, UPPER	1
40	700-2034	HITCH TO FRAME PIN, LOWER	1
41	700-2035	FIELD LOCK LINK MOUNT PIN	1
42	700-2039	ROLLER MOUNT	1
43	700-2040	HITCH / FRAME RAMP ROLLER AXLE	1
44	700-2041	HITCH / FRAME RAMP ROLLER	1
45	700-2043	RH EQUALIZING LINK PIN	1
46	700-2050	PRIMARY HOSE SADDLE	1
47	700-2053	LIGHT BRACKET	1
48	700-2063	HOSE STRAP SUPPORT, LINK FRAME	1
49	700-2064	HOSE SUPPORT SANDWICH PL	1
50	700-2435	HITCH BUSHING KEEPER	1
51	700-2451	PRIMARY HOSE SADDLE SUPPORT	1
52	700-2453	ORGANIZER KEEPER PL	1
53	N/A	4" ROUND LIGHT, AMBER	1
54	N/A	4" ROUND LIGHT, RED	1
55	N/A	GROMMET, 4" ROUND LIGHT	2

## 2.6 Field Lock and Equalizing Link

(700-2006A, 700-2007A, & 700-2008A)



# Parts Manual

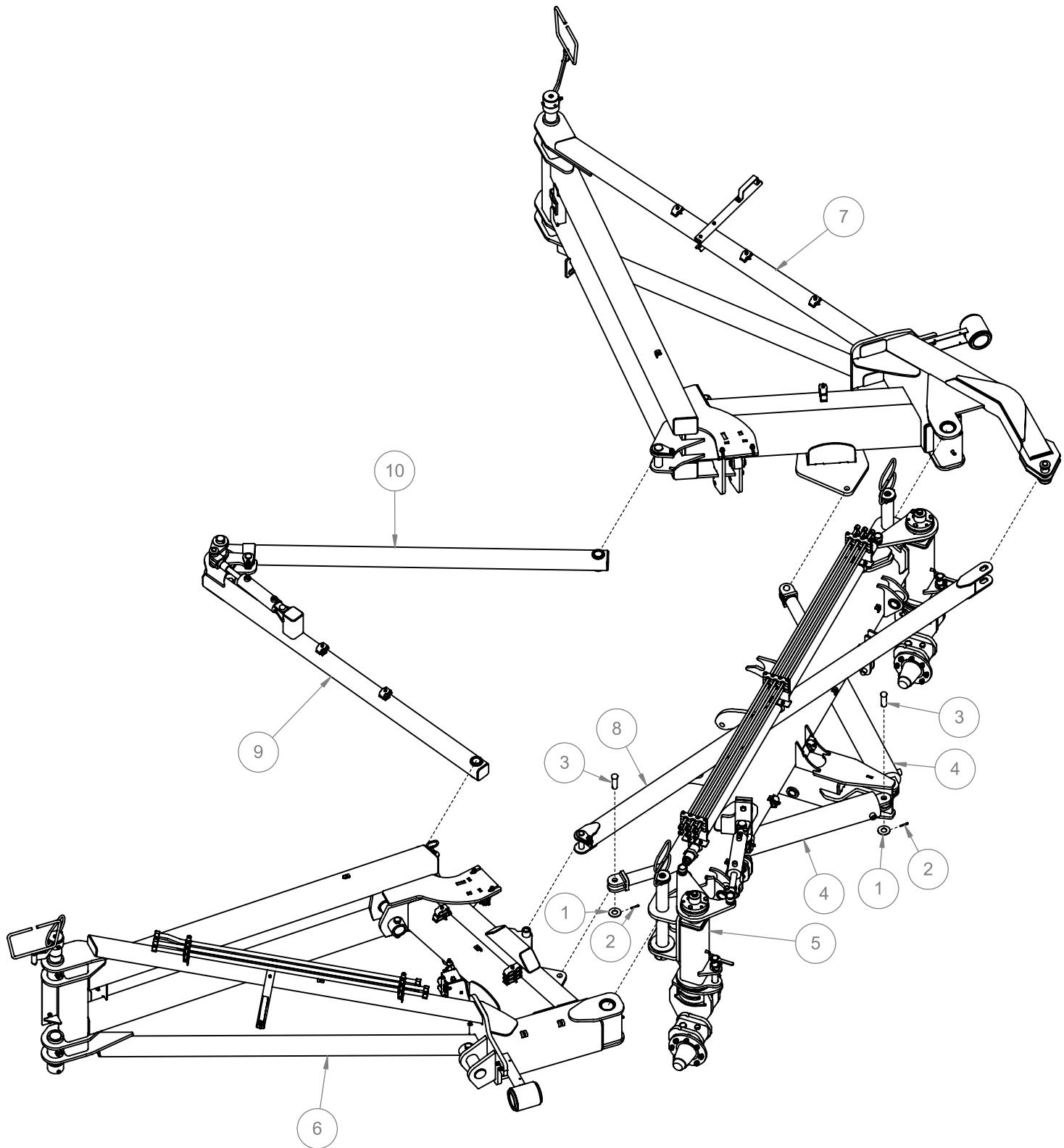
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## *Field Lock and Equalizing Link*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	1
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	3
4	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	2
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3
6	170-027	ROLL PIN, 3/8 X 2 PLATED	1
7	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1
8	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
9	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
10	206-504	BUSHING, igus Q2SI-3235-32, 2" ID x 2-3/16" OD X 2" LG	6
11	206-511	BUSHING, igus TX1SI-3236-12, 2" ID x 2-1/4" OD X 3/4" LG	2
12	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	1
13	600-1062	HOSE CLAMP, NARROW	2
14	600-1064	LOWER PLATE, NARROW	2
15	700-2006	EQUALIZING LINK	1
16	700-2007	FIELD LOCK LINK, LH	1
17	700-2008	FIELD LOCK LINK, RH	1
18	700-2009	FIELD LOCK PIVOT	1
19	700-2036	PIVOT PIN, FIELD LOCK PIVOT PL	1
20	700-2037	RH PIN, FIELD LOCK PIVOT PL	1
21	700-2038	CYL. PIN, FIELD LOCK PIVOT PL	1
22	700-2042	LH EQUALIZING LINK PIN	1
23	700-2054	FIELD LOCK WEAR SPACER	2

# Parts Manual

## 2.7 Assembly Fitments #1: Static Center Connections



# Parts Manual

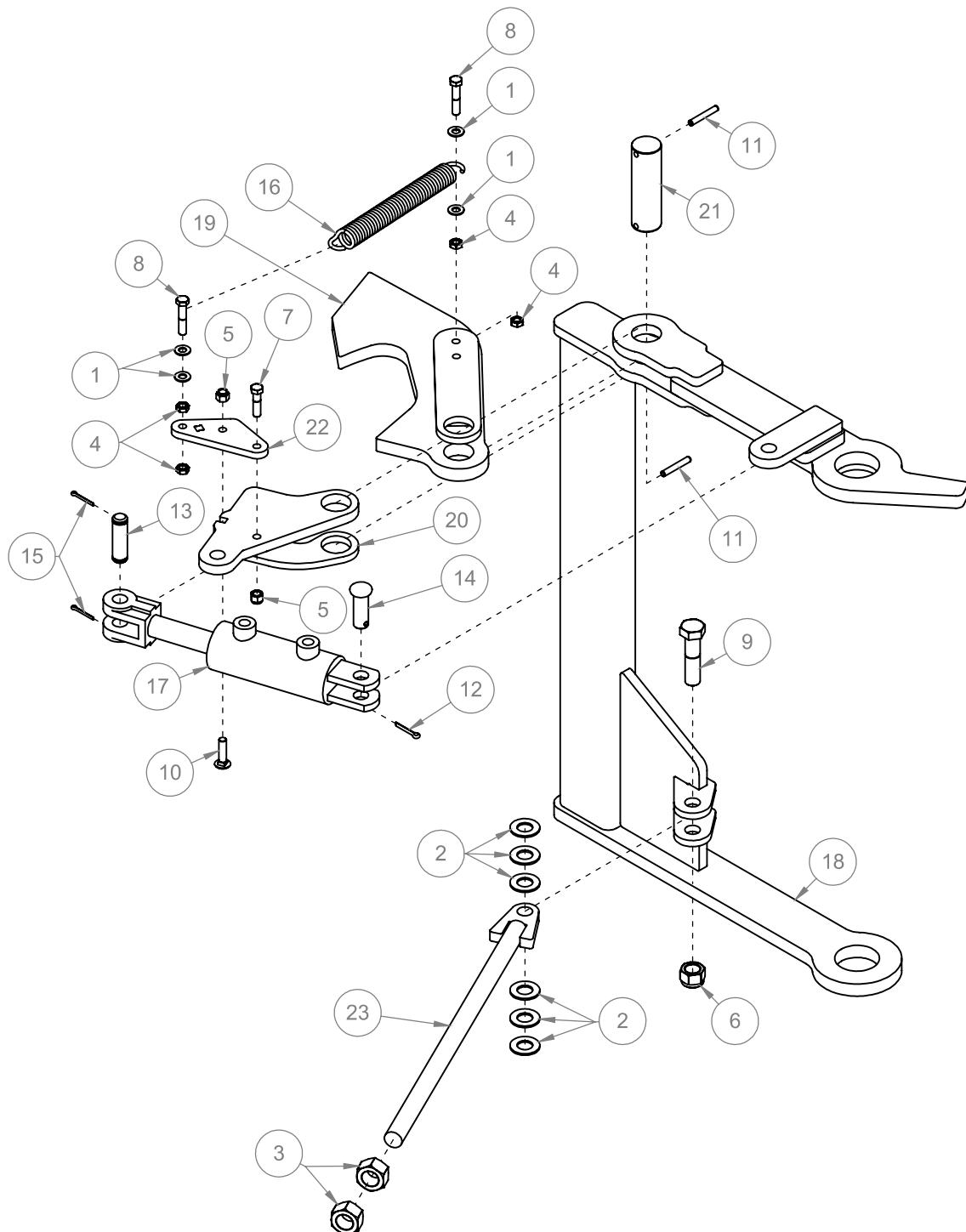
## Assembly Fitments #1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER, 1-1/4 PLATED USS	4
2	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	4
3	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	4
4	212-282	6" BORE x 38.75" STROKE, Ram Part No. R4509244	2
5	700-2000A	CENTER STATIC FRAME ASSY	1
6	700-2003A 700-2021A	LINK FRAME ASSY, LH <i>(71' - SHOWN)</i> LINK FRAME ASSY, LH, SHORT <i>(51' &amp; 61' - NOT SHOWN)</i>	1
7	700-2004A 700-2022A	LINK FRAME ASSY, RH <i>(71' - SHOWN)</i> LINK FRAME ASSY, RH, SHORT <i>(51' &amp; 61' - NOT SHOWN)</i>	1
8	700-2006A	EQUALIZING LINK ASSY	1
9	700-2007A	FIELD LOCK LINK ASSY, LH	1
10	700-2008A	FIELD LOCK LINK ASSY, RH	1

# Parts Manual

## 2.8 Transport Lock, 71'

(700-2404A)



# Parts Manual

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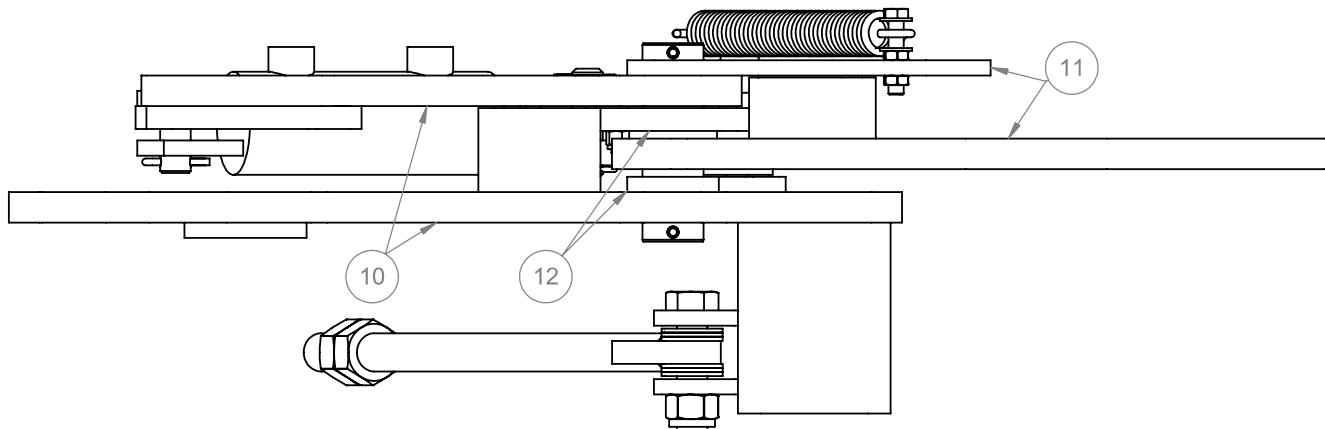
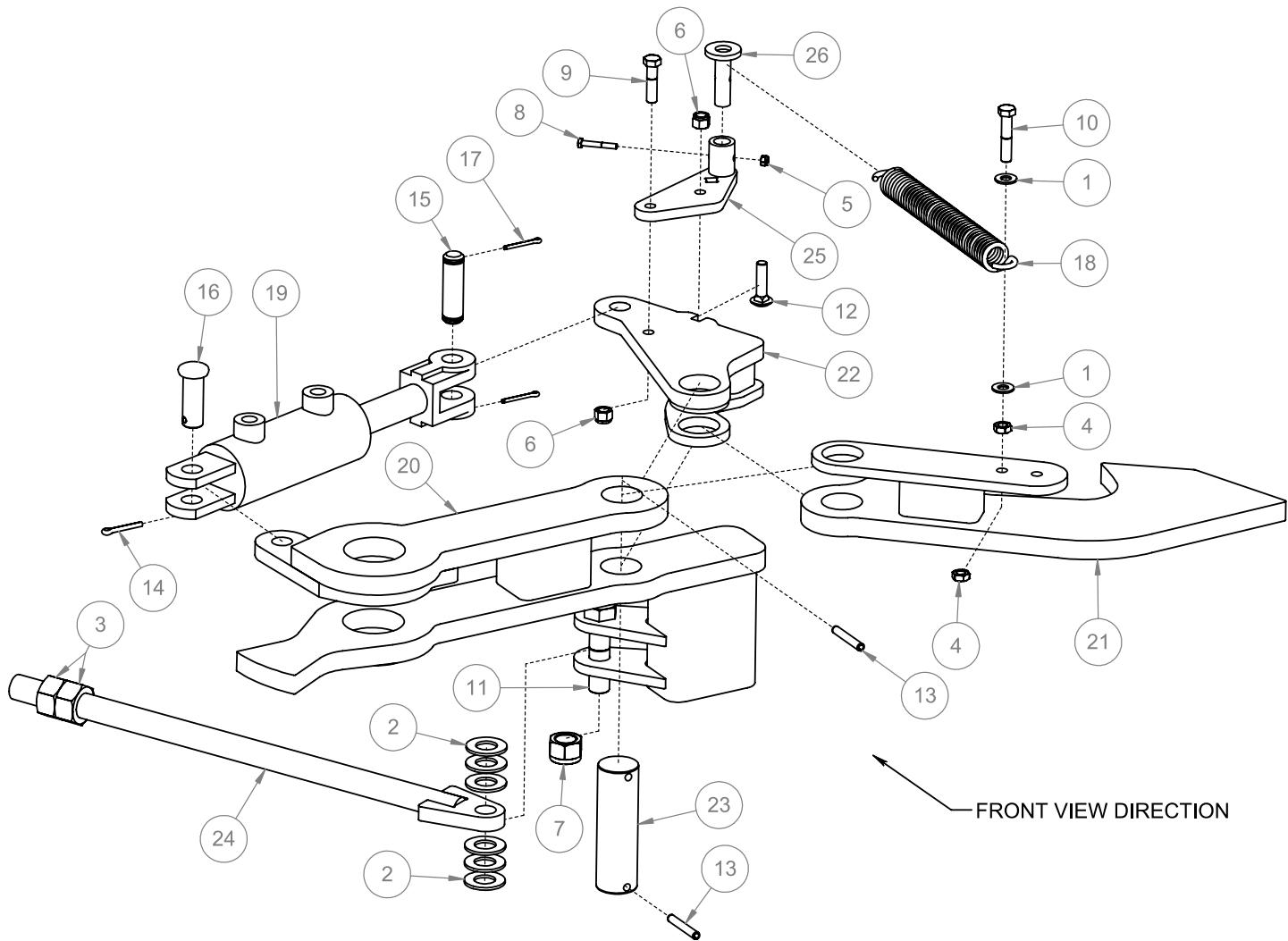
## *Transport Lock, 71'*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-005	WASHER, 1/2 PLATED SAE	4
2	102-010	WASHER, 1 PLATED SAE	6
3	111-037	NUT 1.25 UNF GR 8 PLATED	2
4	112-005	JAM NUT, 1/2 UNC GR 2 PLATED	4
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
6	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	1
7	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	1
8	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	2
9	125-246	BOLT, 1 X 4 UNC GR5 PLATED	1
10	145-105	CARR. BOLT, 1/2 X 2 UNC GR5 PLATED	1
11	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	2
12	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
13	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
14	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
15	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	2
16	212-031	EXTENSION SPRING	1
17	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
18	700-2404	TRANSPORT LOCK MAIN FRAME	1
19	700-2405	TRANSPORT LOCK BLADE	1
20	700-2406	TRANSPORT LOCK RELEASE ARM	1
21	700-2431	TRANS. LOCK BLADE PIN	1
22	700-2432	TRANS. LOCK SPRING PL	1
23	700-2434	TRANSPORT LOCK LIMITER	1

# Parts Manual

## 2.9 Transport Lock, 51' & 61'

(700-2416A)



FRONT VIEW, ASSEMBLED

# Parts Manual

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## *Transport Lock, 51' & 61'*

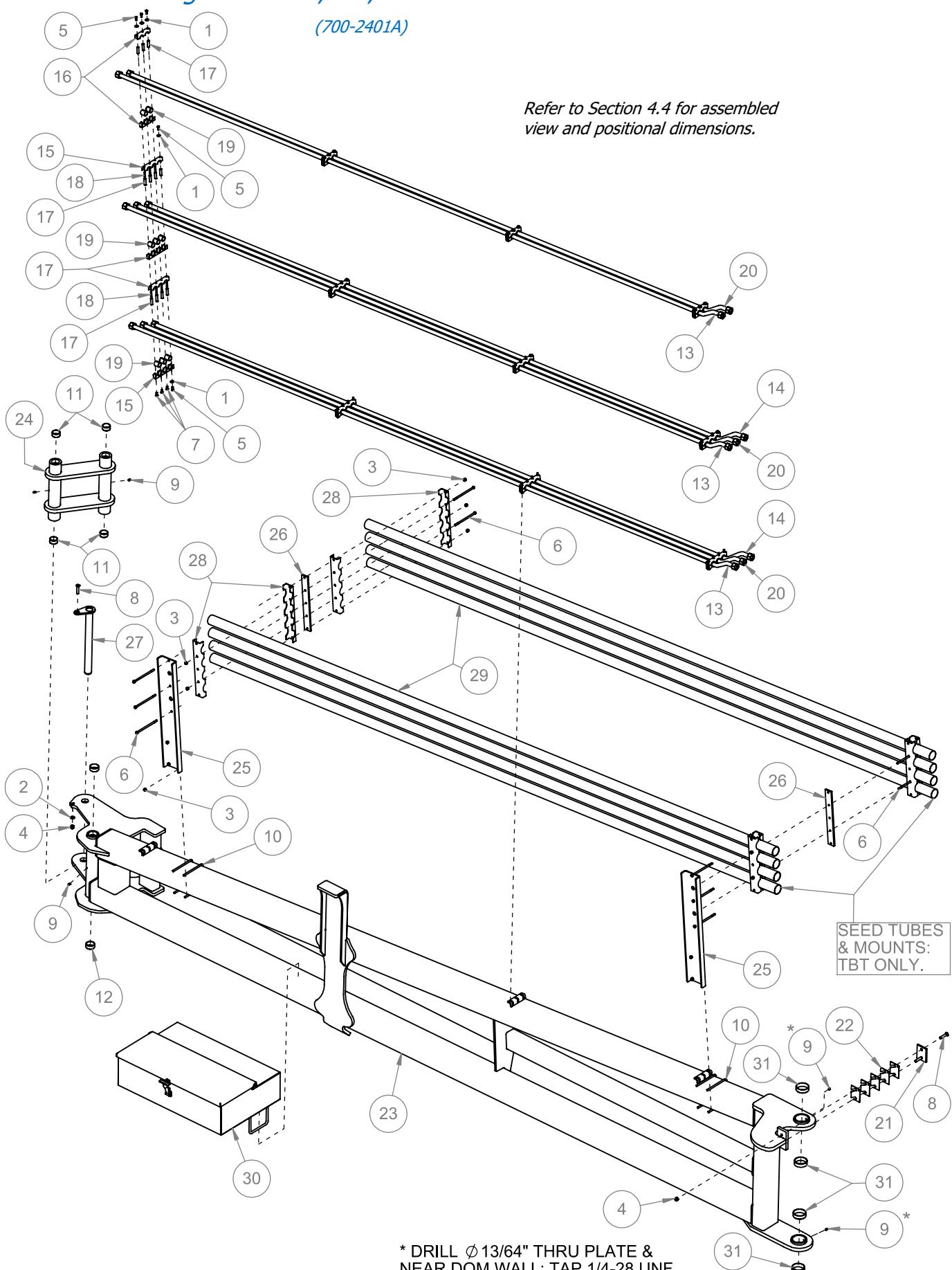
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-005	WASHER, 1/2 PLATED SAE	2
2	102-010	WASHER, 1 PLATED SAE	6
3	111-037	NUT 1.25 UNF GR 8 PLATED	2
4	112-005	JAM NUT, 1/2 UNC GR 2 PLATED	2
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
7	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	1
8	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
9	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	1
10	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	1
11	125-246	BOLT, 1 X 4 UNC GR5 PLATED	1
12	145-105	CARR. BOLT, 1/2 X 2 UNC GR5 PLATED	1
13	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	2
14	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
15	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
16	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
17	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	2
18	212-031	EXTENSION SPRING	1
19	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
20	700-2416	TRANSPORT LOCK FRAME, SHORT	1
21	700-2417	TRANSPORT LOCK BLADE, SHORT	1
22	700-2418	TRANS LOCK RELEASE ARM, SHORT	1
23	700-2431	TRANS. LOCK BLADE PIN	1
24	700-2434	TRANSPORT LOCK LIMITER	1
25	700-2459	TRANS. LOCK SPRING MOUNT	1
26	700-2460	SPRING MOUNT PIN	1

# Parts Manual

## 2.10 Folding Hitch Arm, 71', LH

(700-2401A)

Refer to Section 4.4 for assembled view and positional dimensions.



# Parts Manual

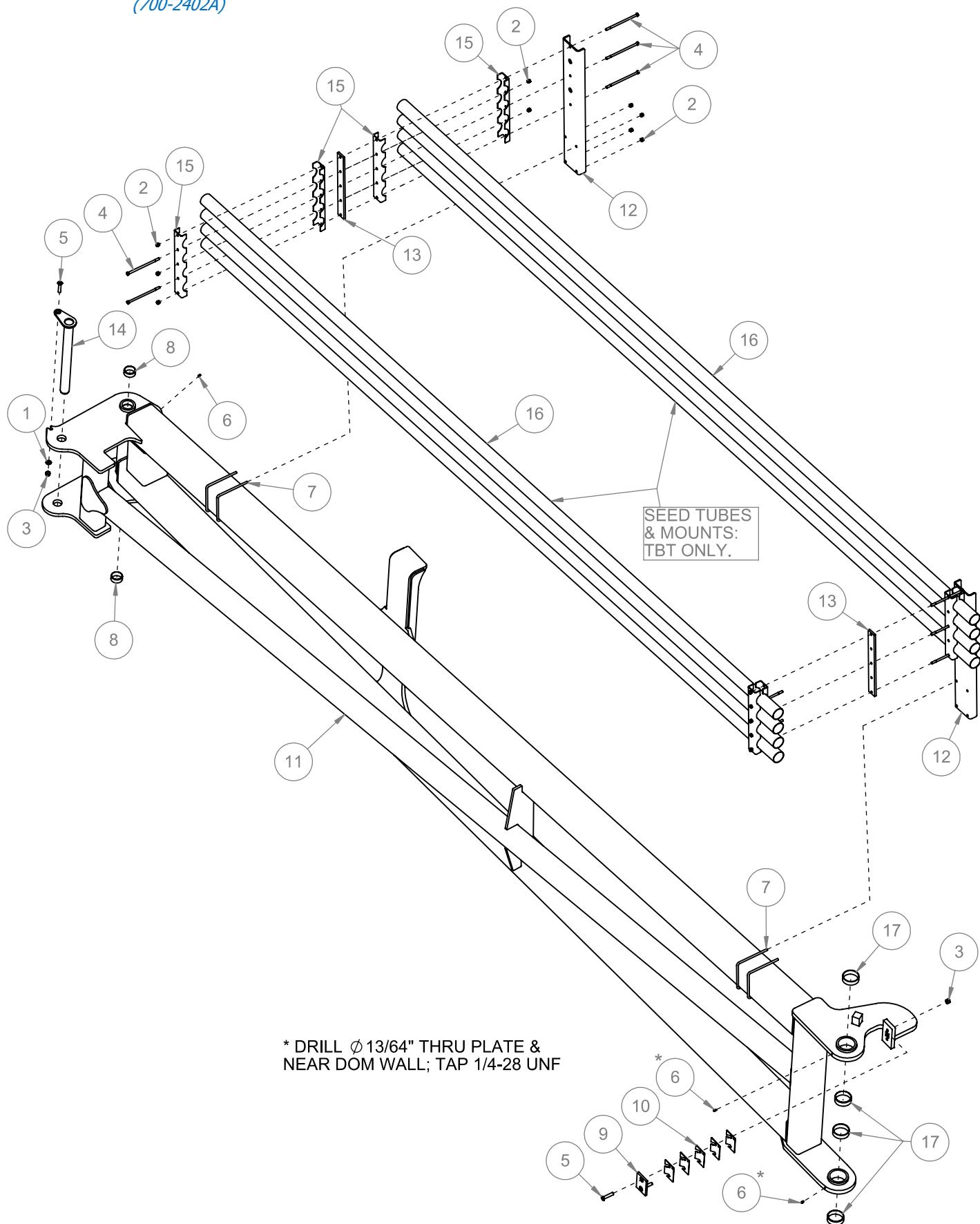
## *Folding Hitch Arm, LH, 71'*

ITEM NO.	PART NO.	DESCRIPTION	TBT QTY	TBH QTY
1	101-002	WASHER, 5/16 PLATED ASME WIDE	12	20
2	102-005	WASHER, 1/2 PLATED SAE	1	1
3	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	18	-
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
5	125-026	BOLT, 5/16 X 3/4 UNC GR5 PLATED	12	20
6	125-074	BOLT, 3/8 X 7.5 UNC GR5 PLATED	10	-
7	145-026	CARR. BOLT, 5/16 X 3/4 UNC GR5 PLATED	12	12
8	165-063	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 2-1/2" LG	3	3
9	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	5	5
10	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	4	-
11	212-069	TENSION BUSHING, 1-3/4" ID X 2" OD X 1" LG	4	4
12	212-252	TENSION BUSHING, 2.25" OD x 2.0" ID x 1" LG	2	2
13	212-461	SF71 FRONT HITCH HYD TUBE A	2	3
14	212-463	SF71 FRONT HITCH HYD TUBE C	-	2
15	212-464	Multi Clamp Unit, 2" C-to-C, 3 Holes, Hydro-Craft P/N: HC-16-3-4 *(Pair)*	-	8
16	212-465	Multi Clamp Unit, 2" C-to-C, 2 Holes, Hydro-Craft P/N: HC-16-2-3 *(Pair)*	8	4
17	212-467	Multi Clamp Stacking Nut, HC-16 Series, Hydro-Craft P/N: N-16	24	44
18	212-468	Multi Clamp Thread Adapter, HC-16 Series, Hydro-Craft P/N: T-10	12	28
19	212-469	Split Bushing, 1" Tube, HC-16 Series, Hydro-Craft P/N: G-16-16	16	32
20	212-491	SF71 FRONT HITCH HYD TUBE D	2	3
21	700-2044	HITCH/FIELD LOCK WEAR PL	1	1
22	700-2045	HITCH/FIELD LOCK WEAR PL SHIM, 14 GA.	5	5
23	700-2401	FOLDING HITCH ARM, LH	1	1
24	700-2403	HITCH LINK	1	1
25	700-2407	SEED TUBE SUPPORT	2	-
26	700-2408	SEED TUBE CLAMP SPACER	2	-
27	700-2426	HITCH ARM LINK PIN	1	1
28	700-2429	FOUR PIPE CLAMP, EVEN SPACING	8	-
29	700-2430	SEED TUBE, 2-1/2", TBT	8	-
30	700-2445	SF TOOLBOX KIT	1	1
31	700-2450	212-253 CUT IN HALF	4	4

# Parts Manual

## 2.11 Folding Hitch Arm, 71', RH

(700-2402A)



# Parts Manual

## *Folding Hitch Arm, RH, 71'*

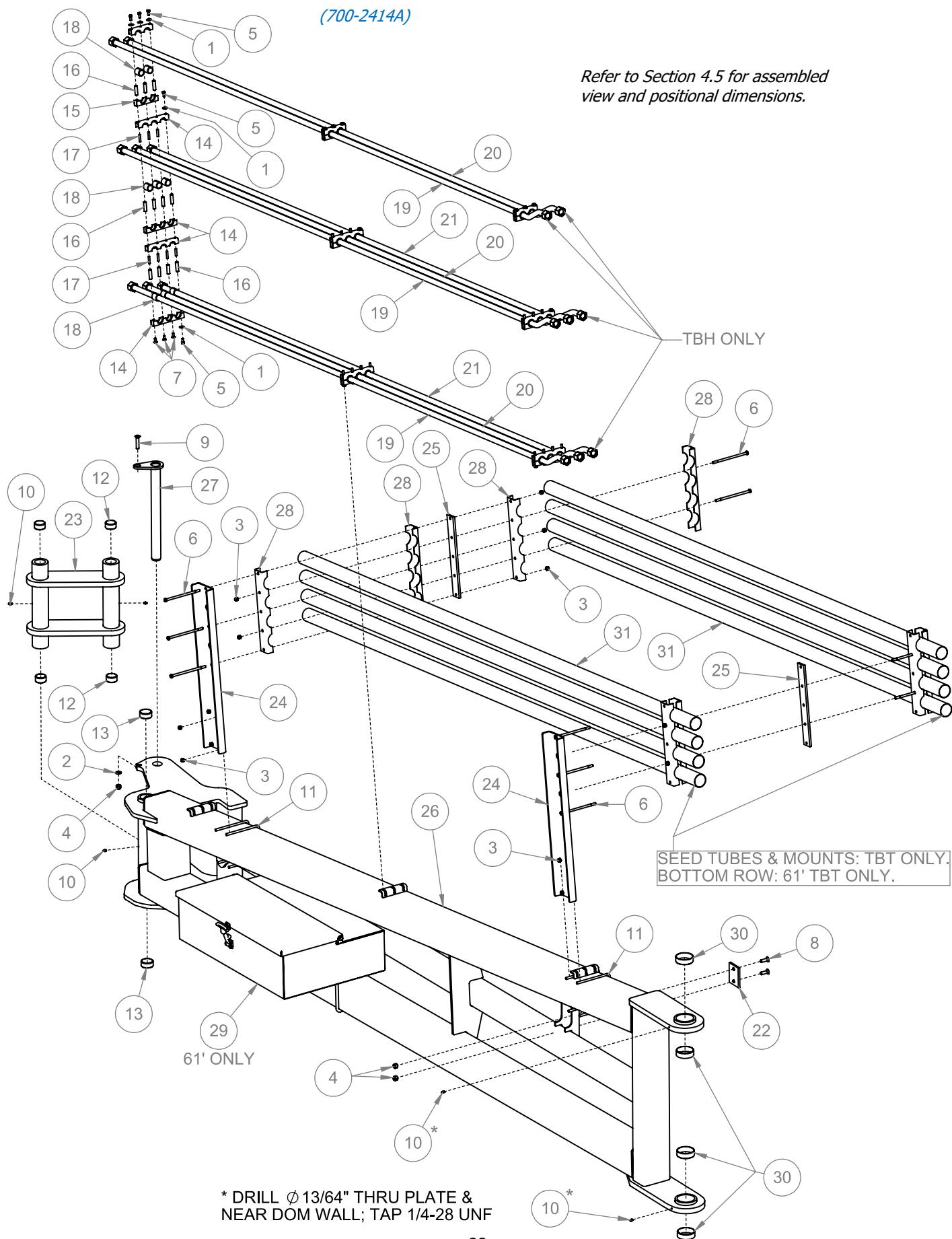
ITEM NO.	PART NUMBER	DESCRIPTION	TBT QTY	TBH QTY
1	102-005	WASHER, 1/2 PLATED SAE	1	1
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	18	-
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
4	125-074	BOLT, 3/8 X 7.5 UNC GR5 PLATED	10	-
5	165-063	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 2-1/2" LG	3	3
6	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	3	3
7	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	4	-
8	212-252	TENSION BUSHING, 2.25" OD x 2.0" ID x 1" LG	2	2
9	700-2044	HITCH/FIELD LOCK WEAR PL	1	1
10	700-2045	HITCH/FIELD LOCK WEAR PL SHIM, 14 GA.	5	5
11	700-2402	FOLDING HITCH ARM, RH	1	1
12	700-2407	SEED TUBE SUPPORT	2	-
13	700-2408	SEED TUBE CLAMP SPACER	2	-
14	700-2426	HITCH ARM LINK PIN	1	1
15	700-2429	FOUR PIPE CLAMP, EVEN SPACING	8	-
16	700-2430	SEED TUBE, 2-1/2", TBT	8	-
17	700-2450	212-253 CUT IN HALF	4	4

# Parts Manual

## 2.12 Folding Hitch Arm, 51' & 61', LH

(700-2414A)

Refer to Section 4.5 for assembled view and positional dimensions.



# Parts Manual

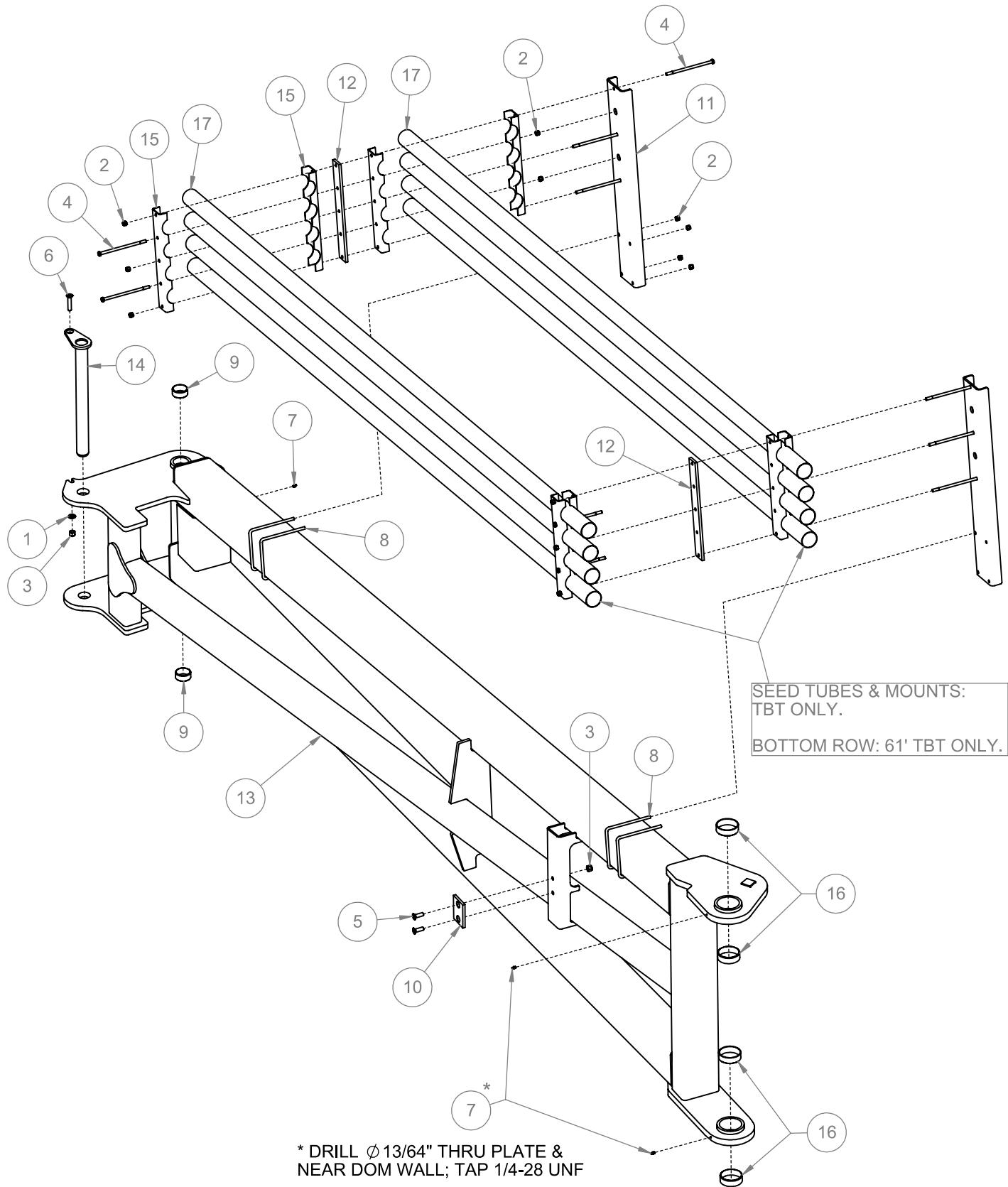
## *Folding Hitch Arm, LH, 51' & 61'*

ITEM NO.	PART NO.	DESCRIPTION	51' & 61' TBT QTY	51' & 61' TBH QTY
1	101-002	WASHER, 5/16 PLATED ASME WIDE	9	15
2	102-005	WASHER, 1/2 PLATED SAE	1	1
3	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	18	-
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
5	125-026	BOLT, 5/16 X 3/4 UNC GR5 PLATED	9	15
6	125-074	BOLT, 3/8 X 7.5 UNC GR5 PLATED	10	-
7	145-026	CARR. BOLT, 5/16 X 3/4 UNC GR5 PLATED	9	9
8	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	2	2
9	165-063	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 2-1/2" LG	1	1
10	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	5	5
11	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	4	-
12	212-069	TENSION BUSHING, 1-3/4" ID X 2" OD X 1" LG	4	4
13	212-252	TENSION BUSHING, 2.25" OD x 2.0" ID x 1" LG	2	2
14	212-464	Multi Clamp Unit, 2" C-to-C, 3 Holes, Hydro-Craft P/N: HC-16-3-4 *(Pair)*	-	6
15	212-465	Multi Clamp Unit, 2" C-to-C, 2 Holes, Hydro-Craft P/N: HC-16-2-3 *(Pair)*	6	3
16	212-467	Multi Clamp Stacking Nut, HC-16 Series, Hydro-Craft P/N: N-16	18	33
17	212-468	Multi Clamp Thread Adapter, HC-16 Series, Hydro-Craft P/N: T-10	9	21
18	212-469	Split Bushing, 1" Tube, HC-16 Series, Hydro-Craft P/N: G-16-16	12	24
19	212-485	SF51 FRONT HITCH HYD TUBE A	2	3
20	212-486	SF51 FRONT HITCH HYD TUBE B	2	3
21	212-487	SF51 FRONT HITCH HYD TUBE C	-	2
22	700-2044	HITCH/FIELD LOCK WEAR PL	1	1
23	700-2403	HITCH LINK	1	1
24	700-2407	SEED TUBE SUPPORT	2	-
25	700-2408	SEED TUBE CLAMP SPACER	2	-
26	700-2414	FOLDING HITCH ARM, LH, SHORT	1	1
27	700-2426	HITCH ARM LINK PIN	1	1
28	700-2429	FOUR PIPE CLAMP, EVEN SPACING	8	-
29	700-2445	SF TOOLBOX KIT (61' ONLY)	0 (51') 1 (61')	0 (51') 1 (61')
30	700-2450	212-253 CUT IN HALF	4	4
31	700-2461	SEED TUBE, 2-1/2", TBT, SHORT	6 (51') 8 (61')	-

# Parts Manual

## 2.13 Folding Hitch Arm, 51' & 61', RH

(700-2415A)



# Parts Manual

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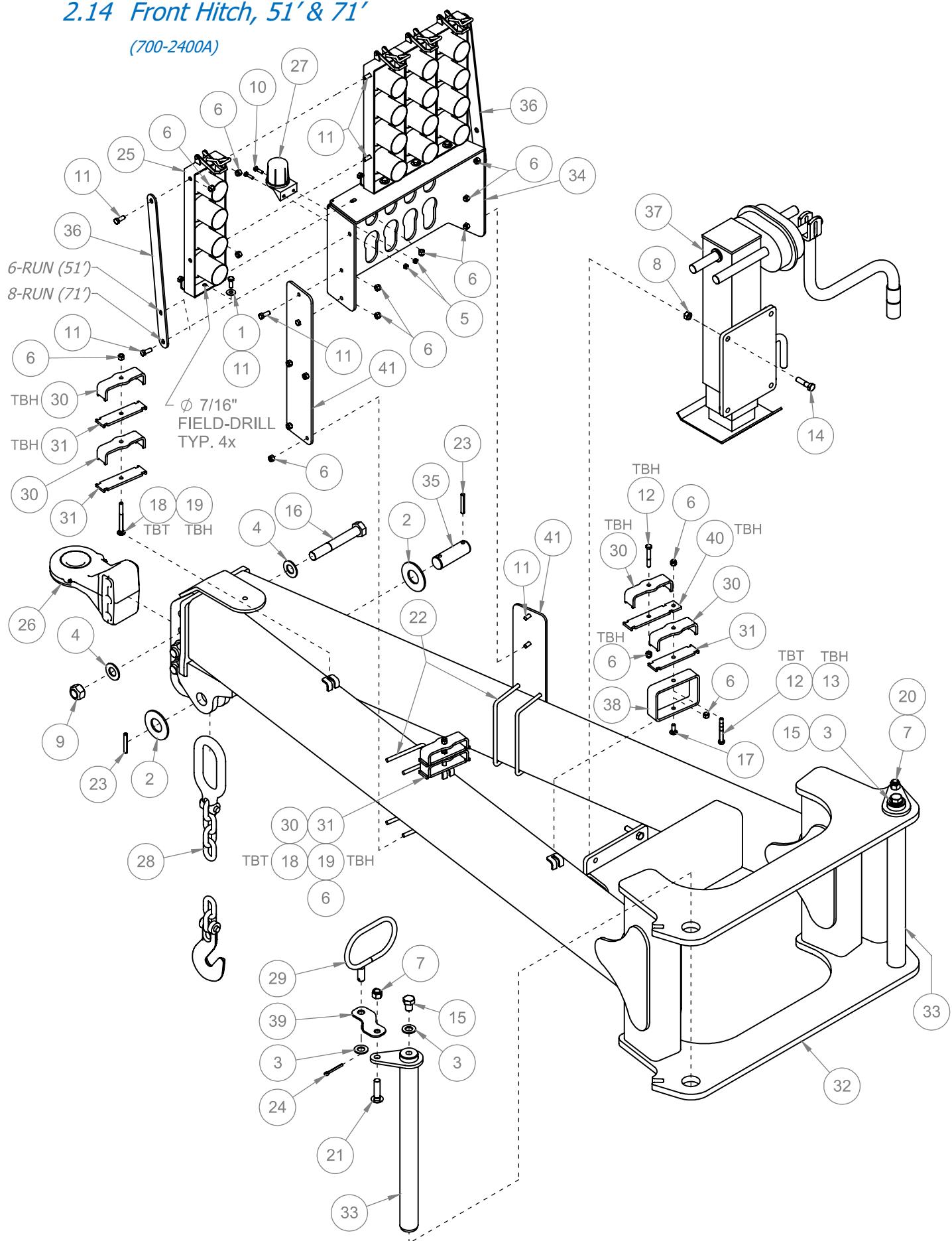
## *Folding Hitch Arm, RH, 51' & 61'*

