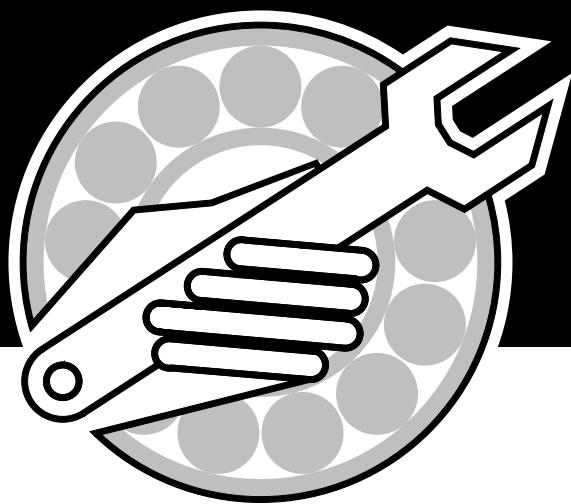




Parts Manual



Never Pin Disc Drill

IMPORTANT:

ALL ITEMS ARE IDENTIFIED WITH A PART NUMBER. Some of the smaller parts such as bolts, nuts, washers, etc. are not all shown, however, the quantity used are listed in the text for that section which they fit into. That particular quantity is always the quantity required for one complete assembly.

Smaller parts, which are welded together to construct a larger part, are not to be ordered as individual pieces, unless they have a part number to identify them.

Contact your nearest dealer for genuine repair parts. Dealers carry ample stock and are backed by the manufacturer and regional associations.

MORRIS PAINT

Spray Cans:

Part Number	Description
W-4647	Red MORRIS Spray Can
W-4648	Blue MORRIS Spray Can
N31087	Sky White MORRIS Spray Can

Litre Cans:

Part Number	Description
Z-10	Red MORRIS Paint/Litre
Z-11	Blue MORRIS Paint/Litre

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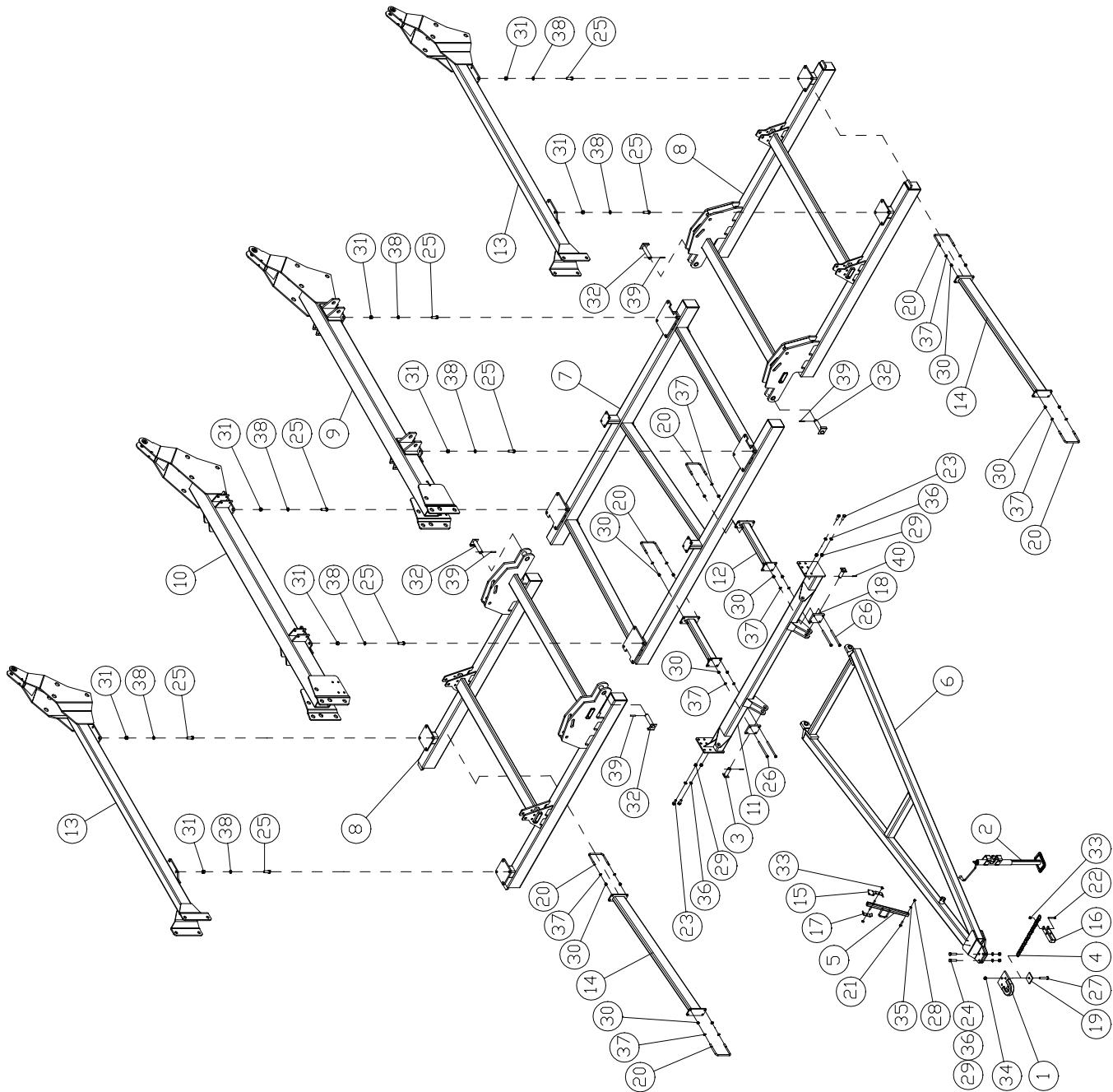
Section 1:

Frame & Hitch Assembly

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Frame & Hitch Assembly
28 ft and 34 ft Frame & Hitch

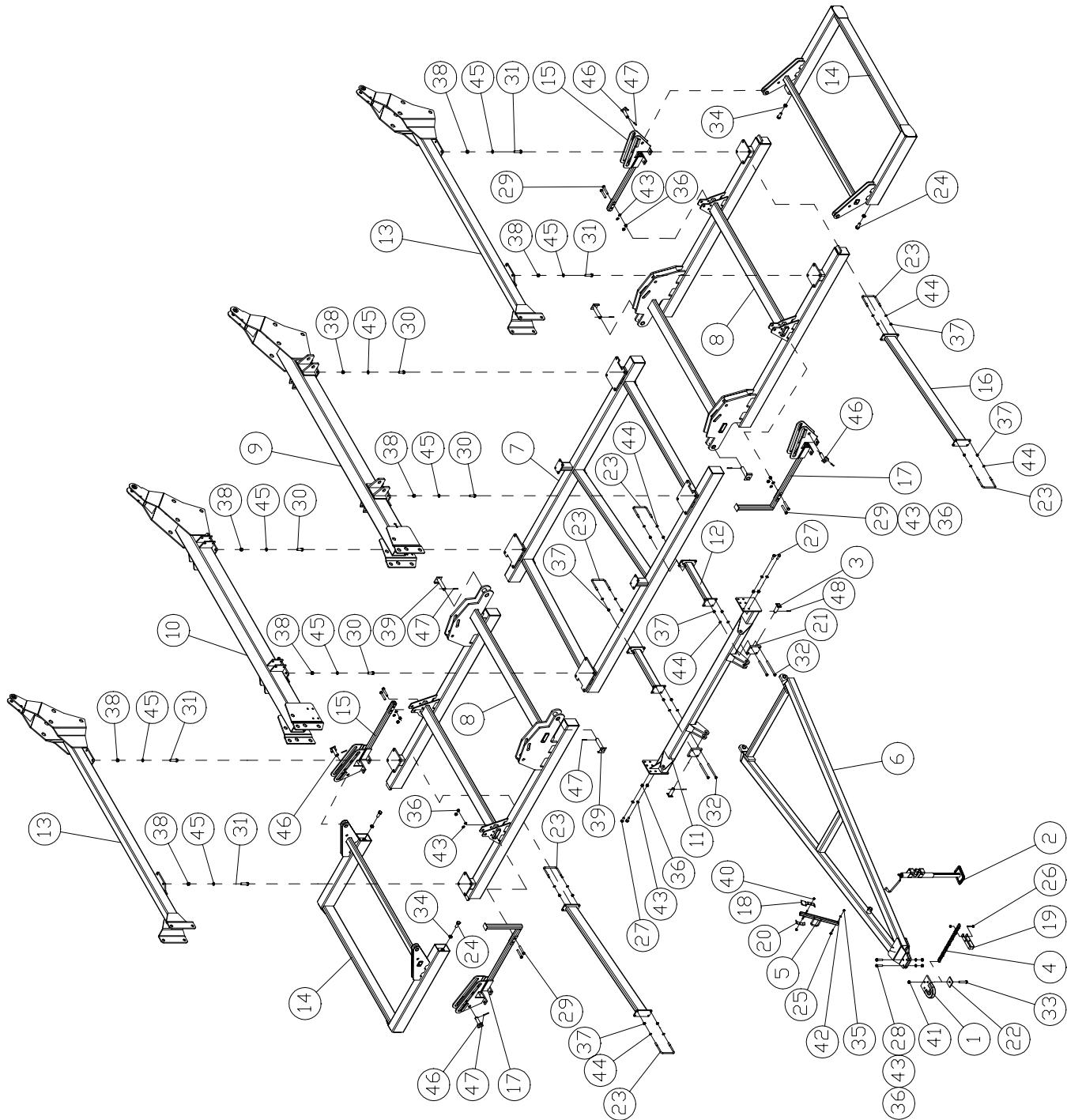


Frame & Hitch Assembly - 28 ft and 34 ft Frame & Hitch

Item	Part No.	Description	Qty
1	C-4438	Clevis	1
2	S39391	Top Wind Jack	1
3	C18531	Pin	2
4	C18761	Chain Safety Ag - 40,000 Lb	1
5	C26323	Hose Holder	1
6	N33600	Hitch	1
7	N33615	Main Frame	1
8	N33893	Inner Wing Frame 28	2
	N33624	Inner Wing Frame 34 & 40	2
9	N34300	Left Main Depth Beam 28	1
	N33637	Left Main Depth Beam 34 & 40	1
10	N34301	Right Main Depth Beam 28	1
	N33638	Right Main Depth Beam 34 & 40	1
11	N33646	Hitch Beam	1
12	N33649	Hitch Bar	2
13	N33659	Wing Depth Beam	2
14	N33864	Frame Brace Tube	2
15	N34317	Valve Bracket	1
16	C18758	Safety Chain Intermediate Support	1
17	C26321	Hose Holder Clamp	1
18	N34759	Plate	2
19	C18757	Retaining Washer	1
20	N33342	U-Bolt - 5/8 x 7 x 6 1/2	12
21	W-490	Hex Bolt - 1/2 x 2 1/2 Lg	1
22	D-5519	Hex Bolt - 1/2 x 3 1/4 Lg	1
23	C-695	Hex Bolt - 3/4 x 2 Lg	8
24	W-63	Hex Bolt - 3/4 x 3 Lg	2
25	S39395	Hex Bolt - 7/8 x 2 1/2 Lg	32
26	C-3683	Hex Bolt - 5/8 x 9 Lg	8
27	D-5256	Hex Bolt - 3/4 x 4 Lg	1
28	W-516	Hex Nut - 1/2	1
29	W-518	Hex Nut - 3/4	10
30	W-517	Hex Nut - 5/8	32
31	W-519	Hex Nut - 7/8	32
32	N33814	Hinge Pin	4
33	F-3405	Locknut - 1/2 Unitorque	3
34	D-5273	Locknut - 3/4 Unitorque	1
35	W-525	Lockwasher - 1/2	1
36	W-527	Lockwasher - 3/4	10
37	W-526	Lockwasher - 5/8	32
38	F10813	Lockwasher - 7/8	32
39	T-5245	Spring Pin - 3/8 x 2 1/2 Lg	4
40	W-1002	Spring Pin - 5/16 x 2 Lg	2

Frame & Hitch Assembly

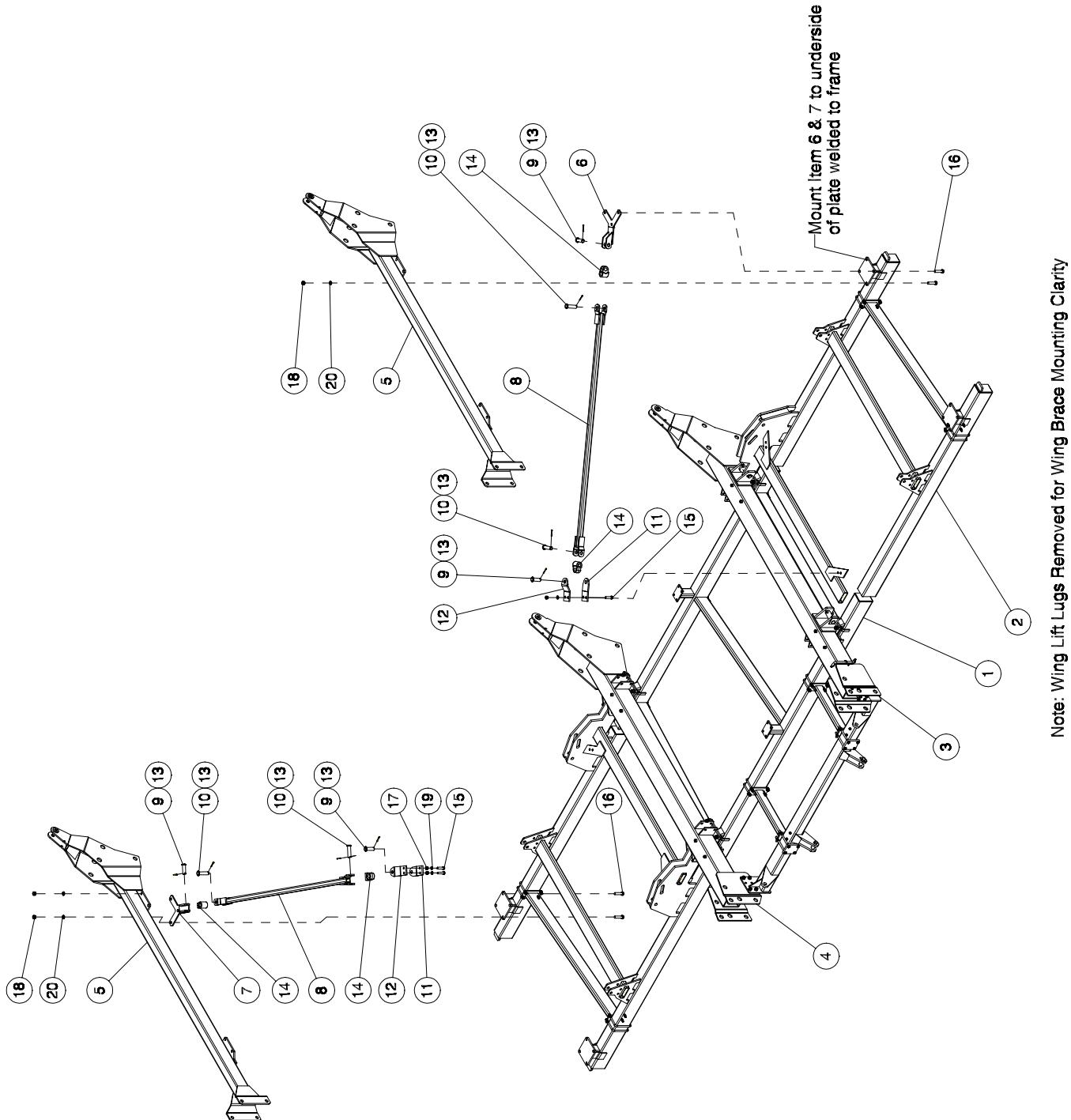
40 ft Frame & Hitch



Frame & Hitch Assembly - 40 ft Frame & Hitch

Item	Part No.	Description	Qty
1	C-4438	Clevis	1
2	S39391	Top Wind Jack	1
3	C18531	Pin	2
4	C18761	Chain Safety Ag - 40,000 Lb	1
5	C26323	Hose Holder	1
6	N33600	Hitch	1
7	N33615	Main Frame	1
8	N33624	Inner Wing Frame 34 & 40	2
9	N33637	Left Main Depth Beam	1
10	N33638	Right Main Depth Beam	1
11	N33646	Hitch Beam	1
12	N33649	Hitch Bar	2
13	N33659	Wing Depth Beam	2
14	N33777	Outer Wing	2
15	N33789	Outer Wing Lift Bracket	2
16	N33864	Frame Brace Tube	2
17	N33887	Front Outer Wing Lift Bracket	2
18	N34317	Valve Bracket	1
19	C18758	Safety Chain Intermediate Support	1
20	C26321	Hose Holder Clamp	1
21	N34759	Plate	2
22	C18757	Retaining Washer	1
23	N33342	U-Bolt - 5/8 x 7 x 6 1/2	12
24	C-4377	Hex Bolt - 1 x 2 1/2 Lg	4
25	W-490	Hex Bolt - 1/2 x 2 1/2 Lg	1
26	D-5519	Hex Bolt - 1/2 x 3 1/4 Lg	1
27	C-695	Hex Bolt - 3/4 x 2 Lg	8
28	W-63	Hex Bolt - 3/4 x 3 Lg	2
29	S-1175	Hex Bolt - 3/4 x 4 1/2 Lg	8
30	S39395	Hex Bolt - 7/8 x 2 1/2 Lg	16
31	W-234	Hex Bolt - 7/8 x 3 1/2 Lg	16
32	C-3683	Hex Bolt - 5/8 x 9 Lg	8
33	D-5256	Hex Bolt - 3/4 x 4 Lg	1
34	S-711	Hex Jam Nut - 1	4
35	W-516	Hex Nut - 1/2	1
36	W-518	Hex Nut - 3/4	18
37	W-517	Hex Nut - 5/8	32
38	W-519	Hex Nut - 7/8	32
39	N33814	Pin 1 1/2 Dia x 6 5/8 UL	4
40	F-3405	Locknut - 1/2 Unitorque	3
41	D-5273	Unitorque Hex Locknut - 3/4	1
42	W-525	Lockwasher - 1/2	1
43	W-527	Lockwasher - 3/4	18
44	W-526	Lockwasher - 5/8	32
45	F10813	Lockwasher - 7/8	32
46	N33808	Pin - 1 1/4 Dia x 4 1/16 UL	4
47	T-5245	Spiral Pin - 3/8 x 2 1/2 Lg	8
48	W-1002	Spiral Pin - 5/16 x 2 Lg	2

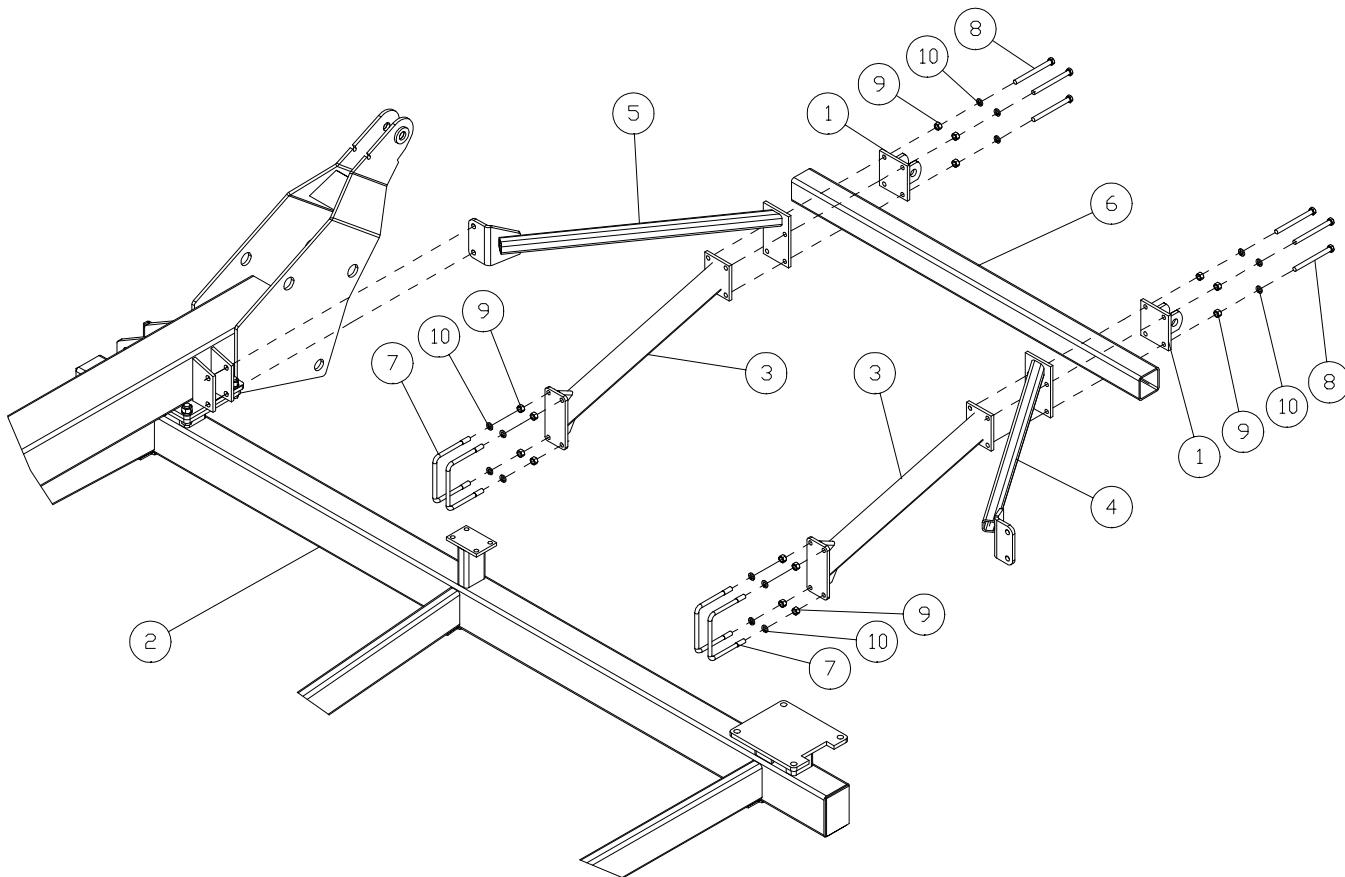
Frame & Hitch Assembly 34 ft & 40 ft Wing Brace



Frame & Hitch Assembly - 34 ft & 40 ft Wing Brace

Item	Part No.	Description	Qty
1	N33615	Main Frame	1
2	N33624	Inner Wing Frame - 34 & 40	2
3	N33637	Left Main Depth Beam	1
4	N33638	Right Main Depth Beam	1
5	N33659	Wing Depth Beam	2
6	N40531	Wing Brace Mount Plate - Left	1
7	N40536	Wing Brace Mount Plate - Right	1
8	N40539	Wing Brace	2
9	C26617	Pin - 1 1/4 Dia x 3 1/4 UL	4
10	N28994	Pin - 1 1/4 Dia x 4 1/4 UL	4
11	N40533	Bent Lug - Lower	2
12	N40534	Bent Lug - Upper	2
13	W-4181	Cotter Pin - 1/4 x 2 Lg	8
14	S39335	Cast Pivot Knuckle	4
15	D-5254	Hex Bolt - 3/4 x 3 Lg	4
16	W-234	Hex Bolt - 7/8 x 3 1/2 Lg	8
17	W-518	Hex Nut - 3/4	12
18	W-519	Hex Nut - 7/8	32
19	W-527	Lockwasher - 3/4	12
20	F10813	Lockwasher - 7/8	32

**Distribution
Hitch Extension - Tow Behind**



Item	Part No.	Description	Qty
1	N19203	Mounting Bracket	2
2	N33615	Main Frame	1
3	N33830	Hitch Extension Bar	2
4	N34415	Left Hitch Extension Brace	1
5	N34416	Righthitch Extension Brace	1
6	N34339	Tube	1
7	N33342	U-Bolt - 5/8 x 7 x 6 1/2	4
8	J12181	Hex Bolt - 5/8 x 7 Lg	8
9	W-517	Hex Nut - 5/8	16
10	W-526	Lockwasher - 5/8	16

Section 2: Depth Control Assembly

Section Contents

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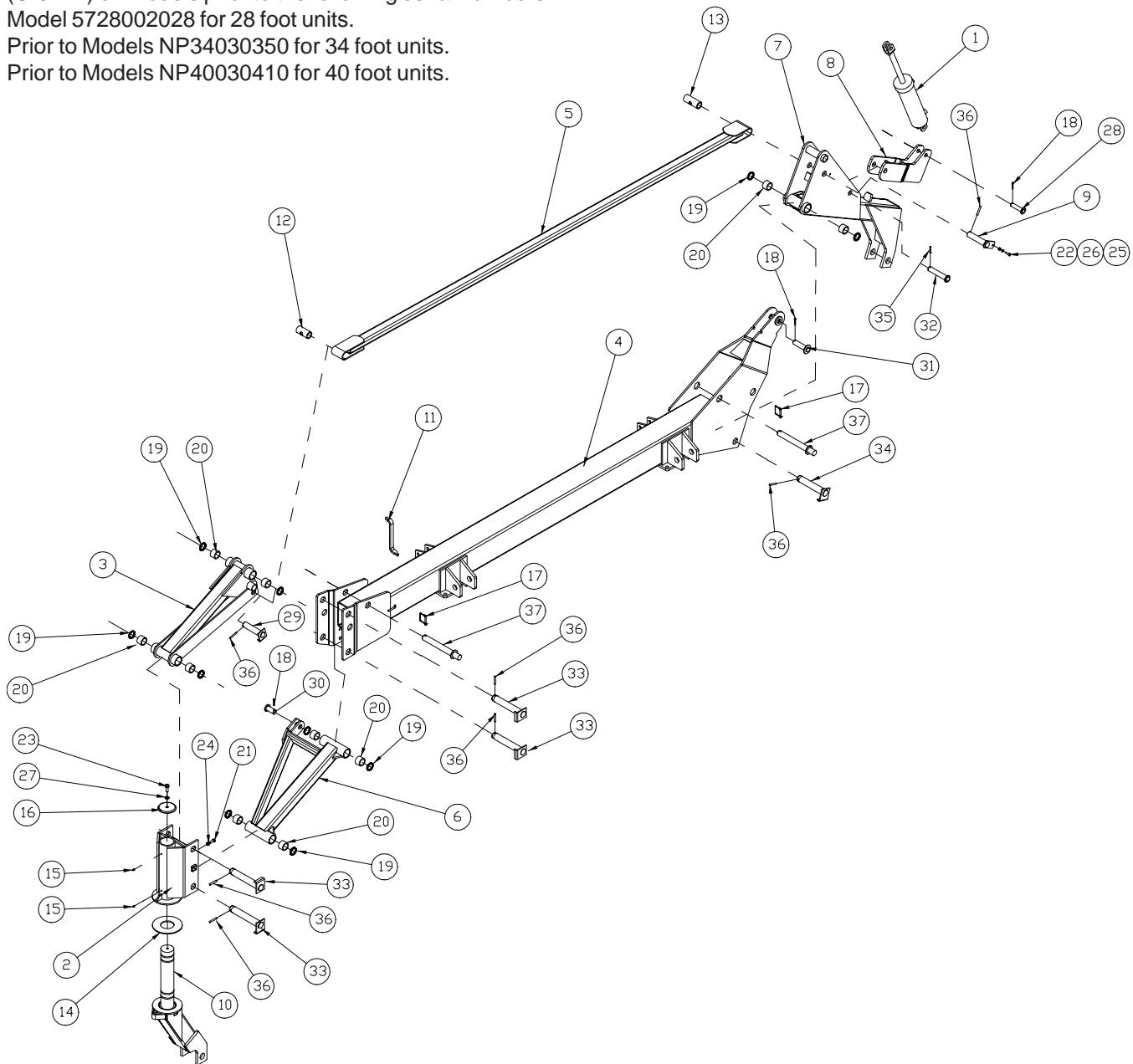
Depth Control Main Frame

The Butt-End of cylinders used a 1" Diameter Cylinder Pin (C-3717) on Models prior to the following serial numbers:

Model 5728002028 for 28 foot units.

Prior to Models NP34030350 for 34 foot units.

Prior to Models NP40030410 for 40 foot units.



Depth Control - Main Frame

Item	Part No.	Description	Qty
1	C33879	4 x 14 GBP Cylinder	1
2	N33610	Castor Bracket - Main	1
3	N33612	Main Upper Link	1
4	N34300	Left Main Depth Beam (28 ft)	1
	N33637	Left Main Depth Beam (34 ft & 40 ft)	1
4A	N34301	Right Main Depth Beam (28 ft)	1
	N33638	Right Main Depth Beam (34 ft & 40 ft)	1
5	N34307	Main Depth Link (28 ft)	1
	N33652	Main Depth Link (34 ft & 40 ft)	1
6	N33845	Main Lower Brace Link	1
7	N33850	Rear Main Axle	1
8	N33861	Main Cylinder Lug	1
9	N33872	Pivot Pin - 1 1/4 x 6 3/16 UL	1
10	S32558	Offset Castor HD Main	1
11	S34380	Adjusting Tool	1
12	N33761	Bushing - 4	1
13	N33762	Bushing - 5	1
14	N19423	Wear Plate	1
15	S-752	Grease Fitting - 1/4 Straight	2
16	C18781	Cap - 3 1/2	1
17	C13447	Quick Pin - 5/16	2
18	W-535	Cotter Pin - 1/4 x 1 1/2 Lg	3
19	C26266	Dust Seal - 1 3/4 Shaft	10
20	C26086	Garlock Bearing - 1 3/4 ID x 1 1/2 Lg	10
21	W-485	Hex Bolt - 1/2 x 1 1/4 Lg - Full Thread	1
22	W-187	Hex Bolt - 3/8 x 1 1/4 Lg	1
23	W-497	Hex Bolt - 5/8 x 1 1/2 Lg	1
24	S-1292	Hex Jam Nut - 1/2	1
25	W-514	Hex Nut - 3/8	1
26	W-523	Lockwasher - 3/8	1
27	W-526	Lockwasher - 5/8	1
28	N19368	Pin - 1 1/4 Dia x 4 UL	1
29	N33804	Pin - 1 1/2 Dia x 6 UL	1
30	N28997	Pin - 1 1/4 Dia x 2 1/4 UL	1
31	C26715	Pin - 1 1/4 Dia x 4 3/8 UL	1
32	N33874	Pin - 1 1/4 Dia x 6 3/16 UL	1
33	N33863	Pin - 1 3/4 Dia x 10 3/16 UL	4
34	N33766	Pin - 1 3/4 Dia x 9 1/16 UL	1
35	D-5244	Spiral Pin - 1/4 x 2 Lg	1
36	T-5245	Spiral Pin - 3/8 x 2-1/2 Lg	7
37	N33810	Transport Lock Pin - 1 1/2 x 10 1/2 UL	2

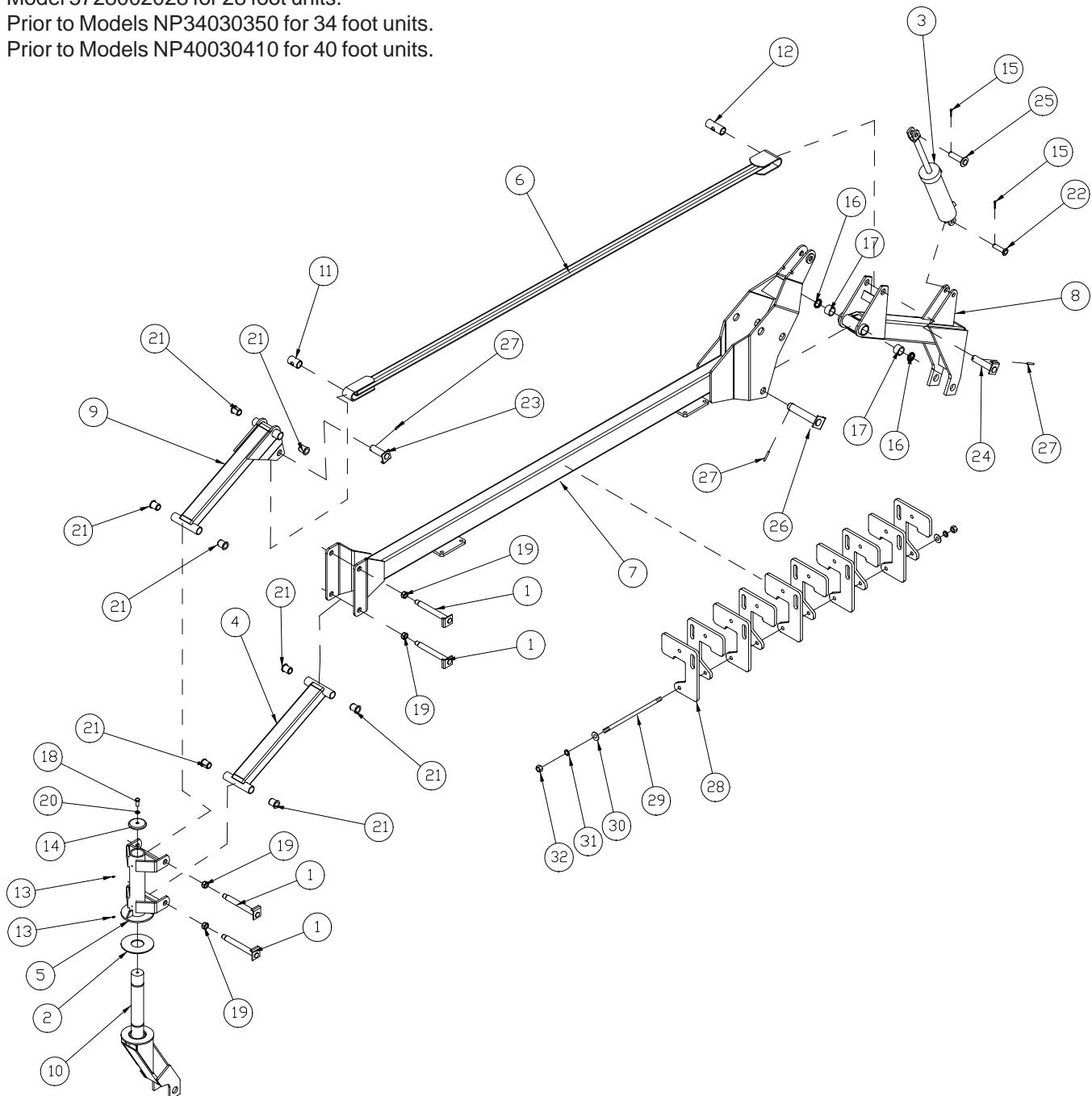
Depth Control Wing Frame

The Butt-End of cylinders used a 1" Diameter Cylinder Pin (C-1429) on Models prior to the following serial numbers:

Model 5728002028 for 28 foot units.

