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WIL-RICH
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WARRANTY

The only warranty Wil-Rich gives and the only warranty the dealer is authorized to give is as follows:

We warrant products sold by us to be in accordance with our published specifications or those specifications agreed to by us in writing at time of sale. Our obligation and liability under this warranty is expressly limited to repairing, or replacing, at our option, within 12 months after date of retail delivery, any product not meeting the specifications. ***We make no other warranty, express or implied and make no warranty of merchantability or of fitness for any particular purpose.*** Our obligation under this warranty shall not include any transportation charges or costs or installation or any liability for direct, indirect or consequential damage or delay. If requested by us, products or parts for which a warranty claim is made are to be returned transportation prepaid to our factory. Any improper use, operation beyond rated capacity, substitution of parts not approved by us, or any alteration or repair by others in such manner as in our judgement affects the product materially and adversely shall void this warranty. ***No employee or representative is authorized to change this warranty in any way or grant any other warranty.***

Wil-Rich reserves the right to make improvement changes on any of our products without notice.

When warranty limited or not applicable: Warranty on hoses, cylinders, hubs, spindles, engines, valves, pumps or other trade accessories are limited to the warranties made by the respective manufacturers of these components. Rubber tires and tubes are warranted directly by the respective tire manufacturer only, and not by Wil-Rich.

Warranty does not apply to any machine or part which has been repaired or altered in any way so as in our judgement to affect its reliability, or which has been subject to misuse, negligence or accident.

A Warranty Validation and Delivery Report form must be filled out and received by Wil-Rich to initiate the warranty coverage.

WARRANTY CLAIMS PROCEDURE

1. The warranty form must be returned to Wil-Rich within fifteen (15) working days from the repair date.
2. Parts returned to Wil-Rich without authorization will be refused. The parts must be retained at the dealership for ninety (90) days after the claim has been filed. If the Service Department would like to inspect the parts, a packing slip will be mailed to the dealer. The packing slip must be returned with the parts. The parts must be returned prepaid within thirty (30) days of receiving authorization. After the parts are inspected and warranty is verified, credit for the return freight will be issued to the dealer.
3. Parts that will be scrapped at the dealership will be inspected by a Wil-Rich Sales Representative, District Sales Manager or Service Representative within the ninety (90) day retaining period.

ORIENTATION

Any reference to left (L) or right (R) sides or components is to be understood as being viewed from behind the implement and looking forward.

PARTS BOOK REVISION

When changes to the machine make it necessary, revised or additional pages for this book will be issued. The revised pages will be issued with the same page number with a letter suffix denoting the location of the new page.

SERIAL NUMBER BREAK

Every implement has a serial number located on the body of the frame. These serial numbers are consecutively assigned to the implements as they are manufactured. To aid in part ordering, we reference the serial number at the point the change occurred to provide an accurate means of determining the proper parts.

MODIFICATIONS

It is the policy of Wil-Rich to improve its products whenever possible and practical to do so. We reserve the right to make changes, improvements and modifications at any time without incurring obligation to make such changes, improvements on any equipment sold previously.

ABBREVIATIONS

AS	Air Seeder
GR	Grade
HC	High Clearance
HD	Heavy Duty
LP	Long Pole
NC	National Coarse Thread
NF	National Fine Thread
NPT	National Pipe Thread
OPT	Optional
SP	Short Pole
TA	Tandem
XSP	Extra Short (Compact) Pole

3PT. CHISEL PLOW

10'	1
3 PT Bolt-On Extensions	2

SERIES 4400 CHISEL PLOW

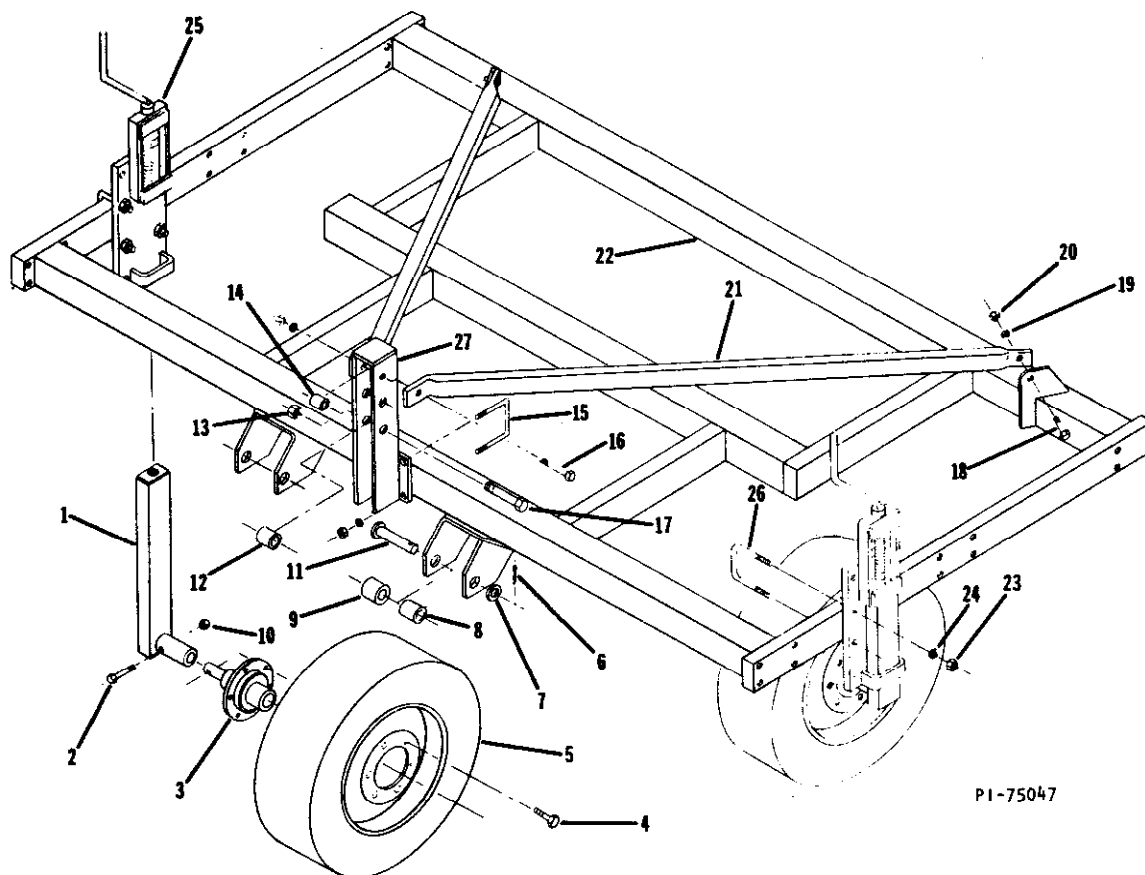
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SERIES 4450 CHISEL PLOW

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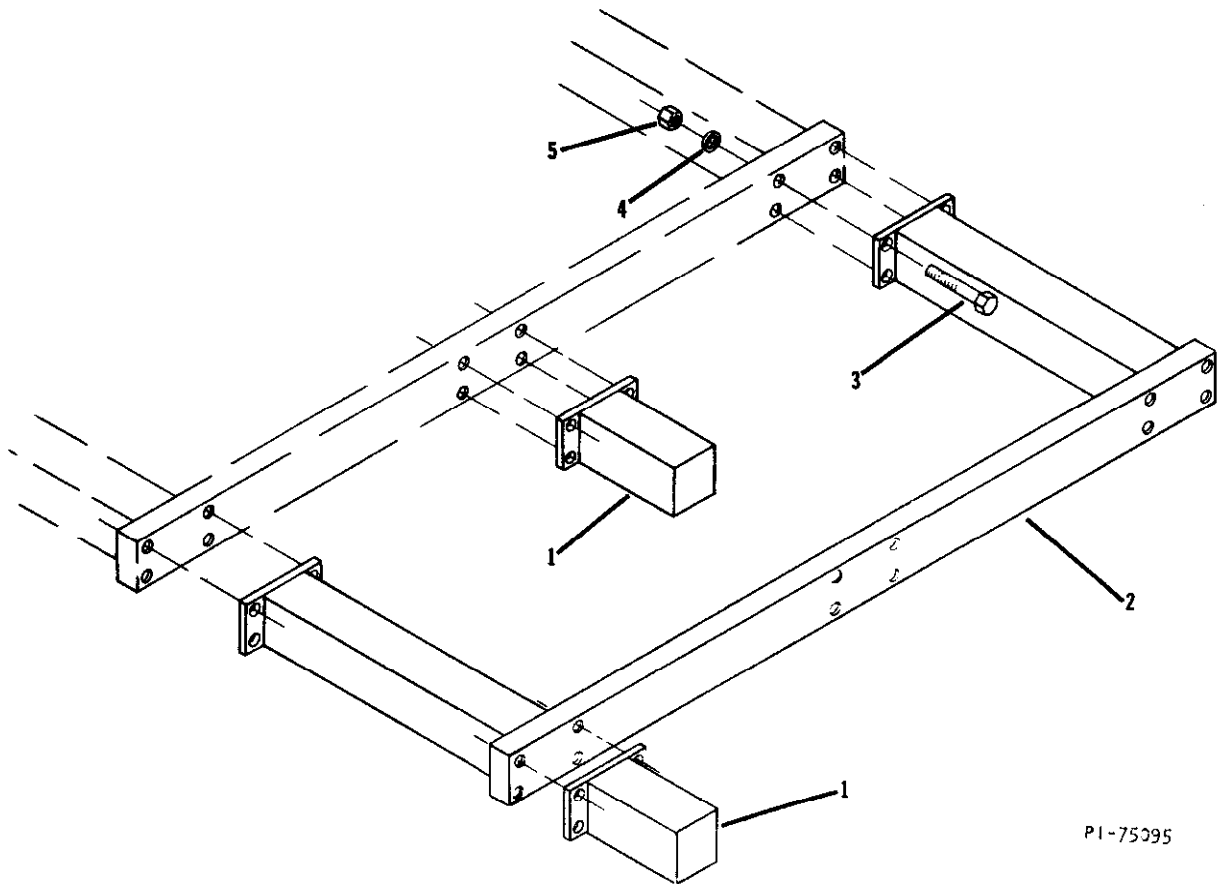


PI-75047

10 FT. RIGID 3 PT MAIN FRAME

Item	Part No.	Description	Qty.
1	15037	Axle Leg	2
2	88313	Bolt, 1/2 NF x 3 GR 5	2
3	11605	Hub & Spindle Assembly	2
4	88142	Wheel Bolt, 1/2 NF x 1	12
5	10236	Wheel Rim, 15 x 6	2
	11949	Tire, 7:60 x 15	2
	11956	Tube, 7:60 x 15	2
6	88133	Cotter Pin, 3/16 x 2	2
7	88397	Flat Washer, 1-1/8	2
8	23010	Bushing (1-7/16 OD x 1-5/32 ID x 2-55/64)	2
9	13590	Spacer (1-3/4 OD x 1-3/16 ID x 2-25/32)	2
10	88304	Nut, 1/2 NF Self Lock	2
11	18159	Hitch Pin	2
12	13592	Bushing (1-1/4 OD x 1-1/16 ID x 2-1/16)	1
13	88348	Lock Nut, 1 NC	1

Item	Part No.	Description	Qty.
14	13593	Spacer Bushing (1-1/4 OD x .240 Wall x 2-1/16)	1
15	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	2
16	88305	Bolt, 3/4 NC x 5 GR 5	1
17	88398	Bolt, 1 NC x 4 GR 5	2
18	88290	Bolt, 3/4 NC x 2 GR 8	2
19	88130	Lock Washer, 3/4	3
20	88110	Nut, 3/4 NC	3
21	13584	Brace Tube	2
22	13583	10 CPR 3 PT Main Frame	1
23	88126	Nut, 5/8 NC	12
24	88129	Lock Washer, 5/8	12
25	15040	Bracket Assembly	2
26	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
27	13585	Center Hitch	1

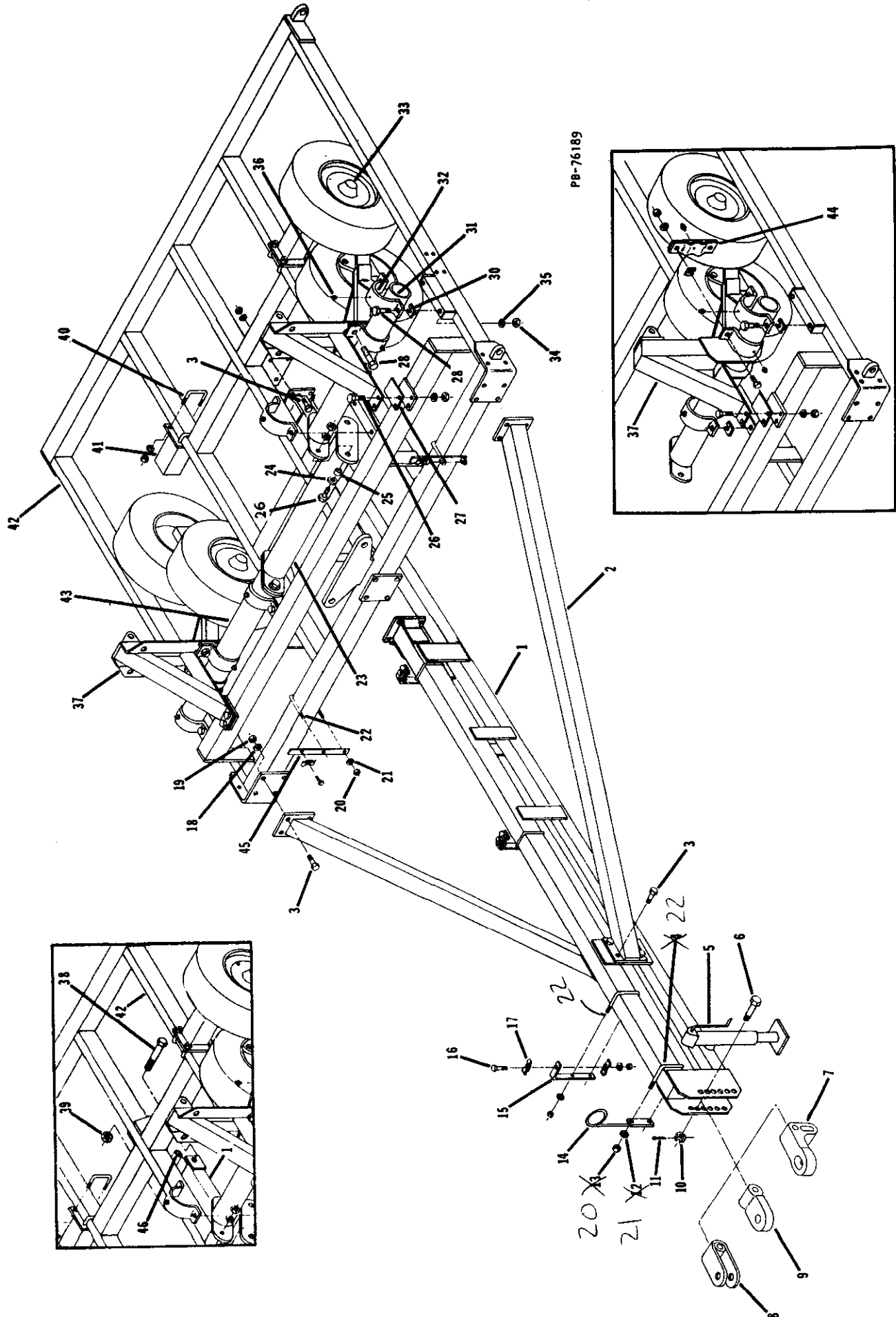


3 PT BOLT ON EXTENSIONS

Item	Part #	Description	Qty.
1	12765	1FT Stub Extension	4
2	10202	2FT x 5FT Box	2
3	88292	Bolt, 5/8 NC x 3-1/2 GR 5	32

Item	Part #	Description	Qty.
4	88129	Lock Washer, 5/8	32
5	88126	Nut, 5/8 NC	32

10 FT. 4410CP MAIN FRAME



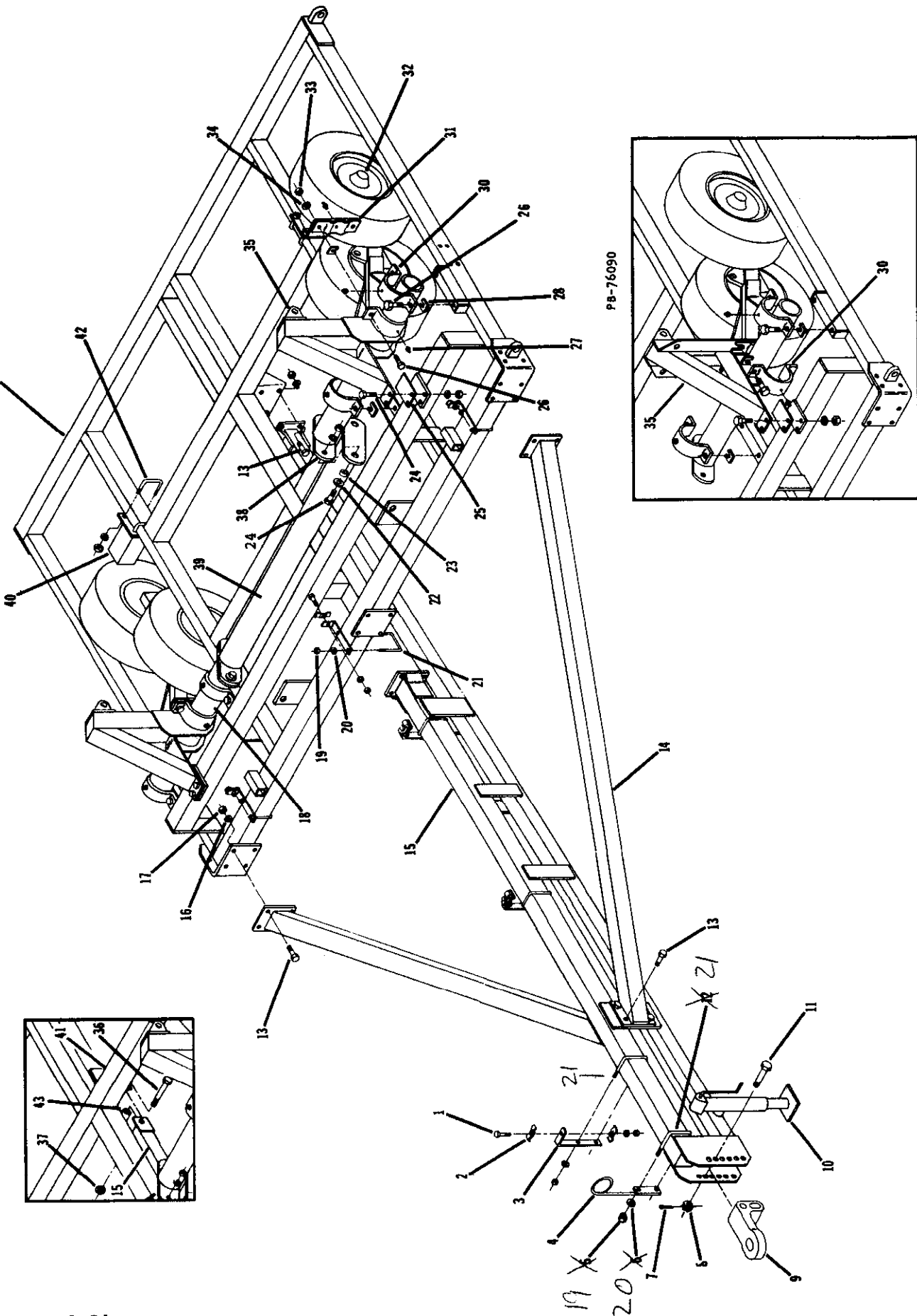
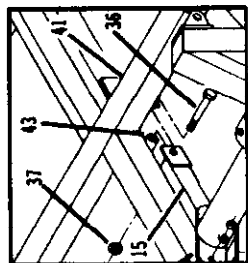
PB-76189

10 FT. 4410CP MAIN FRAME

Item	Part #	Description	Qty.
1	41374	Compact Pole	1
	41423	Short Pole	1
		Serial No.'s Above 400	
1	16008	Compact Pole	1
	13936	Short Pole	1
		Serial No.'s Below 400	
2	16209	Compact Pole Brace	2
	14797	Short Pole Brace	2
3	88290	Bolt, 3/4 NC x 2 GR 8	28
4	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	1
5	12796	Pole Jack	1
6	11638	Hitch Bolt	1
7	18236	Cast Dual Hitch	1
8	11364	Clevis Hitch	1
9	18237	Cast Hitch	1
10	88350	Slotted Nut, 1-1/4 NC	1
11	88133	Cotter Pin, 3/16 x 2	1
12	88129	Lock Washer, 5/8	10
13	88126	Nut, 5/8 NC	10
14	12724	Hose Bracket	1
15	13270	Pole Tube Bracket	3
16	88553	Bolt, 3/8 NC x 1-1/2	5
17	13215	Tube Clamp	8
18	88130	Lock Washer, 3/4	32
19	88110	Nut, 3/4 NC	32
20	88103	Nut, 3/8 NC	15
21	88362	Lock Washer, 3/8	15
22	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	5
23	22192	10' Center Axle	1
24	88131	Flat Washer, 3/4	4
25	12376	Wing Linkage Bushing	4

Item	Part #	Description	Qty.
26	88404	Bolt, 3/4 NC x 2-1/2 GR 5	4
27	21175	Shim Plate	4
28	89071	Bolt, 7/8 NC x 2-1/2 GR 8	16
30	10176	Spacer	32
31	21839	Left Main Axle	1
	21841	Left HC Main Axle (See Walking Tandem Assy, Page 61)	1
32	10399	Axle Cap (Thru 6' Wing) (9-12' Wings)	8 4
33	10236	Wheel Rim, 15 x 6	4
1/2 287	11950	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
34	88371	Nut, 7/8 NC	16
35	88341	Lock Washer, 7/8	16
36	88263	Grease Fitting	12
37	22215	Axle Mast (Thru 6' Wing)	2
	21346	Axle Mast (9-12' Wings)	2
38	88667	Bolt, 1NC X 8 GR 5	2
39	88348	Lock Nut, 1 NC	2
40	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
41	13963	1' U-Bolt Stub	2
42	41427	10' 4410 Main Frame Serial No.'s Above 400	1
42	22191	10' 4410 Main Frame Serial No.'s Below 400	1
43	21840	Right Main Axle	1
	21842	Right HC Main Axle (See Walking Tandem Assy, Page 61)	1
44	21373	Axle Saddle (9-12' Wings)	4
45	22995	Straight Tube Bracket	2
46	29456	Clevis Tube	1

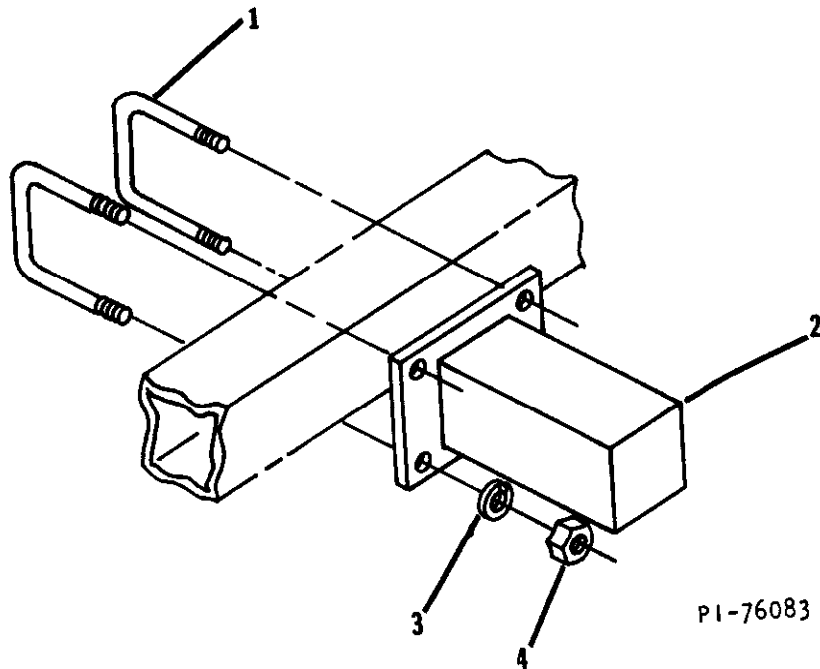
13 FT. 4430CP MAIN FRAME



13 FT. 4430CP MAIN FRAME

Item	Part #	Description	Qty.
1	88553	Bolt, 3/8 NC x 1-1/2 (Short Pole)	6
		(Long Pole)	7
2	13215	Tube Clamp (Short Pole)	9
		(Long Pole)	11
3	13270	Pole Tube Bracket (Short Pole)	6
		(Long Pole)	7
4	12724	Hose Bracket	1
5	88126	Nut, 5/8 NC	10
6	88129	Lock Washer, 5/8	10
7	88133	Cotter Pin, 3/16 x 2	2
8	88350	Slotted Nut, 1-1/4 NC	2
9	18236	Cast Dual Hitch	1
10	12796	Pole Jack	1
11	11638	Hitch Bolt	2
12	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	1
13	88290	Bolt, 3/4 NC x 2 GR 8	28
14	13371	Short Pole Brace	2
	13368	Long Pole Brace	2
15	41423	Short Pole	1
	41425	Long Pole	1
		Serial No.'s Above 510	
15	13936	Short Pole	1
	13937	Long Pole	1
		Serial No.'s Below 510	
16	88130	Lock Washer, 3/4	32
17	88110	Nut, 3/4 NC	32
18	21840	Right Main Axle	1
	21842	Right HC Main Axle	1
	58475	(See Walking Tandem	
	21835 (red)	Assy, Page 61)	
19	88103	Nut, 3/8 NC (Short Pole)	18
		(Long Pole)	21
20	88362	Lock Washer, 3/8 (Short Pole)	18
		(Long Pole)	21

Item	Part #	Description	Qty.
21	88385	U-Bolt, 3/8 NC x 4 x 4-3/4 (Short Pole)	6
		(Long Pole)	7
22	88131	Flat Washer, 3/4	4
23	12376	Wing Linkage Bushing	4
24	88404	Bolt, 3/4 NC x 2-1/2 GR 5	4
25	21175	Shim Plate	4
26	89071	Bolt, 7/8 NC x 2-1/2 GR 8	16
27	88263	Grease Fitting, 1/8 NPT	12
28	10176	Spacer	32
30	10399	Axle Cap (Thru 6' Wing) (9-12' Wings)	8
31	21373	Axle Saddle (9-12' Only)	4
32	10236	Wheel Rim, 15 x 6	4
	11950	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
33	88371	Nut, 7/8 NC	16
34	88341	Lock Washer, 7/8	16
35	22215	Axle Mast (Thru 6' Wing)	2
	21346	Axle Mast (9-12' Wings)	2
36	88667	Bolt, 1 NC X 8 GR 5	2
37	88348	Lock Nut, 1 NC	2
38	21839	Left Main Axle	1
	21841	Left HC Main Axle	1
	21837	(See Walking Tandem	
	w/o w/d	Assy, Page 61)	
39	22165	13' Center Axle	1
40	13963	1' U-Bolt Stub	2
41	41377	13' 4430 Main Frame Serial No.'s Above 510	1
41	21843	13' 4430 Main Frame Serial No.'s Below 510	1
42	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
43	29456	Clevis Tube	1

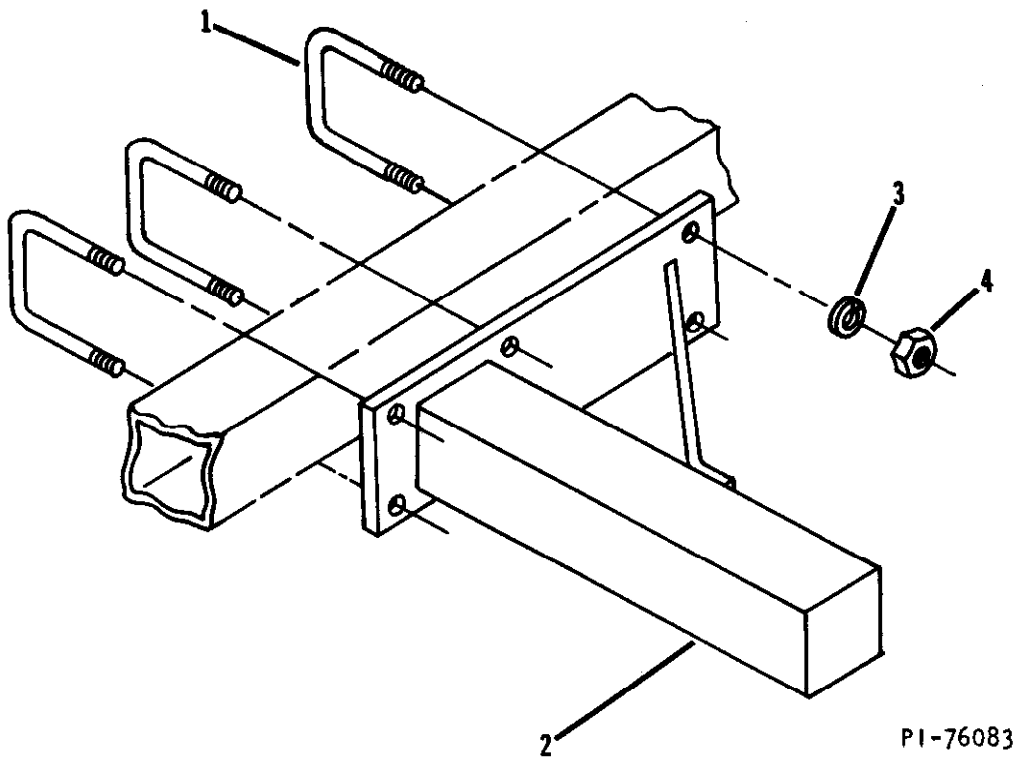


78541

1 FT. U-BOLT STUB

Item	Part #	Description	Qty.
1	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4

Item	Part #	Description	Qty.
2	13963	1FT U-Bolt Stub	2
3	88129	Lock Washer, 5/8	8
4	88126	Nut, 5/8 NC	8

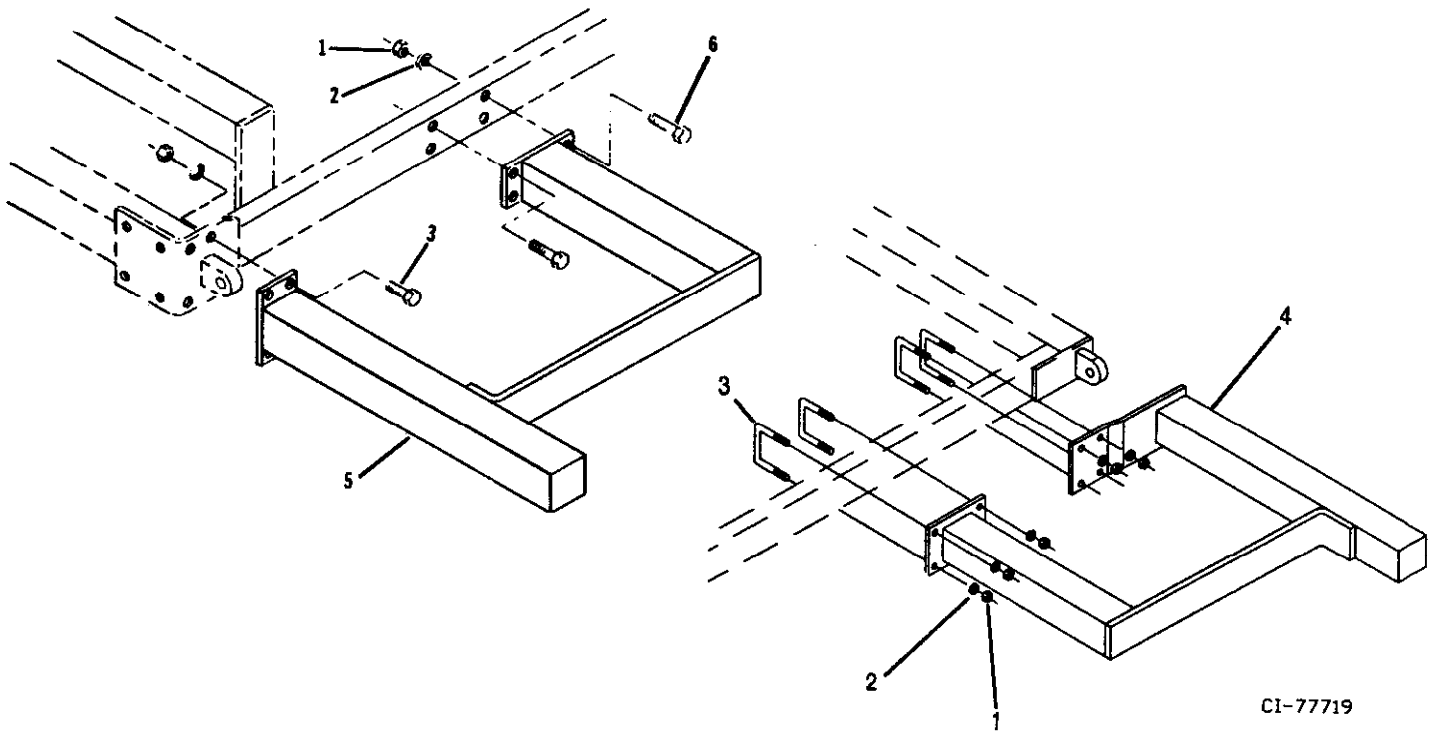


78542

2 FT. U-BOLT STUB

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	6
	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	6
2	15076	2FT U-Bolt Stub	2