ITEM NO.	PART NUMBER	DESCRIPTION	51' & 61' TBT QTY	51' & 61' TBH QTY
1	102-005	WASHER, 1/2 PLATED SAE	1	1
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	18	-
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
4	125-074	BOLT, 3/8 X 7.5 UNC GR5 PLATED	10	-
5	165-009	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 1-1/2" LG	2	2
6	165-063	Socket Countersunk Flat Head Cap Screw, 1/2-13 UNC, 2-1/2" LG	1	1
7	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	3	3
8	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	4	-
9	212-252	TENSION BUSHING, 2.25" OD x 2.0" ID x 1" LG	2	2
10	700-2044	HITCH/FIELD LOCK WEAR PL	1	1
11	700-2407	SEED TUBE SUPPORT	2	-
12	700-2408	SEED TUBE CLAMP SPACER	2	-
13	700-2415	FOLDING HITCH ARM, RH, SHORT	1	1
14	700-2426	HITCH ARM LINK PIN	1	1
15	700-2429	FOUR PIPE CLAMP, EVEN SPACING	8	-
16	700-2450	212-253 CUT IN HALF	4	4
17	700-2461	SEED TUBE, 2-1/2", TBT, SHORT	6 (51') 8 (61')	-

# Parts Manual

## 2.14 Front Hitch, 51' & 71'

(700-2400A)



# Parts Manual

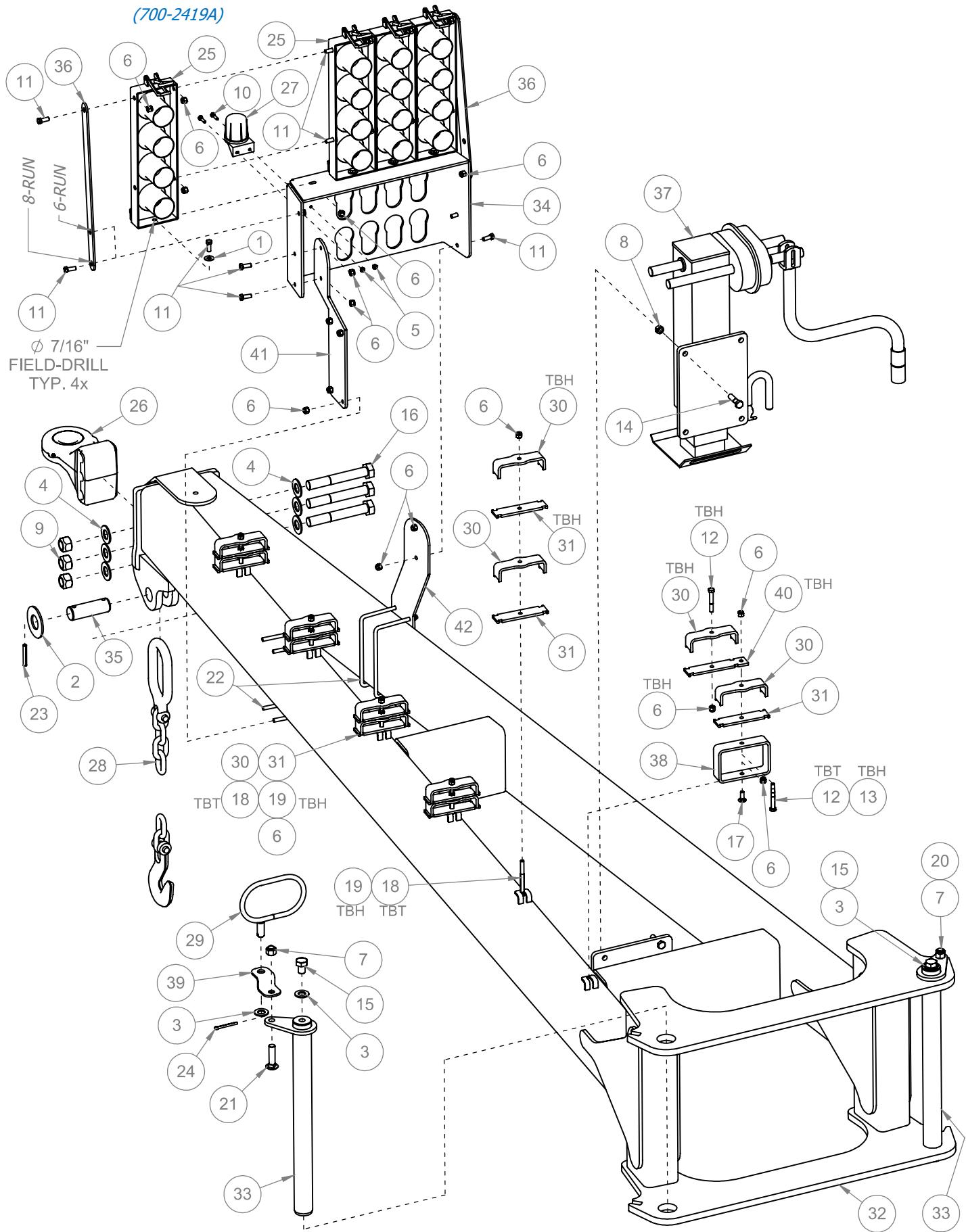
## *Front Hitch, 51' & 71'*

ITEM NO.	PART NUMBER	DESCRIPTION	TBT QTY	TBH QTY
1	101-003	WASHER, 3/8 PLATED ASME WIDE	4	-
2	101-014	WASHER, 1-1/2 PLATED USS	2	2
3	102-008	WASHER, 3/4 PLATED SAE	3	3
4	102-010	WASHER, 1 PLATED SAE	6	6
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	2	-
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	30	5
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	2	2
8	118-005	STOVER NUT, 1/2 UNC GR 2 PLATED	4	4
9	119-010	STOVER NUT, 1 UNF GR 2 PLATED	3	3
10	125-002	BOLT, 1/4 X 1 UNC GR5 PLATED	2	-
11	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	18	-
12	125-058	BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	1	1
13	125-060	BOLT, 3/8 X 3 UNC GR5 PLATED	-	1
14	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	4	4
15	125-176	BOLT, 3/4 X 1 UNC GR5 PLATED	2	2
16	140-477	BOLT, 1 X 7 UNF GR9 PLATED	3	3
17	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PLATED	1	1
18	145-059	CARR. BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	2	-
19	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	-	2
20	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1	1
21	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	1
22	165-134	U-BOLT, 3/8 X 8 W X 5 H, UNC GR5 PLATED	4	-
23	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	2	2
24	170-080	COTTER PIN, 1/4 X 2 PLATED	1	1
25	212-034 212-035	SS Quick Conn 4 x 2.5", Agri Stainless P/N QCSS42.5 ( <i>SHOWN - 8-RUN, 71'</i> ) SS Quick Conn 3 x 2.5", Agri Stainless P/N QCSS32.5 ( <i>NOT SHOWN - 6-RUN, 51'</i> )	4	-
26	212-172	POWER PIN, CAT 4 C/W 2"	1	1
27	212-270	ELECTRICAL PLUG HOLDER	1	-
28	212-351	CHAIN, SAFETY, 80,000 lb, 5/8" x 66" lg	1	1
29	500-1204	HOSE ORGANIZER LOOP	1	1
30	600-1066	HOSE CLAMP, 5" WIDE	3	6
31	600-1068	LOWER PLATE, 5" WIDE	3	5
32	700-2400	STATIC TOW FRAME	1	1
33	700-2425	HITCH ARM FRONT PIN	2	2
34	700-2427	TBT PRIMARY AIR PACK COUPLER MOUNT	1	-
35	700-2437	SAFETY CHAIN PIN	1	1
36	700-2438	SUPPORT, TBT PRIMARY AIR PACK COUPLER	2	-
37	700-2455	WELDED JACK ASSY	1	1
38	700-2456	HOSE CLAMP RISER	1	1
39	700-2457	HOSE LOOP MOUNT	1	1
40	700-2458	LOWER PLATE, 5" WIDE, OFFSET	-	1
41	700-2462	AIR PACK COUPLER MOUNT LEG, STD	2	-

# Parts Manual

## 2.15 Front Hitch, 61' & 81'

(700-2419A)



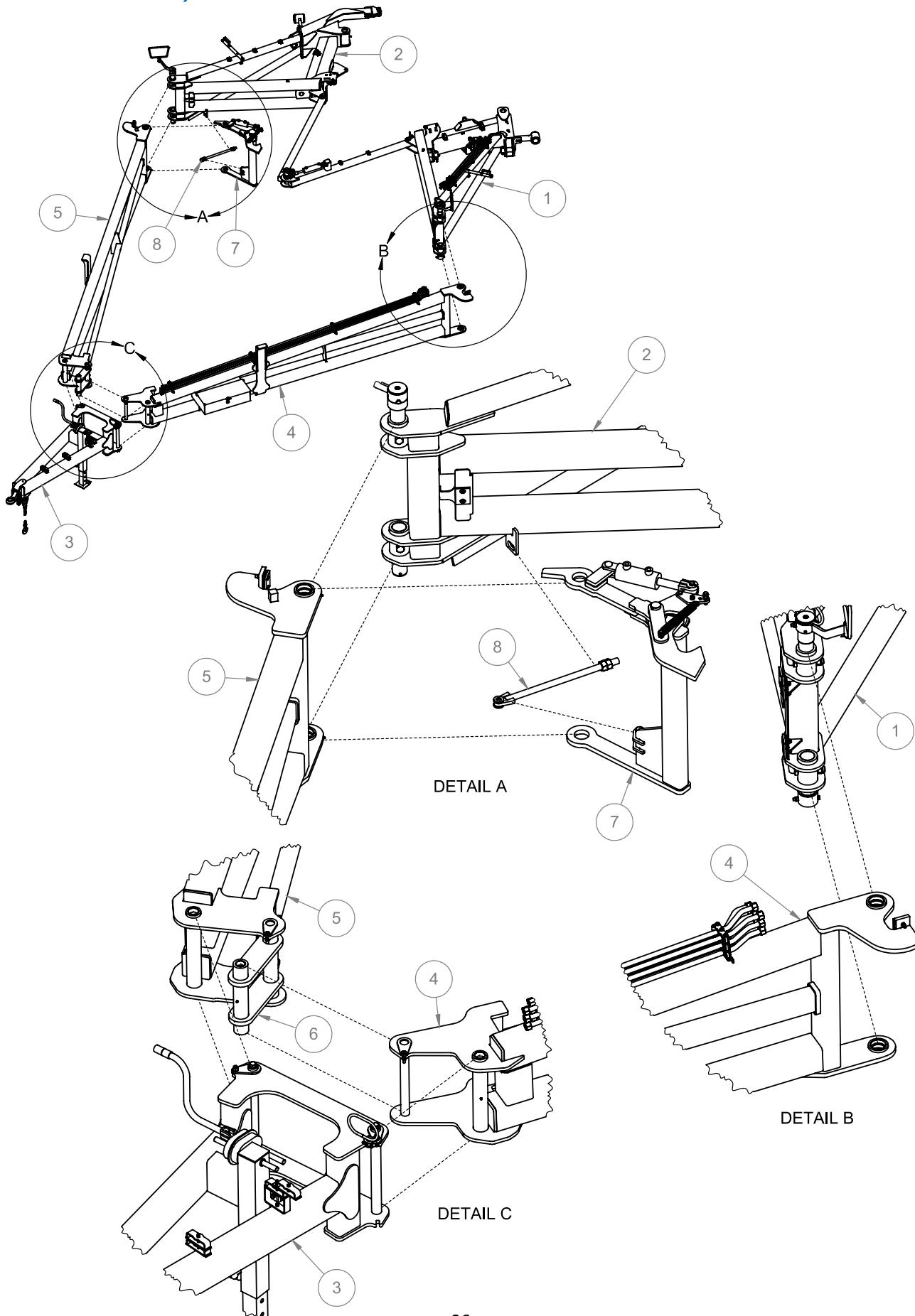
# Parts Manual

## *Front Hitch, 61' & 81'*

ITEM NO.	PART NUMBER	DESCRIPTION	TBT QTY	TBH QTY
1	101-003	WASHER, 3/8 PLATED ASME WIDE	4	-
2	101-014	WASHER, 1-1/2 PLATED USS	2	2
3	102-008	WASHER, 3/4 PLATED SAE	3	3
4	102-010	WASHER, 1 PLATED SAE	6	6
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	2	-
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	33	8
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	2	2
8	118-005	STOVER NUT, 1/2 UNC GR 2 PLATED	4	4
9	119-010	STOVER NUT, 1 UNF GR 2 PLATED	3	3
10	125-002	BOLT, 1/4 X 1 UNC GR5 PLATED	2	-
11	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	18	-
12	125-058	BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	1	1
13	125-060	BOLT, 3/8 X 3 UNC GR5 PLATED	-	1
14	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	4	4
15	125-176	BOLT, 3/4 X 1 UNC GR5 PLATED	2	2
16	140-477	BOLT, 1 X 7 UNF GR9 PLATED	3	3
17	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PLATED	1	1
18	145-059	CARR. BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	5	-
19	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	-	5
20	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1	1
21	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	1
22	165-134	U-BOLT, 3/8 X 8 W X 5 H, UNC GR5 PLATED	4	-
23	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	2	2
24	170-080	COTTER PIN, 1/4 X 2 PLATED	1	1
25	212-034 212-035	SS Quick Conn 4 x 2.5", Agri Stainless P/N QCSS42.5 ( <i>SHOWN - 8-RUN, 61' &amp; 81'</i> ) SS Quick Conn 3 x 2.5", Agri Stainless P/N QCSS32.5 ( <i>NOT SHOWN - 6-RUN</i> )	4	-
26	212-172	POWER PIN, CAT 4 C/W 2"	1	1
27	212-270	ELECTRICAL PLUG HOLDER	1	-
28	212-351	CHAIN, SAFETY, 80,000 lb, 5/8" x 66" lg	1	1
29	500-1204	HOSE ORGANIZER LOOP	1	1
30	600-1066	HOSE CLAMP, 5" WIDE	6	12
31	600-1068	LOWER PLATE, 5" WIDE	6	11
32	700-2419	FRONT HITCH STATIC A-FRAME, LONG	1	1
33	700-2425	HITCH ARM FRONT PIN	2	2
34	700-2427	TBT PRIMARY AIR PACK COUPLER MOUNT	1	-
35	700-2437	SAFETY CHAIN PIN	1	1
36	700-2438	SUPPORT, TBT PRIMARY AIR PACK COUPLER	2	-
37	700-2455	WELDED JACK ASSY	1	1
38	700-2456	HOSE CLAMP RISER	1	1
39	700-2457	HOSE LOOP MOUNT	1	1
40	700-2458	LOWER PLATE, 5" WIDE, OFFSET	-	1
41	700-2463	AIR PACK COUPLER MOUNT LEG, LH	1	-
42	700-2464	AIR PACK COUPLER MOUNT LEG, RH	1	-

# Parts Manual

## 2.16 Assembly Fitments #2: 71' & 81' Hitch

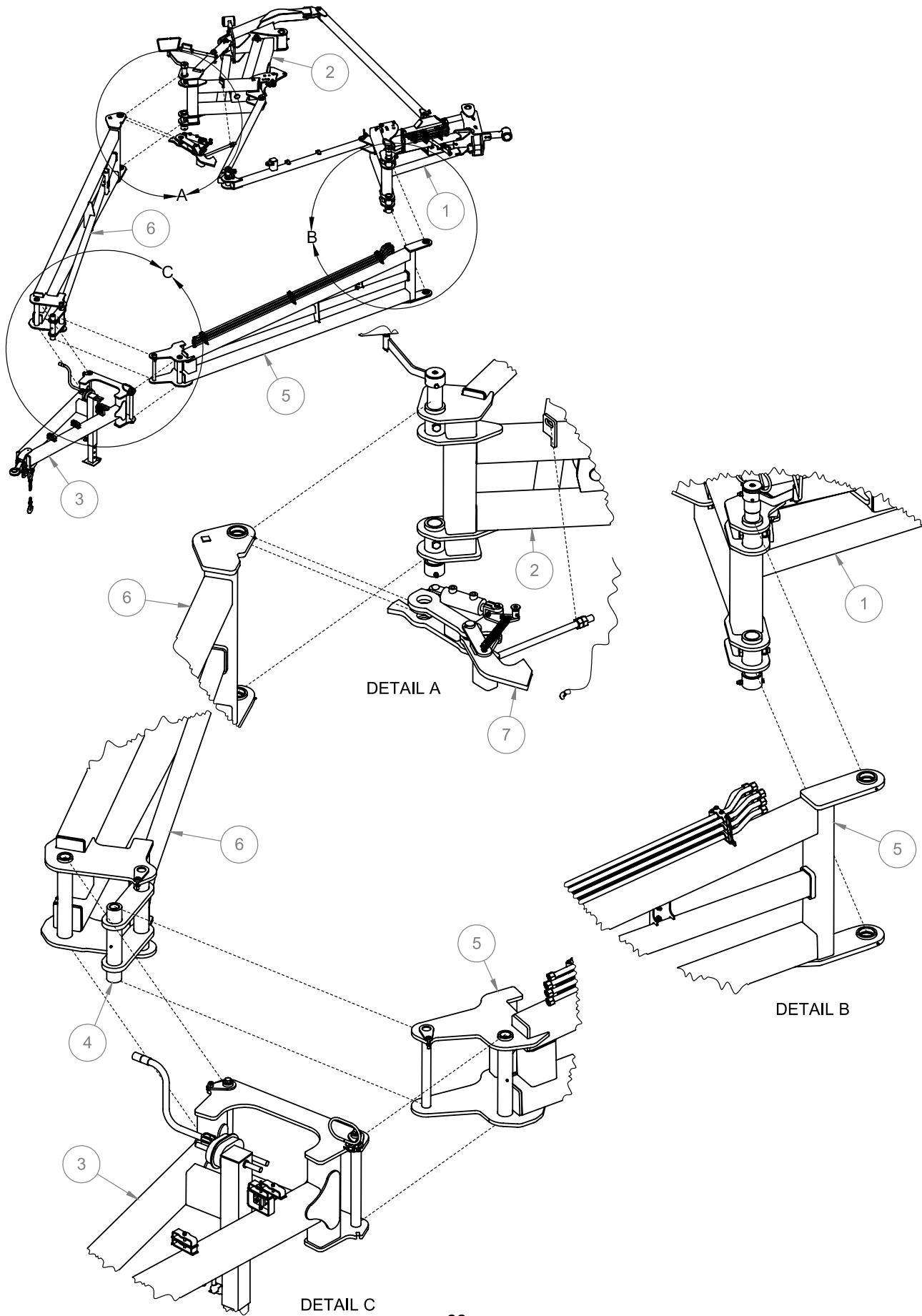


# Parts Manual

Assembly Fitments #2: 71' & 81' Hitch			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	700-2003A	LINK FRAME ASSY, LH	1
2	700-2004A	LINK FRAME ASSY, RH	1
3	700-2400A 700-2419A	FRONT HITCH STATIC A-FRAME ASSY (71' - SHOWN) FRONT HITCH STATIC LONG A-FRAME ASSY (81' - NOT SHOWN)	1
4	700-2401A	FOLDING HITCH ARM ASSY, LH	1
5	700-2402A	FOLDING HITCH ARM ASSY, RH	1
6	700-2403A	HITCH LINK ASSY	1
7	700-2404A	TRANSPORT LOCK ASSY	1
8	700-2434A	TRANSPORT LOCK LIMITER ASSY	1

# Parts Manual

## 2.17 Assembly Fitments #2: 51' & 61' Hitch



# Parts Manual

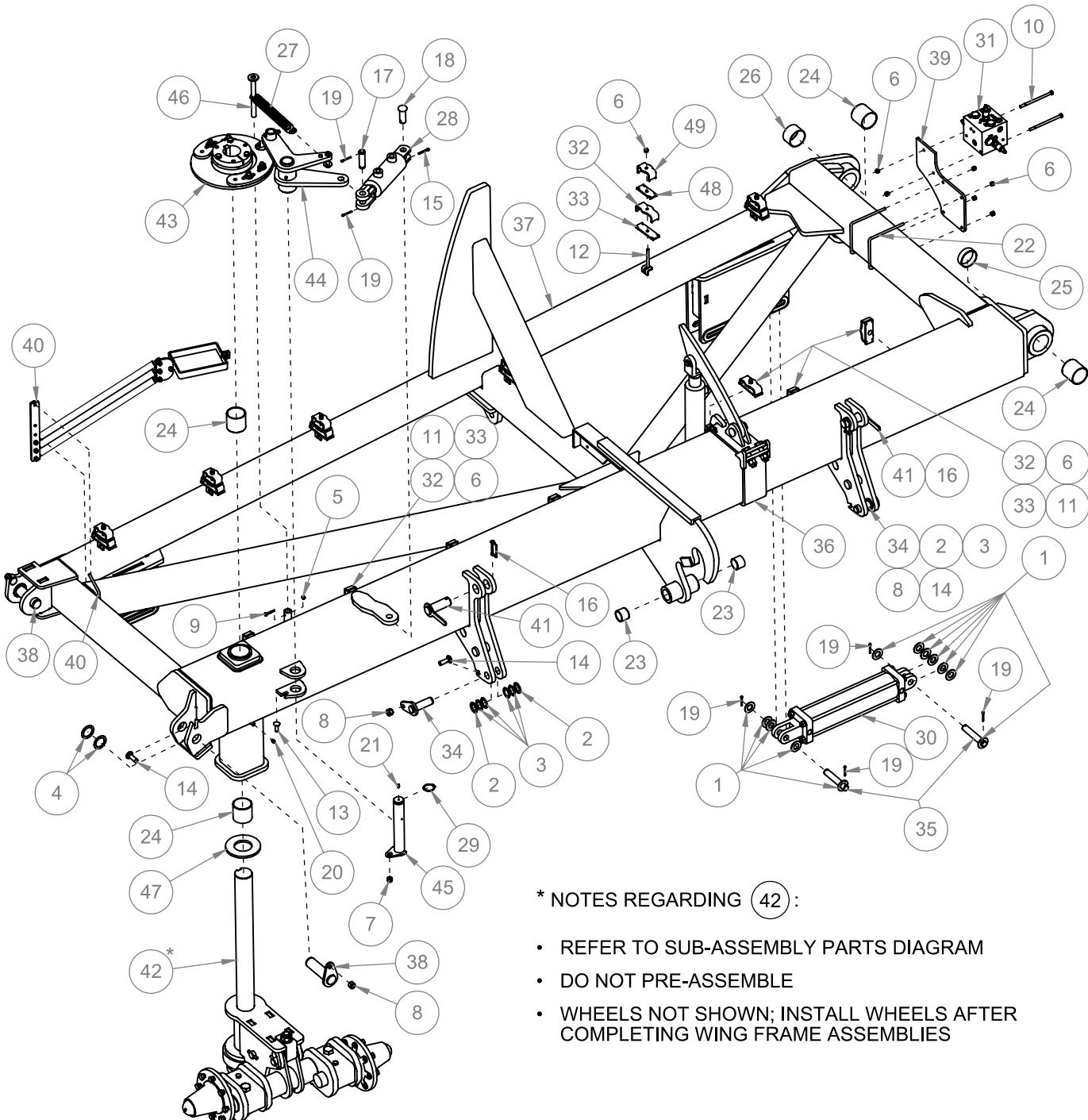
Assembly Fitments #2: 51' & 61' Hitch			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	700-2021A	LINK FRAME ASSY, LH, SHORT	1
2	700-2022A	LINK FRAME ASSY, RH, SHORT	1
3	700-2400A 700-2419A	FRONT HITCH STATIC A-FRAME ASSY (51'- SHOWN) FRONT HITCH STATIC LONG A-FRAME ASSY (61'- NOT SHOWN)	1
4	700-2403A	HITCH LINK ASSY	1
5	700-2414A	FOLDING HITCH ARM ASSY, LH, SHORT	1
6	700-2415A	FOLDING HITCH ARM ASSY, RH, SHORT	1
7	700-2416A	TRANSPORT LOCK ASSY, SHORT	1

# Parts Manual

## 2.18 Wing Frame, Inner 71', LH

(700-1200A)

*Refer to Section 4.6 for assembled view and positional dimensions.*



\* NOTES REGARDING (42) :

- REFER TO SUB-ASSEMBLY PARTS DIAGRAM
- DO NOT PRE-ASSEMBLE
- WHEELS NOT SHOWN; INSTALL WHEELS AFTER COMPLETING WING FRAME ASSEMBLIES

# Parts Manual

## *Wing Frame, Inner 71', LH*

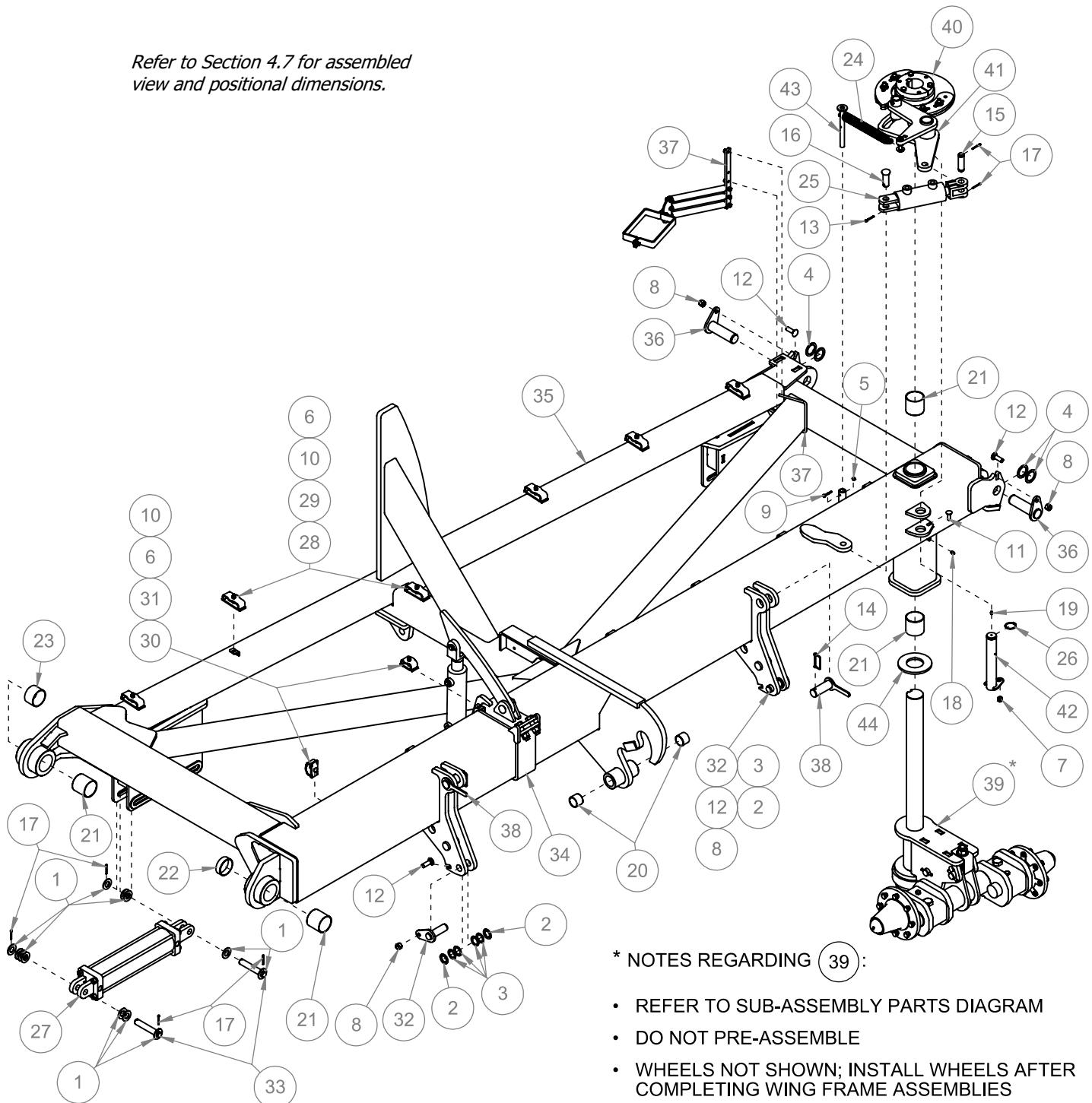
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	19
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
9	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
10	125-073	BOLT, 3/8 X 6-1/2 UNC GR5 PLATED	2
11	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	7
12	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	6
13	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
14	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
15	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
16	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	2
17	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
18	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
19	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
20	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
21	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
22	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	2
23	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
24	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
25	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1" LG	1
26	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2" LG	1
27	212-031	EXTENSION SPRING	1
28	212-166	3" BORE X 4" STROKE, Ram Part No. R4508600	1
29	212-256	EXTERNAL SNAP RING, 1-3/4"	1
30	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
31	212-289	SEQUENCE MANIFOLD	1
32	600-1058	HOSE CLAMP, WIDE	13
33	600-1060	LOWER PLATE, WIDE	13
34	700-1028	TORQUE TUBE PIN	2
35	700-1029	PIN, WT. TRAN. SLOTTED PL	2
36	700-1034A	SLOW-CLOSE LEVER ASSY	1
37	700-1200	INNER WING, LH	1
38	700-1220	INNER - OUTER WING PIN	2
39	700-1221	SEQUENCE MANIFOLD MOUNT	1
40	700-1228A	AIR HOSE GUIDE SPRING ASSY (6-HOSE, LH WING CONFIG.)	1
41	700-1449	WING LOCK PIN	2
42	700-1853A	WING FRONT CASTER ASSEMBLY	1
43	700-1856A	WING FRONT CASTER LOCK, LH ASSY	1
44	700-1860A	CAM FOLLOWER ARM, LH ASSY	1
45	700-1861	CAM LEVER PIVOT PIN	1
46	700-1865	SPRING MOUNT PIN	1
47	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1
48	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	6
49	700-2422	(2) x 3/4" HOSE CLAMP	6

# Parts Manual

## 2.19 Wing Frame, Inner 71', RH

(700-1201A)

Refer to Section 4.7 for assembled view and positional dimensions.



\* NOTES REGARDING (39):

- REFER TO SUB-ASSEMBLY PARTS DIAGRAM
- DO NOT PRE-ASSEMBLE
- WHEELS NOT SHOWN; INSTALL WHEELS AFTER COMPLETING WING FRAME ASSEMBLIES

# Parts Manual

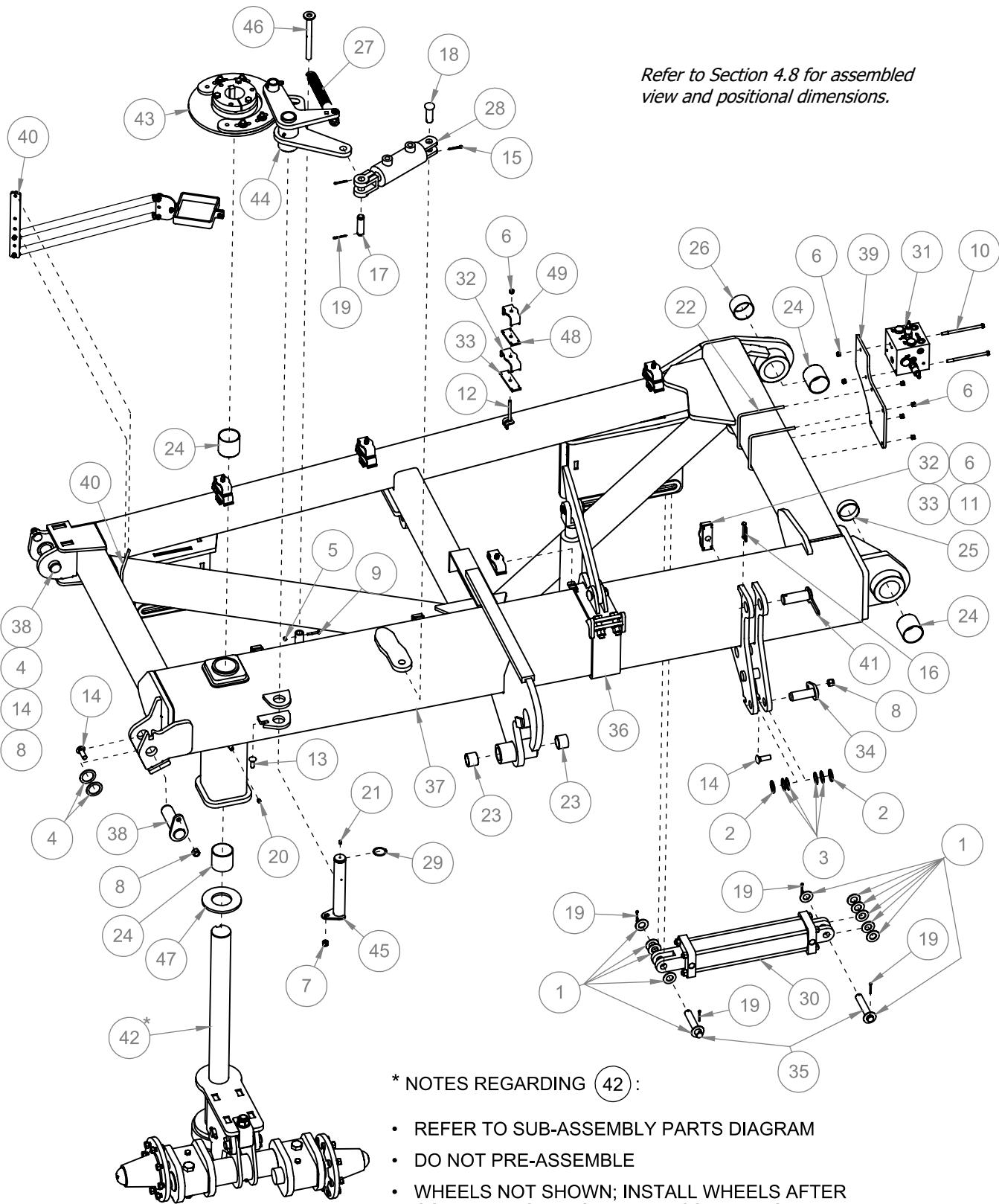
## *Wing Frame, Inner 71', RH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	13
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	4
9	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
10	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	13
11	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
12	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	4
13	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
14	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	2
15	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
16	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
17	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
18	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
19	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
20	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
21	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
22	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1"	1
23	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2"	1
24	212-031	EXTENSION SPRING	1
25	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
26	212-256	EXTERNAL SNAP RING, 1-3/4"	1
27	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
28	600-1058	HOSE CLAMP, WIDE	6
29	600-1060	LOWER PLATE, WIDE	6
30	600-1062	HOSE CLAMP, NARROW	7
31	600-1064	LOWER PLATE, NARROW	7
32	700-1028	TORQUE TUBE PIN	2
33	700-1029	PIN, WT. TRAN. SLOTTED PL	2
34	700-1034A	SLOW-CLOSE LEVER ASSY	1
35	700-1201	INNER WING, RH	1
36	700-1220	INNER - OUTER WING PIN	2
37	700-1228A	AIR HOSE GUIDE SPRING ASSY (6-HOSE, RH WING CONFIG.)	1
38	700-1449	WING LOCK PIN	2
39	700-1853A	WING FRONT CASTER ASSEMBLY	1
40	700-1855A	WING FRONT CASTER LOCK, RH ASSY	1
41	700-1859A	CAM FOLLOWER ARM, RH ASSY	1
42	700-1861	CAM LEVER PIVOT PIN	1
43	700-1865	SPRING MOUNT PIN	1
44	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1

# Parts Manual

## 2.20 Wing Frame, Inner 61', LH

(700-1203A)



# Parts Manual

## *Wing Frame, Inner 61', LH*

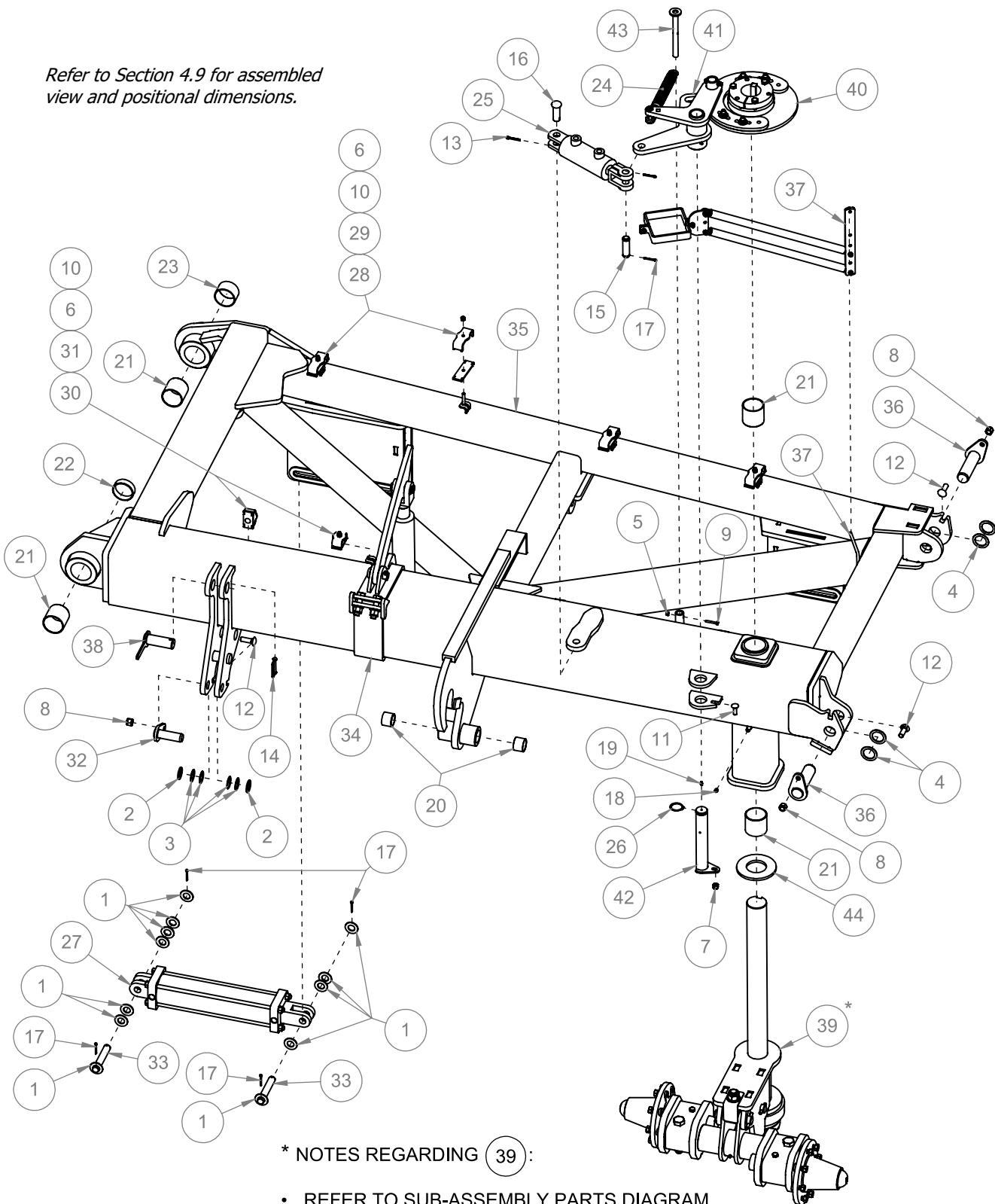
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	14
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3
9	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
10	125-073	BOLT, 3/8 X 6-1/2 UNC GR5 PLATED	2
11	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	4
12	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	4
13	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
14	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3
15	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
16	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	1
17	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
18	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
19	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
20	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
21	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
22	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	2
23	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
24	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
25	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1"	1
26	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2"	1
27	212-031	EXTENSION SPRING	1
28	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
29	212-256	EXTERNAL SNAP RING, 1-3/4"	1
30	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
31	212-289	SEQUENCE MANIFOLD	1
32	600-1058	HOSE CLAMP, WIDE	8
33	600-1060	LOWER PLATE, WIDE	8
34	700-1028	TORQUE TUBE PIN	1
35	700-1029	PIN, WT. TRAN. SLOTTED PL	2
36	700-1034A	SLOW-CLOSE LEVER ASSY	1
37	700-1203	INNER 61' WING, LH	1
38	700-1220	INNER - OUTER WING PIN	2
39	700-1221	SEQUENCE MANIFOLD MOUNT	1
40	700-1228A	AIR HOSE GUIDE SPRING ASSY (4-HOSE, LH WING CONFIG.)	1
41	700-1449	WING LOCK PIN	1
42	700-1853A	WING FRONT CASTER WHEELS ASSY	1
43	700-1856A	WING FRONT CASTER LOCK, LH ASSY	1
44	700-1860A	CAM FOLLOWER ARM, LH ASSY	1
45	700-1861	CAM LEVER PIVOT PIN	1
46	700-1865	SPRING MOUNT PIN	1
47	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1
48	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	4
49	700-2422	(2) x 3/4" HOSE CLAMP	4

# Parts Manual

## 2.21 Wing Frame, Inner 61', RH

(700-1204A)

Refer to Section 4.9 for assembled view and positional dimensions.