Prior to Models NP34030350 for 34 foot units.

Prior to Models NP40030410 for 40 foot units.



Depth Control - Wing Frame

Item	Part No.	Description	Qty
1	C18524	Pivot Pin - 1 1/4 x 10 3/32 UL	4
2	C18662	Wear Plate	1
3	C33880	3 x 3 3/4 GBP Cylinder	1
4	N31831	Lower Gauge Link	1
5	N33611	Castor Bracket - Wing	1
6	N33656	Wing Depth Link	1
7	N33659	Wing Depth Beam	1
8	N33665	Rear Wing Axle	1
9	N33759	Wing Top Link	1
10	S32547	Offset Castor - Wing	1
11	N33760	Bushing - 3	1
12	N33762	Bushing - 5	1
13	S-752	Grease Fitting - 1/4 Straight	2
14	C18782	Cap - 3	1
15	W-535	Cotter Pin - 1/4 x 1 1/2 Lg	2
16	C26266	Dust Seal - 1 3/4 Shaft	2
17	C26086	Garlock Bearing - 1 3/4 ID x 1 1/2 Lg	2
18	W-497	Hex Bolt - 5/8 x 1 1/2 Lg	1
19	D-5274	Locknut - 1 Unitorque	4
20	W-526	Lockwasher - 5/8	1
21	C18510	Bushing - Nylon	8
22	C26717	Pin - 1 1/4 x 3-3/8 UL	1
23	N33806	Pin - 1 1/2 Dia x 4-1/4 UL	1
24	N33771	Pin - 1 1/2 Dia x 6-3/16 UL	1
25	C26715	Pin - 1 1/4 Dia x 4-3/8 UL	1
26	N33766	Pin - 1 3/4 Dia x 9-1/16 UL	1
27	T-5245	Spiral Pin - 3/8 x 2 1/2 Lg	3
28	N34431	Weight - Frame - 3/4 x 12.5 x 15.25 - Optional	20
29	N37511	Rod-Threaded - 3/4	2
30	W-451	Flatwasher - 2 OD x 0.813 ID x 10 Ga	4
31	W-527	Lockwasher - 3/4	4
32	W-518	Hex Nut - 3/4	4
	N35687	Kit - Weight - Never Pin Disc Drill (Includes double the quantities of items 28 - 32) Order Kits through Wholegoods	

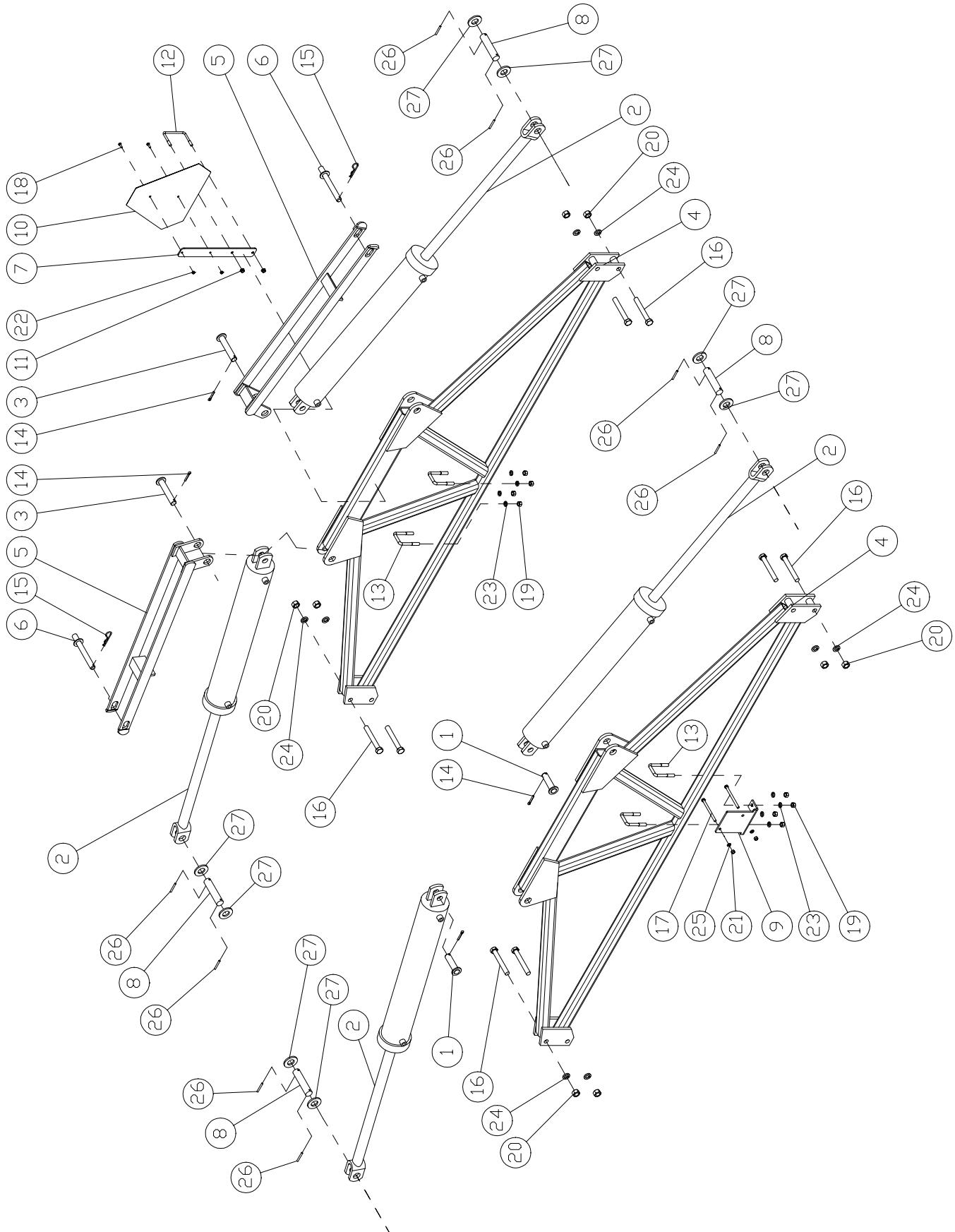
Notes

Section 3: Wing Lift Assembly

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40 ft Outer Wing	3-4

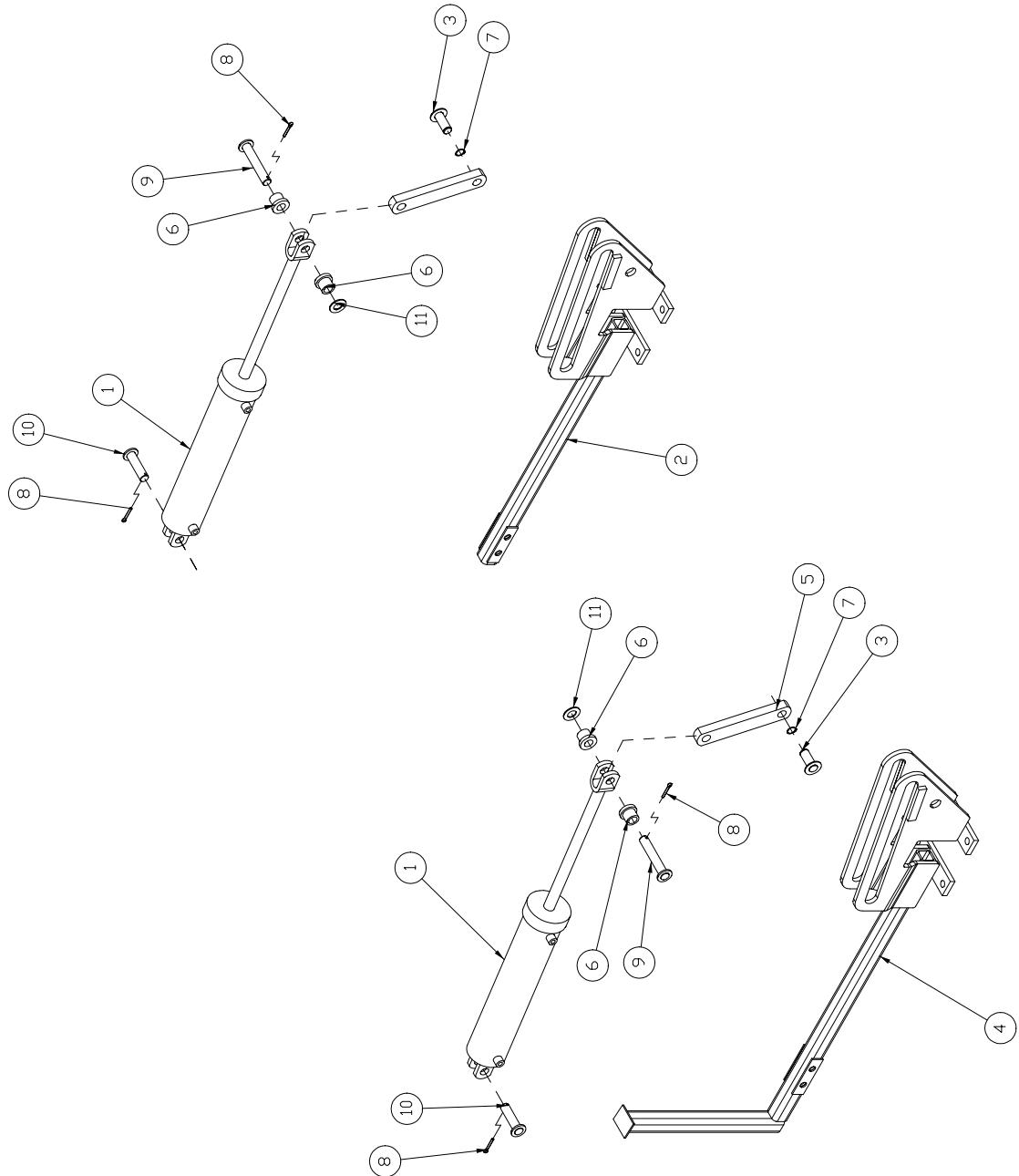
Wing Lift Assembly
28 ft, 34 ft & 40 ft Main Wing Lift



Wing Lift Assembly - 28 ft, 34 ft & 40 ft Main Wing Lift

Item	Part No.	Description	Qty
1	C-1429	Pin	2
2	C26303	Cylinder - 4 1/2 x 30 (28 ft and 34 ft)	4
	C33821	Cylinder - 5 x 30 (40 ft)	4
3	N17217	Pin - 1 Dia x 4 3/4 UL	2
4	N33630	Wing Lift Truss	2
5	N33885	Wing Lock Strap	2
6	S22352	Transport Lock Pin - 7/8 Dia x 5 3/4 UL	2
7	N34714	SMV Bracket	1
8	N33812	Pin - 1 1/4 Dia	4
9	N34320	Valve Bracket	1
10	N34475	Slow Vehicle Emblem	1
11	D-5279	Flange Locknut - 3/8	2
12	D-4932	U-Bolt - 3/8 x 4 x 3	1
13	N33800	U Bolt - 1/2 x 2 1/16 x 3 3/4	4
14	W-535	Cotter Pin - 1/4 x 1 1/2 Lg	4
15	BW-11	Hair Pin - 3/16 x 3 3/4 Lg	2
16	C-3919	Hex Bolt - 3/4 x 5 1/2 Lg	8
17	C-3918	Hex Bolt - 3/8 x 5 Lg	2
18	W-469	Hex Bolt - 1/4 x 3/4 Lg	2
19	W-516	Hex Nut - 1/2	8
20	W-518	Hex Nut - 3/4	8
21	W-514	Hex Nut - 3/8	2
22	N22778	Locknut - 1/4 Nylon Insert	2
23	W-525	Lockwasher - 1/2	8
24	W-527	Lockwasher - 3/4	8
25	W-523	Lockwasher - 3/8	2
26	D-5244	Spring Pin - 3/16 x 1 Lg	8
27	N13962	Flatwasher - 2-1/2 OD x 1-9/32 ID x 1/4	8
	F-4644	Decal - Caution "Transport Locks" (Not Shown)	2
	W-573	Decal - "MORRIS" (Not Shown)	1

Wing Lift Assembly 40 ft Outer Wing



Wing Lift Assembly - 40 ft Outer Wing

Item	Part No.	Description	Qty
1	C26436	Cylinder - 4 x 18	2
2	N33789	Outer Wing Lift Bracket	1
3	N33870	Pin - 1 x 2 5/16 UL	2
4	N33887	Front Outer Wing Lift Bracket	1
5	N33796	Wing Lift Link	2
6	N33797	Wing Lift Roller	4
7	N33895	External Snap Ring - 1	2
8	W-535	Cotter Pin - 1/4 x 1 1/2 Lg	4
9	F-3645	Pin - 1 Dia x 5-1/4 UL	2
10	C-1429	Pin - 1 x 3-3/8 UL	2
11	D-5498	Washer - 1-1/16 ID x 2 OD x 11 Ga	2

Notes

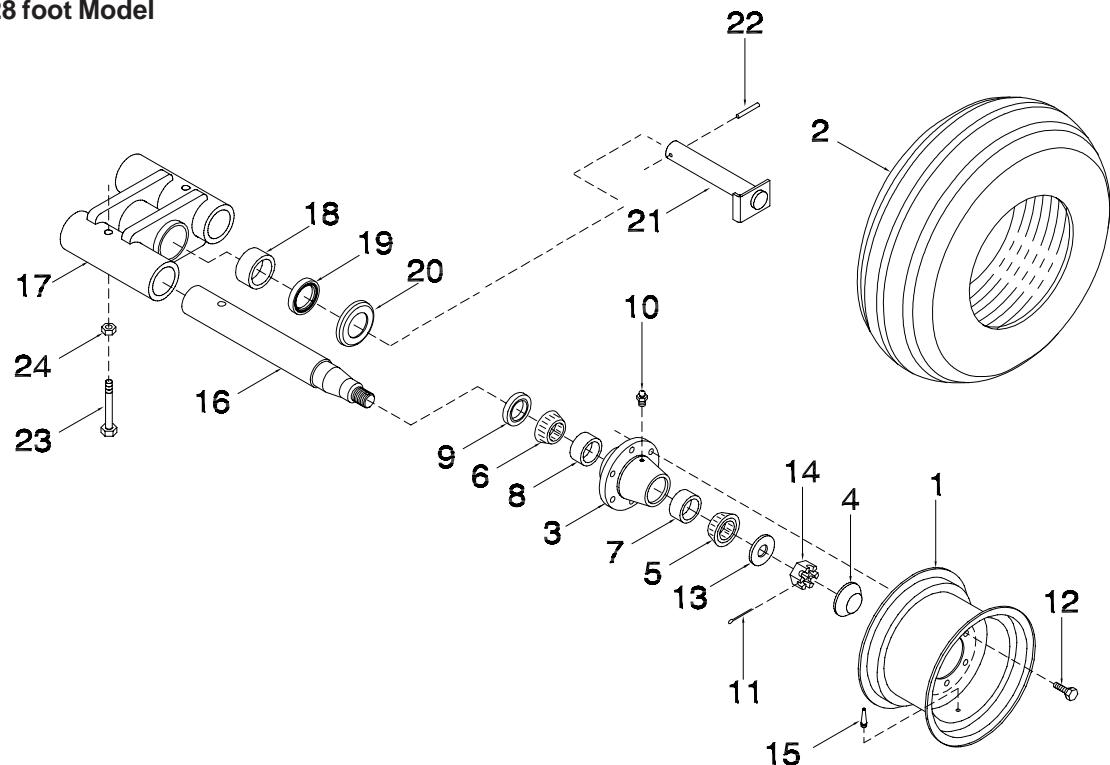
Section 4: Wheel & Hub Assembly

Section Contents

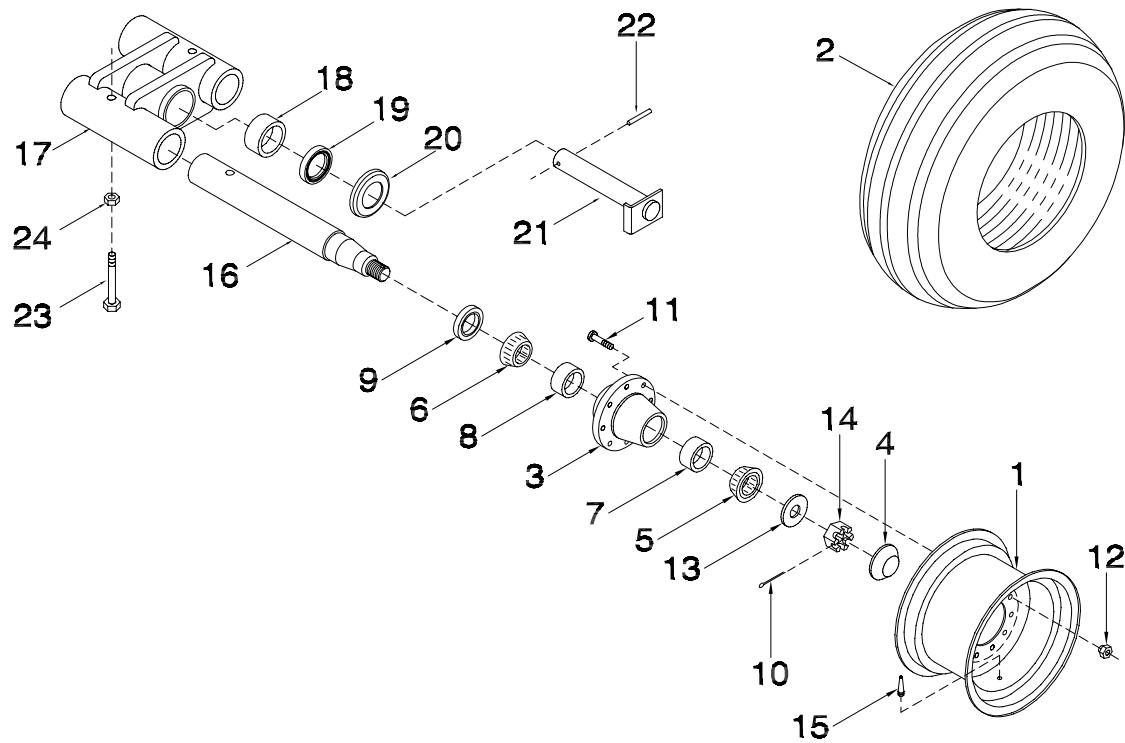
Main Frame Wheels & Hubs	4-2
Wing Frame Wheels & Hubs	4-4

Wheels
Main Frame Wheels & Hubs

28 foot Model



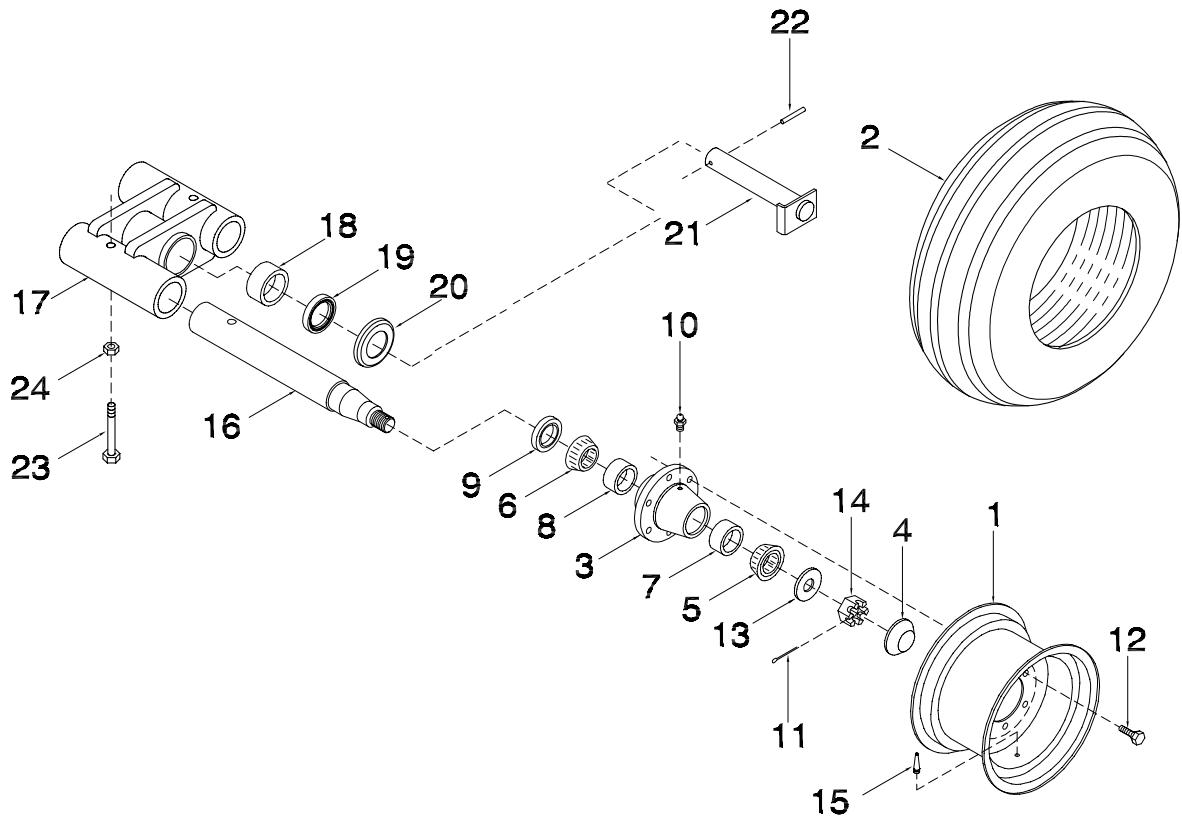
34 foot and 40 foot Model



Wheels - Main Frame Wheels & Hubs

Item	Part No.	Description	Qty
28 foot Model			
1	C-1473	Rim - 15 x 8 - 6 Bolt	8
2	K-5688	Tire - 11L x 15FI - Load Range D	8
3	C-1463	Heavy Duty Hub (Includes Items 7, 8 & 10)	8
4	C-1522	Dust Cap	8
5	W-1474	Outer Wheel Bearing	8
6	W-1475	Inner Wheel Bearing	8
7	W-1537	Outer Bearing Cup	8
8	W-1538	Inner Bearing Cup	8
9	C-1521	Seal	8
10	S-752	Grease Zerk - 1/4 NPT Straight	8
11	W-1416	Cotter Pin - 3/16 x 1 1/2.....	8
12	W-1383	Wheel Stud Bolt - 9/16 x 1 11/16	48
13	C-3258	Flatwasher - 2 OD x 1 1/16 ID x 3/16	8
14	S-1311	Slotted Nut - 1 SAE	8
15	C17348	Valve Stem - TR-416	8
16	S32545	Spindle - 2 Dia	8
17	S39440	Axle Bracket - Offset (Includes items 18 & 19)	4
18	C26086	Bearing - Garlock - 1 3/4 OD x 1 1/2 Lg	8
19	C26266	Dust Seal - 2.254 OD x 0.266 Thick.....	8
20	C26082	Washer - Formed - 1 3/4 ID	8
21	C26085	Pin - Walking Beam Pivot - 1 3/4 x 6 5/8 UL	4
22	T-5245	Spiral Pin - 3/8 x 2 1/2	4
23	W-493	Hex Bolt - 1/2 x 3-1/2 Lg	8
24	F-3405	Locknut - 1/2 Unitorque	8
34 foot and 40 foot Model			
1	C17355	Rim - 15 x 10 - 8 Bolt	8
2	C16609	Tire - 11L x 15FI - Load Range F (34 ft Only)	8
	C26840	Tire - 12.5 x 15FI - Load Range F (40 ft Only)	8
3	N19173	Hub (Includes Items 7, 8 & 11)	8
4	N19171	Dust Cap	8
5	N19170	Outer Wheel Bearing	8
6	N19169	Inner Wheel Bearing	8
7	N19168	Outer Bearing Cup	8
8	N19167	Inner Bearing Cup	8
9	N19172	Seal	8
10	D-5239	Cotter Pin - 1/4 x 2 1/4	8
11	N19727	Wheel Stud - 5/8 x 18 UNF x 2 1/2	48
12	N19586	Wheel Nut - 5/8	48
13	N13962	Flatwasher	8
14	N19484	Castle Nut - 1 1/4	8
15	C17348	Valve Stem - TR-416	8
16	S32556	Spindle - 2 1/2 Dia	8
17	S32557	Axle Bracket - Offset	4
18	C26086	Bearing - Garlock - 1 3/4 OD x 1 1/2 Lg	8
19	C26266	Dust Seal - 2.254 OD x 0.266 Thick.....	8
20	C26082	Washer - Formed - 1 3/4 ID	8
21	C26085	Pin - Walking Beam Pivot - 1 3/4 x 6 5/8 UL	4
22	T-5245	Spiral Pin - 3/8 x 2 1/2	4
23	W-495	Hex Bolt - 1/2 x 4 Lg	8
24	F-3405	Locknut - 1/2 Unitorque	8

Wheels
Wing Frame Wheels & Hubs



Wheels - Wing Frame Wheels & Hubs

Item	Part No.	Description	Qty
1	C16611	Rim - 15 x 10 - 6 Bolt.....	8
2	W14600	Tire - 11L x 15SL - 6 Ply rating (28 ft & 34 ft)	8
	C17319	Tire - 12.5L x 15SL - 8 Ply rating (40 ft)	8
3	C-1463	Heavy Duty Hub (Includes Items 7, 8 & 10)	8
4	C-1522	Dust Cap	8
5	W-1474	Outer Wheel Bearing	8
6	W-1475	Inner Wheel Bearing	8
7	W-1537	Outer Bearing Cup	8
8	W-1538	Inner Bearing Cup	8
9	C-1521	Seal	8
10	S-752	Grease Zerk - 1/4 NPT Straight	8
11	W-1416	Cotter Pin - 3/16 x 1 1/2	8
12	W-1383	Wheel Stud Bolt - 9/16 x 1 11/16	48
13	C-3258	Flatwasher - 2 OD x 1 1/16 ID x 3/16	8
14	S-1311	Slotted Nut - 1 SAE	8
15	W-3328	Valve Stem - TR-415 (28 ft & 34 ft)	8
	C17348	Valve Stem - TR-416 (40 ft)	8
16	S32545	Spindle - 2 Dia	8
17	S39440	Axle Bracket - Offset (Includes items 18 & 19)	4
18	C26086	Bearing - Garlock - 1 3/4 OD x 1 1/2 Lg	8
19	C26266	Dust Seal - 2.254 OD x 0.266 Thick	8
20	C26082	Washer - Formed - 1 3/4 ID	8
21	S32540	Pin - Walking Beam Pivot - 1 3/4 x 6 1/16 UL	4
22	T-5245	Spiral Pin - 3/8 x 2 1/2	4
23	W-493	Hex Bolt - 1/2 x 3-1/2 Lg	8
24	F-3405	Locknut - 1/2 Unitorque	8

Notes

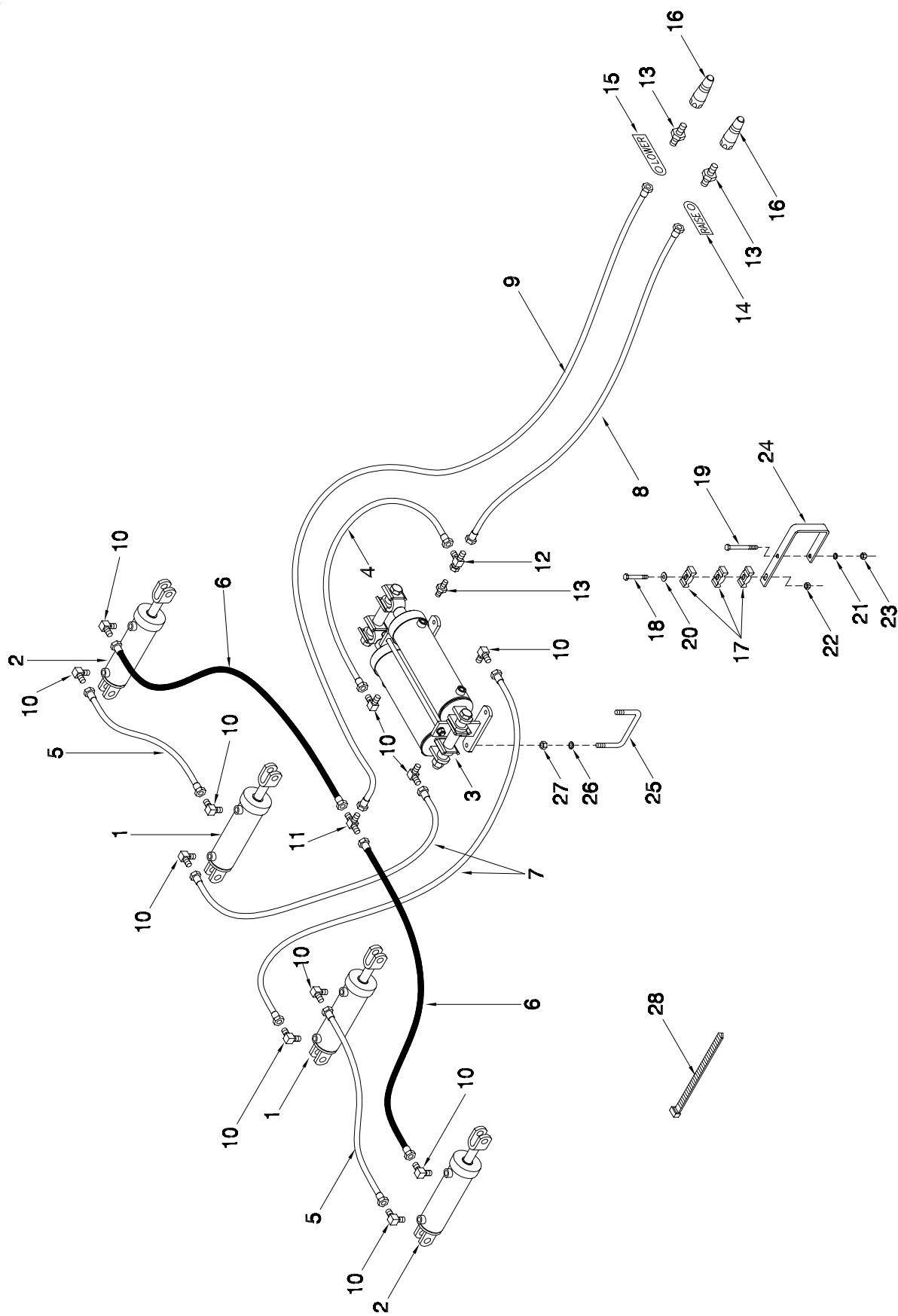
Section 5:

