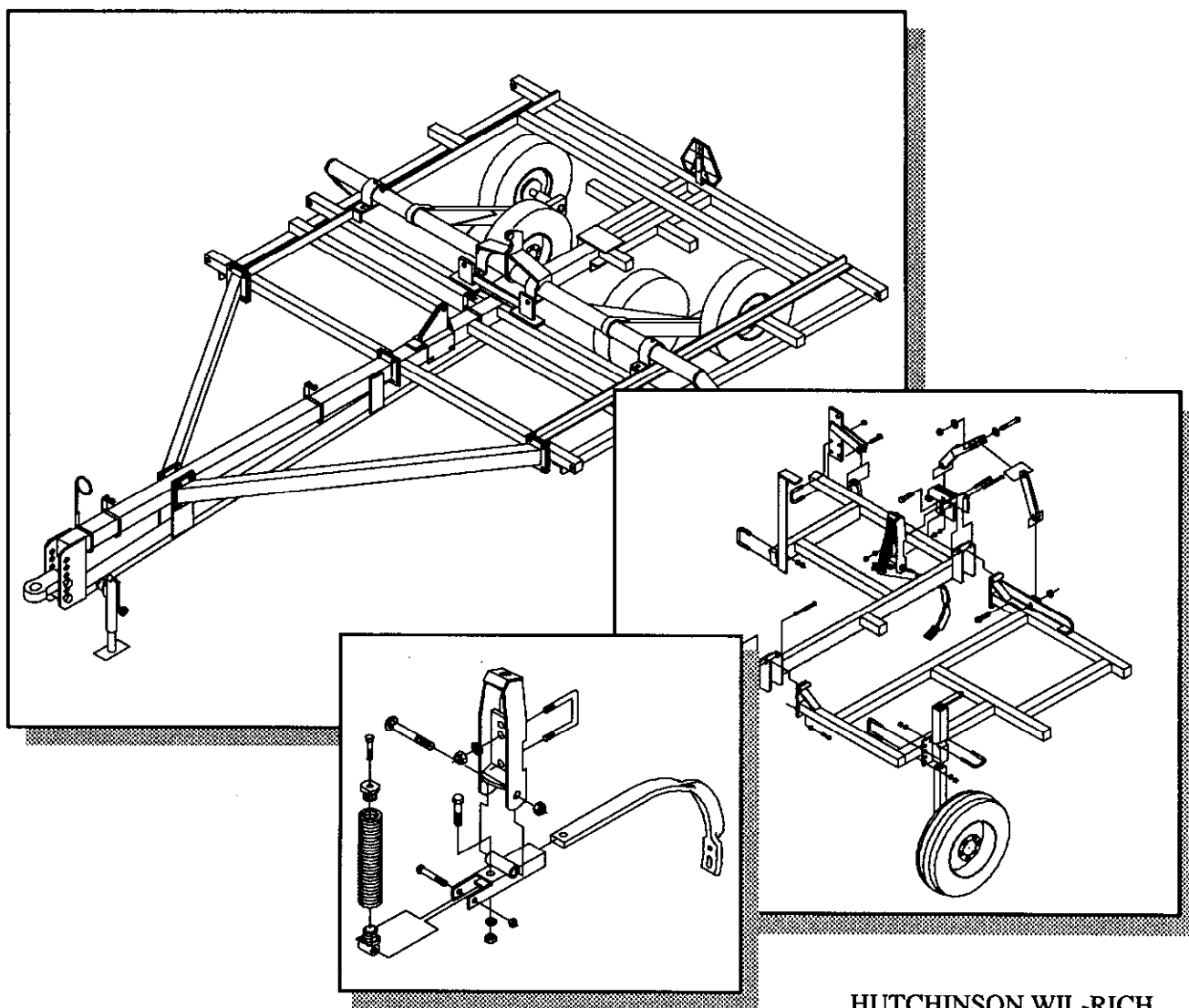




WIL-RICH®

2800 FIELD CULTIVATOR PARTS



HUTCHINSON WIL-RICH
MANUFACTURING COMPANY
P.O. BOX 1030 WAHPETON, ND 58074
(701) 642-2621
PARTS FAX - (701) 642-3819

WARRANTY

The only warranty Hutchinson Wil-Rich Manufacturing Company 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.**

Hutchinson Wil-Rich Manufacturing Company 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 Hutchinson Wil-Rich Manufacturing Company.