\* NOTES REGARDING (39):

- REFER TO SUB-ASSEMBLY PARTS DIAGRAM
- DO NOT PRE-ASSEMBLE
- WHEELS NOT SHOWN; INSTALL WHEELS AFTER COMPLETING WING FRAME ASSEMBLIES

# Parts Manual

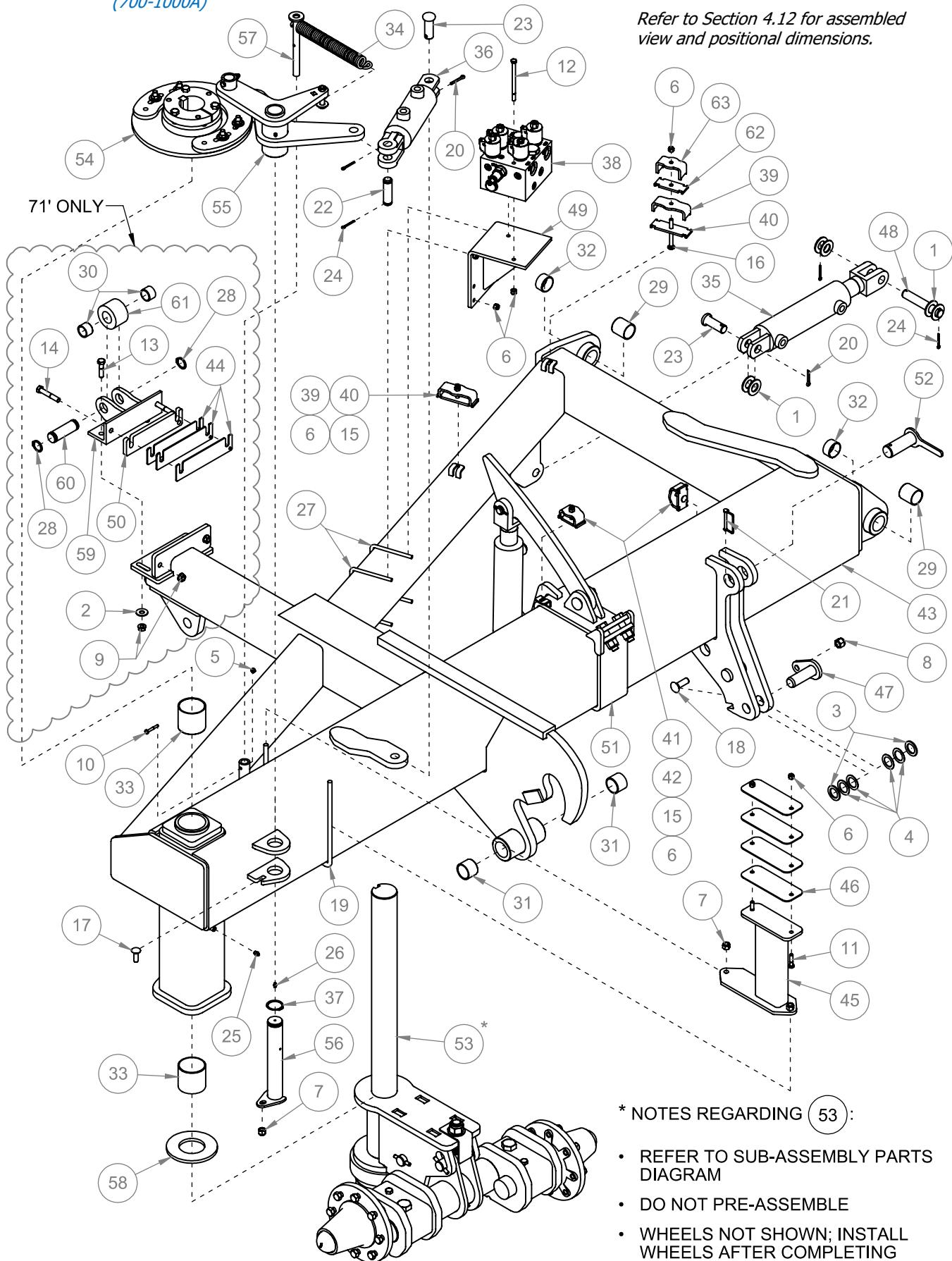
## *Wing Frame, Inner 61', RH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
4	105-002	WASHER, 1.812" ID x 2.5" OD x .109 THK YZ	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	8
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3
9	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
10	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	8
11	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
12	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3
13	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
14	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	1
15	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
16	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
17	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
18	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
19	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
20	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
21	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
22	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1"	1
23	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2"	1
24	212-031	EXTENSION SPRING	1
25	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
26	212-256	EXTERNAL SNAP RING, 1-3/4"	1
27	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
28	600-1058	HOSE CLAMP, WIDE	4
29	600-1060	LOWER PLATE, WIDE	4
30	600-1062	HOSE CLAMP, NARROW	4
31	600-1064	LOWER PLATE, NARROW	4
32	700-1028	TORQUE TUBE PIN	1
33	700-1029	PIN, WT. TRAN. SLOTTED PL	2
34	700-1034A	SLOW-CLOSE LEVER ASSY	1
35	700-1204	INNER 61' WING, RH	1
36	700-1220	INNER - OUTER WING PIN	2
37	700-1228A	AIR HOSE GUIDE SPRING ASSY (4-HOSE, RH WING CONFIG.)	1
38	700-1449	WING LOCK PIN	1
39	700-1853A	WING FRONT CASTER WHEELS ASSY	1
40	700-1855A	WING FRONT CASTER LOCK, RH ASSY	1
41	700-1859A	CAM FOLLOWER ARM, RH ASSY	1
42	700-1861	CAM LEVER PIVOT PIN	1
43	700-1865	SPRING MOUNT PIN	1
44	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1

# Parts Manual

## 2.22 Wing Frame, Outer 61' & 71', LH

(700-1000A)



# Parts Manual

## *Wing Frame, Outer 61' & 71', LH*

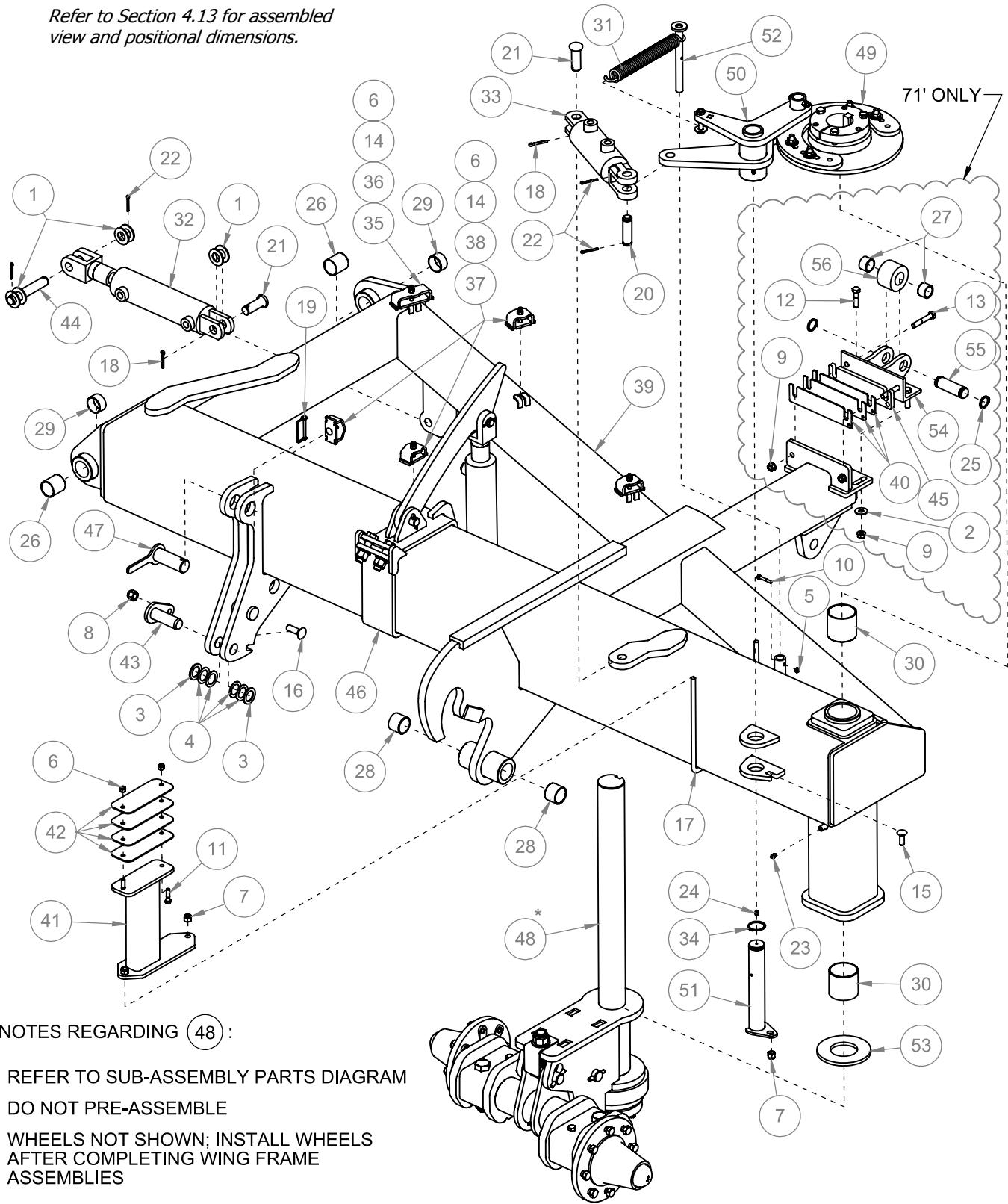
ITEM NO.	PART NO.	DESCRIPTION	61' QTY	71' QTY
1	102-010	WASHER, 1 PLATED SAE	7	7
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	-	2
3	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2	2
4	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	12	12
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	1
9	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	-	4
10	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1	1
11	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	2	2
12	125-070	BOLT, 3/8 X 5-1/2 UNC GR5 PLATED	2	2
13	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	-	2
14	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	-	2
15	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	3	3
16	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	1	1
17	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1	1
18	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1	1
19	165-132	U-BOLT, 1/2 X 10-1/8 W X 12 H, UNC GR5 PLATED	1	1
20	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	2	2
21	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	1	1
22	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1	1
23	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2	2
24	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4	4
25	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1	1
26	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1	1
27	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PLATED	2	2
28	206-098	1.25" HD EXTERNAL SNAP RING	-	2
29	206-503	BUSHING, igus Q2SI-2831-32, 1-3/4" ID x 1-15/16" OD X 2" LG	2	2
30	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	-	2
31	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2	2
32	206-513	BUSHING, igus Q2SI-2831-16, 1-3/4" ID x 1-15/16" OD X 1" LG	2	2
33	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	2	2
34	212-031	EXTENSION SPRING	1	1
35	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	1	1
36	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1	1
37	212-256	EXTERNAL SNAP RING, 1-3/4"	1	1
38	212-288	SUBFRAME MANIFOLD	1	1
39	600-1058	HOSE CLAMP, WIDE	2	2
40	600-1060	LOWER PLATE, WIDE	2	2
41	600-1062	HOSE CLAMP, NARROW	2	2
42	600-1064	LOWER PLATE, NARROW	2	2
43	700-1000	OUTER WING, LH	1	1
44	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	-	3
45	700-1025	SUBFRAME STABILIZER	1	1
46	700-1027	SHIM, SUBFRAME STABILIZER	4	4
47	700-1028	TORQUE TUBE PIN	1	1
48	700-1029	PIN, WT. TRAN. SLOTTED PL	1	1
49	700-1032	SUBFRAME MANIFOLD MOUNT	1	1
50	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	-	1
51	700-1034A	SLOW-CLOSE LEVER ASSY	1	1
52	700-1449	WING LOCK PIN	1	1
53	700-1853A	WING FRONT CASTER ASSEMBLY	1	1
54	700-1856A	WING FRONT CASTER LOCK, LH ASSY	1	1
55	700-1860A	CAM FOLLOWER ARM, LH ASSY	1	1
56	700-1861	CAM LEVER PIVOT PIN	1	1
57	700-1865	SPRING MOUNT PIN	1	1
58	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1	1
59	700-2039	ROLLER MOUNT	-	1
60	700-2040	HITCH / FRAME RAMP ROLLER AXLE	-	1
61	700-2041	HITCH / FRAME RAMP ROLLER	-	1
62	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	1	1
63	700-2422	(2) x 3/4" HOSE CLAMP	1	1

# Parts Manual

## 2.23 Wing Frame, Outer 61' & 71', RH

(700-1001A)

Refer to Section 4.13 for assembled view and positional dimensions.



# Parts Manual

## *Wing Frame, Outer 61' & 71', RH*

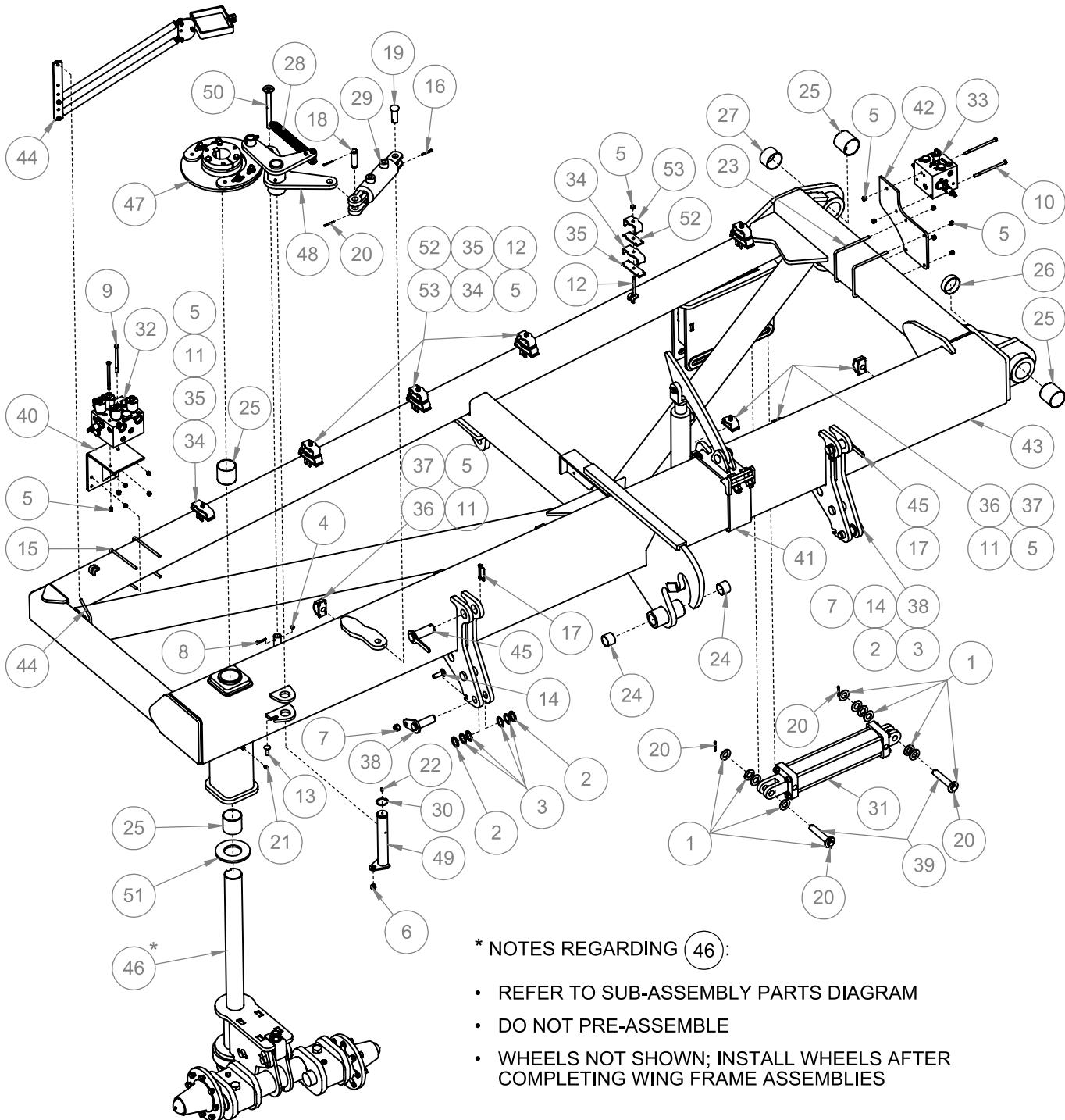
ITEM NO.	PART NO.	DESCRIPTION	61' QTY	71' QTY
1	102-010	WASHER, 1 PLATED SAE	7	7
2	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	1	2
3	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2	2
4	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4	4
5	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1	1
6	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	7	7
7	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	3	3
8	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	1
9	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	-	4
10	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1	1
11	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	2	2
12	125-105	BOLT, 1/2 X 2 UNC GR5 PLATED	-	2
13	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	-	2
14	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	5	5
15	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1	1
16	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	1	1
17	165-132	U-BOLT, 1/2 X 10-1/8 W X 12 H, UNC GR5 PLATED	1	1
18	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	2	2
19	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	1	1
20	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1	1
21	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	2	2
22	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	4	4
23	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1	1
24	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1	1
25	206-098	1.25" HD EXTERNAL SNAP RING	-	2
26	206-503	BUSHING, igus Q2SI-2831-32, 1-3/4" ID x 1-15/16" OD X 2" LG	2	2
27	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	-	2
28	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2	2
29	206-513	BUSHING, igus Q2SI-2831-16, 1-3/4" ID x 1-15/16" OD X 1" LG	2	2
30	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	2	2
31	212-031	EXTENSION SPRING	1	1
32	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	1	1
33	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1	1
34	212-256	EXTERNAL SNAP RING, 1-3/4"	1	1
35	600-1058	HOSE CLAMP, WIDE	1	1
36	600-1060	LOWER PLATE, WIDE	1	1
37	600-1062	HOSE CLAMP, NARROW	4	4
38	600-1064	LOWER PLATE, NARROW	4	4
39	700-1001	OUTER WING, RH	1	1
40	700-1024	ROLLER SHIM, HORIZ. DIST., 11 GA.	-	3
41	700-1025	SUBFRAME STABILIZER	1	1
42	700-1027	SHIM, SUBFRAME STABILIZER	4	4
43	700-1028	TORQUE TUBE PIN	1	1
44	700-1029	PIN, WT. TRAN. SLOTTED PL	1	1
45	700-1033	ROLLER SHIM, HORIZ. DIST., 1/2"	-	1
46	700-1034A	SLOW-CLOSE LEVER ASSY	1	1
47	700-1449	WING LOCK PIN	1	1
48	700-1853A	WING FRONT CASTER ASSEMBLY	1	1
49	700-1855A	WING FRONT CASTER LOCK, RH ASSY	1	1
50	700-1859A	CAM FOLLOWER ARM, RH ASSY	1	1
51	700-1861	CAM LEVER PIVOT PIN	1	1
52	700-1865	SPRING MOUNT PIN	1	1
53	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1	1
54	700-2039	ROLLER MOUNT	-	1
55	700-2040	HITCH / FRAME RAMP ROLLER AXLE	-	1
56	700-2041	HITCH / FRAME RAMP ROLLER	-	1

# Parts Manual

## 2.24 Wing Frame, 51', LH

(700-1223A)

Refer to Section 4.14 for  
assembled view and positional  
dimensions.



\* NOTES REGARDING (46):

- REFER TO SUB-ASSEMBLY PARTS DIAGRAM
- DO NOT PRE-ASSEMBLE
- WHEELS NOT SHOWN; INSTALL WHEELS AFTER  
COMPLETING WING FRAME ASSEMBLIES

# Parts Manual

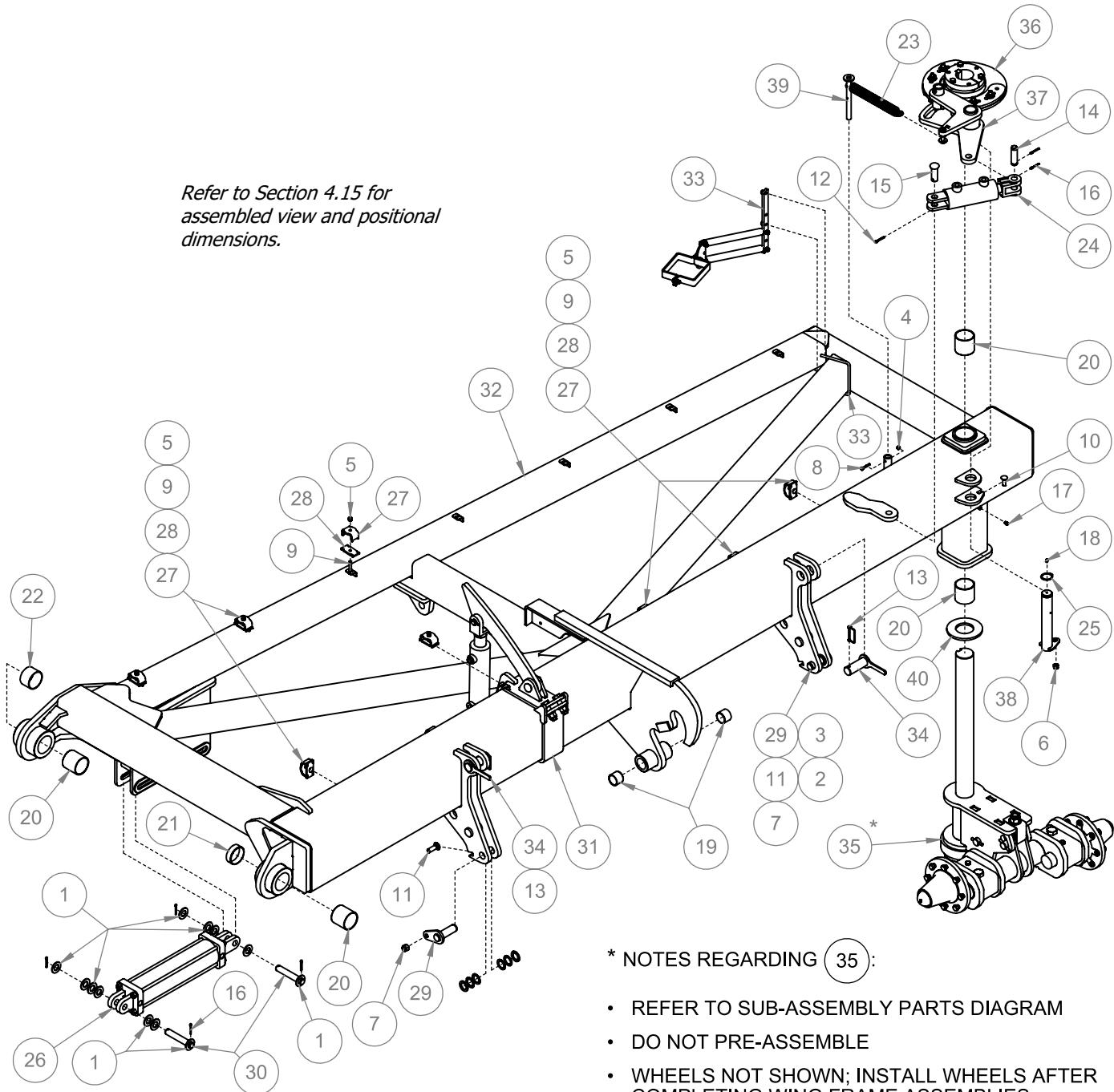
## *Wing Frame, 51', LH*

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8
4	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	24
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	2
8	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
9	125-070	BOLT, 3/8 X 5-1/2 UNC GR5 PLATED	2
10	125-073	BOLT, 3/8 X 6-1/2 UNC GR5 PLATED	2
11	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	7
12	145-065	CARR. BOLT, 3/8 X 4 UNC GR5 PLATED	4
13	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2
14	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	2
15	165-133	U-BOLT .375 X 4 X 7	2
16	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
17	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	2
18	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
19	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
20	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
21	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
22	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
23	185-021	U-BOLT, 3/8 X 6-1/16 W X 7 H, UNC GR5 PLATED	2
24	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
25	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
26	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1" LG	1
27	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2" LG	1
28	212-031	EXTENSION SPRING	1
29	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
30	212-256	EXTERNAL SNAP RING, 1-3/4"	1
31	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
32	212-288	SUBFRAME MANIFOLD	1
33	212-289	SEQUENCE MANIFOLD	1
34	600-1058	HOSE CLAMP, WIDE	6
35	600-1060	LOWER PLATE, WIDE	6
36	600-1062	HOSE CLAMP, NARROW	6
37	600-1064	LOWER PLATE, NARROW	6
38	700-1028	TORQUE TUBE PIN	2
39	700-1029	PIN, WT. TRAN. SLOTTED PL	2
40	700-1032	SUBFRAME MANIFOLD MOUNT	1
41	700-1034A	SLOW-CLOSE LEVER ASSY	1
42	700-1221	SEQUENCE MANIFOLD MOUNT	1
43	700-1223	51' WING, LH	1
44	700-1228A	AIR HOSE GUIDE SPRING ASSY (4-HOSE, LH WING CONFIG.)	1
45	700-1449	WING LOCK PIN	2
46	700-1853A	WING FRONT CASTER ASSEMBLY	1
47	700-1856A	WING FRONT CASTER LOCK, LH ASSY	1
48	700-1860A	CAM FOLLOWER ARM, LH ASSY	1
49	700-1861	CAM LEVER PIVOT PIN	1
50	700-1865	SPRING MOUNT PIN	1
51	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1
52	700-2421	BASE PL, (2) x 3/4" HOSE CLAMP	5
53	700-2422	(2) x 3/4" HOSE CLAMP	5

# Parts Manual

## 2.25 Wing Frame, 51', RH

(700-1224A)



### \* NOTES REGARDING (35):

- REFER TO SUB-ASSEMBLY PARTS DIAGRAM
- DO NOT PRE-ASSEMBLE
- WHEELS NOT SHOWN; INSTALL WHEELS AFTER COMPLETING WING FRAME ASSEMBLIES

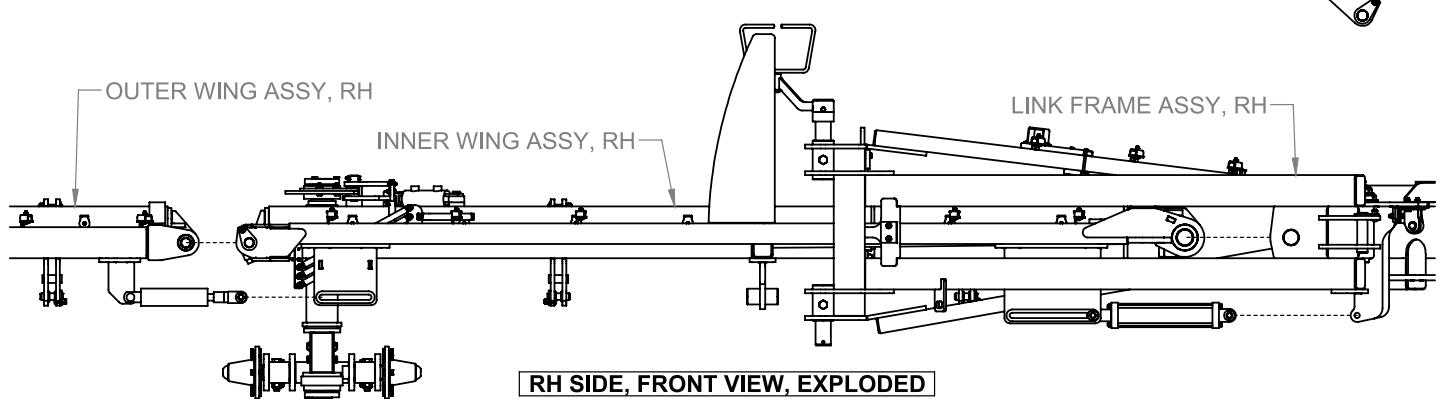
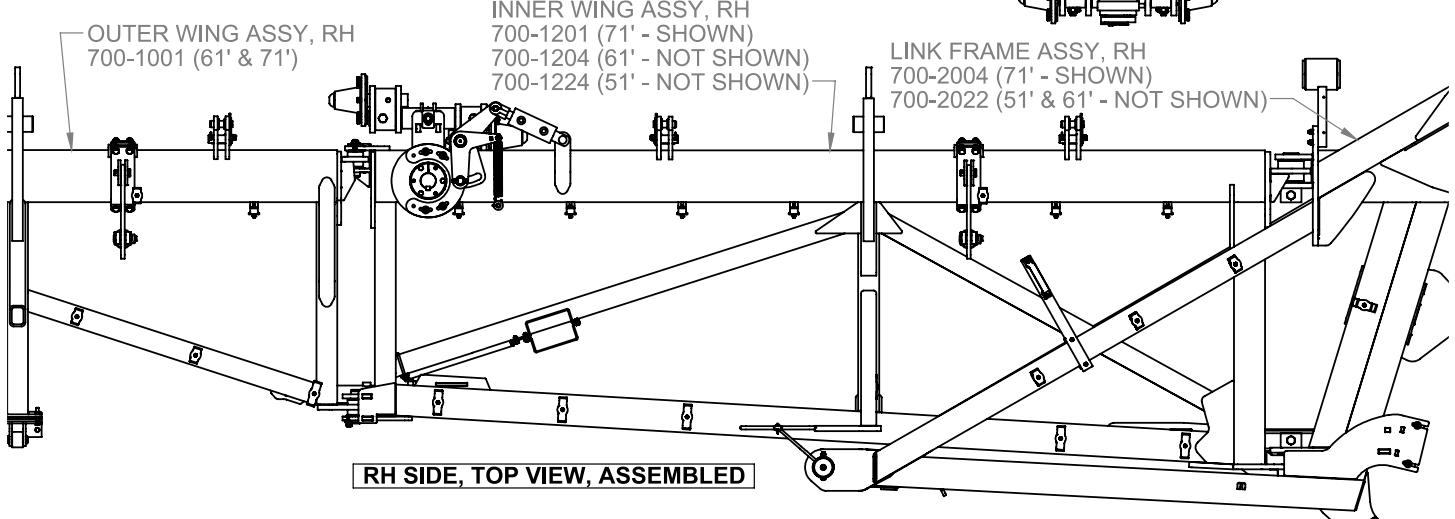
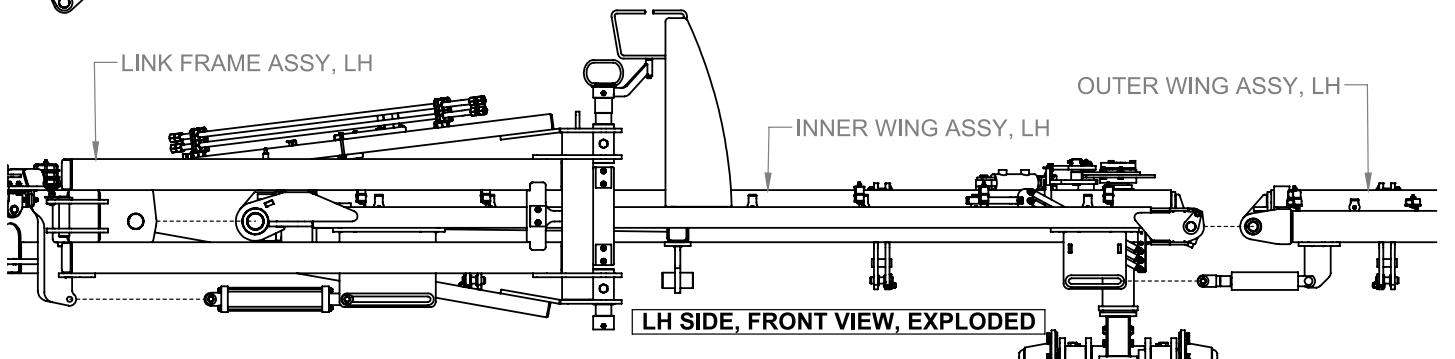
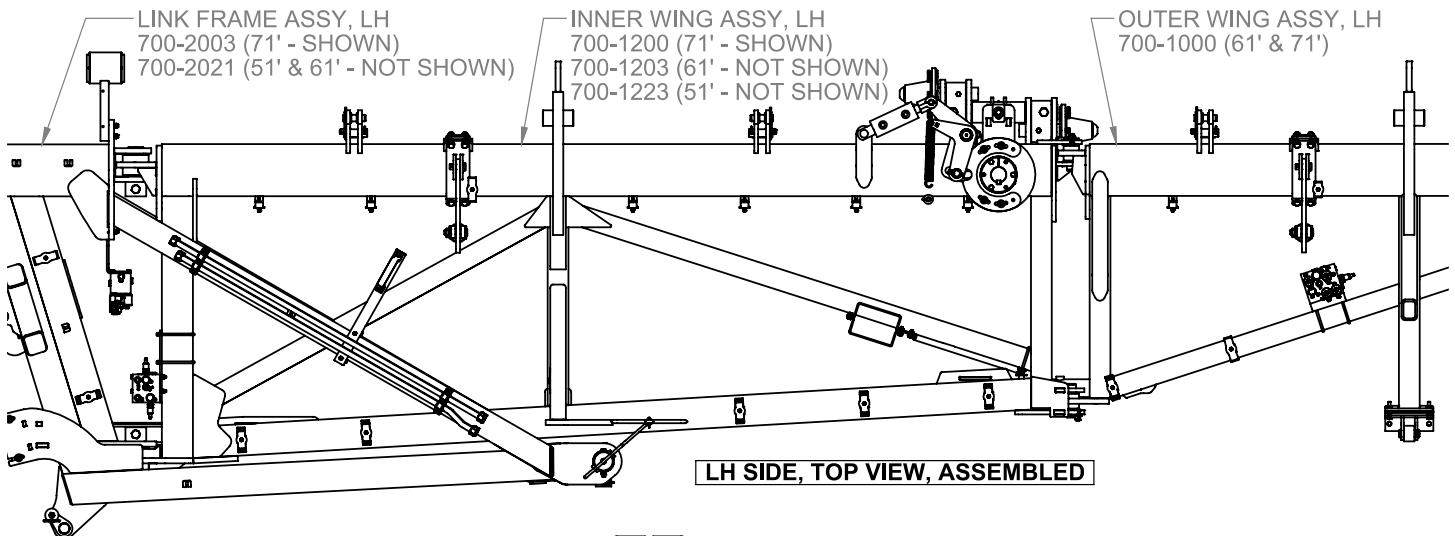
# Parts Manual

## *Wing Frame, 51', RH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8
4	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	9
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	2
8	125-005	BOLT, 1/4 X 1-3/4 UNC GR5 PLATED	1
9	145-058	CARR. BOLT, 3/8 X 2-1/4 UNC GR5 PLATED	9
10	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1
11	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	2
12	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
13	170-082	QUICK PIN, 0.25 X 2.5, ROUND OR SQUARE WIRE	2
14	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	1
15	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
16	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
17	180-004	GREASE FITTING, 1/8 NPT, STRAIGHT	1
18	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
19	206-510	BUSHING, igus TX1SI-2832-24, 1-3/4" ID x 2" OD X 1-1/2" LG	2
20	206-514	BUSHING, igus Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG	4
21	206-514-01	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 1"	1
22	206-514-02	BUSHING, Q2SI-4852-48, 3" ID x 3-1/4" OD x 3" LG CUT DOWN TO 2"	1
23	212-031	EXTENSION SPRING	1
24	212-166	3" BORE x 4" STROKE, Ram Part No. R4508600	1
25	212-256	EXTERNAL SNAP RING, 1-3/4"	1
26	212-281	4" BORE X 16" STROKE, RAM P/N: R4507059	1
27	600-1062	HOSE CLAMP, NARROW	9
28	600-1064	LOWER PLATE, NARROW	9
29	700-1028	TORQUE TUBE PIN	2
30	700-1029	PIN, WT. TRAN. SLOTTED PL	2
31	700-1034A	SLOW-CLOSE LEVER ASSY	1
32	700-1224	51' WING, RH	1
33	700-1228A	AIR HOSE GUIDE SPRING ASSY (4-HOSE, RH WING CONFIG.)	1
34	700-1449	WING LOCK PIN	2
35	700-1853A	WING FRONT CASTER ASSEMBLY	1
36	700-1855A	WING FRONT CASTER LOCK, RH ASSY	1
37	700-1859A	CAM FOLLOWER ARM, RH ASSY	1
38	700-1861	CAM LEVER PIVOT PIN	1
39	700-1865	SPRING MOUNT PIN	1
40	700-1919	FRONT CASTER/LINK FRAME WEAR SURFACE	1

# Parts Manual

## 2.26 Assembly Fitments #3: Wing Frames



## Parts Manual

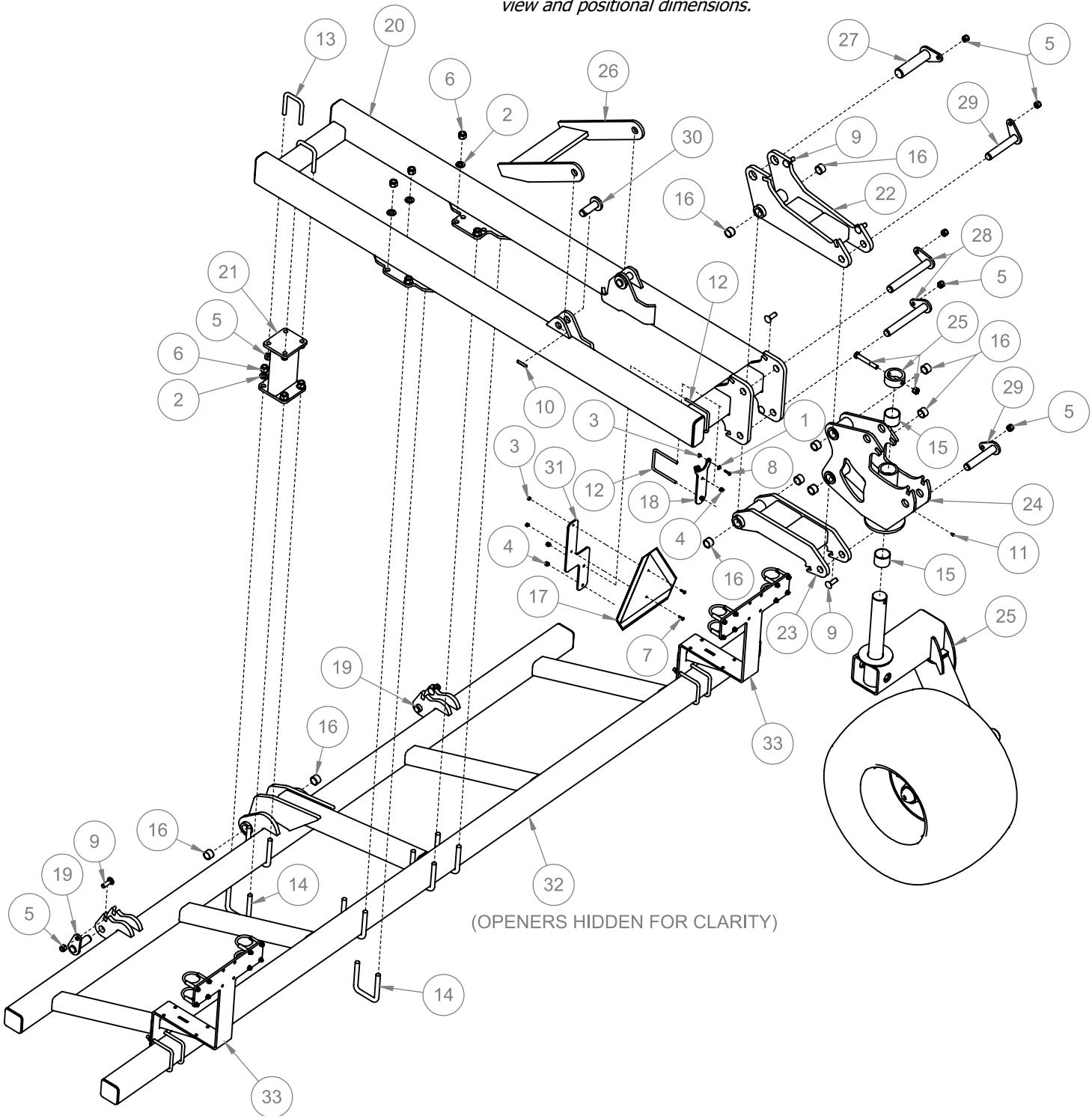
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# Parts Manual

## 2.27 Subframes, Center

(700-2200, 700-2201, 700-2202, & 700-2203)

Refer to Section 4.1 for assembled view and positional dimensions.



# Parts Manual

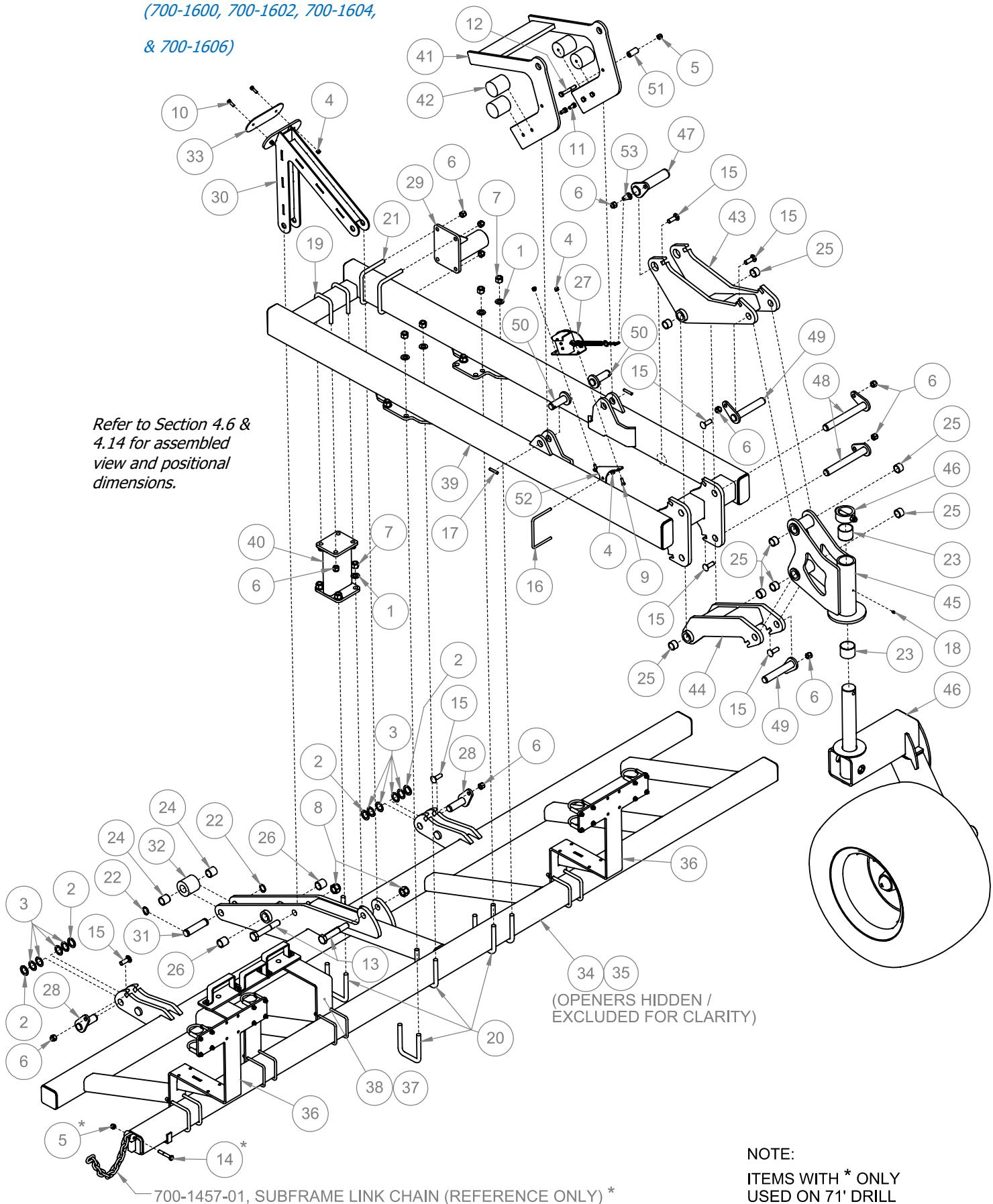
## *Subframes, Center*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-001	WASHER, 1/4 PLATED ASME WIDE	2
2	102-008	WASHER, 3/4 PLATED SAE	12
3	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	4
4	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	4
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	11
6	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	12
7	125-001	BOLT, 1/4 X 3/4 UNC GR5 PLATED	2
8	125-002	BOLT, 1/4 X 1 UNC GR5 PLATED	2
9	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	7
10	170-027	ROLL PIN, 3/8 X 2 PLATED	2
11	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
12	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/16 H, UNC GR5 PLATED	2
13	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2
14	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6
15	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2
16	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	10
17	210-055	SMV SIGN, 22 GA GALVANIZED	1
18	600-1086	MOUNT, LIGHT PLUG	1
19	700-1028	TORQUE TUBE PIN	2
20	700-1801	CASTER SUPPORT FRAME, RH	1
21	700-1804	CASTER MOUNT STABILIZER	1
22	700-1812	CENTER CASTER PARALLEL, UPPER	1
23	700-1813	CASTER PARALLEL, LOWER	1
24	700-1820	REAR CASTER PIVOT MOUNT, CENTER	1
25	700-1823A	REAR CASTER WHEEL ASSY ( <i>REFER TO SUB-ASSEMBLY</i> )	1
26	700-1825	DEPTH STOP TRAPEZE, CTR	1
27	700-1901	PARALLEL - CTRL ARM PIN	1
28	700-1902	PARALLEL - SUPPORT FRAME PIN	2
29	700-1903	PARALLEL - CASTER MNT PIN	2
30	700-1904	DEPTH STOP PIVOT PIN	2
31	700-1927	MOUNT, SLOW MOVING VEHICLE	1
32	700-2200A 700-2201A 700-2202A 700-2203A	SUBFRAME, CENTER 61' & 71', 10" SP SUBFRAME, CENTER 61' & 71', 12" SP ( <i>SHOWN - OPENERS HIDDEN</i> ) SUBFRAME, 51', CENTER, 10" SP SUBFRAME, 51', CENTER, 12" SP	1
33	700-1648A	OFFSET HEADER MOUNT ASSY ( <i>REFER TO SUB-ASSEMBLY</i> )	2

# Parts Manual

## 2.28 Subframes, 51' & Inner 71', LH

(700-1600, 700-1602, 700-1604,  
& 700-1606)



# Parts Manual

## *Subframes, Inner, LH*

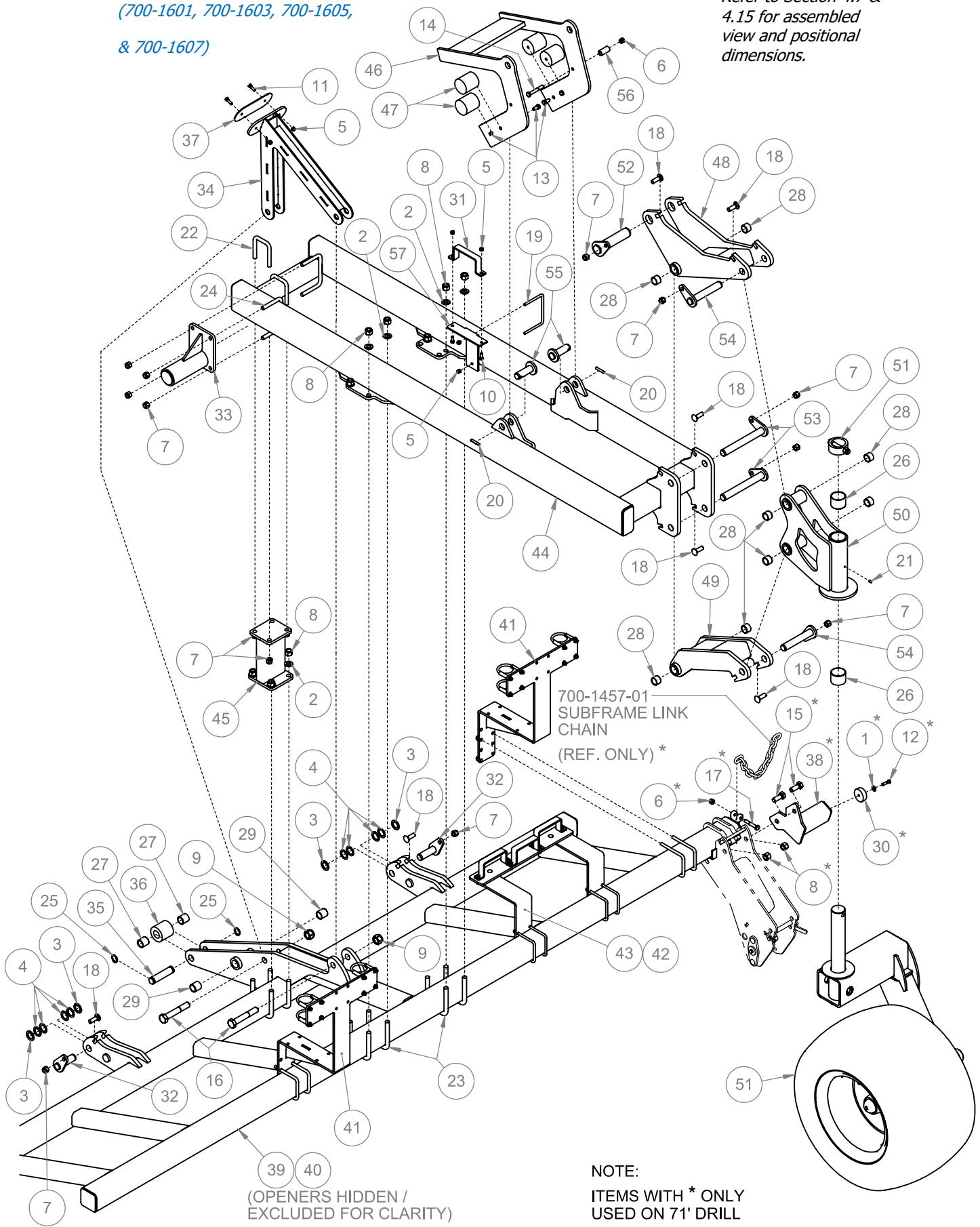
ITEM NO.	PART NUMBER	DESCRIPTION	71' QTY	51' QTY
1	102-008	WASHER, 3/4 PLATED SAE	12	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4	4
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8	8
4	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6	6
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2	1
6	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	15	15
7	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	12	12
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2	2
9	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2	2
10	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2	2
11	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4	4
12	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1	1
13	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2	2
14	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1	-
15	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	7	7
16	165-028	U-BOLT, 3/8 X 6 W X 4-1/2" H, UNC GR5 PLATED	1	1
17	170-027	ROLL PIN, 3/8 X 2 PLATED	2	2
18	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1	1
19	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2	2
20	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6	6
21	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2	2
22	206-098	1.25" HD EXTERNAL SNAP RING	2	2
23	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2	2
24	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2
25	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8	8
26	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2
27	600-1282	WORK SWITCH KIT	1	1
28	700-1028	TORQUE TUBE PIN	2	2
29	700-1036	SLOW-CLOSE ACTUATOR	1	1
30	700-1444	WING REST	1	1
31	700-1445	SCROLL FOLLOWER PIN	1	1
32	700-1446	SCROLL FOLLOWER	1	1
33	700-1450	WING REST SHIM	1	1
34	700-1600 700-1602	SUBFRAME, INNER, LH, 10" SP ( <i>SHOWN</i> ) SUBFRAME, INNER, LH, 12" SP ( <i>NOT SHOWN</i> )	1	-
35	700-1604 700-1606	SUBFRAME, 51', LH, 10" SP ( <i>NOT SHOWN</i> ) SUBFRAME, 51', LH, 12" SP ( <i>NOT SHOWN</i> )	-	1
36	700-1648A	OFFSET HEADER MOUNT ASSY ( <i>REFER TO SUB-ASSMBLY</i> )	2	2
37	700-1649A	AIR HOSE STABILITY MOUNT ASSY, 4-HOSE ( <i>NOT SHOWN - REFER TO SUB-ASSY</i> )	-	1
38	700-1651A	AIR HOSE STABILITY MOUNT ASSY, 6-HOSE ( <i>SHOWN - REFER TO SUB-ASSY</i> )	1	-
39	700-1800	CASTER SUPPORT FRAME, LH	1	1
40	700-1804	CASTER MOUNT STABILIZER	1	1
41	700-1809	DEPTH STOP TRAPEZE	1	1
42	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4	4
43	700-1811	WING CASTER PARALLEL, UPPER	1	1
44	700-1813	CASTER PARALLEL, LOWER	1	1
45	700-1814	REAR CASTER PIVOT MOUNT, WING	1	1
46	700-1823A	REAR CASTER WHEEL ASSY ( <i>REFER TO SUB-ASSMBLY</i> )	1	1
47	700-1901	PARALLEL - CTRL ARM PIN	1	1
48	700-1902	PARALLEL - SUPPORT FRAME PIN	2	2
49	700-1903	PARALLEL - CASTER MNT PIN	2	2
50	700-1904	DEPTH STOP PIVOT PIN	2	2
51	700-1926	ANGLE STOP, DEPTH STOP	1	1
52	700-1930	WORK SWITCH MOUNT	1	1
53	700-1937	WORK SWITCH ANCHOR	1	1

# Parts Manual

## 2.29 Subframes, 51' & Inner 71', RH

(700-1601, 700-1603, 700-1605,  
& 700-1607)

Refer to Section 4.7 &  
4.15 for assembled  
view and positional  
dimensions.