Depth Control Hydraulics

Section Contents

28 ft, 34 ft and 40 ft	5-2
Flow Divider	5-4

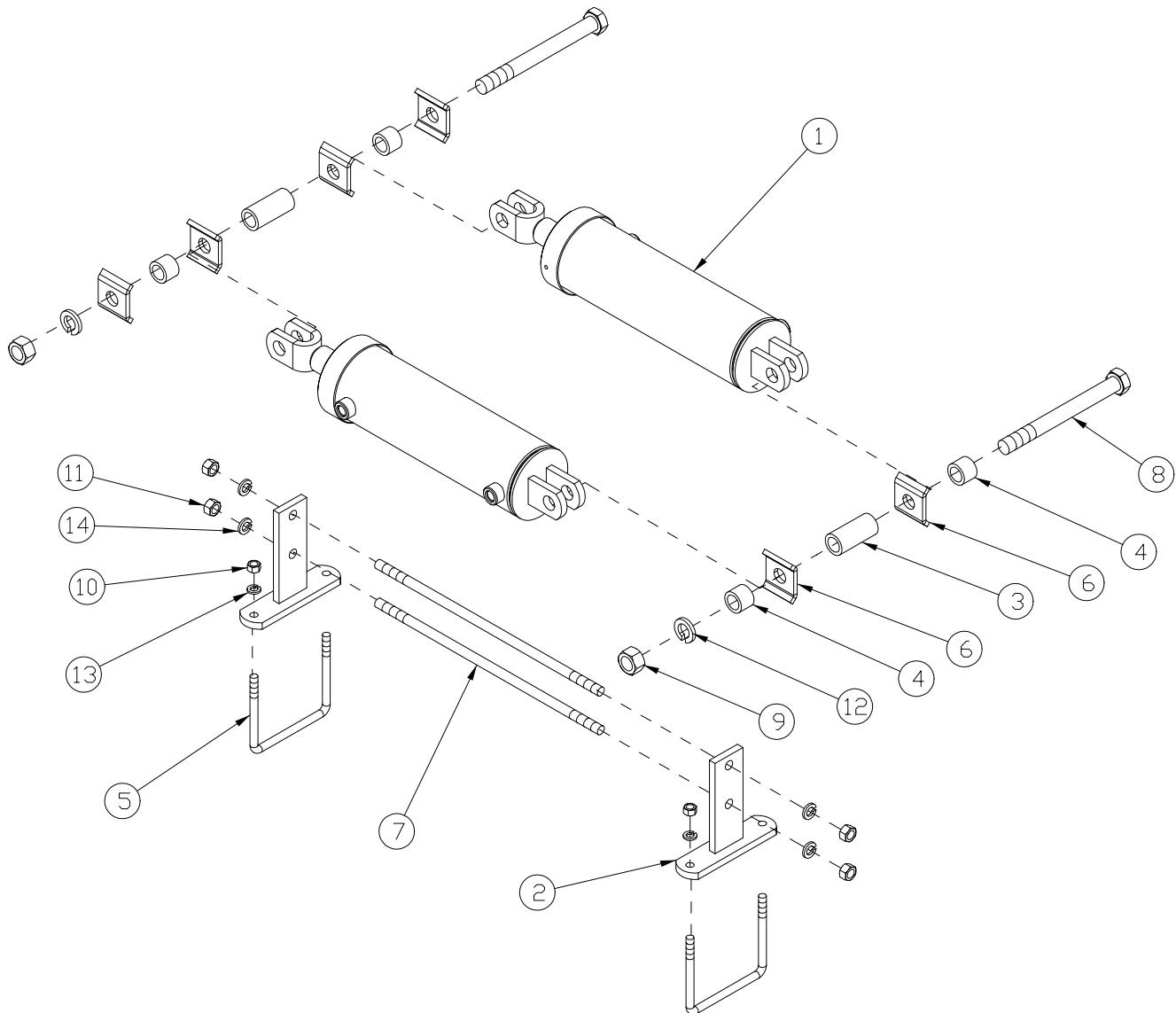
Depth Control Hydraulics
28 ft, 34 ft and 40 ft



Depth Control Hydraulics - 28 ft, 34 ft and 40 ft

Item	Part No.	Description	Qty
1	C33879	Cylinder - 4 x 14 Gland-By-Pass	2
2	C33880	Cylinder - 3 3/4 x 14 Gland-By-Pass	2
3	C33822	Flow Divider - 2 - Cylinder - 4 1/2 x 12 Butt-By-Pass	1
4	C-4468	Hydraulic Hose - 1/2 x 24 - 7/8-14 FJIC	1
5	N21721	Hydraulic Hose - 1/2 x 180 - 7/8-14 FJIC (28 ft)	2
	S29841	Hydraulic Hose - 1/2 x 222 - 7/8-14 FJIC (34 ft & 40 ft)	2
6	C26336	Hydraulic Hose - 1/2 x 198 - 7/8-14 FJIC (28 ft)	2
	C26346	Hydraulic Hose - 1/2 x 240 - 7/8-14 FJIC (34 ft & 40 ft)	2
7	C26346	Hydraulic Hose - 1/2 x 240 - 7/8-14 FJIC	2
8	C26337	Hydraulic Hose - 1/2 x 276 - 7/8-14 FJIC	1
9	N34444	Hydraulic Hose - 1/2 x 372 - 7/8-14 FJIC	1
10	C24585	Swivel Elbow - 90 degree - 7/8-14 MJIC x 3/4-16 ORB	11
11	C-4394	Tee - (3) 7/8-14 MJIC	1
12	H18746	Tee - (2) 7/8-14 MJIC x (1) 7/8-14 FJIC	1
13	C14840	Male Connector - 3/4-16 ORB x 7/8-14 MJIC	3
14	S29958	Tag - Hose ID - Depth Control - RAISE	1
15	S29959	Tag - Hose ID - Depth Control - LOWER	1
16	N34443	Male Tip - 3/4-16 ORB	2
17	C-4698	Nylon Oil Line Clamp	12
18	C-1550	Hex Bolt - 3/8 x 4	4
19	C-3918	Hex Bolt - 3/8 x 5	4
20	W-538	Flatwasher - 3/8	4
21	W-523	Lockwasher - 3/8	4
22	M-3388	Lock Nut - 3/8	4
23	W-514	Hex Nut - 3/8	4
24	C14411	Oil Line Bracket	4
25	H-4322	U-Bolt - 5/8	2
26	W-526	Lockwasher - 5/8	4
27	W-517	Hex Nut - 5/8	4
28	*****	Nylon Tie Strap (See Wing Lift Hydraulics for requirements)	4

Depth Control Hydraulics Flow Divider



Item	Part No.	Description	Qty
1	C33997	Cylinder - 4 1/2 x 12 Butt-By-Pass	2
2	N34309	Mounting Bracket	2
3	N34313	Spacer	2
4	N34312	Spacer	4
5	H-4322	U-Bolt - 5/8	2
6	C18754	Retainer	2
7	C18589	Tie Rod - 5/8	2
8	C18756	Hex Bolt - 1 x 10 Lg	2
9	W-520	Hex Nut - 1	2
10	W-516	Hex Nut - 1/2	4
11	W-517	Hex Nut - 5/8	4
12	C-705	Lockwasher - 1	2
13	W-525	Lockwasher - 1/2	4
14	W-526	Lockwasher - 5/8	4

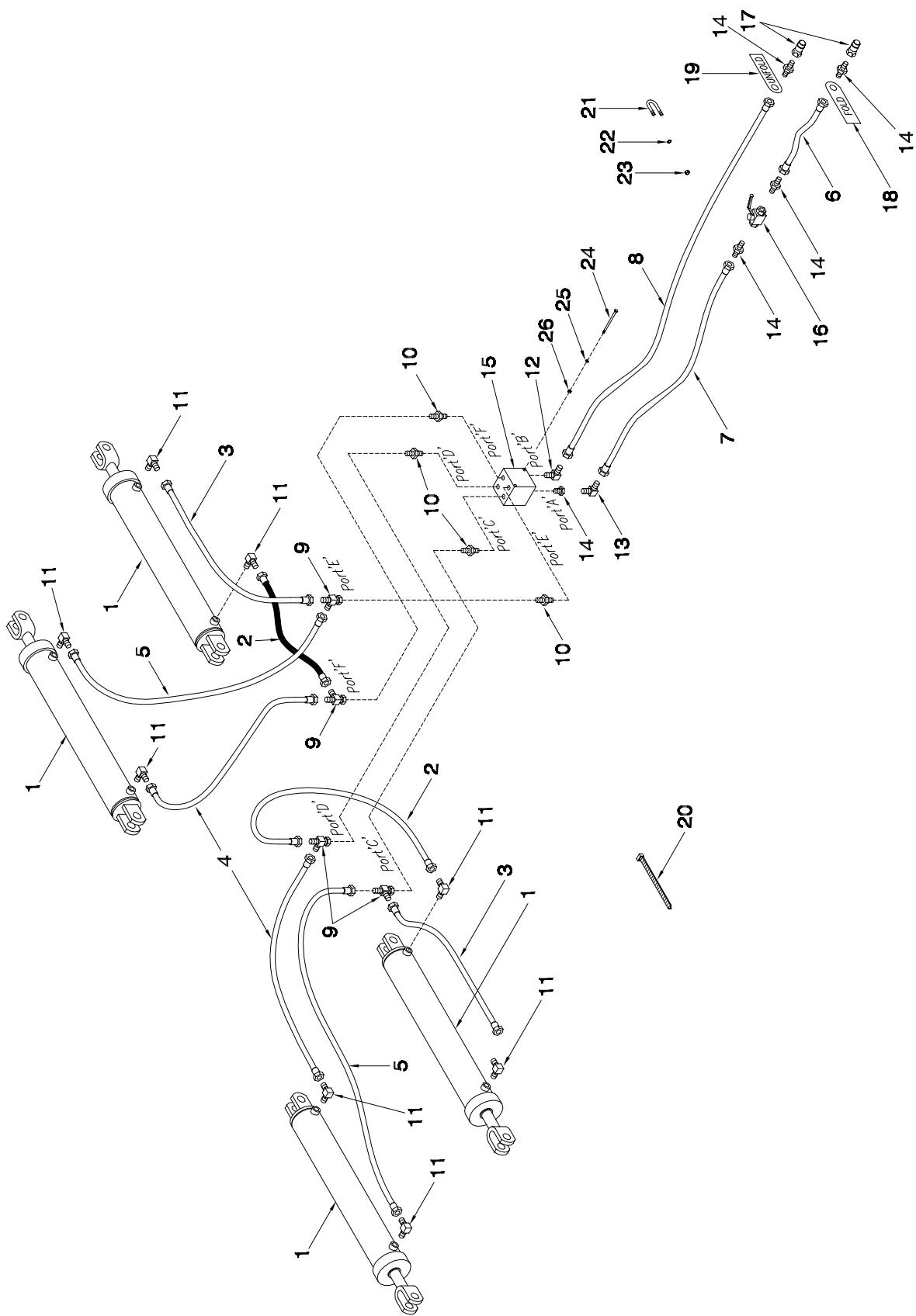
Section 6:

Wing Lift Hydraulics

Section Contents

28 ft and 34 ft	6-2
40 ft	6-4

Wing Lift Hydraulics 28 ft and 34 ft

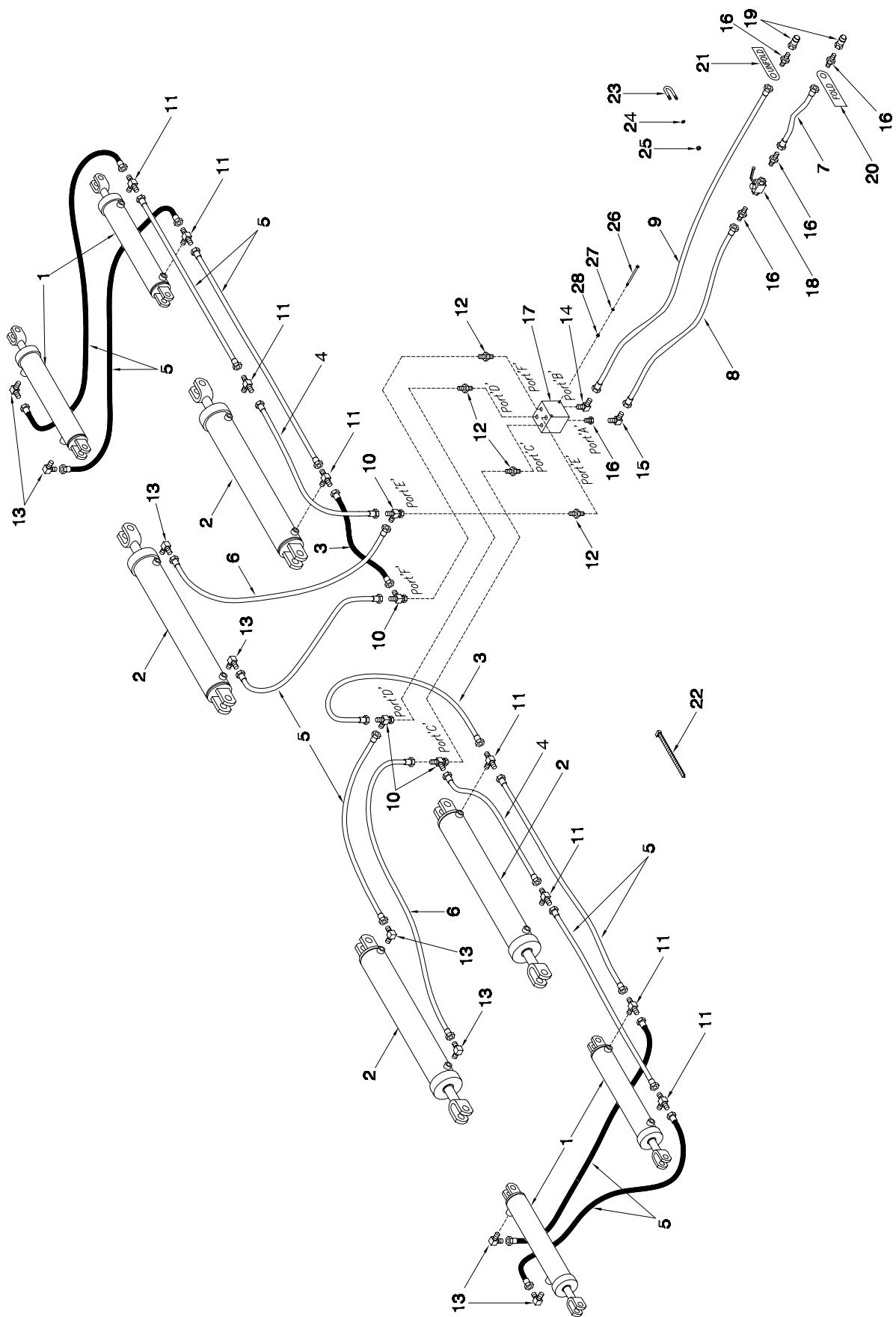


Wing Lift Hydraulics - 28 ft and 34 ft

Item	Part No.	Description	Qty
1	C26303	Cylinder - 4 1/2 x 30	4
2	C14835	Hyd. Hose - 1/4 x 36 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
3	S22406	Hyd. Hose - 1/4 x 72 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
4	F14658	Hyd. Hose - 1/4 x 150 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
5	D17585	Hyd. Hose - 1/4 x 176 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
6	C18779	Hyd. Hose - 1/2 x 72 - 7/8-14 FJIC Ends	1
7	C26336	Hyd. Hose - 1/2 x 198 - 7/8-14 FJIC Ends	1
8	N34445	Hyd. Hose - 1/2 x 294 - 7/8-14 FJIC Ends	1
9	C-4403	Swivel Tee - (2) 9/16-18 MJIC x (1) 9/16-18 FJIC	4
10	C15348	Male Connector - 3/4-16 ORB x 9/16-18 JIC	4
11	N16143	Elbow 90 deg - 9/16-18 JIC x 9/16-18 ORB	8
12	C24585	Elbow 90 deg - 7/8-14 MJIC x 3/4-16 ORB	1
13	K-5806	Elbow 90 deg - 7/8-14 FJIC x 7/8-14 MJIC	1
14	C14840	Reducer - 3/4-16 MORB x 7/8-14 MJIC	5
15	C26876	Manifold - Pressure Compensated Flow Control	1
16	N34315	Valve - 2 Way Ball	1
17	N34443	Male Tip - 3/4-16 ORB	2
18	C29960	Tag - Hose ID - Wing Lift - FOLD	1
19	C29961	Tag - Hose ID - Wing Lift - UNFOLD	1
20	S13336	Nylon Tie Strap - 1/2 x 28 1/4	24
20A	D-4838	Nylon Tie Strap - 1/2 x 14 1/2	24
20B	D-4951	Nylon Tie Strap - 1/2 x 7 3/8	8
21	N34319	U-Bolt - 1/4 x 1 1/2 x 1 3/4 Lg	2
22	W-521	Lockwasher - 1/4	4
23	W-512	Hex Nut - 1/4	4
24	C-3918	Hex Bolt - 3/8 x 5 Lg	2
25	W-523	Lockwasher - 3/8	2
26	W-514	Hex Nut - 3/8	2

Wing Lift Hydraulics

40 ft



Wing Lift Hydraulics - 40 ft

Item	Part No.	Description	Qty
1	C26436	Cylinder - 4 x 18	4
2	C33821	Cylinder - 5 1/2 x 30	4
3	C14835	Hyd. Hose - 1/4 x 36 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
4	S22406	Hyd. Hose - 1/4 x 72 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
5	F14658	Hyd. Hose - 1/4 x 150 - 9/16-18 FJIC x 9/16-18 FJIC Ends	10
6	D17585	Hyd. Hose - 1/4 x 176 - 9/16-18 FJIC x 9/16-18 FJIC Ends	2
7	C18779	Hyd. Hose - 1/2 x 72 - 7/8-14 FJIC Ends	1
8	C26336	Hyd. Hose - 1/2 x 198 - 7/8-14 FJIC Ends	1
9	N34445	Hyd. Hose - 1/2 x 294 - 7/8-14 FJIC Ends	1
10	C-4403	Swivel Tee - (2) 9/16-18 MJIC x (1) 9/16-18 FJIC	4
11	N31908	Swivel Tee - (2) 9/16-18 MJIC x (1) 9/16-18 MORB	8
12	C15348	Male Connector - 3/4-16 ORB x 9/16-18 JIC	4
13	N16143	Elbow 90 deg - 9/16-18 JIC x 9/16-18 ORB	8
14	C24585	Elbow 90 deg - 7/8-14 MJIC x 3/4-16 ORB	1
15	K-5806	Elbow 90 deg - 7/8-14 FJIC x 7/8-14 MJIC	1
16	C14840	Reducer - 3/4-16 MORB x 7/8-14 MJIC	5
17	C26876	Manifold - Pressure Compensated Flow Control	1
18	N34315	Valve - 2 Way Ball	1
19	N34443	Male Pioneer Tip - 3/4-16 ORB	2
20	C29960	Tag - Hose ID - Wing Lift - FOLD	1
21	C29961	Tag - Hose ID - Wing Lift - UNFOLD	1
22	S13336	Nylon Tie Strap - 1/2 x 28 1/4	24
22A	D-4838	Nylon Tie Strap - 1/2 x 14 1/2	24
22B	D-4951	Nylon Tie Strap - 1/2 x 7 3/8	8
23	N34319	U-Bolt - 1/4 x 1 1/2 x 1 3/4 Lg	2
24	W-521	Lockwasher - 1/4	4
25	W-512	Hex Nut - 1/4	4
26	C-3918	Hex Bolt - 3/8 x 5 Lg	2
27	W-523	Lockwasher - 3/8	2
28	W-514	Hex Nut - 3/8	2

Notes

Section 7:

Hydraulic Cylinders

Section Contents

Depth Control	7-2
Wing Lift	7-4

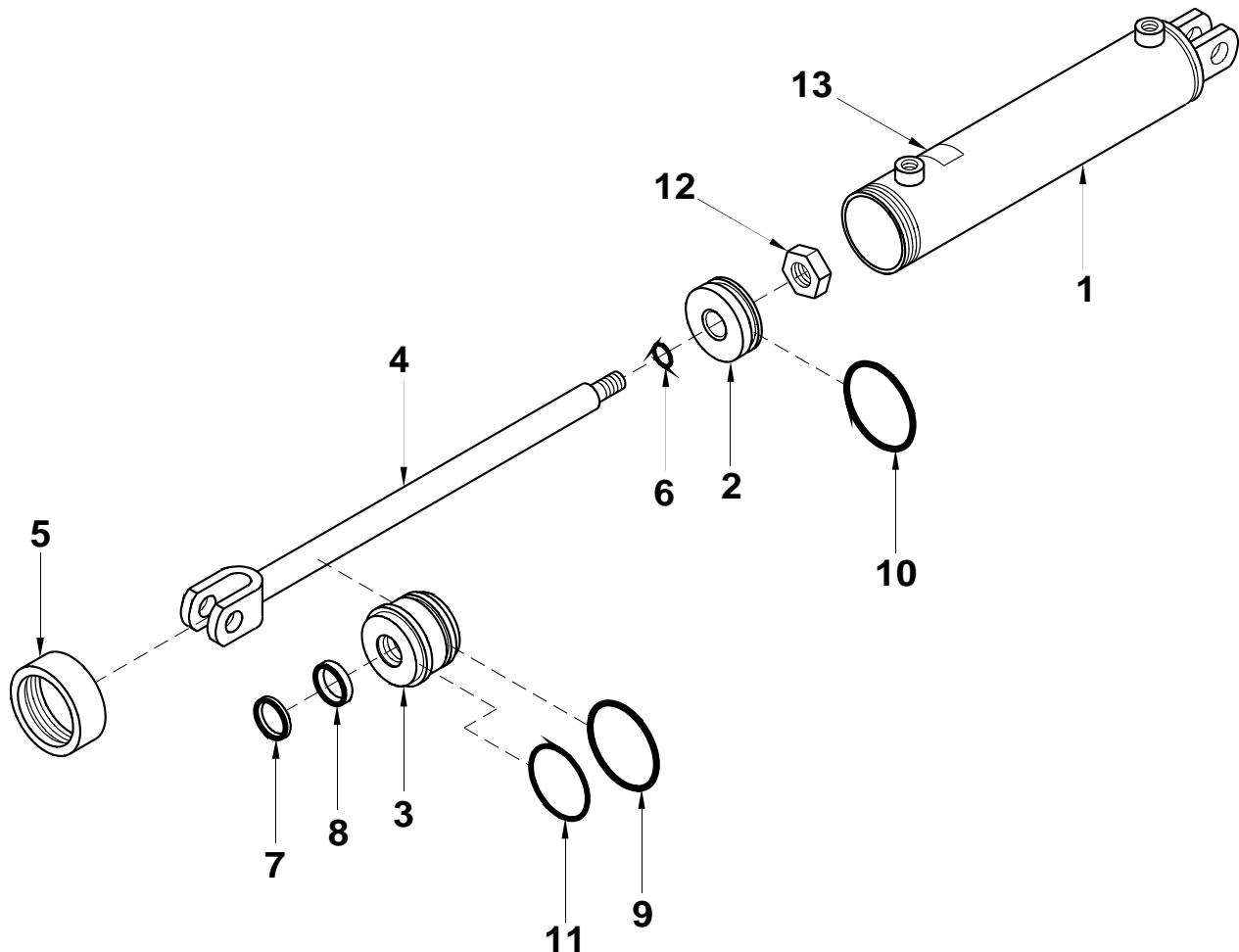
Hydraulic Cylinders Depth Control

The Butt-End of cylinders used a 1 inch Diameter Cylinder Pin on Models prior to the following serial numbers:

Model 5728002028 for 28 foot units.

Prior to Models NP34030350 for 34 foot units.

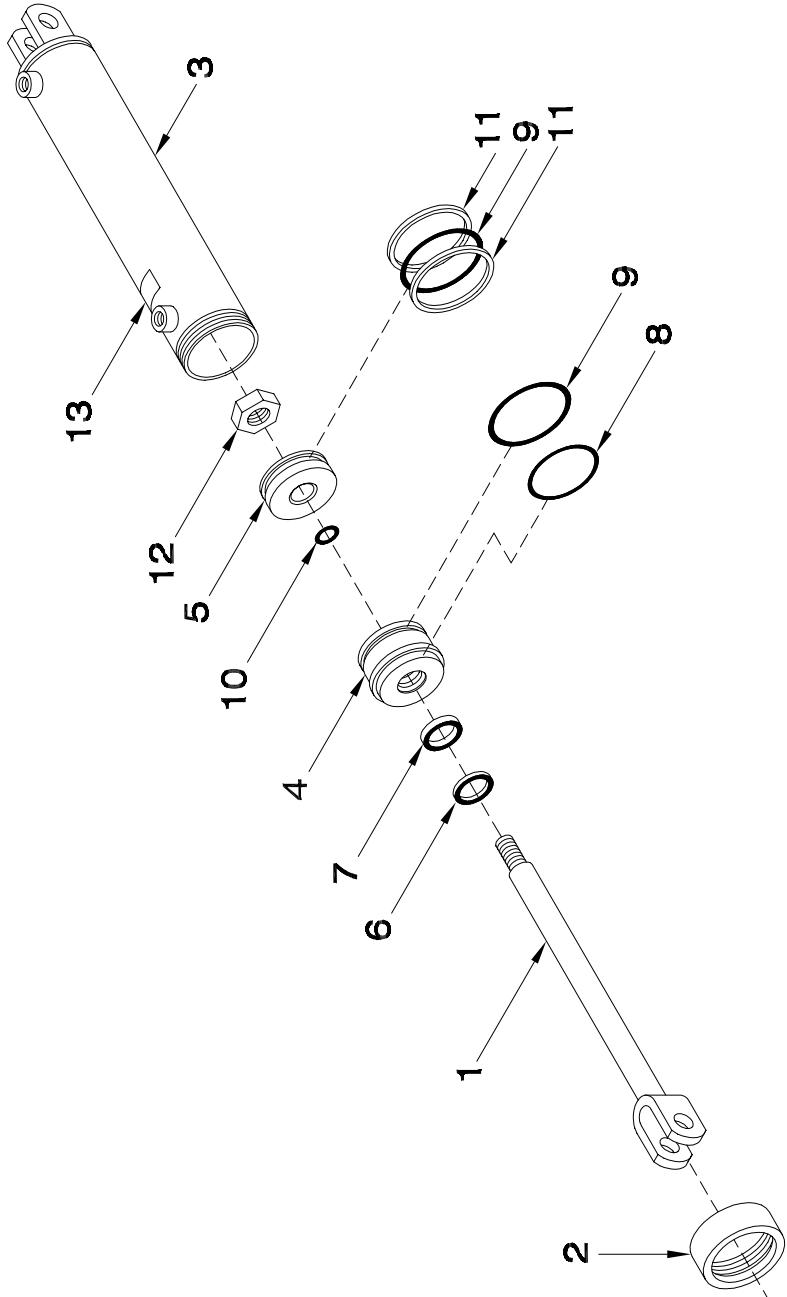
Prior to Models NP40030410 for 40 foot units.



Hydraulic Cylinders -Depth Control

Item	Part No.	Description	Qty
		Depth Control Cylinder - C33879 - 4 x 14 GBP	
1	C33896	Barrel - 4 x 14 Gland-By-Pass	1
2	C-2031	Piston - 4 Dia - 7/8 Shaft	1
3	C26290	Gland - 4 Dia - 1 3/8 Shaft	1
4	C33878	Cylinder Shaft - 1 3/8 Dia x 21 7/8	1
5	C-2023	Collar - 4 Cylinder	1
6	C-2187	1 OD x 1/16 C/S 90D BUNA O-Ring	1
7	C26265	1 3/8 ID x 3/16 C/S 90D URTH Wiper	1
8	C26264	1 3/8 ID x 5/16 C/S 90D URTH U-Cup	1
9	C-2030	4 OD x 3/16 C/S 90D BUNA O-Ring	1
10	C-2025	4 OD x 3/16 C/S 90D URTH O-Ring	1
11	C-2215	3 7/8 OD x 1/16 C/S 70A BUNA-N O-Ring	1
12	C-2017	Locknut - 7/8 UNF Unitorque	1
13	C33881	Part # Plate for C33879	1
	C33879	Cylinder Assembly (Includes All Above Items)	
	C26308	Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)	
		Depth Control Cylinder - C33880 - 3 3/4 x 14 GBP	
1	C33898	Barrel - 3 3/4 x 14 Gland-By-Pass	1
2	C26291	Piston - 3 3/4 Dia - 7/8 Shaft	1
3	C26289	Gland - 3 3/4 Dia - 1 3/8 Shaft	1
4	C33878	Cylinder Shaft - 1 3/8 Dia x 21 7/8	1
5	C26292	Collar - 3 3/4 Cylinder	1
6	C-2187	1 OD x 1/16 C/S 90D BUNA O-Ring	1
7	C26265	1 3/8 ID x 3/16 C/S 90D URTH Wiper	1
8	C26264	1 3/8 ID x 5/16 C/S 90D URTH U-Cup	1
9	C26262	3 3/4 OD x 3/16 C/S 90D BUNA O-Ring	1
10	C26261	3 3/4 OD x 3/16 C/S 90D URTH O-Ring	1
11	C26263	3 5/8 OD x 1/16 C/S 70A BUNA-N O-Ring	1
12	C-2017	Locknut - 7/8 UNF Unitorque	1
13	C33882	Part # Plate for C33880	1
	C33880	Cylinder Assembly (Includes All Above Items)	
	C26309	Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)	
		Depth Control Cylinder - C33997 - 4 1/2 x 12 BBP	
1	C33945	Barrel - 4 1/2 x 12 Butt-By-Pass	1
2	C33996	Piston - 4 1/2 Dia - 1 Shaft (No Backups)	1
3	C-2154	Gland - 4 1/2 Dia - 1 3/4 Shaft	1
4	C33993	Cylinder Shaft - 1 3/4 Dia x 19 15/16	1
5	C-2155	Collar - 4 1/2 Cylinder	1
6	C13282	1 1/8 OD x 1/16 C/S 90D BUNA O-Ring	1
7	C-2136	1 3/4 ID x 3/16 C/S 90D URTH Wiper	1
8	C-2135	1 3/4 ID x 3/8 C/S 90D URTH U-Cup	1
9	C-2164	4 1/2 OD x 3/16 C/S 90D BUNA O-Ring	1
10	C-2163	4 1/2 OD x 3/16 C/S 90D URTH O-Ring	1
11	C-2215	3 7/8 OD x 1/16 C/S 70A BUNA-N O-Ring	1
12	C13763	Locknut - 1-14 UNS Unitorque	1
13	C34314	Part # Plate for C33997	1
	C33997	Cylinder Assembly (Includes All Above Items)	
	C34321	Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)	

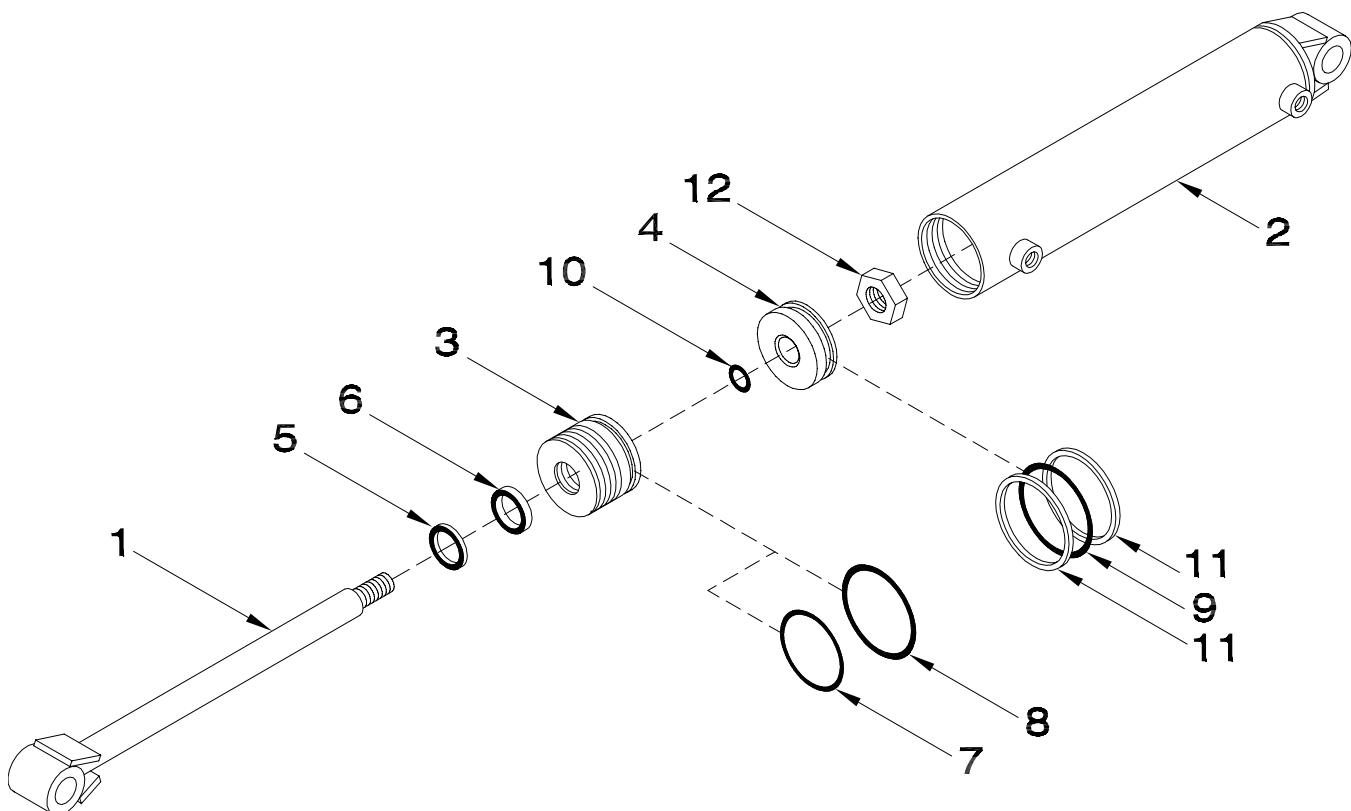
Hydraulic Cylinders Wing Lift



Hydraulic Cylinders - Wing Lift

Item	Part No.	Description	Qty
		Wing Lift Cylinder - C26436 - 4 x 18	
1	C32025	Shaft - 1 1/4 dia x 25 7/8	1
2	C-2023	Collar	1
3	C26437	Barrel - 4 x 18 ORB	1
4	C-2026	Gland	1
5	C16637	Piston	1
6	C-2007	Shaft Wiper	1
7	C-2008	Shaft Seal	1
8	C-2215	Gland Collar O-Ring	1
9	C-2030	O-Ring	2
10	C-2187	O-Ring	1
11	C15386	Back-Up Washer	2
12	C-2017	Unitorque Locknut - 7/8	1
13	C26846	Part No Plate for C26436	1
	C26436	Cylinder Assembly (Includes All Above Items)	
	C20449	Seal Kit (Includes Items 6, 7, 8, 9, 10 & 11)	
		Wing Lift Cylinder - C34442 - 4 1/2 x 30	
1	C26190	Cylinder Shaft - 1 3/4	1
2	C-2155	Collar - 4 1/2 Cylinder	1
3	C34441	Barrel - 4 1/2 x 30 ORB	1
4	C-2154	Gland - 4 1/2 Dia - 1 3/4 Shaft	1
5	C12836	Piston - 4 1/2 Dia - 1" Shaft	1
6	C-2136	1 3/4 ID x 3/16 C/S 90D URTH WIPER	1
7	C-2135	1 3/4 ID x 3/8 90D URTH U-CUP	1
8	C-2215	3 7/8 OD x 1/16 C/S 70A BUNA-N O-RING	1
9	C-2164	4 1/2 OD x 3/16 C/S 90D BUNA O-RING	2
10	C13282	1 1/8 OD x 1/16 C/S 90D BUNA O-RING	1
11	C15387	Backup Washer - 4 1/2 Dia - #346	2
12	C13763	Locknut - 1-14 UNS Unitorque	1
13	C36064	Part # Plate for C34442	1
	C34442	Cylinder Assembly (Includes All Above Items)	
	C12849	Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)	