Item	Part #	Description	Qty.
3	88129	Lock Washer, 5/8	12
4	88126	Nut, 5/8 NC	12



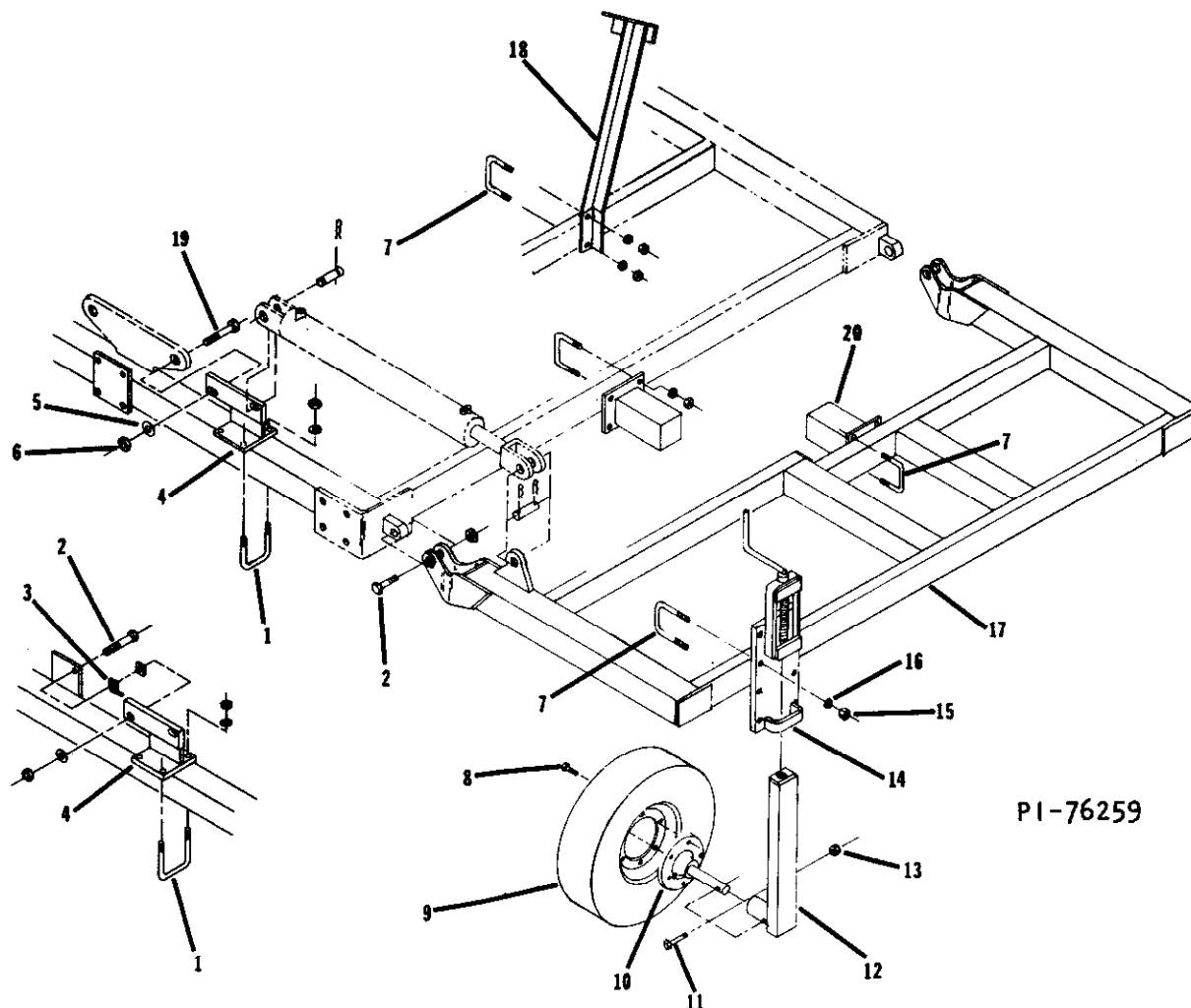
CI-77719

78543

3 FT. RIGID STUB

Item	Part No.	Description	Qty.
1	88126	Nut, 5/8 NC	16
2	88129	Lock Washer, 5/8	16
3	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	8

Item	Part No.	Description	Qty.
4	40603	3FT Stub	2
5	14459	3FT Stub	2
6	88292	Bolt, 5/8 NC x 3-1/2 GR 5	8



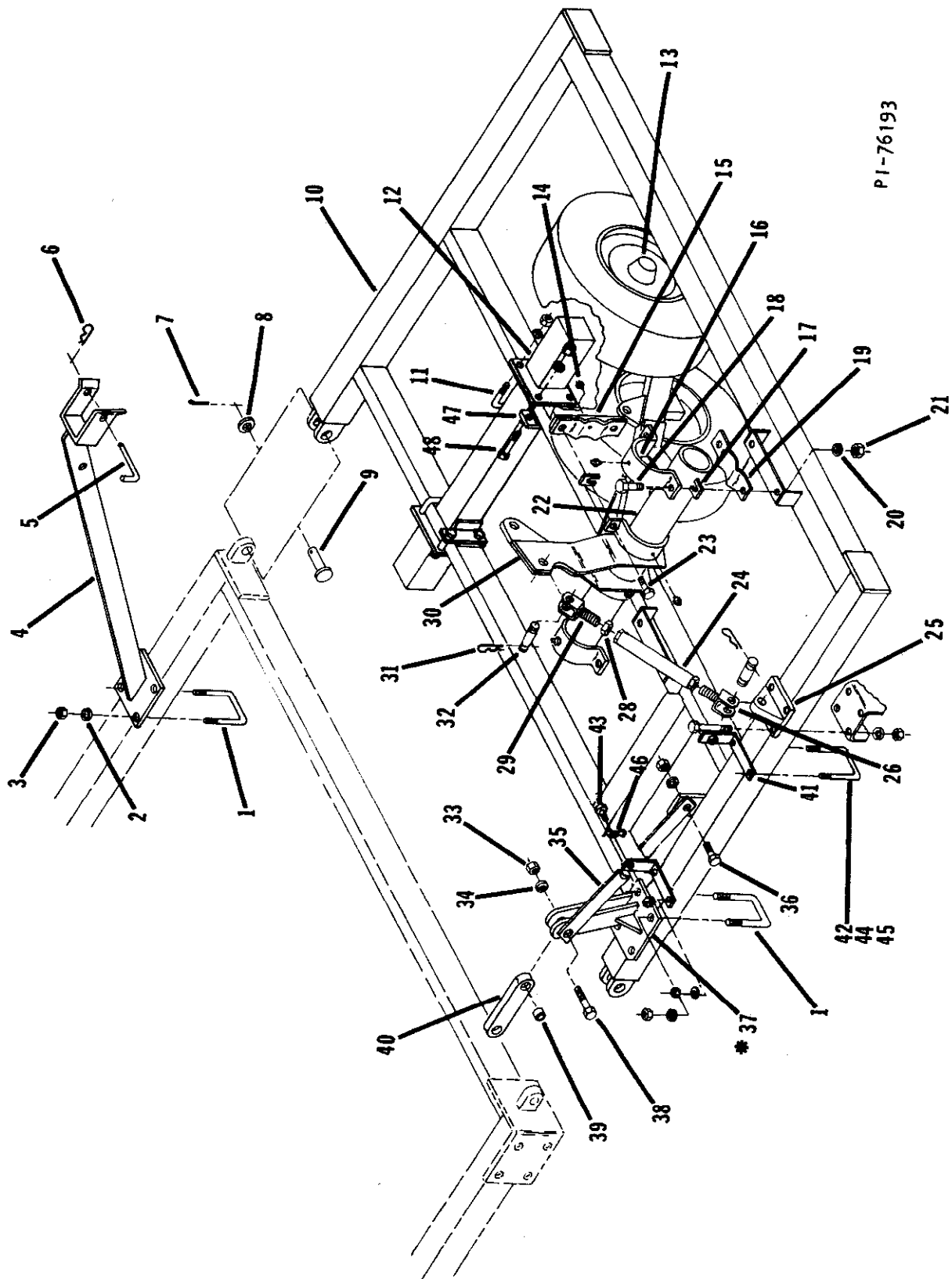
PI-76259

4 FT CP WING

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	8
2	88447	Bolt, 1 NC x 3-1/2 GR 5	6
		(4430 Main Frame)	4
		(4410 Main Frame)	4
3	20533	Shim (4430 Only)	4
4	22977	Left Floating Anchor	1
	22978	Right Floating Anchor	1
5	88196	Flat Washer, 1"	2
6	88348	Lock Nut, 1 NC	6
7	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	12
8	88142	Wheel Bolt, 1/2 NF x 1	12
9	10236	Wheel Rim, 15 x 6	2
10287	11950	Tire, 9:5L x 15	2
	11956	Tube, 7:60/9:5L x 15	2

Item	Part #	Description	Qty.
10	41233	1-3/4" Hub & Spindle	2
11	88313	Bolt, 1/2 NF x 3 GR 5	2
12	15037	Gauge Wheel Axle Leg	2
13	88304	Lock Nut, 1/2 NF	2
14	15040	Gauge Wheel Bracket	2
15	88126	Nut, 5/8 NC	30
16	88129	Lock Washer, 5/8	30
17	22416	Left 4' Wing	1
	22417	Right 4' Wing	1
18	22976	Wing Lock	2
19	88399	Bolt, 1 NC x 3 GR 5	2
		(4410 Only)	
20	13963	1' U-Bolt Stub	4

6 FT. CP WING



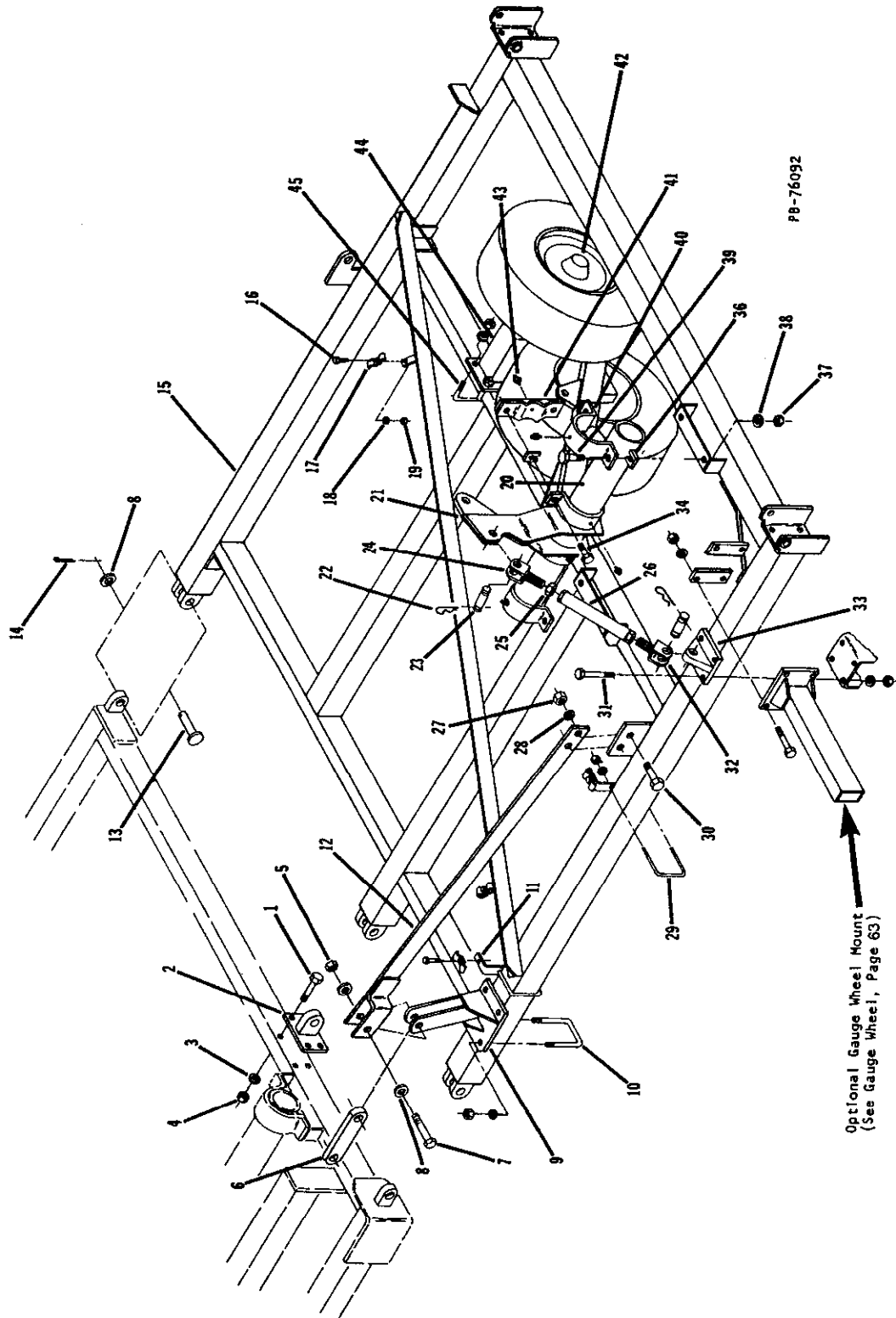
PI-76193

6 FT. CP WING

Item	Part #	Description	Qty.	Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	8	22	21451	Tandem Wing Axle (L)	1
2	88129	Lock Washer, 5/8	40		21452	Tandem Wing Axle (R)	1
3	88126	Nut, 5/8 NC	40		21364	HC TA Wing Axle (L)	1
4	41551	Wing Lock W/Decal	2		21365	HC TA Wing Axle (R)	1
5	11984	Wing Lock Pin	2			(See Walking Tandem Assy, Page 60)	
6	88137	Spring Lock Pin	2	23	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
7	88101	Cotter Pin, 1/4 x 2-1/2	4	24	21393	Adjustment Tube	2
8	88196	Flat Washer, 1"	4	25	21227	Wing Mast Anchor	2
9	12217	Hinge Pin	4	26	21387	LH Adjustment Rod	2
10	22920	6FT Wing Left	1	27	88295	Bolt, 5/8 NC x 6 GR 5	8
	22921	6FT Wing Right	1	28	88125	Nut, 1 NC	2
11	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	6	29	21385	RH Adjustment Rod	2
12	13963	1FT U-Bolt Stub	4	30	21370	9.3 Stroke Axle Mast	2
13	10236	Wheel Rim, 15 x 6	4	31	88352	Spring Lock Pin	8
16287	11950	Tire, 9:5L x 15	4	32	11930	Cylinder Pin	4
	11956	Tube, 7:60/9:5L x 15	4	33	88110	Nut, 3/4 NC	12
14	88263	Grease Fitting, 1/8 NPT	12	34	88130	Lock Washer, 3/4	12
15	21375	Wing Axle Saddle	4	35	13491	Wing Brace Arm	2
16	10399	Axle Cap	4	36	88290	Bolt, 3/4 NC x 2 GR 8	2
17	10176	Spacer	32	37	11811	Wing Lift Arm (L)*	1
18	89071	Bolt, 7/8 NC x 2-1/2 GR 8	8		11812	Wing Lift Arm (R)*	1
19	19457	Axle Saddle	4	38	88272	Bolt, 3/4 NC x 4 GR 5	2
20	88341	Lock Washer, 7/8	8	39	12375	Wing Link Bushing	2
21	88371	Nut, 7/8 NC	8	40	40632	Wing Lift Link	2
				41	13270	Pole Tube Bracket	4
				42	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	4
				43	88553	Bolt, 3/8 NC x 1-1/2	4
				44	88362	Lock Washer, 3/8	12
				45	88103	Nut, 3/8 NC	12
				46	13215	Tube Clamp	4
				47	17178	Plate	4
				48	88298	Bolt, 5/8 NC x 4 GR 5	8

(*) Order the left wing lift arm for right wings
and the right wing lift arm for left wings.

9 FT. 4400 CP WING



P8-76092

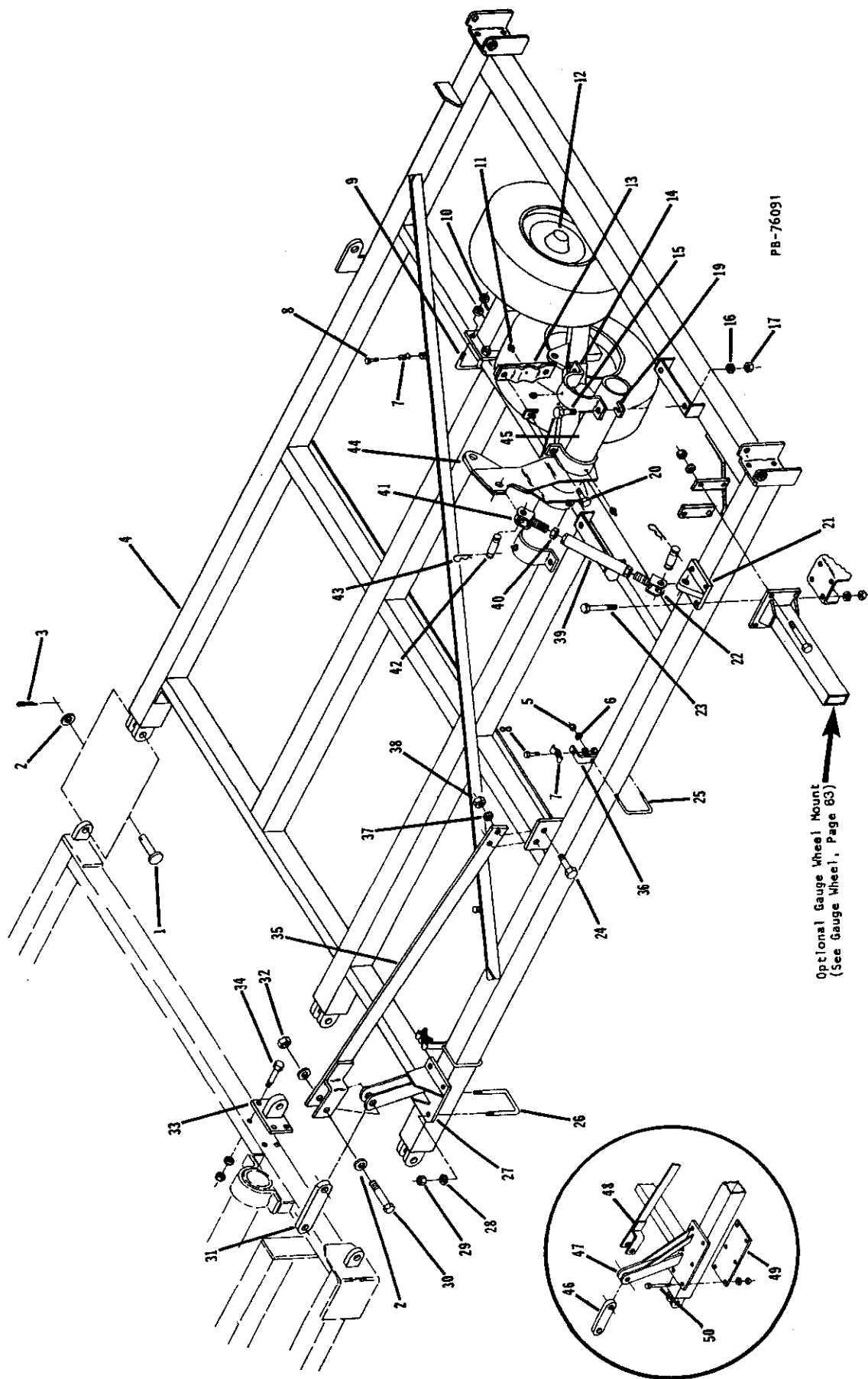
Optional Gauge Wheel Mount
(See Gauge Wheel, Page 63)

9 FT. 4400 CP WING

Item	Part #	Description	Qty.
1	88292	Bolt, 5/8 NC x 3-1/2 GR 5	8
2	10187	Wing Hinge Plate	2
3	88129	Lock Washer, 5/8	32
4	88126	Nut, 5/8 NC	32
5	88348	Nut 2POSLK 1-8NC	2
6	14374	HD Wing Lift Link	2
7	61437	1"NCx4-1/2 GR8 Special Bolt	2
8	88196	Flat Washer, 1"	10
9	14376	Wing Lift Bracket (L)	1
	14377	Wing Lift Bracket (R)	1
10	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4
11	13270	Pole Tube Bracket	4
12	12612	Wing Brace Arm	2
13	12217	Hinge Pin	6
14	88101	Cotter Pin, 1/4 x 2-1/2	6
15	21846	9' 4400 CP Wing (R)	1
	21847	9' 4400 CP Wing (L)	1
16	88553	Bolt, 3/8 NC x 1-1/2	8
17	13215	Tube Clamp	8
18	88362	Lock Washer, 3/8	16
19	88103	Nut, 3/8 NC	16
20	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC TA Wing Axle (L)	1
	21365	HC TA Wing Axle (R) (See Walking Tandem Assy, Page 60)	1
21	21370	9.3 Stroke Axle Mast	2

Item	Part #	Description	Qty.
22	88352	Spring Lock Pin	8
23	11930	Cylinder Pin	4
24	21385	Adjustment Rod	2
25	88125	Nut, 1 NC	2
26	21393	Adjustment Tube	2
27	88110	Nut, 3/4 NC	12
28	88130	Lock Washer, 3/4	12
29	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	4
30	88290	Bolt, 3/4 NC x 2 GR 8	4
31	88295	Bolt, 5/8 NC x 6 GR 5	8
32	21387	LH Adjustment Rod	2
33	21227	Wing Mast Anchor	2
34	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
36	10176	Spacer	32
37	88371	Nut, 7/8 NC	8
38	88341	Lock Washer, 7/8	8
39	89071	Bolt, 7/8 NC x 2-1/2 GR 8	8
40	10399	Axle Cap	4
41	21375	Wing Axle Saddle	4
42	10236	Wheel Rim, 15 x 6	4
	16287	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
43	88263	Grease Fitting, 1/8 NPT	12
44	13963	1FT U-Bolt Stub	2
45	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4

12 FT. 4400 CP WING

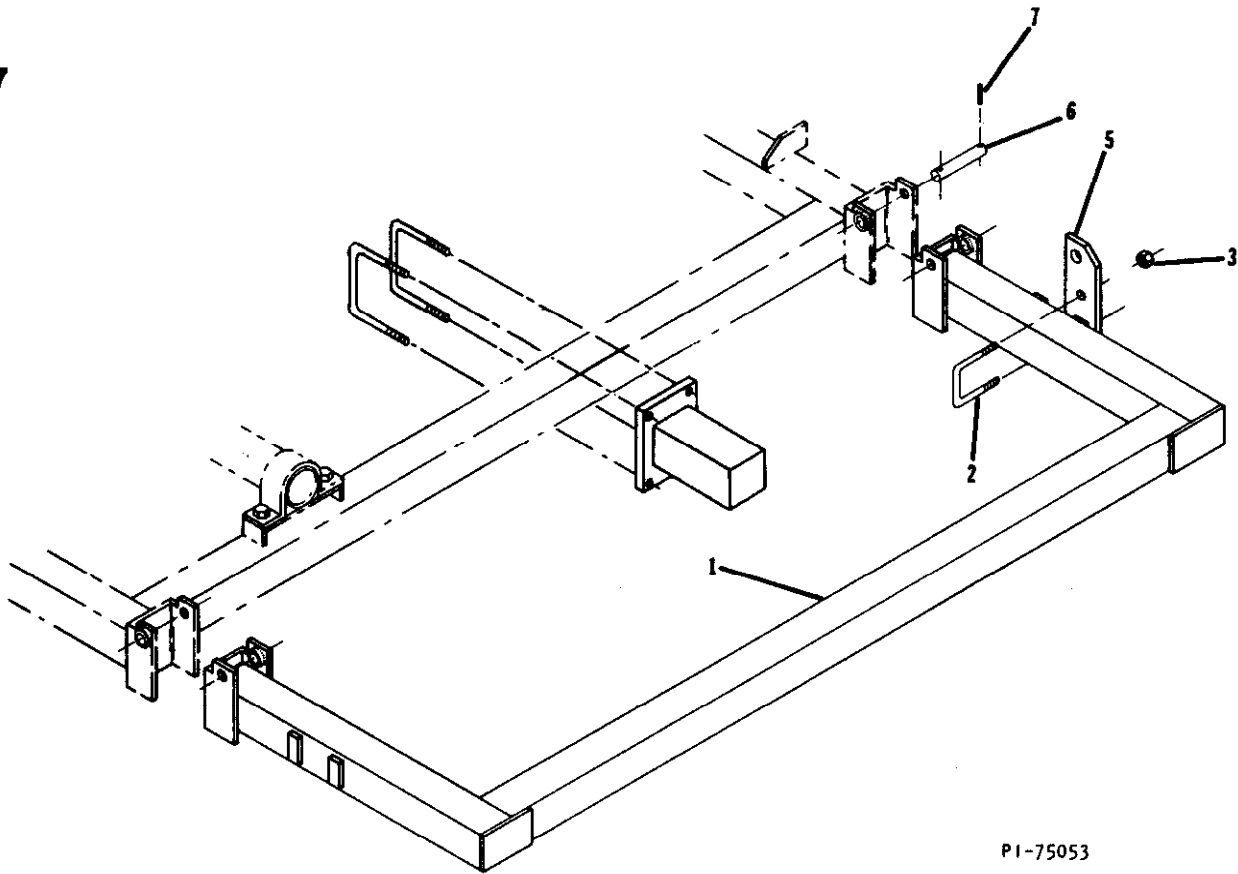


PB-76091

12 FT. 4400 CP WING

Item	Part #	Description	Qty.
1	12217	Hinge Pin	6
2	88196	Flat Washer, 1"	10
3	88101	Cotter Pin, 1/4 x 2-1/2	6
4	21844	12' 4400 CP Wing (R)	1
	21845	12' 4400 CP Wing (L)	1
5	88103	Nut, 3/8 NC	16
6	88362	Lock Washer, 3/8	16
7	13215	Tube Clamp	8
8	88553	Bolt, 3/8 NC x 1-1/2	8
9	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
10	13963	1FT U-Bolt Stub	2
11	88263	Grease Fitting, 1/8 NPT	12
12	10236	Wheel Rim, 15 x 6	4
	16287	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
13	21375	Wing Axle Saddle	4
14	10399	Axle Cap	4
15	89071	Bolt, 7/8 NC x 2-1/2 GR8	8
16	88341	Lock Washer, 7/8	8
17	88371	Nut, 7/8 NC	8
19	10176	Spacer	32
20	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
21	21227	Wing Mast Anchor	2
22	21387	LH Adjustment Rod	2
23	88295	Bolt, 5/8 NC x 6 GR 5	8
24	88290	Bolt, 3/4 NC x 2 GR 8	4
25	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	4
26	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4

Item	Part #	Description	Qty.
27	14376	Wing Lift Bracket (L)	1
	14377	Wing Lift Bracket (R)	1
28	88129	Lock Washer, 5/8	32
29	88126	Nut, 5/8 NC	32
30	61437	1"NCx4-1/2 GR8 Special Bolt	2
31	14374	HD Wing Lift Link	2
32	88348	Nut 2POSLK 1-8NC	2
33	10187	Wing Hinge Plate	2
34	88292	Bolt, 5/8 NC x 3-1/2 GR 5	8
35	12612	Wing Brace Arm	2
36	13270	Pole Tube Bracket	4
37	88130	Lock Washer, 3/4	12
38	88110	Nut, 3/4 NC	12
39	21393	Adjustment Tube	2
40	88125	Nut, 1 NC	2
41	21385	Adjustment Rod	2
42	11930	Cylinder Pin	4
43	88352	Spring Lock Pin	8
44	21370	9.3 Stroke Axle Mast	2
45	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC TA Wing Axle (L)	1
	21365	HC TA Wing Axle (R)	1
		(See Walking Tandem Assembly Page 60)	
46	17999	Air Seeder Lift Link	2
47	18369	AS Wing Lift Bracket (L)	1
	18370	AS Wing Lift Bracket (R)	1
48	17918	AS Wing Brace Arm	2
49	18390	Plate	2
50	88295	Bolt, 5/8 NC x 6 GR 5	12

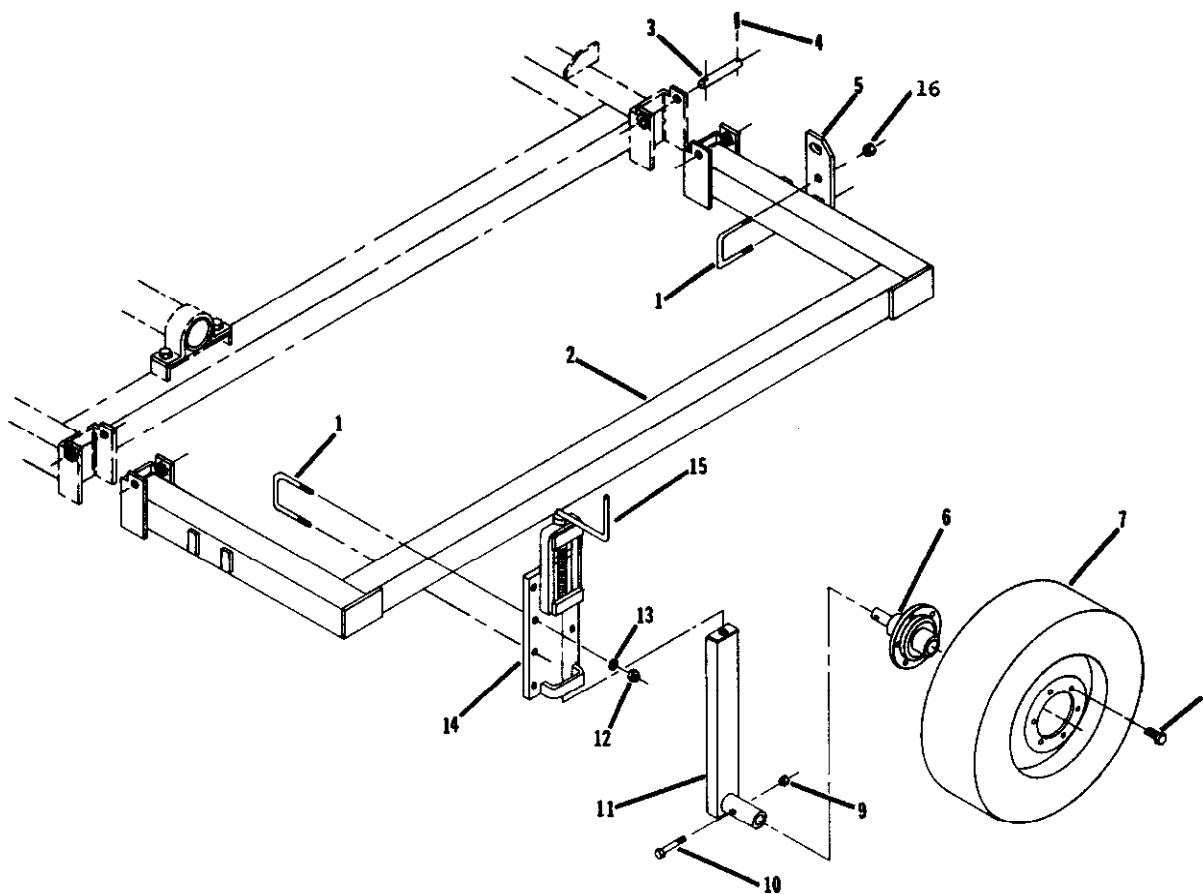


PI-75053

3 FT. WING

Item	Part No.	Description	Qty.
1	15107	3FT Wing (R & L)	2
2	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	2
3	88369	Lock Nut, 5/8NC	4

Item	Part No.	Description	Qty.
5	13401	Cylinder Anchor Plate	2
6	14408	Hinge Pin	4
7	88432	Roll Pin, 5/16 x 2	8

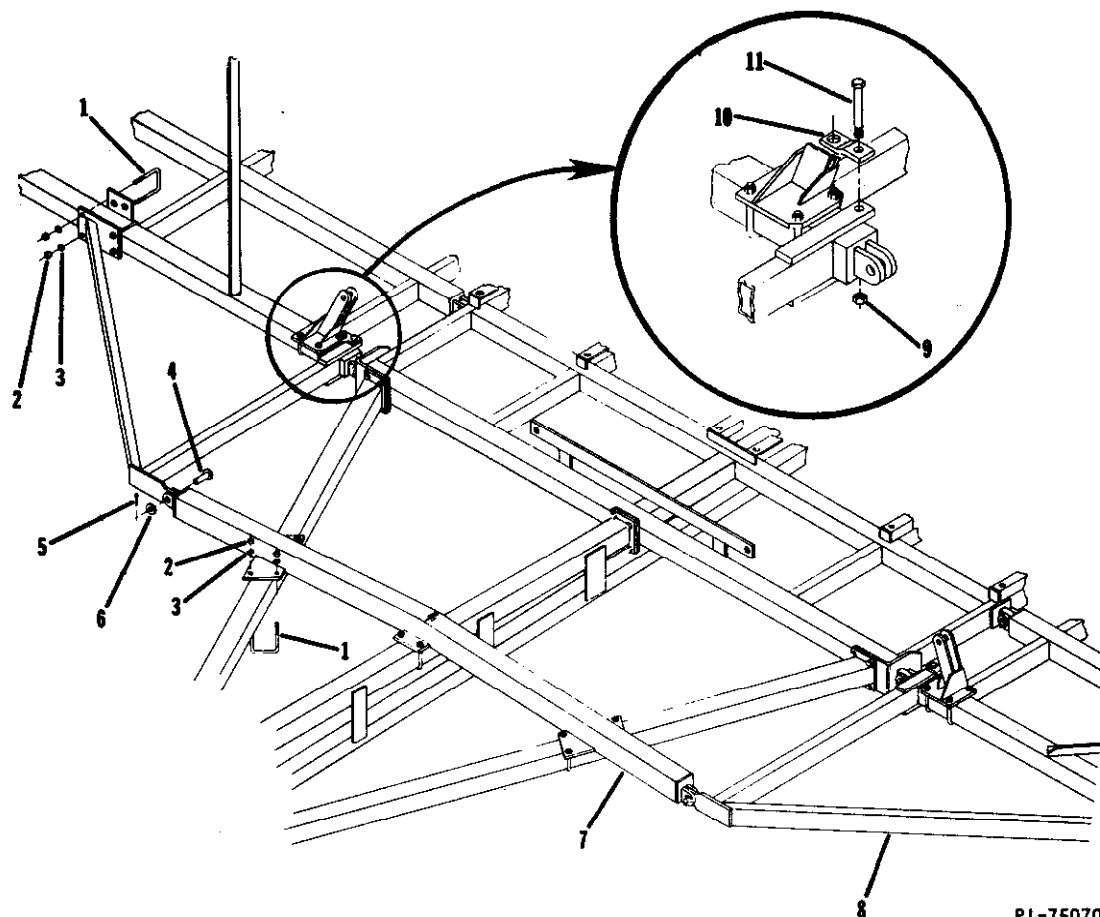


PI-76076

3' FLOATING AIR SEEDER WING

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	6
2	17992	3 Ft Floating Wing	2
3	14408	Hinge Pin	4
4	88432	Roll Pin, 5/16 x 2	8
5	17991	Slotted Cylinder Anchor	2
6	41233	1-3/4" Hub & Spindle	2
7	10236	Wheel Rim, 15 x 6	2
10287	11950	Tire, 9:5L x 15	2
	11956	Tube, 7:60/9:5L x 15	2