# Parts Manual

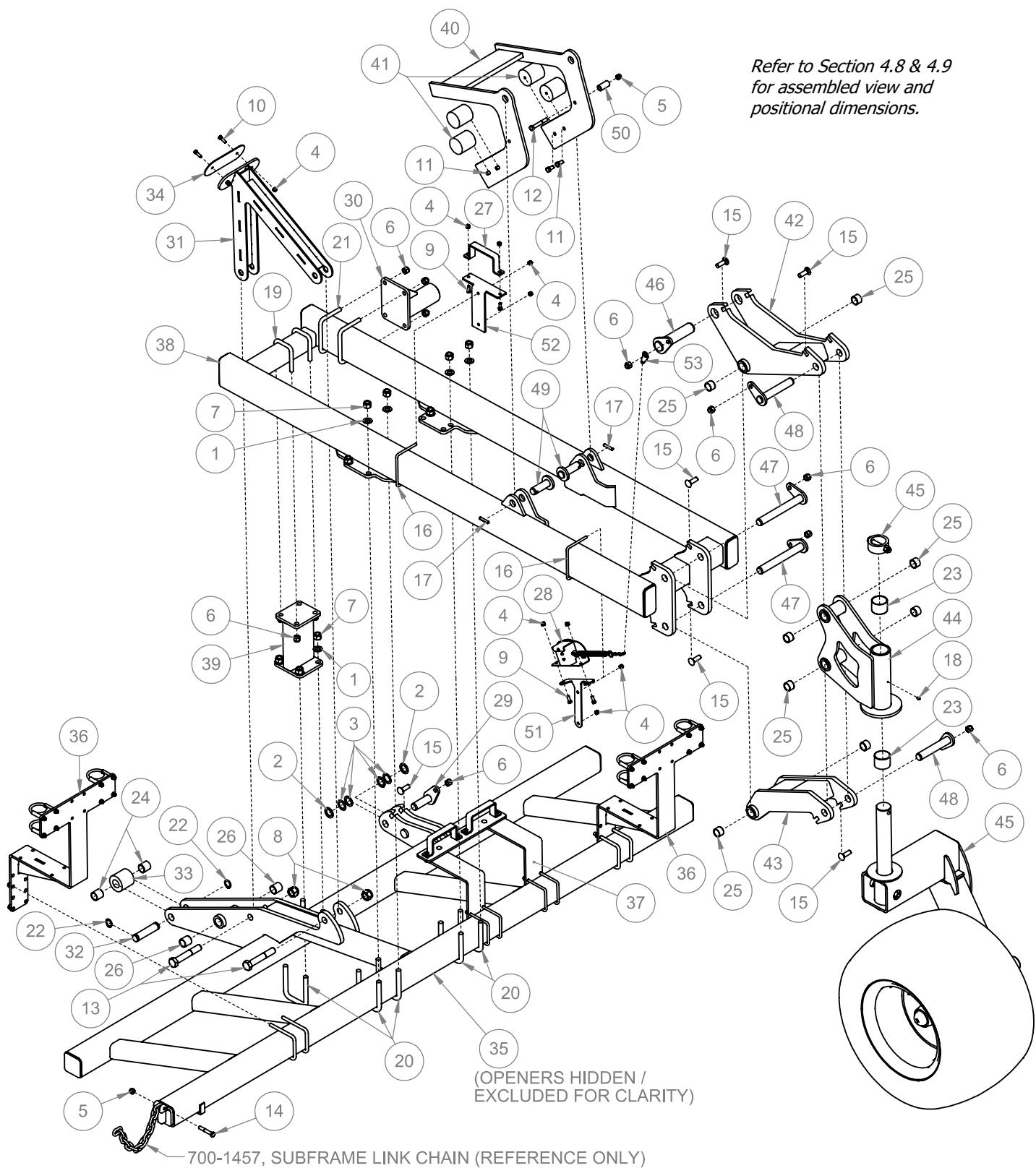
## *Subframes, Inner, RH*

ITEM NO.	PART NUMBER	DESCRIPTION	71' QTY	51' QTY
1	101-003	WASHER, 3/8 PLATED ASME WIDE	1	-
2	102-008	WASHER, 3/4 PLATED SAE	12	12
3	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	4	4
4	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	8	8
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6	6
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2	1
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	15	15
8	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	14	12
9	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2	2
10	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2	2
11	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2	2
12	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1	-
13	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4	4
14	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1	1
15	125-180	BOLT, 3/4 X 2 UNC GR5 PLATED	2	-
16	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2	2
17	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1	-
18	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	7	7
19	165-028	U-BOLT, 3/8 X 6 W X 4-1/2" H, UNC GR5 PLATED	1	1
20	170-027	ROLL PIN, 3/8 X 2 PLATED	2	2
21	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1	1
22	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2	2
23	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6	6
24	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2	2
25	206-098	1.25" HD EXTERNAL SNAP RING	2	2
26	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2	2
27	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2
28	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8	8
29	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2	2
30	206-518	RUBBER BUMPER	1	-
31	600-1178	HOSE STRAP	1	1
32	700-1028	TORQUE TUBE PIN	2	2
33	700-1036	SLOW-CLOSE ACTUATOR	1	1
34	700-1444	WING REST	1	1
35	700-1445	SCROLL FOLLOWER PIN	1	1
36	700-1446	SCROLL FOLLOWER	1	1
37	700-1450	WING REST SHIM	1	1
38	700-1456 700-1458	SUBFRAME BUMPER, 10" SP (SHOWN) SUBFRAME BUMPER, 12" SP (NOT SHOWN)	1	-
39	700-1601 700-1603	SUBFRAME, INNER, RH, 10" SP (SHOWN) SUBFRAME, INNER, RH, 12" SP (NOT SHOWN)	1	-
40	700-1605 700-1607	SUBFRAME, 51', RH, 10" SP (NOT SHOWN) SUBFRAME, 51', RH, 12" SP (NOT SHOWN)	-	1
41	700-1648A	OFFSET HEADER MOUNT ASS'Y (REFER TO SUB-ASSY)	2	2
42	700-1649A	AIR HOSE STABILITY MOUNT ASS'Y, 4-HOSE (NOT SHOWN - REFER TO SUB-ASSY)	-	1
43	700-1651A	AIR HOSE STABILITY MOUNT ASS'Y, 6-HOSE (SHOWN - REFER TO SUB-ASSY)	1	-
44	700-1801	CASTER SUPPORT FRAME, RH	1	1
45	700-1804	CASTER MOUNT STABILIZER	1	1
46	700-1809	DEPTH STOP TRAPEZE	1	1
47	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4	4
48	700-1811	WING CASTER PARALLEL, UPPER	1	1
49	700-1813	CASTER PARALLEL, LOWER	1	1
50	700-1814	REAR CASTER PIVOT MOUNT, WING	1	1
51	700-1823A	REAR CASTER WHEEL ASS'Y	1	1
52	700-1901	PARALLEL - CTRL ARM PIN	1	1
53	700-1902	PARALLEL - SUPPORT FRAME PIN	2	2
54	700-1903	PARALLEL - CASTER MNT PIN	2	2
55	700-1904	DEPTH STOP PIVOT PIN	2	2
56	700-1926	ANGLE STOP, DEPTH STOP	1	1
57	700-1936	AIR HOSE BRACKET	1	1

# Parts Manual

## 2.30 Subframes, Inner 61', LH

(700-1608 & 700-1610)



# Parts Manual

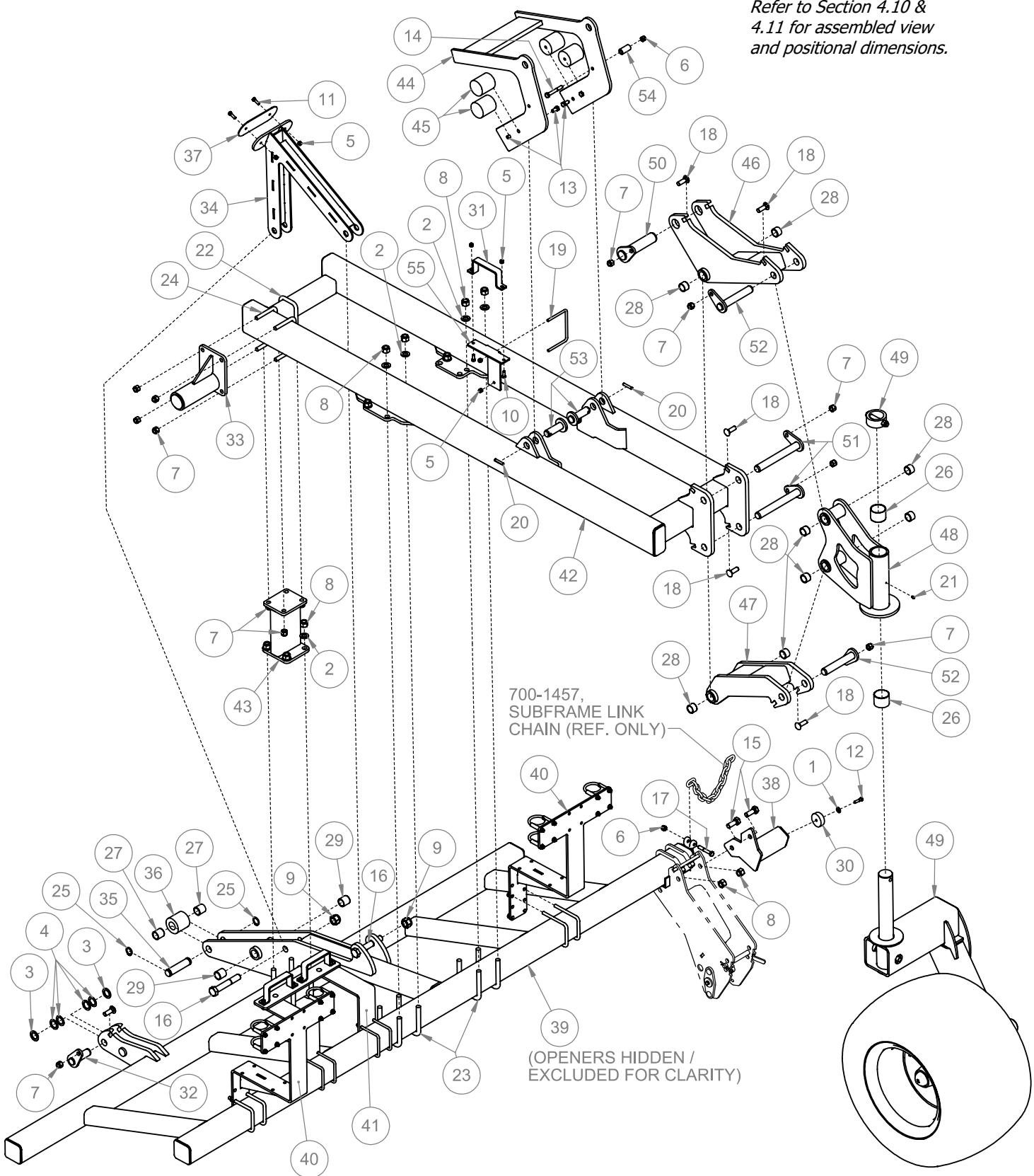
## *Subframes, Inner 61', LH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER, 3/4 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
4	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	10
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
6	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	14
7	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	12
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2
9	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	4
10	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2
11	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4
12	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1
13	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2
14	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1
15	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6
16	165-028	U-BOLT, 3/8 X 6 W X 4-1/2" H, UNC GR5 PLATED	2
17	170-027	ROLL PIN, 3/8 X 2 PLATED	2
18	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
19	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2
20	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6
21	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2
22	206-098	1.25" HD EXTERNAL SNAP RING	2
23	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2
24	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
25	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8
26	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
27	600-1178	HOSE STRAP	1
28	600-1282	WORK SWITCH KIT	1
29	700-1028	TORQUE TUBE PIN	1
30	700-1036	SLOW-CLOSE ACTUATOR	1
31	700-1444	WING REST	1
32	700-1445	SCROLL FOLLOWER PIN	1
33	700-1446	SCROLL FOLLOWER	1
34	700-1450	WING REST SHIM	1
35	700-1608	SUBFRAME, INNER 61', LH, 10" SP ( <i>SHOWN</i> )	1
	700-1610	SUBFRAME, INNER 61', LH, 12" SP ( <i>NOT SHOWN</i> )	1
36	700-1648A	OFFSET HEADER MOUNT ASS'Y	2
37	700-1649A	AIR HOSE STABILITY MOUNT ASS'Y, 4-HOSE	1
38	700-1800	CASTER SUPPORT FRAME, LH ( <i>SHOWN - 10" SP.</i> )	1
	700-1801	CASTER SUPPORT FRAME, RH ( <i>NOT SHOWN - 12" SP.</i> )	1
39	700-1804	CASTER MOUNT STABILIZER	1
40	700-1809	DEPTH STOP TRAPEZE	1
41	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4
42	700-1811	WING CASTER PARALLEL, UPPER	1
43	700-1813	CASTER PARALLEL, LOWER	1
44	700-1814	REAR CASTER PIVOT MOUNT, WING	1
45	700-1823A	REAR CASTER WHEEL ASS'Y	1
46	700-1901	PARALLEL - CTRL ARM PIN	1
47	700-1902	PARALLEL - SUPPORT FRAME PIN	2
48	700-1903	PARALLEL - CASTER MNT PIN	2
49	700-1904	DEPTH STOP PIVOT PIN	2
50	700-1926	ANGLE STOP, DEPTH STOP	1
51	700-1930	WORK SWITCH MOUNT	1
52	700-1936	AIR HOSE BRACKET	1
53	700-1937	WORK SWITCH ANCHOR	1

# Parts Manual

## 2.31 Subframes, Inner 61', RH

(700-1609 & 700-1611)



# Parts Manual

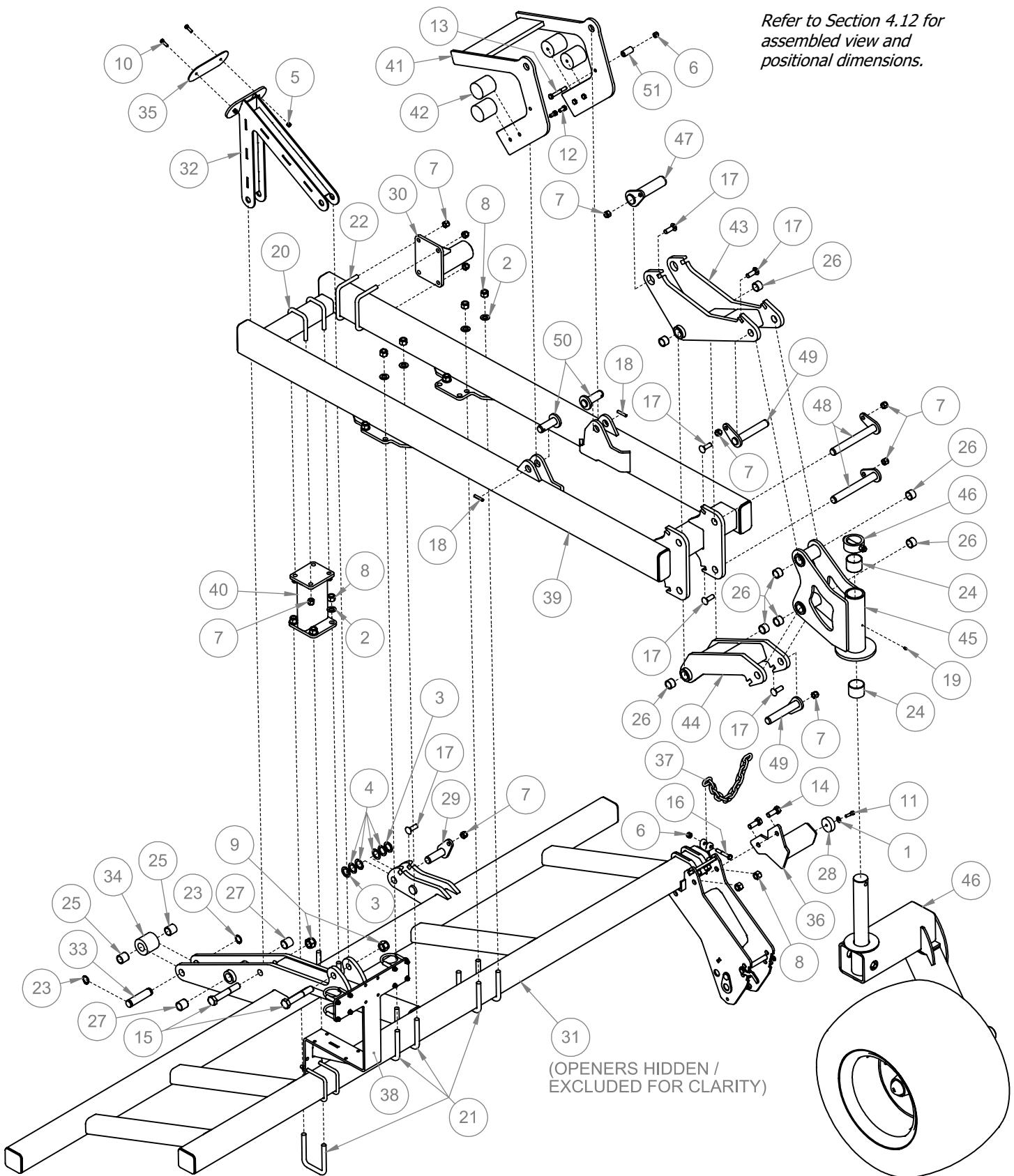
## *Subframes, Inner 61', RH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-003	WASHER, 3/8 PLATED ASME WIDE	1
2	102-008	WASHER, 3/4 PLATED SAE	12
3	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
4	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	14
8	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	14
9	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2
10	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2
11	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2
12	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1
13	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4
14	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1
15	125-180	BOLT, 3/4 X 2 UNC GR5 PLATED	2
16	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2
17	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1
18	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6
19	165-028	U-BOLT, 3/8 X 6 W X 4-1/2" H, UNC GR5 PLATED	1
20	170-027	ROLL PIN, 3/8 X 2 PLATED	2
21	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
22	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2
23	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6
24	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2
25	206-098	1.25" HD EXTERNAL SNAP RING	2
26	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2
27	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
28	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8
29	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
30	206-518	RUBBER BUMPER	1
31	600-1178	HOSE STRAP	1
32	700-1028	TORQUE TUBE PIN	1
33	700-1036	SLOW-CLOSE ACTUATOR	1
34	700-1444	WING REST	1
35	700-1445	SCROLL FOLLOWER PIN	1
36	700-1446	SCROLL FOLLOWER	1
37	700-1450	WING REST SHIM	1
38	700-1456	SUBFRAME BUMPER, 10" SP ( <i>SHOWN</i> )	1
	700-1458	SUBFRAME BUMPER, 12" SP ( <i>NOT SHOWN</i> )	
39	700-1609	SUBFRAME, INNER 61', RH, 10" SP ( <i>SHOWN</i> )	1
	700-1611	SUBFRAME, INNER 61', RH, 12" SP ( <i>NOT SHOWN</i> )	
40	700-1648A	OFFSET HEADER MOUNT ASSY	2
41	700-1649A	AIR HOSE STABILITY MOUNT ASS'Y, 4-HOSE	1
42	700-1800	CASTER SUPPORT FRAME, LH ( <i>NOT SHOWN - 12" SP.</i> )	1
	700-1801	CASTER SUPPORT FRAME, RH ( <i>SHOWN - 10" SP.</i> )	
43	700-1804	CASTER MOUNT STABILIZER	1
44	700-1809	DEPTH STOP TRAPEZE	1
45	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4
46	700-1811	WING CASTER PARALLEL, UPPER	1
47	700-1813	CASTER PARALLEL, LOWER	1
48	700-1814	REAR CASTER PIVOT MOUNT, WING	1
49	700-1823A	REAR CASTER WHEEL ASS'Y	1
50	700-1901	PARALLEL - CTRL ARM PIN	1
51	700-1902	PARALLEL - SUPPORT FRAME PIN	2
52	700-1903	PARALLEL - CASTER MNT PIN	2
53	700-1904	DEPTH STOP PIVOT PIN	2
54	700-1926	ANGLE STOP, DEPTH STOP	1
55	700-1936	AIR HOSE BRACKET	1

# Parts Manual

## 2.32 Subframes, Outer 61' & 71', LH

(700-1400, 700-1402, 700-1404, & 700-1406)



# Parts Manual

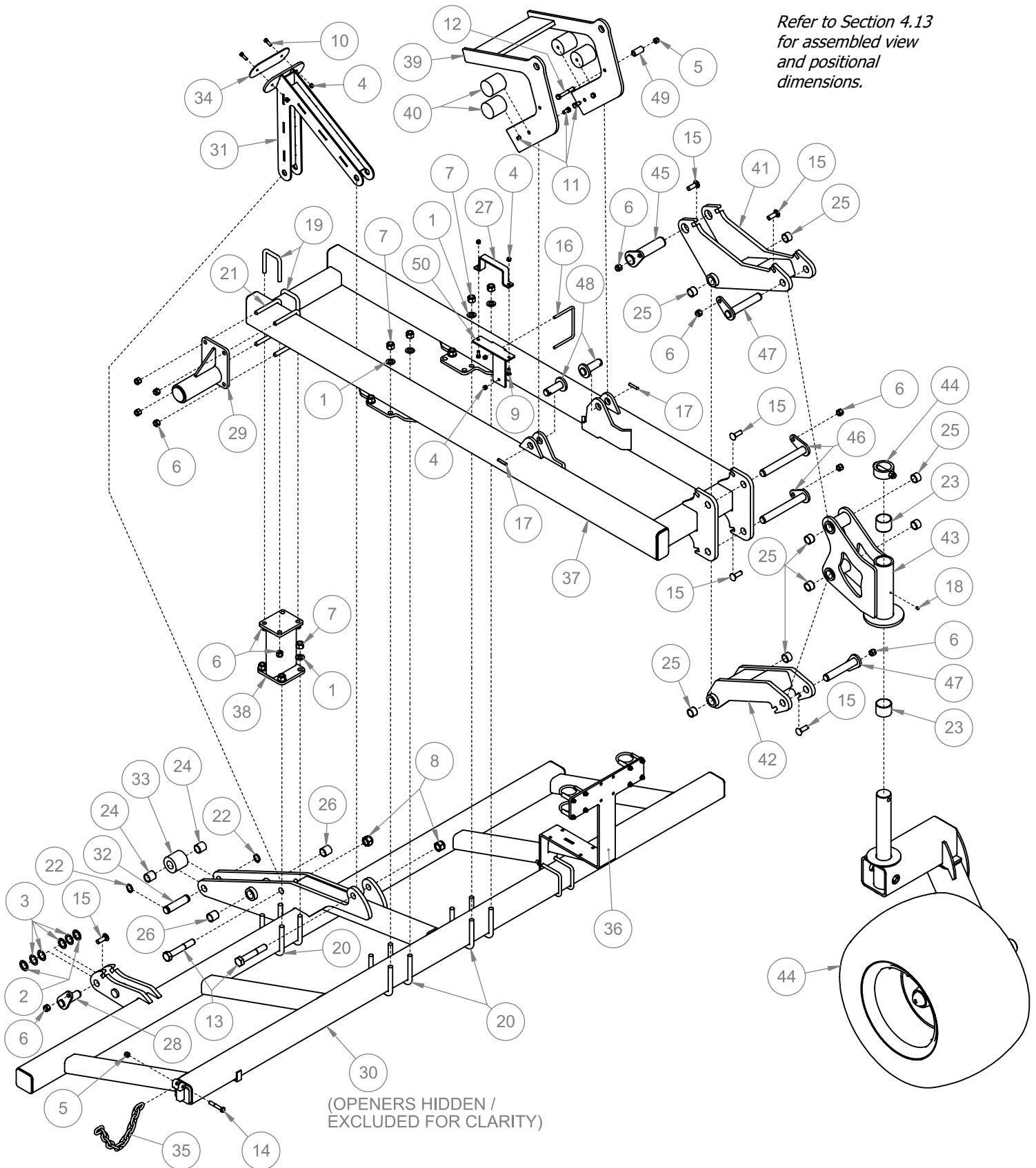
## *Subframes, Outer 71', LH*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-003	WASHER, 3/8 PLATED ASME WIDE	1
2	102-008	WASHER, 3/4 PLATED SAE	12
3	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
4	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	2
6	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
7	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	14
8	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	14
9	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2
10	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2
11	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1
12	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4
13	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1
14	125-180	BOLT, 3/4 X 2 UNC GR5 PLATED	2
15	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2
16	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1
17	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6
18	170-027	ROLL PIN, 3/8 X 2 PLATED	2
19	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
20	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2 H, UNC GR5 PLATED	2
21	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6
22	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2
23	206-098	1.25" HD EXTERNAL SNAP RING	2
24	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2
25	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
26	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8
27	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
28	206-518	RUBBER BUMPER	1
29	700-1028	TORQUE TUBE PIN	1
30	700-1036	SLOW-CLOSE ACTUATOR	1
31	700-1400	SUBFRAME, OUTER 71', LH, 10" SP ( <i>SHOWN</i> )	
	700-1402	SUBFRAME, OUTER 71', LH, 12" SP ( <i>NOT SHOWN</i> )	
	700-1404	SUBFRAME, OUTER 61', LH, 10" SP ( <i>NOT SHOWN</i> )	
	700-1406	SUBFRAME, OUTER 61', LH, 12" SP ( <i>NOT SHOWN</i> )	1
32	700-1444	WING REST	1
33	700-1445	SCROLL FOLLOWER PIN	1
34	700-1446	SCROLL FOLLOWER	1
35	700-1450	WING REST SHIM	1
36	700-1456	SUBFRAME BUMPER, 10" SP	
	700-1458	SUBFRAME BUMPER, 12" SP	1
37	700-1457	SUBFRAME LINK CHAIN	1
38	700-1648A	OFFSET HEADER MOUNT ASS'Y ( <i>REFER TO SUB-ASSEMBLY</i> )	1
39	700-1800	CASTER SUPPORT FRAME, LH ( <i>SHOWN: FOR 61' 10" SP &amp; 71' BOTH SP's</i> )	
	700-1801	CASTER SUPPORT FRAME, RH ( <i>NOT SHOWN: FOR 61' 12" SP ONLY</i> )	1
40	700-1804	CASTER MOUNT STABILIZER	1
41	700-1809	DEPTH STOP TRAPEZE	1
42	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4
43	700-1811	WING CASTER PARALLEL, UPPER	1
44	700-1813	CASTER PARALLEL, LOWER	1
45	700-1814	REAR CASTER PIVOT MOUNT, WING	1
46	700-1823A	REAR CASTER WHEEL ASS'Y	1
47	700-1901	PARALLEL - CTRL ARM PIN	1
48	700-1902	PARALLEL - SUPPORT FRAME PIN	2
49	700-1903	PARALLEL - CASTER MNT PIN	2
50	700-1904	DEPTH STOP PIVOT PIN	2
51	700-1926	ANGLE STOP, DEPTH STOP	1

# Parts Manual

## 2.33 Subframes, Outer 61' & 71', RH

(700-1401, 700-1403, 700-1405, 700-1407)



# Parts Manual

## *Subframes, Outer 71', RH*

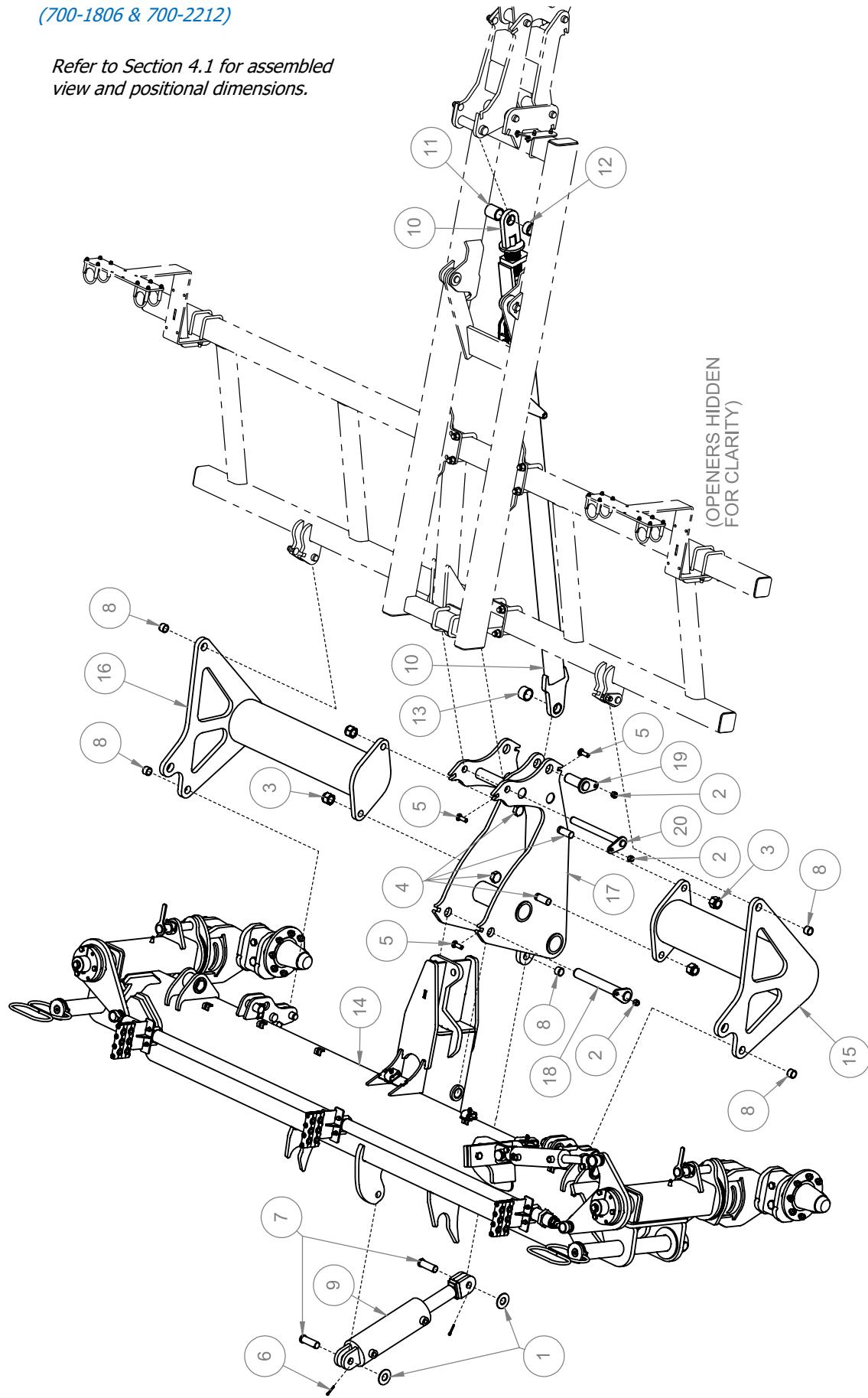
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER, 3/4 PLATED SAE	12
2	104-005	WASHER, 1-1/4" ID x 1-7/8" OD x 10ga. YZ	2
3	104-006	WASHER, 1-1/4" ID x 1-7/8" OD x 18ga. YZ	4
4	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	6
5	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
6	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	14
7	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	12
8	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2
9	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	2
10	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2
11	125-101	BOLT, 1/2 X 1 UNC GR5 PLATED	4
12	125-111	BOLT, 1/2 X 3-1/2 UNC GR5 PLATED	1
13	125-254	BOLT, 1 X 6 UNC GR5 PLATED	2
14	130-109	BOLT, 1/2 X 3 UNC GR8 PLATED	1
15	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	6
16	165-028	U-BOLT, 3/8 X 6 W X 4-1/2" H, UNC GR5 PLATED	1
17	170-027	ROLL PIN, 3/8 X 2 PLATED	2
18	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
19	185-027	U-BOLT, 5/8 X 3-1/8 W X 4-1/2" H, UNC GR5 PLATED	2
20	185-028	U-BOLT, 3/4 X 4-1/16 W X 5-3/4 H, UNC GR5 PLATED	6
21	185-030	U-BOLT, 5/8 X 6-1/16 W X 4-1/2 H, UNC GR5 PLATED	2
22	206-098	1.25" HD EXTERNAL SNAP RING	2
23	206-501	BUSHING, igus GSI-4043-32, 2-1/2" ID x 2-11/16" OD x 2" LG	2
24	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
25	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	8
26	206-507	BUSHING, igus TX1SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2" LG	2
27	600-1178	HOSE STRAP	1
28	700-1028	TORQUE TUBE PIN	1
29	700-1036	SLOW-CLOSE ACTUATOR	1
30	700-1401 700-1403 700-1405 700-1407	SUBFRAME, OUTER 71', RH, 10" SP ( <i>NOT SHOWN</i> ) SUBFRAME, OUTER 71', RH, 12" SP ( <i>SHOWN</i> ) SUBFRAME, OUTER 61', RH, 10" SP ( <i>NOT SHOWN</i> ) SUBFRAME, OUTER 61', RH, 12" SP ( <i>NOT SHOWN</i> )	1
31	700-1444	WING REST	1
32	700-1445	SCROLL FOLLOWER PIN	1
33	700-1446	SCROLL FOLLOWER	1
34	700-1450	WING REST SHIM	1
35	700-1457	SUBFRAME LINK CHAIN	1
36	700-1648A	OFFSET HEADER MOUNT ASSY ( <i>REFER TO SUB-ASSEMBLY</i> )	1
37	700-1800 700-1801	CASTER SUPPORT FRAME, LH ( <i>NOT SHOWN: FOR 61' 12" SP ONLY</i> ) CASTER SUPPORT FRAME, RH ( <i>SHOWN: FOR 61' 10" SP &amp; 71' BOTH SP's</i> )	1
38	700-1804	CASTER MOUNT STABILIZER	1
39	700-1809	DEPTH STOP TRAPEZE	1
40	700-1810	WEIGHT, DEPTH STOP TRAPEZE	4
41	700-1811	WING CASTER PARALLEL, UPPER	1
42	700-1813	CASTER PARALLEL, LOWER	1
43	700-1814	REAR CASTER PIVOT MOUNT, WING	1
44	700-1823A	REAR CASTER WHEEL ASSY ( <i>REFER TO SUB-ASSEMBLY</i> )	1
45	700-1901	PARALLEL - CTRL ARM PIN	1
46	700-1902	PARALLEL - SUPPORT FRAME PIN	2
47	700-1903	PARALLEL - CASTER MNT PIN	2
48	700-1904	DEPTH STOP PIVOT PIN	2
49	700-1926	ANGLE STOP, DEPTH STOP	1
50	700-1936	AIR HOSE BRACKET	1

# Parts Manual

## 2.34 Control Arm & Pitman Arm, Center

(700-1806 & 700-2212)

Refer to Section 4.1 for assembled view and positional dimensions.