Hydraulic Cylinders Wing Lift



Item	Part No.	Description	Qty
1	C34591	Wing Lift Cylinder - C33821 - 5 1/2" x 30"	1
2	C34590	Cylinder Shaft	1
3	C34589	Barrel - 5 1/2 x 30 ORB	1
4	C34593	Gland - 5 1/2 Dia	1
5	C34598	Piston - 5 1/2 Dia	1
6	C34599	Wiper	1
7	C34600	Shaft Seal	1
8	C34588	Backup Ring	1
9	C34595	Gland Seal	1
10	C34592	Piston Seal	1
11	C34594	Shaft Seal	1
12	C34596	Backup Ring - 5 1/2 Dia	2
	C33821	Locknut	1
	C34597	Cylinder Assembly (Includes All Above Items) Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11)	

Section 8:

Openers

Section Contents

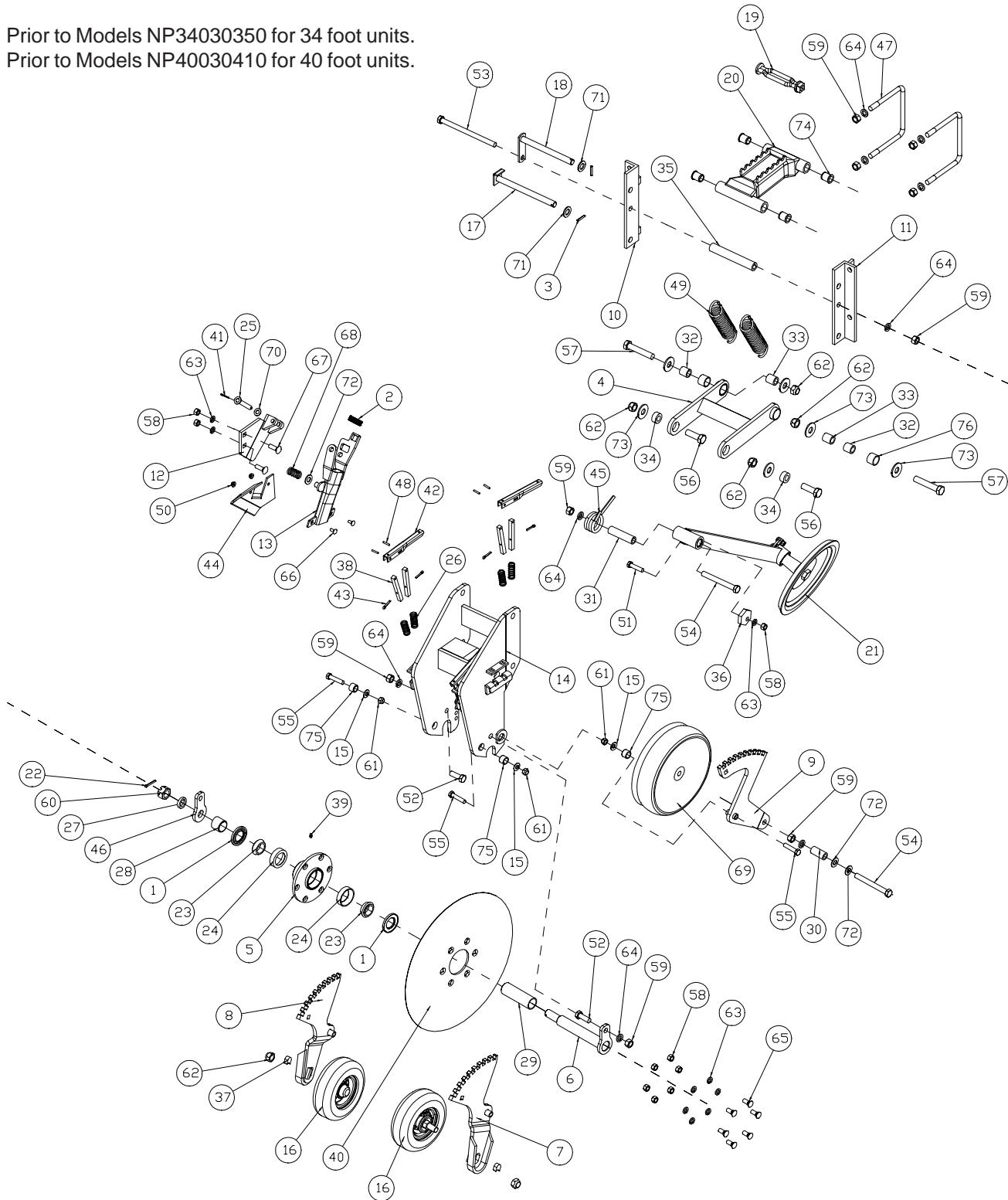
Neverpin Single Disc	8-2
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28 ft - Fertilizer Coulter Frames	8-15
34 ft - Fertilizer Coulter Frames	8-16
40 ft - Fertilizer Coulter Frames	8-18

Openers Neverpin Single Disc

S33310 - Never Pin Opener Assembly - Right - (Shown)
 S33308 - Never Pin Opener Assembly - Left - (Not Shown)

Prior to Models NP34030350 for 34 foot units.

Prior to Models NP40030410 for 40 foot units.



Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	D-5402	Dust Seal	2	38	S32985	Push Rod	6
2	N11470	Hose Clamp	1	39	S-752	Grease Fitting	1
3	S-4781	Spring Pin - 1/4 x 1 1/2	2	40	S30216	Coutler Disc - 20 Dia	1
4	S31268	Lower Link	1	41	W-528	Cotter Pin - 1/8 x 1 Lg	1
5	S31461	Dics Hub	1	42	S32115	Adjusting Lever	3
6	S31467	Spindle - Main Disc	1	43	S-531	Cotter Pin - 3/16 x 1 Lg	6
7	S31778	Pincher Wheel Adjusting Arm - Lt/Right Assembly	1	44	S32988	Scraper Dry - Right	1
7A	S32678	Pincher Wheel Adjusting Arm - Lt/Left Assembly	1	44A	S32998	Scraper Dry - Right - Carbide	1
8	S31779	Pincher Wheel Adjusting Arm - Rt/Right Assembly	1		S39551	Scraper Dry - Left	1
8A	S32680	Pincher Wheel Adjusting Arm - Rt/Left Assembly	1		S31484	Scraper Dry - Left - Carbide	1
9	S31781	Adjusting Plate - Right Assembly	1	45	S31921	Torque Spring - Right	1
9A	S31450	Adjusting Plate - Left Assembly	1	45A	S31462	Torque Spring - Left	1
10	S32235	Mounting Angle	1	46	N33342	Retaining Plate	1
11	S32236	Mounting Angle	1	47	S-3001	U-Bolt - 5/8 x 7 x 6-1/2	2
12	S32268	Mounting Plate - Right	1	48	S34117	Spring Pin - 3/16 x 1	6
12A	S31474	Mounting Plate _ Left	1	49	D-5278	Adjusting Spring	2
13	S32356	Seed/Fertilizer Tube - Right	1	50	W-488	Flange Lock Nut - 5/16	2
13A	S32265	Seed/Fertilizer Tube - Left	1	51	W-498	Hex Bolt - 1/2 x 2 Lg	1
14	S33300	Main Body - Right	1	52	C-3683	Hex Bolt - 5/8 x 1 3/4 Lg	2
14A	S33451	Main Body - Left	1	53	S-1344	Hex Bolt - 5/8 x 9 Lg	1
15	S33444	Spring Washer - 1/2	3	54	W-489	Hex Bolt - 5/8 x 5 1/2 Lg	2
16	S33920	Pincher Wheel	2	55	W-1553	Hex Bolt - 1/2 x 2 1/4 Lg	3
17	S34154	Front Long Pin - 3/4 Dia	1	56	D-5256	Hex Head Bolt - 3/4 x 2 1/4 Lg	2
18	S34155	Front Short Pin - 3/4 Dia	1	57	W-516	Hex Bolt - 3/4 x 5 Lg	2
19	S34157	Adjusting Rack	1	58	W-517	Hex Nut - 1/2	9
20	S34163	Top Link - Right	1	59	S-1311	Hex Nut - 5/8	9
20A	S34162	Top Link - Left	1	60	F-3405	Hex Slotted Nut	1
21	S34379	Closing Wheel Sub-Assembly - See Following Pages	1	61	D-5273	Unitorque Hex Locknut	3
22	W-1416	Cotter Pin	1	62	W-525	Unitorque Hex Locknut - 3/4	6
23	W-1474	Bearing Cone - 1 3/8 Bore	2	63	W-526	Lockwasher - 1/2	9
24	W-1537	Bearing Cup	2	64	S31930	Lockwasher - 5/8	9
25	W15513	Lock Pin	1	65	D-5259	No.3 Head Plow Bolt	6
26	S31446	Spring - Compression	6	66	H-4584	Carriage Bolt - 5/16 x 3/4 Lg	2
27	S32379	Angled Spacer	1	67	S33146	Carriage Bolt - 1/2 x 1 1/2 Lg	2
28	S31482	Spacer Bushing	1	68	S31943	Scraper - Spring	1
29	S31483	Spacer Bushing	1	69	S-1925	Soil Retaining Wheel	1
30	S33936	Bushing - Soil Retaining Wheel	1	70	W-476	Flat Washer - 1/2	1
31	S31487	Bushing - Trailing Wheel Pivot	1	71	W-629	Flat Washer - 3/4	2
32	S32353	Bushing - Parallel Link Pivot	2	72	D-5497	Flat Washer - 5/8	3
33	N19579	Bushing	2	73	C26525	Washer - 13/16	6
34	S31934	Bushing - Short ParallelLink	2	74	S31444	Nylon Bushing	4
35	S34353	Spacer	1	75	S32905	Bushing	3
36	S32898	Adjusting Hex Plate	1	76		Bushing	2
37	S33119	Slot Insert	2				

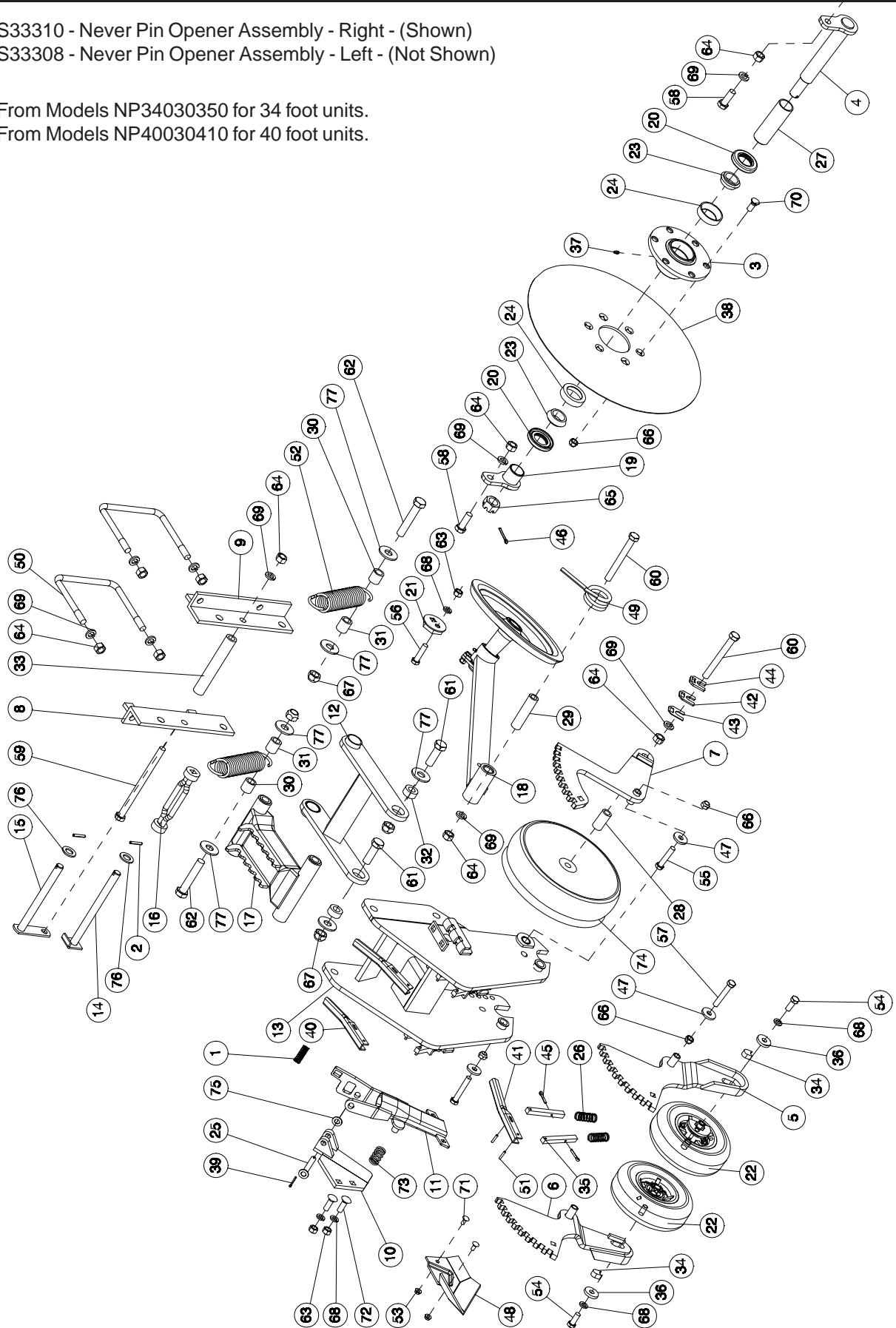
Openers - Neverpin Single Disc

Openers Neverpin Single Disc

S33310 - Never Pin Opener Assembly - Right - (Shown)
 S33308 - Never Pin Opener Assembly - Left - (Not Shown)

From Models NP34030350 for 34 foot units.

From Models NP40030410 for 40 foot units.



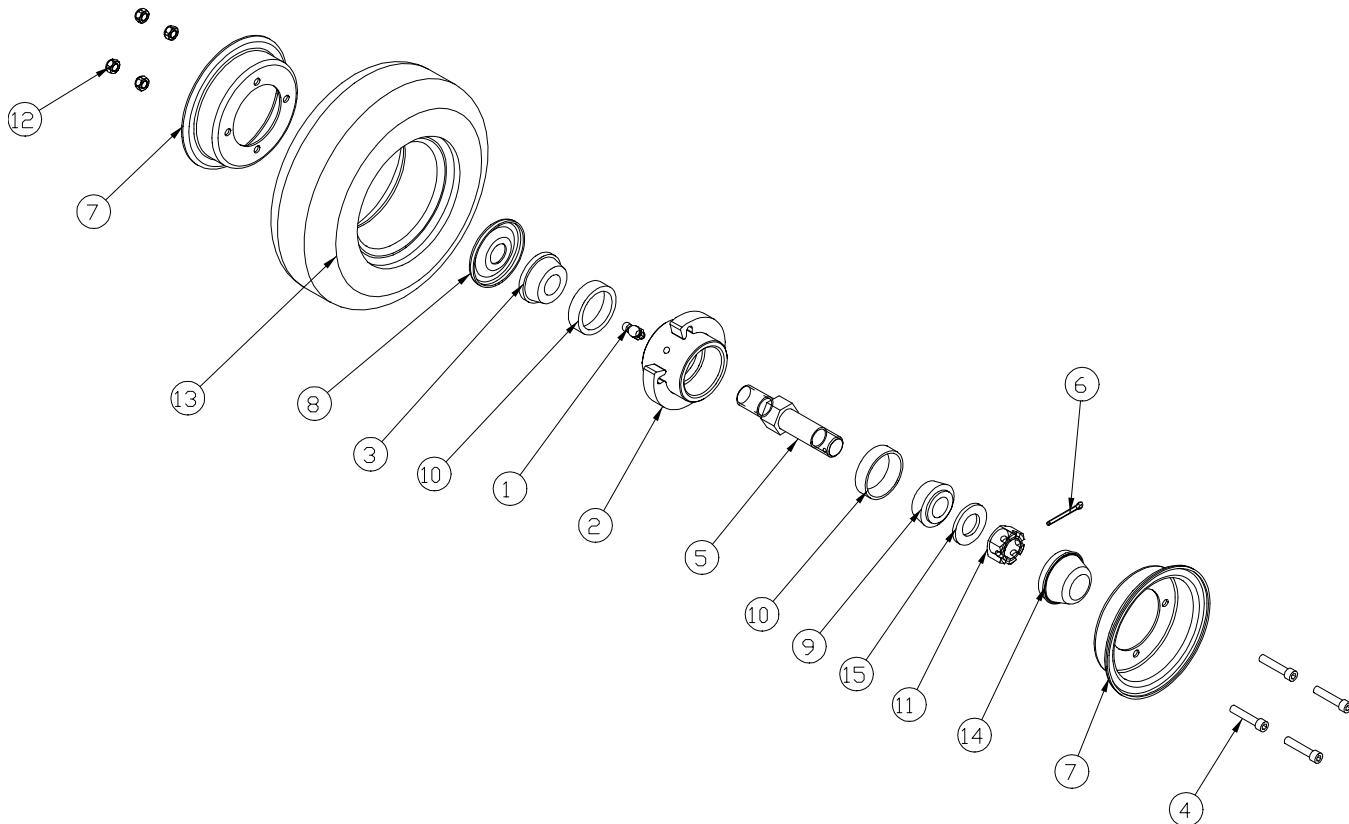
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
Never Pin Disc Drill	1 N11470	Hose Clamp - HS 20	1	38 S30216	Coutler Disc - 20 Dia	1	
	2 S-4781	Spring Pin - 1/4 x 1 1/2	2	39 W-528	Cotter Pin - 1/8 x 1 Lg	1	
	3 S31461	Dics Hub	1	40 S34762	Right Hand Adjusting Lever	2	
	4 S31467	Spindle Main Disc	1	41 S34763	Left Hand Adjusting Lever	1	
	5 S31778	Pincher Wheel Adjusting Arm - LH/Right Assembly	1	42 S34529	Shim - 1/8	1	
	6 S32678	Pincher Wheel Adjusting Arm - LH/Left Assembly	1	43 S34528	Shim - 1/16	1	
	7 S31779	Pincher Wheel Adjusting Arm - RH/Right Assembly	1	44 S34530	Shim - 3/16	1	
	8 S32680	Pincher Wheel Adjusting Arm - RH/Left Assembly	1	45 S-531	Cotter Pin - 3/16 x 1 Lg	6	
	9 S31781	Adjusting Plate Right	1	46 W-1416	Cotter Pin - 3/16 x 2 Lg	1	
	10 S31450	Adjusting Plate Left	1	47 C-333	Hose Holder Washer	3	
	11 S32235	Mounting Angle Left	1	48 S32988	Scraper Dry - Right	1	
	12 S32236	Mounting Angle Right	1	49 S39552	Scraper Dry - Right - Carbide	1	
	13 S32268	Mounting Plate Right	1	49A S32998	Scraper Dry - Left	1	
	14 S31474	Mounting Plate Left	1	50 S39551	Scraper Dry - Left - Carbide	1	
	15 S32356	Seed/Fertilizer Tube Right	1	51 S31484	Torque Spring - Right	1	
	16 S32265	Seed/Fertilizer Tube Left	1	52 S31921	Torque Spring - Left	1	
	17 S32896	Lower Link Sub Assembly	1	53 N33342	U-Bolt - 5/8 x 7 x 6 1/2	2	
	18 S33540	Main Body Sub Assembly Right	1	54 S-3001	Spring Pin - 3/16 x 1	6	
	19 S33541	Main Body Sub Assembly Left	1	55 S34117	Adjusting Spring	2	
	20 S34154	Front Long Pin - 3/4 Dia	1	56 D-5278	Flange Lock Nut - 5/16	2	
	21 S34155	Front Short Pin - 3/4 Dia	1	57 W-485	Hex Bolt - 1/2 x 1 1/4 Lg Full Thread	2	
	22 S34157	Adjusting Rack	1	58 W-490	Hex Bolt - 1/2 x 2 1/2 Lg	1	
	23 S34167	Top Link Subassembly	1	59 W-498	Hex Bolt - 1/2 x 2 Lg	1	
	24 S34526	Spacer Retainer Right	1	60 C-3683	Hex Bolt - 1/2 x 3 Lg	2	
	25 S34525	Spacer Retainer Left	1	61 S-1344	Hex Bolt - 5/8 x 1 3/4 Lg	2	
	26 S34533	Spacer	2	62 W-1553	Hex Bolt - 5/8 x 9 Lg	1	
	27 S34653	Adjusting Block	1	63 D-5256	Hex Bolt - 5/8 x 5 1/2 Lg	2	
	28 S34533	Adjusting Block	1	64 W-516	Hex Head Bolt 3/4 x 2 1/4 Lg	2	
	29 S34533	Pincher Wheel See Page 6 7	2	65 W-517	Hex Bolt - 3/4 x 4 Lg	2	
	30 S34533	Pincher Wheel See Page 6 7	2	66 S-1311	Hex Nut - 1/2	3	
	31 W-1474	Bearing Cone - 1 3/8 Bore	2	67 F-3405	Hex Nut - 5/8	9	
	32 W-1537	Bearing Cup	2	68 D-5256	Hex Slotted Nut - 1 14 UNS	1	
	33 W15513	Lock Pin	1	69 W-516	Locknut - 1/2 Unitorque	9	
	34 S31446	Spring Compression	6	70 D-5273	Locknut - 3/4 Unitorque 10 UNC 2B	4	
	35 S31483	Spacer Bushing	1	71 W-525	Lockwasher - 1/2	5	
	36 S33936	Bushing Srw	1	72 W-526	Lockwasher - 5/8	9	
	37 S31487	Bushing Trailing Whl Pivot	1	73 S31930	Plow Bolt - 1/2 x 1 1/4 Lg	6	
	38 S32353	Bushing Para Link Pivot	2	74 D-5259	Carriage Bolt - 5/16 x 3/4 Lg	2	
	39 N19579	Bushing	2	75 H-4584	Carriage Bolt - 1/2 x 1 1/2 Lg	2	
	40 S31934	Bushing Short Para Link	2	76 S33146	Scrapers Spring	1	
	41 S34353	Spacer	1	77 S31943	Soil Retaining Wheel	1	
	42 S33119	Slot Insert	2	78 S-1925	Flatwasher - 1/2	1	
	43 S32985	Push Rod	6	79 W-476	Flatwasher - 3/4	2	
	44 S34778	Washer	2	80 D-5497	Flatwasher - 13/16	6	
	45 S-752	Grease Fitting - 1/4 Straight	1				

Openers - Neverpin Single Disc

Openers
Neverpin Single Disc - Pincher Wheel

Prior to Models NP34030350 for 34 foot units.

Prior to Models NP40030410 for 40 foot units.

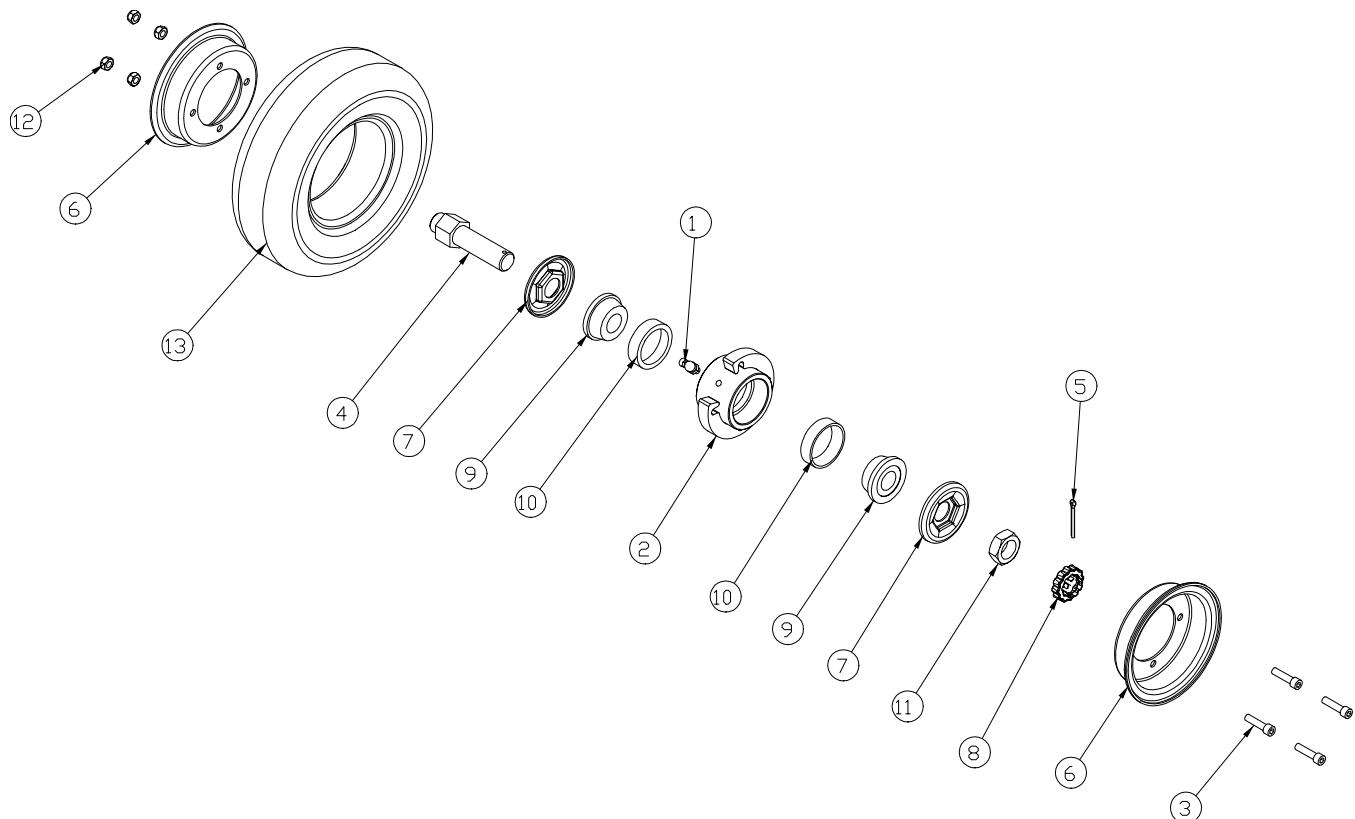


Item	Part No.	Description	Qty
1	F-3056	Grease Zerk.....	1
2	S33921	Hub - (Includes items # 10)	1
3	S33449	Bearing Cone W/ Seal C/W Cup	1
4	S33922	Socket Head Capscrew	4
5	S32506	Spindle	1
6	W-529	Cotter Pin - 1/8 x 1 1/4 Lg	1
7	S32895	Rim	2
8	S32516	Dust Shield	1
9	W-87	Bearing Cone	1
10	W-88	Bearing Cup	2
11	W-94	Hex Slotted Nut	1
12	N22778	Nylon Insert Hex Locknut	4
13	S31935	8 1/4 x 2 3/4 Solid Tire	1
14	S33452	Dust Cap - DC10	1
15	W-476	Flat Washer - 3/4	1

Openers
Neverpin Single Disc - Pincher Wheel

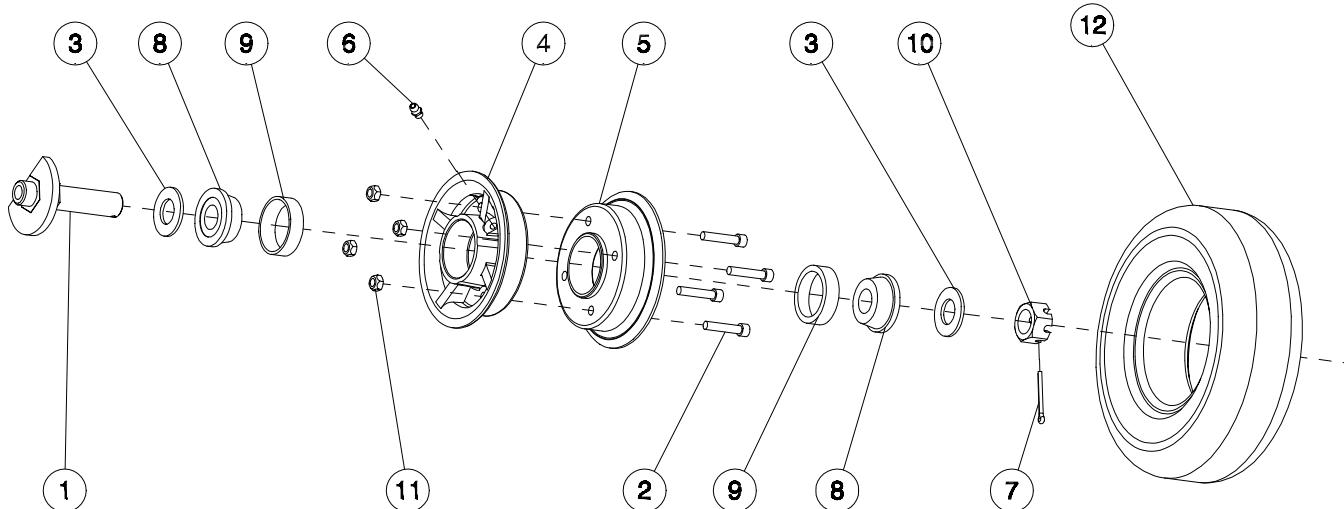
From Models NP34030350 for 34 foot units.

From Models NP40030410 for 40 foot units.