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 DELIVERY REPORT FORM MUST BE FILLED OUT AND RECEIVED BY HUTCHINSON WIL-RICH MANUFACTURING COMPANY TO INITIATE THE WARRANTY COVERAGE.

WARRANTY CLAIMS PROCEDURE

1. The warranty form must be returned to Hutchinson Wil-Rich Manufacturing Company within fifteen (15) working days from the repair date.
2. Parts returned to Hutchinson Wil-Rich Manufacturing Company 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 Hutchinson Wil-Rich Manufacturing Company Sales Representatives, District Sales Managers or Service Representatives within the ninety (90) day retaining period.

CONTENTS

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.

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 Hutchinson Wil-Rich Manufacturing Company 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 the obligation to make such changes, improvements and modifications on any equipment sold previously.

ABBREVIATIONS

ASSY	Assembly
BLD	Blade
BRKT	Bracket
CTR	Center
GR	Grade
HD	Heavy Duty
HDWE	Hardware
HYD	Hydraulic
LH	Left Hand Thread
MTG	Mounting
NC	National Course Thread
NF	National Fine Thread
NPT	National Pipe Thread
RH	Right Hand
SP	Short Pole
SS	Screw Stop
TA	Tandem
TBP	Top By-Pass

10' FCW Main Frame	1-2
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Main Pole	7-8
5' & 6-1/2' Wing	9-10
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10-1/2' Wing	13-14
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13' & 17'MF, 8'&10-1/2' Wings	19
13' & 17' HD MF, 8&10-1/2' Wing	20