# Parts Manual

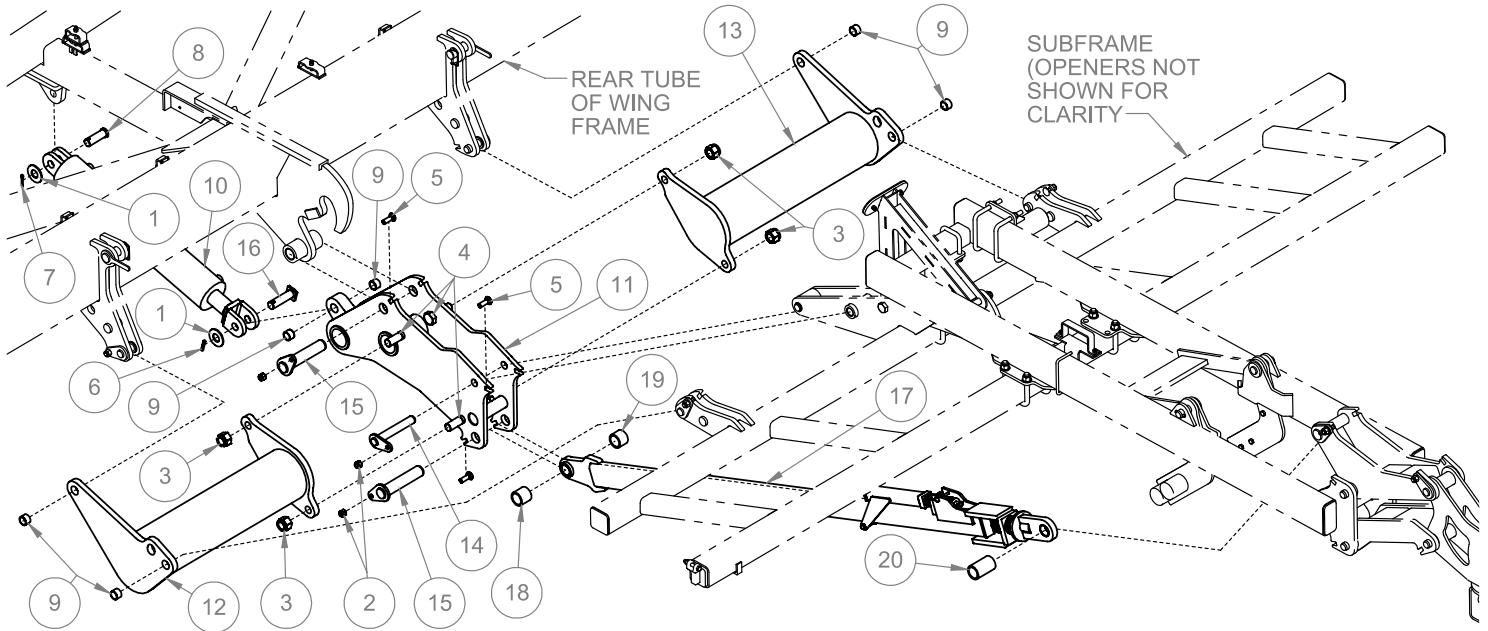
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<i><b>Control Arm &amp; Pitman Arm, Center</b></i>			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	4
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	4
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3
6	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	2
7	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	2
8	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	5
9	212-283	5" BORE x 12" STROKE, Ram Part No. R4509245	1
10	700-1806A	CENTER REAR CASTER CONTROL ARM ASSY	1
11	700-1913	ARM SPACER, OFFSET, REAR A	1
12	700-1914	ARM SPACER, OFFSET, REAR B	1
13	700-1915	ARM SPACER, CENTER FRAME, FRONT	1
14	700-2000A	CENTER STATIC FRAME ASSY	1
15	700-2210	CENTER TORQUE TUBE, LH	1
16	700-2211	CENTER TORQUE TUBE, RH	1
17	700-2212	PITMAN ARM, CENTER	1
18	700-2213	CENTER PITMAN PIVOT PIN	1
19	700-2214	CONTROL ARM TO CENTER PITMAN PIN	1
20	700-2215	SUBFRAME TO CENTER PITMAN PIN	1

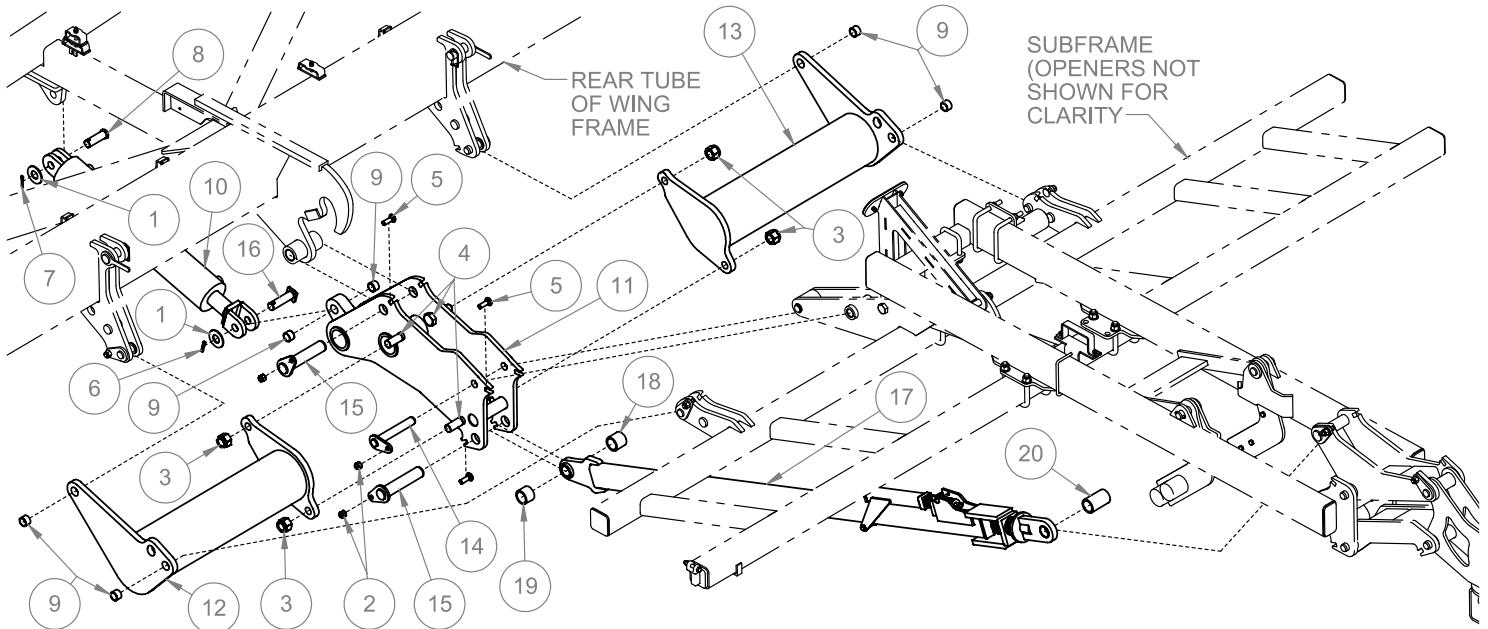
# Parts Manual

## 2.35 Control Arm & Standard Pitman Arm, 51' & Inner 71' Wings (700-1805 & 700-1440)

51' & INNER 71' LH WING, WITH STANDARD PITMAN ARM (700-1440)  
\*\* 10" SPACING ONLY \*\*



51' & INNER 71' RH WING, WITH STANDARD PITMAN ARM (700-1440)  
\*\* 10" SPACING ONLY \*\*



## Parts Manual

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### *Control Arm & Standard Pitman Arm, 51' & Inner 71' Wings*

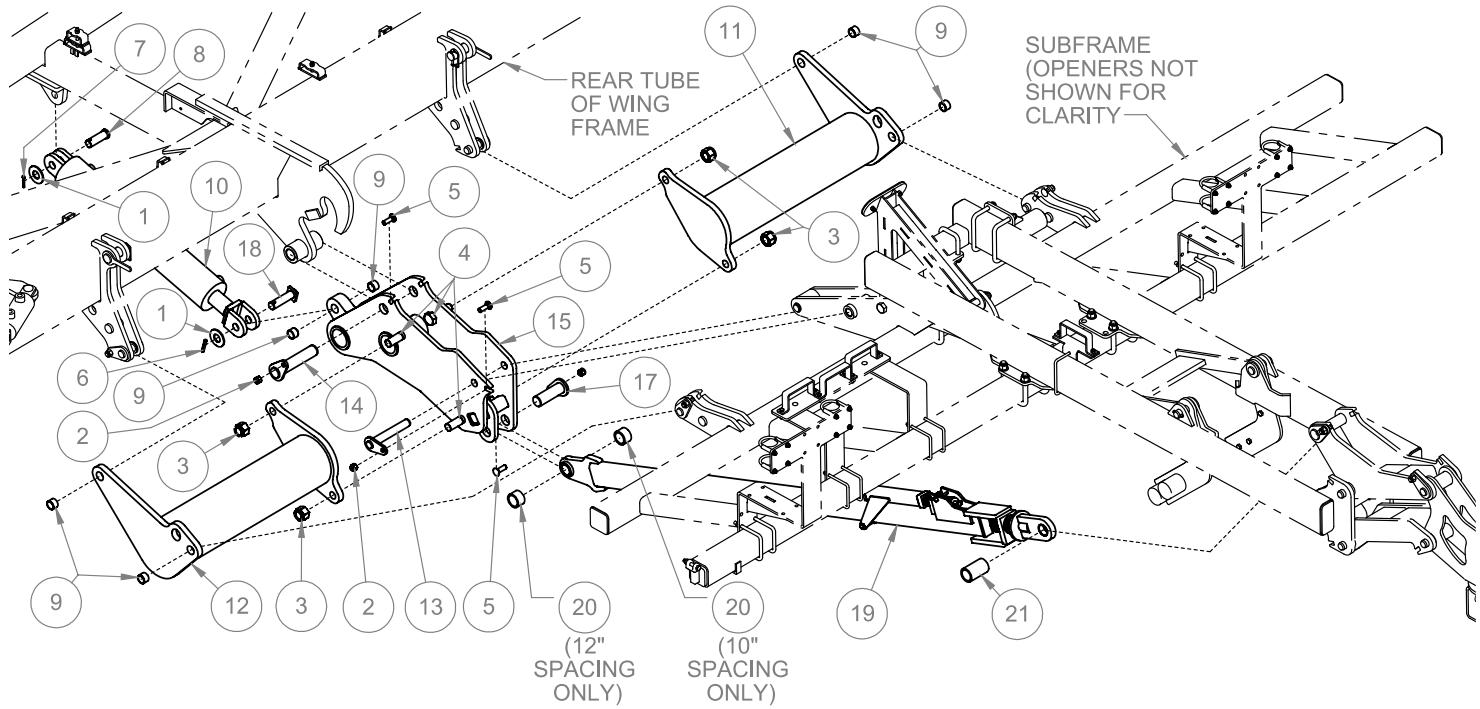
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	4
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	4
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3
6	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1
7	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1
8	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	1
9	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	6
10	212-164	5" BORE x 28" STROKE, Ram Part No. R4508599	1
11	700-1440	PITMAN ARM, STANDARD	1
12	700-1442	WING TORQUE TUBE, LH	1
13	700-1443	WING TORQUE TUBE, RH	1
14	700-1447	SMALL DIA. PITMAN PIN	1
15	700-1451	PITMAN PIN, LARGE DIA.	2
16	700-1644	CYLINDER PIN, SQUARE HEAD	1
17	700-1805A	WING REAR CASTER CONTROL ARM ASSY	1
18	700-1911	ARM SPACER, OFFSET, FRT. A	1
19	700-1912	ARM SPACER, OFFSET, FRT. B	1
20	700-1934	ARM SPACER, OFFSET, REAR E	1

# Parts Manual

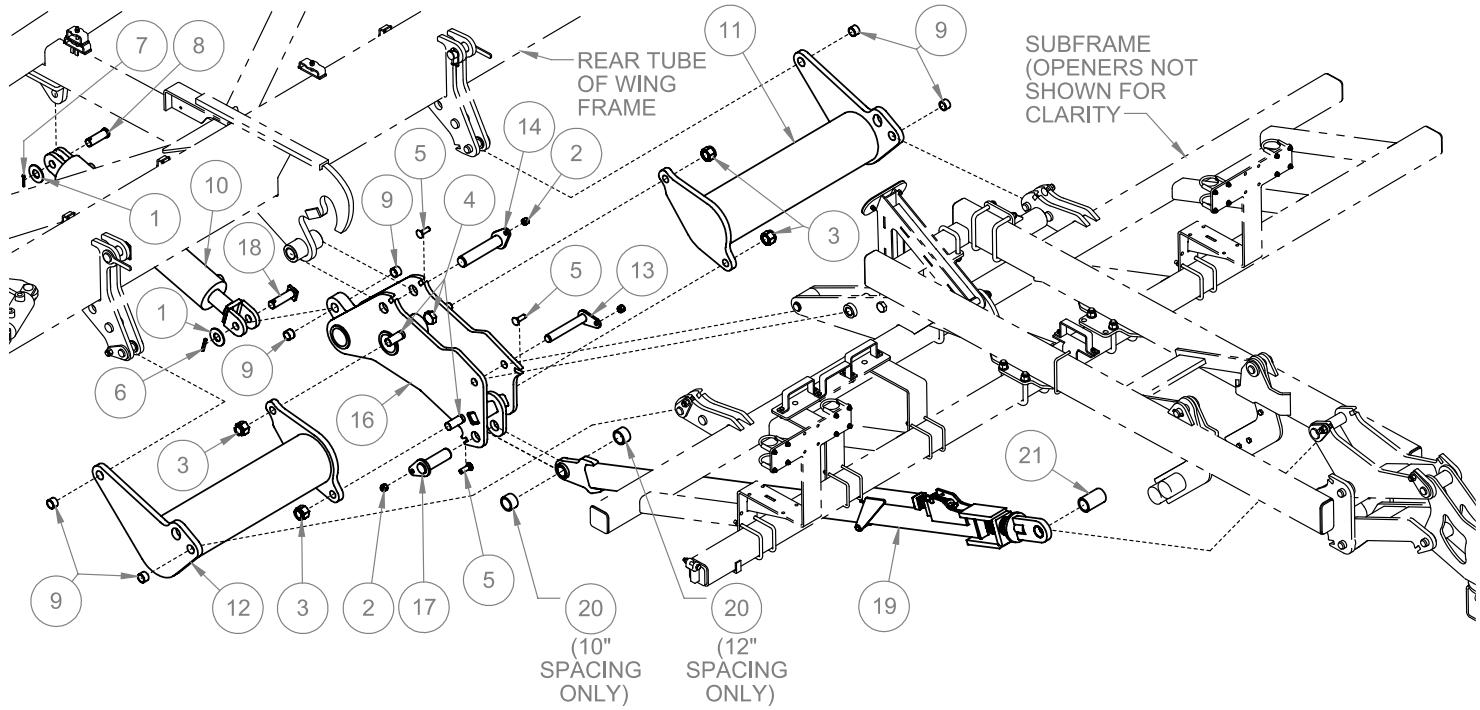
## 2.36 Control Arm & Offset Pitman Arms, 51' & Inner 71' Wings

(700-1805; 700-1452 & 700-1453)

51' & INNER 71' LH WING, WITH OFFSET PITMAN ARM (700-1452)



51' & INNER 71' RH WING, WITH OFFSET PITMAN ARM (700-1453)



# Parts Manual

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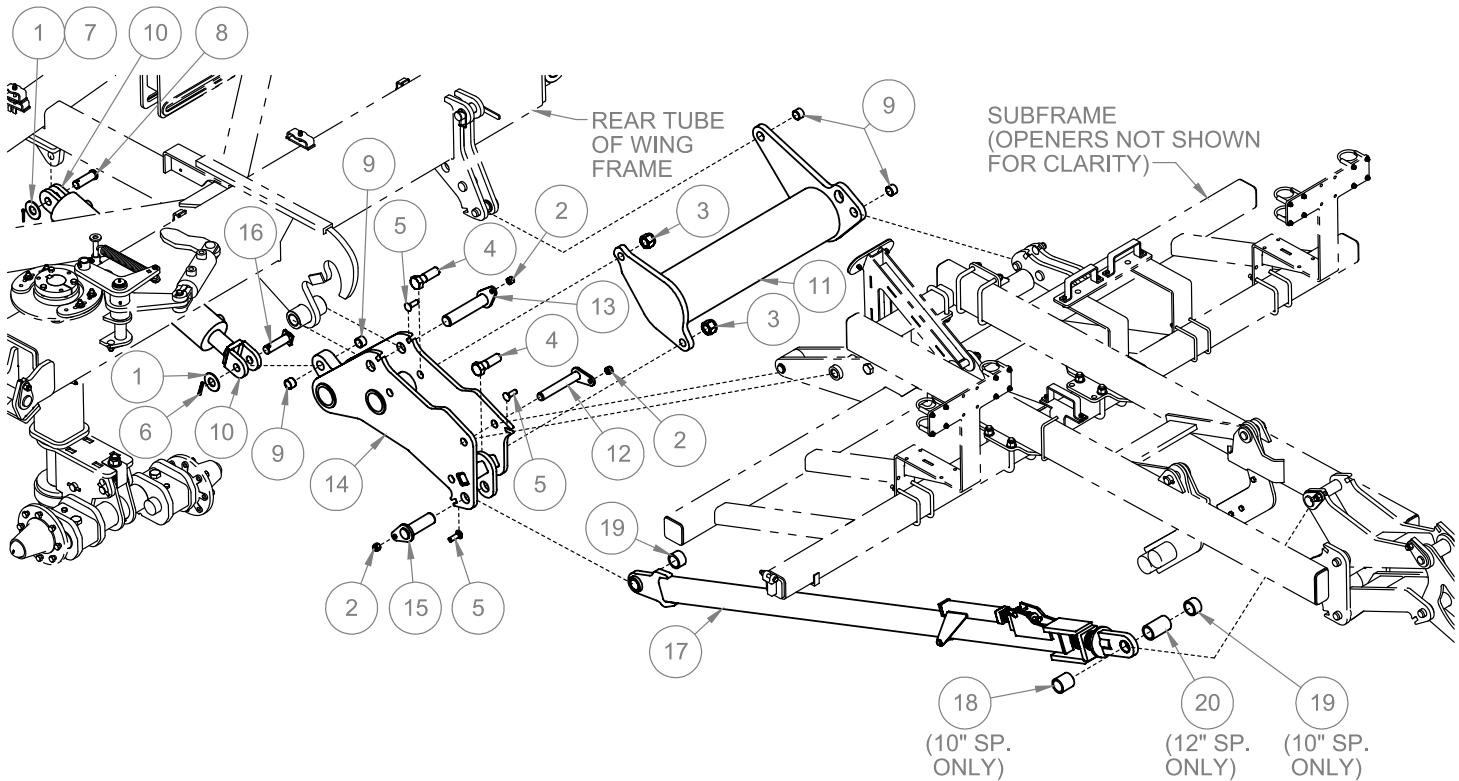
## *Control Arm & Offset Pitman Arms, 51' & Inner 71' Wings*

ITEM NO.	PART NUMBER	DESCRIPTION	LH WING QTY	RH WING QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	4	4
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	4	4
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3	3
6	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1	1
7	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1	1
8	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	1	1
9	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	6	6
10	212-164	5" BORE x 28" STROKE, Ram Part No. R4508599	1	1
11	700-1443	WING TORQUE TUBE, RH	1	1
12	700-1442	WING TORQUE TUBE, LH	1	1
13	700-1447	SMALL DIA. PITMAN PIN	1	1
14	700-1451	PITMAN PIN, LARGE DIA.	1	1
15	700-1452	PITMAN ARM, RH OFFSET	1	-
16	700-1453	PITMAN ARM, LH OFFSET	-	1
17	700-1454	PITMAN PIN, SUB-PLATE	1	1
18	700-1644	CYLINDER PIN, SQUARE HEAD	1	1
19	700-1805A	WING REAR CASTER CONTROL ARM ASSY	1	1
20	700-1910	ARM SPACER, OUTER WING B	1	1
21	700-1934	ARM SPACER, OFFSET, REAR E	1	1

# Parts Manual

## 2.37 Control Arm & Pitman Arm, Inner 61' Wings, LH

(700-1805 & 700-1453)



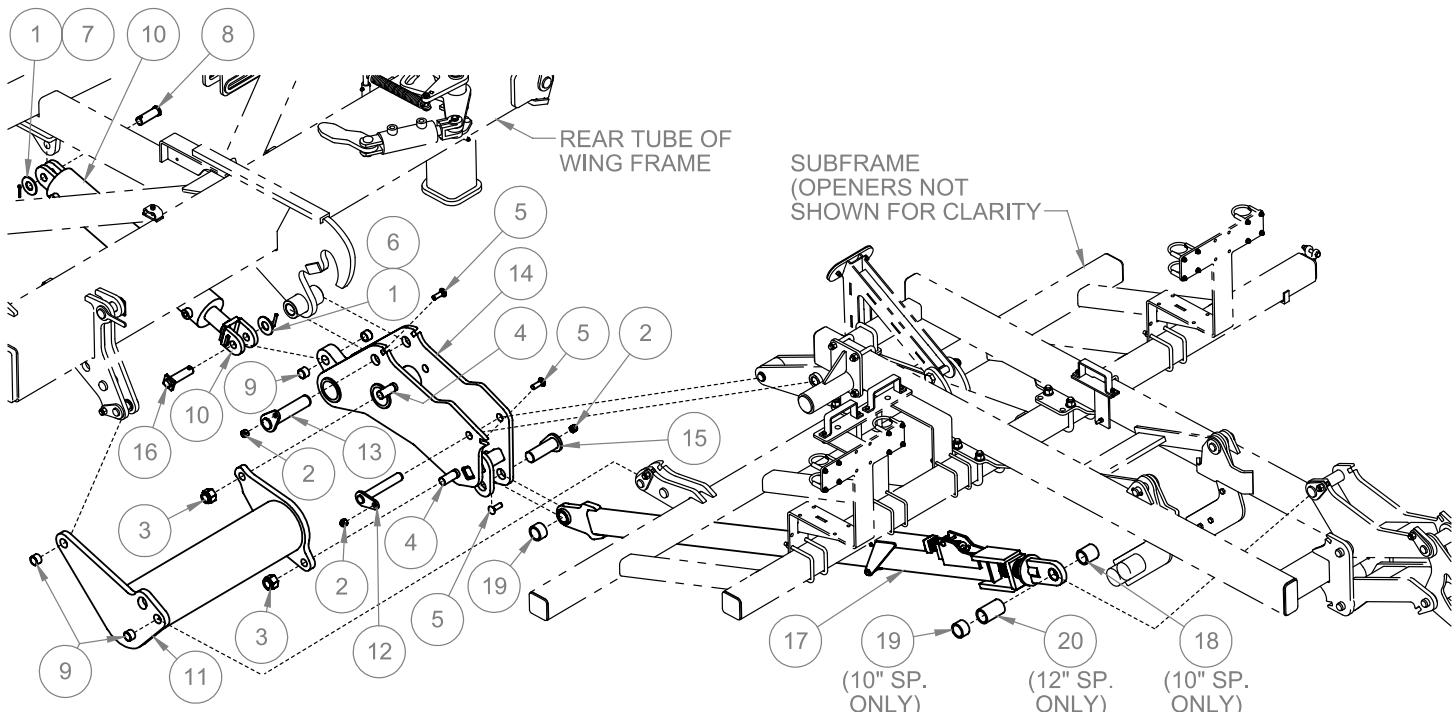
### Control Arm & Pitman Arm, Inner 61' Wings, LH

ITEM NO.	PART NUMBER	DESCRIPTION	10" SP. QTY	12" SP. QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	2	2
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	2	2
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3	3
6	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1	1
7	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1	1
8	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	1	1
9	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	4	4
10	212-164	5" BORE x 28" STROKE, Ram Part No. R4508599	1	1
11	700-1443	WING TORQUE TUBE, RH	1	1
12	700-1447	SMALL DIA. PITMAN PIN	1	1
13	700-1451	PITMAN PIN, LARGE DIA.	1	1
14	700-1453	PITMAN ARM, LH OFFSET	1	1
15	700-1454	PITMAN PIN, SUB-PLATE	1	1
16	700-1644	CYLINDER PIN, SQUARE HEAD	1	1
17	700-1805A	WING REAR CASTER CONTROL ARM ASSY	1	1
18	700-1909	ARM SPACER, OUTER WING A	1	-
19	700-1910	ARM SPACER, OUTER WING B	2	1
20	700-1934	ARM SPACER, OFFSET, REAR E	-	1

# Parts Manual

## 2.38 Control Arm & Pitman Arm, Inner 61' Wings, RH

(700-1805 & 700-1452)



*Control Arm & Pitman Arm, Inner 61' Wings, RH*

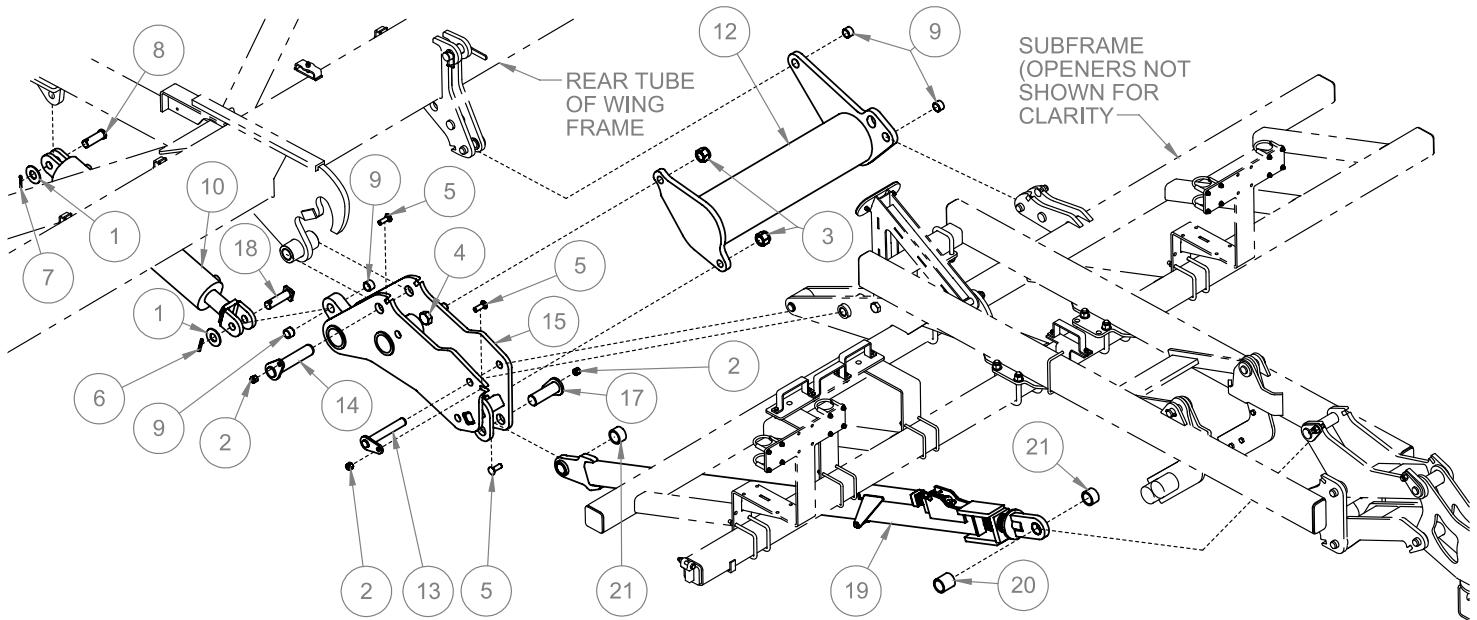
ITEM NO.	PART NUMBER	DESCRIPTION	10" SP. QTY	12" SP. QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	2	2
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	2	2
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3	3
6	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1	1
7	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1	1
8	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	1	1
9	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	4	4
10	212-164	5" BORE x 28" STROKE, Ram Part No. R4508599	1	1
11	700-1442	WING TORQUE TUBE, LH	1	1
12	700-1447	SMALL DIA. PITMAN PIN	1	1
13	700-1451	PITMAN PIN, LARGE DIA.	1	1
14	700-1452	PITMAN ARM, RH OFFSET	1	1
15	700-1454	PITMAN PIN, SUB-PLATE	1	1
16	700-1644	CYLINDER PIN, SQUARE HEAD	1	1
17	700-1805A	WING REAR CASTER CONTROL ARM ASSY	1	1
18	700-1909	ARM SPACER, OUTER WING A	1	-
19	700-1910	ARM SPACER, OUTER WING B	2	1
20	700-1934	ARM SPACER, OFFSET, REAR E	-	1

# Parts Manual

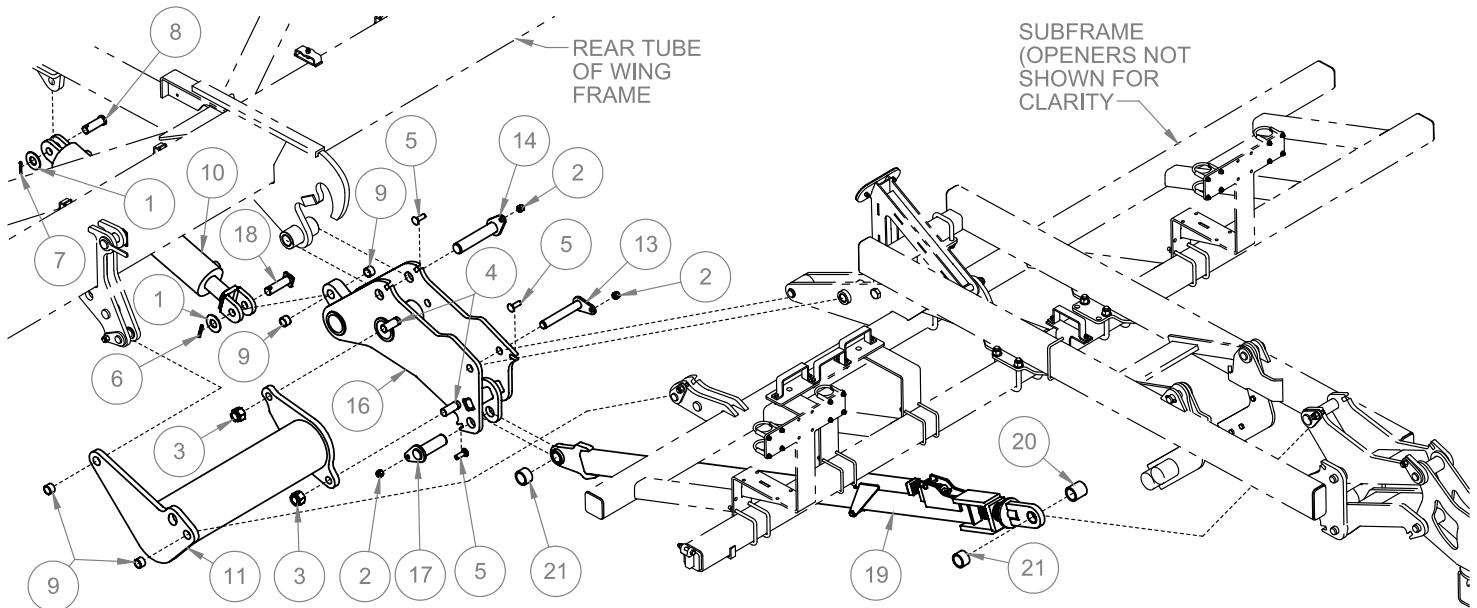
## 2.39 Control Arm & Pitman Arms, Outer 61' & 71' Wings

(700-1805 & 700-1452 & 700-1453)

OUTER 61' & 71' LH WING



OUTER 61' & 71' RH WING



# Parts Manual

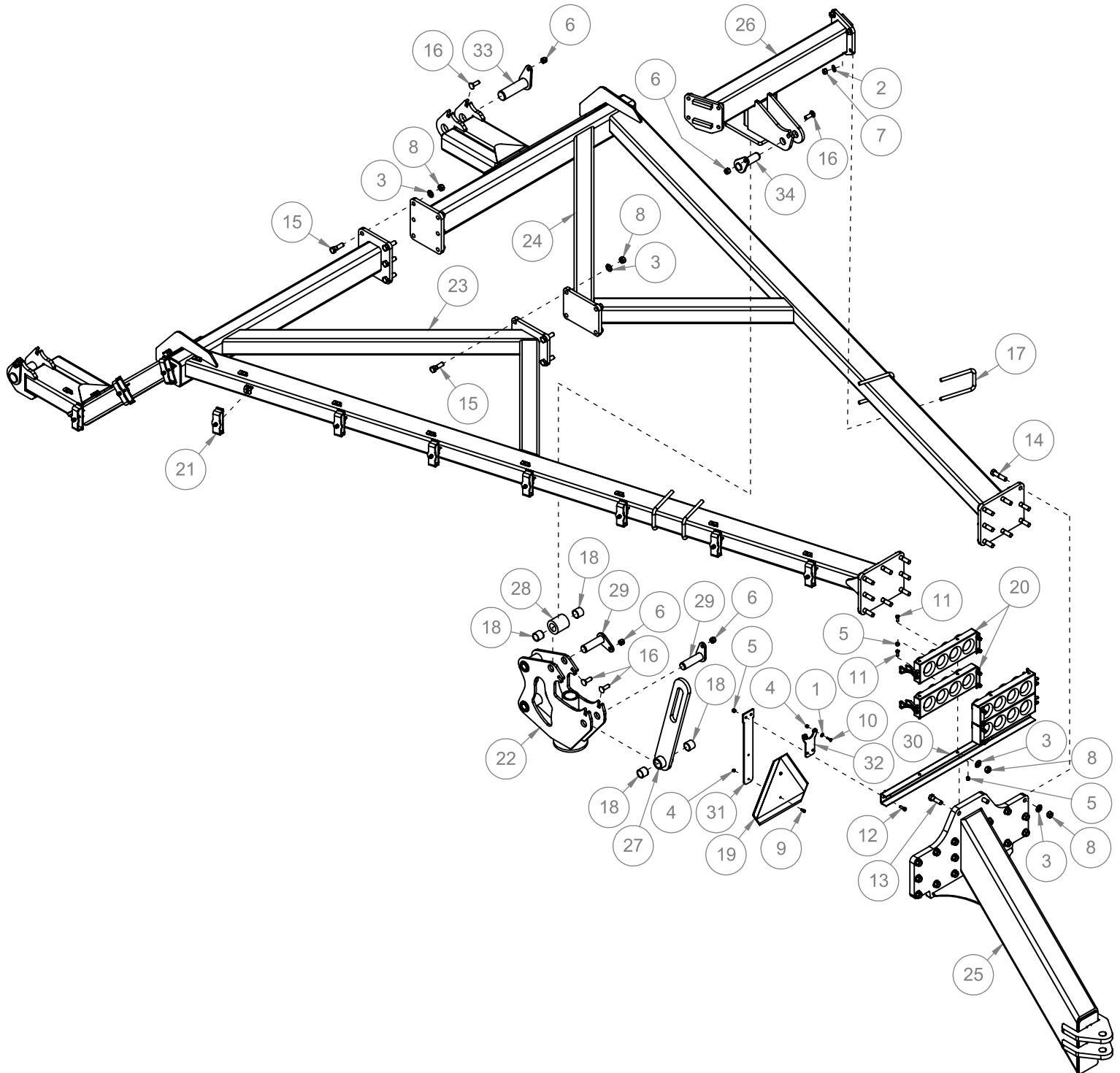
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## *Control Arm & Pitman Arms, Outer 61' & 71' Wings*

ITEM NO.	PART NUMBER	DESCRIPTION	LH WING QTY	RH WING QTY
1	101-012	WASHER, 1-1/4 PLATED USS	2	2
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	3
3	115-037	LOCKNUT, 1-1/4" UNF NYL INS GR 8 YZ	2	2
4	140-314	BOLT, 1-1/4 X 4 UNF GR8 PLATED	2	2
5	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	3	3
6	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1	1
7	170-079	COTTER PIN, 1/4 X 1-1/2 PLATED	1	1
8	170-085	PIN, CLEVIS 1-1/4 x 3-3/4" GR2 YZ	1	1
9	206-506	BUSHING, igus TX1SI-2024-16, 1-1/4" ID x 1-1/2" OD X 1" LG	4	4
10	212-164	5" BORE x 28" STROKE, Ram Part No. R4508599	1	1
11	700-1442	WING TORQUE TUBE, LH	-	1
12	700-1443	WING TORQUE TUBE, RH	1	-
13	700-1447	SMALL DIA. PITMAN PIN	1	1
14	700-1451	PITMAN PIN, LARGE DIA.	1	1
15	700-1452	PITMAN ARM, RH OFFSET	1	-
16	700-1453	PITMAN ARM, LH OFFSET	-	1
17	700-1454	PITMAN PIN, SUB-PLATE	1	1
18	700-1644	CYLINDER PIN, SQUARE HEAD	1	1
19	700-1805A	WING REAR CASTER CONTROL ARM ASSY	1	1
20	700-1909	ARM SPACER, OUTER WING A	1	1
21	700-1910	ARM SPACER, OUTER WING B	2	2

# Parts Manual

## 2.40 Rear Hitch



# Parts Manual

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## *Rear Hitch*

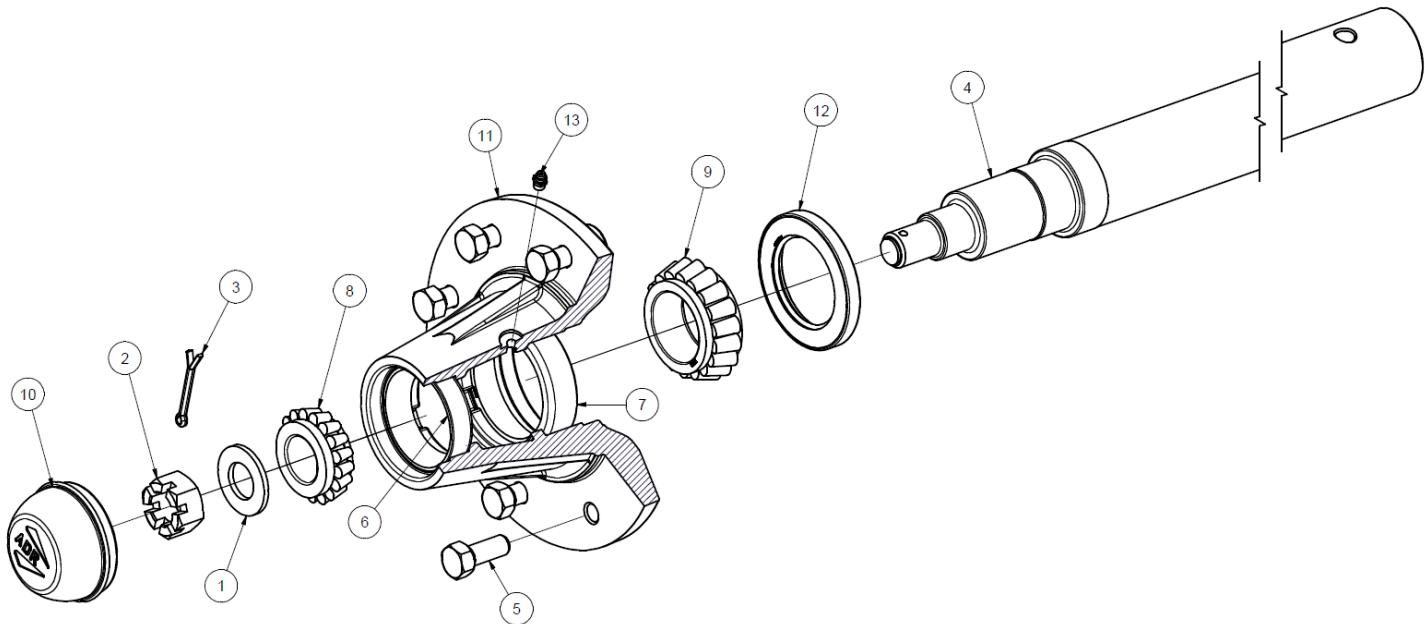
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	101-001	WASHER, 1/4 PLATED ASME WIDE	2
2	102-007	WASHER, 5/8 PLATED SAE	8
3	102-008	WASHER, 3/4 PLATED SAE	28
4	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	4
5	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	10
6	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	5
7	118-007	STOVER NUT, 5/8 UNC GR 2 PLATED	8
8	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	28
9	125-001	BOLT, 1/4 X 3/4 UNC GR5 PLATED	2
10	125-002	BOLT, 1/4 X 1 UNC GR5 PLATED	2
11	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	8
12	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	2
13	125-182	BOLT, 3/4 X 2-1/2 UNC GR5 PLATED	2
14	125-185	BOLT, 3/4 X 3-1/4 UNC GR5 PLATED	16
15	130-182	BOLT, 3/4 X 2-1/2 UNC GR8 PLATED	10
16	145-156	CARR. BOLT, 5/8 X 2 UNC GR5 PLATED	5
17	165-029	U-BOLT, 5/8 X 4-1/8 W X 7-1/2 H, UNC GR5 PLATED	4
18	206-519	BUSHING, igus Q2SI-2428-24, 1-1/2" ID x 1-3/4" OD X 1-1/2" LG	4
19	210-055	SMV SIGN, 22 GA GALVANIZED	1
20	212-034	SS Quick Conn 4 x 2.5", Raycol P/N QC 463 SS	4
21	600-1065	HOSE CLAMP KIT, 1-1/4" X 5"	10
22	700-1820	REAR CASTER PIVOT MOUNT, CENTER	1
23	700-2409	TBH HITCH ARM, LH	1
24	700-2410	TBH HITCH ARM, RH	1
25	700-2411	TBH HITCH TONGUE	1
26	700-2412	ROLLER BEAM	1
27	700-2413	TBH HITCH LINK	1
28	700-2439	ROLLER, REAR HITCH	1
29	700-2440	REAR HITCH CASTER PIN	2
30	700-2441	CHANNEL MOUNT, REAR HITCH	1
31	700-2442	MOUNT, SLOW MOVING VEHICLE SIGN	1
32	700-2443	MOUNT, LIGHT PLUG	1
33	700-2448	TBH HITCH MOUNT PIN	2
34	700-2449	TBH HITCH LINK SLOT PIN	1

# Parts Manual

## 3 Parts Diagrams: Sub-Assemblies

### 3.1 Wheel Hub - 6000 lb

(212-106: COMPLETE ADR 8-BOLT 6,000 lb HUB ASSY, STANDARD SPINDLE)



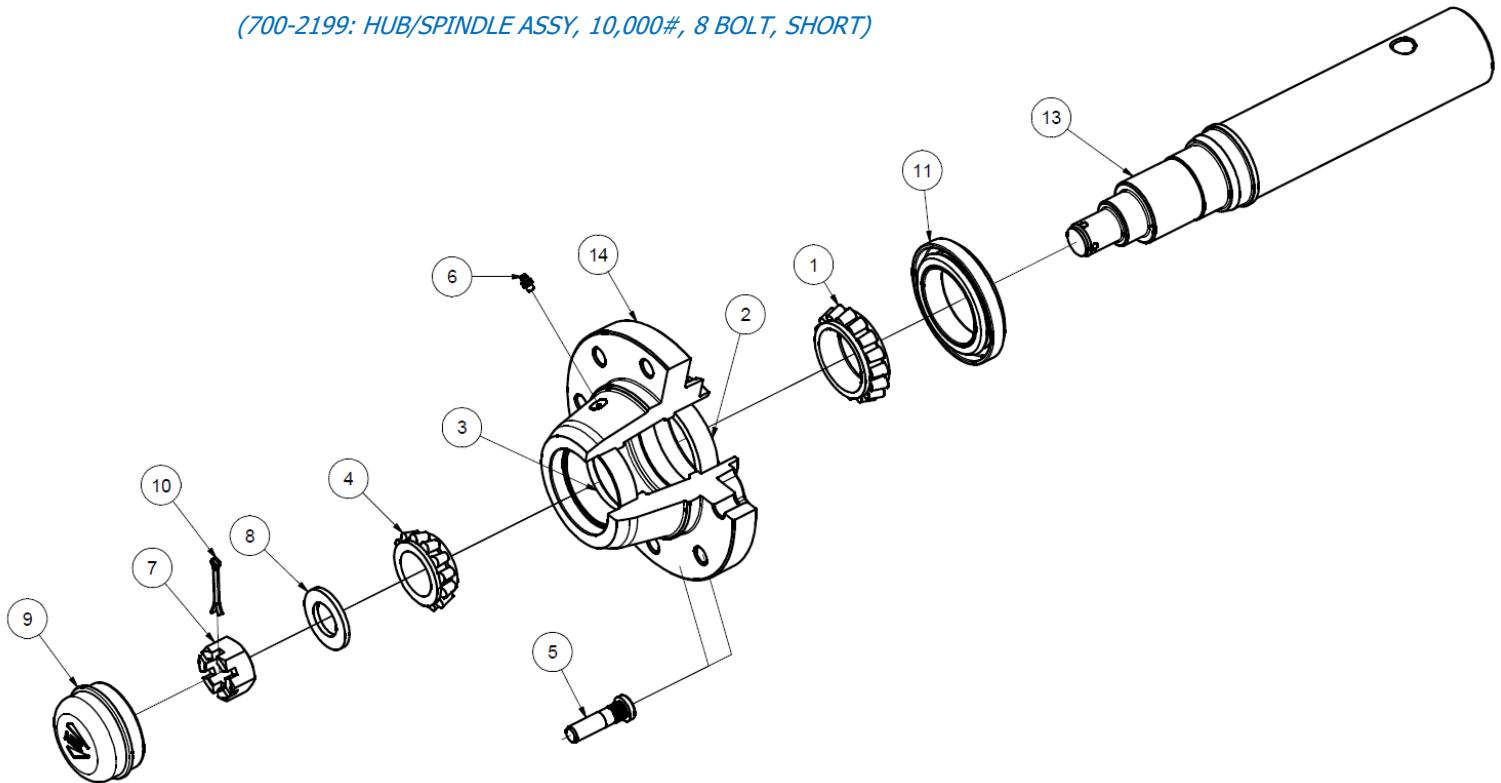
Wheel Hub - 6000 lb

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
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	SPINDLE, STANDARD (HUB FLANGE FACE TO SHAFT END = 8-7/8")	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

## 3.2 Wheel Hub - 10,000 lb

(700-2199: HUB/SPINDLE ASSY, 10,000#, 8 BOLT, SHORT)