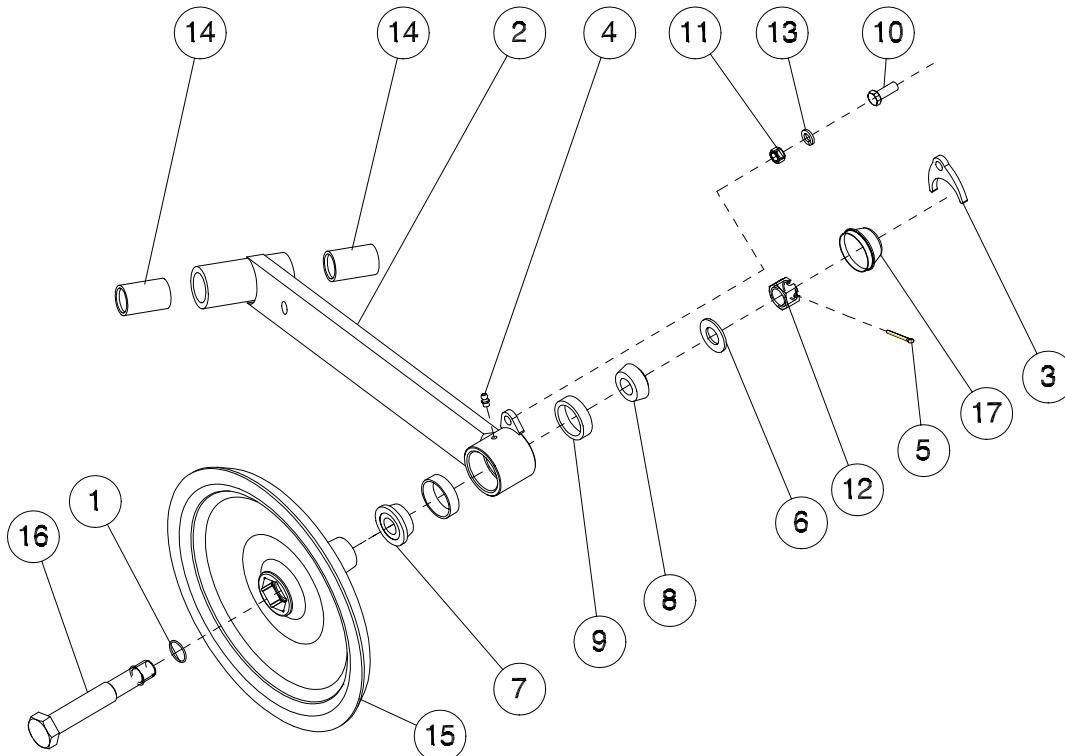
Item	Part No.	Description	Qty
1	F-3056	Grease Zerk	1
2	S32505	Hub	1
3	S33922	Socket Head Capscrew	4
4	S34536	Spindle	1
5	W-529	Cotter Pin - 1/8 x 1 1/4 Lg	1
6	S32895	Rim	2
7	S34602	Dirt Shield	2
8	S34535	Nut Retainer	1
9	S33449	Bearing Cone W/ Seal C/W Cup	2
10	W-88	Bearing Cup	2
11	S34549	Hex Jam Nut	1
12	N22778	Nylon Insert Hex Locknut	4
13	S31935	8 1/4 x 2 3/4 Solid Tire	1
	S33920 N38539	Pincher Wheel - Sub Assembly (Includes all above items) Kit - Pincher Wheel Repair (Includes Items 5, 9 & 10)	

Openers
Neverpin Single Disc - Pincher Wheel



Item	Part No.	Description	Qty
1	S39558	Spindle Weldment	1
2	S40511	Socket Head Capscrew - 1/4 x 1 1/4 Lg	4
3	S39559	Washer	2
4	S34522	Split Rim - Pincher Wheel	1
5	S34523	Split Rim - Pincher Wheel	1
6	S-752	Grease Zerk - 1/4 Straight	1
7	W-529	Cotter Pin - 1/8 x 1 1/4 Lg	1
8	S33449	Bearing Cone W/ Seal C/W Cup	2
9	W-88	Bearing Cup	2
10	W-94	Hex Slotted Nut - 3/4-16 UNF	1
11	N22778	Nylon Insert Hex Locknut	4
12	S31935	8 1/4 x 2 3/4 Solid Tire	1

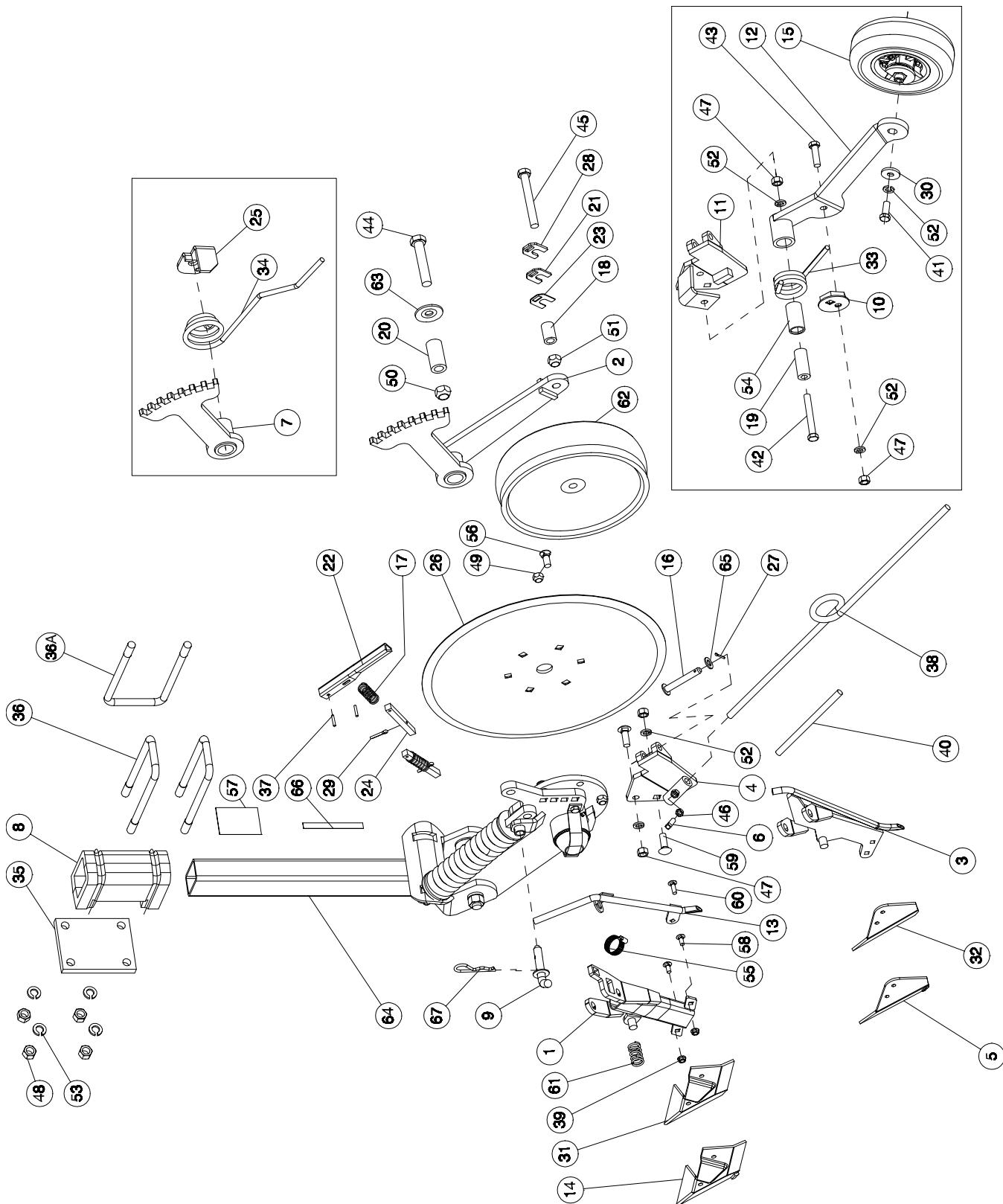
Openers
Neverpin Single Disc - Closing Wheel Assm



Item	Part No.	Description	Qty
1	C-2187	O Ring	1
2	S31490	Closing Wheel Arm Right	1
2A	S31782	Closing Wheel Arm Left	1
3	S33917	Dust Cap Retainer	1
4	S-752	Grease Fitting - 1/4 Straight	1
5	W-529	Cotter Pin - 1/8 x 1 1/4 Lg	1
6	S34450	Flat Washer - 3/4	1
7	S33449	Bearing Cone W/ Seal C/W Cup	1
8	W-87	Bearing Cone	1
9	W-88	Bearing Cup	2
10	W-475	Hex Bolt - 3/8 x 1	1
11	W-514	Hex Nut - 3/8	1
12	W-94	Hex Slotted Nut - 3/4 UNF	1
13	W-523	Lockwasher - 3/8	1
14	C-5696	Bottom Bushing	2
15	S31481	Closing Wheel - 12 Dia Cast	1
16	S34376	Bolt - Closing Wheel	1
	S33935	Bolt - Closing Wheel - Prior to Models NP34030350 for 34 ft Units & NP40030410 for 40 ft Units.	
17	S33452	Dust Cap - DC10	1
Items 15 & 16 must be purchased together NOT as separate parts Prior to Models NP34030350 for 34 ft Units & NP40030410 for 40 ft Units.			

Coulters
Fertilizer Coulter Assembly

Left Coulter Assembly Shown



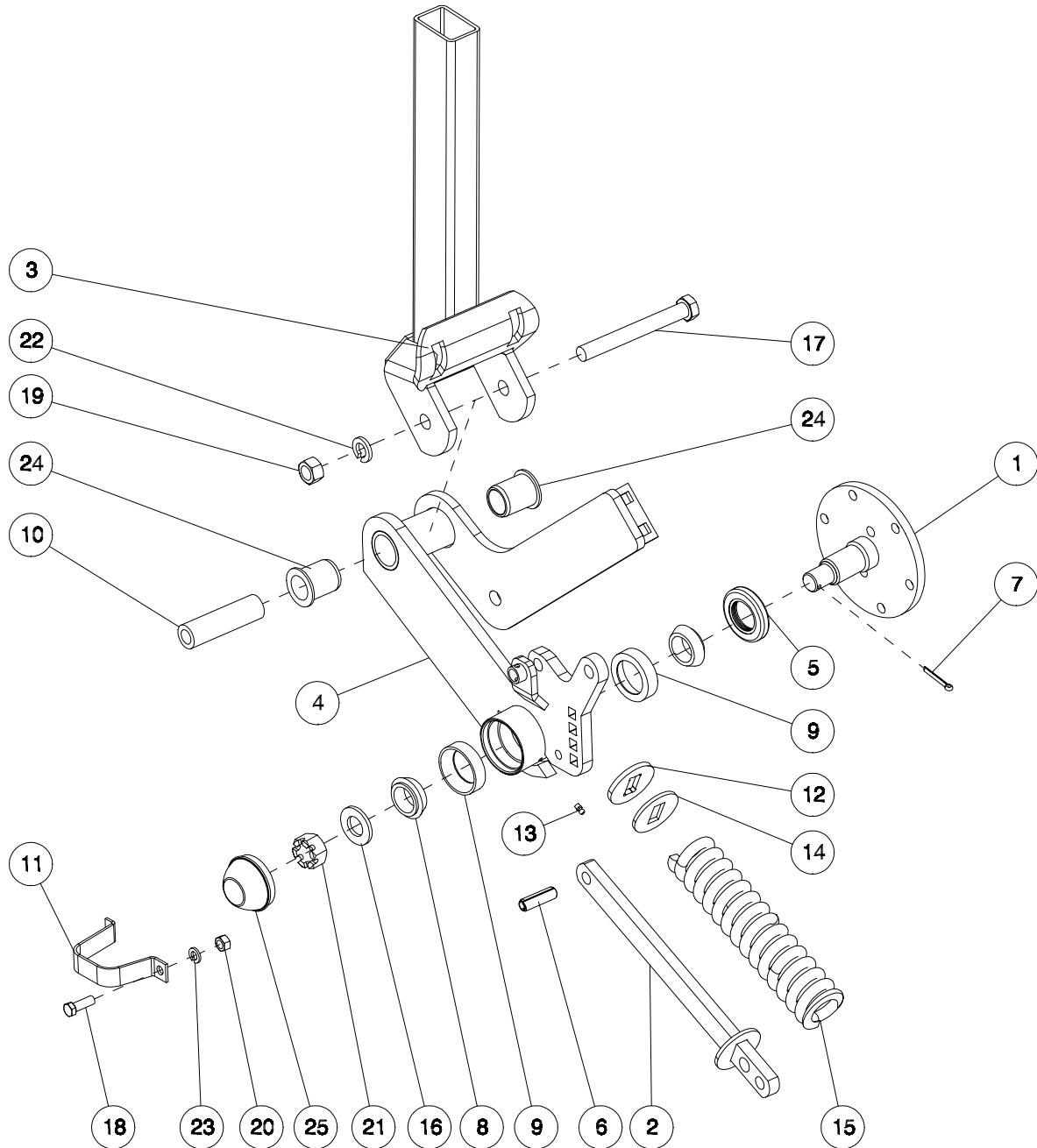
Coulters - Fertilizer Coulter Assembly - Left Shown

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	S32265	Scraper/Seed Tube - Left	1	37	S-3001	Spring Pin - 3/16 x 1	2
	S32356	Scraper/Seed Tube - Right	1	38	S33461	Closing Tine - Left	1
2	S32912	Adjusting Arm - Left	1	39	S33538	Closing Tine - Right	1
	S32915	Adjusting Arm - Right	1	D-5278	D-5278	Flange Lock Nut 5/16	2
3	S33127	NH3 Scraper Arm - Left	1	40	S33543	Leverage Assist	1
	S33142	NH3 Scraper Arm - Right	1	41	W-485	Hex Bolt - 1/2 x 1 1/4 Lg Full Thread	1
4	S33145	Mounting Plate - Left	1	42	W-494	Hex Bolt - 1/2 x 3 3/4 Lg	1
	S32978	Mounting Plate - Right	1	43	W-487	Hex Bolt - 1/2 x 1 3/4 Lg	1
5	S33545	Scraper Left - Carbide - Left	1	44	D-5256	Hex Bolt - 3/4 x 4 Lg	1
	S33544	Scraper Right - Carbide - Right	1	45	W-506	Hex Bolt - 5/8 x 5 Lg	1
6	S33693	Set Screw 3/8 x 1 1/4 Lg	1	46	S-748	Hex Jam Nut - 3/8	1
7	S34189	Disc Tine Adjusting Arm	1	47	W-516	Hex Nut - 1/2	6
8	S34524	Slide Mounting Bracket	1	48	W-517	Hex Nut - 5/8	4
9	S34545	Pin - Spring Rod	1	49	F-3405	Locknut - 1/2 Unitorque	6
10	S34653	Adjusting Block	1	50	D-5273	Locknut - 3/4 Unitorque	1
11	S34772	Mounting Plate Closing Wheel - Left	1	51	S-1197	Locknut - 5/8 Unitorque	1
	S34773	Mounting Plate Closing Wheel - Right	1	52	W-525	Lockwasher - 1/2	7
12	S34780	Closing Wheel Arm - Left	1	53	W-526	Lockwasher - 5/8	4
	S34781	Closing Wheel Arm - Right	1	54	S34786	Bushing	1
13	S37507	Bolt On Liquid/NH3 Adaptor - Left	1	55	S33599	Hose Clamp	1
	S37508	Bolt On Liquid/NH3 Adaptor - Right	1	56	S31930	Plow Bolt - 1/2 x 1 1/4 Lg	6
14	S39551	Scraper Dry - Left - Carbide	1	57	S33341	Set Up Decal	1
	S39552	Scraper Dry - Right - Carbide	1	58	D-5259	Carriage Bolt - 5/16 x 3/4 Lg	2
15	S39560	Pincher Wheel	1	59	H-4584	Carriage Bolt - 1/2 x 1 1/2 Lg	2
16	W15513	Lock Pin	1	60	S33420	Carriage Bolt - 5/16 x 1 Lg	1
17	S31446	Spring Compression	2	61	S33146	Scraper Spring	1
18	S33147	Bushing - 1 OD x .627 ID	1	62	S1943	Soil Retaining Wheel	1
19	S34785	Bushing - 1 OD x .510 ID	1	63	S32745	Spring Washer - 3/4	1
20	S32751	Bushing 1 1/4 OD x .75 ID	1	64	*****	Sub Assemly #2 Left (See Next Page)	1
21	S34529	Shim - 1/8	1	65	S-1925	Flat Washer - 1/2	1
22	S32115	Adjusting Lever	1	66	S33340	Decal Depth Indicator	1
23	S34528	Shim - 1/16	1	67	BW-11	Hairpin - 3/16	1
24	S32985	Push Rod	2				
25	S34187	Tine Retainer - Left	1	S34191		Coulter Blade Tine Kit - Left (Includes items 7, 25 & 34)	
	S34186	Tine Retainer - Right	1	S34192		Coulter Blade Tine Kit - Right (Includes items 7, 25A & 34A)	
26	S34199	Coulter Disc - 20" Dia	1	S35153		Closing Tine Kit - Left (Includes items 6, 38 & 46)	
27	W-528	Cotter Pin - 1/8 x 1 Lg	1	S33450		Closing Tine Kit - Right (Includes items 6, 38A & 46)	
28	S34530	Shim - 3/16	1	S38678		Closing Wheel Kit - Left (See index for parts page)	
29	S-531	Cotter Pin - 3/16 x 1 Lg	2	S38679		Closing Wheel Kit - Right (See index for parts page)	
30	C-333	Hose Holder Washer	1	S33100		Coulter - Left - NH3	
31	S32998	Scraper Dry - Left	1	S33101		Coulter - Right - NH3	
	S32988	Scraper Dry - Right	1	S32950		Coulter - Left - Dry	
32	S33141	Scraper NH3 - Left	1	S32951		Coulter - Right - Dry	
	S33140	Scraper NH3 - Right	1			(Order through whole goods order desk only)	
33	S31484	Torque Spring Left Hand	1				
34	S34183	Disc Tine - Left	1				
	S34184	Disc Tine - Right	1				
35	S32987	Plate	1				
36	S32986	U-Bolt - 5/8 x 2 13/16 x 9	2				
36A	S33786	U-Bolt - 5/8 x 4 x 9	2				

Never Pin Disc Drill

June 2005

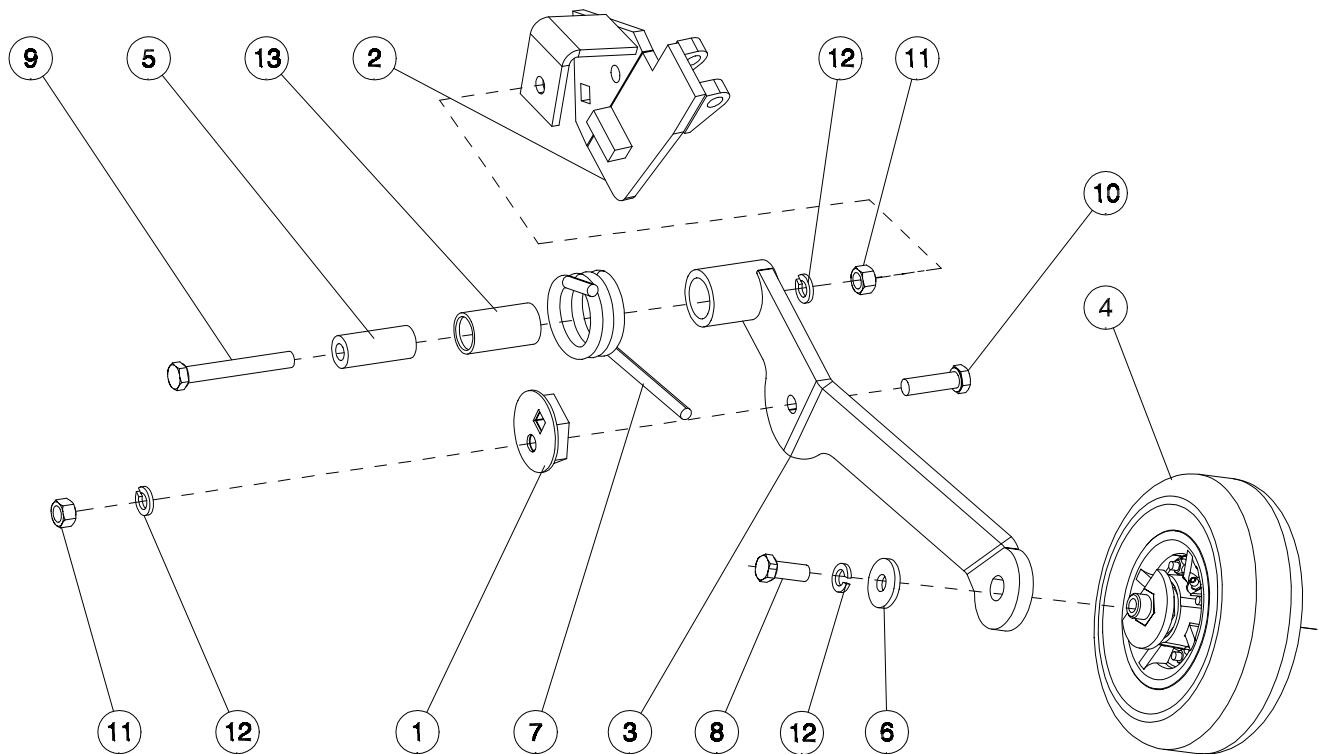
Coulters
Fertilizer Coulter Sub-Assembly



Coulters - Fertilizer Coulter Sub-Assembly

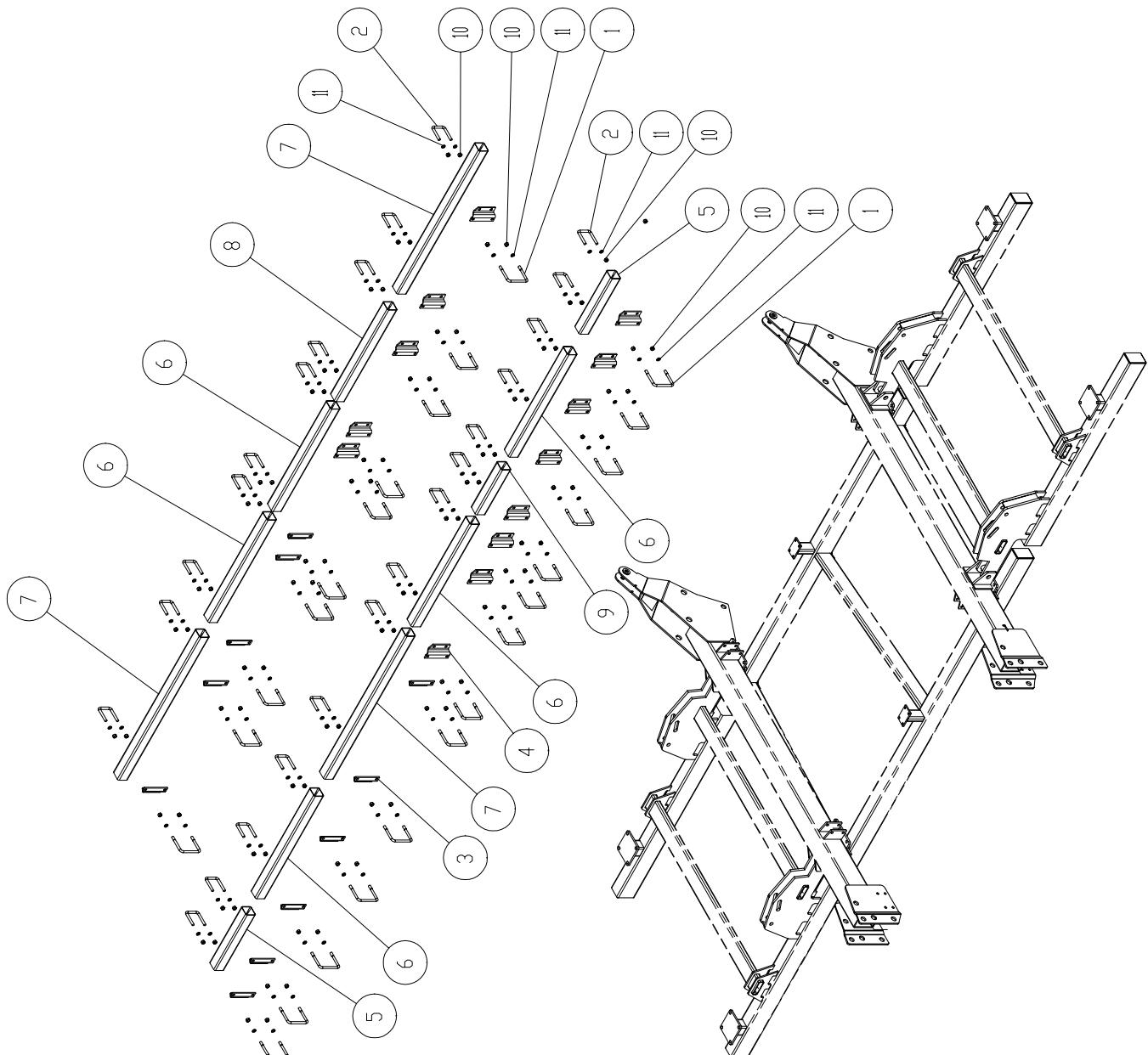
Item	Part No.	Description	Qty
1	S32909	Spindle	1
2	S33106	Spring Rod	1
3	S33134	Main Pivot Bracket	1
4	S33139	Pivot Bracket - Left	1
4A	S33129	Pivot Bracket - Right	1
5	S34533	Triple Lip Seal - 1 5/8	1
6	S34544	Spiral Pin - 5/8 x 2	1
7	W-1416	Cotter Pin - 3/16 x 1	1
8	W-1474	Bearing Cone - LM48548	2
9	W-1537	Bearing Cup - LM48510	2
10	S32971	Spacer Bushing	1
11	S33470	Dust Cap Retainer	1
12	S33138	Wear Washer	1
13	S-752	Grease Fitting - 1/4 Straight	1
14	S33112	Backing Plate	1
15	S27985	Coulter Spring	1
16	C-3258	Flatwasher - 1	1
17	C-3525	Hex Bolt - 3/4 x 6-1/2 Lg	1
18	W-483	Hex Bolt - 7/16 x 1-1/4 Lg - Full Thread	1
19	W-518	Hex Nut - 3/4	1
20	W-515	Hex Nut - 7/16	1
21	S-1311	Hex Slotted Nut - 1-14 UNS	1
22	W-527	Lockwasher - 3/4	1
23	W-524	Lockwasher - 7/16	1
24	C18510	Bushing - Nylon	2
25	C-1522	Dust Cap	1

Coulters
Fertilizer Coulter - Optional Closing Wheel



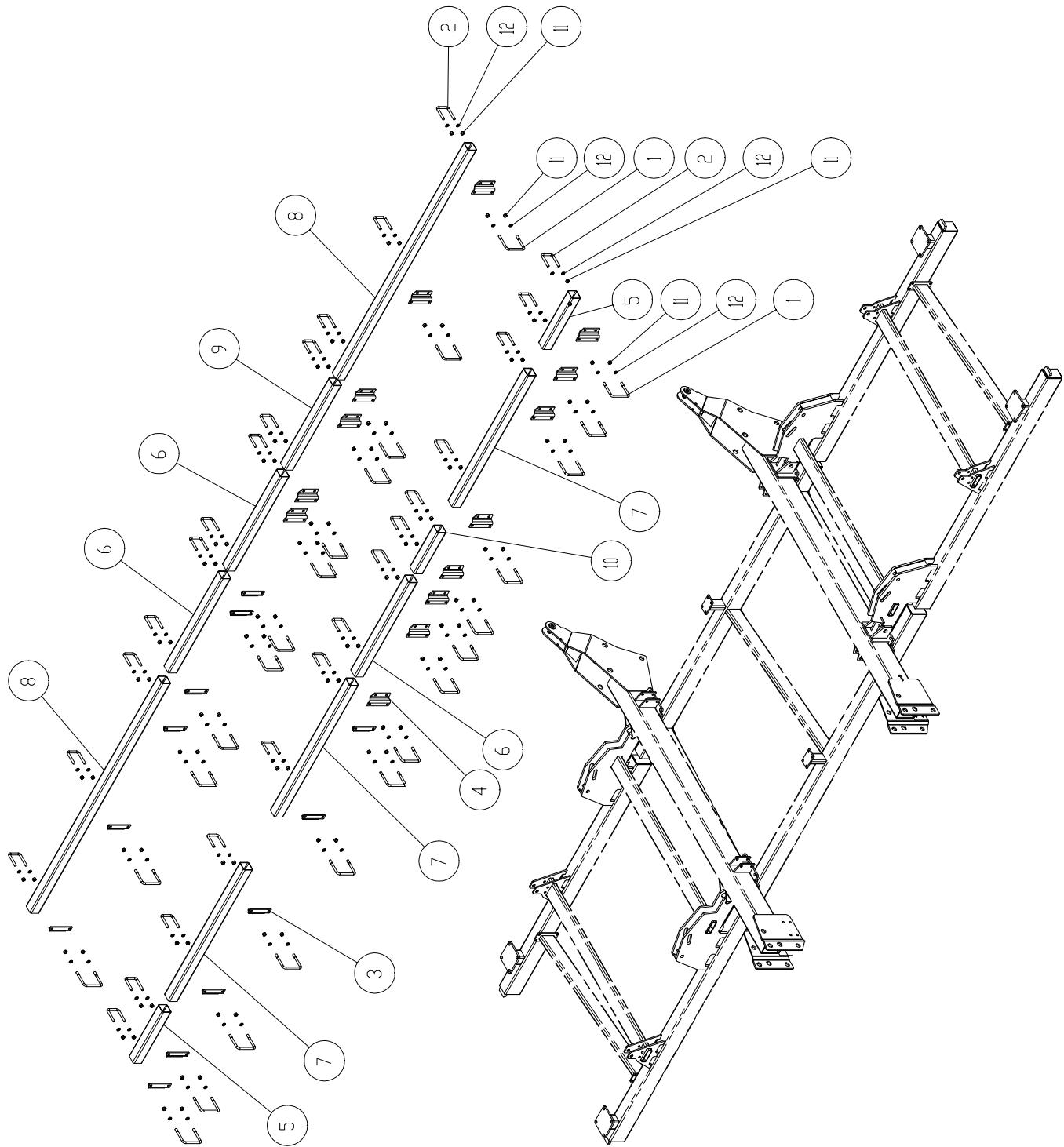
Item	Part No.	Description	Qty
1	S34653	Adjusting Block	1
2	S34772	Mounting Plate - Left	1
2A	S34773	Mounting Plate - Right	1
3	S34780	Closing Wheel Arm - Left	1
3A	S34781	Closing Wheel Arm - Right	1
4	S39560	Pincher Wheel Assembly (see Page 8-8 for parts list)	1
5	S34785	Bushing - 1 OD x 0.510 ID	1
6	C-333	Hose Holder Washer	1
7	S31484	Torque Spring - Left Hand	1
7A	S31921	Torque Spring - Right Hand	1
8	W-485	Hex Bolt - 1/2 x 1 1/4 Lg - Full Thread	1
9	W-494	Hex Bolt - 1/2 x 3 3/4 Lg	1
10	W-487	Hex Bolt - 1/2 x 1 3/4 Lg	1
11	W-516	Hex Nut - 1/2	2
12	W-525	Lockwasher - 1/2	3
13	S34786	Bushing - Nylatron	1

Openers
28 ft - Fertilizer Coulter Frames



Item	Part No.	Description	Qty
1	N34626	U-Bolt - 3/4 x 7 x 6 1/2	24
2	C-5561	U-Bolt - 3/4 x 4 x 5 9/16	24
3	S33788	Mounting Bracket - Left	11
4	S33919	Mounting Bracket - Right	13
5	S34119	Tube - 26 Lg	2
6	S34120	Tube - 48 Lg	5
7	S34121	Tube - 67 Lg	3
8	S34123	Tube - 43 Lg	1
9	S34340	Tube - 21 Lg	1
10	W-518	Hex Nut - 3/4	96
11	W-527	Lockwasher - 3/4	96

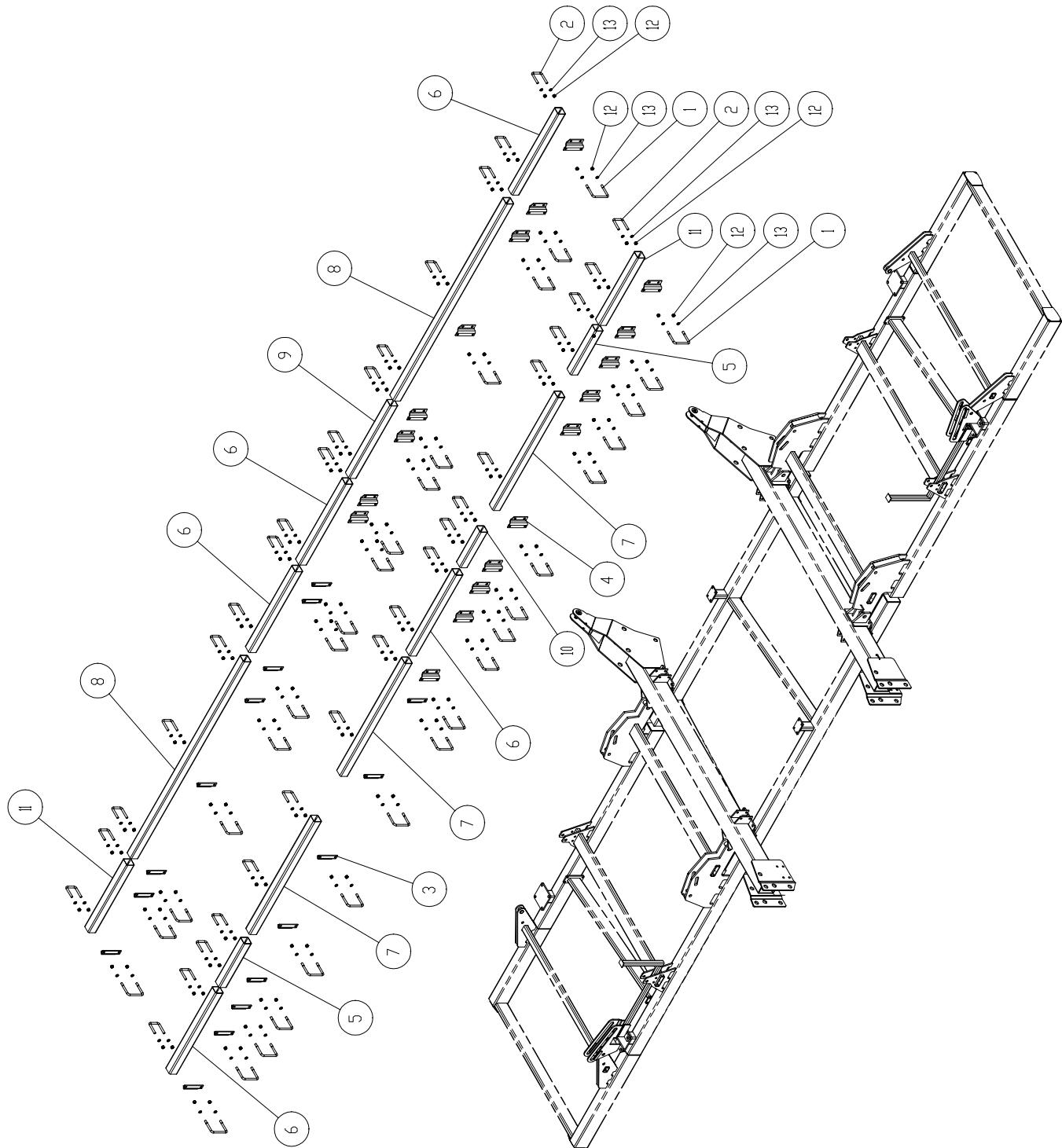
Openers
34 ft - Fertilizer Coulter Frames