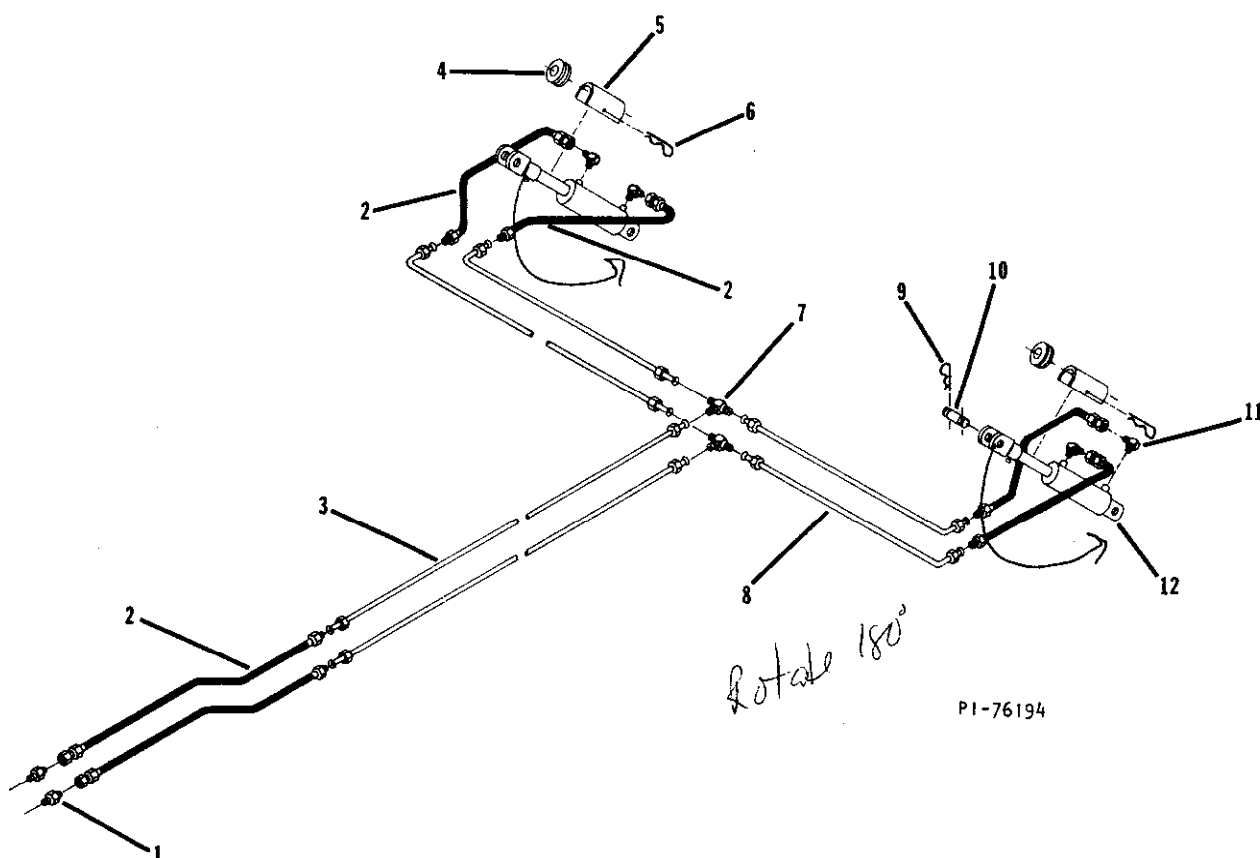
Item	Part #	Description	Qty.
8	88142	Wheel Bolt, 1/2 NF x 1	12
9	88304	Nut, 1/2 NF	2
10	88313	Bolt, 1/2 NF x 3 GR 5	2
11	15037	Axle Leg	2
12	88126	Nut, 5/8 NC	12
13	88129	Lock Washer, 5/8	12
14	15040	Gauge Wheel Bracket	2
15	14452	Crank Assembly	2
16	88369	Lock Nut, 5/8NC	4



AUXILIARY HINGE

Item	Part #	Description	Qty.
	13954	12FT Auxiliary Hinge Kit	
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	10
2	88126	Nut, 5/8 NC	20
3	88129	Lock Washer, 5/8	20
4	12217	Hinge Pin	2
5	88101	Cotter Pin, 1/4 x 2-1/2	2

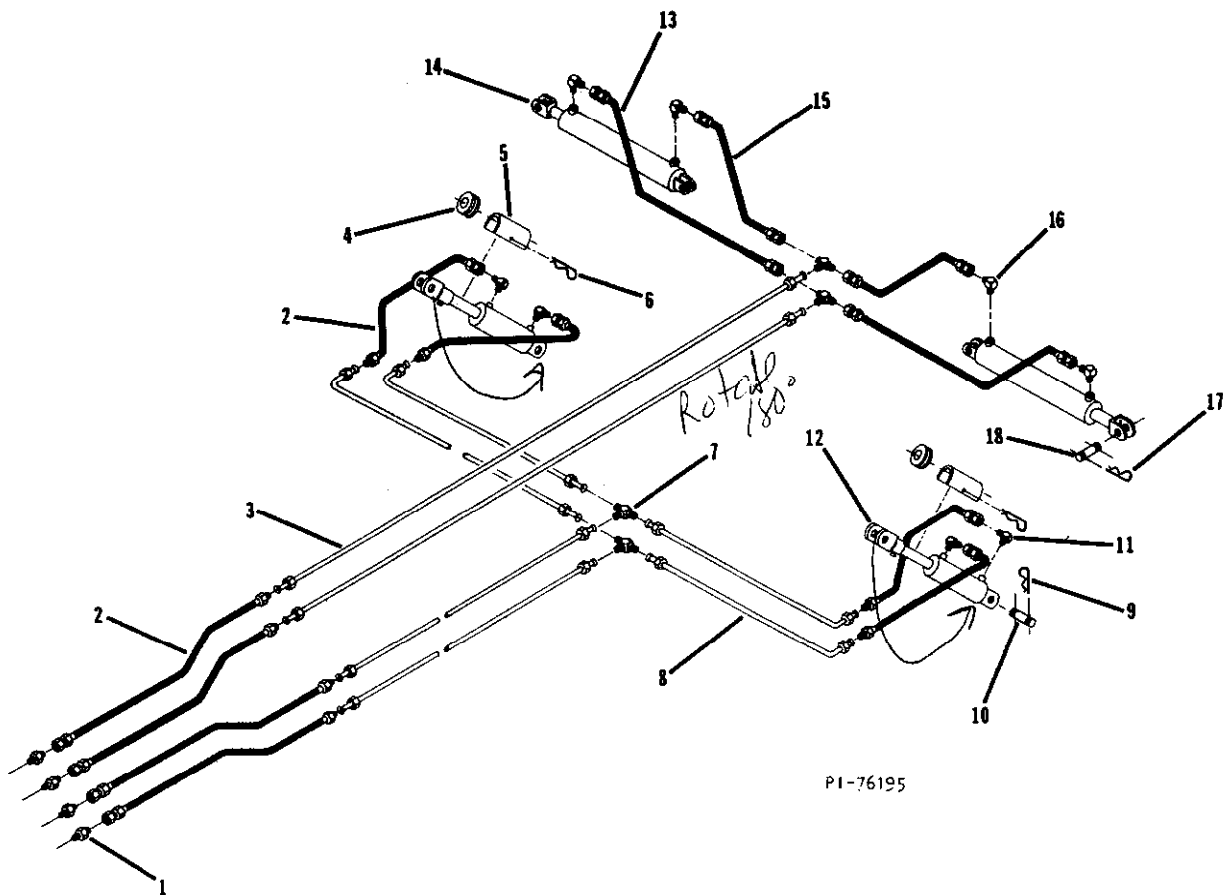
Item	Part #	Description	Qty.
6	88196	Flat Washer, 1"	2
7	13795	Pole Hinge	1
8	13796	Auxiliary Hinge	2
9	88306	Lock Nut, 3/4 NF	2
10	13798	Lock Plate	2
11	88192	Bolt, 3/4 NF x 7 GR 5	2



4410 10-16 HYDRAULICS 4430 13-19 HYDRAULICS

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	2
2	13267	Hose, 3/8 x 72	6
3	15811	Tube, 1/2 x 65 (XSP)	2
	13253	Tube, 1/2 x 120 (SP)	2
4	15113	Stop Collar	2
5	19145	1-1/2" Channel Lock	2
6	42721	Spring Lock Pin, 1/4 x 5	2

Item	Part #	Description	Qty.
7	13238	Tube Tee	2
8	20464	Tube, 1/2 x 48+2 (4410)	4
	21022	Tube, 1/2 x 70+2 (4430)	4
9	88318	Spring Lock Pin	8
10	18068	Cylinder Pin	4
11	13236	1/2 NPT Port Elbow	4
12	42581	4 x 10.8 Top Bypass	2

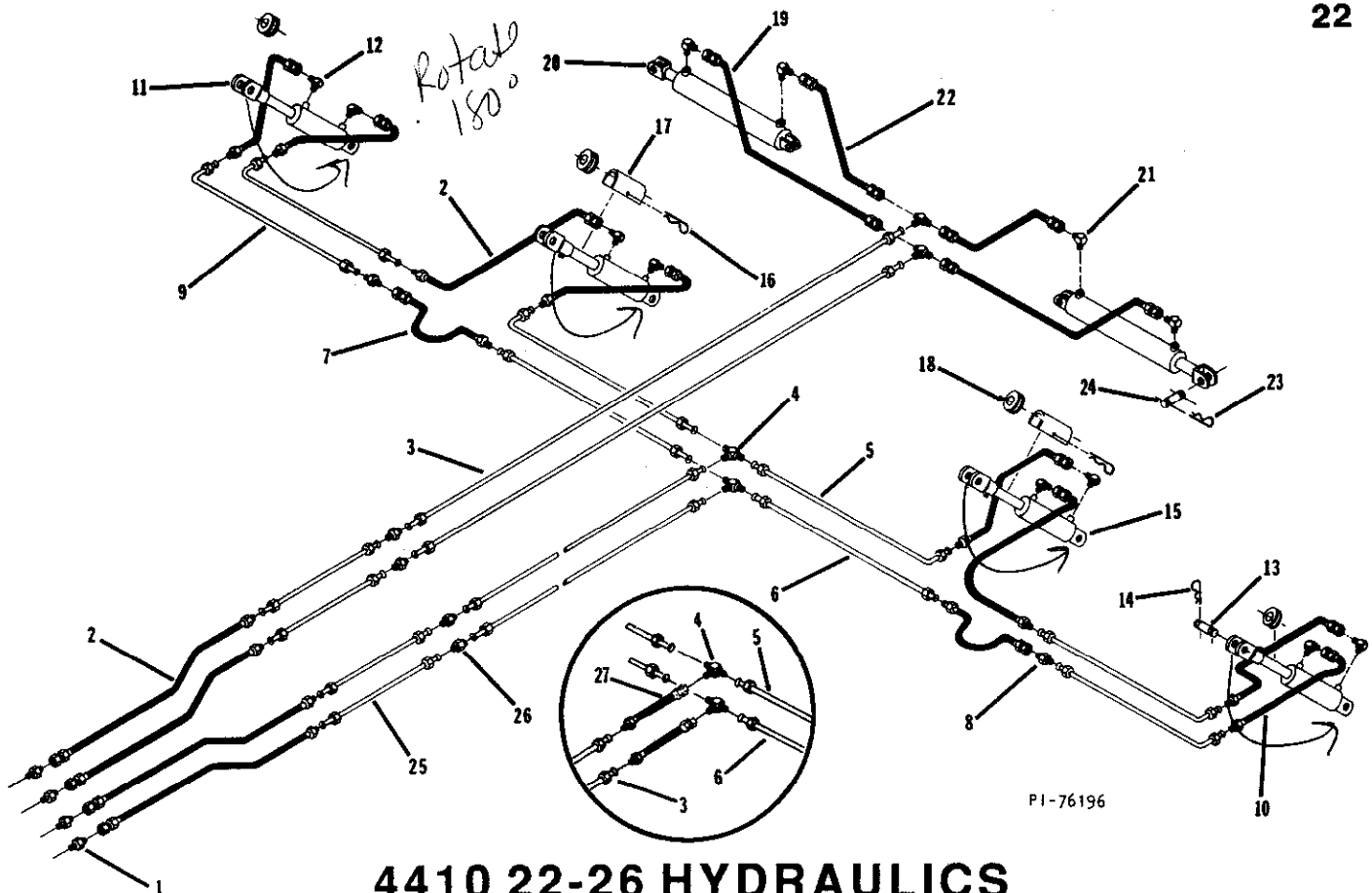


PI-76195

4410 18-20 HYDRAULICS 4430 21-23 HYDRAULICS

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	4
2	13267	Hose, 3/8 x 72	8
3	15811	Tube, 1/2 x 65 (XSP)	4
	13253	Tube, 1/2 x 120 (SP)	4
4	15113	Stop Collar	2
5	19145	1-1/2" Channel Lock	2
6	42721	Spring Lock Pin 1/4x5	2
7	13238	Tube Tee	4
8	20464	Tube, 1/2 x 48+2 (4430)	4
	21021	Tube, 1/2 x 36+2 (4410)	4

Item	Part #	Description	Qty.
9	88318	Spring Lock Pin	8
10	18068	Cylinder Pin	4
11	13236	1/2 NPT Port Elbow	4
12	42581	4 x 10.8 Top Bypass	2
13	13265	Hose, 3/8 x 56 (4410)	2
	15515	Hose, 3/8 x 62 (4430)	2
14	51235	3-1/2 x 24 Standard	2
15	13261	Hose, 3/8 x 30 (4410)	2
	14851	Hose, 3/8 x 42 (4430)	2
16	13235	3/8 NPT Port Elbow	4
17	88352	Spring Lock Pin	8
18	11930	Cylinder Pin	4

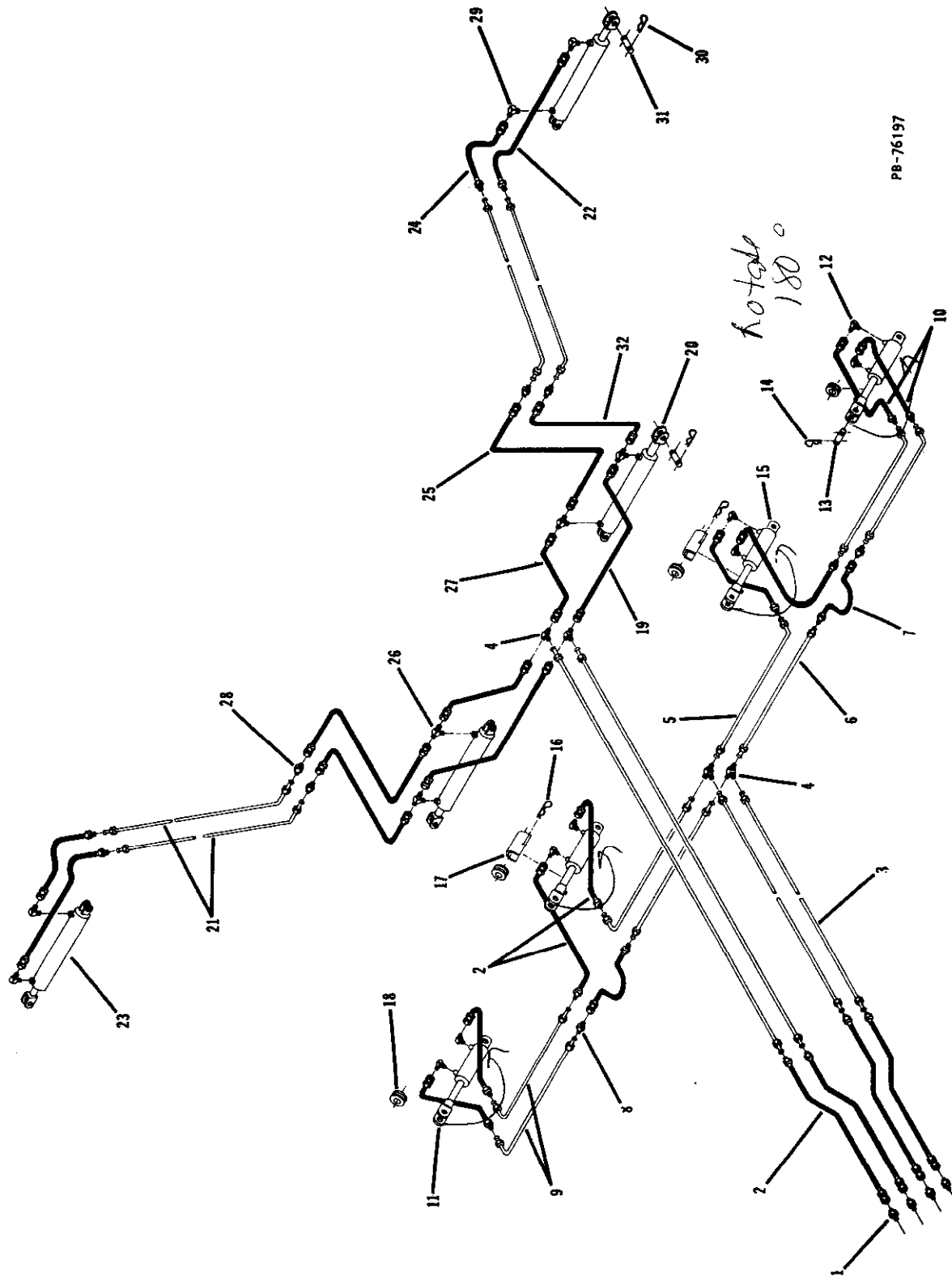


4410 22-26 HYDRAULICS
4430 25-29 HYDRAULICS
24 FT. AIR SEEDER HYDRAULICS

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	4
2	13267	Hose, 3/8 x 72	8
3	13253	Tube, 1/2 x 120	4
4	13238	Tube Tee	4
5	20464	Tube, 1/2 x 48+2 (4410)	2
	21022	Tube, 1/2 x 70+2 (4430)	2
6	20465	Tube, 1/2 x 48 (4410)	2
	21037	Tube, 1/2 x 72 (4430)	2
7	13263	Hose, 3/8 x 36	2
8	13239	Hose Union	2
9	21021	Tube, 1/2 x 36+2	4
10	13264	Hose, 3/8 x 48	4
11	42580	4 x 9.3 Top Bypass	2
12	13236	1/2 NPT Port Elbow	8
13	18068	Cylinder Pin	8

Item	Part #	Description	Qty.
14	88318	Spring Lock Pin	16
15	42581	4 x 10.8 Top Bypass	2
16	42721	Spring Lock Pin 1/4x5	2
17	19145	1-1/2" Lock Channel	2
18	15113	Stop Collar	4
19	14851	Hose, 3/8 x 42 (4410)	2
	13265	Hose, 3/8 x 56 (4430)	2
20	51235	3-1/2 x 24 Standard	2
21	13235	3/8 NPT Port Elbow	4
22	13261	Hose, 3/8 x 30	2
23	88352	Spring Lock Pin	8
24	11930	Cylinder Pin	4
25	13287	Tube, 1/2 x 38 (LP Only)	4
26	13239	Hose Union (LP Only)	4
27	13259	Hose, 3/8 x 18 (AS Only)	2

4410 28-34 HYDRAULICS



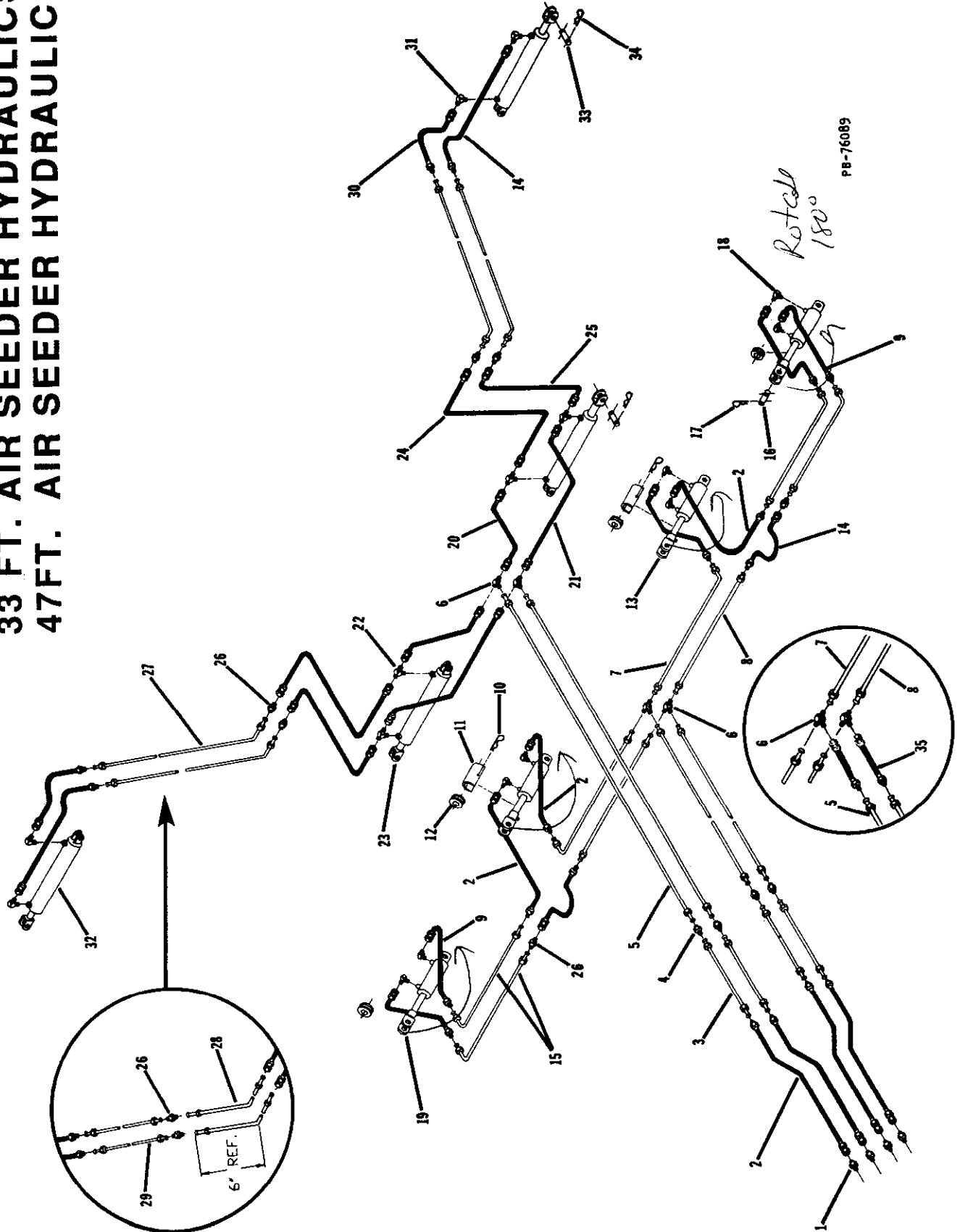
PB-76197

4410 28-34 HYDRAULICS

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	4
2	13267	Hose, 3/8 x 72	8
3	13253	Tube, 1/2 x 120	4
4	13238	Tube Tee	4
5	20464	Tube, 1/2 x 48+2	2
6	20465	Tube, 1/2 x 48	2
7	13263	Hose, 3/8 x 36	2
8	13239	Hose Union	2
9	13258	Tube, 1/2 x 60+2	4
10	13264	Hose, 3/8 x 48	4
11	42580	4 x 9.3 Top Bypass	2
12	13236	1/2 NPT Port Elbow	8
13	18068	Cylinder Pin	8
14	88318	Spring Lock Pin	16
15	42581	4 x 10.8 Top Bypass	2
16	42721	Spring Lock Pin, 1/4x5	2
17	19145	1-1/2 Channel Lock	2

Item	Part #	Description	Qty.
18	15113	Stop Collar	4
19	14851	Hose, 3/8 x 42 (F-F)	2
20	51226	4 x 24 Standard	2
21	13257	Tube, 1/2 x 75+2	4
22	13263	Hose, 3/8 x 36	2
23	51241	3 x 24 Standard	2
24	13260	Hose, 3/8 x 24	2
25	13268	Hose, 3/8 x 78 (F-F)	2
26	13235	3/8 NPT Elbow (28-32)	4
	13237	3/8 NPT Tee (3/4" Only)	4
27	13261	Hose, 3/8 x 30 (F-F)	2
28	13239	Hose Union	4
29	13235	3/8 NPT Port Elbow	4
30	88352	Spring Lock Pin	16
31	11930	Cylinder Pin	8
32	13265	Hose, 3/8 x 56 (F-F)	2

4430 31-37 HYDRAULICS
 4430 37-45 HYDRAULICS
 33 FT. AIR SEEDER HYDRAULICS
 47FT. AIR SEEDER HYDRAULICS

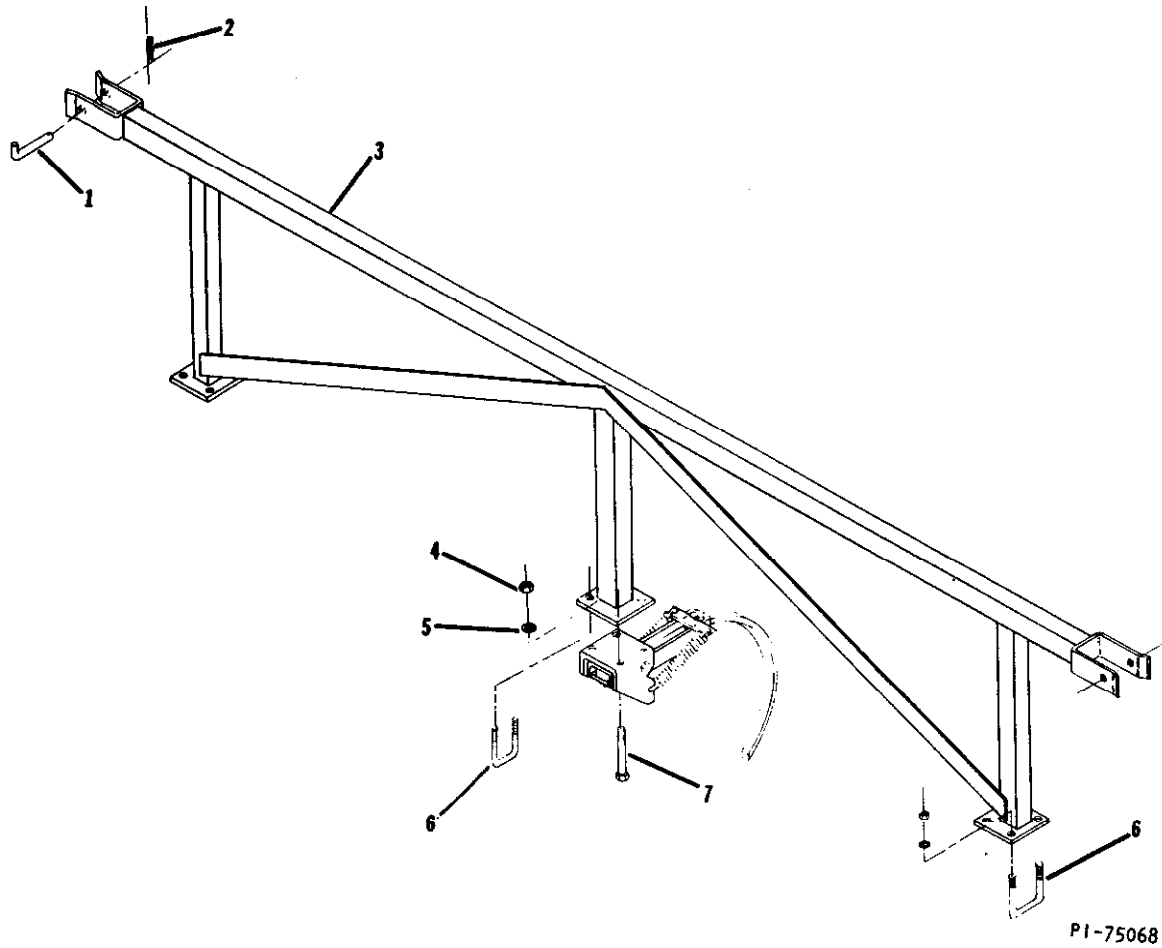


4430 31-37 HYDRAULICS
4430 37-45 HYDRAULICS
33 FT. AIR SEEDER HYDRAULICS
47 FT. AIR SEEDER HYDRAULICS

26

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	4
2	13267	Hose, 3/8 x 72	8
3	13287	Tube, 1/2 x 38 (Long Pole Only)	4
4	13239	Hose Union (Long Pole Only)	4
5	13253	Tube, 1/2 x 120	4
6	13238	Tube Tee	4
7	21022	Tube, 1/2 x 70+2	2
8	21037	Tube, 1/2 x 72	2
9	13264	Hose, 3/8 x 48	4
10	42721	Spring Lock Pin, 1/4x5	2
11	19145	1-1/2" Channel Lock	2
12	15113	Stop Collar	4
13	42581	4 x 10.8 Top Bypass	2
14	13263	Hose, 3/8 x 36	4
15	13258	Tube, 1/2 x 60+2 (9' Wing)	4
	13286	Tube, 1/2 x 94+2 (12' Wing)	4
16	18068	Cylinder Pin	8
17	88318	Spring Lock Pin	16
18	13236	1/2 NPT Port Elbow	8
19	42580	4 x 9.3 Top Bypass	2
20	13261	Hose, 3/8 x 30 (F-F)	2
21	13265	Hose, 3/8 x 56 (F-F)	2
22	13235	3/8 NPT Port Elbow (13' 31-35, 37-41)	4
	13237	3/8 NPT Port Tee (13' 37, 43-45)	4

Item	Part #	Description	Qty.
23	51226	4 x 24 Standard (9' Wing)	2
	12062	5 x 24 Standard (12' Wing & Air Seeder)	2
24	13268	Hose, 3/8 x 78 (F-F) (9' Wing)	2
	13267	Hose, 3/8 x 72 (12' Wing)	2
25	13265	Hose, 3/8 x 56 (F-F) (9' Wing)	2
	13264	Hose, 3/8 x 48 (12' Wing)	2
26	13239	Hose Union	6
27	13257	Tube, 1/2 x 75+2 (9' Wing Only)	4
28	21946	Tube, 1/2 x 24+6 (12' Wing Only)	4
29	15699	Tube, 1/2 x 86 (12' Wing Only)	4
30	13260	Hose, 3/8 x 24	2
31	13235	3/8 NPT Port Elbow	4
32	51241	3 x 24 Standard	2
33	11930	Cylinder Pin	8
34	88352	Spring Lock Pin	16
35	13259	Hose, 3/8 x 18 (AS Only)	2