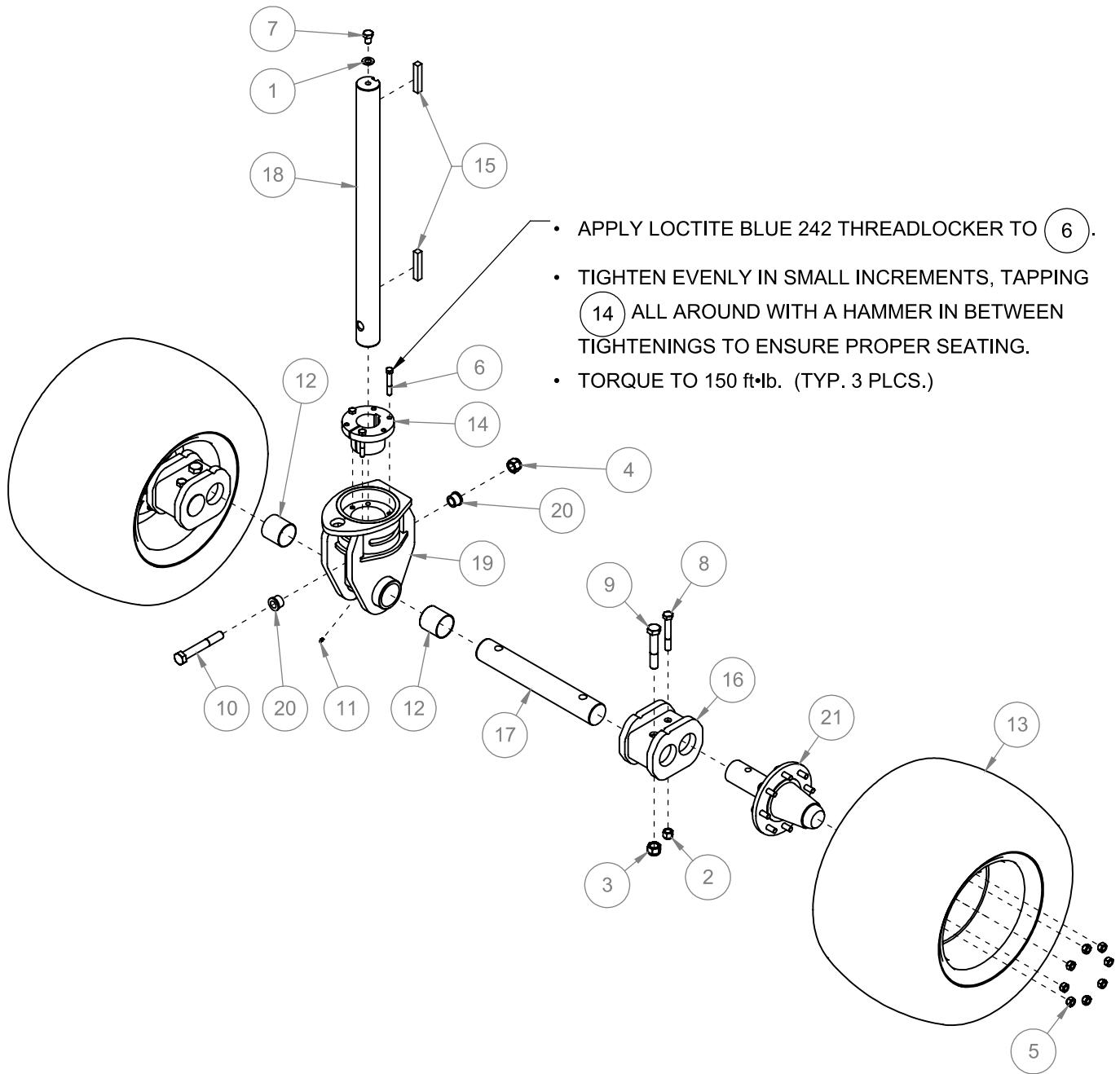
*Wheel Hub - 10,000 lb*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
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	700-2199-01	EXTENDED SPINDLE 212-158-01, CUT DOWN (HUB FLANGE FACE TO SHAFT END = 9")	1
14	212-105	ADR 8-BOLT 10,000 lb HUB, 61LZM1002	1

# Parts Manual

## 3.3 Wheels, Static Center Front

(700-2016A)



# Parts Manual

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## *Wheels, Static Center*

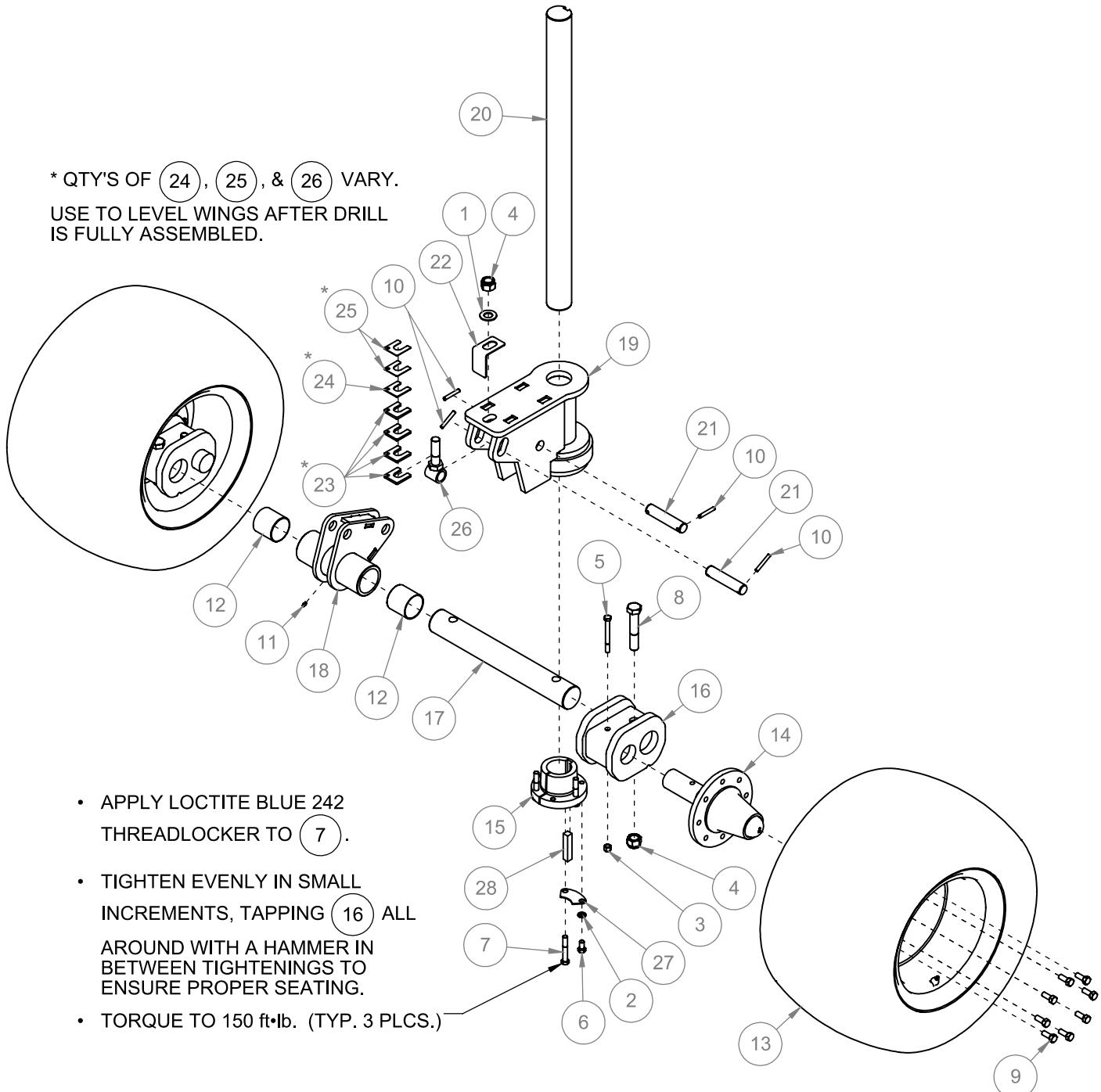
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER, 3/4 PLATED SAE	1
2	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	2
3	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	2
4	115-010	LOCKNUT, 1" UNF NYL INS GR 2 YZ	1
5	123-003	NUT, WHEEL 5/8-18 UNF	16
6	125-136	BOLT, 9/16 X 3-1/2 UNC GR5 PLATED	3
7	125-176	BOLT, 3/4 X 1 UNC GR5 PLATED	1
8	125-192	BOLT, 3/4 X 5 UNC GR5 PLATED	2
9	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	2
10	140-258	BOLT, 1 X 7 UNF GR8 PLATED	1
11	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
12	206-505	BUSHING, igus QSI-4851-48, 3" ID x 3-3/16" OD x 3" LG	2
13	208-030	TIRE ASSY, 480/45-17 TL, 146A8	2
14	212-254	DODGE QD BUSHING, F, 3in, P/N 120563	1
15	700-1932	KEY, STATIC CENTER WHEELS	2
16	700-2013	CENTER WHEEL WALKING BOX	2
17	700-2014	CENTER WALKING AXLE	1
18	700-2015	STATIC CENTER WHEEL PIN	1
19	700-2016	ZERO TRAIL CENTER AXLE	1
20	700-2023	STEP WASHER	2
21	700-2199	HUB/SPINDLE ASSY, 10,000#, 8 BOLT, SHORT	2

# Parts Manual

## 3.4 Wheels, Wing Front Caster

(700-1853A)

\* QTY'S OF (24), (25), & (26) VARY.  
USE TO LEVEL WINGS AFTER DRILL IS FULLY ASSEMBLED.



# Parts Manual

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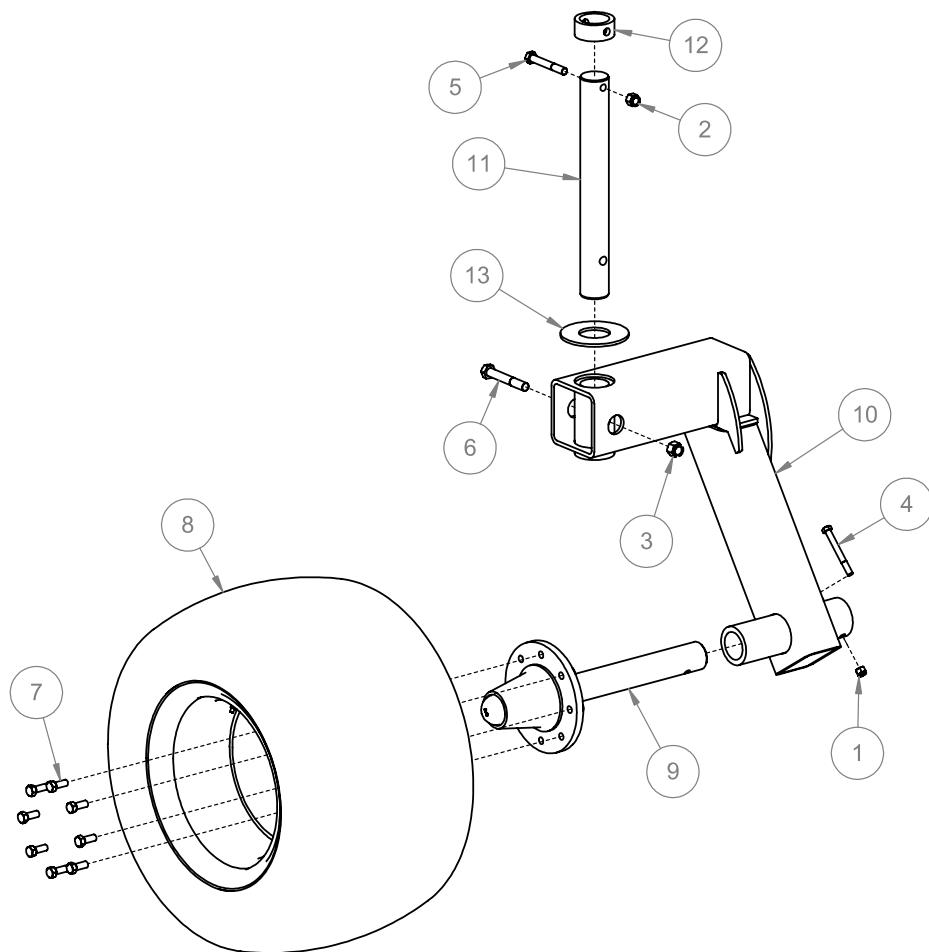
## *Wheels, Wing Front Caster*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-010	WASHER, 1 PLATED SAE	1
2	103-006	WASHER, 9/16 SPLIT LOCK GR2 PLATED	1
3	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	2
4	114-010	LOCKNUT, 1" UNC NYL INS GR 2 YZ	3
5	125-116	BOLT, 1/2 X 4-3/4 UNC GR5 PLATED	2
6	125-126	BOLT, 9/16 X 1 UNC GR5 PLATED	1
7	125-136	BOLT, 9/16 X 3-1/2 UNC GR5 PLATED	3
8	125-252	BOLT, 1 X 5-1/2 UNC GR5 PLATED	2
9	165-002	BOLT, WHEEL 9/16-18 UNF	16
10	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	4
11	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1
12	206-505	BUSHING, igus QSI-4851-48, 3" ID x 3-3/16" OD x 3" LG	2
13	208-030	TIRE ASSY, 480/45-17 TL, 146A8	2
14	212-106	COMPLETE ADR 8-BOLT 6,000 lb HUB ASSY, STANDARD SPINDLE	2
15	212-254	DODGE QD BUSHING, F, 3in, P/N 120563	1
16	700-1850	WING WHEEL WALKING BOX	2
17	700-1851	WING WALKING AXLE	1
18	700-1852	WING AXLE LEG WELDMENT	1
19	700-1853	WING CASTER ARM, TAPERED BUSHING	1
20	700-1854	WING CASTER PIN	1
21	700-1917	CASTER STEM PIN	2
22	700-1920	HEIGHT SHIM KEEPER	1
23	700-1921	CASTER HEIGHT SHIM, 1/4"	4
24	700-1922	CASTER HEIGHT SHIM, 11 GA.	1
25	700-1923	CASTER HEIGHT SHIM, 16 GA.	2
26	700-1924	SHIM CLAMP	1
27	700-1925	KEY KEEPER	1
28	700-1931	KEY, WING CASTERS	1

# Parts Manual

## 3.5 Wheel, Rear Caster

(700-1823A)



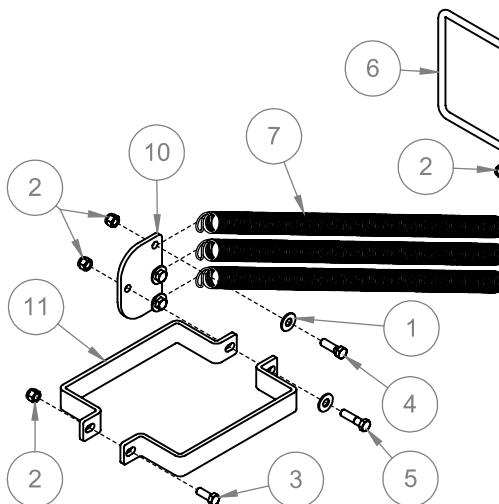
*Wheel, Rear Caster*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1
2	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1
3	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1
4	125-115	BOLT, 1/2 X 4-1/2 UNC GR5 PLATED	1
5	125-165	BOLT, 5/8 X 4-1/2 UNC GR5 PLATED	1
6	130-192	BOLT, 3/4 X 5 UNC GR8 PLATED	1
7	165-002	BOLT, WHEEL 9/16-18 UNF	8
8	208-030	TIRE ASSY, 480/45-17 TL, 146A8	1
9	212-157	6000# 8-BLT HUB&EXT SPDL ASSM	1
10	700-1823	SINGLE-SIDED REAR CASTER ARM, RH	1
11	700-1824	REAR CASTER PIVOT PIN	1
12	700-1908	CASTER FRAME KEEPER	1
13	700-1916	REAR CASTER WEAR SURFACE	1

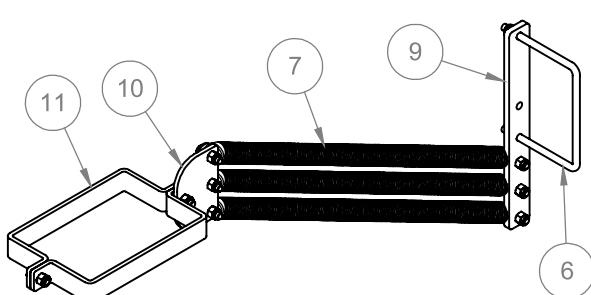
# Parts Manual

## 3.6 Air Hose Guide Spring

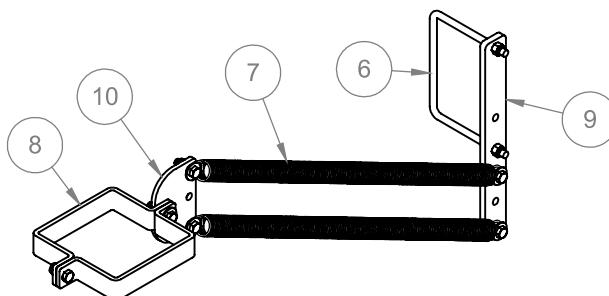
(700-1228A)



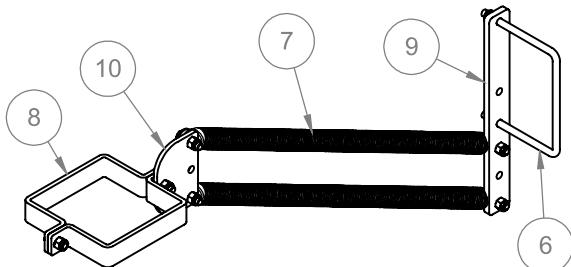
6-HOSE CONFIGURATION (71'), LH WING



6-HOSE CONFIGURATION (71'), RH WING  
(MIRRORED ASSEMBLY)



4-HOSE CONFIGURATION (51'), LH WING



4-HOSE CONFIGURATION (51'), RH WING  
(MIRRORED ASSEMBLY)

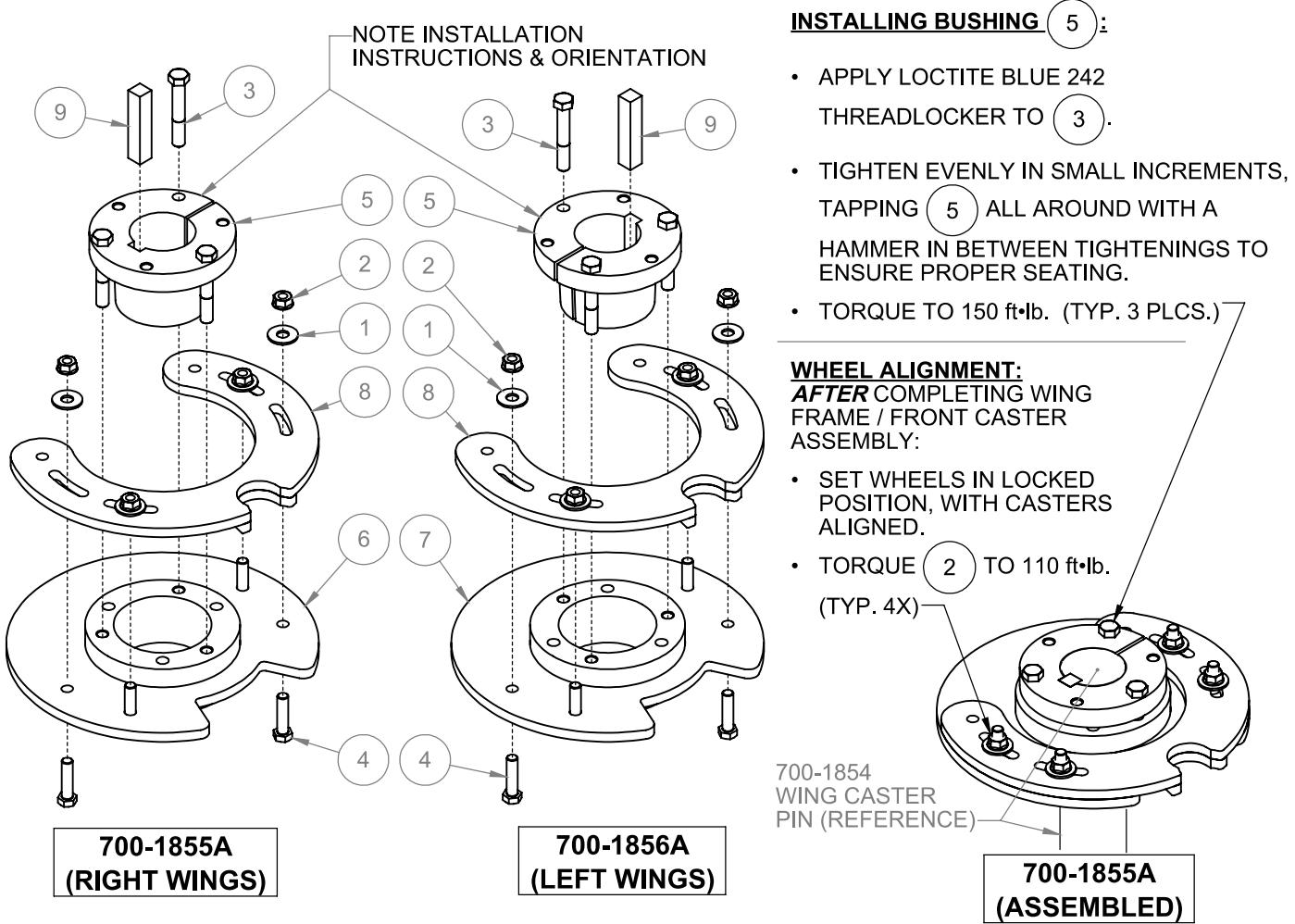
### Air Hose Guide Spring

ITEM NO.	PART NUMBER	DESCRIPTION	6-HOSE QTY (61' & 71')	4-HOSE QTY (51')
1	101-003	WASHER, 3/8 PLATED ASME WIDE	7	5
2	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	10	8
3	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	1	1
4	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	6	4
5	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	1	1
6	185-006	U-BOLT, 3/8 X 6-1/16 W X 5-1/8 H, UNC GR5 PLATED	1	1
7	212-300	SPRING, 1.125" OD x 25.5", F.G. P/N 013-010-060	3	2
8	600-1178	HOSE STRAP	-	2
9	700-1228	SPRING MOUNT BAR	1	1
10	700-1229	SPRING BRACKET	1	1
11	700-1230	STRAP, 3-HOSE	2	-

# Parts Manual

## 3.7 Wing Front Caster Locks

(700-1855A & 700-1856A)

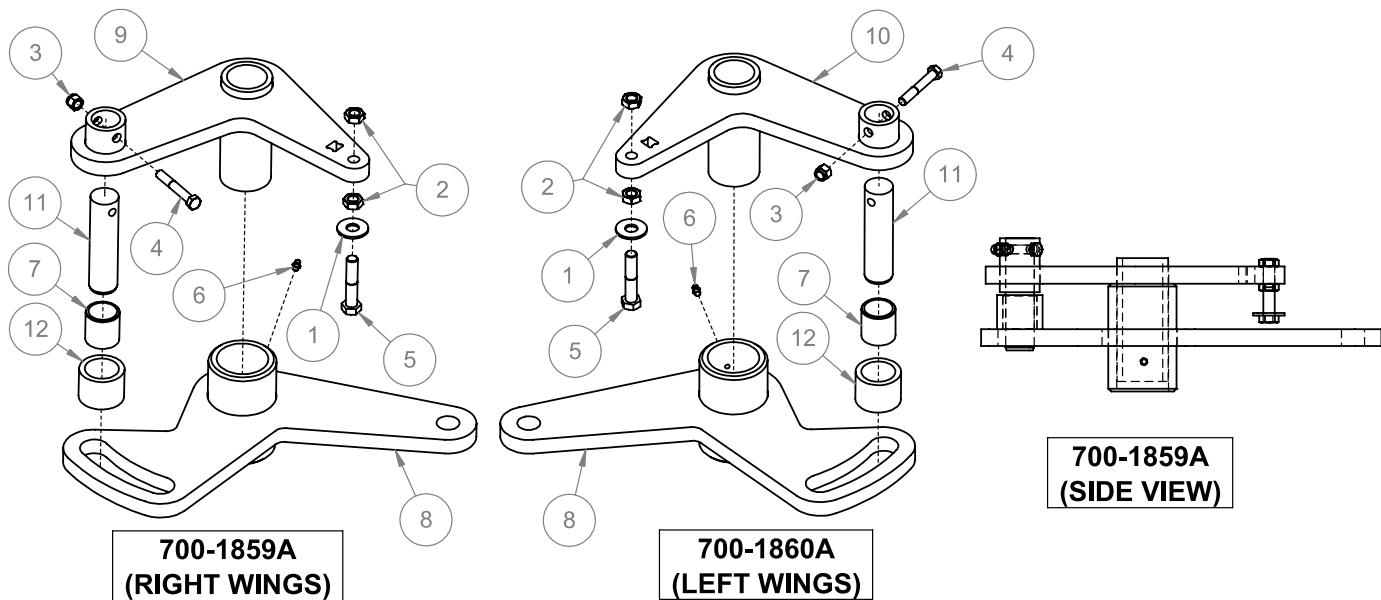


Wing Front Caster Locks				
ITEM NO.	PART NUMBER	DESCRIPTION	700-1855 QTY	700-1856 QTY
1	102-042	WASHER, 1/2" F436 STRUCTURAL FLAT	4	4
2	124-010	LOCKNUT, 1/2" FLANGE, NYLON INSERT	4	4
3	125-136	BOLT, 9/16 X 3-1/2 UNC GR5 PLATED	3	3
4	140-483	CAP SCREW, 1/2 X 2 HEX HD, GR 8	4	4
5	212-254	DODGE QD BUSHING, F, 3in, P/N 120563	1	1
6	700-1855	FRONT WHEEL CAM, LH POCKET	1	-
7	700-1856	FRONT WHEEL CAM, RH POCKET	-	1
8	700-1871	FRONT WHEEL ALIGN WELD	1	1
9	700-1931	KEY, WING CASTERS	1	1

# Parts Manual

## 3.8 Cam Follower Arms

(700-1859A & 700-1860A)



**700-1859A  
(SIDE VIEW)**

Cam Follower Arms				
ITEM NO.	PART NUMBER	DESCRIPTION	700-1859 QTY	700-1860 QTY
1	101-005	WASHER, 1/2 PLATED ASME WIDE	1	1
2	112-005	JAM NUT, 1/2 UNC GR 2 PLATED	2	2
3	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	1	1
4	125-058	BOLT, 3/8 X 2-1/2 UNC GR5 PLATED	1	1
5	125-107	BOLT, 1/2 X 2-1/2 UNC GR5 PLATED	1	1
6	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT	1	1
7	206-502	BUSHING, igus Q2SI-2024-24, 1-1/4" ID x 1-1/2" OD X 1-1/2"	1	1
8	700-1857	CAM LEVER, OUTER WING	1	1
9	700-1859	CAM FOLLOWER ARM, RH	1	-
10	700-1860	CAM FOLLOWER ARM, LH	-	1
11	700-1863	CAM FOLLOWER PIN	1	1
12	700-1864	CAM FOLLOWER	1	1

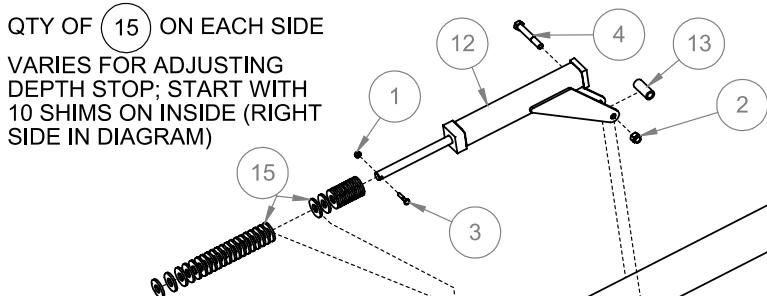
# Parts Manual

## 3.9 Control Arms

(700-1805A & 700-1806A)

QTY OF 15 ON EACH SIDE

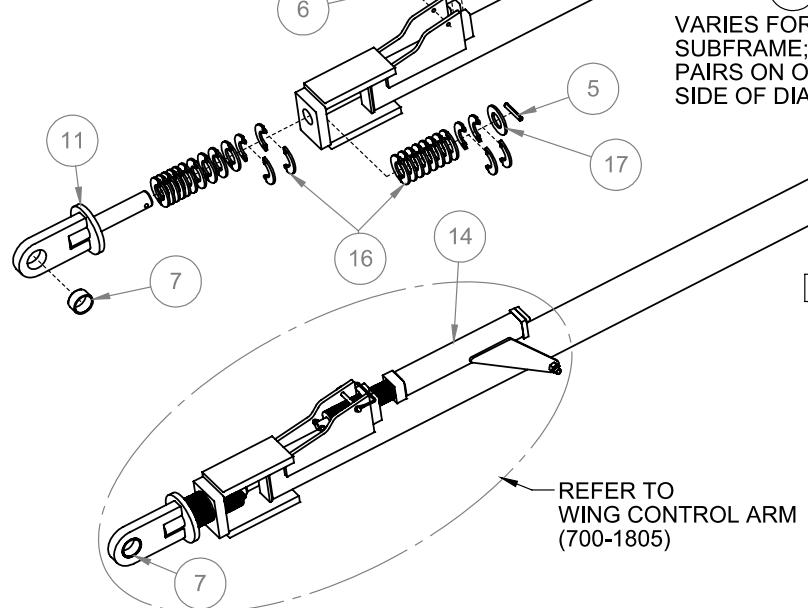
VARIES FOR ADJUSTING DEPTH STOP; START WITH 10 SHIMS ON INSIDE (RIGHT SIDE IN DIAGRAM)



**WING CONTROL ARM**

QTY OF 16 ON EACH SIDE

VARIES FOR LEVELING SUBFRAME; START WITH 12 PAIRS ON OUTSIDE (LEFT SIDE OF DIAGRAM)



**CENTER CONTROL ARM**

REFER TO  
WING CONTROL ARM  
(700-1805)

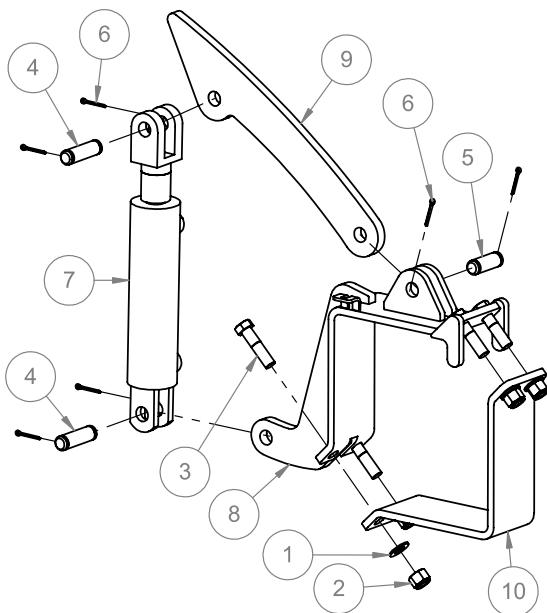
### *Control Arms*

ITEM NO.	PART NUMBER	DESCRIPTION	WING QTY	CTR QTY
1	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1	1
2	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	1	1
3	125-003	BOLT, 1/4 X 1-1/4 UNC GR5 PLATED	1	1
4	130-111	BOLT, 1/2 X 3-1/2 UNC GR8 PLATED	1	1
5	170-028	ROLL PIN, 3/8 X 2-1/2 PLATED	1	1
6	170-191	PIN, 5/16" X 3", DOUBLE WIRE SQUARE SNAP	1	1
7	206-509	BUSHING, igus TX1SI-2832-16, 1-3/4" ID x 2" OD X 1" LG	1	2
8	206-521	BUSHING, igus TX1SI-2832-32, 1-3/4" ID x 2" OD X 2" LG	1	-
9	700-1805	WING REAR CASTER CONTROL ARM	1	-
10	700-1806	CENTER REAR CASTER CONTROL ARM	-	1
11	700-1807	CASTER PARALLEL ADJUSTER	1	1
12	700-1808	ADJUSTABLE DEPTH STOP TUBE	1	-
13	700-1826	DEPTH STOP SPACER	1	1
14	700-1827	ADJUST. DEPTH STOP TUBE, CTR	-	1
15	700-1906	DEPTH STOP SHIM	30	30
16	700-1907	SUBFRAME LEVELING SHIM	44	44
17	700-1933	SUBFRAME LEVELING FULL WASHER	1	1

# Parts Manual

## 3.10 Slow-Close Lever

(700-1034A)

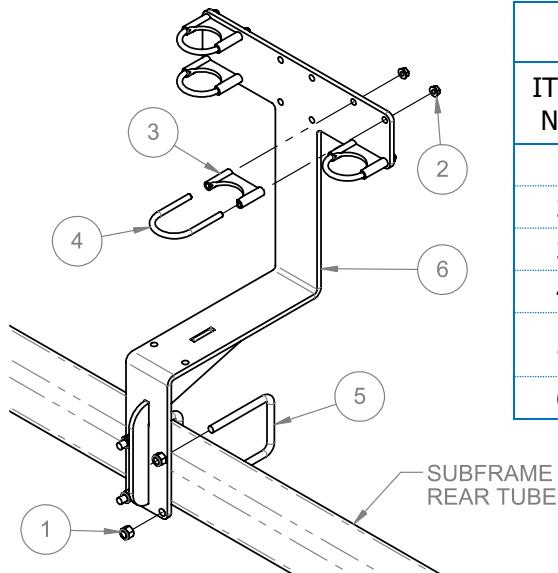


*Slow-Close Lever*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	102-008	WASHER, 3/4 PLATED SAE	4
2	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	4
3	125-184	BOLT, 3/4 X 3 UNC GR5 PLATED	4
4	170-088	PIN, CLEVIS, 1 x 2-7/8" USEABLE LENGTH	2
5	170-089	PIN, CLEVIS, 1 x 2-1/4" USEABLE LENGTH	1
6	170-090	COTTER PIN, 3/16 X 1-1/2 PLATED	6
7	212-161	3" x 8" HYD CYL, RAM P/N: R4508694	1
8	700-1034	SLOW-CLOSE FRAME MOUNT	1
9	700-1035	SLOW-CLOSE LEVER	1
10	700-1037	TUBE CLAMP	1

## 3.11 Offset Header Mount

(700-1648A)



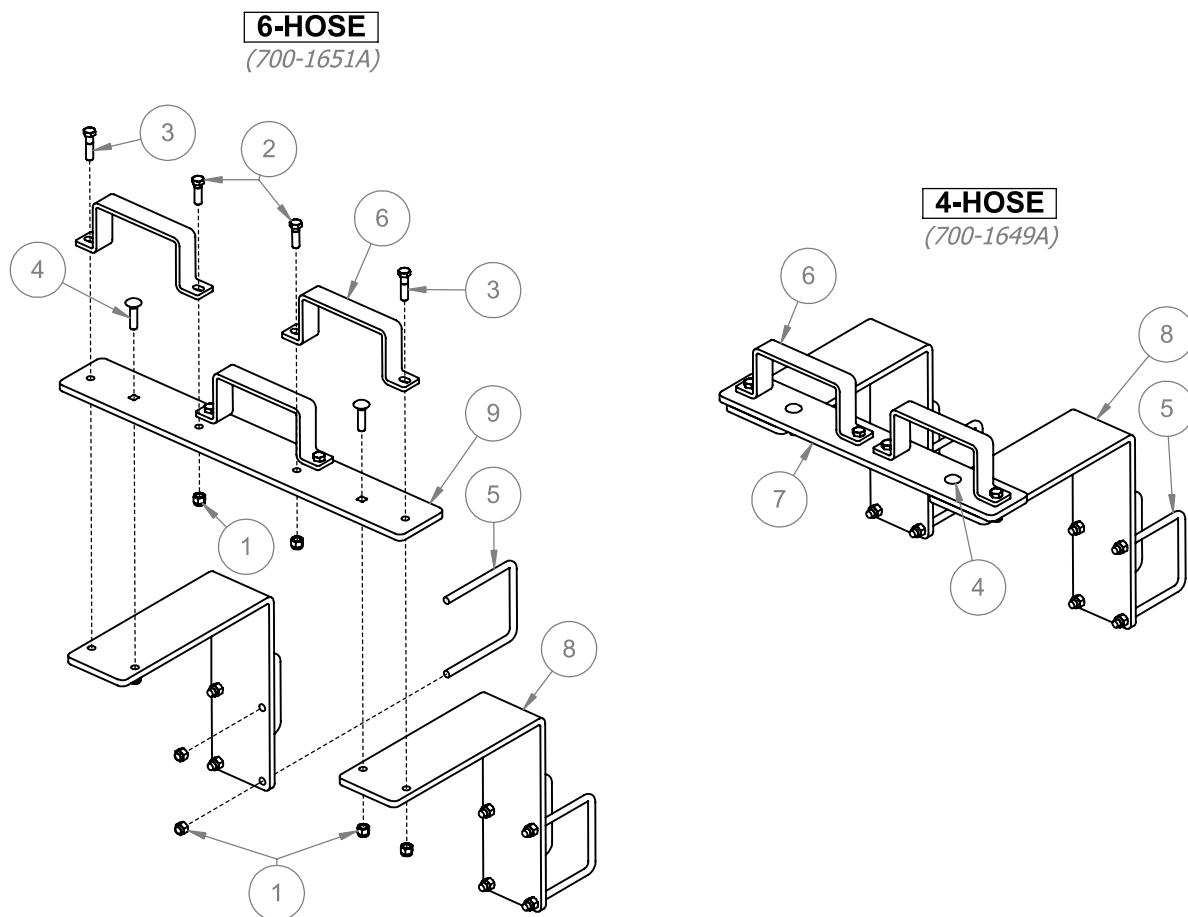
*Header Tower Mount*

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	4
2	124-006	NUT, 3/8" FLANGE, NYLON INSERT	8
3	165-006	MUFFLER CLAMP, 2.625" ID	4
4	165-017	U-BOLT, 3/8-16x2-1/2" B/T x 4IH, ROUND	4
5	185-007	U-BOLT, 1/2 X 4-1/16 W X 5-1/2 H, UNC GR5 PLATED	2
6	700-1648	OFFSET HEADER MOUNT	1

# Parts Manual

## 3.12 Air Hose Stability Mount

(700-1649A & 700-1651A)



### *Air Hose Stability Mount*

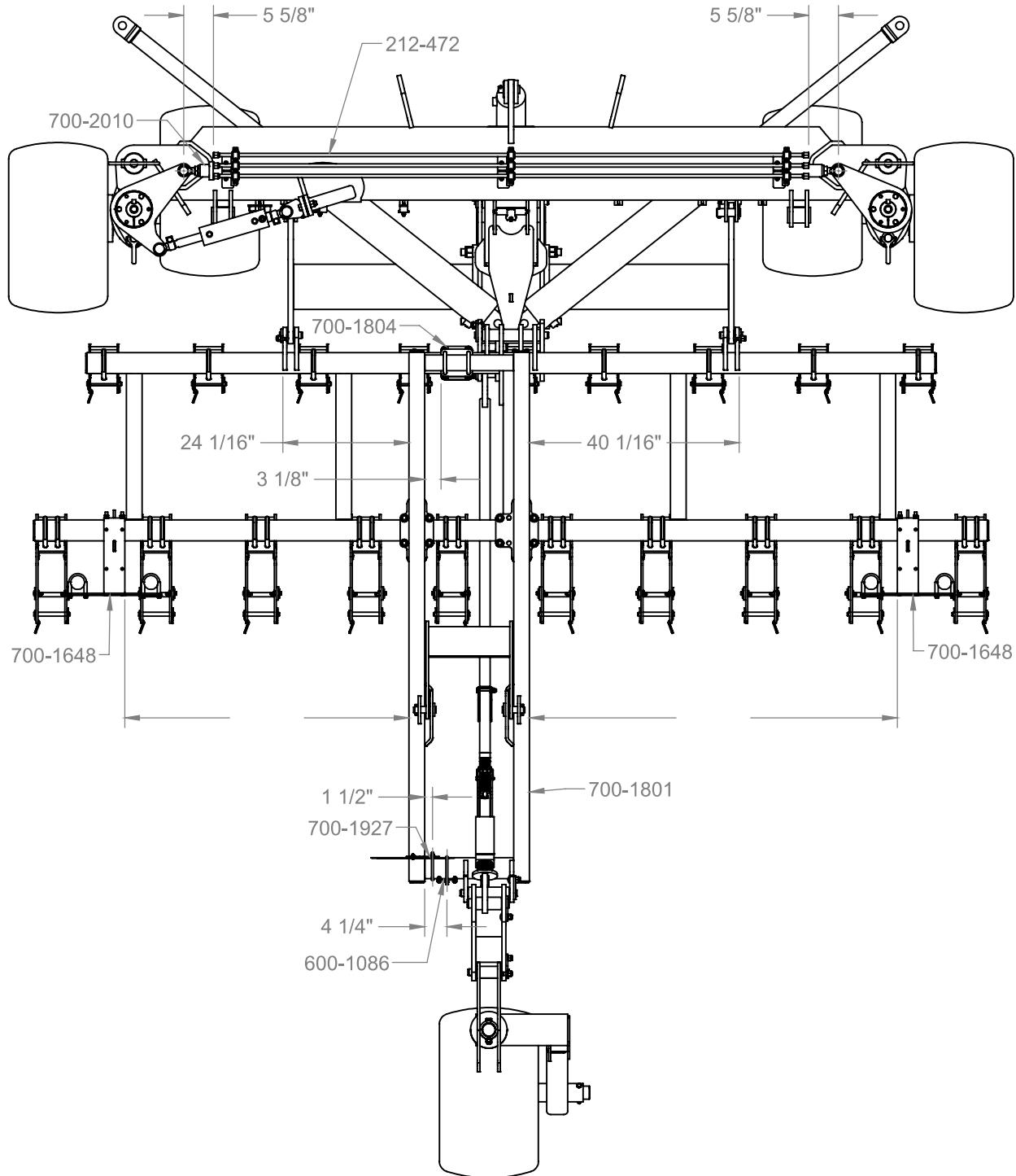
ITEM NO.	PART NUMBER	DESCRIPTION	6-HOSE QTY	4-HOSE QTY
1	114-003	LOCKNUT, 3/8" UNC NYL INS GR 2 YZ	16	14
2	125-053	BOLT, 3/8 X 1-1/4 UNC GR5 PLATED	4	2
3	125-054	BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	2	2
4	145-055	CARR. BOLT, 3/8 X 1-1/2 UNC GR5 PLATED	2	2
5	185-002	U-BOLT, 3/8 X 4-1/16 W X 5-1/16 H, UNC GR5 PLATED	4	4
6	600-1178	HOSE STRAP	3	2
7	700-1649	STABILITY CROSS MNT, 4-HOSE	-	1
8	700-1650	PRIMARY AIR STABILITY MNT	2	2
9	700-1651	STABILITY CROSS MNT, 6-HOSE	1	-

## 4 Positioning of Assemblies

### 4.1 Center Section: Static Center & Subframe

(all configurations)

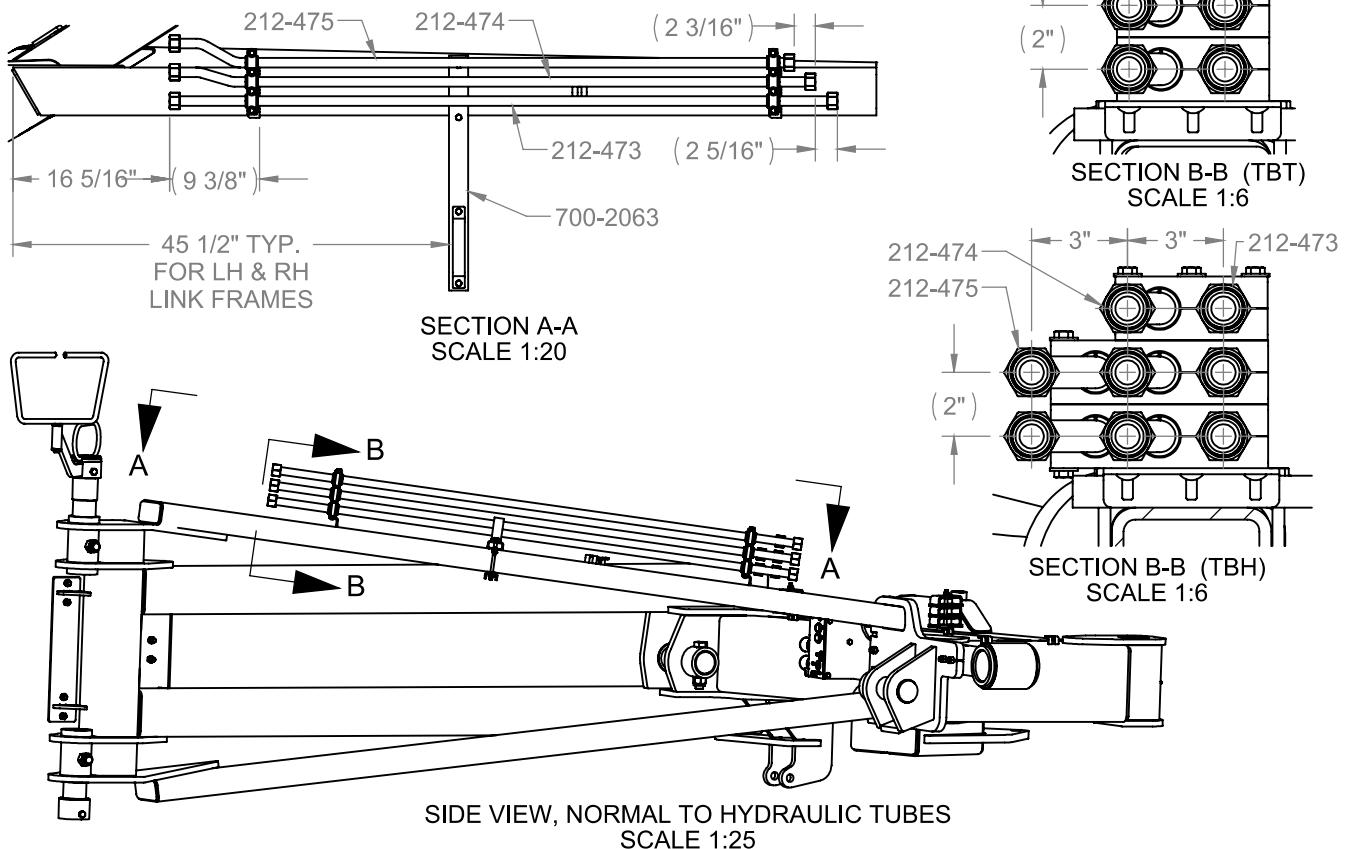
(700-1801; 700-2000; 700-2200, 700-2201, 700-2202, & 700-2203)