Openers - 34 ft - Fertilizer Coulter Frames

Item	Part No.	Description	Qty
1	N34626	U-Bolt - 3/4 x 7 x 6 1/2	26
2	C-5561	U-Bolt - 3/4 x 4 x 5 9/16.....	26
3	S33788	Mounting Bracket - Left	12
4	S33919	Mounting Bracket - Right	14
5	S34119	Tube - 26 Lg	2
6	S34120	Tube - 48 Lg	3
7	S34121	Tube - 67 Lg	3
8	S34122	Tube - 117 Lg	2
9	S34123	Tube - 43 Lg	1
10	S34340	Tube - 21 Lg	1
11	W-518	Hex Nut - 3/4	104
12	W-527	Lockwasher - 3/4	104

Openers
40 ft - Fertilizer Coulter Frames



Openers - 40 ft - Fertilizer Coulter Frames

Item	Part No.	Description	Qty
1	N34626	U-Bolt - 3/4 x 7 x 6 1/2	34
2	C-5561	U-Bolt - 3/4 x 4 x 5 9/16.....	34
3	S33788	Mounting Bracket - Left	16
4	S33919	Mounting Bracket - Right	18
5	S34119	Tube - 26 Lg	2
6	S34120	Tube - 48 Lg	5
7	S34121	Tube - 67 Lg	3
8	S34122	Tube - 117 Lg	2
9	S34123	Tube - 43 Lg	1
10	S34340	Tube - 21 Lg	1
11	S34341	Tube - 40 Lg	2
12	W-518	Hex Nut - 3/4	136
13	W-527	Lockwasher - 3/4	136

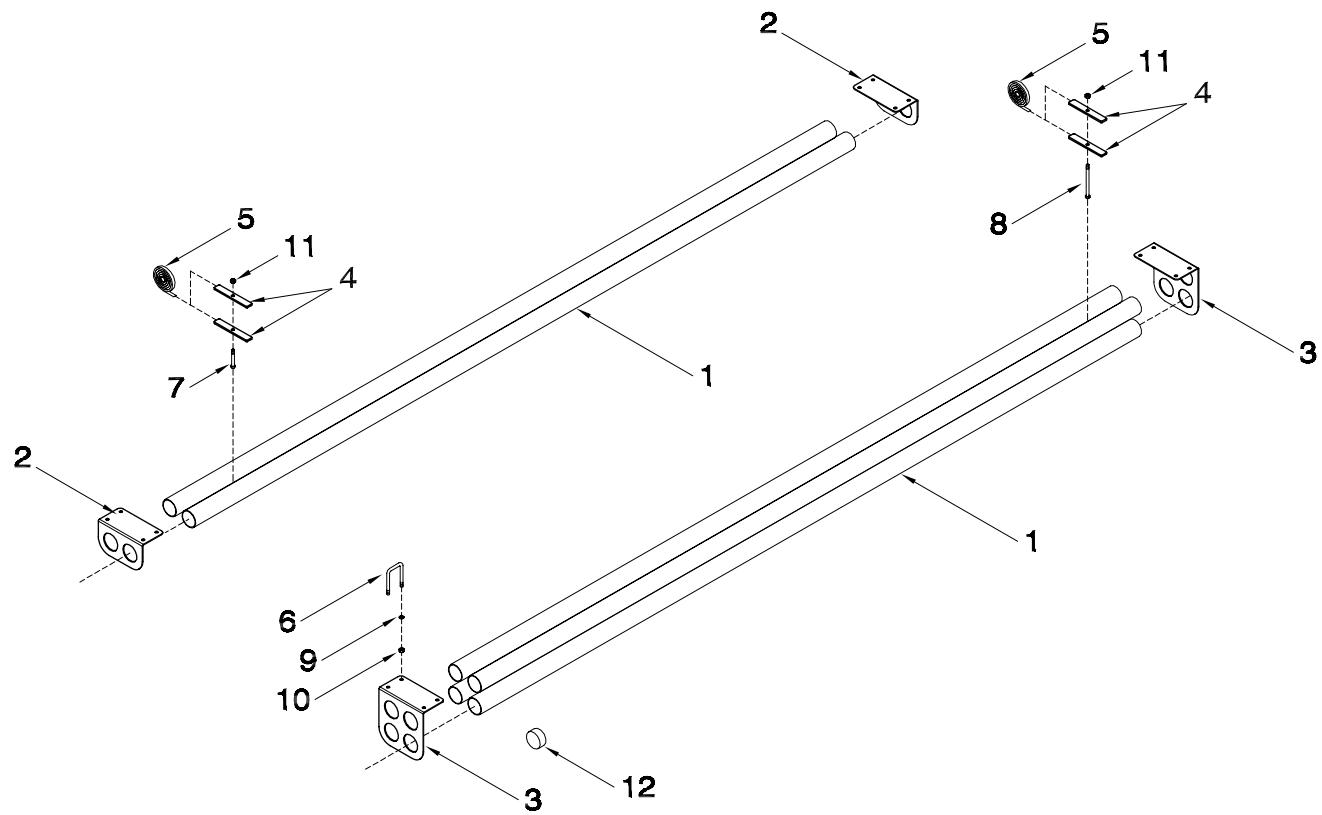
Notes

Section 9: Distribution

Section Contents

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Dual Shoot Tow Between	9-12
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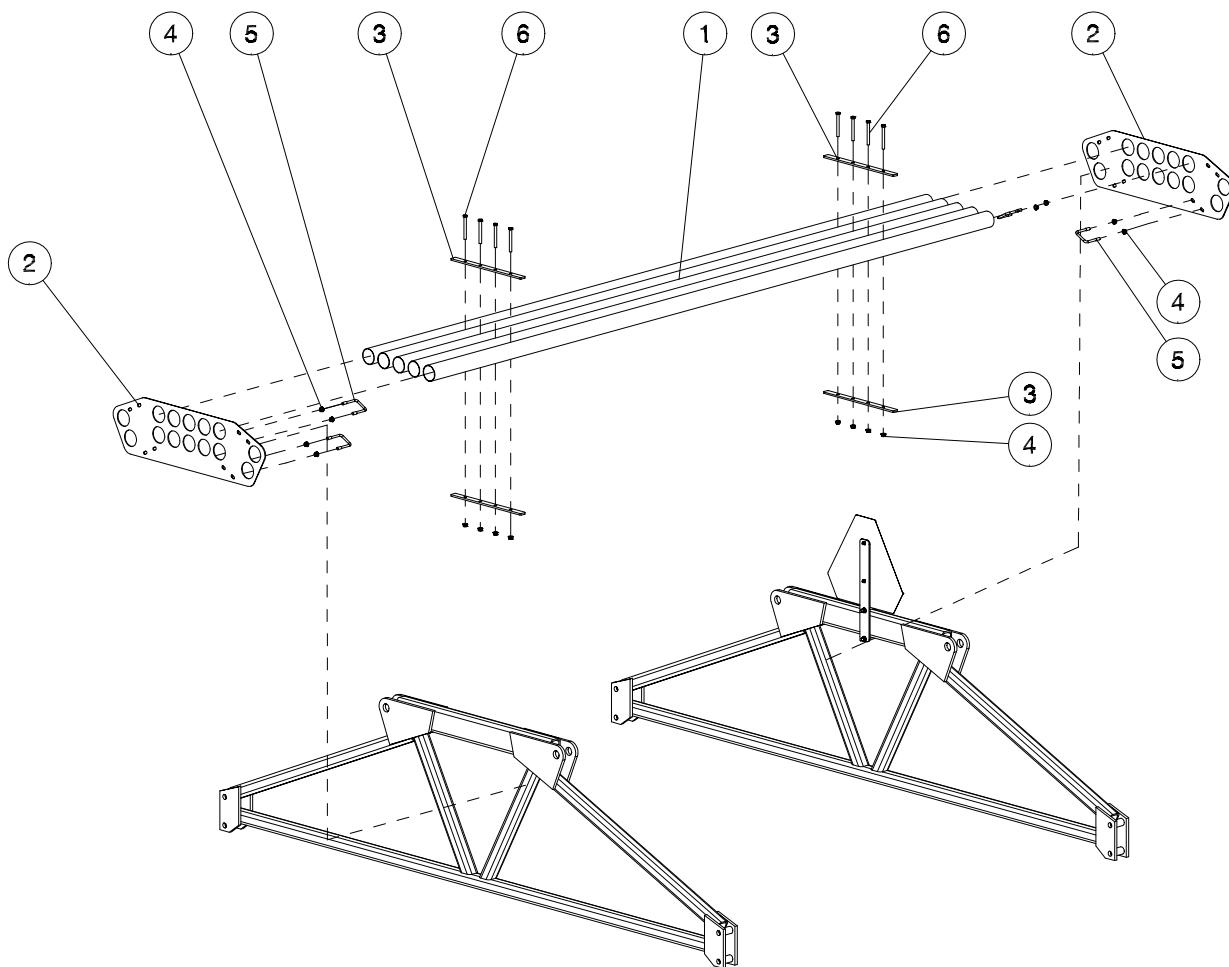
Distribution Pipe Kits Tow Behind



Distribution - Pipe Kits Tow Behind

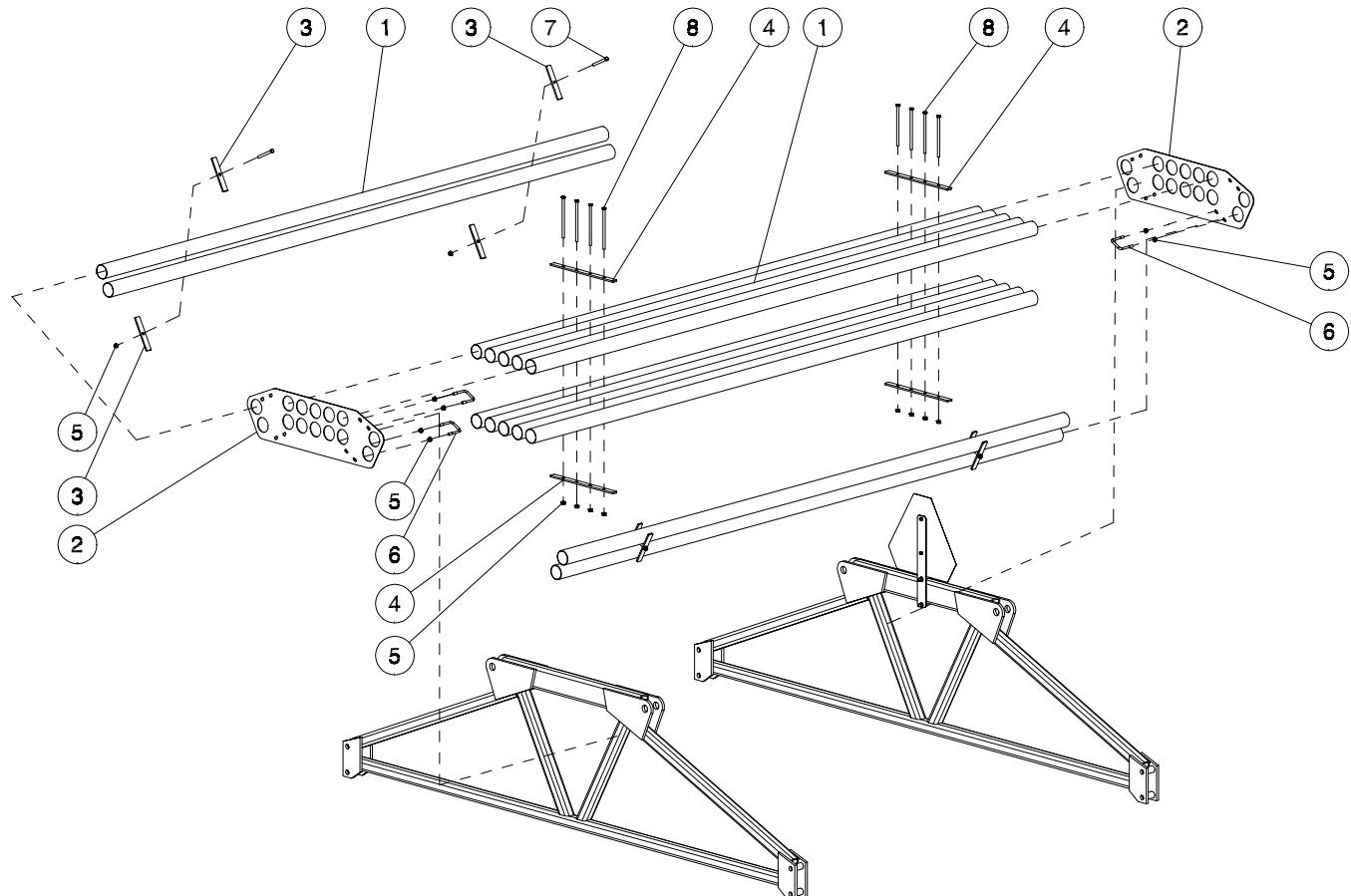
Item	Part No.	Description	Qty
		Dual Pipe Assembly	
1	N37550	Tube Primary - 120	2
2	N34758	Dual Tube Holder	2
4	N37520	Tube Retainer	4
5	N15716	Seal Strip - 1/4 x 2 ft (Bulk per foot)	2 ft
7	W-481	Hex Bolt - 3/8 x 3 1/2.....	2
11	D-5279	Serrated Hex Nut - 3/8	2
		Quad Pipe Assembly	
1	N37550	Tube Primary - 120	4
3	N37510	Quad Tube Holder	2
4	N37520	Tube Retainer	4
5	N15716	Seal Strip - 1/4 x 2 ft (Bulk per foot)	2 ft
6	D12714	U-Bolt - 3/8 x 2 3/4Lg.....	4
8	N19678	Hex Bolt - 3/8 x 7	2
9	W-523	Lockwasher - 3/8	8
10	W-514	Hex Nut - 3/8	8
11	D-5279	Serrated Hex Nut - 3/8	2
12	N11907	Plastic Cap	As req

**Distribution
Pipe Kits Tow Behind - Regular**



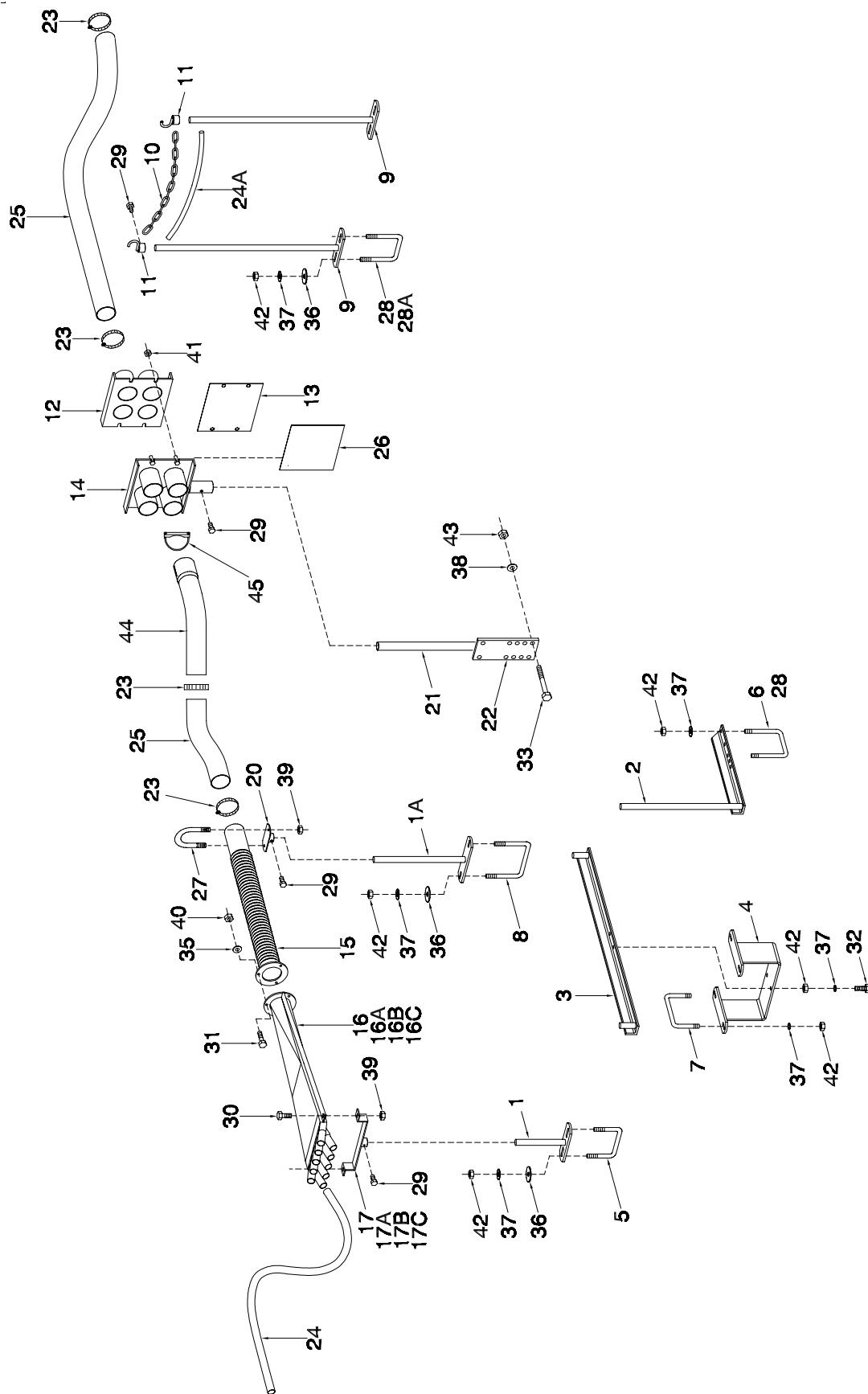
Item	Part No.	Description	Qty
1	N37550	Distribution Pipe	5
2	N37589	Hanger, Pipe	2
3	N37590	Distribution Pipe Retainer	4
4	D-5279	Flange Lock Nut - 3/8	26
5	D12714	U-bolt - 3/8 x 2 1/16 x 2 3/4	8
6	W-481	Hex Bolt - 3/8 x 3 1/2 Lg	8

**Distribution
Pipe Kits Tow Behind - Maximum**



Item	Part No.	Description	Qty
1	N37550	Distribution Pipe	14
2	N37589	Hanger, Pipe	2
3	N37520	Distribution Pipe Retainer Short	8
4	N37590	Distribution Pipe Retainer Long	4
5	D-5279	Flange Lock Nut - 3/8	30
6	D12714	U-bolt - 3/8 x 2 1/16 x 2 3/4	8
7	W-481	Hex Bolt - 3/8 x 3 1/2 Lg	4
8	N19678	Hex Bolt - 3/8 x 7 Lg	8

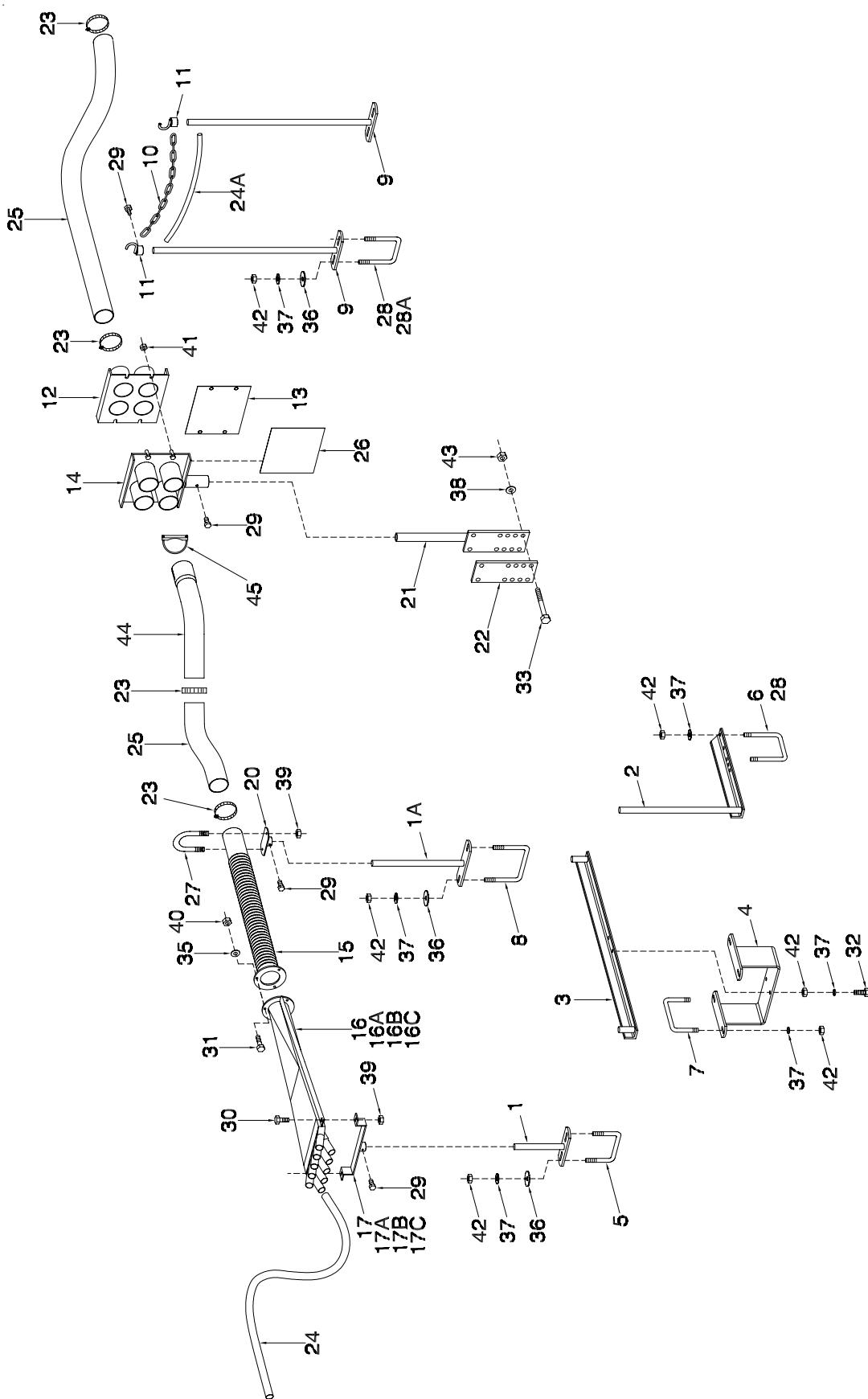
**Distribution
Single Shoot Tow Behind**



Distribution - Single Shoot Tow Behind

Item	Part No.	Description	No: Used					
			28' 44 Runs	28' 32 Runs	34' 52 Runs	34' 40 Runs	40' 64 Runs	40' 48 Runs
1	N34355	Support - Divider Head - 6 1/4	2	2	3	1	3	2
1A	N33831	Bracket - Divider Head #1	2	2	3	1	3	2
2	N33834	Bracket - Divider Head #2	8	4	8	8	4	4
3	N33838	Bracket - Divider Head #4 - Left	-	-	-	-	2	2
4	N34421	Bracket - Mounting - "U"	-	-	-	-	2	2
5	D12714	U-Bolt - 3/8 x 2 1/16 x 2 3/4	2	2	3	1	3	2
6	N34025	U-Bolt - 3/8 x 5 x 8	8	4	8	8	4	4
7	N34424	U-Bolt - 3/8 x 6 x 3	-	-	-	-	4	4
8	H10592	U-Bolt - 3/8 x 6 x 5	2	2	3	1	3	2
9	N19531	Support - Bottom - Rod 24	2	2	2	2	2	2
10	N19448	Chain - 80 Link	1	1	1	1	1	1
11	N19717	Hook - Chain	2	2	2	2	2	2
12	N19398	Coupler - Hose - Tank	2	1	2	2	2	2
13	N19573	Cover Plate - Coupler	4	2	4	4	4	4
14	N19395	Coupler - Hose - Seeder	2	1	2	2	2	2
15	N15135	Pipe - Corr Diff - Divider Head	6	4	7	5	7	6
16	N31190	Divider Assembly - 10 Outlet	-	-	-	-	1	-
16A	N31189	Divider Assembly - 9 Outlet	-	-	-	-	6	-
16B	N31188	Divider Assembly - 8 Outlet	2	4	3	5	-	6
16C	N31187	Divider Assembly - 7 Outlet	4	-	4	-	-	-
17	N19406	Support - 10 Outlet	-	-	-	-	1	-
17A	N15595	Support - 9 Outlet	-	-	-	-	6	-
17B	N15107	Support - 8 Outlet	2	4	3	5	-	6
17C	N15594	Support - 7 Outlet	4	-	4	-	-	-
18	*****						
19	*****						
20	N15102	Support - Rear	6	4	7	5	7	6
21	N19575	Base - Hose Coupler	2	1	2	2	2	2
22	N19409	Plate - Mount	2	1	2	2	2	2
23	N11905	Hose Clamp - 2 1/2 Dia	24	16	28	20	28	24
24	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	600	450	750	525	750	600
24A	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1.5 ft					
25	R480055	Hose - 2 1/2 ID/ft Goodyear (100 ft rolls)	225 ft	150 ft	250 ft	200 ft	275 ft	200 ft
26	N19030	Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft)	2	1	2	2	2	2
27	N15096	U-Bolt - 1/4 x 2 9/16	6	4	7	5	7	6
28	N15098	U-Bolt - 3/8 x 4 x 5	2	2	2	2	2	2
29	N24396	Setscrew - 1/4 x 1/2 Lg	16	11	18	14	18	16
30	K-3830	Hex Bolt - 1/4 x 1/2 Lg	12	8	14	10	14	12
31	W-469	Hex Bolt - 1/4 x 3/4 Lg	18	12	21	15	21	18
32	W-475	Hex Bolt - 3/8 x 1 Lg	-	-	-	-	4	4
33	W-496	Hex Bolt - 1/2 x 5 1/2 Lg	8	4	8	8	8	8
34	*****						
35	W-521	Lockwasher - 1/4	18	12	21	15	21	18
36	D-5579	Flatwasher - 3/8	12	12	16	8	16	12
37	W-523	Lockwasher - 3/8	24	16	28	20	32	28
38	W-525	Lockwasher - 1/2	8	4	8	8	8	8
39	D-5277	Serrated Locknut - 1/4	24	16	28	20	28	24
40	W-512	Hex Nut - 1/4	18	12	21	15	21	18
41	D-5279	Serrated Locknut - 3/8	8	4	8	8	8	8
42	W-514	Hex Nut - 3/8	24	16	28	20	32	28
43	W-516	Hex Nut - 1/2	8	4	8	8	8	8
44	N27329	Tube - Primary - 45 deg Elbow	4	2	4	2	4	4
45	N15022	Clamp - Muffler - 2 1/2 Dia	4	2	4	2	4	4

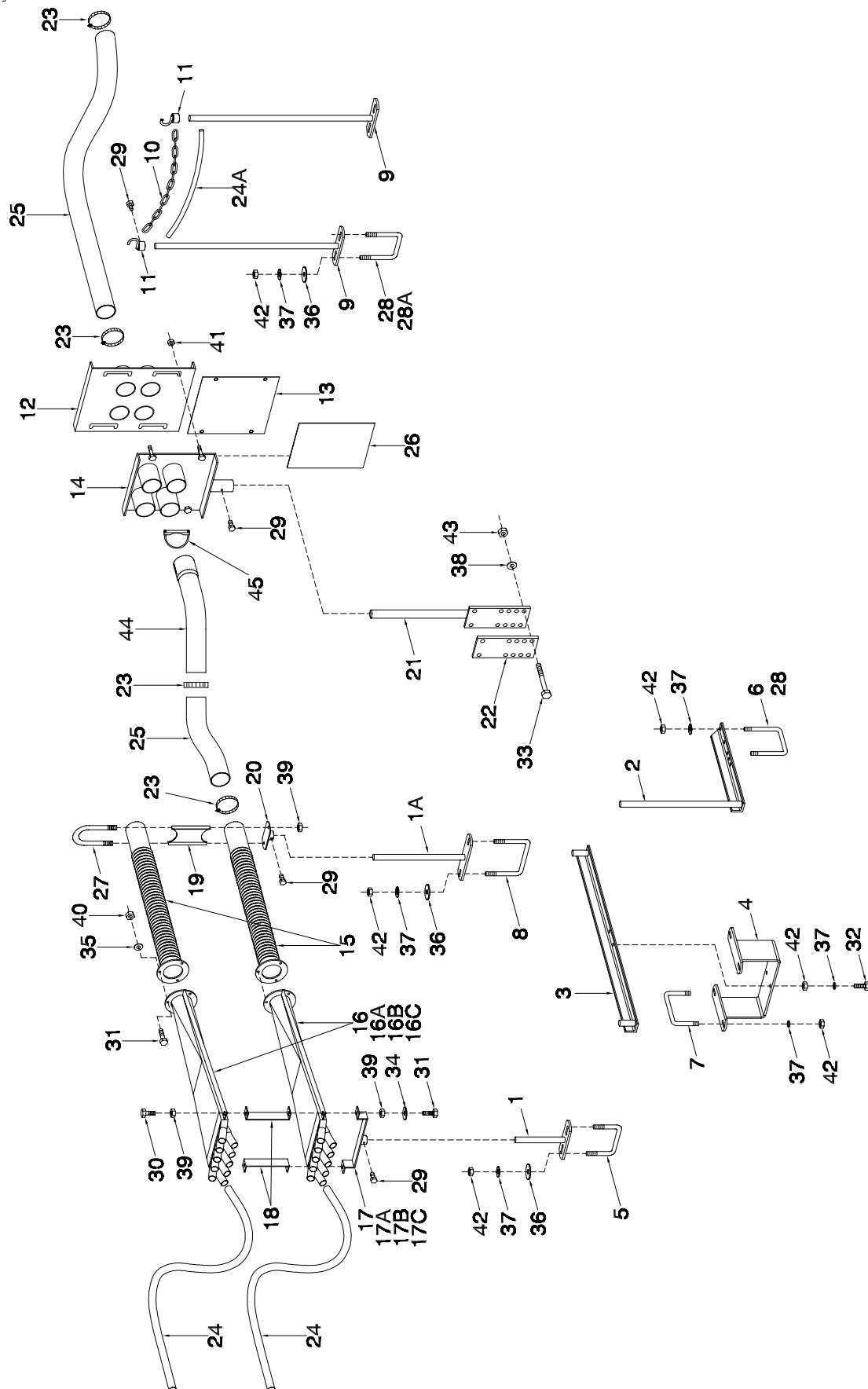
Distribution Single Shoot Tow Between



Distribution - Single Shoot Tow Between

Item	Part No.	Description	No: Used					
			28' 44 Runs	28' 32 Runs	34' 52 Runs	34' 40 Runs	40' 64 Runs	40' 48 Runs
1	N34355	Support - Divider Head - 6 1/4	2	2	3	1	3	2
1A	N33831	Bracket - Divider Head #1	2	2	3	1	3	2
2	N33834	Bracket - Divider Head #2	8	4	8	8	4	4
3	N33838	Bracket - Divider Head #4 - Left	-	-	-	-	2	2
4	N34421	Bracket - Mounting - "U"	-	-	-	-	2	2
5	D12714	U-Bolt - 3/8 x 2 1/16 x 2 3/4	2	2	3	1	3	2
6	N34025	U-Bolt - 3/8 x 5 x 8	8	4	8	8	4	4
7	N34424	U-Bolt - 3/8 x 6 x 3	-	-	-	-	4	4
8	H10592	U-Bolt - 3/8 x 6 x 5	2	2	3	1	3	2
9	N19531	Support - Bottom - Rod 24	2	2	2	2	2	2
10	N19448	Chain - 80 Link	1	1	1	1	1	1
11	N19717	Hook - Chain	2	2	2	2	2	2
12	N19398	Coupler - Hose - Tank	2	1	2	2	2	2
13	N19573	Cover Plate - Coupler	4	2	4	4	4	4
14	N19395	Coupler - Hose - Seeder	2	1	2	2	2	2
15	N15135	Pipe - Corr Diff - Divider Head	6	4	7	5	7	6
16	N31190	Divider Assembly - 10 Outlet	-	-	-	-	1	-
16A	N31189	Divider Assembly - 9 Outlet	-	-	-	-	6	-
16B	N31188	Divider Assembly - 8 Outlet	2	4	3	5	-	6
16C	N31187	Divider Assembly - 7 Outlet	4	-	4	-	-	-
17	N19406	Support - 10 Outlet	-	-	-	-	1	-
17A	N15595	Support - 9 Outlet	-	-	-	-	6	-
17B	N15107	Support - 8 Outlet	2	4	3	5	-	6
17C	N15594	Support - 7 Outlet	4	-	4	-	-	-
18	*****	*****						
19	*****	*****						
20	N15102	Support - Rear	6	4	7	5	7	6
21	N19575	Base - Hose Coupler	2	1	2	2	2	2
22	N19409	Plate - Mount	2	1	2	2	2	2
23	N11905	Hose Clamp - 2 1/2 Dia	24	16	28	20	28	24
24	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	600	450	750	525	750	600
24A	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1.5 ft					
25	R480055	Hose - 2 1/2 ID/ft Goodyear (100 ft rolls)	150 ft	100 ft	175 ft	150 ft	200 ft	150 ft
26	N19030	Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft)	2	1	2	2	2	2
27	N15096	U-Bolt - 1/4 x 2 9/16	6	4	7	5	7	6
28	N15098	U-Bolt - 3/8 x 4 x 5	2	2	2	2	2	2
29	N24396	Setscrew - 1/4 x 1/2 Lg	16	11	18	14	18	16
30	K-3830	Hex Bolt - 1/4 x 1/2 Lg	12	8	14	10	14	12
31	W-469	Hex Bolt - 1/4 x 3/4 Lg	18	12	21	15	21	18
32	W-475	Hex Bolt - 3/8 x 1 Lg	-	-	-	-	4	4
33	W-496	Hex Bolt - 1/2 x 5 1/2 Lg	8	4	8	8	8	8
34	*****	*****						
35	W-521	Lockwasher - 1/4	18	12	21	15	21	18
36	D-5579	Flatwasher - 3/8	12	12	16	8	16	12
37	W-523	Lockwasher - 3/8	24	16	28	20	32	28
38	W-525	Lockwasher - 1/2	8	4	8	8	8	8
39	D-5277	Serrated Locknut - 1/4	24	16	28	20	28	24
40	W-512	Hex Nut - 1/4	18	12	21	15	21	18
41	D-5279	Serrated Locknut - 3/8	8	4	8	8	8	8
42	W-514	Hex Nut - 3/8	24	16	28	20	32	28
43	W-516	Hex Nut - 1/2	8	4	8	8	8	8
44	N27329	Tube - Primary - 45 deg Elbow	4	2	4	2	4	4
45	N15022	Clamp - Muffler - 2 1/2 Dia	4	2	4	2	4	4