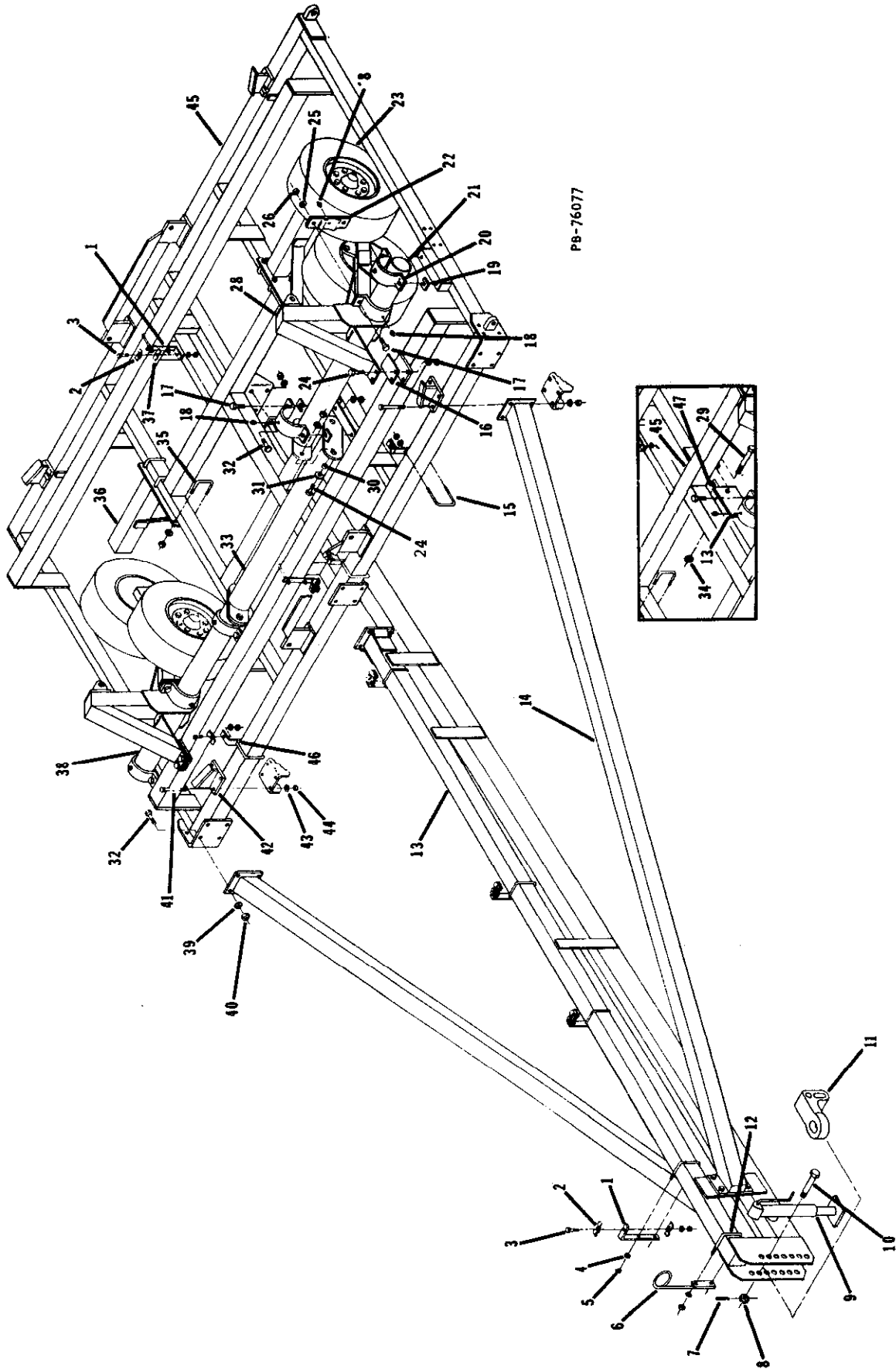


WING LOCKS

Item	Part #	Description	Qty.
1	11984	Wing Lock Pin	2
2	88137	Spring Lock Pin	2
3	17917	Wing Lock (4410)	1
	12609	Wing Lock (4430)	1
4	88126	Nut, 5/8 NC	12

Item	Part #	Description	Qty.
5	88129	Lock Washer, 5/8	12
6	88145	U-Bolt, 5/8 NC x 4 x 5-1/4 (4410)	6
		(4430)	4
7	88295	Bolt, 5/8 NC x 6 GR 5 (4430 Only)	4

13 FT. 4450CP MAIN FRAME



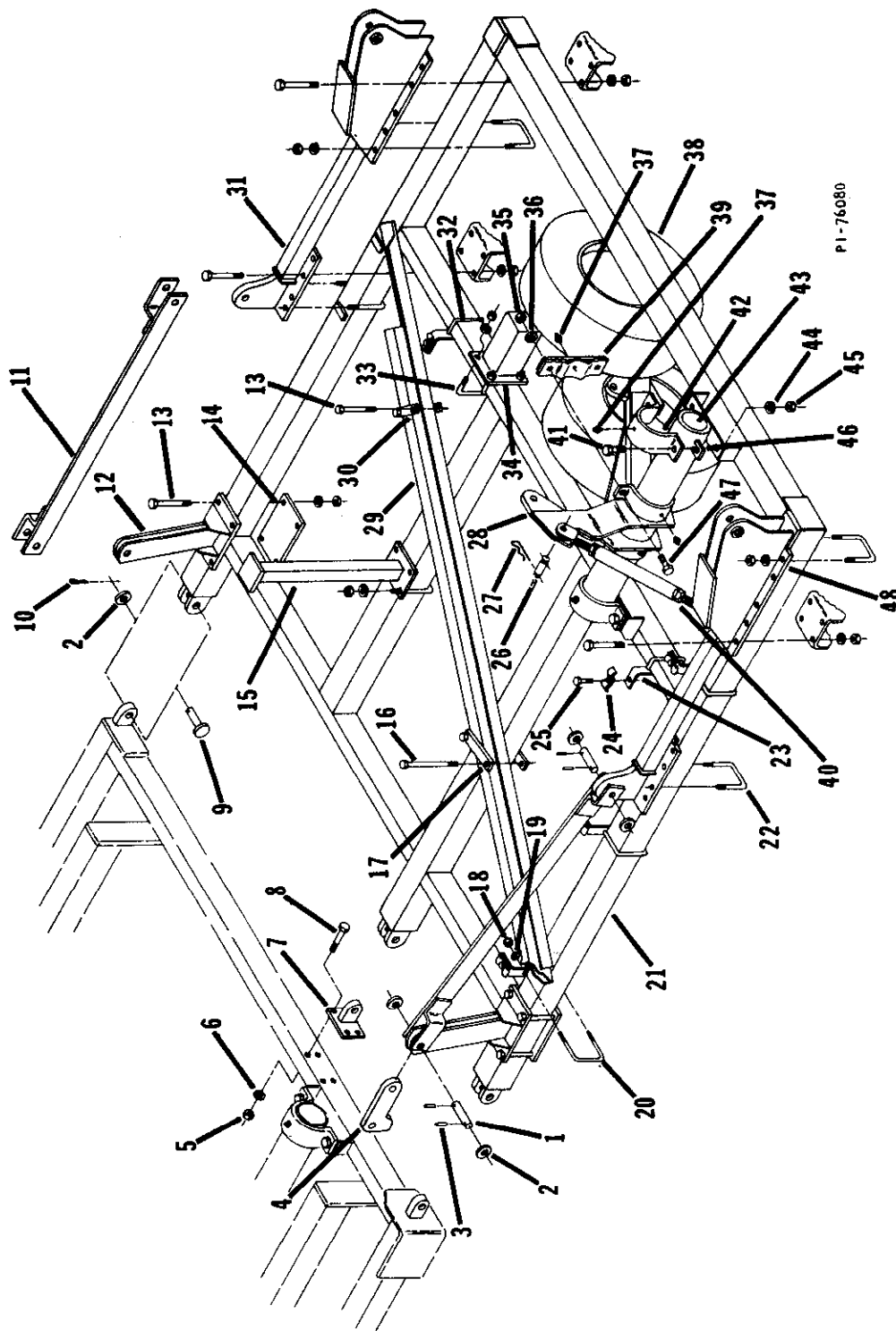
P8-76077

13 FT. 4450CP MAIN FRAME

Item	Part #	Description	Qty.
1	13499	Pole Tube Bracket (10 x 3-1/2)	5
2	13215	Tube Clamp	13
3	88553	Bolt, 3/8 NC x 1-1/2	9
4	88362	Lock Washer, 3/8	27
5	88103	Nut, 3/8 NC	27
6	12724	Hose Bracket	1
7	88133	Cotter Pin, 3/16 x 2	2
8	88350	Slotted Nut, 1-1/4 NC	2
9	12796	Pole Jack (Opt)	1
10	11638	Hitch Bolt	2
11	18236	Cast Dual Hitch	1
12	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	1
13	41425	13 CPW Long Pole Serial No.'s Above 146	1
13	13937	13 CPW Long Pole Serial No.'s Below 146	1
14	13368	Long Pole Brace	2
15	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	9
16	21175	Shim Plate	4
17	89071	Bolt, 7/8 NC x 2-1/2 GR8	16
18	88263	Grease Fitting, 1/8 NPT	12
19	10176	Spacer	16
20	10399	Axle Cap	4
21	21447	Left Main Axle	1
	21340	Left HC Main Axle	1
	21338	(See Walking Tandem Assembly, Page 62)	
22	21373	Main Axle Saddle	4
23	16378	Wheel Rim, 15x8, 8 Bolt	4
	19414	Tire, 11Lx15, 12 Ply	4
	11958	Tube, 9.5Lx15	4

Item	Part #	Description	Qty.
24	88404	Bolt, 3/4 NC x 2-1/2 GR 5	4
25	88341	Lock Washer, 7/8	16
26	88371	Nut, 7/8 NC	16
28	21346	TBP Axle Mast	2
30	20762	Center Axle Bushing	4
31	88131	Flat Washer, 3/4	4
32	88290	Bolt, 3/4 NC x 2 GR 8	28
33	21055	13FT Center Axle	1
34	88348	Lock Nut, 1 NC	2
35	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	6
36	15076	2FT U-Bolt Stub	2
37	15543	Base Plate	2
38	21448	Right Main Axle	1
	21341	Right HC Main Axle (See Walking Tandem Assembly, Page 62)	1
39	88130	Lock Washer, 3/4	32
40	88110	Nut, 3/4 NC	32
41	88295	Bolt, 5/8 NC x 6 GR 5	8
42	21179	Cylinder Rest	2
43	88129	Lock Washer, 5/8	22
44	88126	Nut, 5/8 NC	22
45	41428	13' 4450CP Main Frame Serial No.'s Above 146	1
45	21326	13' 4450CP Main Frame Serial No.'s Below 146	1
46	13270	Pole Tube Bracket (8-1/2 x 3-1/2)	4
47	29456	Clevis Tube	

9 FT. 180° INSIDE WING



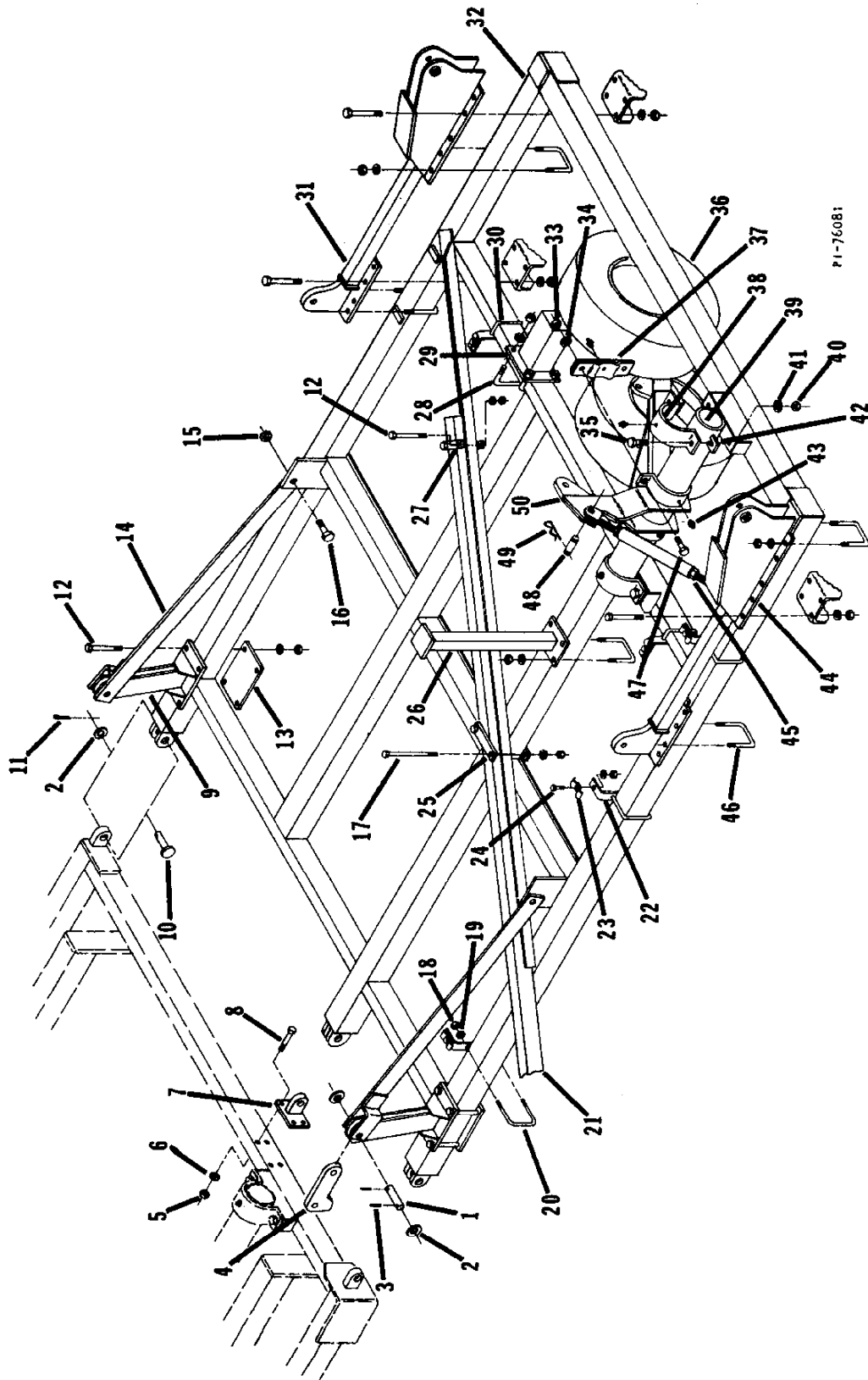
PI-76080

9 FT. 180° INSIDE WING

Item	Part #	Description	Qty.
1	14404	Wing Link Pin	8
2	88196	Flat Washer, 1"	22
3	88432	Roll Pin, 5/16 x 2	16
4	21176	Main Lift Link	4
5	88126	Nut, 5/8 NC	120
6	88129	Lock Washer, 5/8	120
7	10187	Wing Hinge Plate	2
8	88292	Bolt, 5/8 NC x 3-1/2 GR 5	8
9	12217	Hinge Pin	6
10	88101	Cotter Pin, 1/4 x 2-1/2	6
11	21392	Brace Arm	4
12	21379	Lift Arm	4
13	88295	Bolt, 5/8 NC x 6 GR 5	44
14	21425	Lift Arm Mount Plate	4
15	21229	Wing Rest	2
16	88451	Bolt, 5/8 NC x 11	4
17	15667	Clamp Strap (1/2 x 3 x 6)	4
18	88103	Nut, 3/8 NC	30
19	88362	Lock Washer, 3/8	30
20	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	6
21	21329	9' 180° Inside Wing (L)	1
	21330	9' 180° Inside Wing (R)	1
22	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	28
23	13499	Big Tube Bracket	10
24	13215	Tube Clamp	10
25	88553	Bolt, 3/8 NC x 1-1/2	10
26	11930	Cylinder Pin	4
27	88352	Spring Lock Pin	8
28	21370	9.3 Stroke Axle Mast	2
29	21388	Wing Brace	2

Item	Part #	Description	Qty.
30	15685	Plate (1/2 x 3 x 4-3/8)	4
31	21354	Rear 180° Hinge Base	2
32	88515	U-Bolt, 3/8 NC x 4 x 2-3/4	4
33	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
34	13963	1FT U-Bolt Stub	2
35	88110	Nut, 3/4 NC	8
36	88130	Lock Washer, 3/4	8
37	88263	Grease Fitting, 1/8 NPT	12
38	10236	Wheel Rim, 15 x 6	4
10287	11950	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
39	21375	Wing Axle Saddle	4
40	88125	Nut, 1 NC	2
	21385	Adjustment Rod	2
	21387	LH Adjustment Rod	2
	21393	Adjustment Tube	2
41	89071	Bolt, 7/8 NC x 2-1/2 GR 8	8
42	10399	Axle Cap	4
43	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC Tandem Wing Axle (L)	1
	21365	HC Tandem Wing Axle (R)	1
		(See Walking Tandem Assembly, Page 60)	
44	88341	Lock Washer, 7/8	8
45	88371	Nut, 7/8 NC	8
46	10176	Spacer	16
47	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
48	21355	Right 180° Hinge Base	1
	21356	Left 180° Hinge Base	1

12 FT. 180° INSIDE WING

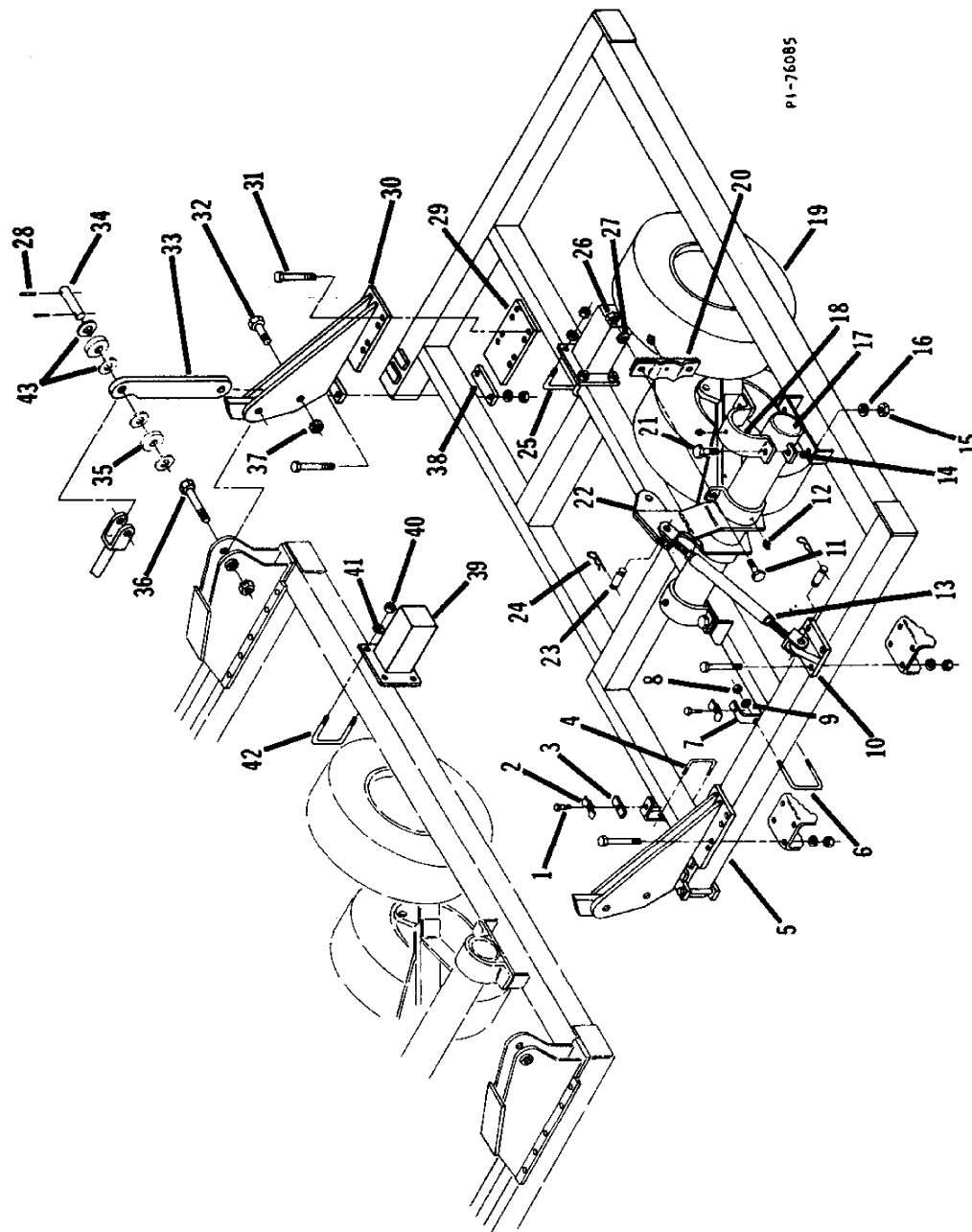


12 FT. 180° INSIDE WING

Item	Part #	Description	Qty.
1	14404	Wing Link Pin	4
2	88196	Flat Washer, 1"	14
3	88432	Roll Pin, 5/16 x 2	8
4	21176	Main Lift Link	4
5	88129	Lock Washer, 5/8	120
6	88126	Nut, 5/8 NC	120
7	10187	Wing Hinge Plate	2
8	88292	Bolt, 5/8 NC x 3-1/2 GR 5	8
9	21379	Lift Arm	4
10	12217	Hinge Pin	6
11	88101	Cotter Pin, 1/4 x 2-1/2	6
12	88295	Bolt, 5/8 NC x 6 GR 5	44
13	21425	Lift Arm Mount Plate	4
14	21383	Brace Arm	4
15	88348	Lock Nut, 1 NC	4
16	88400	Bolt, 1 NC x 2 GR 5	4
17	88451	Bolt, 5/8 NC x 11	4
18	88103	Nut, 3/8 NC	30
19	88362	Lock Washer, 3/8	30
20	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	6
21	21388	Wing Brace (See Aux Hinge, Page 39)	2
22	13499	Big Tube Bracket	10
23	13215	Tube Clamp	10
24	88553	Bolt, 3/8 NC x 1-1/2	10
25	15667	Clamp Strap (1/2 x 3 x 6)	4
26	21229	Wing Rest	2
27	15685	Plate (1/2 x 3 x 4-3/8)	4
28	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
29	13963	1FT U-Bolt Stub	2
30	88515	U-Bolt, 3/8 NC x 4 x 2-3/4	4

Item	Part #	Description	Qty.
31	21354	Rear 180° Hinge Base	2
32	21327	12FT 180° Inside Wing (R)	1
	21328	12FT 180° Inside Wing (L)	1
33	88110	Nut, 3/4 NC	8
34	88130	Lock Washer, 3/4	8
35	89071	Bolt, 7/8 NC x 2-1/2 GR 8 GR 5	8
36	10236	Wheel Rim, 15 x 6	4
16287	11950	Tire, 9:5Lx15	4
	11956	Tube, 7:60/9:5L x 15	4
	18288	Rim Hole Bushing	4
37	21375	Wing Axle Saddle	4
38	10399	Axle Cap	4
39	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC Tandem Wing Axle (L)	1
	21365	HC Tandem Wing Axle (R)	1
		(See Walking Tandem Assembly, Page 60)	
40	88371	Nut, 7/8 NC	8
41	88341	Lock Washer, 7/8	8
42	10176	Spacer	16
43	88263	Grease Fitting, 1/8 NPT	8
44	21355	Right 180° Hinge Base	1
	21356	Left 180° Hinge Base	1
45	88125	Nut, 1 NC	2
	21385	Adjustment Rod	2
	21387	LH Adjustment Rod	2
	21393	Adjustment Tube	2
46	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	28
47	88404	Bolt, 3/4 NC x 2-1/2 GR 5	4
48	11930	Cylinder Pin	4
49	88352	Spring Lock Pin	8
50	21370	9.3 Stroke Axle Mast	2

6 FT. 180° OUTSIDE WING

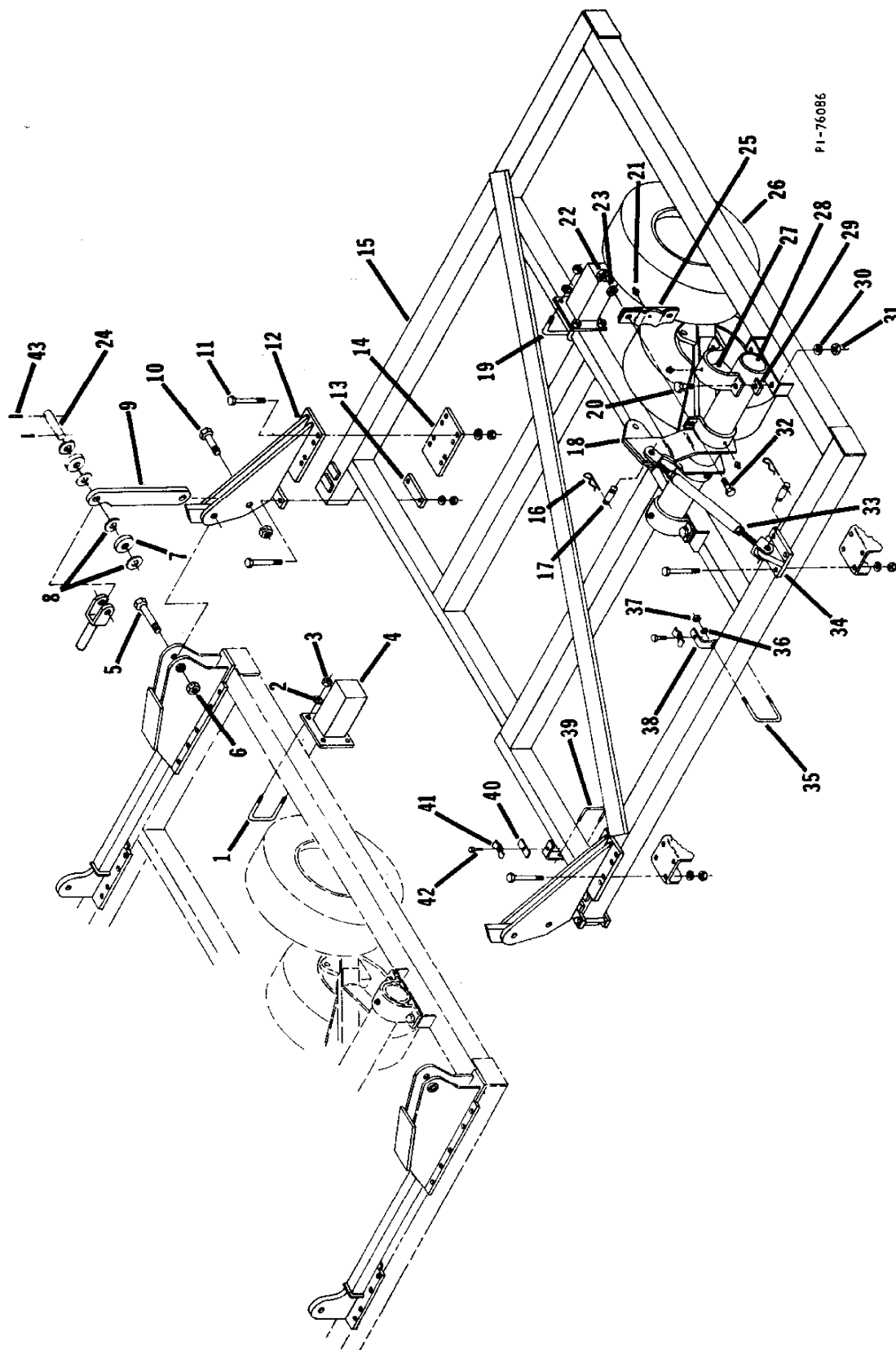


6 FT. 180° OUTSIDE WING

Item	Part #	Description	Qty.
1	88553	Bolt, 3/8 NC x 1-1/2	4
2	13215	Tube Clamp	4
3	15543	Base Plate	2
4	88515	U-Bolt, 3/8 NC x 4 x 2-3/4	2
5	21333	6' 180° Outside Wing (L)	1
	21334	6' 180° Outside Wing (R)	1
6	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	2
7	13270	Pole Tube Bracket	4
8	88103	Nut, 3/8 NC	12
9	88362	Lock Washer, 3/8	12
10	21227	Wing Mast Anchor	2
11	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
12	88263	Grease Fitting, 1/8 NPT	12
13	88125	Nut, 1 NC	2
	21385	Adjustment Rod	2
	21387	LH Adjustment Rod	2
	21393	Adjustment Tube	2
14	10176	Spacer	16
15	88371	Nut, 7/8 NC	8
16	88341	Lock Washer, 7/8	8
17	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC Tandem Wing Axle (L)	1
	21365	HC Tandem Wing Axle (R) (See Walking Tandem Assembly, Page 60)	1
18	10399	Axle Cap	4

Item	Part #	Description	Qty.
19	10236	Wheel Rim, 15 x 6	4
16 287	11950	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
20	21375	Wing Axle Saddle	4
21	89071	Bolt, 7/8 NC x 2-1/2 GR 8	8
22	21232	8" Stroke Axle Mast	2
23	11930	Cylinder Pin	4
24	88352	Spring Lock Pin	8
25	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
26	88110	Nut, 3/4 NC	8
27	88130	Lock Washer, 3/4	8
28	88432	Roll Pin, 5/16 x 2	8
29	21424	Hinge Mount Plate	2
30	21360	Hinge Pivot	4
31	88295	Bolt, 5/8 NC x 6 GR 5	32
32	88447	Bolt, 1 NC x 3-1/2 GR 5	4
33	20186	Wing Lift Link	4
34	21824	Hinge Pin, 1 x 4-3/4	4
35	20192	Wing Link Wheel	8
36	88264	Bolt, 1 NC x 6 GR 5	4
37	88348	Lock Nut, 1 NC	8
38	15627	Hinge Plate	4
39	13963	1FT U-Bolt Stub	4
40	88126	Nut, 5/8 NC	48
41	88129	Lock Washer, 5/8	48
42	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4
43	88196	Flat Washer, 1"	16

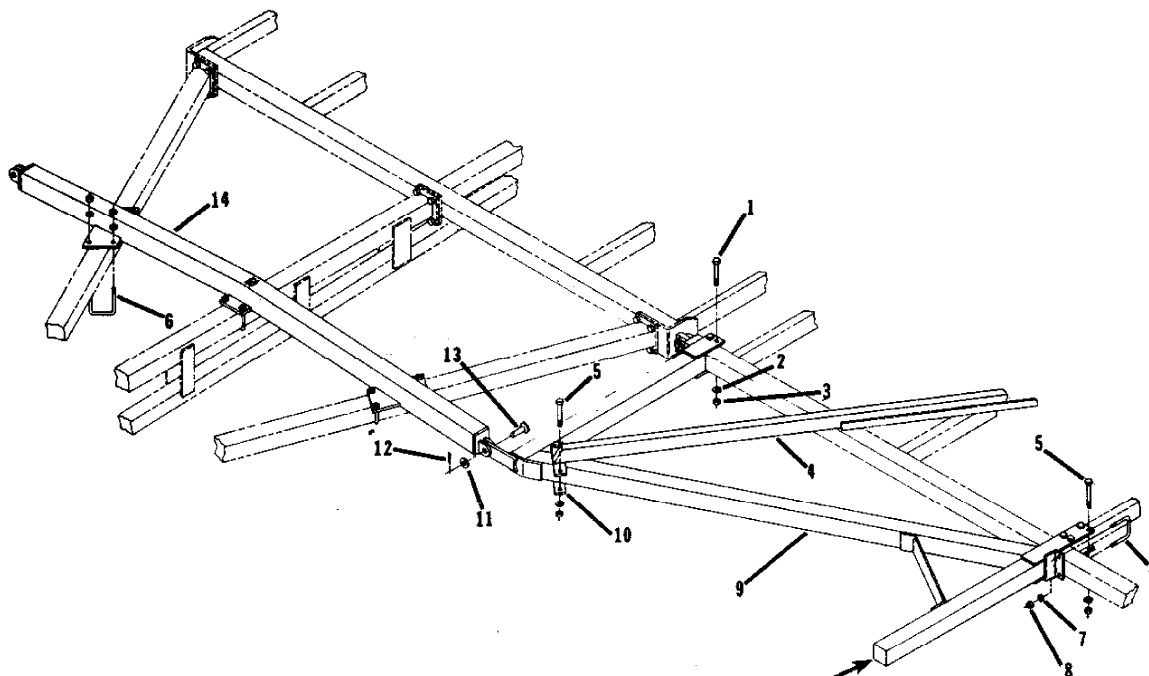
9 FT. 180° OUTSIDE WING



9 FT. 180° OUTSIDE WING

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4
2	88129	Lock Washer, 5/8	48
3	88126	Nut, 5/8 NC	48
4	13963	1FT U-Bolt Stub	4
5	88264	Bolt, 1 NC x 6 GR 5	4
6	88348	Lock Nut, 1 NC	8
7	20192	Wing Link Wheel	8
8	88196	Flat Washer, 1"	16
9	20186	Wing Lift Link	4
10	88447	Bolt, 1 NC x 3-1/2 GR 5	4
11	88295	Bolt, 5/8 NC x 6 GR 5	32
12	21360	Hinge Pivot	4
13	15627	Hinge Plate	4
14	21424	Hinge Mount Plate	2
15	21331	9' 180° Outside Wing (R)	1
	21332	9' 180° Outside Wing (L)	1
16	88352	Spring Lock Pin	8
17	11930	Cylinder Pin	4
18	21232	8" Stroke Axle Mast	2
19	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
20	89071	Bolt, 7/8 NC x 2-1/2 GR 8	8
21	88263	Grease Fitting, 1/8 NPT	12
22	88110	Nut, 3/4 NC	8
23	88130	Lock Washer, 3/4	8
24	21824	Hinge Pin, 1 x 4-3/4	4
25	21375	Wing Axle Saddle	4

Item	Part #	Description	Qty.
26	10236	Wheel Rim, 15 x 6	4
16287	11950	Tire, 9:5L x 15	4
	11956	Tube, 7:60/9:5L x 15	4
27	10399	Axle Cap	4
28	21451	Tandem Wing Axle (L)	1
	21452	Tandem Wing Axle (R)	1
	21364	HC Tandem Wing Axle (L)	1
	21365	HC Tandem Wing Axle (R)	1
		(See Walking Tandem Assembly, Page 60)	
29	10176	Spacer	16
30	88341	Lock Washer, 7/8	8
31	88371	Nut, 7/8 NC	8
32	88404	Bolt, 3/4 NC x 2-1/2 GR 5	8
33	88125	Nut, 1 NC	2
	21385	Adjustment Rod	2
	21387	LH Adjustment Rod	2
	21393	Adjustment Tube	2
34	21227	Wing Mast Anchor	2
35	88385	U-Bolt, 3/8 NC x 4 x 4-3/4	2
36	88362	Lock Washer, 3/8	12
37	88103	Nut, 3/8 NC	12
38	13270	Pole Tube Bracket	4
39	88515	U-Bolt, 3/8 NC x 4 x 2-3/4	2
40	15543	Base Plate	2
41	13215	Tube Clamp	4
42	88553	Bolt, 3/8 NC x 1-1/2	4
43	88432	Roll Pin, 5/16 x 2	8