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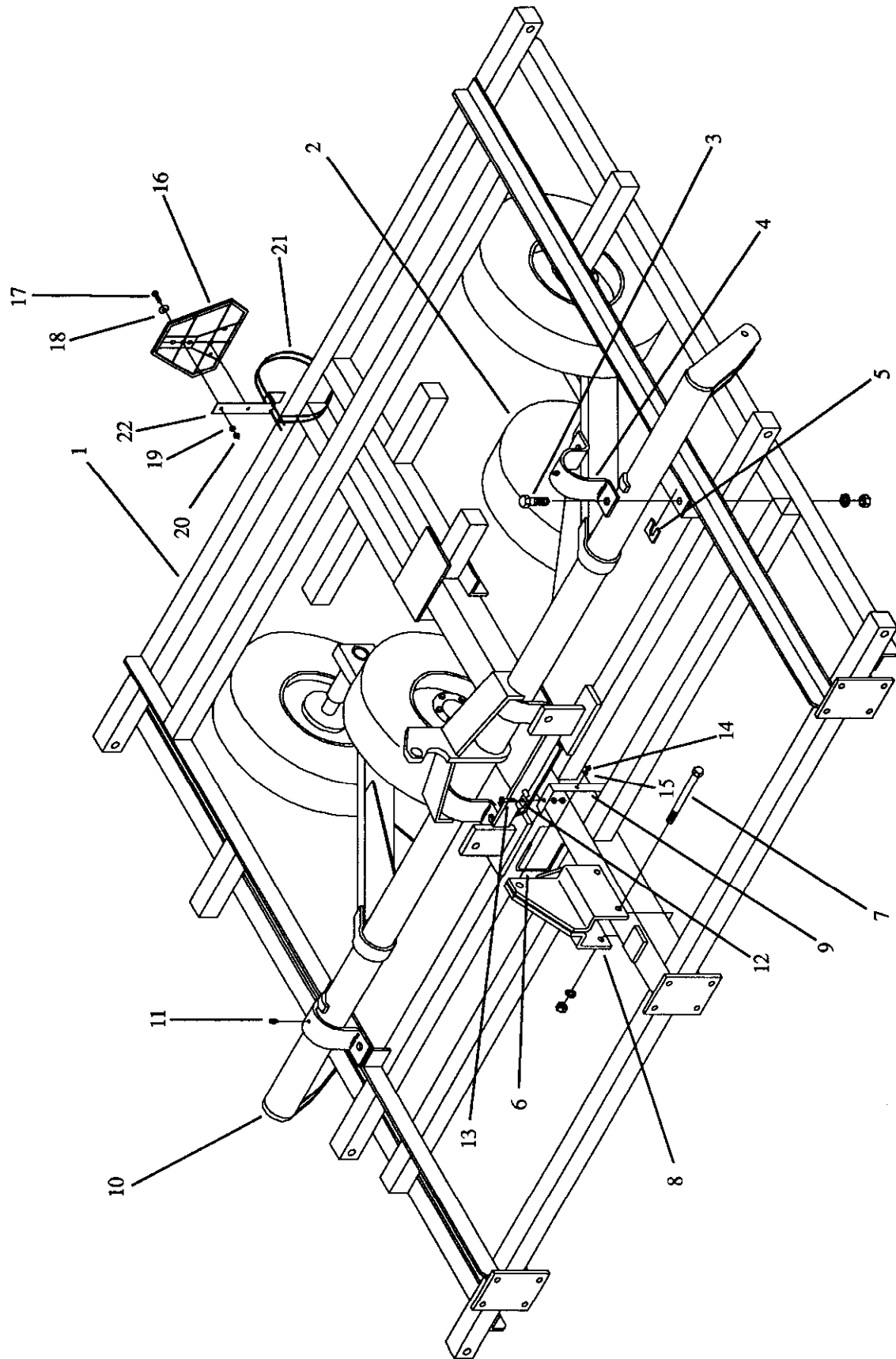
4 X 8 Screw Stop	21
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10' FCW MAIN FRAME