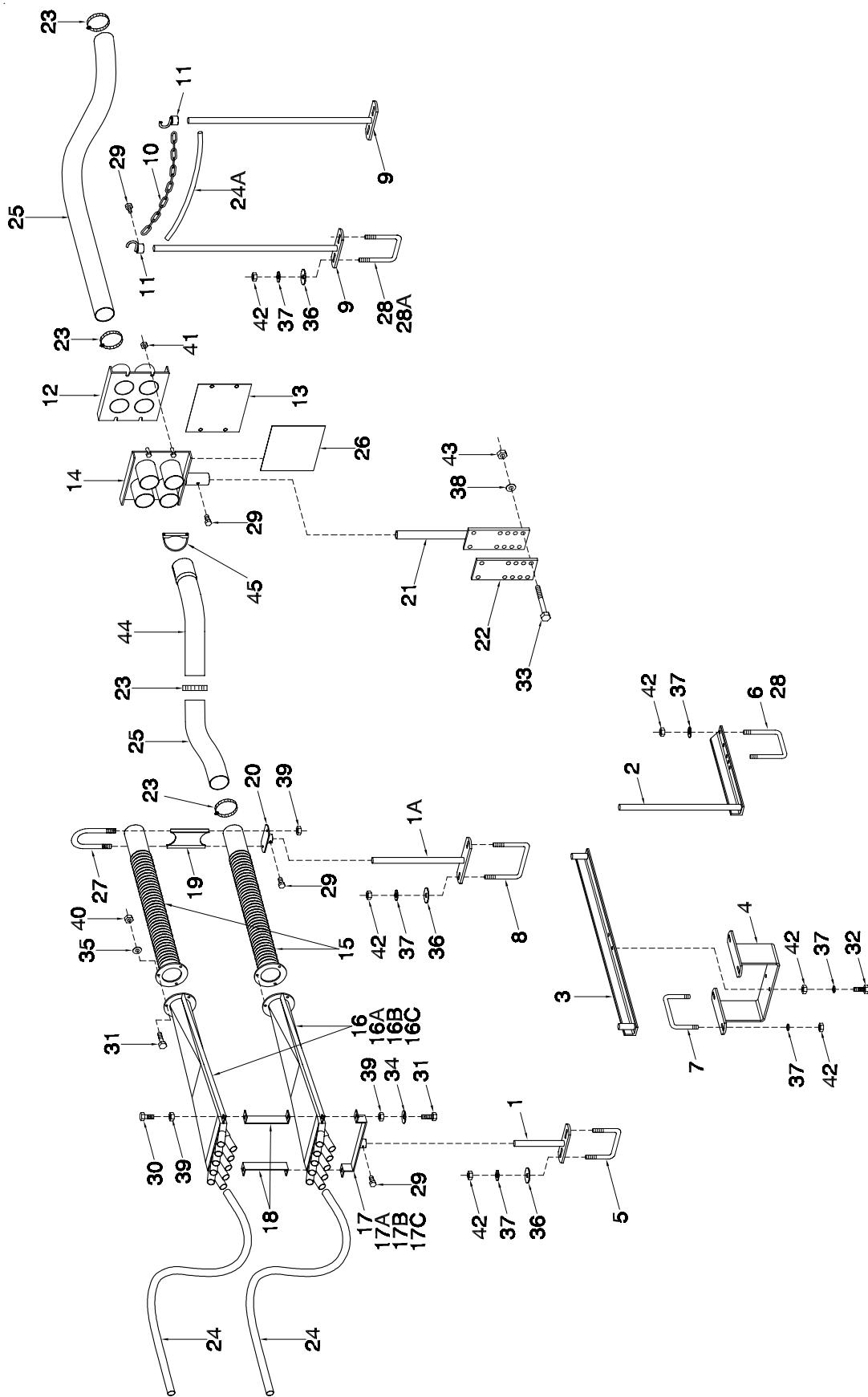
**Distribution
Dual Shoot Tow Behind**



Distribution - Dual Shoot Tow Behind

Item	Part No.	Description	No: Used					
			28' 44 Runs	28' 32 Runs	34' 52 Runs	34' 40 Runs	40' 64 Runs	40' 48 Runs
1	N34355	Support - Divider Head - 6 1/4	2	2	3	1	3	2
1A	N33831	Bracket - Divider Head #1	2	2	3	1	3	2
2	N33834	Bracket - Divider Head #2	8	4	8	8	4	4
3	N33838	Bracket - Divider Head #4 - Left	-	-	-	-	2	2
4	N34421	Bracket - Mounting - "U"	-	-	-	-	2	2
5	D12714	U-Bolt - 3/8 x 2 1/16 x 2 3/4	2	2	3	1	3	2
6	N34025	U-Bolt - 3/8 x 5 x 8	8	4	8	8	4	4
7	N34424	U-Bolt - 3/8 x 6 x 3	-	-	-	-	4	4
8	H10592	U-Bolt - 3/8 x 6 x 5	2	2	3	1	3	2
9	N19531	Support - Bottom - Rod 24	2	2	2	2	2	2
10	N19448	Chain - 80 Link	1	1	1	1	1	1
11	N19717	Hook - Chain	2	2	2	2	2	2
12	N27719	Coupler - Hose - Tank - Dual	3	2	4	3	4	3
13	N27721	Cover Plate - Coupler - Dual	6	4	8	6	8	6
14	N28811	Coupler - Hose - Seeder - Dual	3	2	4	3	4	3
15	N15135	Pipe - Corr Diff - Divider Head	12	8	14	10	14	12
16	N31190	Divider Assembly - 10 Outlet	-	-	-	-	2	-
16A	N31189	Divider Assembly - 9 Outlet	-	-	-	-	12	-
16B	N31188	Divider Assembly - 8 Outlet	4	8	6	10	-	12
16C	N31187	Divider Assembly - 7 Outlet	8	-	8	-	-	-
17	N19406	Support - 10 Outlet	-	-	-	-	1	-
17A	N15595	Support - 9 Outlet	-	-	-	-	6	-
17B	N15107	Support - 8 Outlet	2	4	3	5	-	6
17C	N15594	Support - 7 Outlet	4	-	4	-	-	-
18	N16689	Bracket Front - Dual Shoot Heads	12	8	14	10	14	12
19	N16507	Spacer - Rear - Dual Shoot Heads	6	4	7	5	7	6
20	N15102	Support - Rear	6	4	7	5	7	6
21	N19575	Base - Hose Coupler	3	2	4	3	4	3
22	N19409	Plate - Mount	3	2	4	3	4	3
23	N11905	Hose Clamp - 2 1/2 Dia	48	32	56	40	56	48
24	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1200	900	1500	1050	1500	1200
24A	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1.5 ft					
25	R480055	Hose - 2 1/2 ID/ft Goodyear (100 ft rolls)	450 ft	300 ft	500 ft	400 ft	550 ft	400 ft
26	N28302	Seal - 1/16 x 8 x 10 (Bulk/ft)	3	2	4	3	4	3
27	N16504	U-Bolt - 1/4 x 2 9/16	6	4	7	5	7	6
28	N15098	U-Bolt - 3/8 x 4 x 5	2	2	2	2	2	2
29	N24396	Setscrew - 1/4 x 1/2 Lg	17	12	20	15	20	17
30	K-3830	Hex Bolt - 1/4 x 1/2 Lg	12	8	14	10	14	12
31	W-469	Hex Bolt - 1/4 x 3/4 Lg	48	32	56	40	56	48
32	W-475	Hex Bolt - 3/8 x 1 Lg	-	-	-	-	4	4
33	W-496	Hex Bolt - 1/2 x 5 1/2 Lg	12	8	16	12	16	12
34	S-1198	Flatwasher - 1/4	12	8	14	10	14	12
35	W-521	Lockwasher - 1/4	36	24	42	30	42	36
36	D-5579	Flatwasher - 3/8	12	12	16	8	16	12
37	W-523	Lockwasher - 3/8	28	20	32	24	36	28
38	W-525	Lockwasher - 1/2	12	8	16	12	16	12
39	D-5277	Serrated Locknut - 1/4	36	24	42	30	42	36
40	W-512	Hex Nut - 1/4	36	24	42	30	42	36
41	D-5279	Serrated Locknut - 3/8	12	8	16	12	16	12
42	W-514	Hex Nut - 3/8	28	20	32	24	36	28
43	W-516	Hex Nut - 1/2	12	8	16	12	16	12
44	N27329	Tube - Primary - 45 deg Elbow	8	4	8	4	8	8
45	N15022	Clamp - Muffler - 2 1/2 Dia	8	4	8	4	8	8

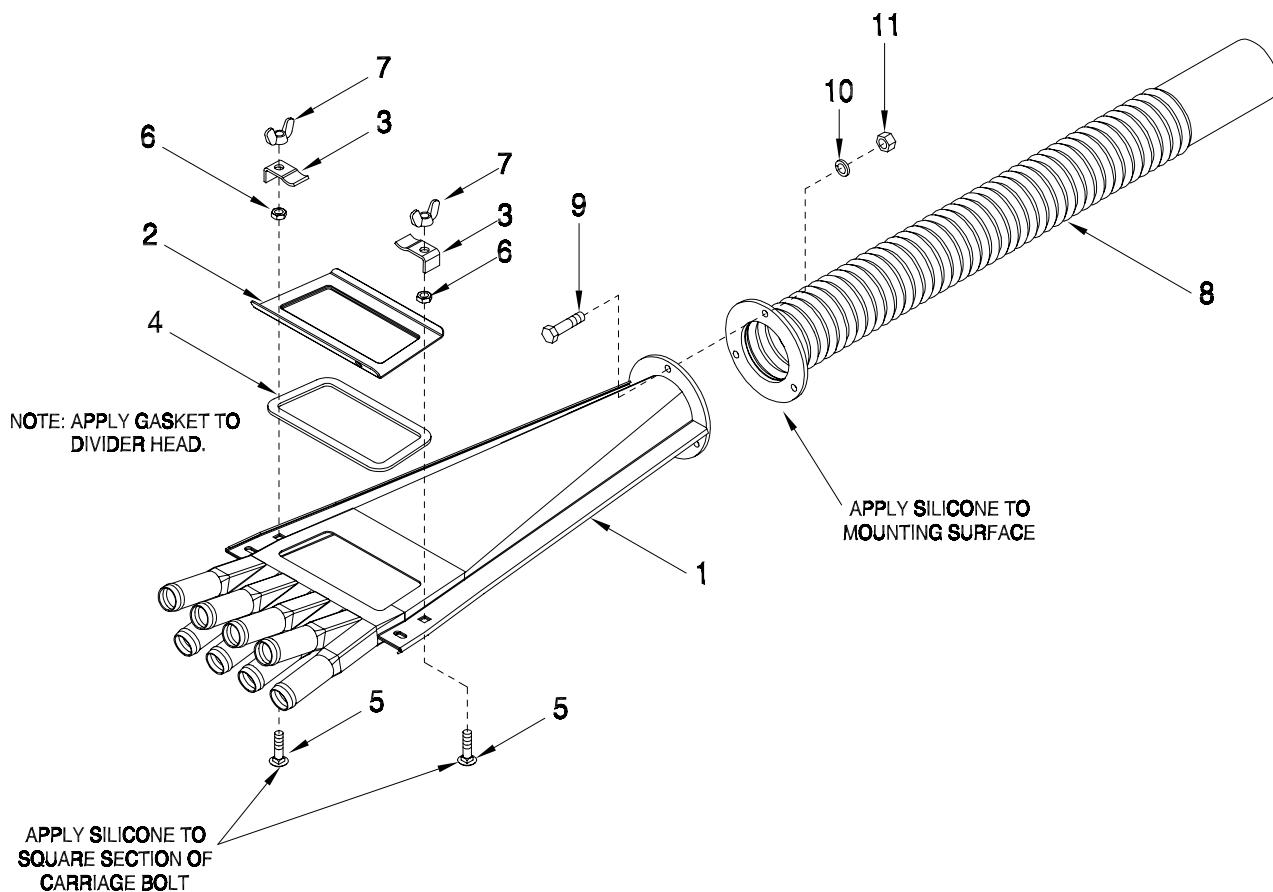
**Distribution
Dual Shoot Tow Between**



Distribution - Dual Shoot Tow Between

Item	Part No.	Description	No: Used					
			28' 44 Runs	28' 32 Runs	34' 52 Runs	34' 40 Runs	40' 64 Runs	40' 48 Runs
1	N34355	Support - Divider Head - 6 1/4	2	2	3	1	3	2
1A	N33831	Bracket - Divider Head #1	2	2	3	1	3	2
2	N33834	Bracket - Divider Head #2	8	4	8	8	4	4
3	N33838	Bracket - Divider Head #4 - Left	-	-	-	-	2	2
4	N34421	Bracket - Mounting - "U"	-	-	-	-	2	2
5	D12714	U-Bolt - 3/8 x 2 1/16 x 2 3/4	2	2	3	1	3	2
6	N34025	U-Bolt - 3/8 x 5 x 8	8	4	8	8	4	4
7	N34424	U-Bolt - 3/8 x 6 x 3	-	-	-	-	4	4
8	H10592	U-Bolt - 3/8 x 6 x 5	2	2	3	1	3	2
9	N19531	Support - Bottom - Rod 24	2	2	2	2	2	2
10	N19448	Chain - 80 Link	1	1	1	1	1	1
11	N19717	Hook - Chain	2	2	2	2	2	2
12	N19398	Coupler - Hose - Tank	3	2	4	3	4	3
13	N19573	Cover Plate - Coupler	6	4	8	6	8	6
14	N19395	Coupler - Hose - Seeder	3	2	4	3	4	3
15	N15135	Pipe - Corr Diff - Divider Head	12	8	14	10	14	12
16	N31190	Divider Assembly - 10 Outlet	-	-	-	-	2	-
16A	N31189	Divider Assembly - 9 Outlet	-	-	-	-	12	-
16B	N31188	Divider Assembly - 8 Outlet	4	8	6	10	-	12
16C	N31187	Divider Assembly - 7 Outlet	8	-	8	-	-	-
17	N19406	Support - 10 Outlet	-	-	-	-	1	-
17A	N15595	Support - 9 Outlet	-	-	-	-	6	-
17B	N15107	Support - 8 Outlet	2	4	3	5	-	6
17C	N15594	Support - 7 Outlet	4	-	4	-	-	-
18	N16689	Bracket Front - Dual Shoot Heads	12	8	14	10	14	12
19	N16507	Spacer - Rear - Dual Shoot Heads	6	4	7	5	7	6
20	N15102	Support - Rear	6	4	7	5	7	6
21	N19575	Base - Hose Coupler	3	2	4	3	4	3
22	N19409	Plate - Mount	3	2	4	3	4	3
23	N11905	Hose Clamp - 2 1/2 Dia	48	32	56	40	56	48
24	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1200	900	1500	1050	1500	1200
24A	R480034	Hose - .929 ID x 1.169 OD/ft (75 ft roll)	1.5 ft					
25	R480055	Hose - 2 1/2 ID/ft Goodyear (100 ft rolls)	300 ft	200 ft	350 ft	300 ft	400 ft	300 ft
26	N19030	Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft)	3	2	4	3	4	3
27	N16504	U-Bolt - 1/4 x 2 9/16	6	4	7	5	7	6
28	N15098	U-Bolt - 3/8 x 4 x 5	2	2	2	2	2	2
29	N24396	Setscrew - 1/4 x 1/2 Lg	17	12	20	15	20	17
30	K-3830	Hex Bolt - 1/4 x 1/2 Lg	12	8	14	10	14	12
31	W-469	Hex Bolt - 1/4 x 3/4 Lg	48	32	56	40	56	48
32	W-475	Hex Bolt - 3/8 x 1 Lg	-	-	-	-	4	4
33	W-496	Hex Bolt - 1/2 x 5 1/2 Lg	12	8	16	12	16	12
34	S-1198	Flatwasher - 1/4	12	8	14	10	14	12
35	W-521	Lockwasher - 1/4	36	24	42	30	42	36
36	D-5579	Flatwasher - 3/8	12	12	16	8	16	12
37	W-523	Lockwasher - 3/8	28	20	32	24	36	28
38	W-525	Lockwasher - 1/2	12	8	16	12	16	12
39	D-5277	Serrated Locknut - 1/4	36	24	42	30	42	36
40	W-512	Hex Nut - 1/4	36	24	42	30	42	36
41	D-5279	Serrated Locknut - 3/8	12	8	16	12	16	12
42	W-514	Hex Nut - 3/8	28	20	32	24	36	28
43	W-516	Hex Nut - 1/2	12	8	16	12	16	12
44	N27329	Tube - Primary - 45 deg Elbow	8	4	8	4	8	8
45	N15022	Clamp - Muffler - 2 1/2 Dia	8	4	8	4	8	8

Distribution Divider Head



Head Size	Number of Secondary Outlets																														
	3 Primaries										4 Primaries										5 Primaries										
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
7 Outlet	3	2	1	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
8 Outlet	*	1	2	3	2	1	*	*	*	*	3	4	3	2	1	*	*	*	*	*	4	3	2	1	*	*	*	*	*		
9 Outlet	*	*	*	*	1	2	3	2	1	*	*	*	1	2	3	4	3	2	1	*	1	2	3	4	5	4	3	2	1		
10 Outlet	*	*	*	*	*	*	*	*	1	2	3	*	*	*	*	*	*	1	2	3	4	*	*	*	*	*	1	2	3	4	5

Head Size	Number of Secondary Outlets																														
	6 Primaries										7 Primaries										8 Primaries										
	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
7 Outlet	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8 Outlet	3	2	1	*	*	*	*	*	*	2	1	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*		
9 Outlet	3	4	5	6	5	4	3	2	1	*	5	6	7	6	5	4	3	2	1	*	7	8	7	6	5	4	3	2	1		
10 Outlet	*	*	*	*	1	2	3	4	5	6	*	*	*	1	2	3	4	5	6	7	*	*	1	2	3	4	5	6	7	8	

Distribution - Divider Head

		SEVEN OUTLET DIVIDER HEAD	
1	N31177	Divider Head - 7 Outlet	1
2	N31160	Access Door - 7 Outlet	1
3	N31165	Clip	2
4	N31171	Gasket - 7 Outlet	1
5	N31012	Carriage Bolt - 5/16 x 1 1/4	2
6	N31014	Hex Jam Nut - 5/16	2
7	N31016	Wing Nut - 5/16	2
	N31187	7 Outlet Divider Head Assembly (Includes All Above Items)	
		EIGHT OUTLET DIVIDER HEAD	
1	N31178	Divider Head - 8 Outlet	1
2	N31161	Access Door - 8 Outlet	1
3	N31165	Clip	2
4	N31172	Gasket - 8 Outlet	1
5	N31012	Carriage Bolt - 5/16 x 1 1/4	2
6	N31014	Hex Jam Nut - 5/16	2
7	N31016	Wing Nut - 5/16	2
	N31188	8 Outlet Divider Head Assembly (Includes All Above Items)	
		NINE OUTLET DIVIDER HEAD	
1	N31179	Divider Head - 9 Outlet	1
2	N31162	Access Door - 9 Outlet	1
3	N31165	Clip	2
4	N31173	Gasket - 9 Outlet	1
5	N31012	Carriage Bolt - 5/16 x 1 1/4	2
6	N31014	Hex Jam Nut - 5/16	2
7	N31016	Wing Nut - 5/16	2
	N31189	9 Outlet Divider Head Assembly (Includes All Above Items)	
		TEN OUTLET DIVIDER HEAD	
1	N31180	Divider Head - 10 Outlet	1
2	N31163	Access Door - 10 Outlet	1
3	N31165	Clip	2
4	N31174	Gasket - 10 Outlet	1
5	N31012	Carriage Bolt - 5/16 x 1 1/4	2
6	N31014	Hex Jam Nut - 5/16	2
7	N31016	Wing Nut - 5/16	2
	N31190	10 Outlet Divider Head Assembly (Includes All Above Items)	
		CORRUGATED DIFFUSER PIPE	
8	N15135	Pipe - Corr Diff - Divider Head	1
9	W-469	Hex Bolt - 1/4 x 3/4	3
10	W-521	Lock Washer - 1/4	3
11	W-512	Hex Nut - 1/4	3

Notes

Section 10:

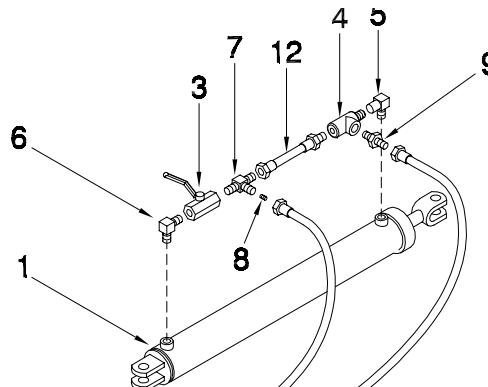
Wheel Markers

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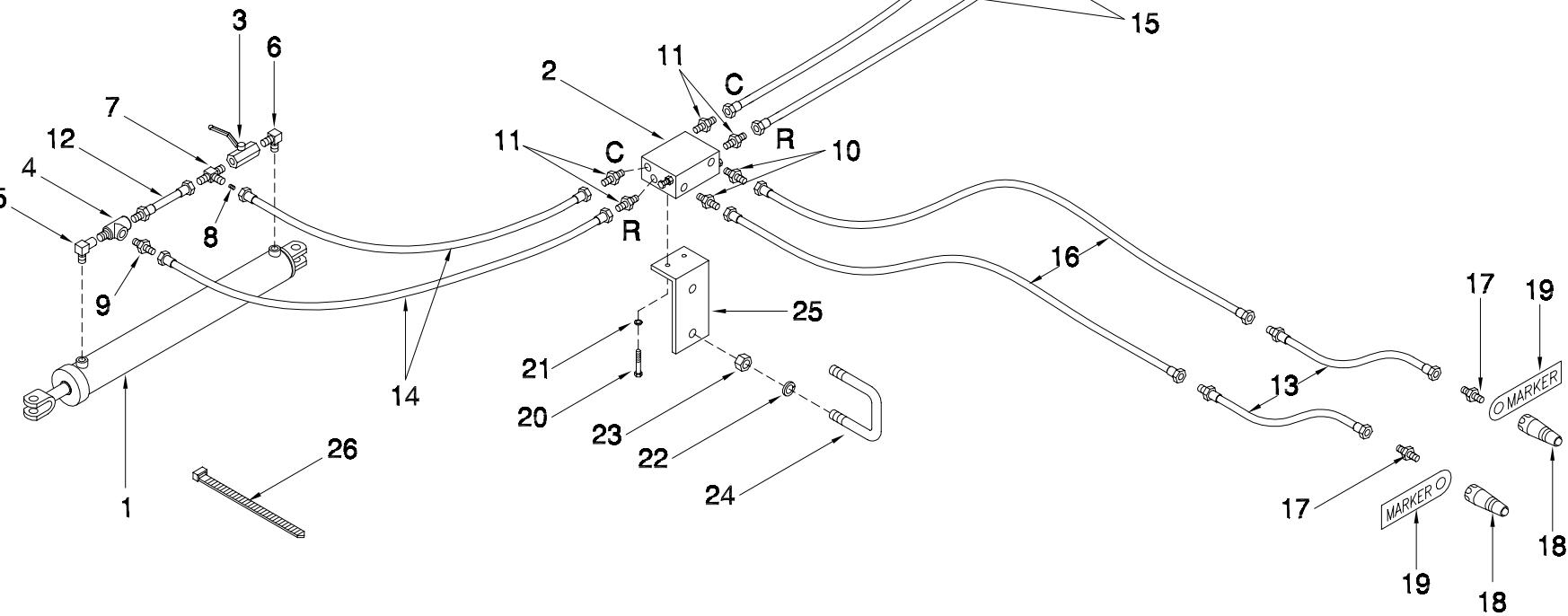
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Important

Item 8 is not used in conjunction
with Item 2.
Remove 3/64 Orifice set screw (8)
from Tee (7).



June 2005



Never Pin Disc Drill

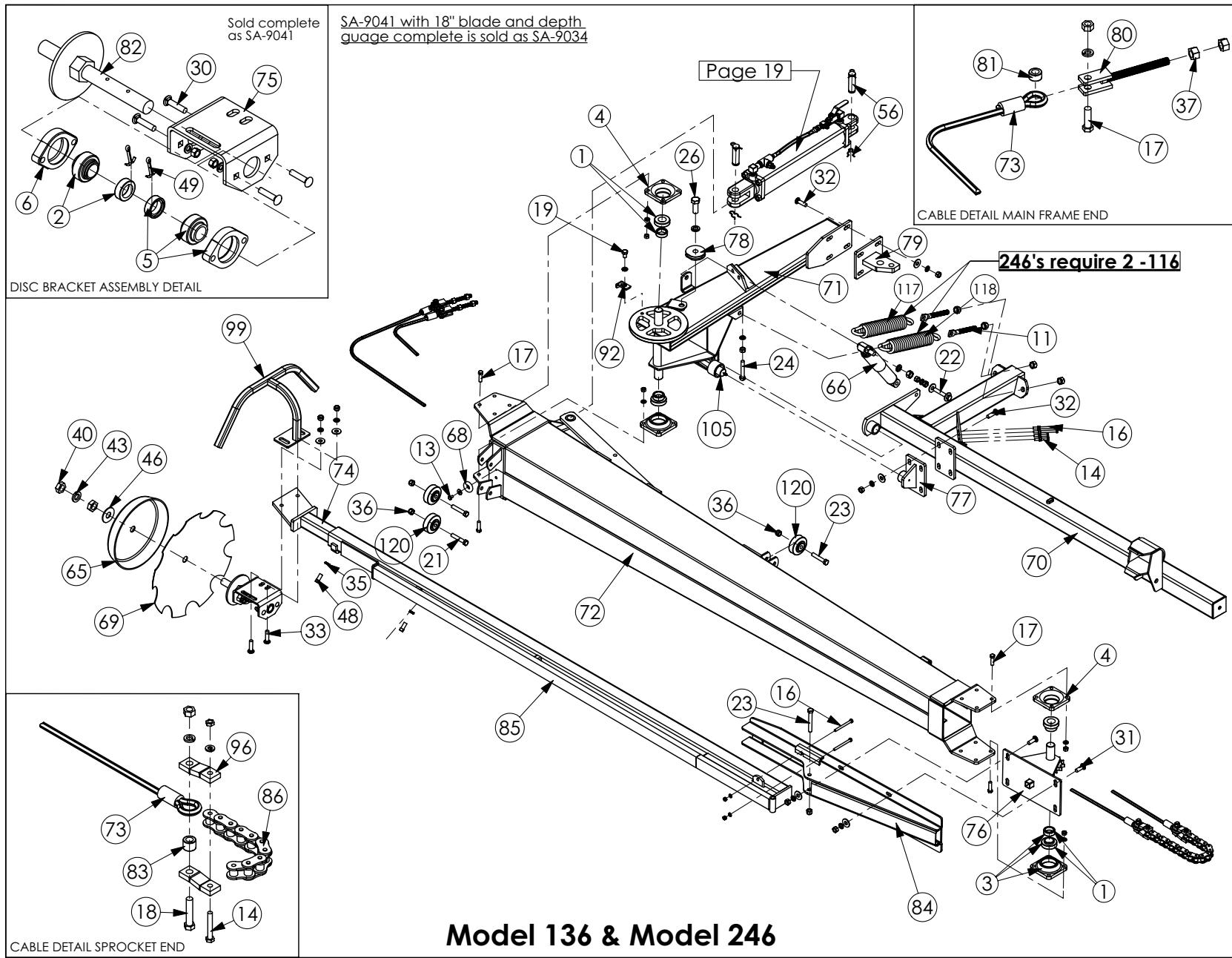
Field Marker Hydraulics

Item	Part No.	Description	Qty
1	HYD-2368	*Cylinder - 3 x 16	2
2	N34322	*Sequence Valve	1
3	HYD-2890	*Ball Valve - 3/8	2
4	HYD-2896	*Pilot Operated Check Valve	2
5	HYD-2893	*Elbow 90 Degree - 1/2 MNPT x 3/8 MNPT	2
6	HYD-2888	*Elbow 90 Degree - 1/2 MNPT x 3/8 FNPT	2
7	HYD-2892	*Tee - (2) 3/8 MNPT x (1) 9/16-18 MJIC	4
8	SA-8400	*Set Screw - 3/64 Orifice	2
9	HYD-2891	*Straight - 3/8 MNPT x 9/16-18 MJIC	2
10	HYD-2510	*Straight - 9/16-18 MJIC	2
11	HYD-2481	*Special Fitting - 9/16-18 MJIC	4
12	HYD-2894	*Hydraulic Hose - 1/4 x 11 1/2 - 1/4 MNPT x 9/16-18 FJIC	2
13	F11010	Hydraulic Hose - 1/4 x 60 - 9/16-18 MJIC x 9/16-18 FJIC	2
14	D17585	Hydraulic Hose - 1/4 x 176 - 9/16-18 FJIC (28 ft)	2
14A	D17845	Hydraulic Hose - 1/4 x 198 - 9/16-18 FJIC (34 ft)	2
14B	C26340	Hydraulic Hose - 1/4 x 252 - 9/16-18 FJIC (40 ft)	2
15	D17845	Hydraulic Hose - 1/4 x 198 - 9/16-18 FJIC (28 FT)	2
15A	F14659	Hydraulic Hose - 1/4 x 230 - 9/16-18 FJIC (34 FT)	2
15B	D15435	Hydraulic Hose - 1/4 x 276 - 9/16-18 FJIC (40 FT)	2
16	C26340	Hydraulic Hose - 1/4 x 282 - 9/16-18 FJIC	2
17	C15348	Straight Adaptor - 3/4-16 ORB x 9/16-18 MJIC	2
18	N34443	Male Tip - 3/4-16 ORB	2
19	N34364	Tag - Hose ID - Wheel Marker	2
20	W-475	Hex Bolt - 3/8 x 1	2
21	W-523	Lockwasher - 3/8	4
22	W-526	Lockwasher - 5/8	2
23	W-517	Hex Nut - 5/8	2
24	C12527	U-Bolt - 5/8 x 4 x 8 1/2	1
25	*****	Valve Bracket	1
26	*****	Tie Strap	

* Order Haukaas Parts Through Haukaas Mfg. Ltd. (306-355-2718)

**Haukaas Field Markers
Model 136 & Model 246**

Order Parts Through Haukaas Mfg Ltd. (306-355-2718)