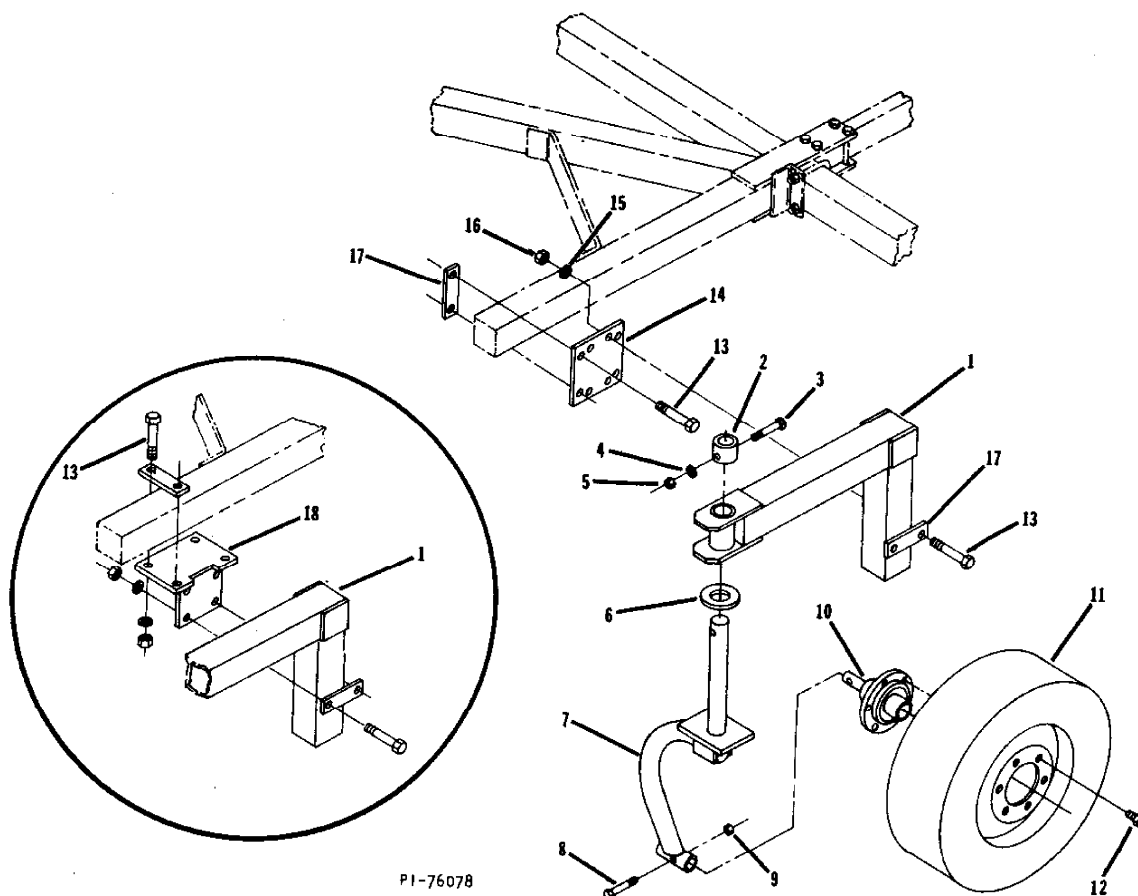
See HD Gauge Wheel, Page 40

PI-76082

HD AUXILIARY HINGE

Item	Part #	Description	Qty.
1	88293	Bolt, 3/4 NC x 6 GR 5	4
2	88130	Lock Washer, 3/4	4
3	88110	Nut, 3/4 NC	4
4	21388	Wing Brace	2
5	88295	Bolt, 5/8 NC x 6 GR 5	12
6	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	8
7	88126	Nut, 5/8 NC	28
8	88129	Lock Washer, 5/8	28

Item	Part #	Description	Qty.
9	21347	Auxiliary Hinge (12FT Inside Wing)	2
	21348	Auxiliary Hinge (9FT Inside Wing)	2
10	21442	Brace Plate	2
11	88196	Flat Washer, 1"	2
12	88101	Cotter Pin, 1/4 x 2-1/2	2
13	12217	Hinge Pin	2
14	13795	Pole Hinge	1



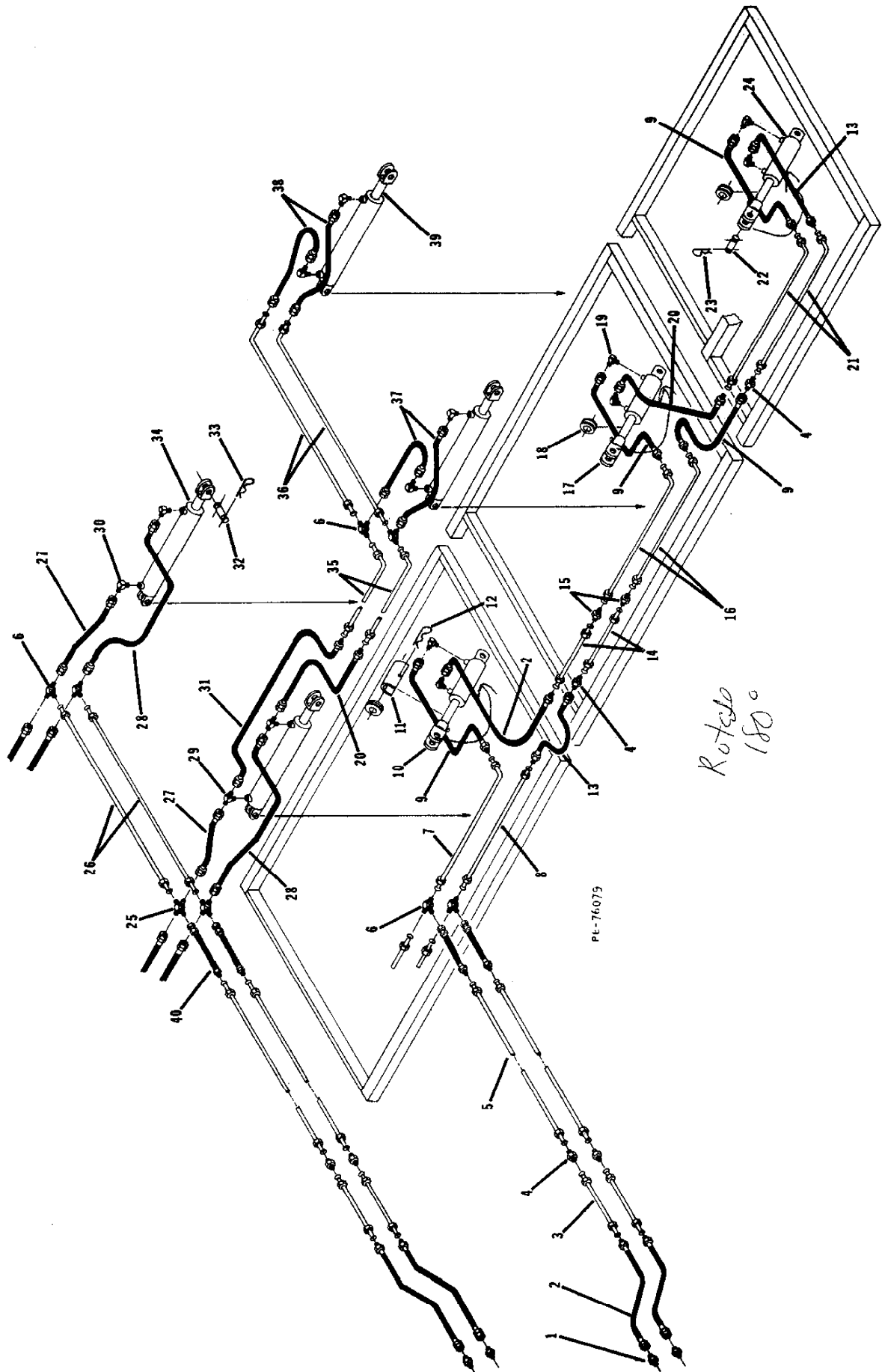
PI-76078

HD CASTERING GAUGE WHEEL

Item	Part #	Description	Qty.
1	15931	Caster Wheel Arm	2
2	14189	Stop Collar	2
3	88412	Bolt, 3/8 NC x 3-1/2 GR 5	2
4	88362	Lock Washer, 3/8	2
5	88103	Nut, 3/8 NC	2
6	19262	Shim	2
7	16312	Caster Wheel-Leg	2
8	88313	Bolt, 1/2 NF x 3 GR 5	2
9	88304	Lock Nut, 1/2 NF	2
10	41233	1-3/4" Hub & Spindle	2

Item	Part #	Description	Qty.
11	10236	Wheel Rim, 15 x 6	2
116287	11950	Tire, 9:5L x 15	2
	11956	Tube, 7:60/9:5L x 15	2
12	88142	Wheel Bolt, 1/2 NF x 1	12
13	88295	Bolt, 5/8 NC x 6 GR 5	16
14	16321	Mounting Plate	2
15	88129	Lock Washer, 5/8	16
16	88126	Nut, 5/8 NC	16
17	15627	Hinge Plate	8
18	19423	Shallow Tillage Bracket	2

4450 CP HYDRAULICS (ALL MODELS)

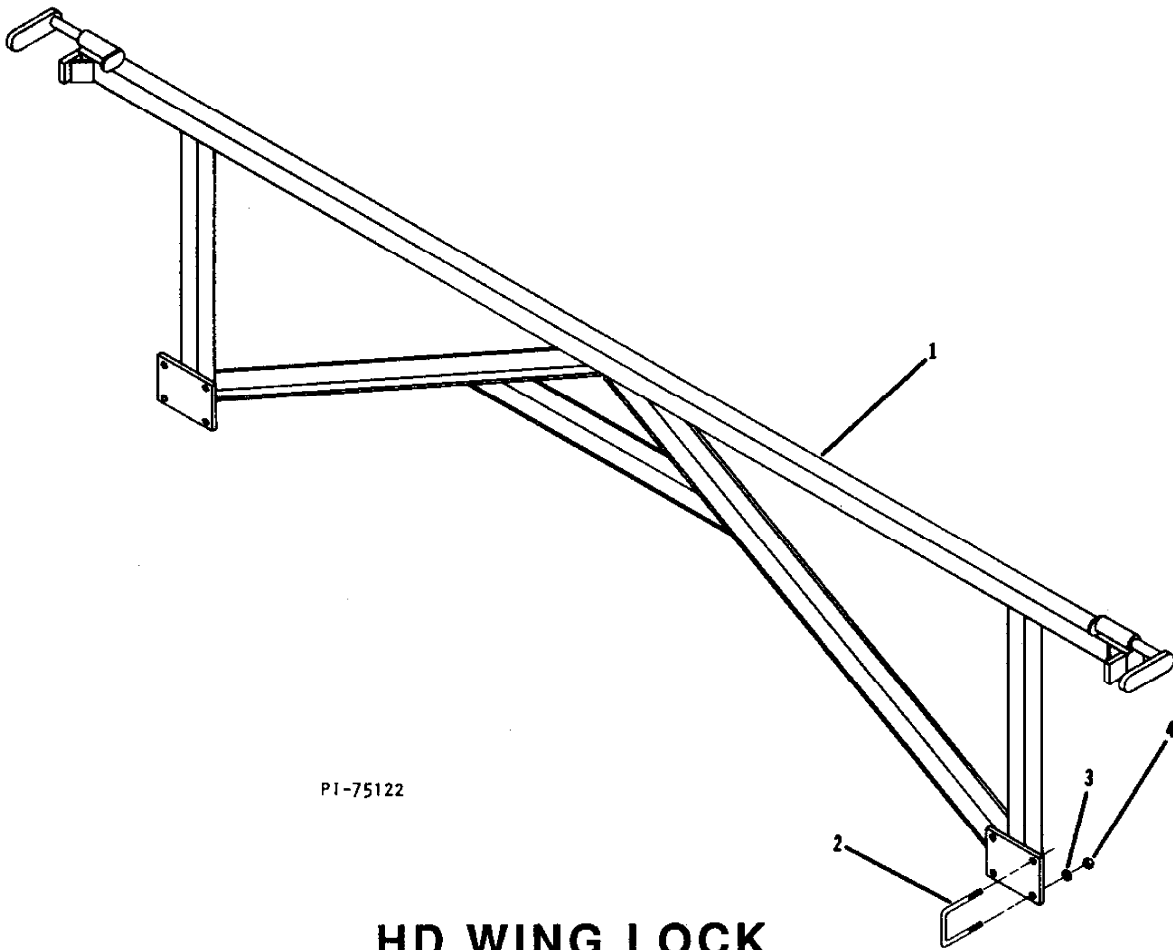


4450 CP HYDRAULICS (ALL MODELS)

Item	Part #	Description	Qty.
1	13234	Coupler Adapter	4
2	13267	Hose, 3/8 x 72	6
3	13287	Tube, 1/2 x 38	4
4	13239	Hose Union	8
5	13253	Tube, 1/2 x 120	4
6	13238	Tube Tee	8
7	21022	Tube, 1/2 x 70+2	2
8	21037	Tube, 1/2 x 72	2
9	13264	Hose, 3/8 x 48	8
10	42581	4 x 10.8 Top Bypass	2
11	19145	1-1/2" Channel Lock	2
12	42721	Spring Lock Pin, 1/4x5	2
13	13263	Hose, 3/8 x 36	4
14	13287	Tube, 1/2 x 38 (12FT Wing Only)	4
15	13239	Hose Union (12FT Wing Only)	4
16	13258	Tube, 1/2 x 60+2	4
17	42580	4 x 9.3 Top Bypass	2
18	15113	1-1/2" Stop Collar	6
19	13236	1/2 NPT Port Elbow	12
20	13266	Hose, 3/8 x 60	4
21	21021	Tube, 1/2 x 36+2 (6FT Outside Wing)	4
	21022	Tube, 1/2 x 70+2 (9FT Outside Wing)	4

Item	Part #	Description	Qty.
22	42473	Cylinder Pin	12
23	42484	Spring Lock Pin	24
24	42579	4 x 8 Top Bypass	2
25	15910	Tube Cross	2
26	13254	Tube, 1/2 x 80	2
27	13261	Hose, 3/8 x 30	4
28	13265	Hose, 3/8 x 56	4
29	13237	3/8 NPT Port Tee	4
30	13235	3/8 NPT Port Elbow	12
31	13269	Hose, 3/8 x 84	2
32	42472	Cylinder Pin (9FT Inside Wing)	8
		(12FT Inside Wing)	12
33	42484	Spring Lock Pin (9FT Inside Wing)	16
		(12FT Inside Wing)	24
34	51229	4 x 30 Standard	4
35	20464	Tube, 1/2 x 48+2 (9FT Inside Wing)	4
	21020	Tube, 1/2 x 78+2 (12FT Inside Wing)	4
36	21020	Tube, 1/2 x 78+2	4
37	13423	Hose, 3/8 x 24 (F-F)	4
38	13260	Hose, 3/8 x 24 (M-F)	4
39	51226	4 x 24 Standard	4
40	13259	Hose, 3/8 x 18	4

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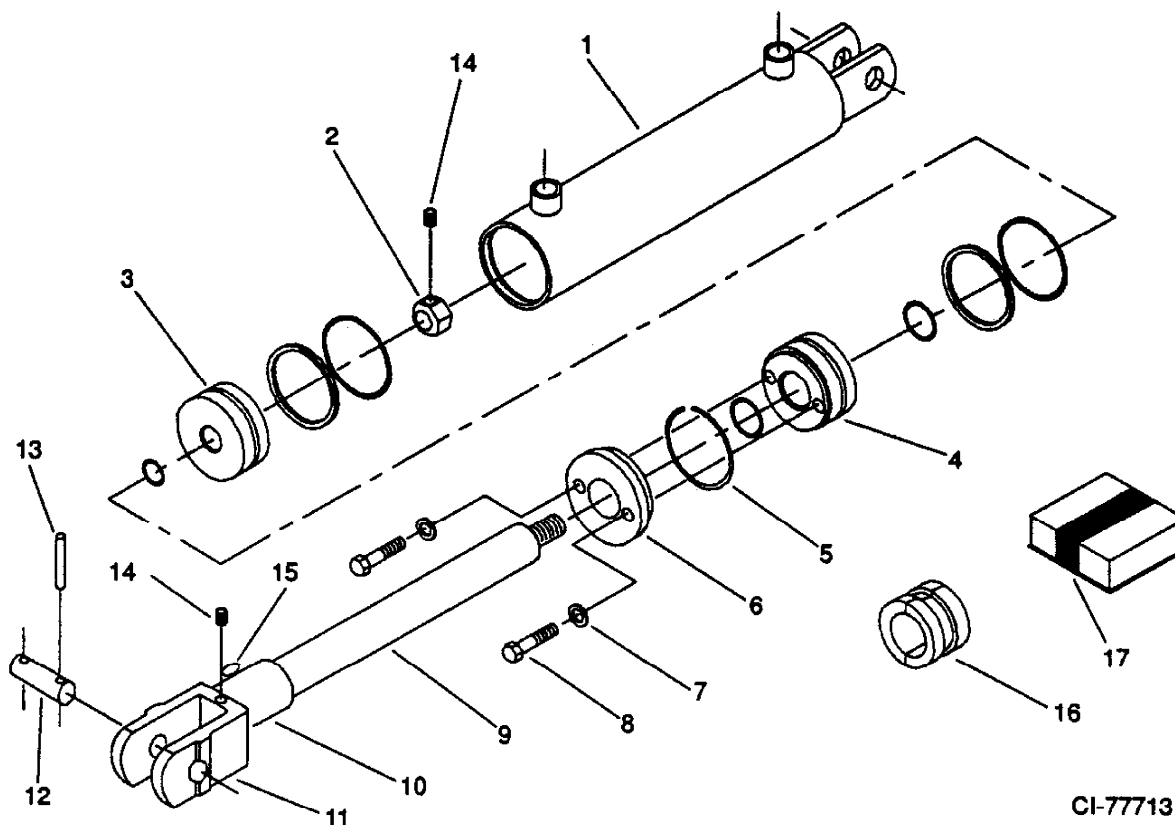


HD WING LOCK

Item	Part #	Description	Qty.
1	15609	Wing Lock Assembly	1
2	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4

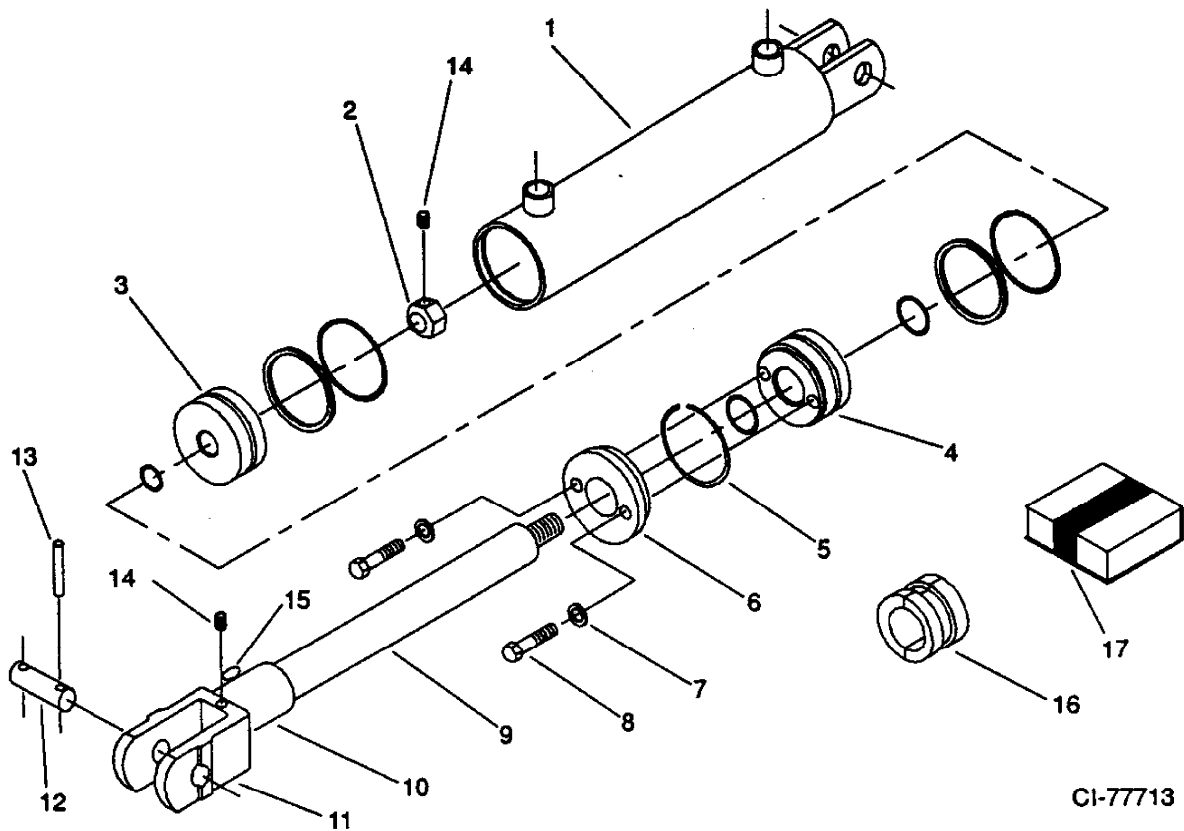
Item	Part #	Description	Qty.
3	88129	Lock Washer, 5/8	8
4	88126	Nut, 5/8 NC	8

4 x 8 TOP BYPASS



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	42579	4 x 8 Top Bypass Cylinder (Series PX)	9	13569	Cylinder Rod 4 x 8 (SS)
	14523	4 x 8 Top Bypass Cylinder (Series PB)	10	13570	Stop Collar Screw Stop
1	42573	Cylinder Tube	11	14822	Cylinder Yoke
2	14824	Piston Lock Nut	12	42473	Cylinder Pin
3	42577	Piston	13	42484	Cylinder Lock Pin
4	42576	End Gland	14	88706	Set Screw 5/16NC x 5/16
5	12286	Snap Ring 4"	15	88387	Thumb Screw 3/8NC x 3/4
6	13851	Stop Plate 4 x 8	16	15113	Stop Collar 1-1/2
7	88362	Lock Washer 3/8	17	42664	Seal Kit (Series PX - All)
8	88553	Bolt 3/8NC x 1-1/2 GR5		14906	Seal Kit (Series #PB-10,00&Up)

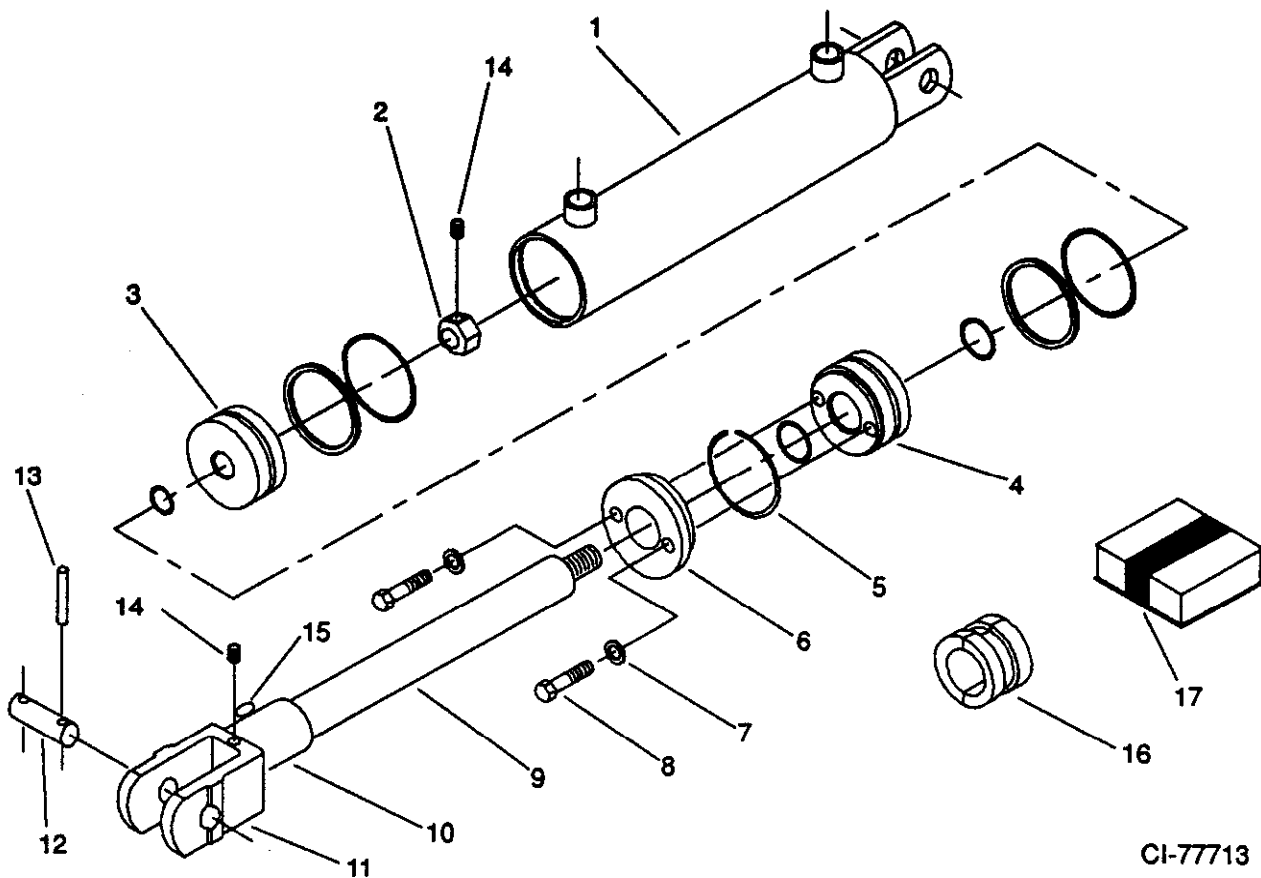
4 x 9.3 TOP BYPASS



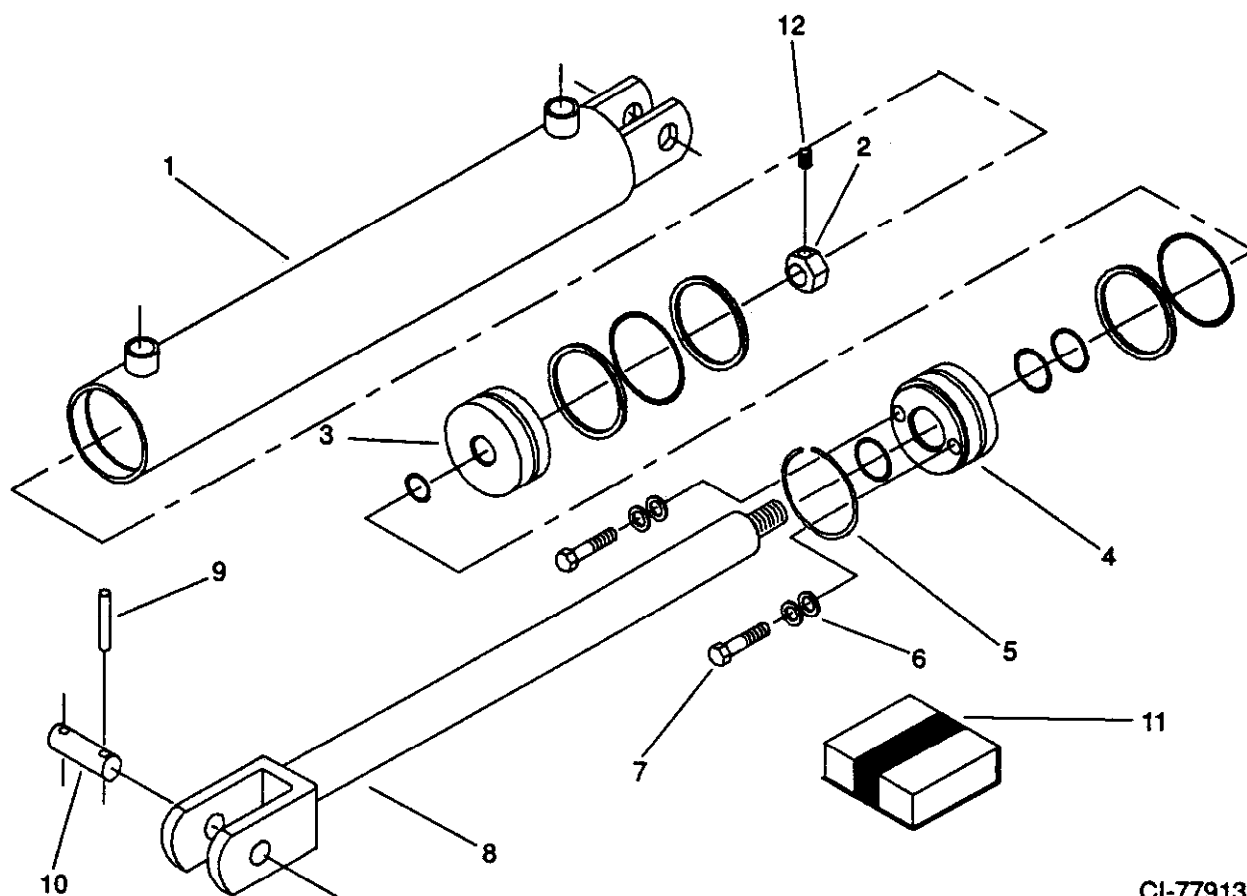
ITEM	PART NO.	DESCRIPTION
	16211	4 x 9.3 Top Bypass Cylinder (Series #PE)
	42580	4 x 9.3 Top Bypass Cylinder (Series #PY)
1	42574	Cylinder Tube
2	14824	Piston Lock Nut
3	42577	Piston
4	42576	End Gland
5	12286	Snap Ring 4"
6	13851	Stop Plate 4 x 8
7	88362	Lock Washer 3/8

ITEM	PART NO.	DESCRIPTION
8	88553	Bolt 3/8NC x 1-1/2 GR5
9	16221	4 x 9.3 Cylinder Rod
10	13570	Stop Collar Screw Stop
11	14822	Cylinder Yoke
12	42473	Cylinder Pin
13	42484	Cylinder Lock Pin
14	88706	Set Screw 5/16NC x 5/16
15	88387	Thumb Screw 3/8NC x 3/4
16	15113	Stop Collar 1-1/2
17	42664	Seal Kit (Series # PY-All)
	14906	Seal Kit (#PE - All)

4 x 10.8 TOP BYPASS



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	16212	4 x 10.8 Top Bypass Cylinder (Series # PH)	8	88553	Bolt 3/8NC x 1-1/2 GR5
	42581	4 x 10.8 Top Bypass Cylinder (Series # PZ)	9	16225	4 x 10.8 Cylinder Rod
1	42575	Cylinder Tube	10	13570	Stop Collar Screw Stop
2	14824	Piston Lock Nut	11	14822	Cylinder Yoke
3	42577	Piston	12	42473	Cylinder Pin
4	42576	End Gland	13	42484	Cylinder Lock Pin
5	12286	Snap Ring 4"	14	88706	Set Screw 5/16NC x 5/16
6	13851	Stop Plate 4 x 8	15	88387	Thumb Screw 3/8NC x 3/4
7	88362	Lock Washer 3/8	16	15113	Stop Collar 1-1/2
			17	42664	Seal Kit (Series #PZ -All)
				14906	Seal Kit (#PH - All)