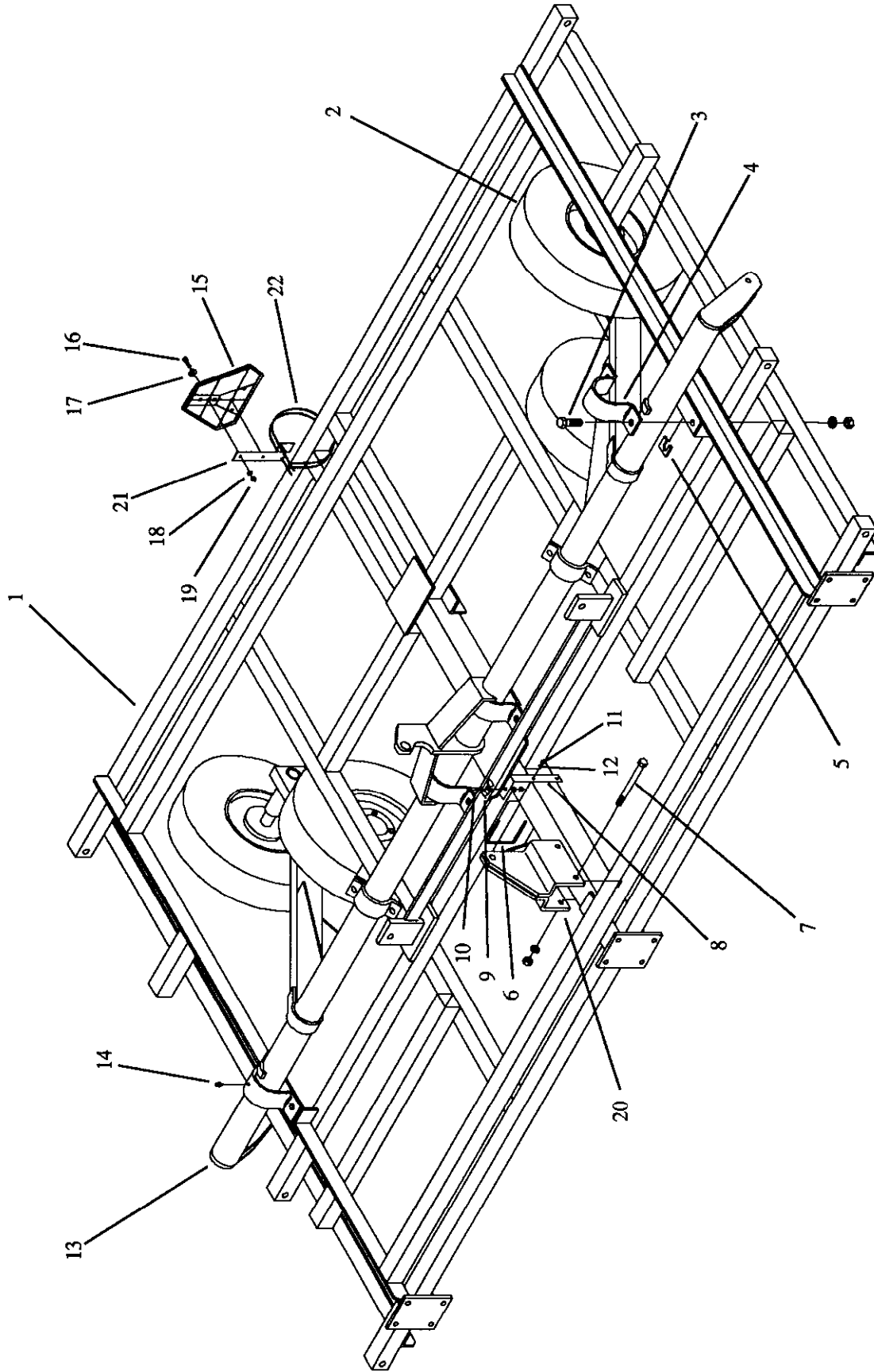


CL-78377

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO	DESCRIPTION
1	54150	10FCW Overcenter Main Frame	10	15406	Tandem Main Axle Assembly w/Walker
2	13141	760x15 Wheel Assembly		15297	10FCW Tandem Main Axle Assy less Walker
	10236	15x6 Wheel Rim			(See page 36 for Walker parts breakdown.)
	11949	760x15 6Ply Tire	11	88263	1/8NPT Grease Fitting
	30784	Valve Stem Assembly	12	13215	Tube Clamp
	13142	95Lx15 Wheel Assembly 6"	13	88553	3/8NCx1-1/2 GR5 Bolt
	16287	96Lx15 8Ply Tubeless Tire	14	88103	3/8NC Nut
		(See page 34 for Hub & Spindle parts breakdown.)	15	88362	3/8 Lock Washer
3	88495	7/8NCx2-1/2 GR5 Bolt	16	30651	SMV Emblem
4	10399	Axle Cap	17	88351	1/4NCx3/4 GR5 Bolt
5	10176	Spacer	18	88261	1/4 Flat Washer
6	88385	3/8x4x4-3/4 U-Bolt	19	88262	1/4 Lock Washer
7	88293	3/4NCx6 GR5 Bolt	20	88172	1/4NC Nut
8	13222	Main Cylinder Anchor	21	33096	Tie Wrap
			22	41359	SMV Bracket

STANDARD NUTS AND LOCK WASHERS		
88172	1/4NC Nut	88262 1/4 Lock Washer
88103	3/8NC Nut	88362 3/8 Lock Washer
88104	1/2NC Nut	88303 1/2 Lock Washer
88126	5/8NC Nut	88129 5/8 Lock Washer
88110	3/4NC Nut	88130 3/4 Lock Washer
88371	7/8NC Nut	88341 7/8 Lock Washer