# Parts Manual

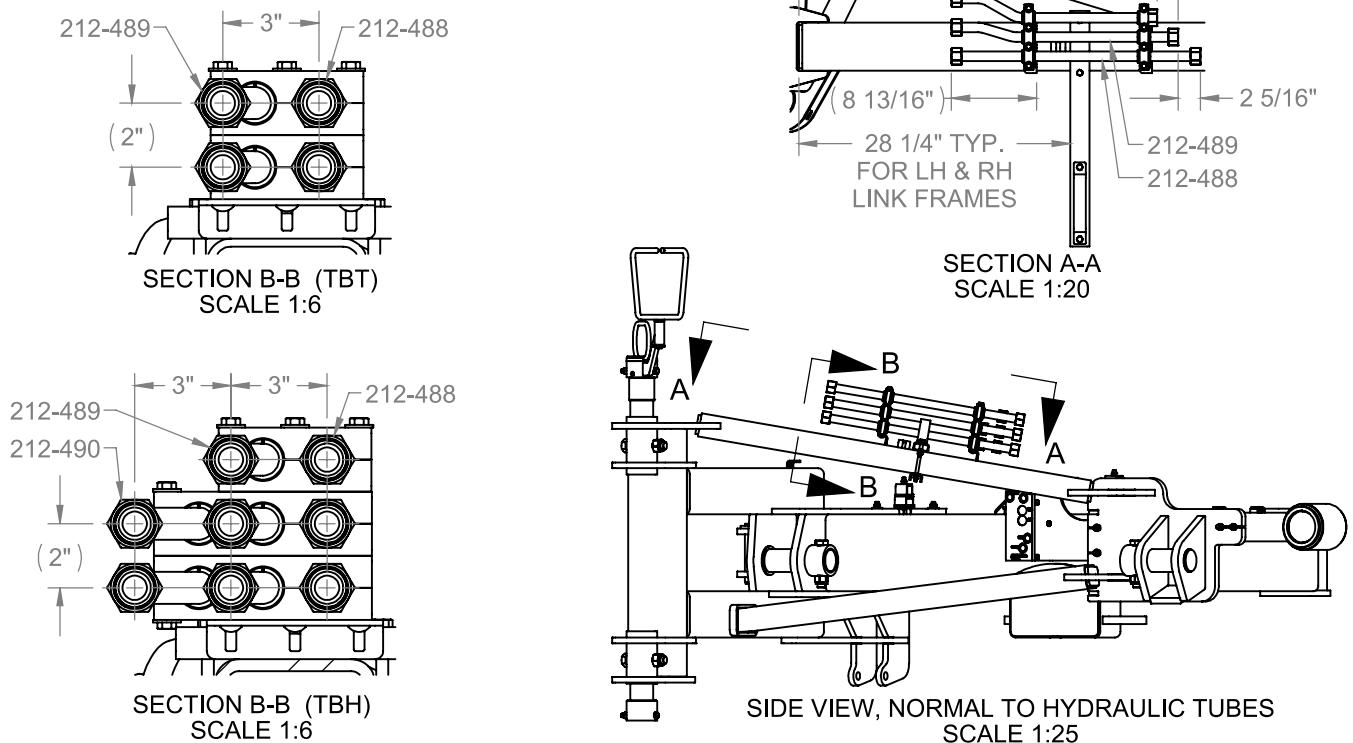
## 4.2 Center Section: Link Frames, 71'

(700-2003 & 700-2004)



## 4.3 Center Section: Link Frames, 51' & 61'

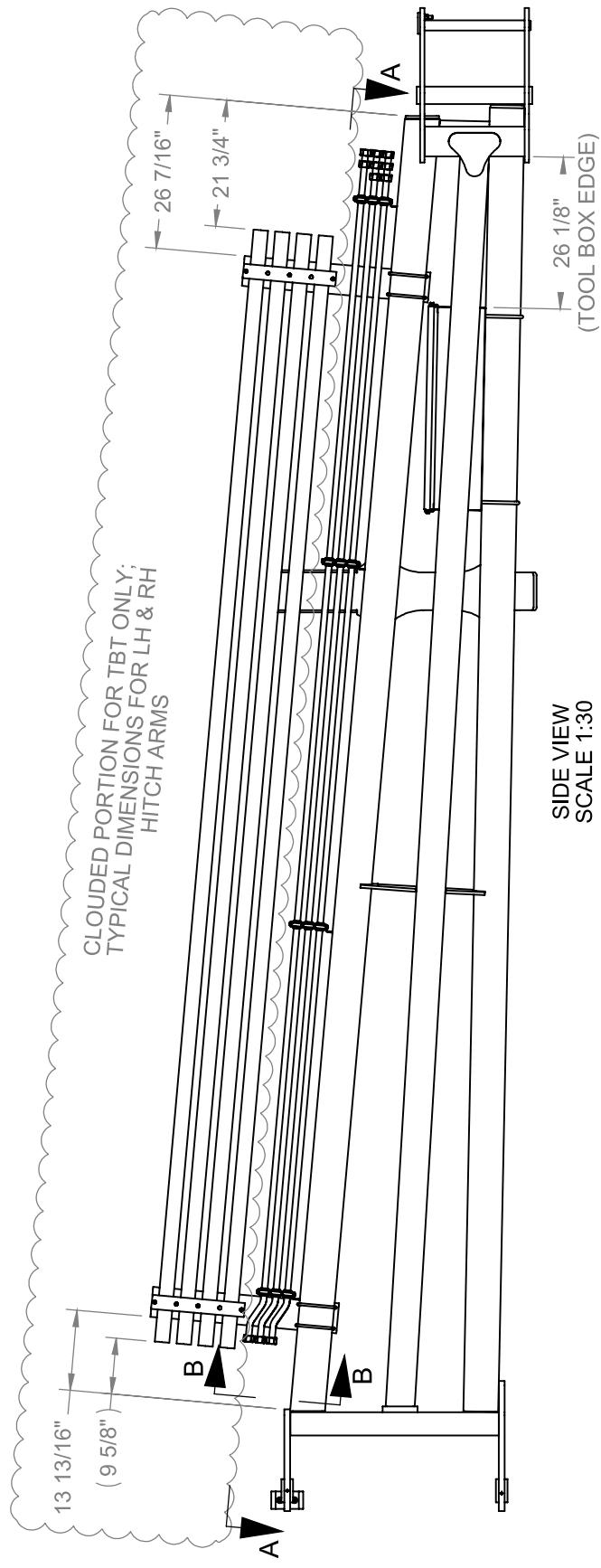
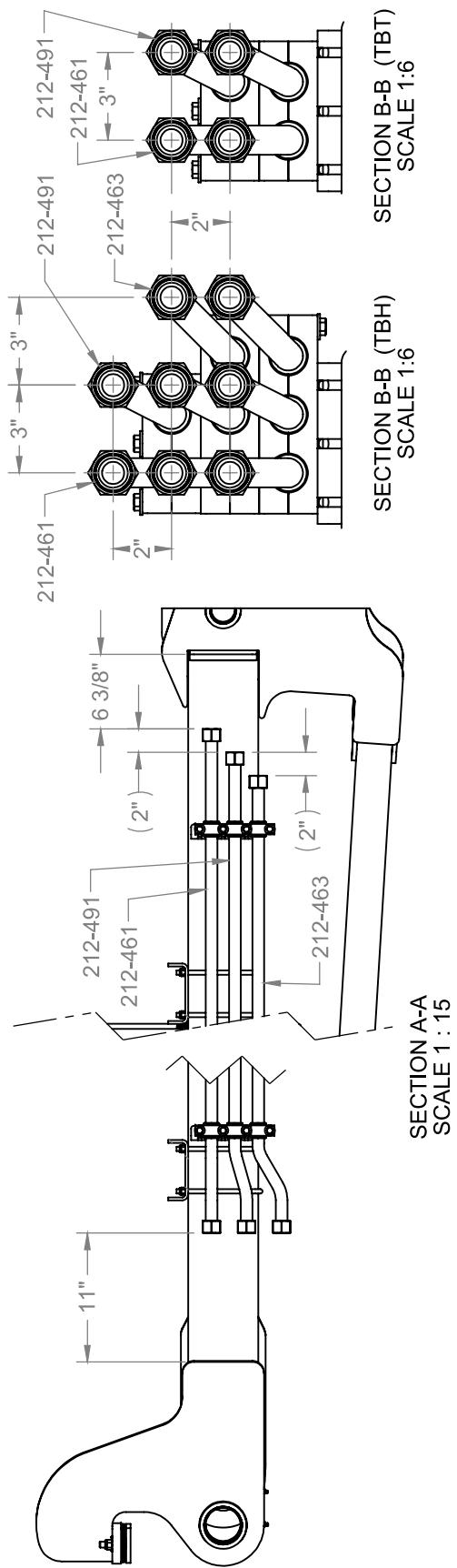
(700-2021 & 700-2022)



# Parts Manual

## 4.4 Center Section: Hitch Arms, 71'

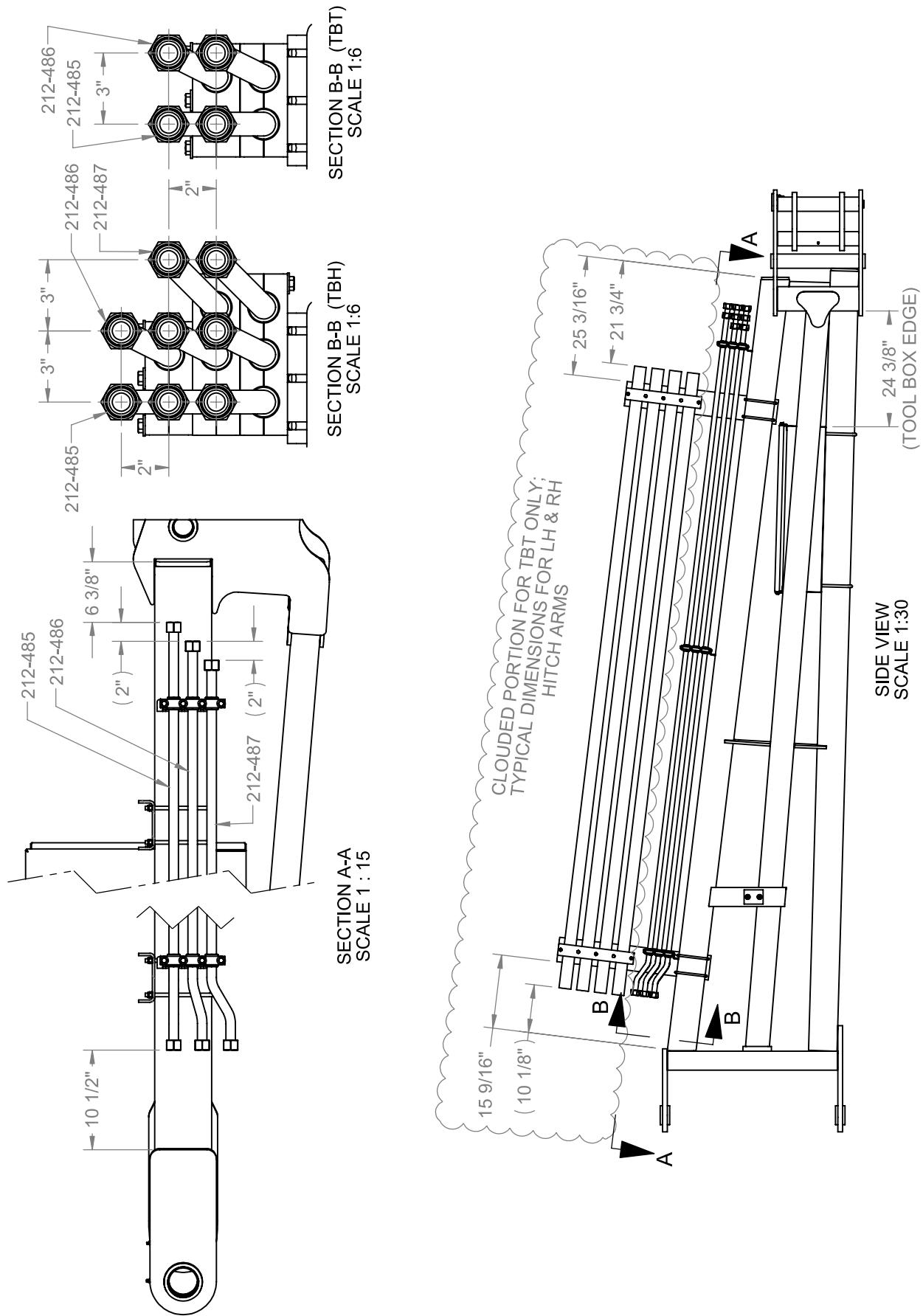
(700-2401 & 700-2402)



# Parts Manual

## 4.5 Center Section: Hitch Arms, 51' & 61'

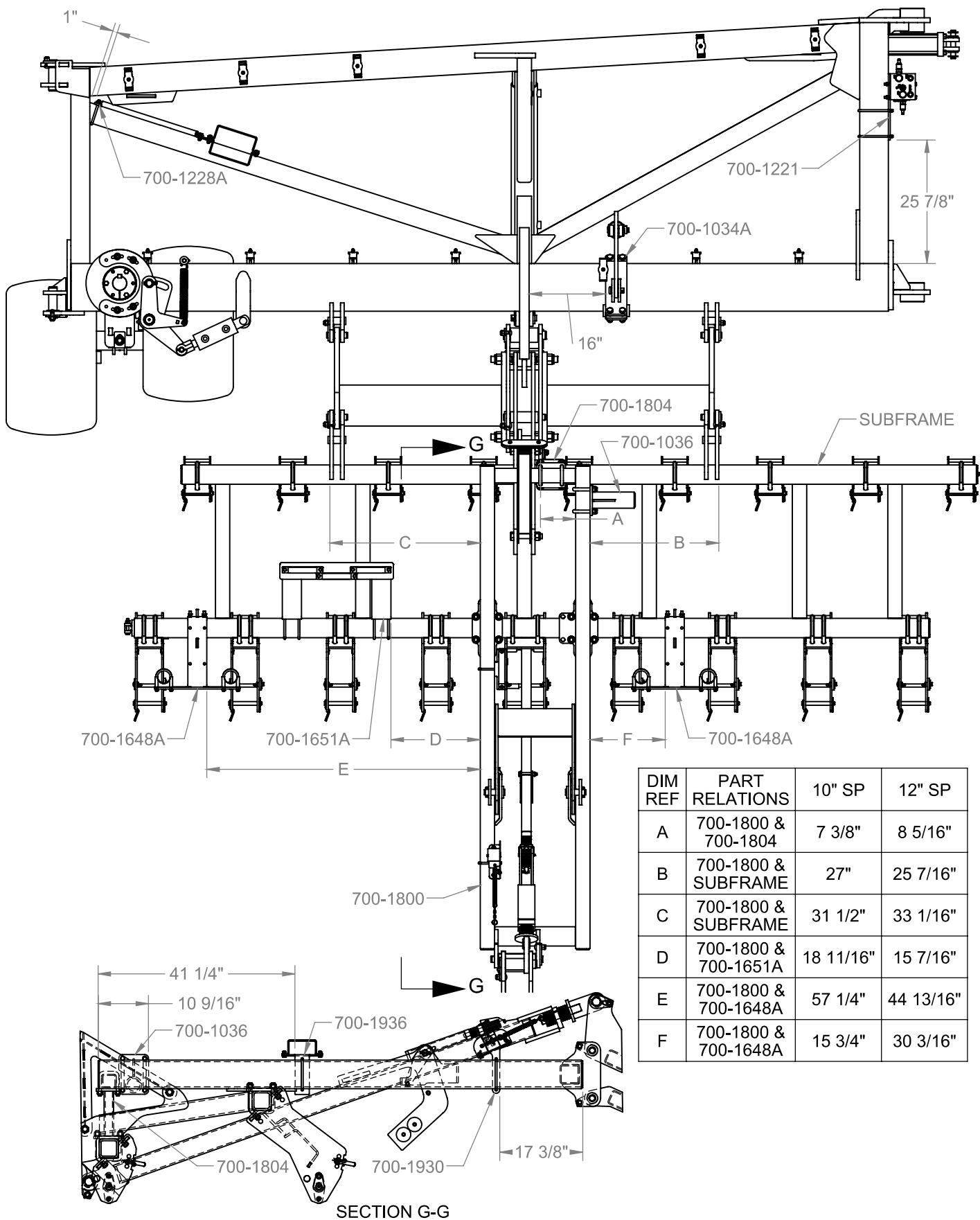
(700-2414 & 700-2415)



# Parts Manual

## 4.6 Wing: Inner 71', LH

(700-1200, 700-1600, 700-1602)

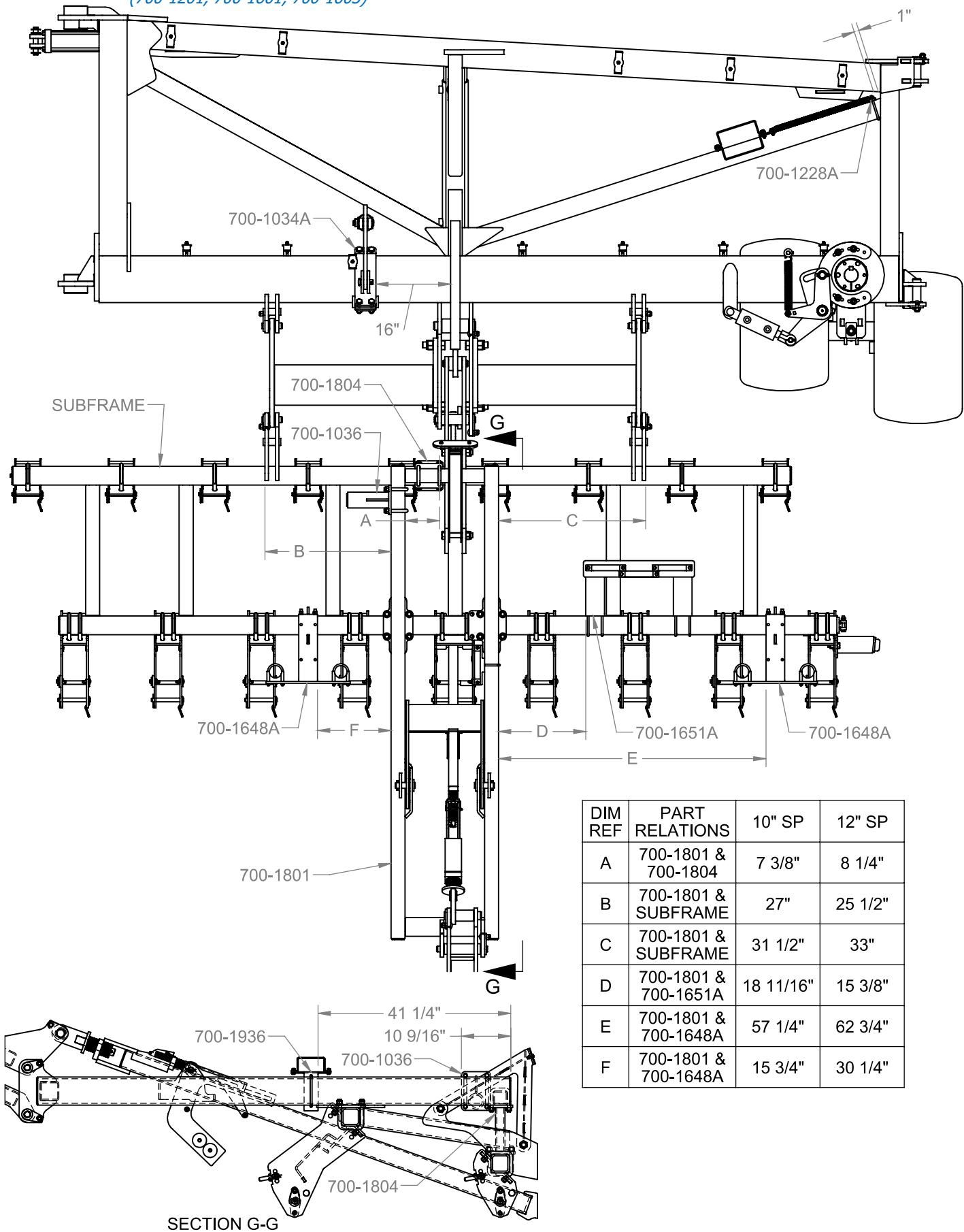


DIM REF	PART RELATIONS	10" SP	12" SP
A	700-1800 & 700-1804	7 3/8"	8 5/16"
B	700-1800 & SUBFRAME	27"	25 7/16"
C	700-1800 & SUBFRAME	31 1/2"	33 1/16"
D	700-1800 & 700-1651A	18 11/16"	15 7/16"
E	700-1800 & 700-1648A	57 1/4"	44 13/16"
F	700-1800 & 700-1648A	15 3/4"	30 3/16"

# Parts Manual

## 4.7 Wing: Inner 71', RH

(700-1201, 700-1601, 700-1603)



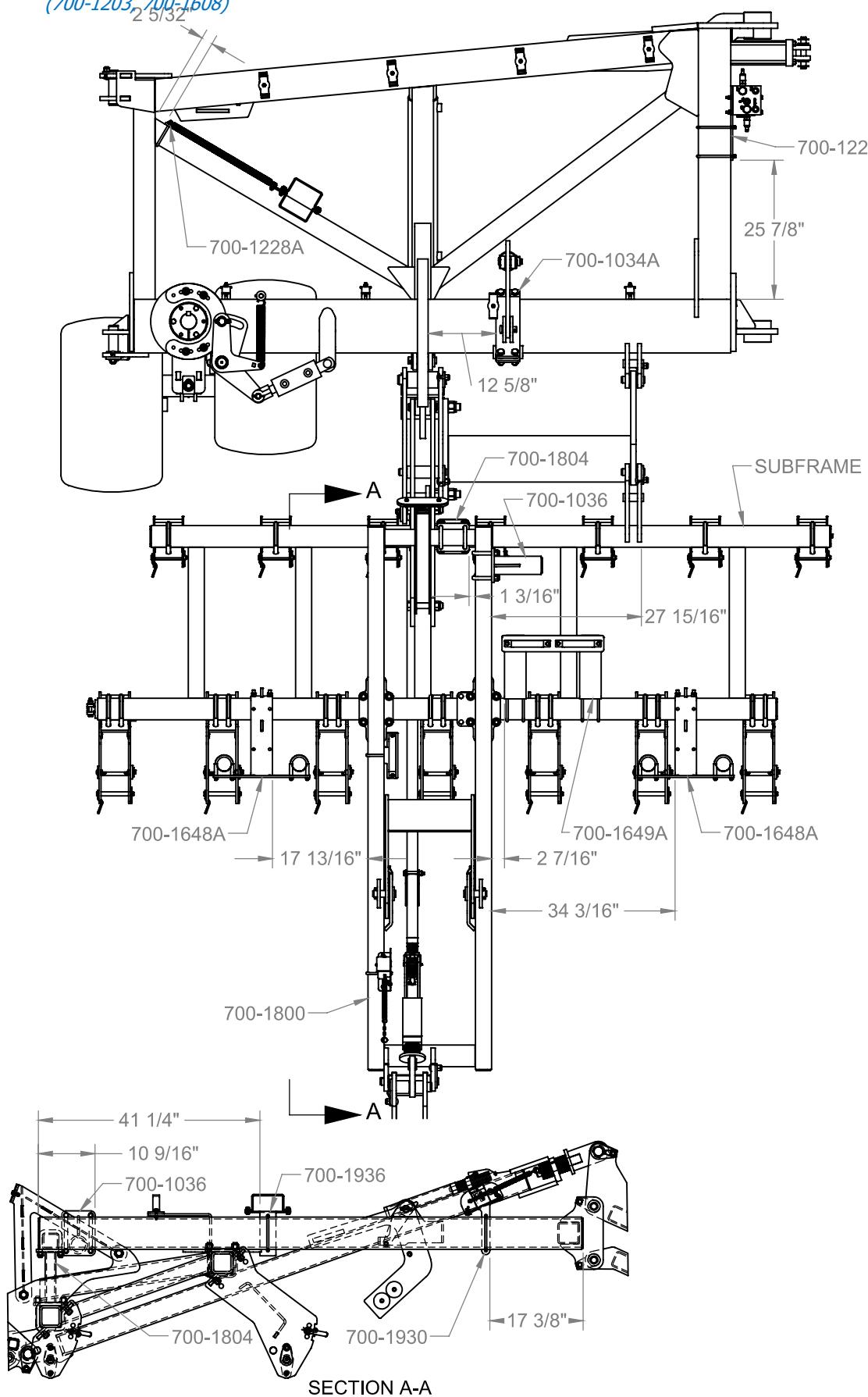
DIM REF	PART RELATIONS	10" SP	12" SP
A	700-1801 & 700-1804	7 3/8"	8 1/4"
B	700-1801 & SUBFRAME	27"	25 1/2"
C	700-1801 & SUBFRAME	31 1/2"	33"
D	700-1801 & 700-1651A	18 11/16"	15 3/8"
E	700-1801 & 700-1648A	57 1/4"	62 3/4"
F	700-1801 & 700-1648A	15 3/4"	30 1/4"

SECTION G-G

# Parts Manual

## 4.8 Wing: Inner 61', LH, 10" SP

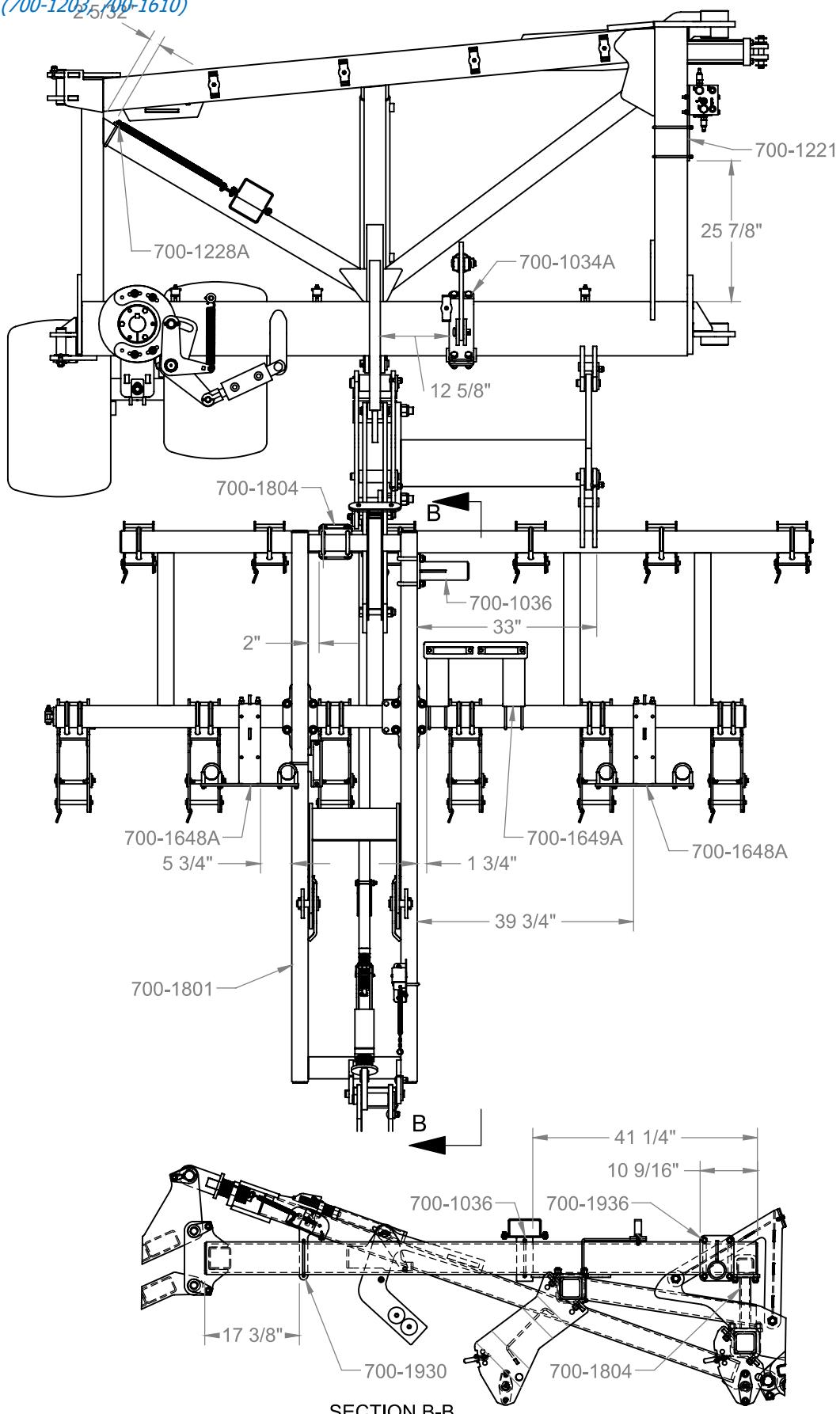
(700-1203, 700-1608)



# Parts Manual

## 4.9 Wing: Inner 61', LH, 12" SP

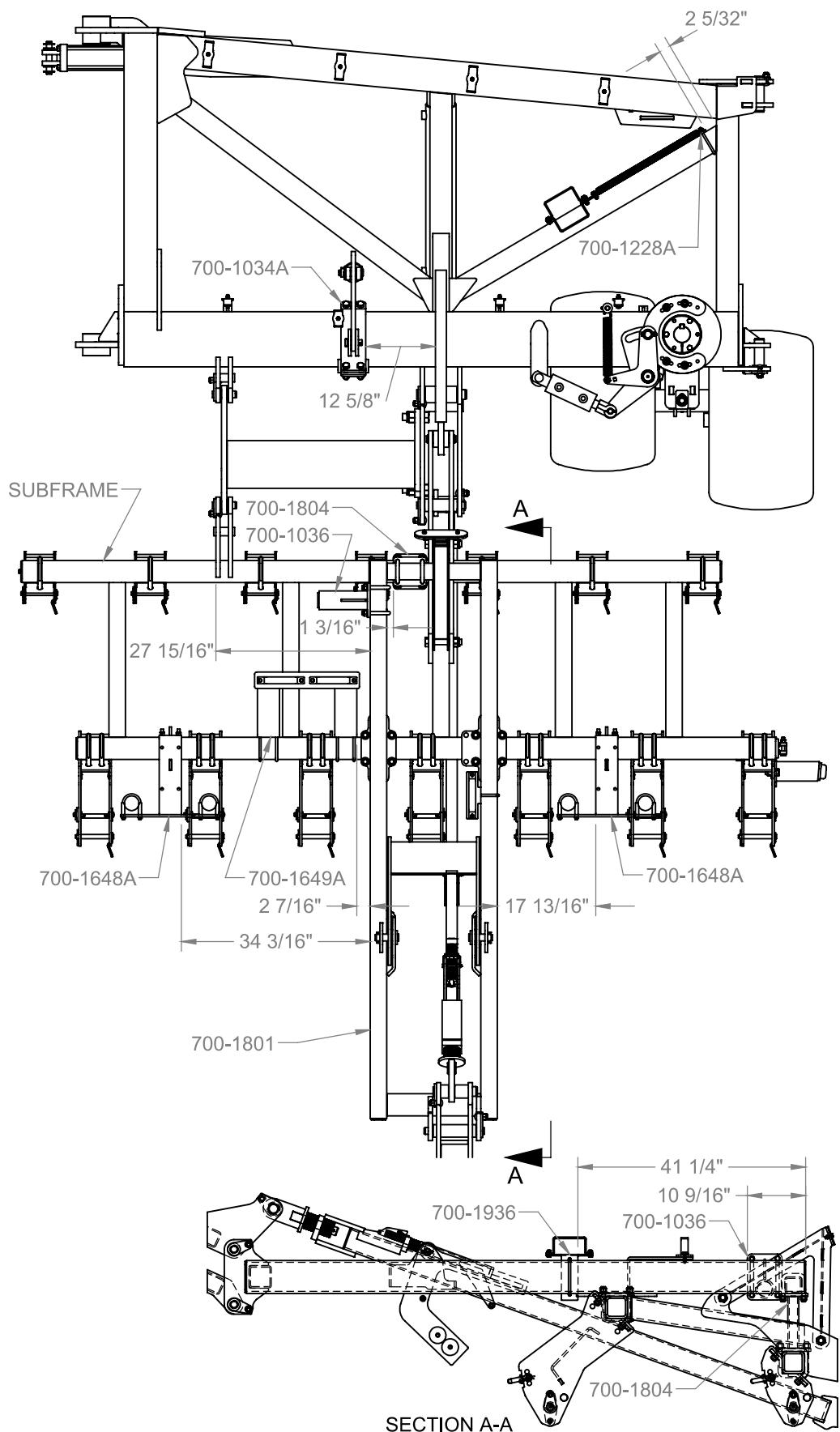
(700-1203, 700-1610)



# Parts Manual

## 4.10 Wing: Inner 61', RH, 10" SP

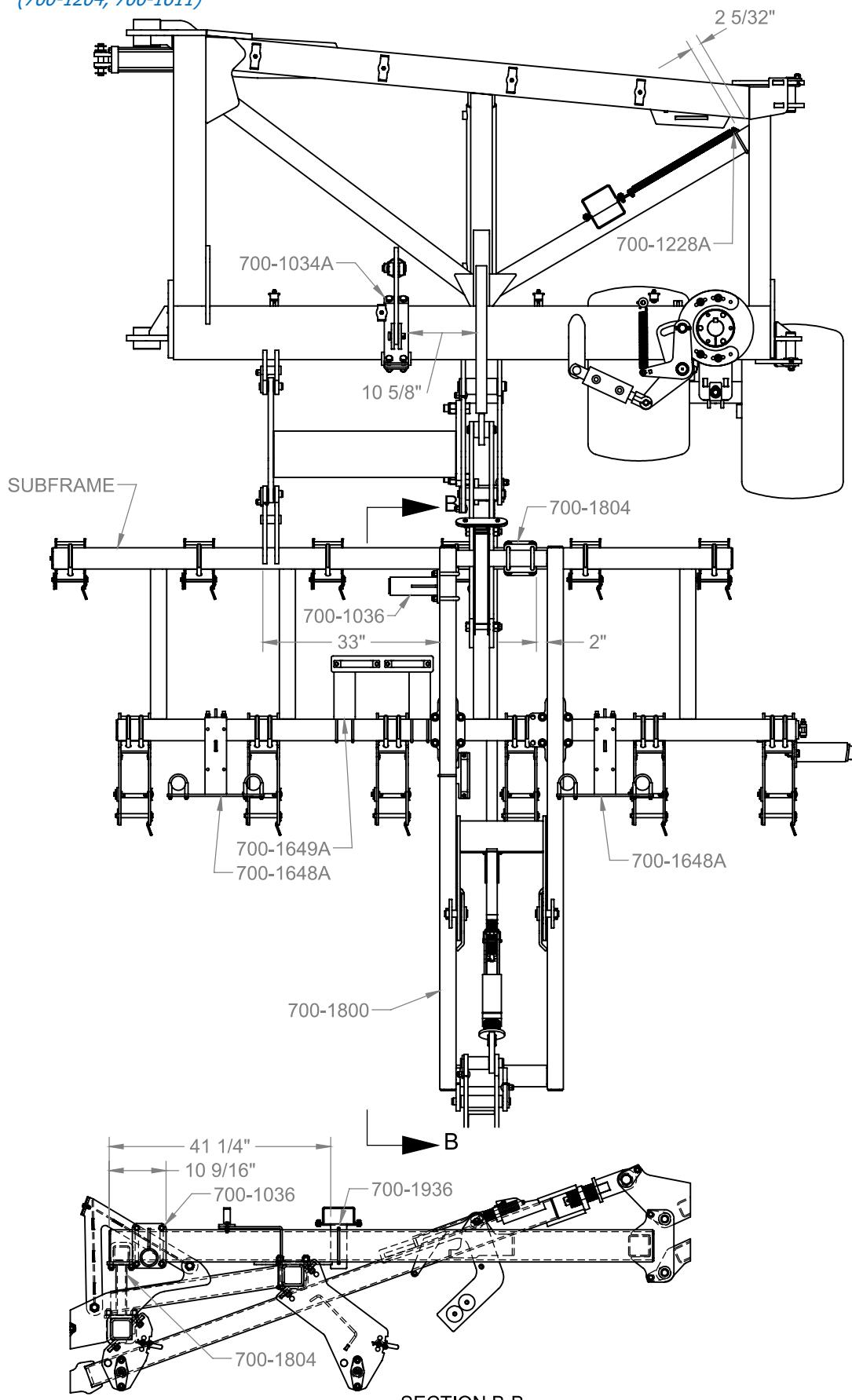
(700-1204, 700-1609)



# Parts Manual

## 4.11 Wing: Inner 61', RH, 12" SP

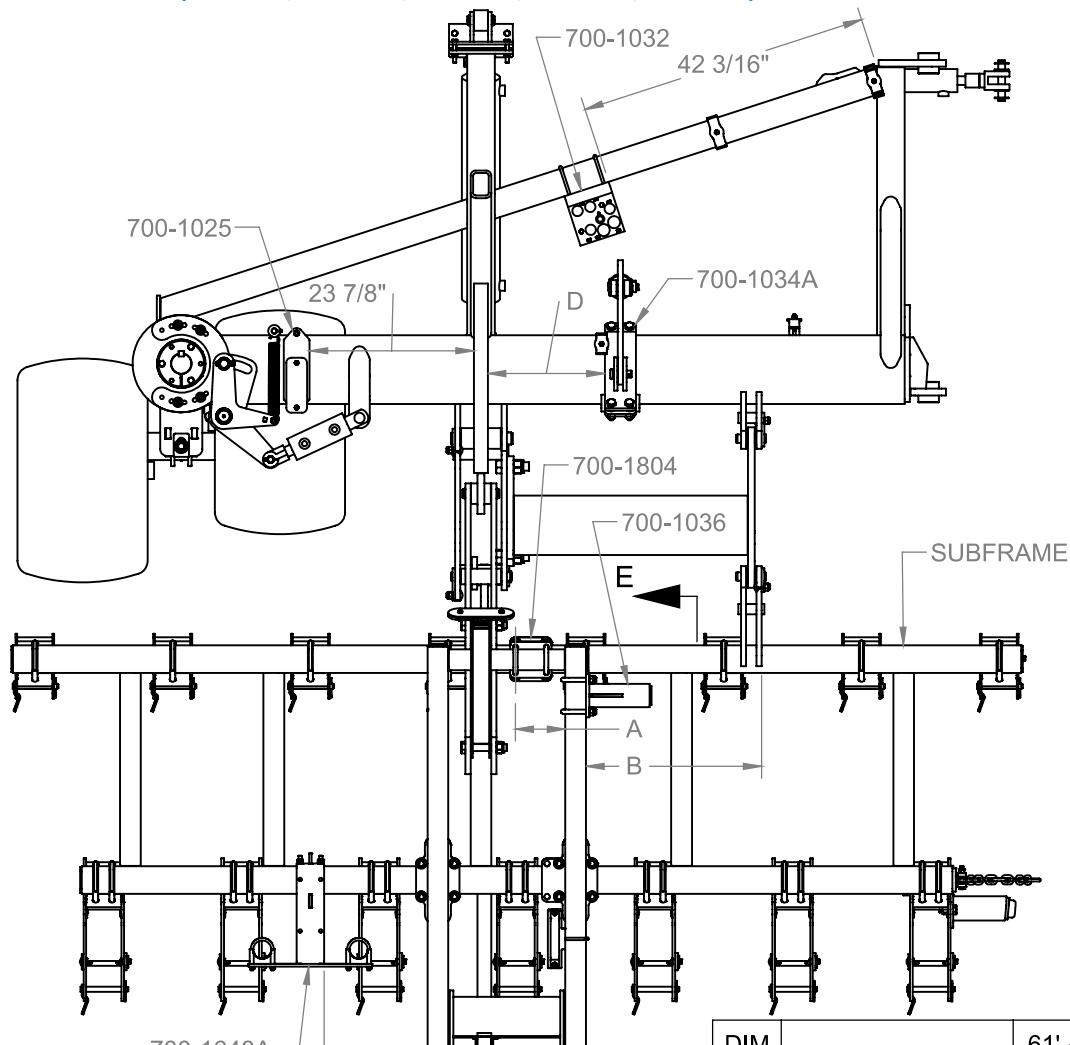
(700-1204, 700-1611)



# Parts Manual

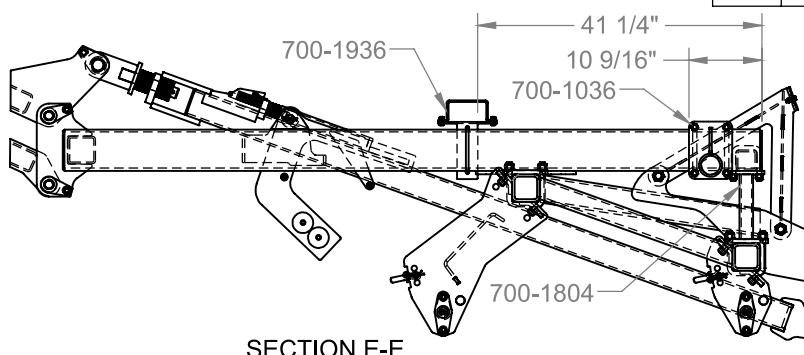
## 4.12 Wing: Outer 61' & 71', LH

(700-1000, 700-1400, 700-1402, 700-1404, 700-1406)



CASTER SUPPORT FRAME  
700-1800 (SHOWN -  
FOR 61' 10" SP & BOTH 71');  
700-1801 (NOT SHOWN -  
FOR 61' 12" SP)