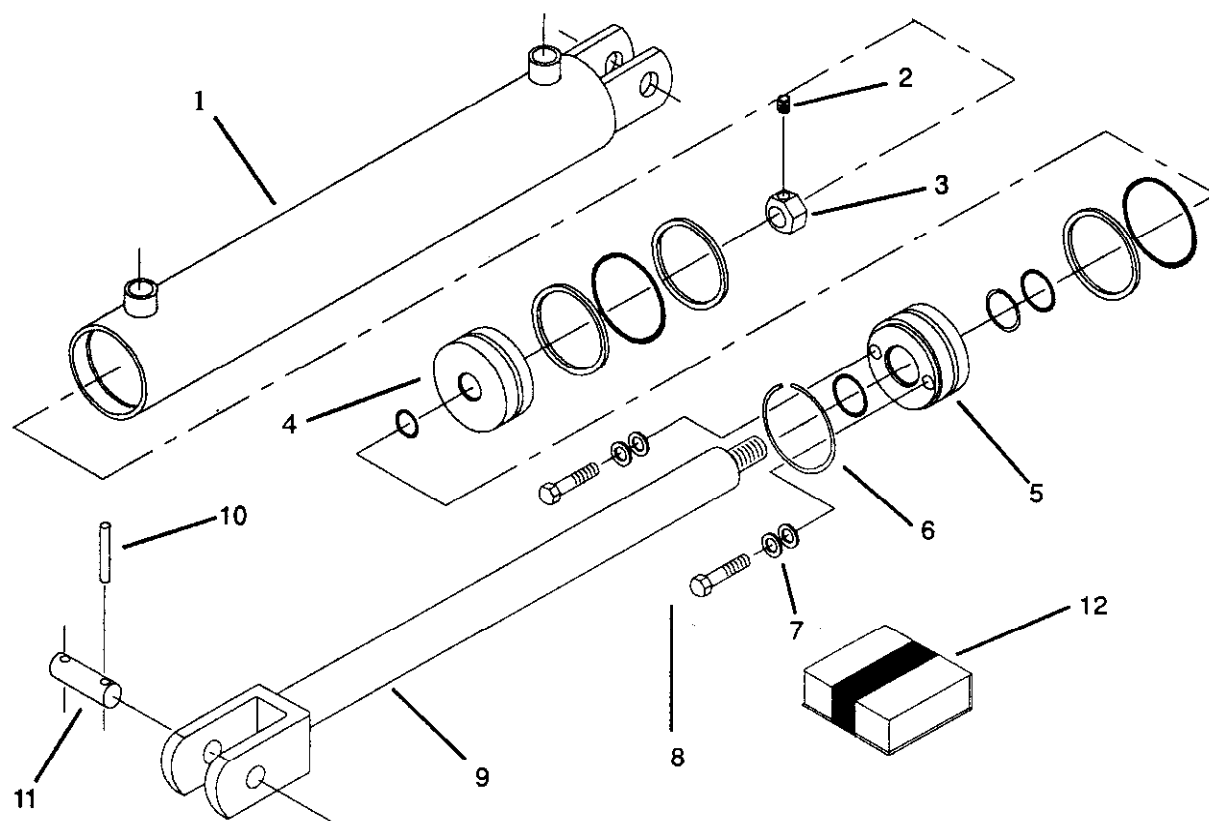
3 x 24 STANDARD

CI-77913

ITEM	PART NO.	DESCRIPTION
	51241	3 x 24 Standard
	11614	3 x 24 Standard
1	12310	Cylinder Tube Assembly
2	14824	1-1/2NF Piston Nut
3	12308	Piston
4	51206	3" Cylinder Gland
5	12303	3" Snap Ring
6	88855	1/4SAE Flat Washer

ITEM	PART NO.	DESCRIPTION
7	88190	1/4NC x 1/2 Bolt
8	13526	3 x 24 Cylinder Rod Assembly
9	42484	Cylinder Lock Pin
10	42473	Cylinder Pin
11	51210	Seal Kit (Series #RL-All)
	14904	Seal Kit (Series #T-10,000&Up)
12	88706	5/16NC x 5/16 Set Screw

3 1/2 x 24 STANDARD

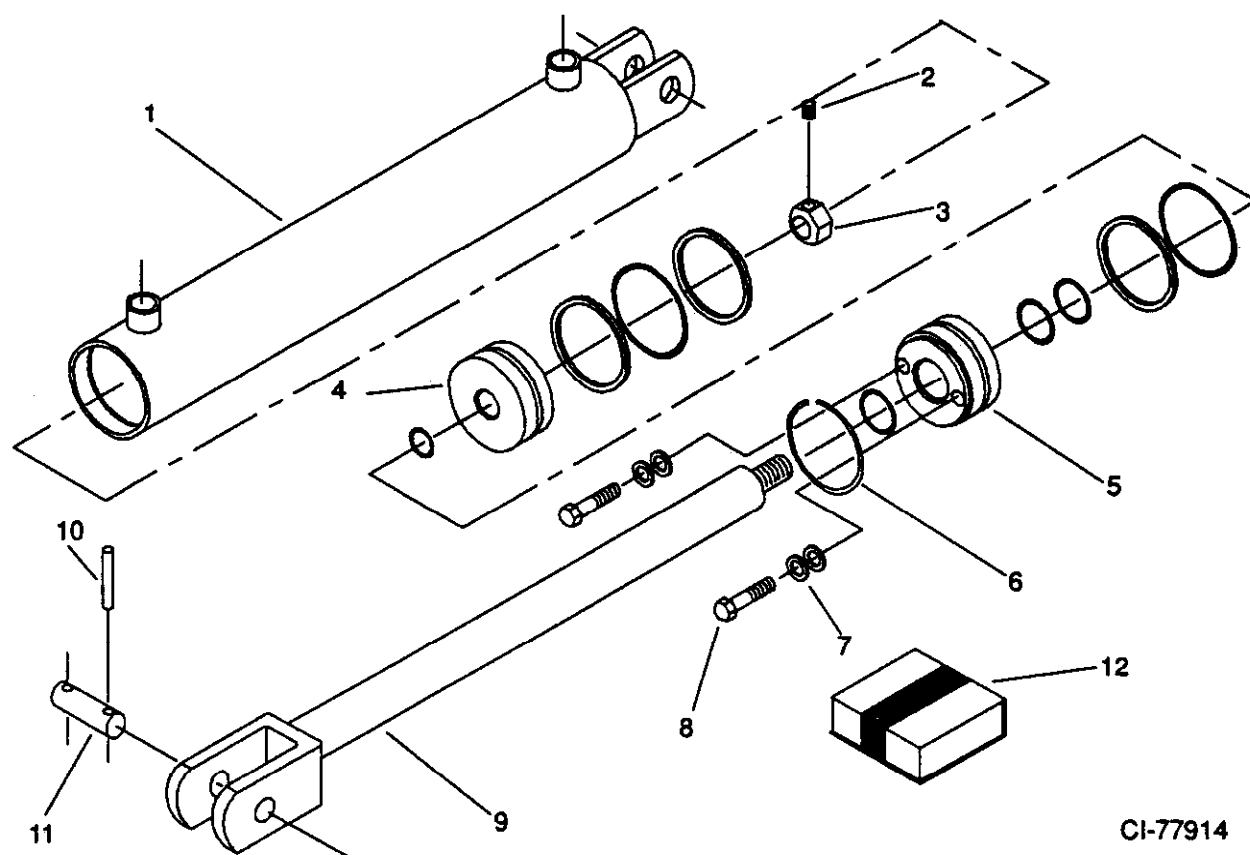


CI-77914

ITEM	PART NO.	DESCRIPTION
	11491	3-1/2 x 24 Standard (Series # O)
	51235	3-1/2 X 24 Standard (Series # RF)
1	55697	Cylinder Tube Assembly
2	88706	Set Screw 5/16NC x 5/16
3	14824	Piston Lock Nut
4	12299	Piston
5	51207	3-1/2" Cylinder Gland

ITEM	PART NO.	DESCRIPTION
6	12293	3-1/2" Snap Ring
7	88855	1/4 Flat Washer
8	88190	1/4NC x 1/2 Bolt
9	55725	Cylinder Rod Assembly
10	42484	Cylinder Lock Pin
11	42472	Cylinder Pin
12	14905	Seal Kit (Series #O-10,000 & Up)
	51211	Seal Kit (Series # RF - All)

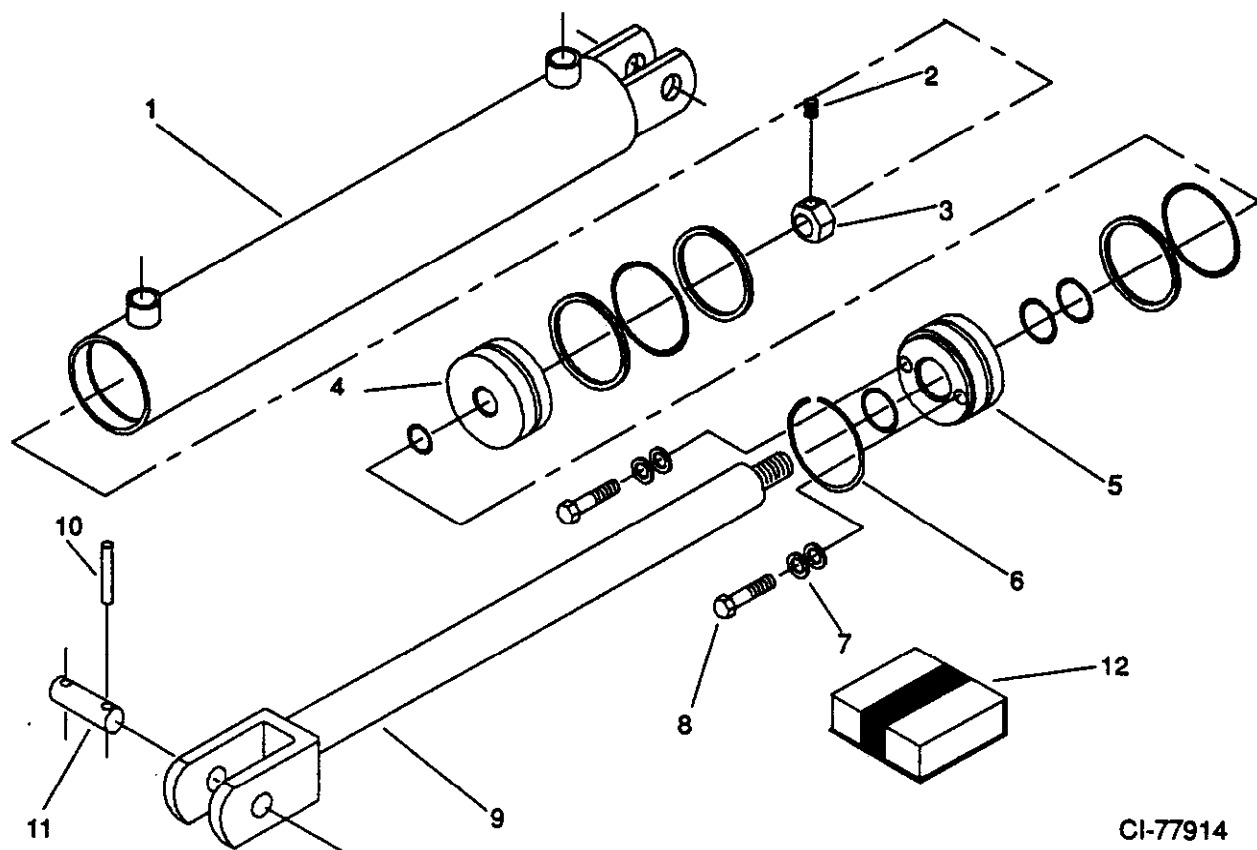
4 x 24 STANDARD



CI-77914

ITEM	PART NO.	DESCRIPTION
	11490	4 x 24 Standard (Series # K)
	51226	4 x 24 Standard (Series # RA)
1	12658	Cylinder Tube Assembly
2	88706	Set Screw 5/16NC x 5/16
3	14824	Piston Lock Nut
4	12282	Piston
5	42576	4" Cylinder Gland

ITEM	PART NO.	DESCRIPTION
6	12286	4" Snap Ring
7	88278	5/16 Flat Washer
8	88566	3/8NC x 3/4 Bolt
9	12302	Cylinder Rod Assembly
10	42484	Cylinder Lock Pin
11	42473	Cylinder Pin
12	14907	Seal Kit (Series #K-10,000&Up)
	51212	Seal Kit (Series #RA - All)

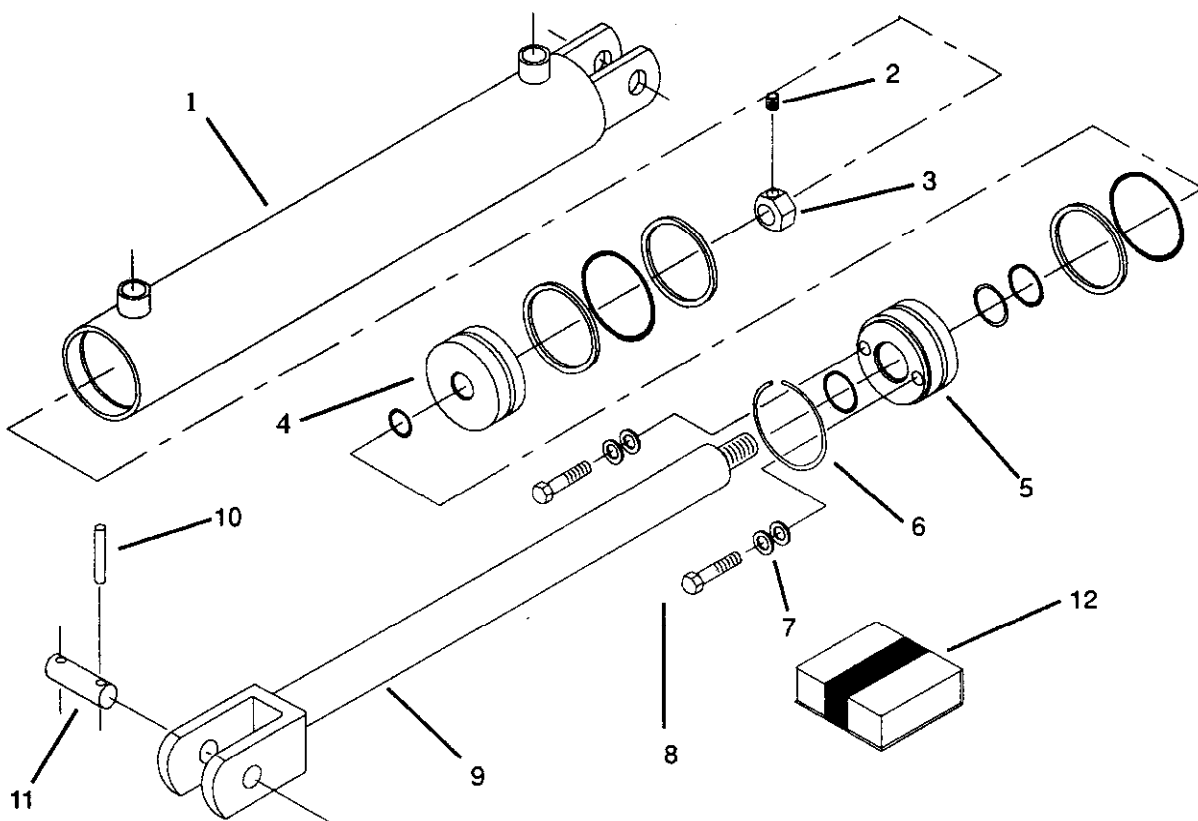
4 x 30 STANDARD

CI-77914

ITEM	PART NO.	DESCRIPTION
	20960	4 x 30 Standard (Series #KA)
	51229	4 x 30 Standard (Series #RD)
1	20961	Cylinder Tube Assembly
2	88706	Set Screw 5/16NC x 5/16
3	14824	Piston Lock Nut
4	12282	Piston
5	42576	4" Cylinder Gland

ITEM	PART NO.	DESCRIPTION
6	12286	4" Snap Ring
7	88278	5/16 Flat Washer
8	88566	3/8NC x 3/4 Bolt
9	20963	Cylinder Rod Assembly
10	42484	Cylinder Lock Pin
11	42473	Cylinder Pin
12	14907	Seal Kit (Series # KA - All)
	51212	Seal Kit (Series # RD - All)

5 x 24 STANDARD

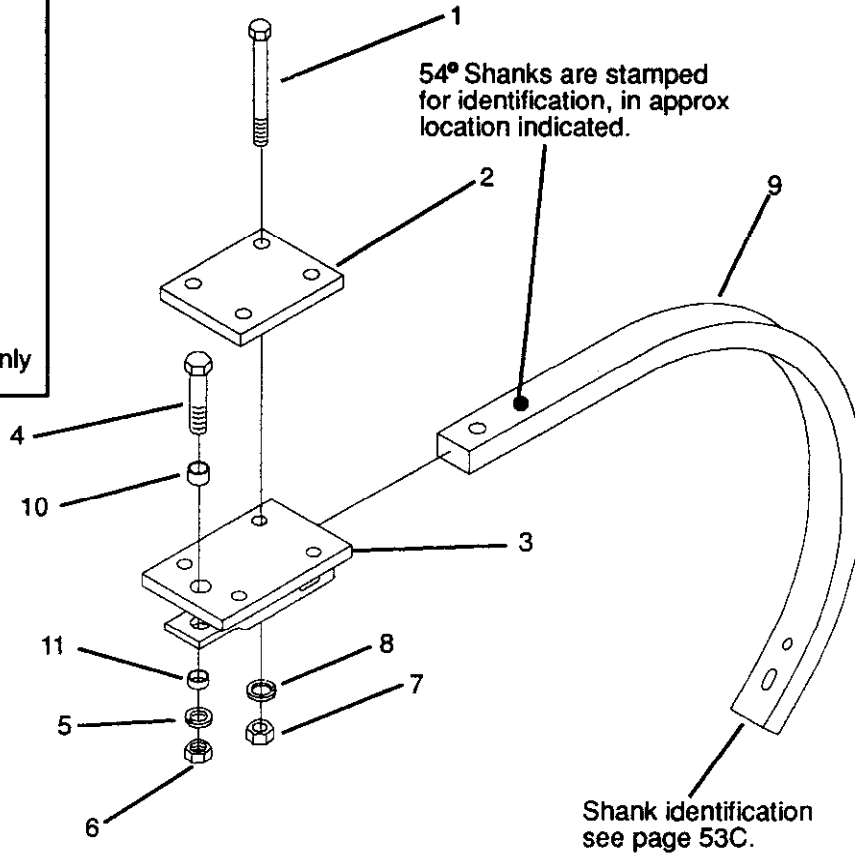
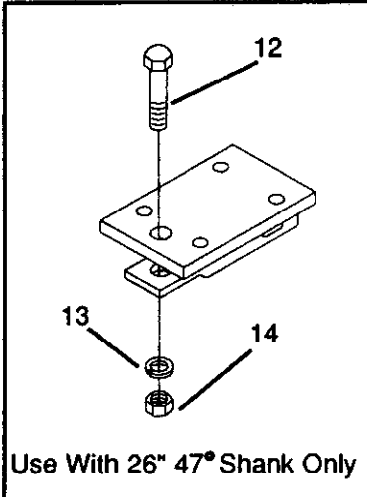


CI-77914

ITEM	PART NO.	DESCRIPTION
	12062	5 x 24 Standard (Series # G)
	12062	5 X 24 Standard (Series # AB)
1	12791	Cylinder Tube Assembly
2	88706	Set Screw 5/16NC x 5/16
3	59222	Piston Lock Nut
4	13293	Piston
5	52103	5" Cylinder Gland

ITEM	PART NO.	DESCRIPTION
6	12324	5" Snap Ring
7	88278	5/16 Flat Washer
8	88566	3/8NC x 3/4 Bolt
9	12794	Cylinder Rod Assembly
10	42484	Cylinder Lock Pin
11	42472	Cylinder Pin
12	14908	Seal Kit (Series #G-10,000 & Up)
	52326	Seal Kit (Series # AB - All)

Rigid Chisel Plow Shank

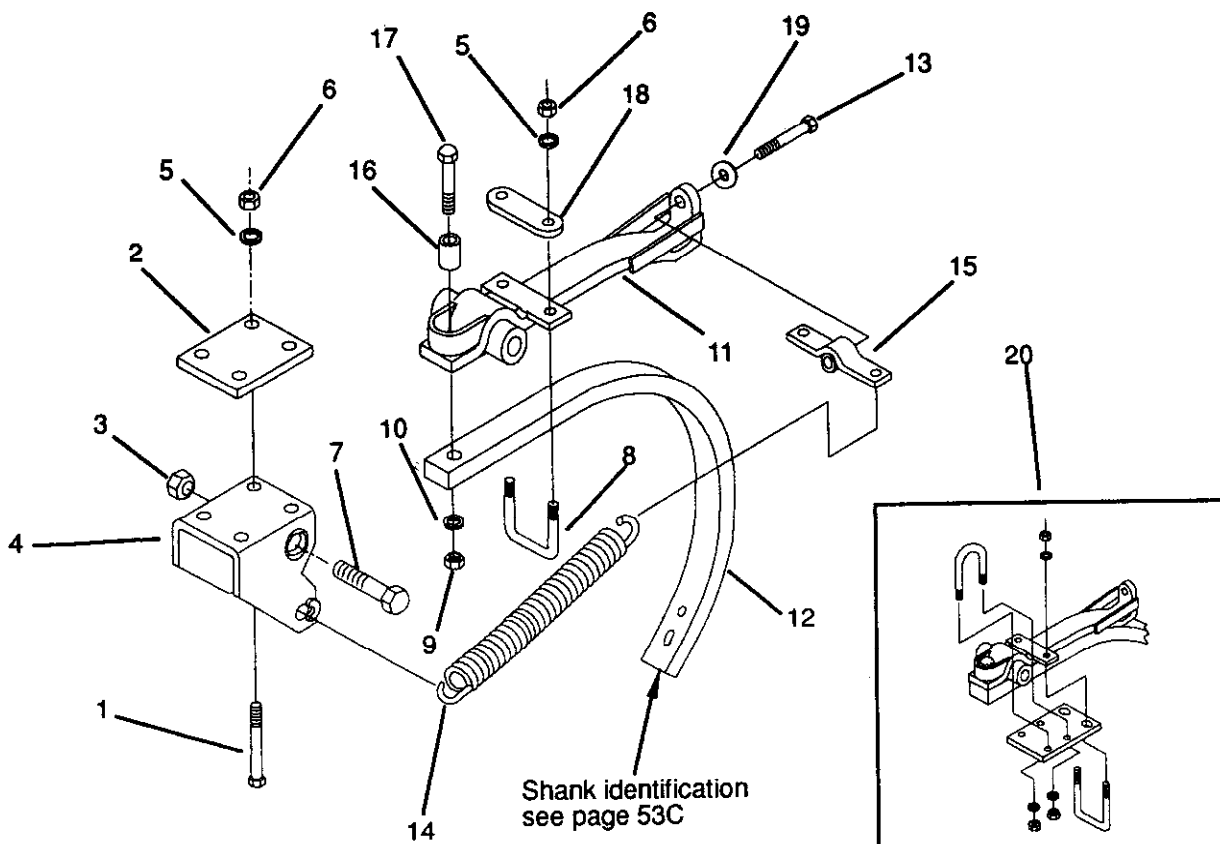


ITEM	PART NO.	DESCRIPTION
	13539	26" 47° Rigid Shank Assy
	15028	32" 47° Rigid Shank Assy
	55552	26" 54° Rigid Shank Assy
	55551	32" 54° Rigid Shank Assy
1	88295	5/8NC x 6 Bolt GR5
2	12751	Frame Plate
3	13536	Shank Holder Assembly
4	88111	3/4NC x 3-1/2 Bolt GR5
5	88130	3/4 Lock Washer
6	89080	3/4NC Nut
7	88126	5/8NC Nut

8	88129	5/8 Lock Washer
9	13540	26" 47° CP Shank
	14722	32" 47° CP Shank
	55478	26" 54° CP Shank
	55485	32" 54° CP Shank
10	16459	5/8 Shim
11	16458	3/8 Shim
12	88396	7/8NC x 3-1/2 Bolt GR5
13	88341	7/8 Lock Washer
14	88371	7/8NC Nut

47° Chisel Plow Shank

Prior To 1/93



ITEM PART NO. DESCRIPTION

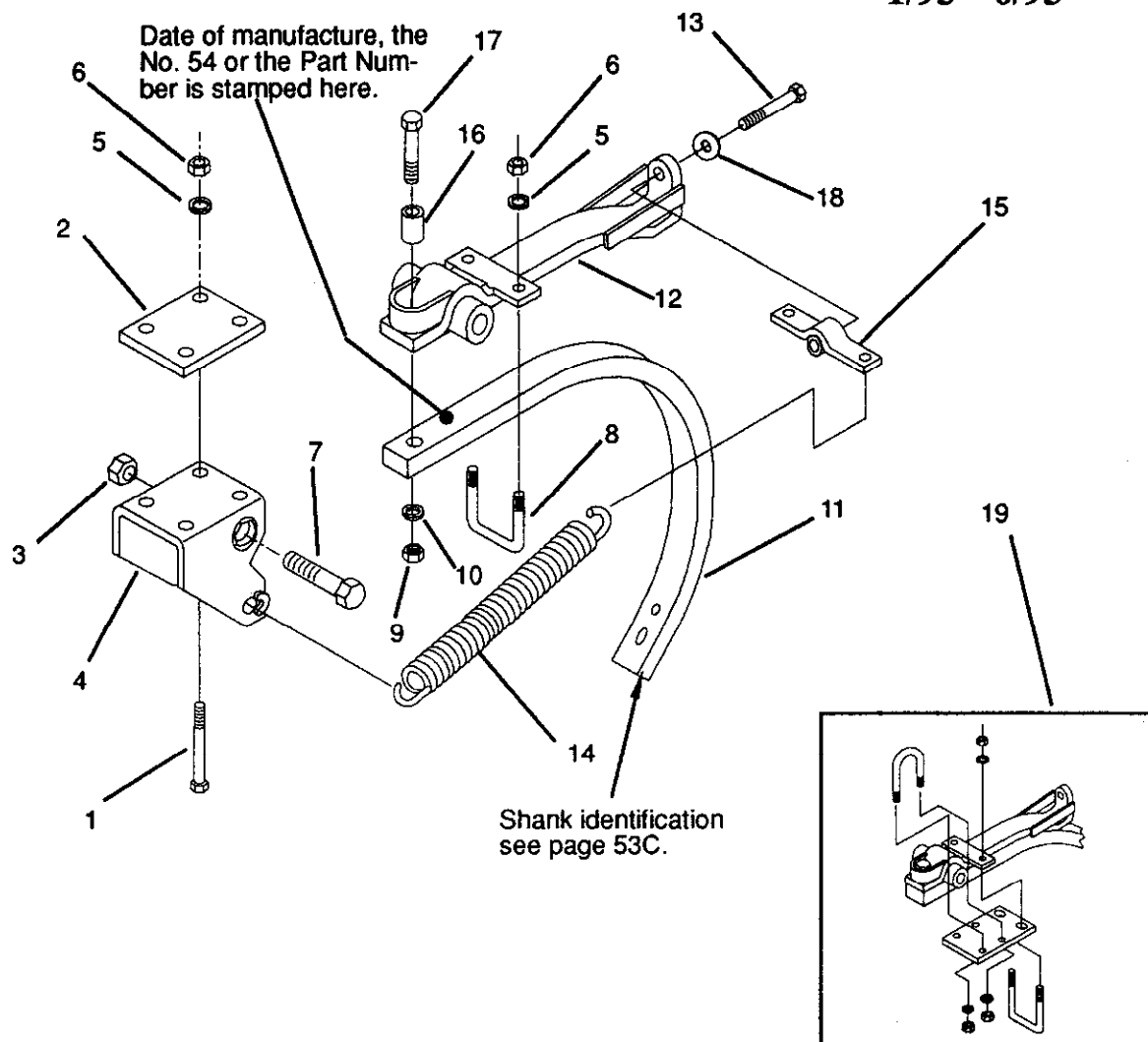
	15015	26" 47° Shank Assembly
	14746	32" 47° Shank Assembly
	26384	32" 47° Shank Assembly
		5/8 Wire Springs
1	88295	5/8NC x 6 GR5 Bolt
2	12751	Frame Plate
3	88169	1NF Lock Nut
4	14745	Shank Holder Frame
	21701	HD Shank Holder Frame (Used W/ 5/8 Springs)
5	88129	5/8 Lock Washer
6	88126	5/8NC Nut
7	14987	Pivot Bolt
8	88521	5/8NC x 2 x 4 U-Bolt (Used W/ 5/8 Springs)
	88441	5/8NC x 2 x 3-1/4 U-Bolt
9	89080	3/4NC Nut
10	88130	3/4 Lock Washer
11	14718	CP Shank Holder
12	10209	26" 47° CP Shank
	14722	32" 47° CP Shank

ITEM PART NO. DESCRIPTION

13	10210	Adjustment Bolt
14	13394	Extension Spring(26")
	15410	Extension Spring(32")
	55055	5/8 Wire Extension Spring
15	14679	Spring Adjust Assy
	21699	HD Spring Adjust Assy (5/8 Wire Spring)
16	42614	Stop Collar .781ID x 1-1/4OD x 1.50 (Used W/43° Shovels)
	54628	Stop Collar .781ID x 1-1/4OD x 1.62 (Used W/47° Shovels) (Only Made 1/93-3/93)
17	88421	3/4NC x 4-1/2 Bolt GR5
18	15518	Shim(26" Shank only)
	22133	4 x 4 Trip Stop (Used W/5/8 Springs) See Page 68
19	88548	3/4 Flat Washer
20	56468	CP Shank Support Kit

54° Chisel Plow Shank

1/93 - 6/93



ITEM PART NO. DESCRIPTION

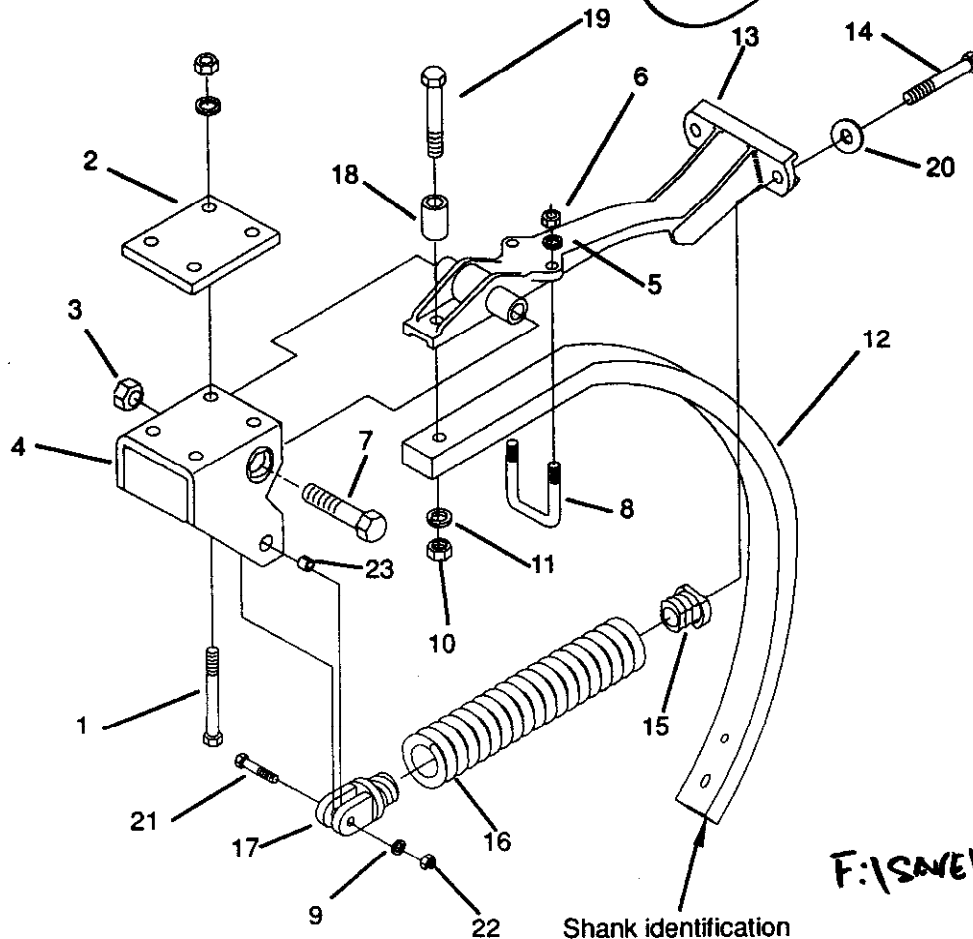
	55480	26" 54° CP Shank Assy
	55487	32" 54° CP Shank Assy
1	88295	5/8NC x 6 GR5
2	12751	Frame Plate
3	88169	1NF Lock Nut
4	14745	Shank Holder Frame
5	88129	5/8 Lock Washer
6	88126	5/8NC Nut
7	14987	Pivot Bolt
8	88521	5/8NC x 2 x 4 U-Bolt
9	89080	3/4NC Nut
10	88130	3/4 Lock Washer

ITEM PART NO. DESCRIPTION

11	55478	26" 54° CP Shank
	55485	32" 54° CP Shank
12	14718	Shank Holder
13	10210	Adjustment Bolt
14	13394	Extension Spring(26")
	15410	Extension Spring(32")
15	14679	Spring Adjust Assy
16	42614	Stop Collar (.781ID x 1-1/4OD x 1.50)
17	88421	3/4NC x 4-1/2 Bolt GR5
18	88548	3/4 Flat Washer
19	56468	CP Shank Support Kit

54° Chisel Plow Shank

From 6/93



Shank identification
see page 53C.