13' FCW MAIN FRAME

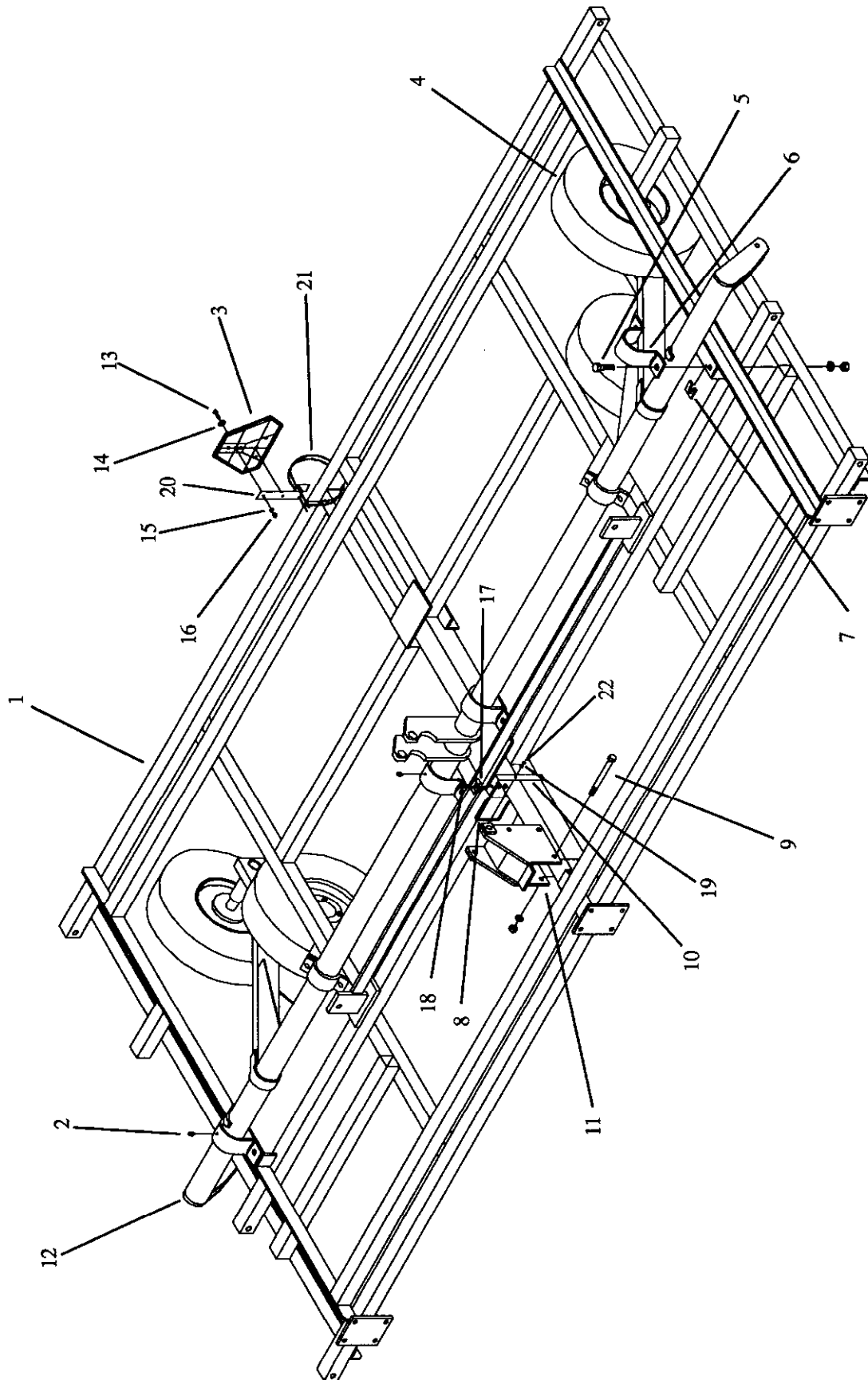


CI-78380

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54170	13FCW Overcenter Main Frame	9	13215	Tube Clamp
2	13141	760x15 Wheel Assembly	10	88553	3/8NCx1-1/2 GR 5 Bolt
	10236	15x6 Wheel Rim	11	88103	3/8NC Nut
	11949	760x15 6Ply Tire	12	88362	3/8 Lockwasher
	30784	Valve Stem Assembly	13	15407	Tandem Main Axle Assembly w/Walker
	13142	95Lx15 Wheel Assembly		15397	13FCW Tandem Main Axle less Walker
	16287	95Lx15 8Ply Tubeless Tire			(See page 36 for Walker parts breakdown.)
	16290	96Lx15 Wheel Assembly 8"	14	88263	1/8NPT Grease Fitting
	10498	15x8 Wheel Rim 6BLT	15	30651	SMV Emblem
		(See page 34 for Hub & Spindle parts breakdown.)	16	88351	1/4NCx3/4 Bolt
3	88495	7/8NCx2-1/2 GR5 Bolt	17	88261	1/4 Flat Washer
4	10399	Axle Cap	18	88262	1/4 Lock Washer
5	10176	Spacer	19	88172	1/4NC Nut
6	88385	3/8NCx4x4-3/4 U-Bolt	20	13222	Main Cylinder Anchor
7	88293	3/4NCx6 GR5 Bolt		13227	HD Main Cylinder Anchor
8	13270	Pole Tube Bracekt	21	41359	SMV Bracket
			22	33096	Tie Wrap

STANDARD NUTS AND LOCK WASHERS	
88172	 1/4NC Nut
88103	 3/8NC Nut
88104	 1/2NC Nut
88126	 5/8NC Nut
88110	 3/4NC Nut
88371	 7/8NC Nut
88262	 1/4 Lock Washer
88362	 3/8 Lock Washer
88303	 1/2 Lock Washer
88129	 5/8 Lock Washer
88130	 3/4 Lock Washer
88341	 7/8 Lock Washer