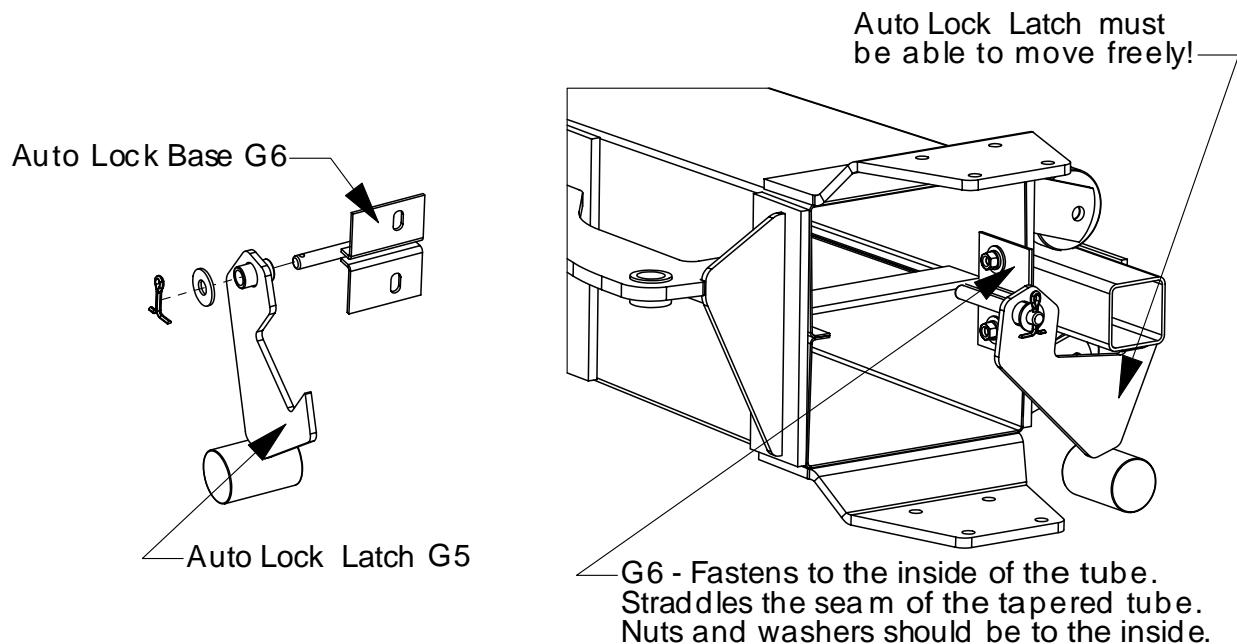


Haukaas Field Markers - Model 136 & 246

Item	Part No.	Description
1	BRG-2207	1-1/4 Bearing C/W Locking Collar
2	BRG-2209	1 Bearing C/W Locking Collar (Double Seal)
3	BRG-2450	1-1/4 Bearing & Housing Assembly
4	BRG-2463	1-1/4 Bearing Housing Only
5	BRG-2476	1 Bearing & Housing Assembly (2 Blt)
6	BRG-2486	1 Bearing Housing Only (2 Blt)
11	FNS-02392	5/8 - 11 x 6 I-Bolt (Thread - 4 LG)
13	FNS-110B5PC	5/16 x 1/2 NC 5 PL
14	FNS-112-5PC	5/16 x 2 GR. 5 Hex Bolt
16	FNS-113B5PC	5/16 x 3-1/2 GR. 5 Shear Bolt
17	FNS-131B5PC	7/16 x 1-1/2 GR. 5 Shear Bolt
18	FNS-132-5PC	7/16 x 2 GR. 5 Hex Bolt Plt
19	FNS-14C5PC	1/2 x 3/4 NC 5 PL
21	FNS-142C5PC	1/2 x 2-3/4 GR. 5 Hex Bolt
22	FNS-143-5PC	1/2 x 3 NC 5 PL
23	FNS-143C8PC	1/2 x 3-3/4 GR. 8 Hex Bolt
24	FNS-144B5PC	1/2 x 4-1/2 Stop Bolt
26	FNS-172-5PC	3/4 x 2 NC 5 PL
30	FNS-221B5PC	3/8 x 1-1/2 Carriage Head Bolt 5 PL
31	FNS-241A5PC	1/2 x 1-1/4 Carriage Head Bolt 5 PL
32	FNS-241B5PC	1/2 x 1-1/2 Carriage Head Bolt 5 PL
33	FNS-241C5PC	1/2 x 1-3/4 Carriage Head Bolt 5 PL
35	FNS-54JPC	1/2 - 13 NC Jam Nut
36	FNS-54LPC	1/2 - 13 NC Nylon L/N
37	FNS-54RPC	1/2 - 13 NC Hex Nut
40	FNS-59JPC	1 - 8 Jam Nut Plt
43	FNS-69RP	1 Lock Washer Plt
46	FNS-79RP	1 Flat Washer Plt
48	FNS-8A41BPC	1/2 x 1-1/2 Sq Hd Set
49	FNS-8CB-1BP	3/16 x 1-1/2 Cotter Pin
56	HYD-2528	Cylinder Pin Kit
65	MIS-2192	Nylon Depth Guage
66	MIS-2195	Shock Absorber
68	MIS-2362	Rubber Bumper Pad
69	MIS-2526	18 Notched Disc Blade
70	SA-851L	Small Sub-Frame Left
	SA-851R	Small Sub-Frame Right
71	SA-852L	Main Frame Left
	SA-852R	Main Frame Right
72	SA-853/136L	Primary Arm 136 Left
	SA-853/136R	Primary Arm 136 Right
	SA-853/246L	Primary Arm 246 Left
	SA-853/246R	Primary Arm 246 Right
73	SA-854/136	136 Cable - 88 Lg Overall
	SA-854/246	246 Cable - 112 Lg Overall
74	SA-855	Third Stage Arm
75	SA-856	Disc Assembly Bracket
76	SA-857	Small Sprocket Assembly (4 Hole)
77	SA-865	End Bushing Bracket Assembly
78	SA-866	3 Cable Pulley
79	SA-867	Hydraulic Cylinder Anchor Bracket
80	SA-869	Cable Clevis Bolts
81	SA-882	Cable/Clevis Bushing (1/2)
82	SA-884	Disc Axle
83	SA-885	1/2 Link Bushing 11/16
84	SA-886	Small Angle Iron Assembly (4 Hole)
85	SA-887/136	136 2nd Stage Arm Tube Assembly
	SA-887/246	246 2nd Stage Arm Tube Assembly
86	SA-888	#8 Roller Chain (18 Pins - 2 Long)
92	SA-8184	Cable Clip
96	SA-8219	3/8 Cable/Chain Half Link
99	SA-8223	1 Square Tube Disc Guard
105	SA-8339	Main Frame Shaft (1-1/4 Cold Rolled 14 Long)
116	SPR-2173	Large CB Spring (2 Per 246)
117	SPR-2315	Small CB Spring (1 Per 136)
118	SPR-2395	Medium CB Spring (1 Per 356/1 Per 136)
119	SPR-2498	X-Large CB Spring (1 Per 466)
120	WHL-2172	3 Nylon Wheel
		Order Parts Through Haukaas Mfg. Ltd. (306-355-2718)

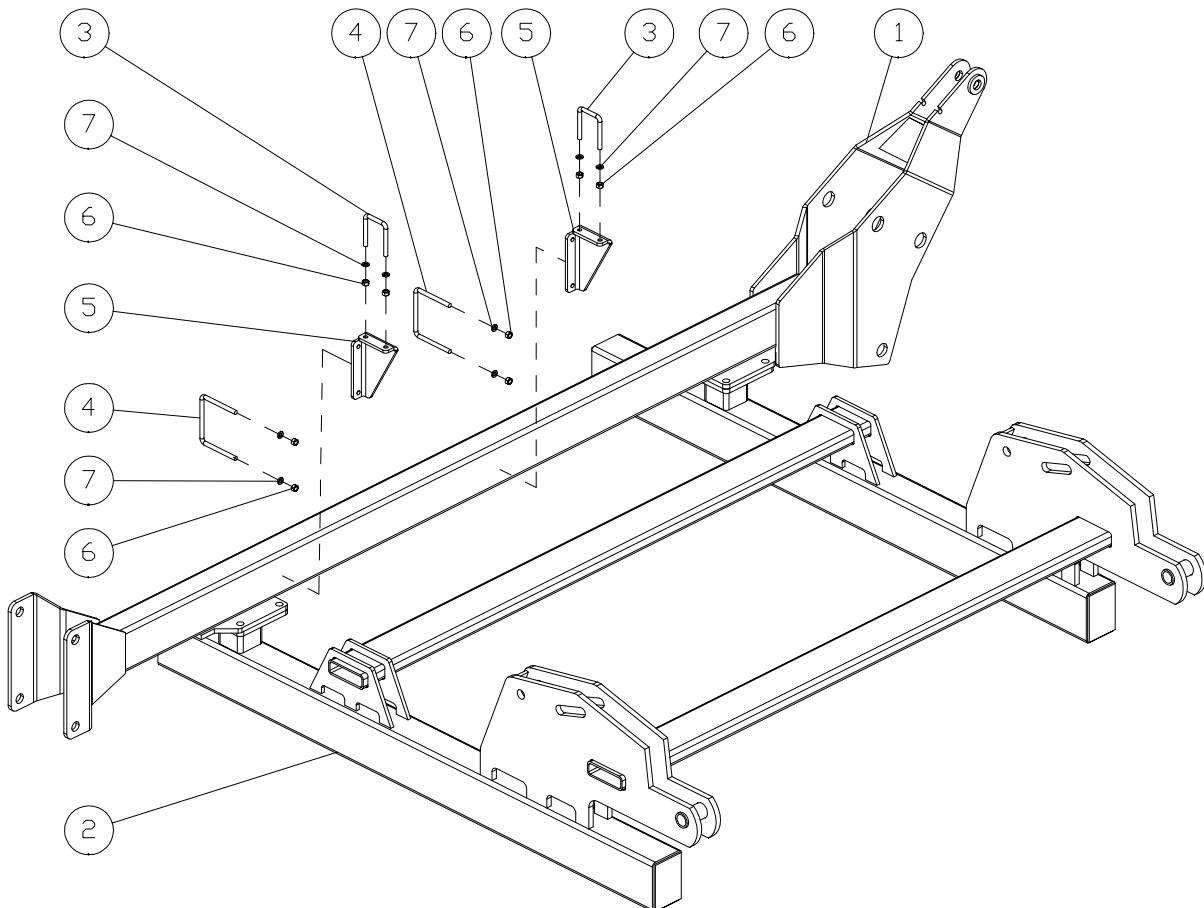
**Haukaas Field Markers
Side Arm Auto-Lock Kit**

Required on 40 ft model.



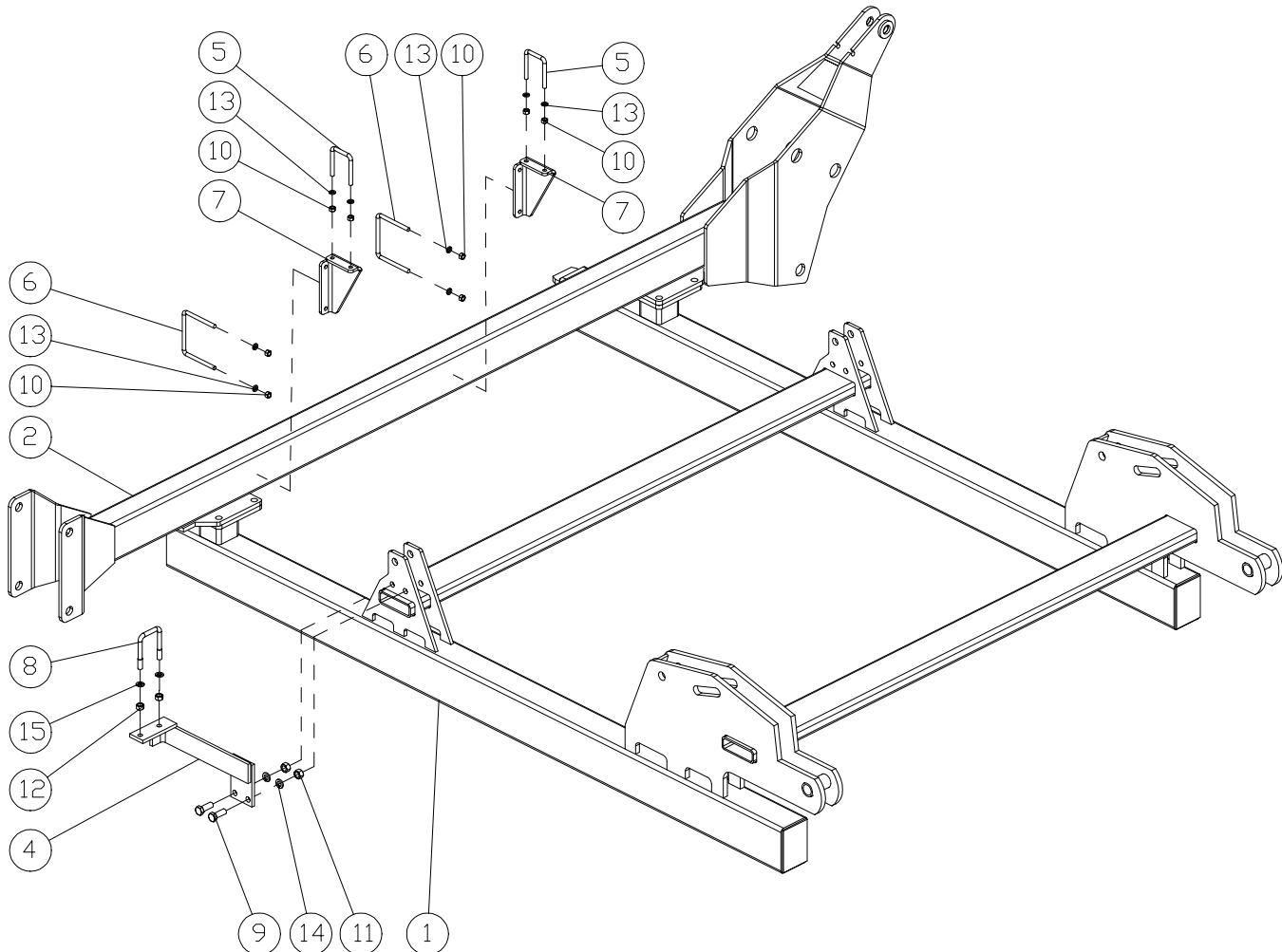
Item	Part No.	Description	Qty
1	G5	Auto-Lock Latch (Order Part Through Haukaas Mfg. Ltd. (306-355-2718))	1
2	G6	Auto-Lock Base (Order Part Through Haukaas Mfg. Ltd. (306-355-2718))	1
3	S-1925	Flat Washer - 1/2	1
4	W-532	Cotter Pin - 3/16 x 1 1/4	1
5	W-187	Hex Bolt - 3/8 x 1 1/4	2
6	W-514	Hex Nut - 3/8	2
7	W-523	Lock Washer - 3/8	2
8	D-5489	Flat Washer - 3/8	2
	SA-01AL	Side Arm Auto-Lock Kit (Includes all above items) Order Kit Through Haukaas Mfg. Ltd. (306-355-2718)	

**Field Markers
28' Mounting Brackets**



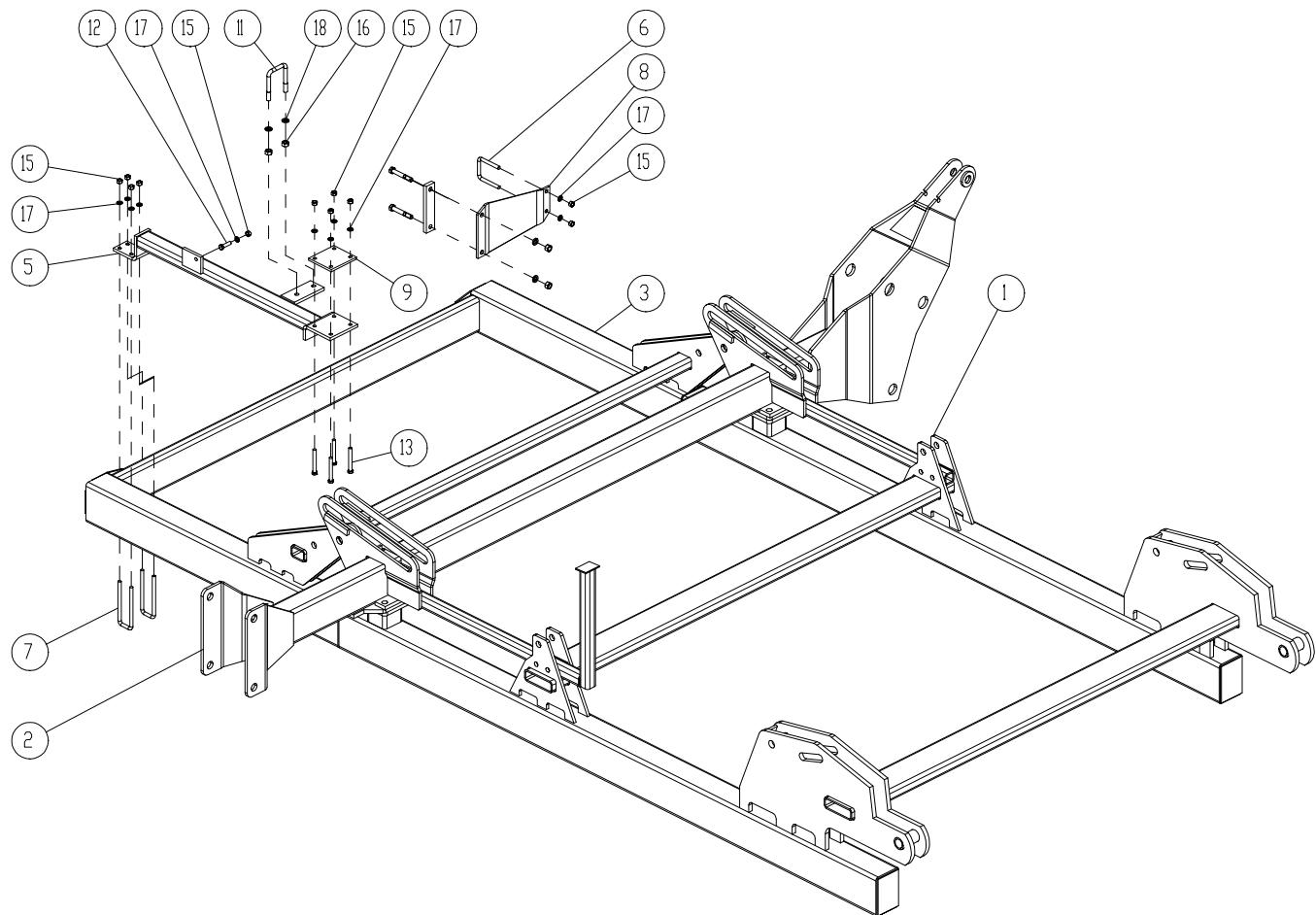
Item	Part No.	Description	Qty
1	N33659	Wing Depth Beam	2
2	N33893	Inner Wing Frame 28 ft	2
3	F-1677	U-Bolt - 1/2 x 3 x 4-1/8	4
4	H-4322	U-Bolt - 1/2 x 6 x 5.625	4
5	N37551	Wheel Marker Bracket 34 ft & 28 ft	4
6	W-516	Hex Nut - 1/2	16
7	W-525	Lockwasher - 1/2	16

**Field Markers
34' Mounting Brackets**



Item	Part No.	Description	Qty
1	N33624	Inner Wing Frame 34 & 40	2
2	N33659	Wing Depth Beam	2
3	N37553	34 ft Left Mounting Bracket (Not Shown)	1
4	N37554	34 ft Right Mounting Bracket	1
5	F-1677	U-Bolt - 1/2 x 3 x 4-1/8	4
6	H-4322	U-Bolt - 1/2 x 6 x 5.625	4
7	N37551	Wheel Marker Bracket 34 ft & 28 ft	4
8	F14331	U-Bolt - 5/8 x 3-1/8 x 4-5/8	2
9	C-695	Hex Bolt - 3/4 x 2 Lg	4
10	W-516	Hex Nut - 1/2	16
11	W-518	Hex Nut - 3/4	4
12	W-517	Hex Nut - 5/8	4
13	W-525	Lockwasher - 1/2	16
14	W-527	Lockwasher - 3/4	4
15	W-526	Lockwasher - 5/8	4

**Field Markers
40' Mounting Brackets**



Item	Part No.	Description	Qty
1	N33624	Inner Wing Frame 34 & 40	2
2	N33659	Wing Depth Beam	2
3	N33777	Outer Wing	2
4	N34336	Left Mounting Bracket	1
5	N34337	Right Mounting Bracket	1
6	F-1677	U-Bolt - 1/2 x 3 x 4-1/8	2
7	H-4321	U-Bolt - 1/2 x 2-1/16 x 7-1/4	4
8	N34333	Formed Mounting Bracket	2
9	N34411	Plate	2
10	N34765	Plate	2
11	F14331	U-Bolt - 5/8 x 3-1/8 x 4-5/8	2
12	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2
13	W-495	Hex Bolt - 1/2 x 4 Lg	8
14	W-504	Hex Bolt - 5/8 x 4 Lg	4
15	W-516	Hex Nut - 1/2	22
16	W-517	Hex Nut - 5/8	8
17	W-525	Lockwasher - 1/2	22
18	W-526	Lockwasher - 5/8	8

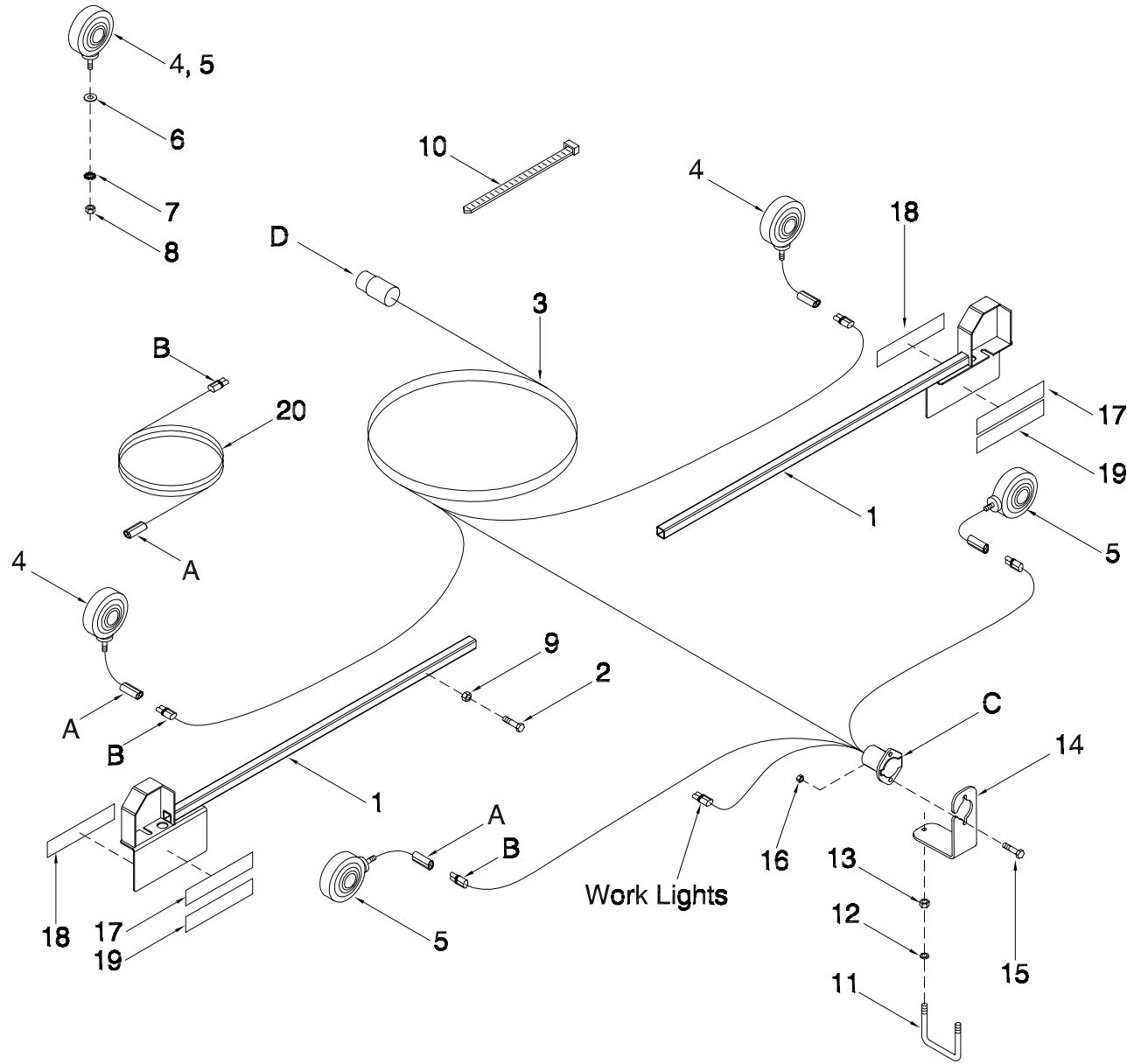
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Section 11:

Lighting and Safety Signs

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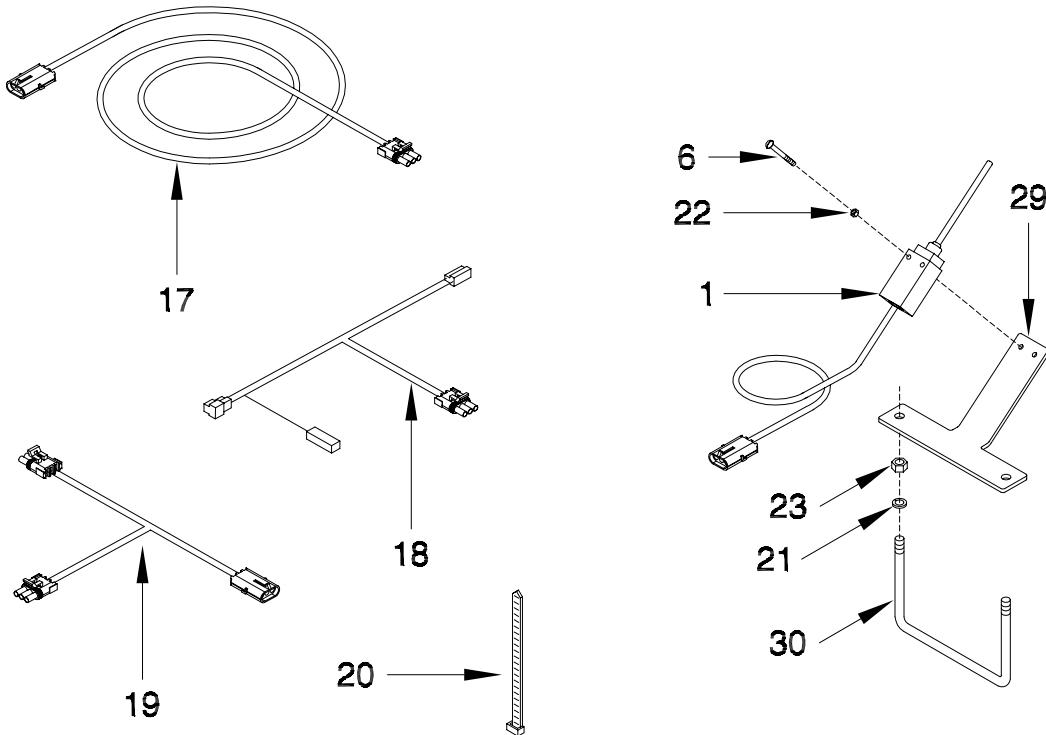
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Optional Remote Clutch Switch - Weather Pak Ends	11-4
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Lighting - Never Pin

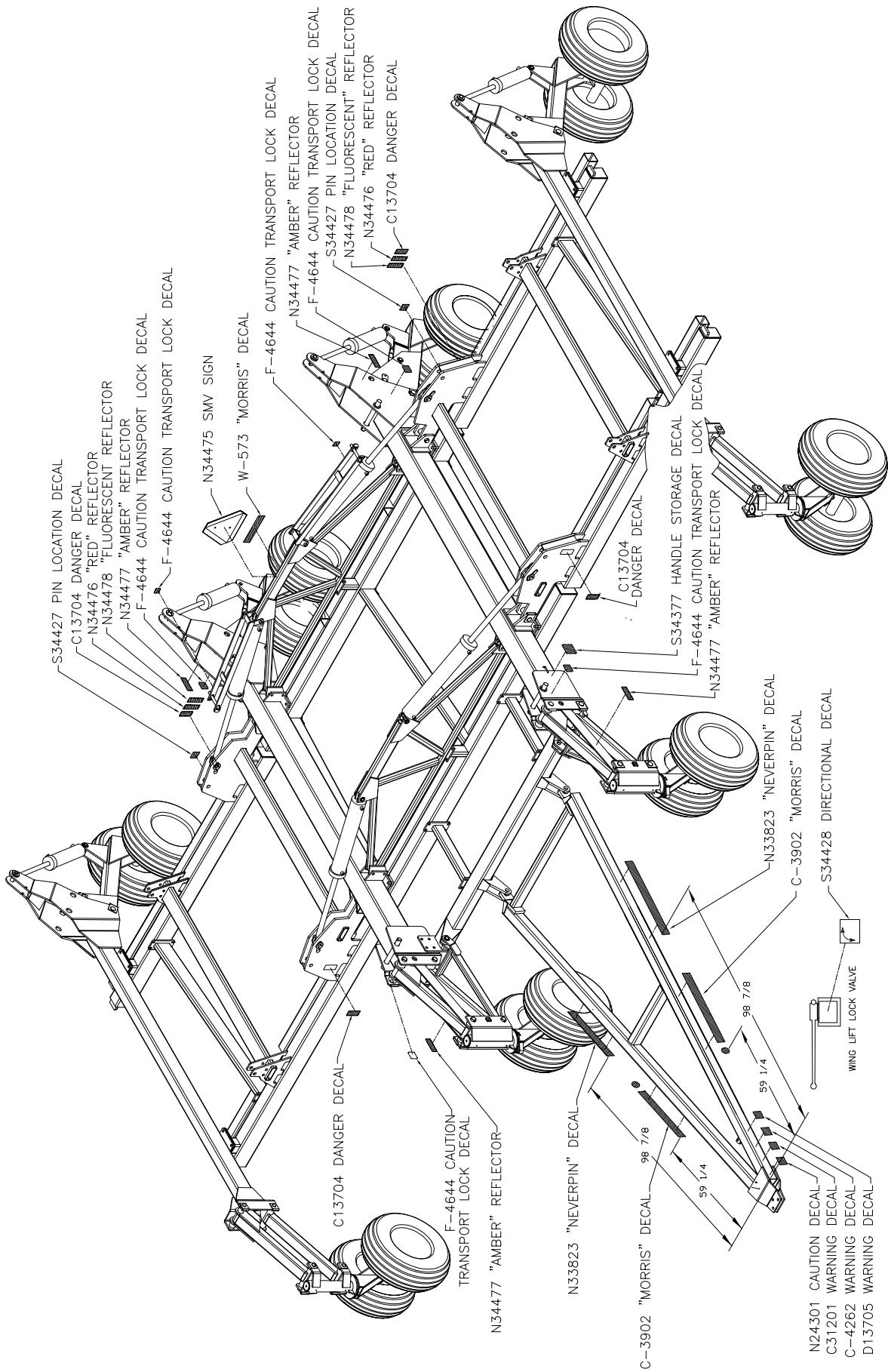
Item	Part No.	Description	Qty
1	S34464	Tube - Mounting - Main - Lighting	2
2	W-484	Hex Bolt - 1/2 x 1	2
3	S34466	Wiring Harness - Safety Lights	1
4	C32765	Light - Amber	2
5	C32766	Light - Red	2
6	W-539	Flat Washer - 1/2	4
7	D-5280	Star Washer - 1/2	4
8	W-516	Hex Nut - 1/2	4
9	S-1292	Jam Nut - 1/2	2
10	D-4951	Nylon Tie Strap - 7 3/8 lg	10
11	N15098	U - Bolt - 3/8 x 4 x 5	1
12	W-523	Lockwasher - 3/8	8
13	W-514	Hex Nut - 3/8	8
14	N32001	Bracket - Mounting	1
15	N29048	Carriage Head Bolt - 5/16 x 1 lg	2
16	D-5278	Serrated Nut - 5/16	2
17	N34476	Reflector - Red	2
18	N34477	Reflector - Amber	2
19	N34478	Reflector - Orange	2
20	C31439	Wiring Extension - 2 Pin - 10 ft	2
	C32761 C32762 C32515 C32656	Red Acrylic Lens Amber Acrylic Lens Bulb - #1156 (Amber Light) Bulb - #1157 (Red Light)	
A	C32681	Recepticale Connector Assembly - GRAY - 2 Pin	
B	C32682	Plug Connector Assembly - GRAY - 2 Pin	
C	C32686 C32684 C32685	Connector Assembly - 7 Pin Socket Interior - Socket - 7 Pin Connector Protective Boot - Socket - 7 Pin Connector	
D	C32690 C32688 C32689	Connector Assembly - 7 Pin Plug (Complete with Cable Protector Spring) Interior - Plug - 7 Pin Connector Cable Protector Spring - Plug - 7 Pin Connector	
	N34413	Kit Lighting - Never Pin Tool Bar ORDER KIT THROUGH WHOLE GOODS ONLY	

Metering
Optional Remote Clutch Switch - Weather Pak Ends



Item	Part No.	Description	Qty
1	N32481	Work Switch & Wire - Weather Pak end	1
6	N32101	Stove Bolt - 3/16 x 1 1/2 Lg	2
17	N32457	Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak ends	1
18	N32483	Connector - 'Y'Wire Tow Between ONLY - Weather Pak ends	1
19	N32482	Connector - 'Y'Wire Tow Behind ONLY - Weather Pak ends	1
20	S13336	Tie Strap	6
21	W-523	Lock Washer - 3/8	2
22	N32102	Nut - 3/16	2
23	W-514	Nut - 3/8	2
29	N34731	Bracket - Work Switch - Never Pin	1
30	H10592	U-Bolt - 3/8 x 6 x 5	1
Order Kits through Wholegoods Only			
Kit Work Switch Never Pin - Tow Between (Includes Above Items except 19)			
Kit Work Switch Never Pin - Tow Behind (Includes Above Items except 18)			

Safety Signs



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