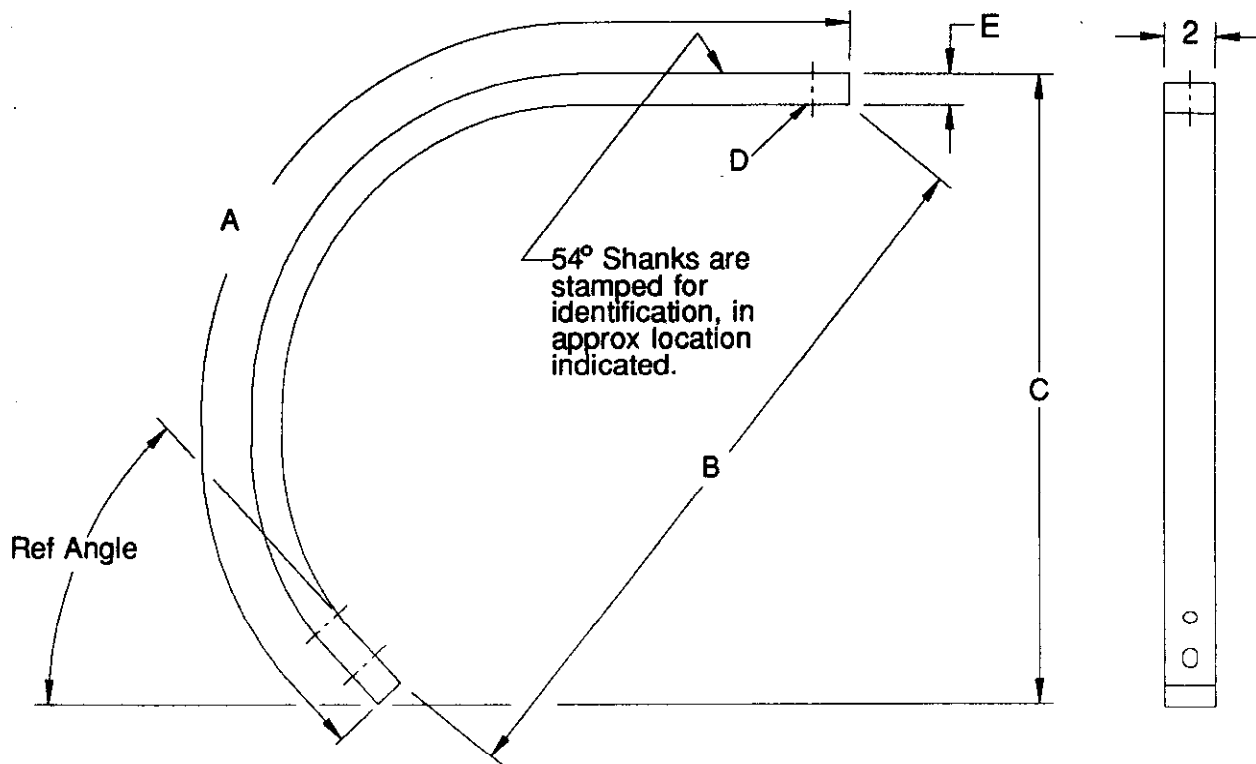
ITEM PART NO. DESCRIPTION

	57973	26" 54° CP Shank Assy
	57969	32" 54° CP Shank Assy
	57966	16.12 Spring Assy (32") (Includes Items 15-17)
	57967	16.63 Spring Assy (26") (Includes Items 15-17)
1	88295	5/8NC x 6 GR5
2	12751	Frame Plate
3	88169	1NF Lock Nut
4	57941	Shank Holder Frame
5	88129	5/8 Lock Washer
6	88126	5/8NC Nut
7	14987	Pivot Bolt
8	88441	5/8NC x 2 x 3-1/4 U-Bolt
9	88303	1/2 Lock Washer

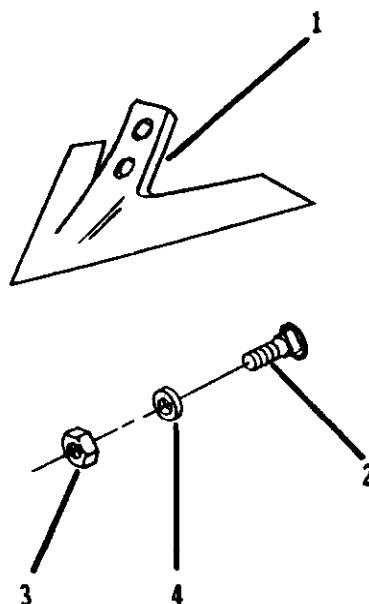
ITEM PART NO. DESCRIPTION

10	89080	3/4NC Nut
11	88130	3/4 Lock Washer
12	55478	26" 54° CP Shank
	55485	32" 54° CP Shank
13	57971	Shank Holder
14	10210	Adjustment Bolt
15	57948	Spring Plug
16	57959	14-1/2 Spring (26")
	57961	13-15/16 Spring (32")
17	57946	Spring Clevis
18	42614	Stop Collar
19	88421	3/4NC x 4-1/2 Bolt GR5
20	88548	3/4 Flat Washer
21	58032	1/2NC x 2-1/2 Hdn Bolt
22	88621	1/2NC Nylock Nut
23	56908	1/2 Spring Tension Bushing

Chisel Plow Shank Measurements



REF ANGLE	PART NO.	STYLE	DESCRIPTION	A	B	C	D	E
47°	10209	RESET	26" 47° CP Shank	44	28-1/4	23-7/8	3/4 Dia	1
54°	55478	RIGID & RESET	26" 54° CP Shank	44-1/4	28-3/4	24	3/4 Dia	1-1/4
47°	14722	RIGID & RESET	32" 47° CP Shank	50-3/4	32-7/8	29-3/4	3/4 Dia	1-1/4
54°	55485	RIGID & RESET	32" 54° CP Shank	50-1/2	33-1/2	30	3/4 Dia	1-1/4
47°	13540	RIGID	26" 47° CP Shank	44-7/8	26-1/8	24-7/8	29/32 Dia	1-1/4
Note: All measurements are in inches.								



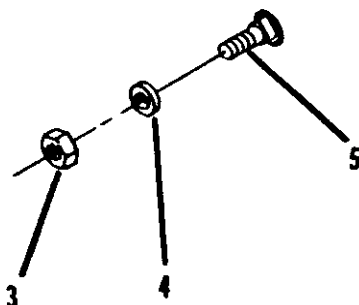
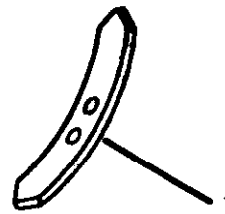
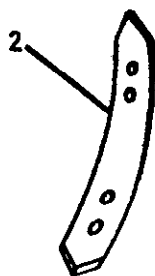
SHOVELS

ITEM PART NO. DESCRIPTION

	14690	Hardware for 25 Shovels (Includes 2, 3 & 4)
1	56903	Sweep, 12" 43 Deg
	56010	Sweep, 12" 50 Deg
	56904	Sweep, 14" 43 Deg
	56011	Sweep, 14" 50 Deg
	56905	Sweep, 16" 43 Deg
	56012	Sweep, 16" 50 Deg
	56906	Sweep, 18" 43 Deg
	56013	Sweep, 18" 50 Deg

ITEM PART NO. DESCRIPTION

2	88345	Plow Bolt, 1/2NC x 2 No. 3
3	88346	Heavy Nut, 1/2NC
4	88347	Flat Washer, 1/2

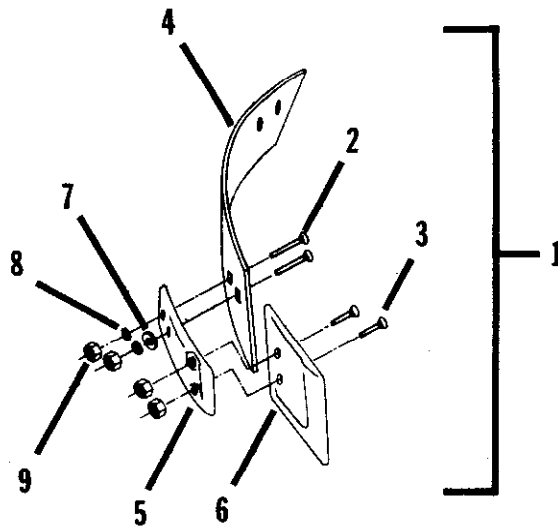


PI-75065

SPIKES

Item	Part #	Description	Qty.
1	14691	Plow Bolt, 1/2" x 2-1/4" (Box of 50) For use with 3/8" Spikes	1
	14692	Plow Bolt, 1/2" x 2-1/2" (Box of 50) For use with 5/8" Spikes	1
	12695	Spike, 5/8" x 2" x 15" (Plain)	1
	14703	Spike, 5/8" x 2" x 15" (Hard Surfaced)	1
	15222	Spike, 5/8" x 2" x 15" (Dura-Faced)	1
	13392	Twisted Spike, 3/8" x 3" x 22" (Plain) (L)	1
	13393	Twisted Spike, 3/8" x 3" x 22" (Plain) (R)	1
2	15224	Twisted Spike, 1/2" x 3-1/2" x 22" (R) (Dura-Faced)	1
	15225	Twisted Spike, 1/2" x 3-1/2" x 22" (L) (Dura-Faced)	1

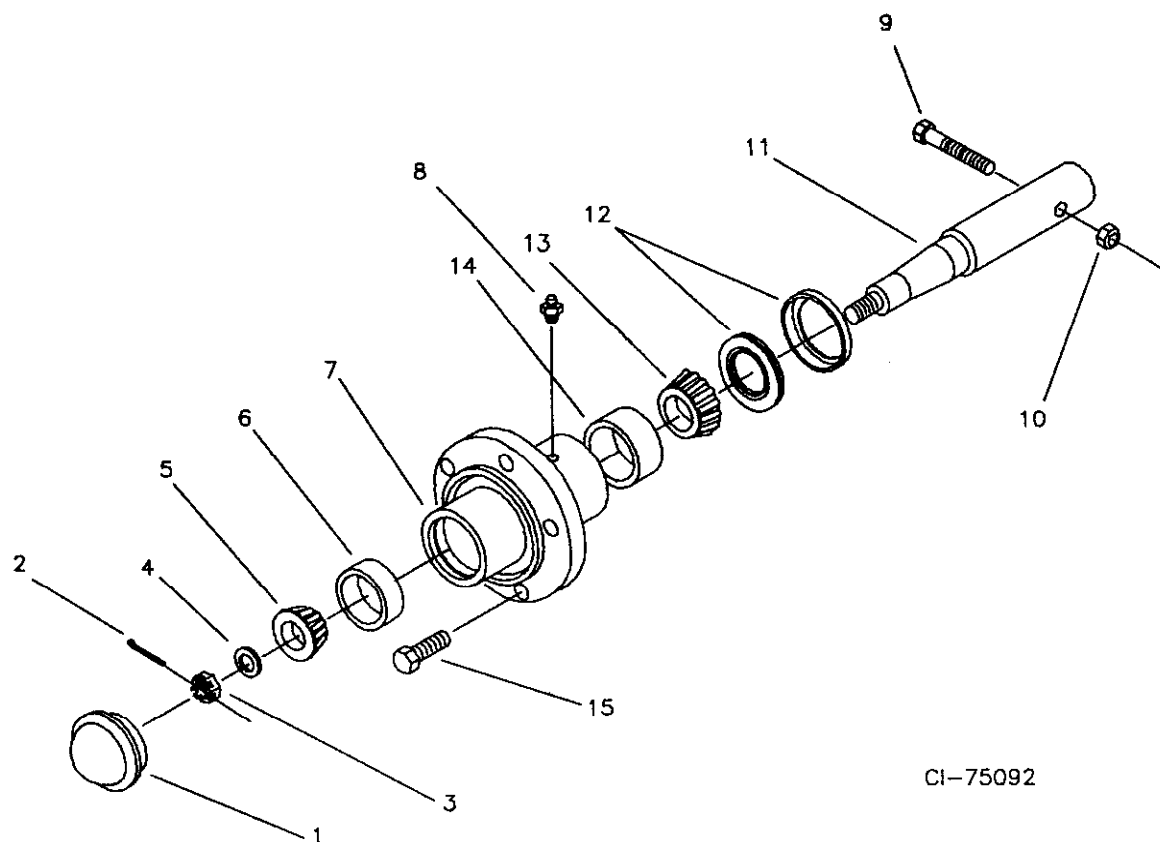
Item	Part #	Description	Qty.
3	88346	Nut, 1/2 NC	
4	88347	Flat Washer, 1/2	
5	88384	Plow Bolt, 1/2 NC x 2-1/2 No. 3	
	88379	Plow Bolt, 1/2 NC x 2-1/4 No. 3	



4" TWISTED MOLDBOARDS

Item	Part #	Description	Qty.
1	19391	4" Moldboard-R (Shown) (Complete)	1
	19392	4" Moldboard-L (Complete)	1
2	88497	Plow Bolt, 1/2 NC x 3-1/4 GR 5 #3	2
3	88496	Share Bolt, 1/2 NC x 1-3/8 GR 5	2
4	19394	Moldboard-R (Shown)	1
	19393	Moldboard-L	1

Item	Part #	Description	Qty.
5	19398	Frog-R (Shown)	1
	19399	Frog-L	1
6	19396	Point-R (Shown)	1
	19395	Point-L	1
7	88347	Flat Washer, 1/2	1
8	88303	Lockwasher, 1/2	2
9	88346	Nut, 1/2 NC	4

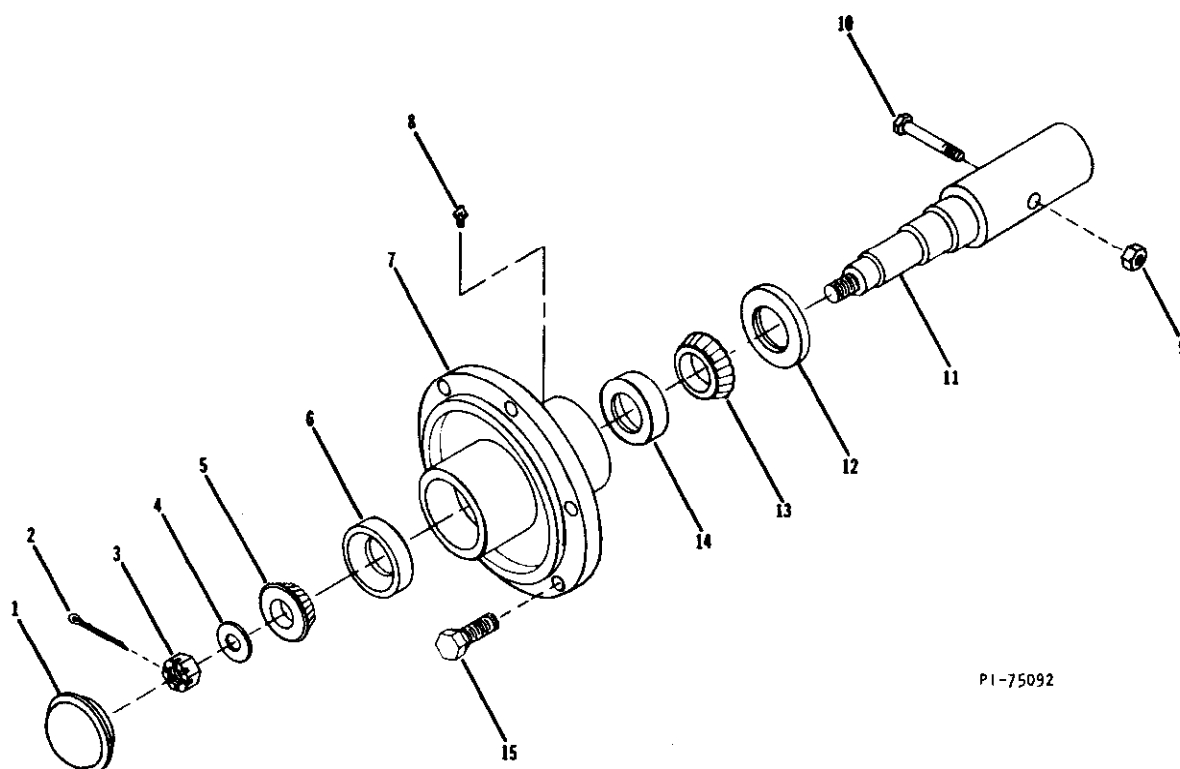


CI-75092

1-3/4" HUB & SPINDLE

Item	Part No.	Description	Qty.
	41233	Hub & Spindle Assy (Items 1-8, 11-15)	
1	11381	Dust Cap	1
2	88301	Cotter Pin, 3/16 x 1-1/2	1
3	88340	Slotted Nut, 7/8 NF	1
4	16094	Spindle Washer, 7/8	1
5	10345	Outer Bearing Cone	1
6	10344	Outer Bearing Cup	1
7	30405	Machine Hub (Includes Items 6, 8 & 14)	1

Item	Part No.	Description	Qty.
8	88263	Grease Fitting, 1/8 NPT	1
9	88304	Lock Nut, 1/2 NF	1
10	88313	Bolt, 1/2 NF x 3 GR 5	1
11	41232	Spindle	1
12	26121	Triple Lip Seal Kit	1
	25585	Triple Lip Seal (1.62 ID)	
	25586	Wear Sleeve	
	76333	Assembly Instructions	
13	11378	Inner Bearing Cone	1
14	11379	Inner Bearing Cup	1
15	88142	Wheel Bolt, 1/2 NF x 1	6

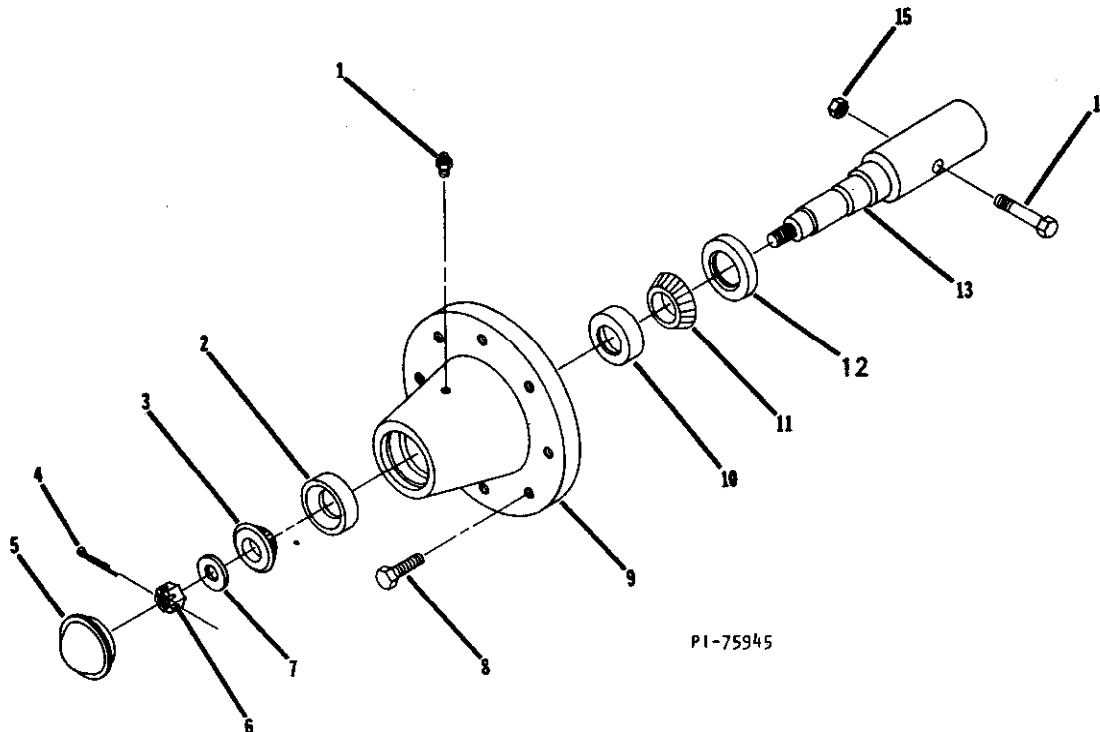


PI-75092

2" HUB & SPINDLE

Item	Part #	Description	Qty.
	14131	Hub & Spindle Assy (Items 1-8, 11-15)	
1	11381	Dust Cap	1
2	88301	Cotter Pin, 3/16 x 1-1/2	1
3	88340	Slotted Nut, 7/8 NC	1
4	16094	Spindle Washer, 7/8	1
5	10345	Outer Bearing Cone	1
6	10344	Outer Bearing Cup	1
7	24097	2" Machined Hub (Includes Items 6, 8 & 14)	1

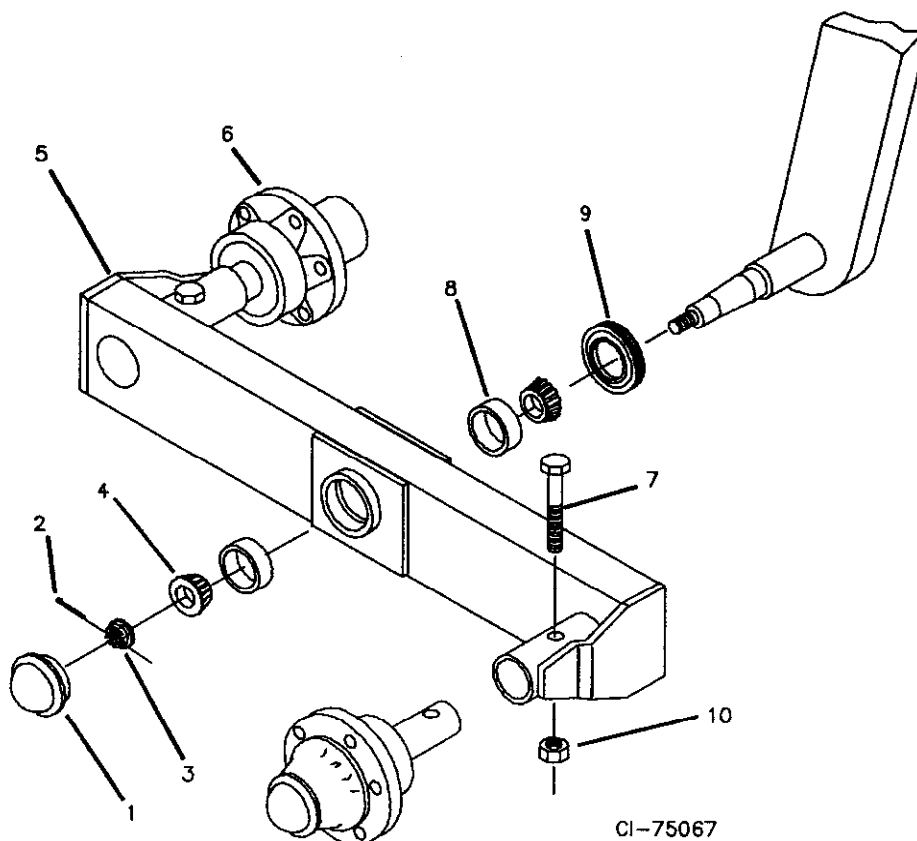
Item	Part #	Description	Qty.
8	88263	Grease Fitting, 1/8 NPT	1
9	88429	Bolt, 1/2 NF x 3-1/4 GR 5	1
10	88304	Lock Nut, 1/2 NF	1
11	14251	Spindle	1
12	14247 58546	Seal	1
13	14248	Outer Bearing Cone	1
14	14249	Outer Bearing Cup	1
15	88142	Wheel Bolt, 1/2 NF x 1	6



2-1/2" HUB & SPINDLE

Item	Part #	Description	Qty.
	16154	Hub & Spindle Assy (Items 1-13)	
1	88143	Grease Fitting, 1/4	1
2	16082	Outer Bearing Cup	1
3	16081	Outer Bearing Cone	1
4	88301	Cotter Pin, 3/16 x 1-1/2	1
5	16077	Hub Cap	1
6	88299	Slotted Nut, 1 NF	1
7	88196	Flat Washer, 1"	1

Item	Part #	Description	Qty.
8	88456	Wheel Bolt, 9/16 NF x 1	1
9	41054	8 Bolt Hub, Machined (Includes Items 1, 2 & 10)	1
10	16084	Inner Bearing Cup	1
11	16083	Inner Bearing Cone	1
12	16080	2-1/2" Spindle Seal	1
13	16156	2-1/2" Spindle	1
14	88298	Bolt, 5/8 NC x 4 GR 5	1
15	88369	Lock Nut, 5/8 NC	1

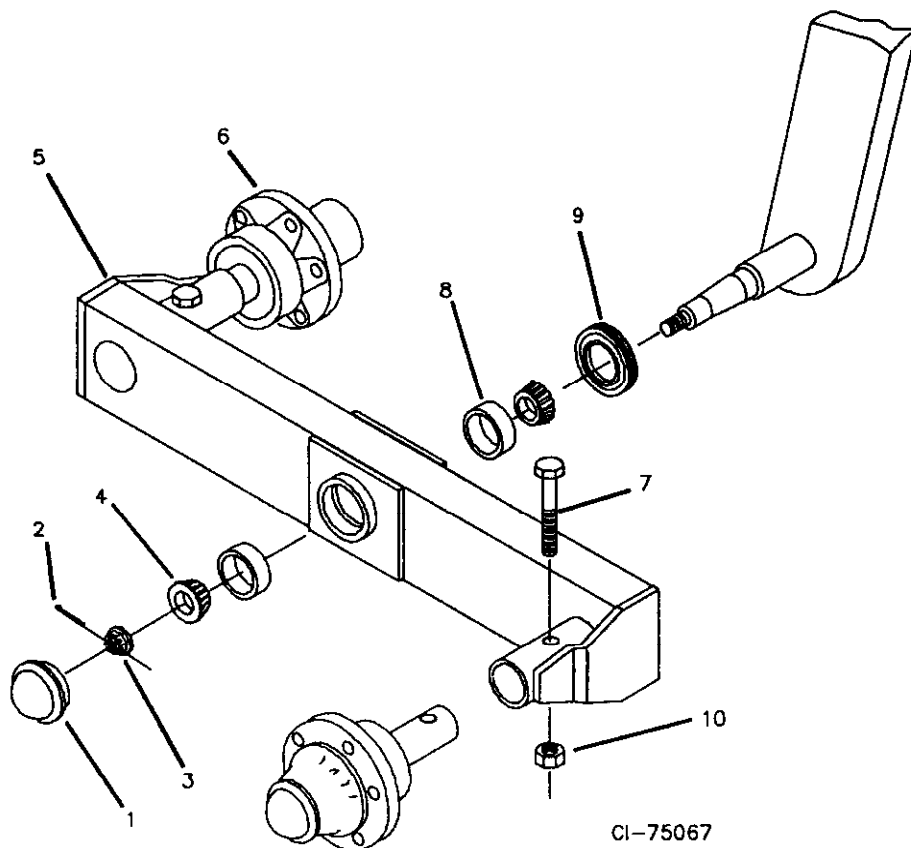


CI-75067

1-3/4" WALKING TANDEM

Item	Part No.	Description	Qty.
1	12206	Dust Cap	1
2	88133	Cotter Pin, 3/16 x 2	1
3	12712	Walking Tandem Nut Assy	1
4	12103	Bearing Cone	2
5	12681	16" Walking Tandem	1
		Bearing Cup Assembly (Includes Item 8)	
	14838	20" HC Walking Tandem	1
		Bearing Cup Assembly (Includes Item 8)	

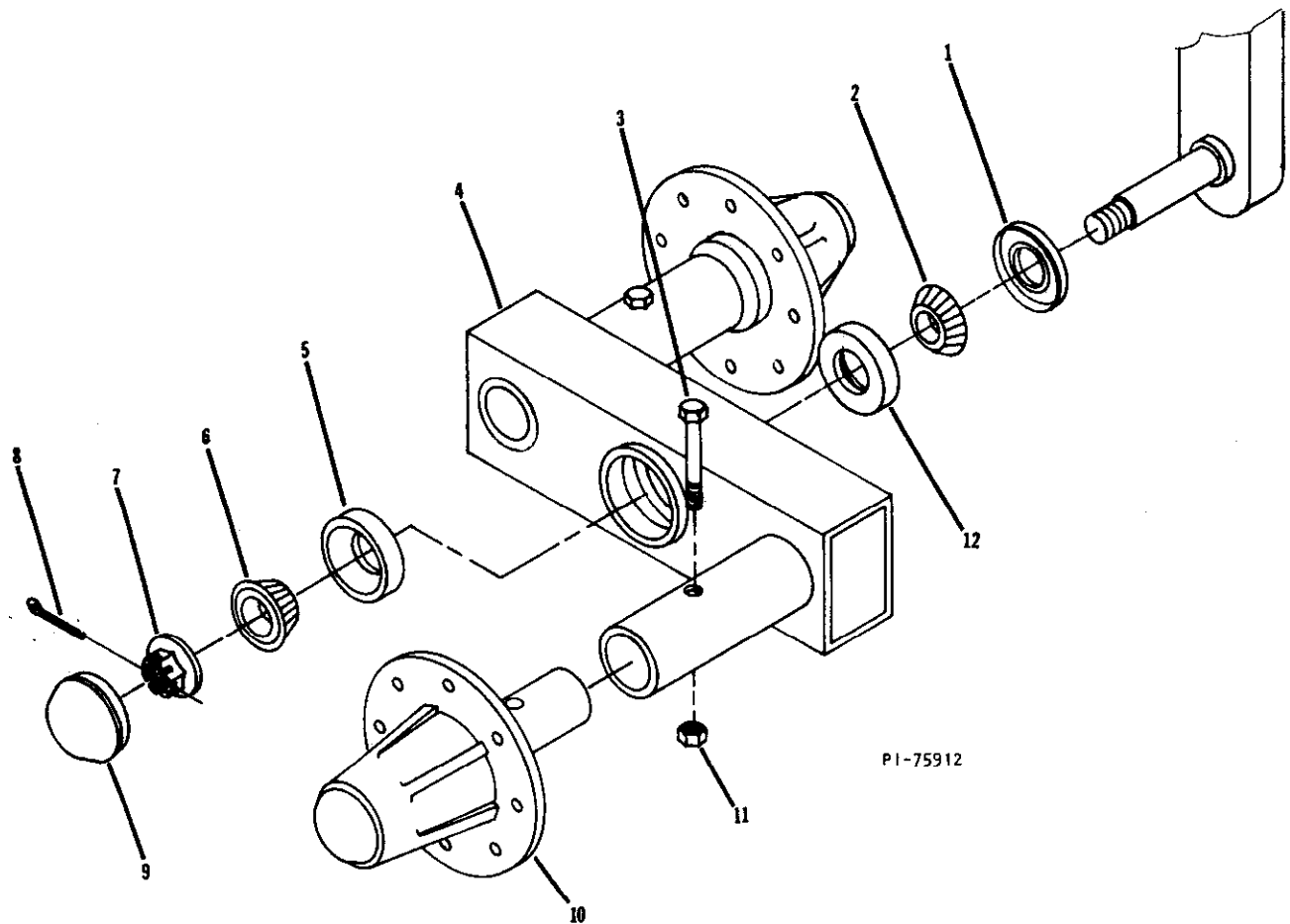
Item	Part No.	Description	Qty.
6	41233	1-3/4" Hub & Spindle	2
7	88313	Bolt, 1/2 NF x 3 GR 5	2
8	12104	Bearing Cup	2
9	23733	Seal	1
10	88304	Lock Nut, 1/2 NF	2



2" WALKING TANDEM

Item	Part #	Description	Qty.
1	12206	Dust Cap	1
2	88133	Cotter Pin, 3/16 x 2	1
3	12712	Walking Tandem Nut Assy	1
4	12103	Bearing Cone	2
5	15905	16" Walking Tandem Bearing Cup Assy (Includes Item 8)	1
	18211	20" HC Walking Tandem Bearing Cup Assy (Includes Item 8)	1

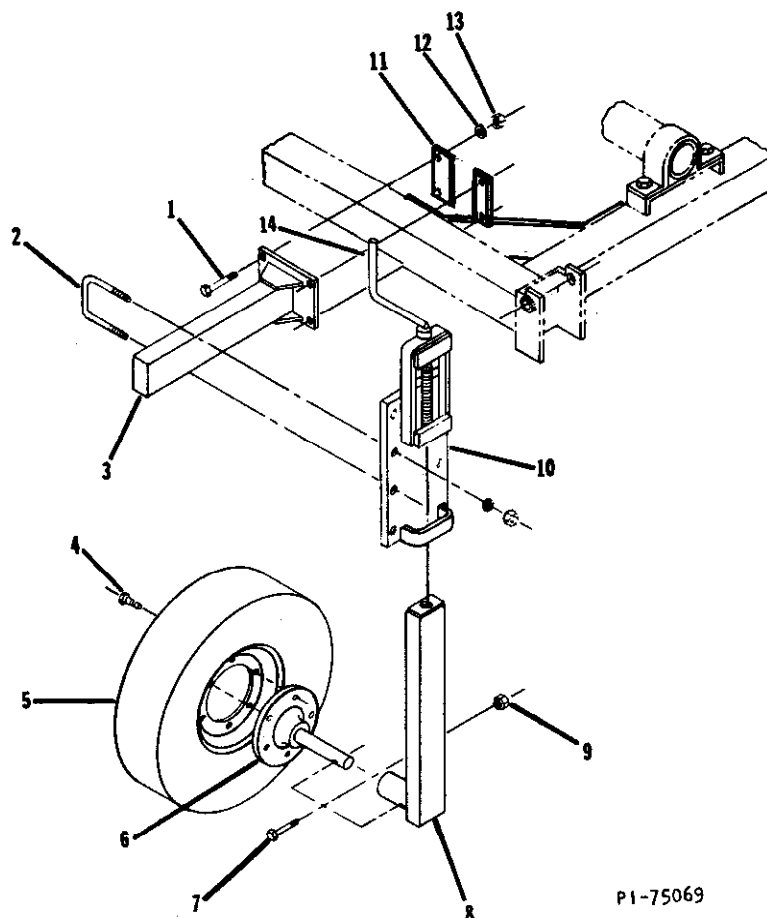
Item	Part #	Description	Qty.
6	14131	2" Hub & Spindle Assy	2
7	88429	Bolt, 1/2 NF x 3-1/4 GR 5	2
8	12104	Bearing Cup	2
9	23733	Seal	1
10	88304	Lock Nut, 1/2 NF	2



2-1/2" WALKING TANDEM

Item	Part #	Description	Qty.
1	16080	2.500x3.875 Single Lip ID Seal	1
	23916	2.496x3.672 Triple Lip OD Seal	1
2	16083	Bearing Cone, Inner	1
3	88298	Bolt, 5/8 NC x 4 GR 5	2
4	20756	Walking Tandem Bearing Cup Assembly (Includes Items 5 & 12)	1
5	12104	Bearing Cup	1
6	12103	Bearing Cone	1

Item	Part #	Description	Qty.
7	12712	Walking Tandem Nut Assy	1
8	88133	Cotter Pin, 3/16 x 2	1
9	12206	Dust Cap	1
10	16154	2-1/2" Hub & Spindle	2
11	88369	Lock Nut, 5/8 NC	2
12	16084	Bearing Cup, Inner	1