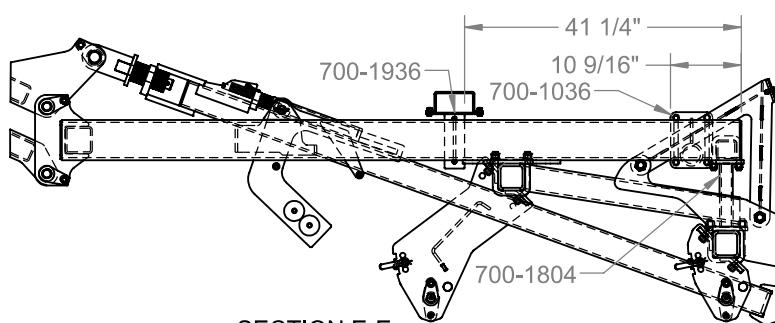
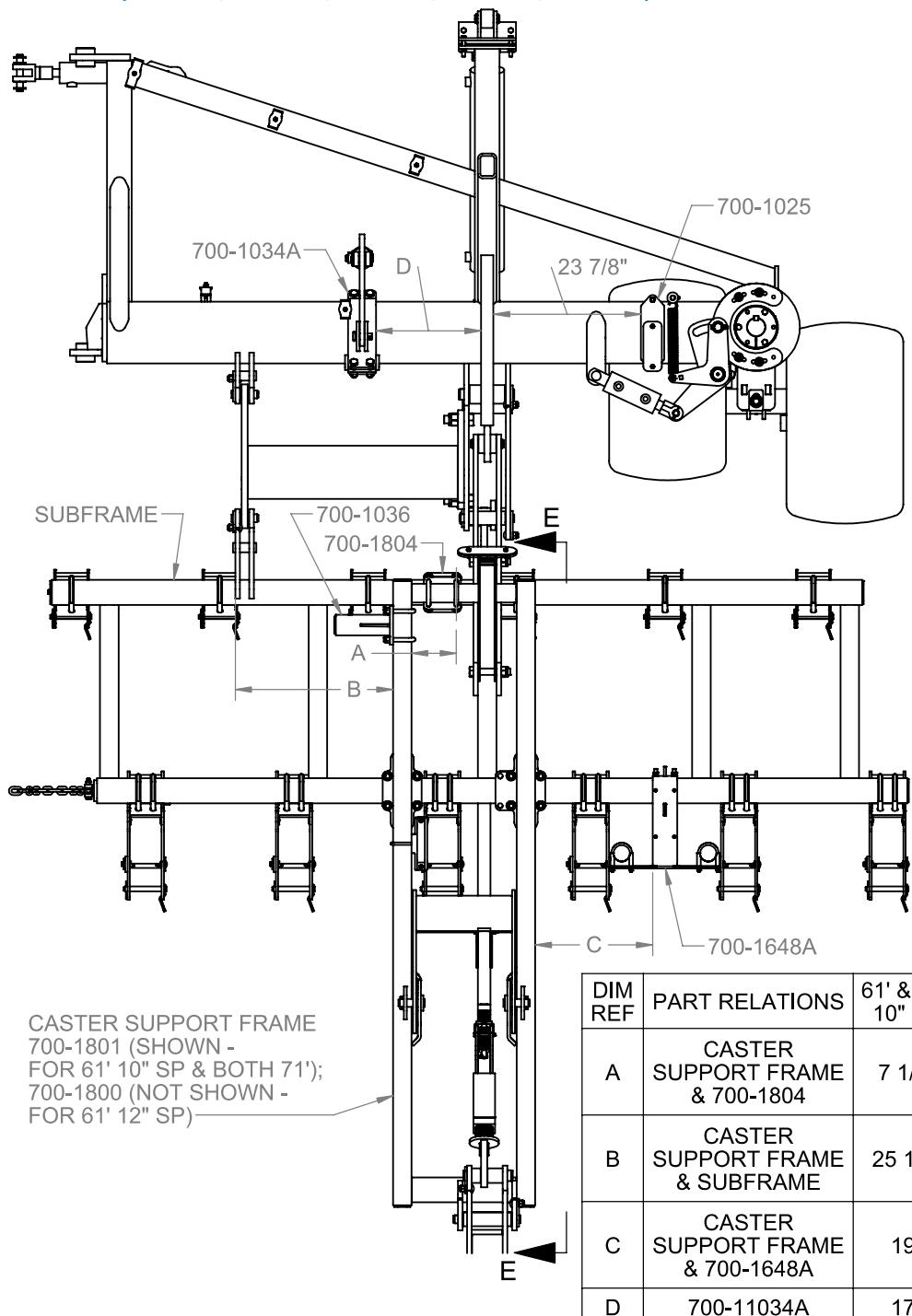
DIM REF	PART RELATIONS	61' & 71', 10" SP	71', 12" SP	61', 12" SP
A	CASTER SUPPORT FRAME & 700-1804	7 1/4"	7 1/4"	14 1/4"
B	CASTER SUPPORT FRAME & SUBFRAME	25 1/2"	25 1/2"	33"
C	CASTER SUPPORT FRAME & 700-1648A	15"	19"	4 1/4" (OPPOSITE SIDE)
D	700-1034A	17"	17"	10"



# Parts Manual

## 4.13 Wing: Outer 61' & 71', RH

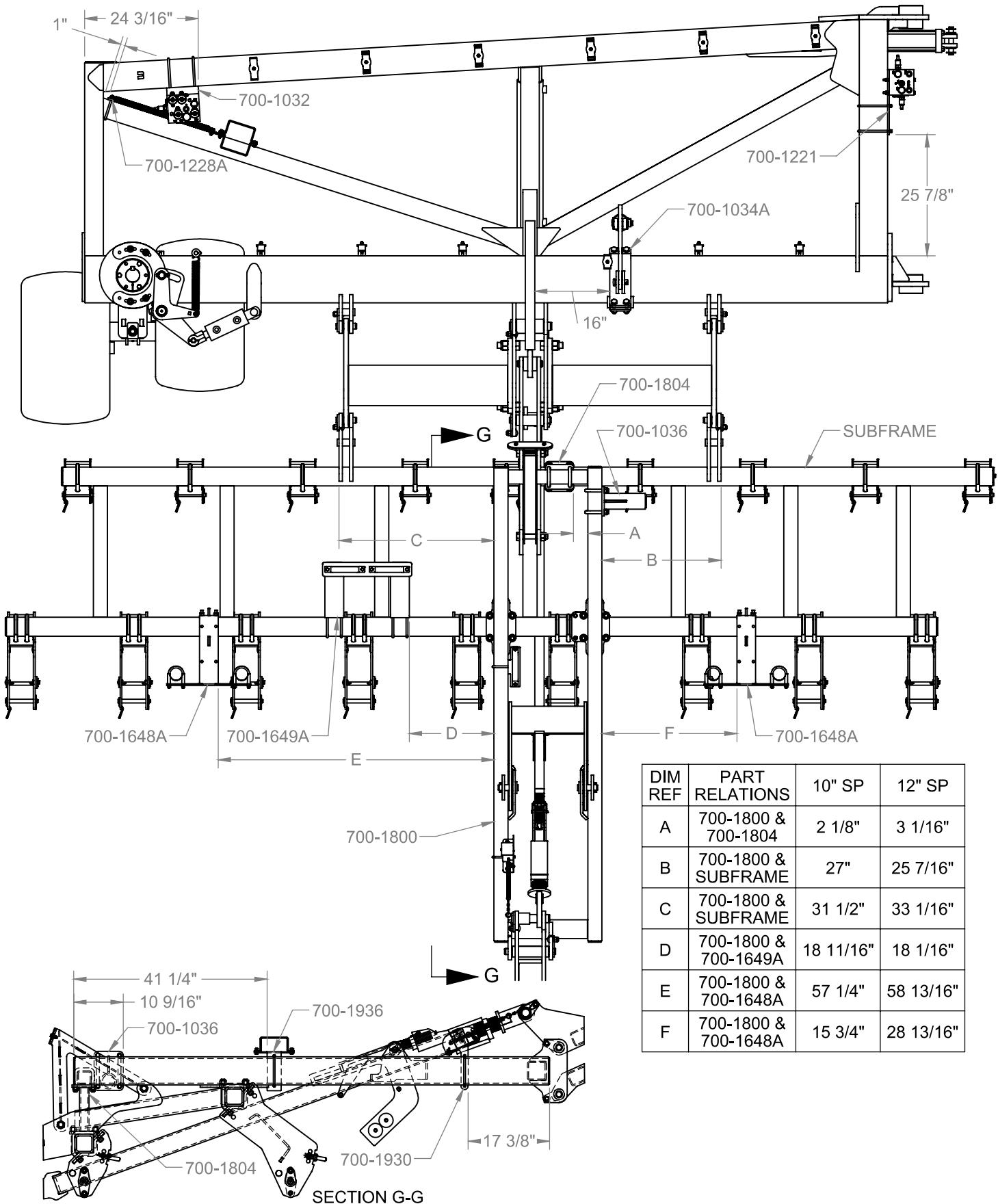
(700-1001, 700-1401, 700-1403, 700-1405, 700-1407)



# Parts Manual

## 4.14 Wing: 51', LH

(700-1223, 700-1604, 700-1606)

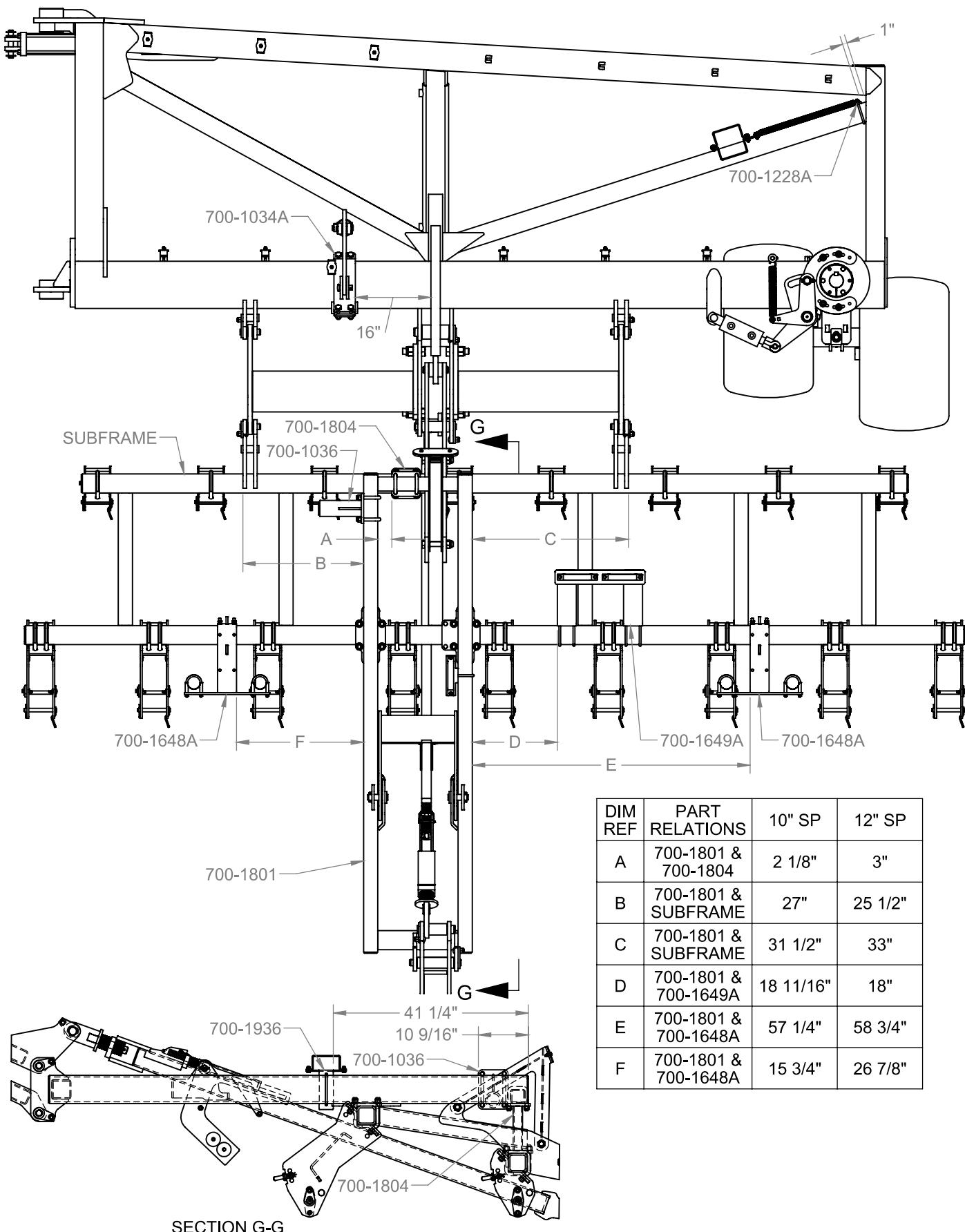


DIM REF	PART RELATIONS	10" SP	12" SP
A	700-1800 & 700-1804	2 1/8"	3 1/16"
B	700-1800 & SUBFRAME	27"	25 7/16"
C	700-1800 & SUBFRAME	31 1/2"	33 1/16"
D	700-1800 & 700-1649A	18 11/16"	18 1/16"
E	700-1800 & 700-1648A	57 1/4"	58 13/16"
F	700-1800 & 700-1648A	15 3/4"	28 13/16"

# Parts Manual

## 4.15 Wing: 51', RH

(700-1224, 700-1605, 700-1607)



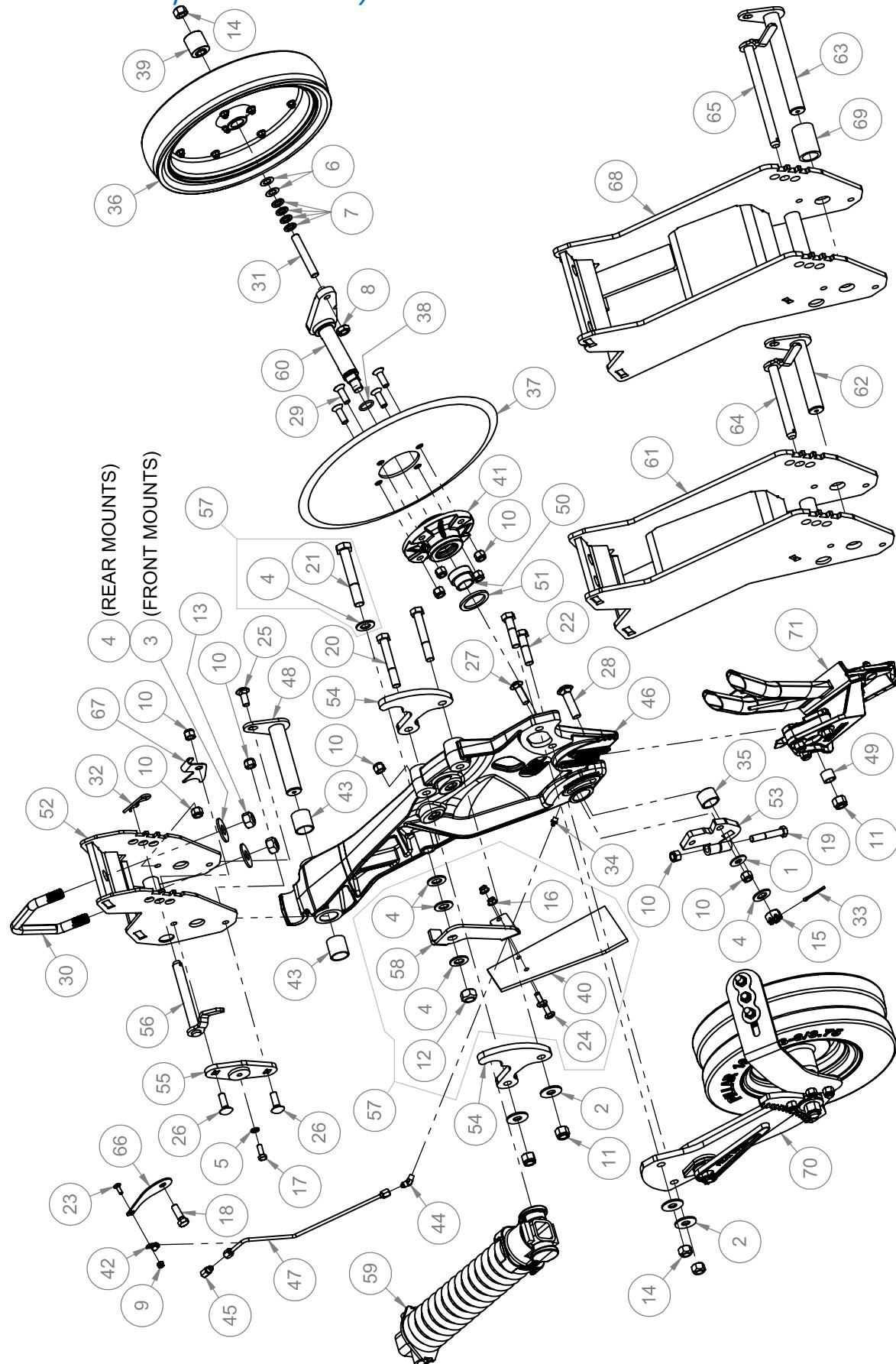
DIM REF	PART RELATIONS	10" SP	12" SP
A	700-1801 & 700-1804	2 1/8"	3"
B	700-1801 & SUBFRAME	27"	25 1/2"
C	700-1801 & SUBFRAME	31 1/2"	33"
D	700-1801 & 700-1649A	18 11/16"	18"
E	700-1801 & 700-1648A	57 1/4"	58 3/4"
F	700-1801 & 700-1648A	15 3/4"	26 7/8"

SECTION G-G

## 5 Parts Diagrams: Opener Assemblies

# Parts Manual

## 5.1 MKIII Opener Assembly



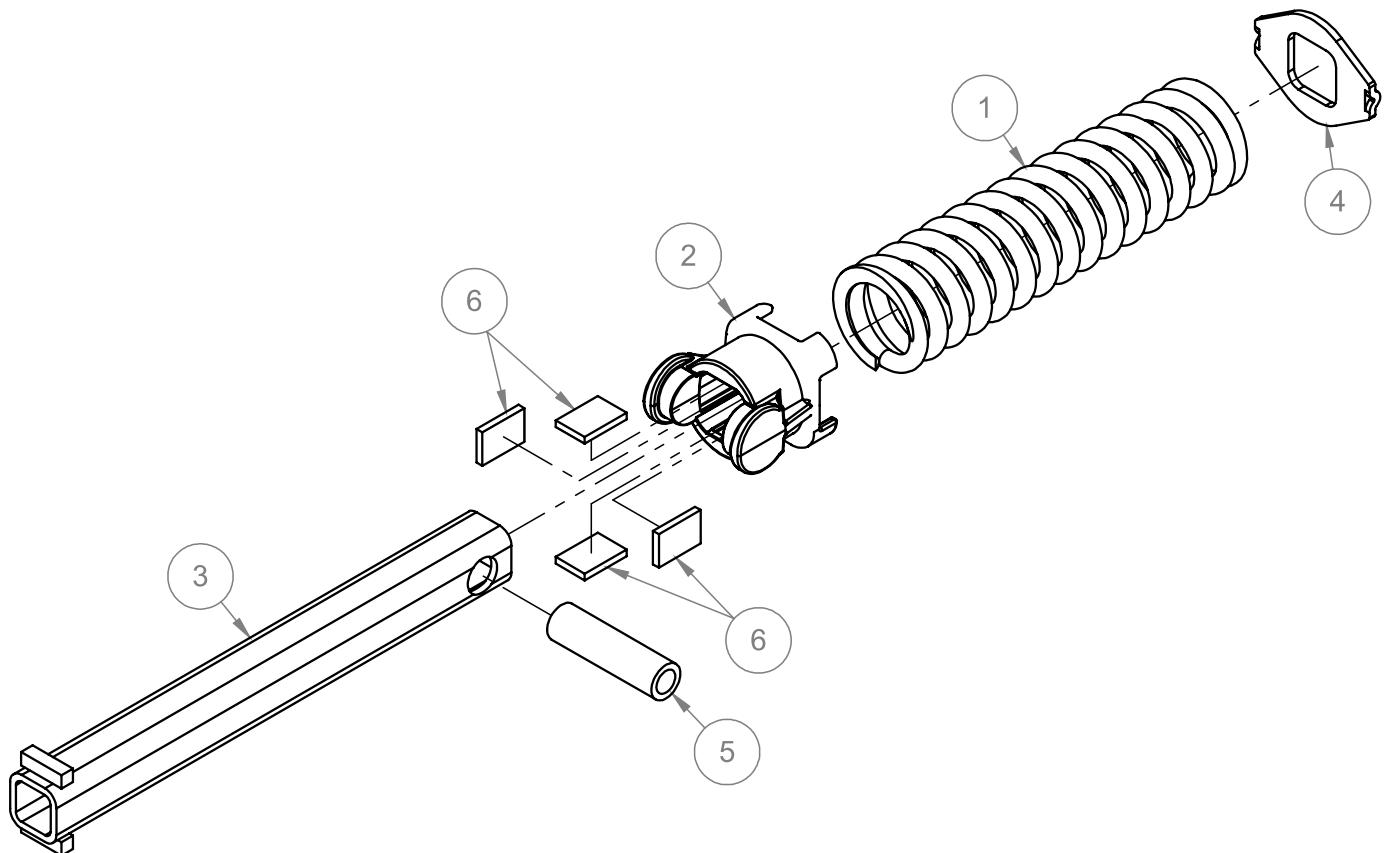
# Parts Manual

## *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	37	206-007	OPR, 18" x 5mm DISC	1
2	101-007	WASHER, 5/8 PLATED ASME WIDE	4	38	206-009	OPR, NITRILE 70 DURO O-RING	1
3	101-008	WASHER, 3/4 PLATED ASME WIDE	2	39	206-016	BEARING, Koyo DAC1640442RSCLCS16	1
4	102-008	WASHER, 3/4 PLATED SAE	5 / 7	40	206-071	TRASH SHIELD, HINGED, COMP. OPENER	1
5	103-003	WASHER, 3/8 SPLIT LOCK GR2 PLATED	1	41	206-076	DISC HUB ASSY, NEW ADR, SEE PG. 121	1
6	104-001	WASHER, 5/8" ID x 1-1/8" OD x 18GA	2	42	206-517	1/4" P-CLIP	1
7	105-001	WASHER, 5/8" ID x 1" OD x 0.125", YZ	4	43	212-010	BUSH., MAIN PIVOT, NYLATRON	2
8	112-007	JAM NUT, 5/8" UNC GR 2 YZ	1	44	212-476	1/8" M NPT x #4 JIC M 45 DEGREE	1
9	114-001	LOCKNUT, 1/4" UNC NYL INS GR 2 YZ	1	45	212-477	1/8" F NPT x #4 JIC M	1
10	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	10	214-013	OPENER FRAME, LEFT, MACHINED (NOT SHOWN)	1	
11	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	3	214-014	OPENER FRAME, RIGHT, MACHINED	1	
12	114-008	LOCKNUT, 3/4" UNC NYL INS GR 2 YZ	1	230-050	MKIII DISC HUB GREASE TUBE, RH		
13	118-008	STOVER NUT, 3/4 UNC GR 2 PLATED	2 / 4	230-051	MKIII DISC HUB GREASE TUBE, LH (NOT SHOWN)	1	
14	119-032	STOVER NUT, 5/8" UNC GR C PLATED	3	48	400-1026	MOUNT PIN, TAPPED	1
15	122-003	SLOTTED HEX NUT, 3/4" UNF GR 2 YZ	1	49	400-3002	PDO-SPRING MOUNT SPACER	1
16	124-007	SERRATED FLANGE LOCK NUT, 3/8" UNC GR2 YZ	2	50	400-3058	SEAL SURFACE	1
17	125-052	BOLT, 3/8 X 1 UNC GR5 PLATED	1	51	400-3145	SPACER, DISC SEAL SURF., NEW OMEGA	1
18	125-103	BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	1	52	405-1001	FRAME MOUNT, 4 X 4	
19	125-109	BOLT, 1/2 X 3 UNC GR5 PLATED	1	405-1009	FRAME MOUNT, 4 x4, DOUBLE HOLE (NOT SHOWN)	1	
20	125-164	BOLT, 5/8 X 4-1/4 UNC GR5 PLATED	2	53	405-1003	DEPTH INDICATOR MOUNT, RH	
21	125-192	BOLT, 3/4 X 5 UNC GR5 PLATED	1	405-2003	DEPTH INDICATOR MOUNT, LH (NOT SHOWN)	1	
22	130-157	BOLT, 5/8 X 2-1/2 UNC GR8 PLATED	2	54	405-1005	TRUNNION RECEIVER	2
23	145-001	CARR. BOLT, 1/4 X 3/4 UNC GR5 PLATED	1	55	405-1007	OPENER PIVOT PIN LOCK	1
24	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PLATED	2	56	405-1021	PIN, SPRING PRESSURE ADJUST	1
25	145-102	CARR. BOLT, 1/2 X 1-1/4 UNC GR5 PLATED	1	57	405-1022	HINGED TRASH SHIELD KIT, RH	
26	145-103	CARR. BOLT, 1/2 X 1-1/2 UNC GR5 PLATED	2	405-2022	HINGED TRASH SHIELD KIT, LH (NOT SHOWN)	1	
27	145-104	CARR. BOLT, 1/2 X 1-3/4 UNC GR5 PLATED	1	405-1023	HINGED TRASH SHIELD MOUNT, RH		
28	145-158	CARR. BOLT, 5/8 X 2-1/2 UNC GR5 PLATED	1	58	405-2023	HINGED TRASH SHIELD MOUNT, LH (NOT SHOWN)	1
29	165-009	Socket Countersunk Flat Head Cap Screw, 1/2 UNC, 1-1/2" LG	4	59	405-1032	HSS SPRING CARTRIDGE ASSY, SEE PG. 114	1
30	165-011	V-BOLT 4 X 4, 3/4-10 UNC	1 / 2	60	405-1042	SPINDLE, RH, NEW ADR HUB	
31	165-018	5/8" UNC x 4" LG STUD, 1-3/8" THD EACH END	1	405-2042	SPINDLE, LH, NEW ADR HUB (NOT SHOWN)	1	
32	175-008	HAIR PIN, #10 5/32 X 2-15/16	1	61	405-1044	REAR FRAME MOUNT, 4 X 4, COMP. OPENER	
33	170-077	COTTER PIN, 5/32 X 1-1/2 PLATED	1	405-1050	REAR FRAME MOUNT W/ ADAPTER HOLES, 4 X 4 (NOT SHOWN)	1	
34	180-005	GREASE ZERK, 1/4-28 UNF STRAIGHT (PREV.)	1	62	405-1046	MOUNT PIN, TAPPED, LONG	1
35	206-003	BRASS BUSHING	1	63	405-1047	MOUNT PIN, PASS-THROUGH	1
36	206-006	3" x 16" CLEANER WHEEL	1	64	405-1048	PIN, SPRING PRESSURE ADJUST, LONG	1
				65	405-1049	PIN, SPRING PRESSURE ADJUST, PASS-THROUGH	1
				66	405-1052	GREASE TUBE BRACKET	1
				67	405-1053	PIVOT POINT GREASE LINE GUIDE, RH	
				405-2053	PIVOT POINT GREASE LINE GUIDE, LH (NOT SHOWN)	1	
				68	405-1090	PASS-THROUGH REAR MOUNT	1
				69	405-1091	OPENER SPACER, PASS-THROUGH	1
				70	-	COMPRESSION OPENER PACKER ASSEMBLY, SEE PGS. 9-12	1
				71	-	SEED BOOT ASSEMBLY, SEE PG. 115	1

# Parts Manual

## 5.2 MKIII HSS Spring Cartridge Assembly

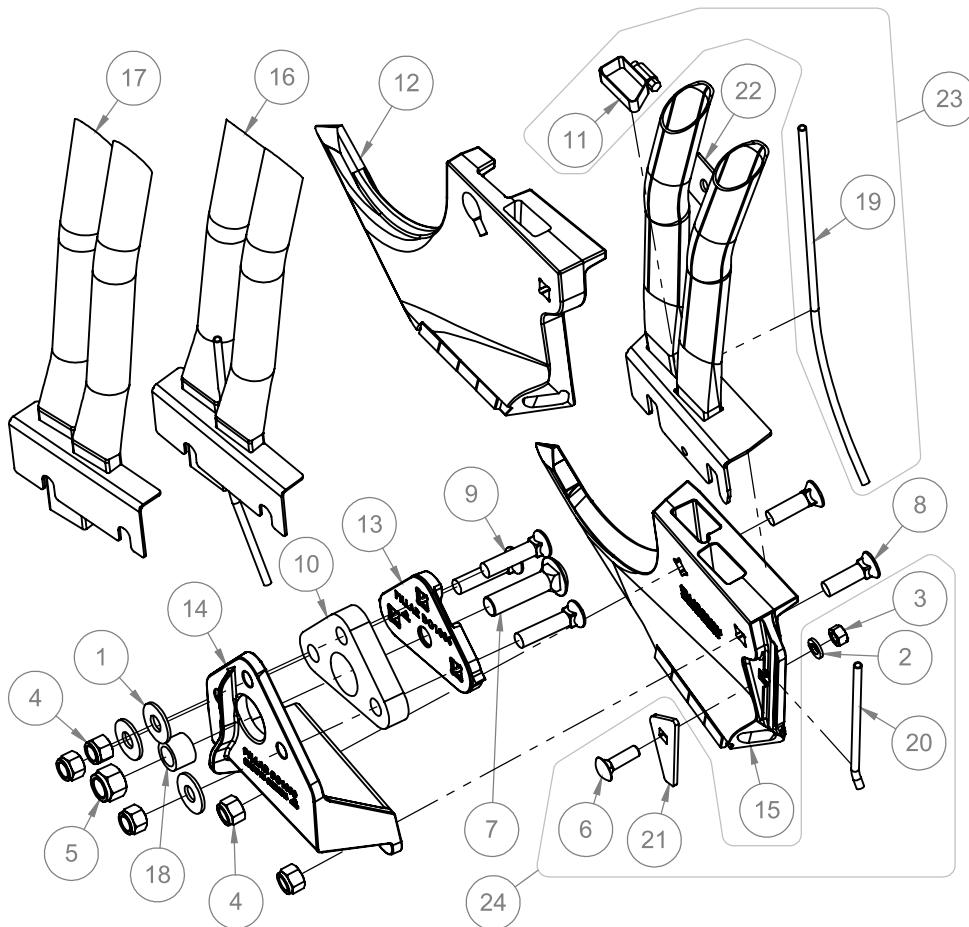


*MKIII HSS Spring Cartridge Assembly*

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

## 5.3 Seed Boot Assembly

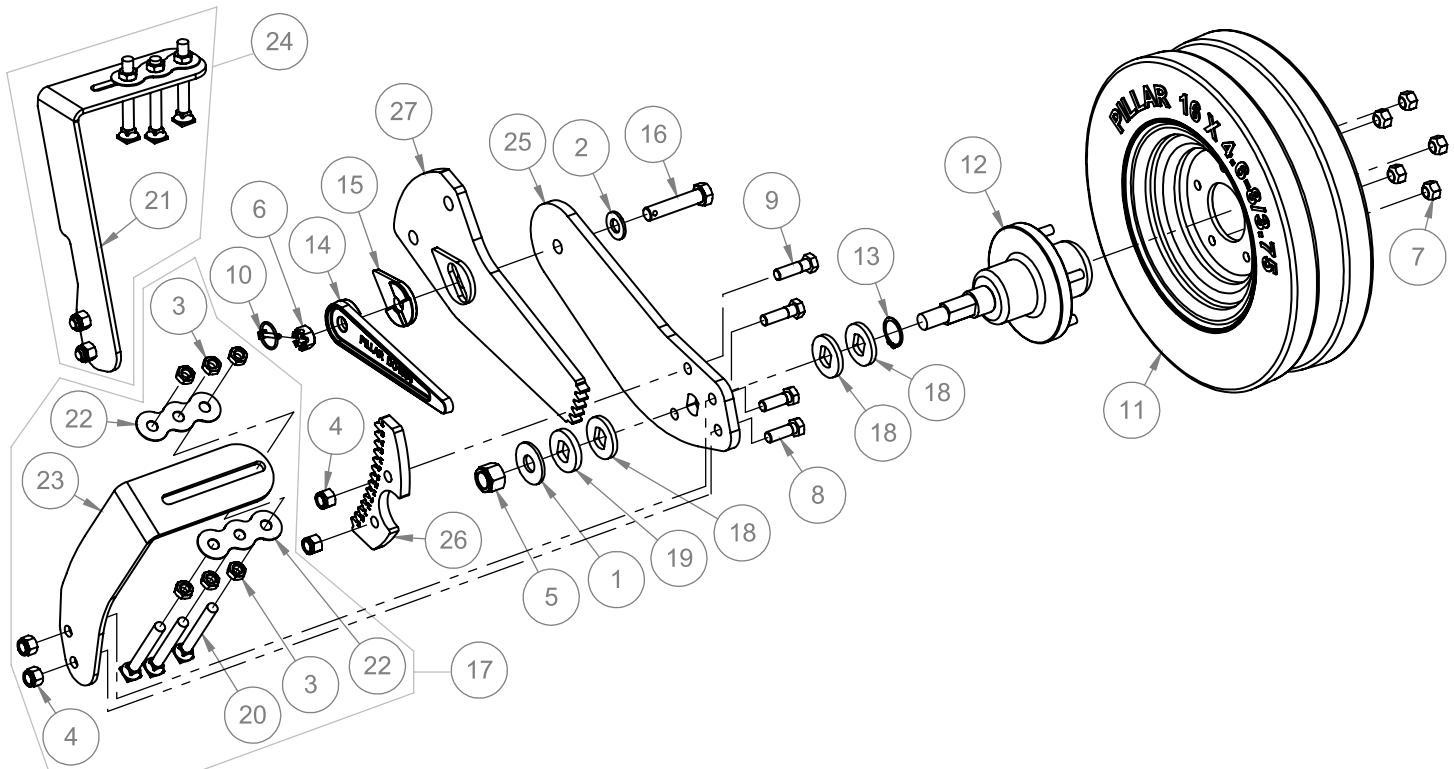


### Seed Boot Assembly

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	15	214-010	CASTING, RH SCRAPER MOUNT	
4	114-005	LOCKNUT, 1/2" UNC NYL INS GR 2 YZ	5	16	214-012	CASTING, RH LOW DISTURB.	
5	114-007	LOCKNUT, 5/8" UNC NYL INS GR 2 YZ	1	17	214-011	CASTING, LH LOW DISTURB. (NOT SHOWN)	1
6	145-052	CARR. BOLT, 3/8 X 1 UNC GR5 PL.	1	18	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	19	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	20	400-1114	ORIG. STYLE SEED/FERT. TUBES, RH	
9	175-011	PLOW BOLT, 1/2 X 2-1/4 UNC GR8 PL.	3	21	400-1013	ORIG. STYLE SEED/FERT. TUBES, LH (NOT SHOWN)	1
10	206-020	OPR, URETHANE ADJUSTMENT PUCK	1	22	400-3002	SPACER, SPRING/SCRAPER MOUNT	1
11	212-048	#16 SS HOSE CLAMP	1	18	400-3088	LIQUID FERTILIZER TUBE, FRONT	1
12	214-002	ORIG. STYLE SEED BOOT, RH	1	20	400-3102	LIQUID PHOSPHATE TUBE, BACK	1
	214-001	ORIG. STYLE SEED BOOT, LH (NOT SHOWN)		21	400-3103	LIQUID PHOSPHATE TUBE CLAMP	1
				22	400-3126	SEED/FERT. TUBE, RH	
					400-3128	SEED/FERT. TUBE, LH (NOT SHOWN)	1
				23	400-3140	LIQUID FERTILIZER KIT	1
				24	400-3141	LIQUID PHOSPHATE KIT	1

# Parts Manual

## 5.4 MKIII Opener Packer Assembly – DS (Double Shoulder)



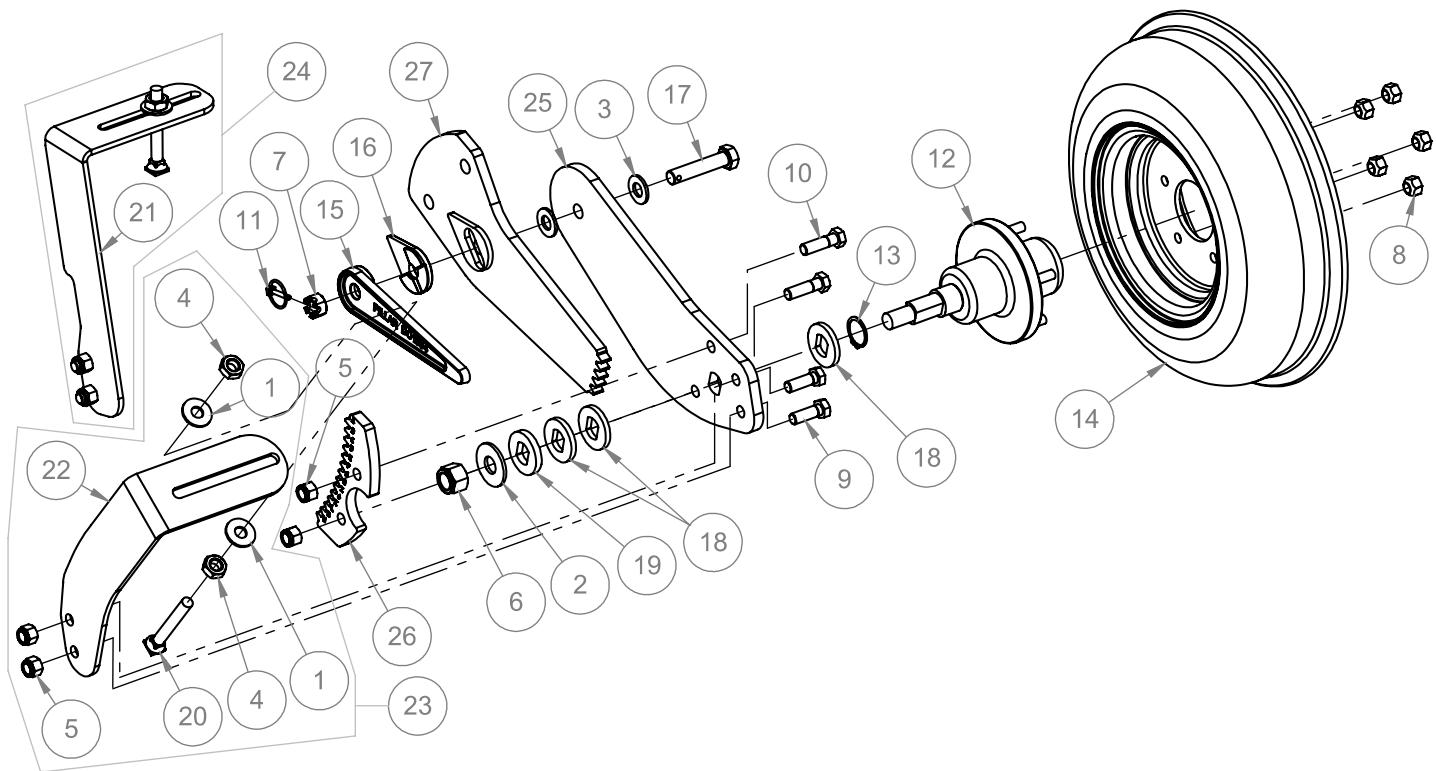
## Parts Manual

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<i><b>MKIII Opener Packer Assembly – DS (Double Shoulder)</b></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	206-023 206-024	DBLE SHOULDER TIRE 16 X 4.6-8/3.75 AND WHEEL CARLISLE SMOOTH TIRE & WHEEL (NOT SHOWN)	1
12	206-033	HUB, S32E5Z00003-E, SEE PG. 120	1
13	206-048	1-1/4" STANDARD SNAP RING	1
14	214-005 214-003	CAM LOCK LEVER, RH CAM LOCK LEVER, LH (NOT SHOWN)	1
15	214-006 214-004	CAM LOCK INSERT, RH CAM LOCK INSERT, LH (NOT SHOWN)	1
16	400-3062	PACKER ARM MOUNT BOLT	1
17	400-3068 400-3070	LH 4x16 STD MUD SCRAPER KIT (NOT SHOWN) 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 400-3080	LH 4x16 OFFSET SCRAPER BRKT (NOT SHOWN) RH 4x16 OFFSET SCRAPER BRKT	1
22	400-3082	WASHER, 3 HOLE	4
23	400-3098 400-3100	LH 4x16 STD SCRAPER BRKT (NOT SHOWN) RH 4x16 STD SCRAPER BRKT	1
24	400-3104 400-3106	LH 4x16 OFFSET MUD SCRAPER KIT (NOT SHOWN) RH 4x16 OFFSET 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

## 5.5 MKIII Opener Packer Assembly – RS (Raised Shoulder)

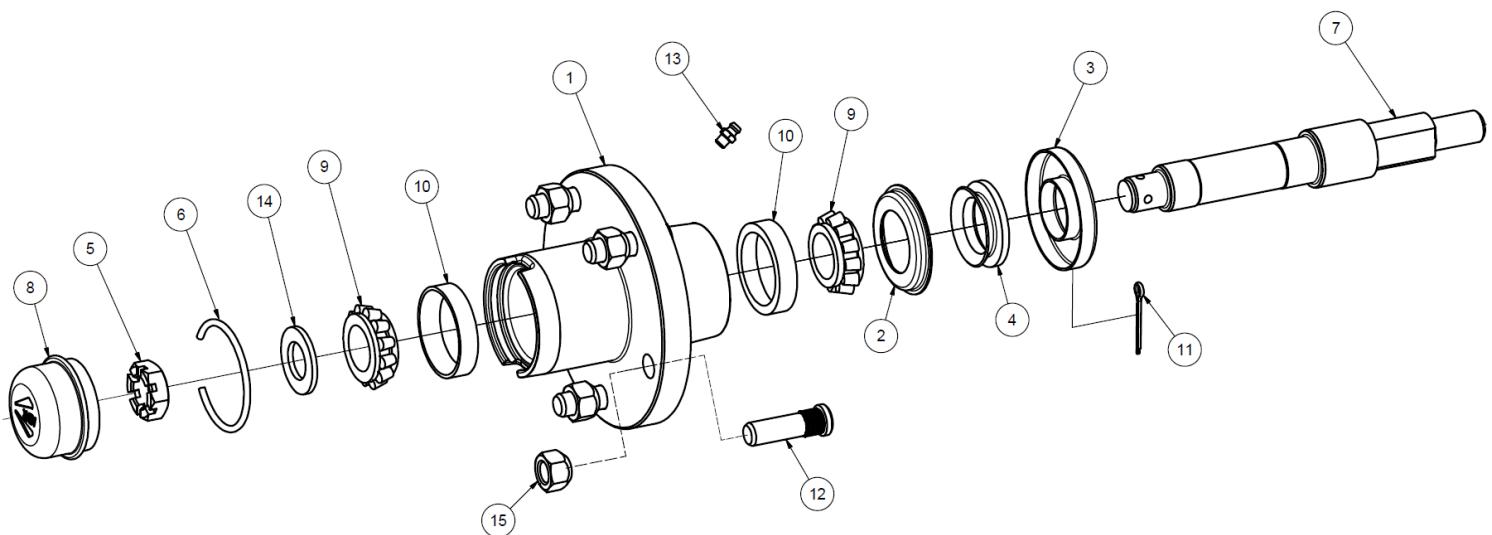


## Parts Manual

<i><b>MKIII Opener Packer Assembly – RS (Raised Shoulder)</b></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. 120	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

## 5.6 Packer Wheel Hub and Spindle

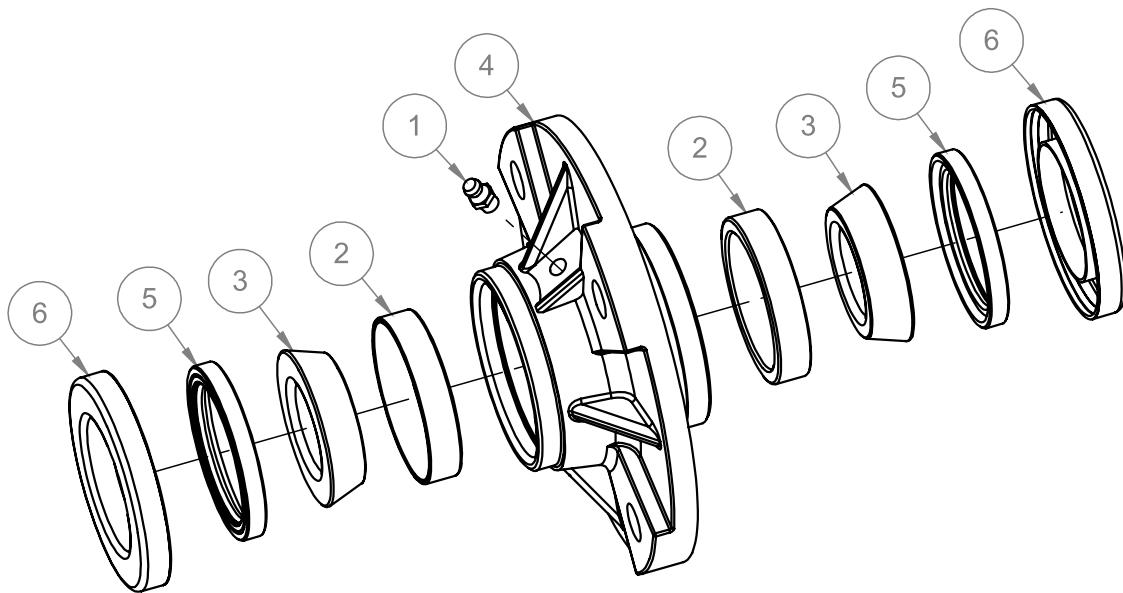


*Packer Wheel Hub and Spindle*

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

# Parts Manual

## 5.7 Disc Hub Assembly, ADR



*Disc Hub Assembly, 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

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