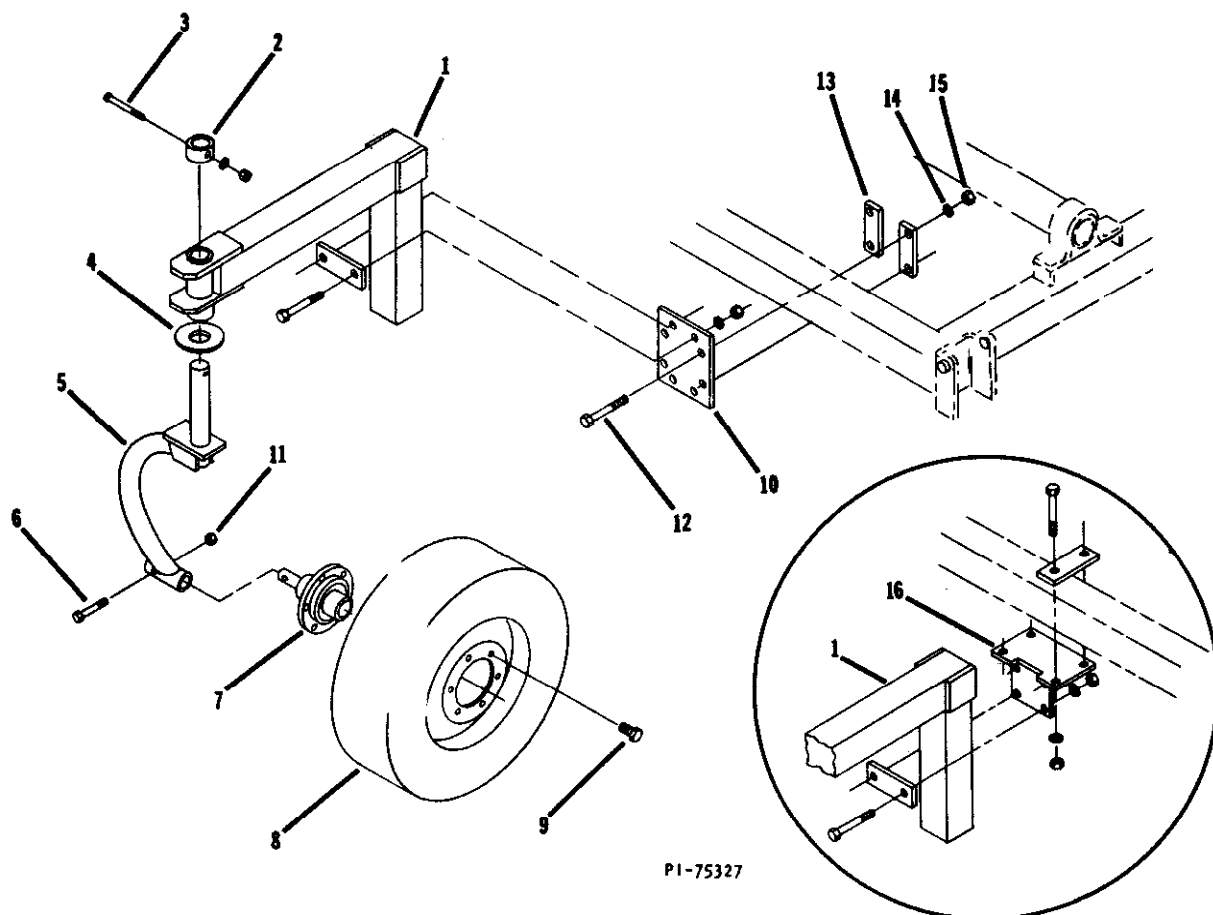


P1-75069

GAUGE WHEEL

Item	Part #	Description	Qty.
1	16140	Gauge Wheel Group W/Rims	
	19268	Gauge Wheel Group W/Tires	
	88837	5/8NCx6-1/2 Hex Bolt	4
	88383	5/8NCx7 Hex Bolt	4
2	88388	U-Bolt, 5/8 NC x 4 x 3-1/4	4
3	15321	Gauge Wheel Mount	2
4	88142	Wheel Bolt, 1/2 NF x 1	12
5	10236	Wheel Rim, 15 x 6	2
10287	11950	Tire, 9:5L x 15	2
	11956	Tube, 7-60/9:5L x 15	2

Item	Part #	Description	Qty.
6	41233	1-3/4" Hub & Spindle	2
7	88313	Bolt, 1/2 NF x 3 GR 5	2
8	15037	Axle Leg	2
9	88304	Lock Nut, 1/2 NF	2
10	15040	Gauge Wheel Bracket Assy	2
11	15627	Hinge Plate	2
12	88129	Lock Washer, 5/8	16
13	88126	Nut, 5/8 NC	16
14	14452	Crank Assembly	2

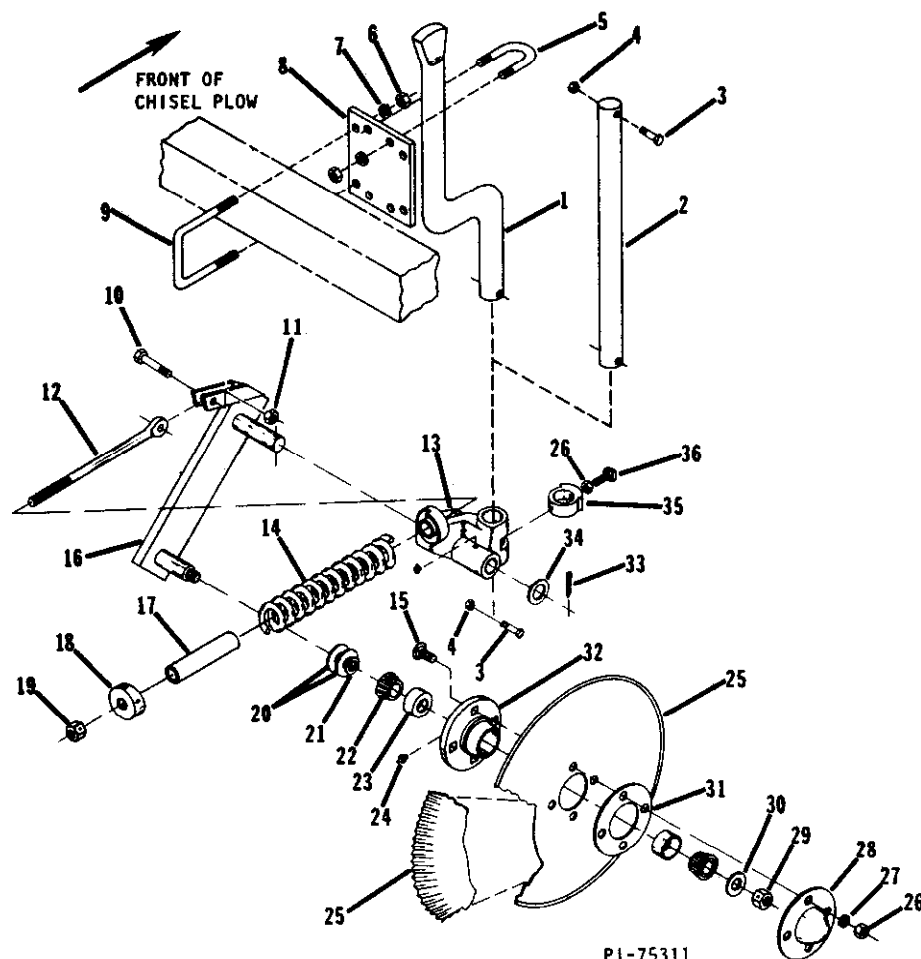


PI-75327

CASTERING GAUGE WHEEL

Item	Part No.	Description	Qty.
	16286	Castering Gauge Wheel Group W/Rims	
	19270	Castering Gauge Wheel Group W/Tires	
1	15931	Caster Wheel Arm	2
2	14189	Stop Collar	2
3	88412	Bolt, 3/8 NC x 3-1/2 GR 5	2
4	19262	Shim	2
5	16312	Caster Wheel Leg	2
6	88313	Bolt, 1/2 NF x 3 GR 5	2
7	41233	1-3/4" Hub & Spindle	2
8	13142	9:5L x 15 Tire Assembly (Optional)	2

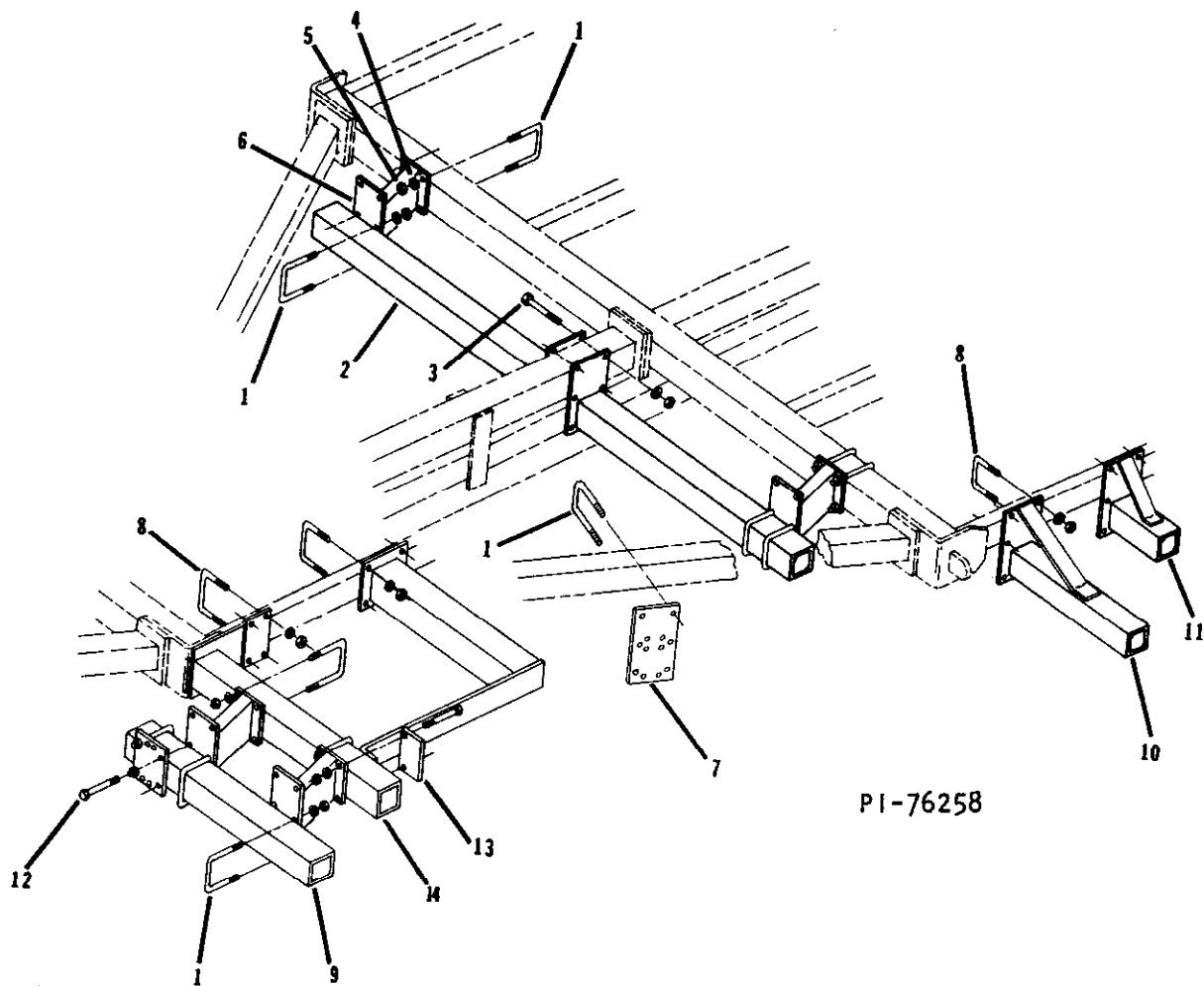
Item	Part No.	Description	Qty.
9	88142	Wheel Bolt, 1/2 NF x 1 90° Head	12
10	16321	Mounting Plate	2
11	88304	Lock Nut, 1/2 NF	2
12	88295	Bolt, 5/8 NC x 6 GR 5	16
13	15627	Hinge Plate	8
14	88129	Lock Washer, 5/8	16
15	88126	Nut, 5/8 NC	16
16	19423	Shallow Tillage Bracket	2



CHISEL PLOW COULTER

Item	Part No.	Description	Qty.
	19443	20" Crank Coulter L/Blade	
	19449	20" Shaft Coulter L/Blade	
	19444	20" Rippled Crank Coulter	
	19445	20" Plain Crank Coulter	
	19455	20" Plain Shaft Coulter	
	19456	20" Rippled Shaft Coulter	
	16126	Stop Collar Assembly (Ref Items 26, 35, 36)	
1	19440	CP Crank Coulter Shaft	1
2	19438	Coulter Shaft	1
3	88679	Bolt, 1/2 NC x 2	2
4	88363	Lock Nut, 1/2 NC	2
5	88455	U-Bolt, 5/8 NC x 1-1/2 RD x 3	2
6	88126	Nut, 5/8 NC	8
7	88129	Lock Washer, 5/8	8
8	16032	Plate	1
9	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	2
10	19948	Spring Bolt	1
11	88363	Lock Nut, 1/2 NC	1
12	15531	Adjustment Rod	1
13	15528	Machined Coulter Casting	1
14	15529	Spring	1

Item	Part No.	Description	Qty.
15	88445	Carriage Bolt, 1/2 NC x 1-1/2	4
16	15523	Coulter Arm Assembly	1
17	15907	Spring Tube	1
18	15530	Top Spring Cap	1
19	88369	Lock Nut, 5/8 NC	1
20	88439	Flat Washer, 1-1/4 x 2-1/4	2
21	88440	Flat Washer, 1-1/4 x 1-7/8	1
22	19996	Sealed Bearing	2
23	10344	Bearing Cup	2
24	88263	Grease Fitting, 1/8 NPT	2
25	14400	20" Rippled Disc	1
	14957	20" Plain Disc	1
26	88104	Nut, 1/2 NC	5
27	88303	Lock Washer, 1/2	4
28	14367	Dust Cover	1
29	88306	Lock Nut, 3/4 NF	1
30	88131	Flat Washer, 3/4	1
31	15471	Coulter Gasket	1
32	19998	Coulter Hub	1
33	88133	Cotter Pin, 3/16 x 2	1
34	88449	Machinery Bushing, 1-1/4 ID x 10 GA	1
35	15534	Stop Collar	1
36	88454	Sq. Head Set Screw, 1/2 NC x 1-1/2	1

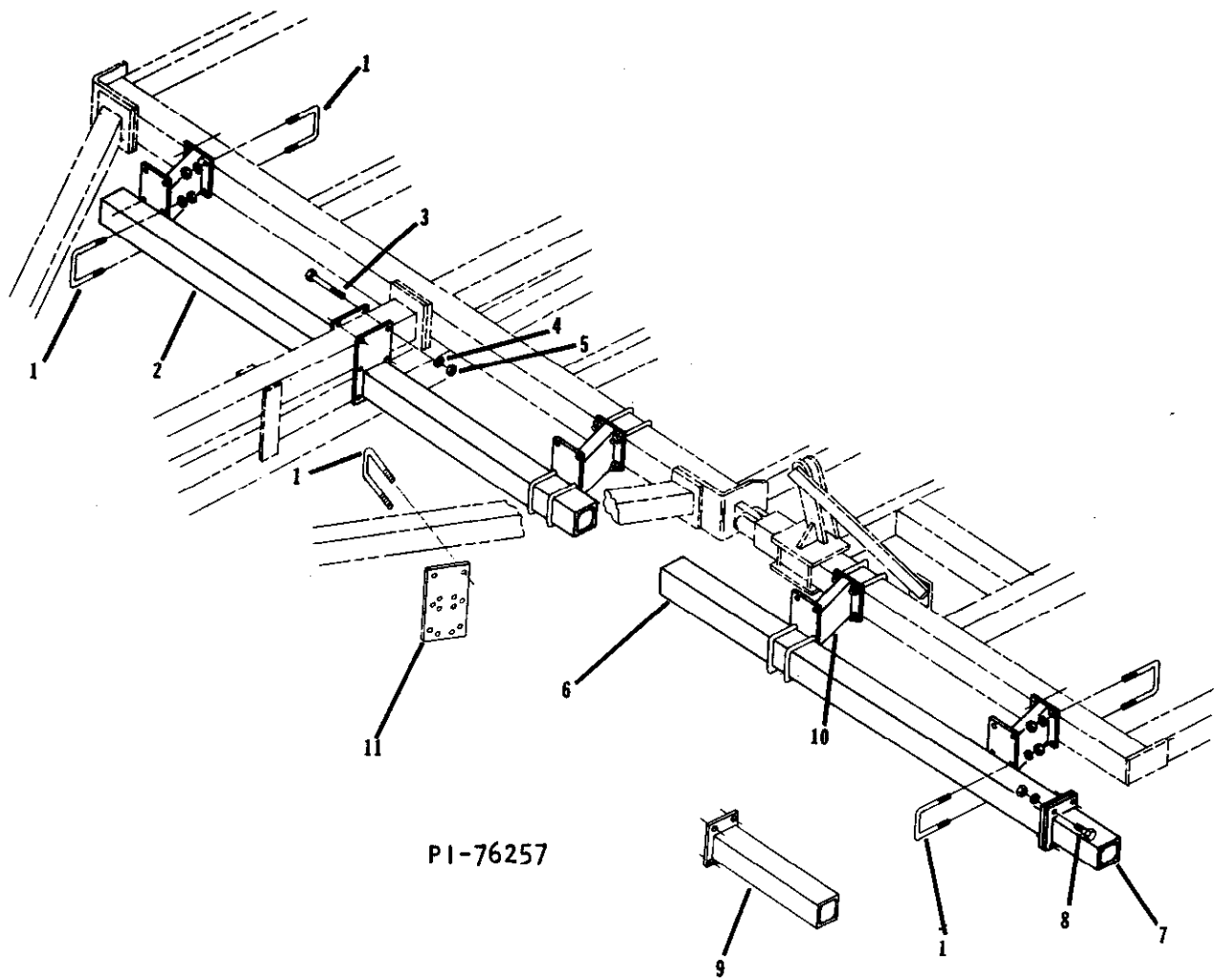


PI-76258

COULTER BAR (HC 10CPW 10-16)

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	*
2	21709	Main Frame Coulter Bar	2
3	88295	Bolt, 5/8 NC x 6 GR 5	*
4	88129	Lock Washer, 5/8	*
5	88126	Nut, 5/8 NC	*
6	21532	Coulter Mounting Bracket	*
7	21710	Coulter Mounting Plate	2
8	88388	U-Bolt, 5/8 NC x 4 x 3-1/4 (12' & 14')	*
* = Quantity Dependent On Unit Size			

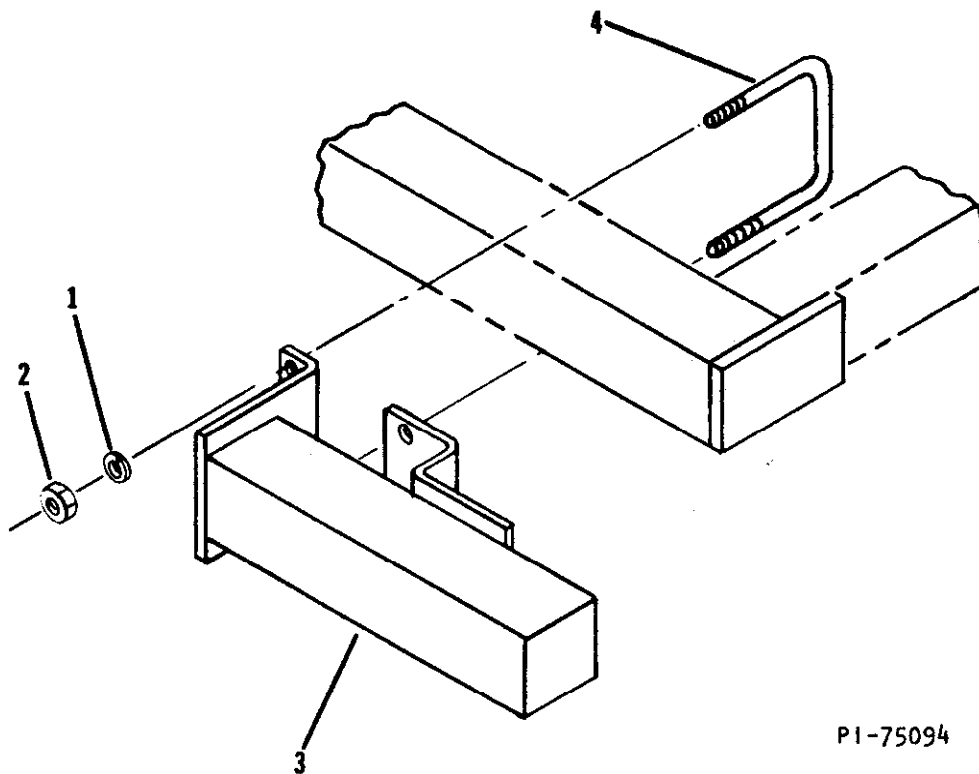
Item	Part #	Description	Qty.
9	21530	3' Coulter Bar (16' Only)	2
10	21705	2' Coulter Stub (14' Only)	2
11	21707	1' Coulter Stub (12' Only)	2
12	88383	Bolt, 5/8 NC x 7 GR 5 (16' Only)	4
13	16266	Strap (16' Only)	2
14	14459	3' Stub	2



COULTER BAR (HC 10CPW 22-26)

Item	Part #	Description	Qty.
1	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	16
2	21709	Main Frame Coulter Bar	2
3	88295	Bolt, 5/8 NC x 6 GR 5	4
4	88129	Lock Washer, 5/8 (22')	32
	88129	Lock Washer, 5/8 (24' & 26')	40
5	88126	Nut, 5/8 NC (22')	32
	88126	Nut, 5/8 NC (24' & 26')	40

Item	Part #	Description	Qty.
6	21531	6' Coulter Bar	2
7	13963	1' Stub (24' Only)	2
8	88294	Bolt, 5/8 NC x 2 GR 5 (24' & 26' Only)	8
9	16061	2' Coulter Bar Stub (26' Only)	2
10	21532	Coulter Mounting Bracket	6
11	21710	Coulter Mounting Plate	2

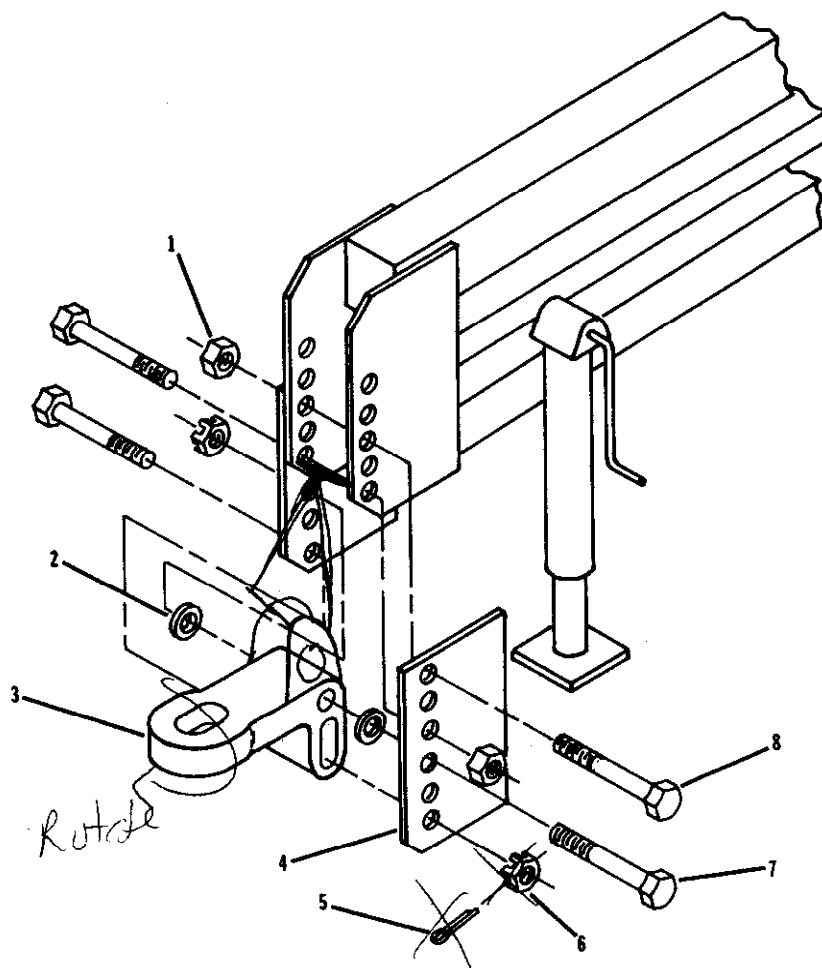


PI-75094

SHANK EXTENSION

Item	Part #	Description	Qty.
1	14877	Shank Extension Kit	8
2	88129	Lock Washer, 5/8	8
	88126	Nut, 5/8 NC	8

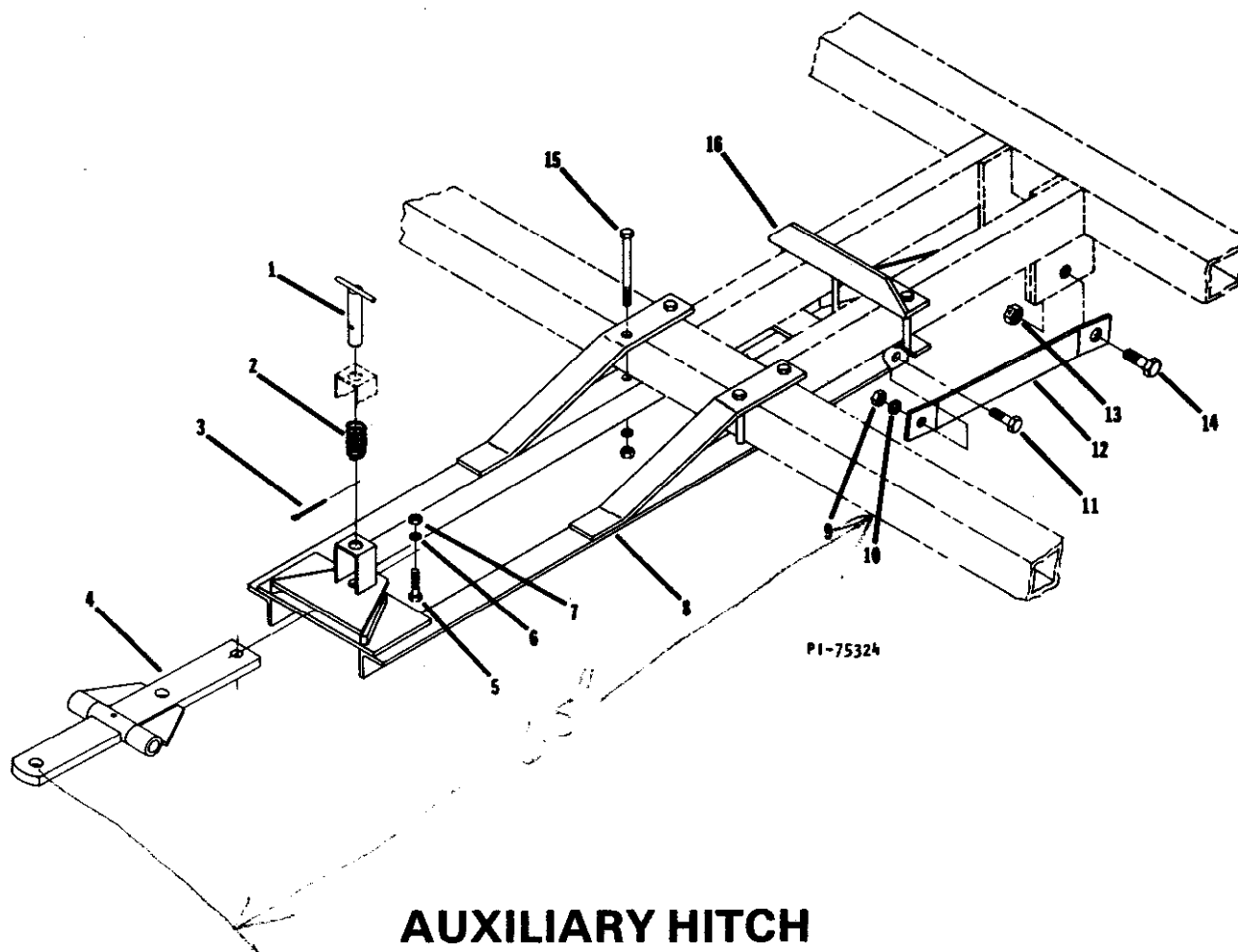
Item	Part #	Description	Qty.
3	14875	Shank Extension	2
4	88145	U-Bolt, 5/8 NC x 4 x 5-1/4	4



SHALLOW TILLAGE KIT

Item	Part #	Description	Qty.
	16147	Shallow Tillage Kit (Items 1, 2, 4 & 8)	
1	88430	Lock Nut, 1-1/4 NC	3
2	16146	Bushing	2
3	18236	Cast Dual Hitch (NOT INCLUDED)	1

Item	Part #	Description	Qty.
4	16145	Hitch Plate Extension	2
5	88133	Cotter Pin, 3/16 x 2	1
6	88350	Slotted Nut, 1-1/4 NC	1
7	11638	Hitch Bolt	1
8	88427	Bolt, 1-1/4 NC x 8 GR 5	3



AUXILIARY HITCH

Item	Part No.	Description	Qty.
	18448	CP Auxiliary Hitch	
1	15922	Pin Assembly	1
2	15940	Spring	1
3	88101	Cotter Pin, 1/4 x 2-1/2	1
4	18443	Hinged Tongue Assembly	1
5	88294	Bolt, 5/8 NC x 2 GR 5	1
6	88129	Lock Washer, 5/8	8
7	88126	Nut, 5/8 NC	8
8	18447 48942	Chisel Plow Hitch Frame Assy	1

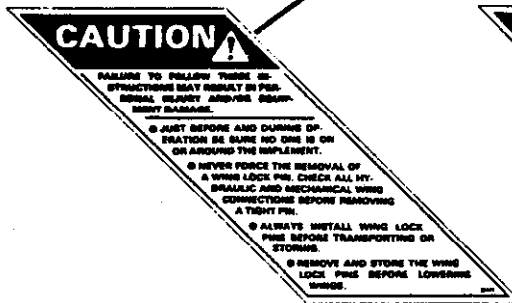
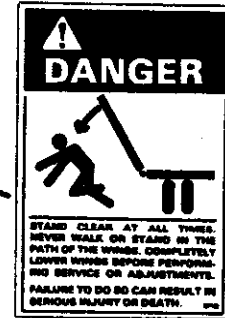
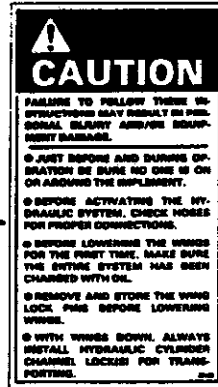
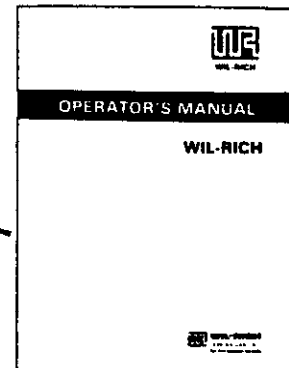
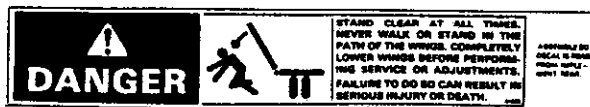
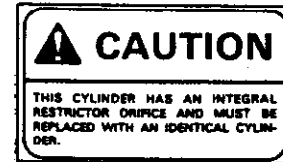
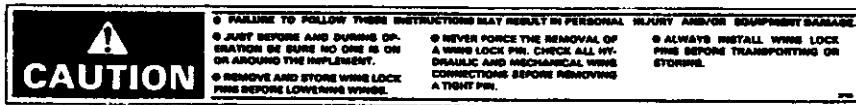
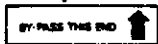
Item	Part No.	Description	Qty.
9	88110	Nut, 3/4 NC	3
10	88130	Lock Washer, 3/4	3
11	88290	Bolt, 3/4 NC x 2 GR 8	2
12	18440	Pole Strap	2
13	88348	Lock Nut, 1 NC	2
14	88393	Bolt, 1 NC x 2-1/2 GR 5	2
15	88295	Bolt, 5/8 NC x 6 GR 5	7
16	18436	Angle Clamp	1

SCALS



WIL-RICH

4400

ADJUST SCREW
STOPS EVENLY

<u>Item</u>	<u>Part No</u>	<u>Description</u>	<u>Item</u>	<u>Part No</u>	<u>Description</u>
644021	18298	Wil-Rich Logo 3/4 x 9	7	20119	Screw Stop Adjust Decal
64403	18299	Wil-Rich Logo 1-1/8 x 13	8	20339	Bypass Decal
64404	18300	Wil-Rich Logo 1-3/4 x 20	9	41507	Angled Wing Lock Danger Decal
2	22415	4400 Decal	10	22125	Wing Lock Caution Decal
3	22126	Hitch Plate Caution Decal	11	20121	Integral Restrictor Decal
4	22128	Hitch Plate Danger Decal	12	41508	Wing Lock Danger Decal
5	23325	Caution Decal - Read Operators Manual	13	22371	Red Reflector
6	22127	Angled Wing Lock Caution Decal	14	22372	Amber Reflector
			15	74116	4400 Chisel Plow Operators Manual