17' FCW MAIN FRAME



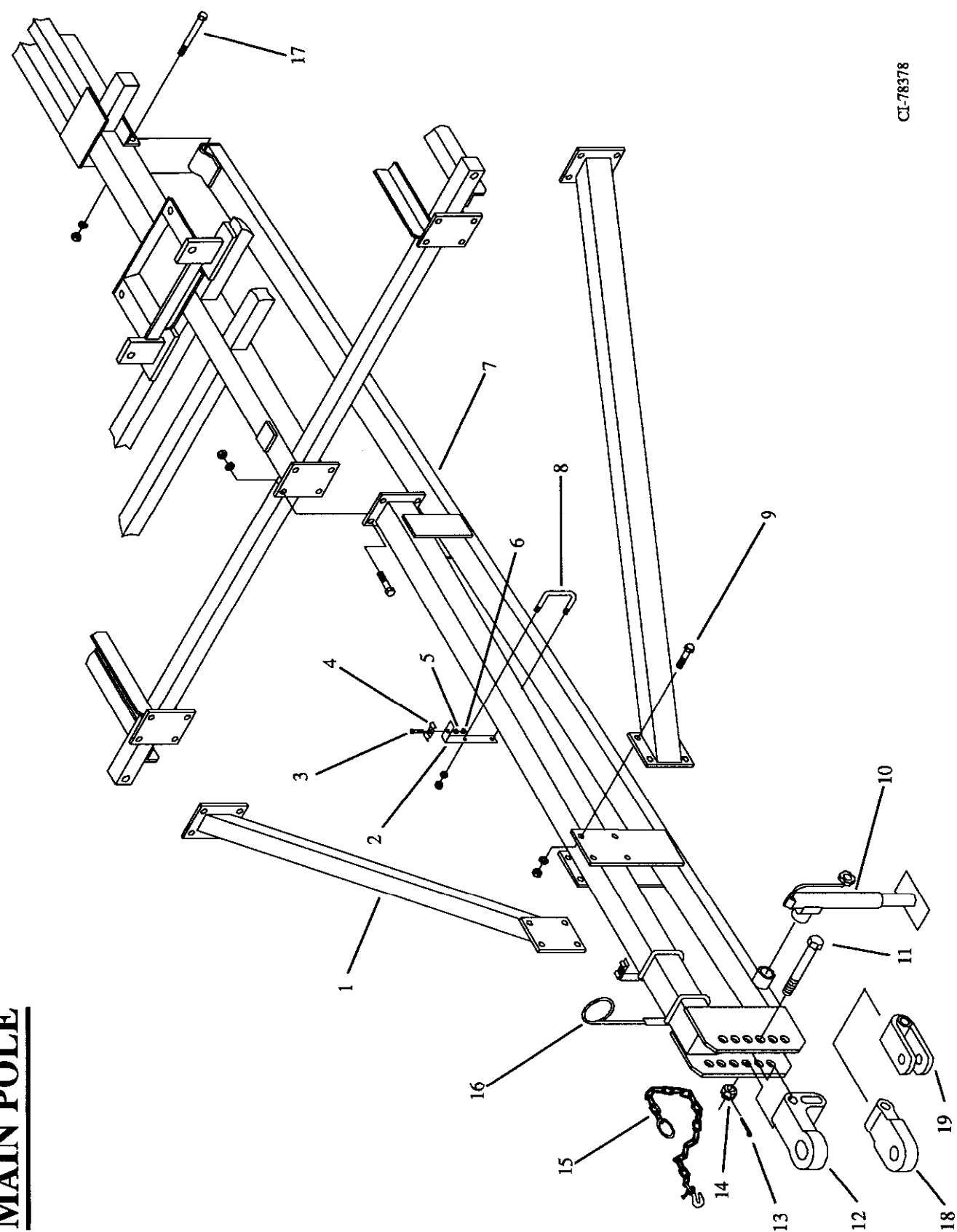
CL-78381

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54180	17FCW Overcenter Main Frame	12	15802	Modified 17FCW Main Axle Assy w/Walker
2	88263	1/8NPT Grease Fitting		15566	Modified 17FCW S2 Main Axle
3	30651	SMV Emblem			less Walking Tandem
4	16290	95Lx15 8Ply Wheel Assembly			(See page 37 for Walker parts breakdown.)
	10498	15x8 Wheel Rim	13	88351	1/4NCx3/4 Bolt
	16287	95Lx15 8Ply Tire	14	88261	1/4 Flat Washer
	30784	Valve Stem Assembly	15	88262	1/4 Lock Washer
		(See page 35 for Hub & Spindle parts breakdown.)	16	88172	1/4NC Nut
5	88495	7/8NCx2-1/2 GR 5 Bolt	17	13215	Tube Clamp
6	10399	Axle Cap	18	88553	3/8NCx1-1/2 GR5 Bolt
7	10176	Spacer	19	88362	3/8 Lock Washer
8	88385	3/4NCx4x4-3/4 U-Bolt	20	41359	SMV Bracket
9	88293	3/4NCx6 GR5 Bolt	21	33096	Tie Wrap
10	13270	Pole Tube Bracket	22	88103	3/8NC Nut
11	13227	HD Main Cylinder Anchor			

STANDARD NUTS AND LOCK WASHERS

88172	1/4NC Nut	88262	1/4 Lock Washer
88103	3/8NC Nut	88362	3/8 Lock Washer
88104	1/2NC Nut	88303	1/2 Lock Washer
88126	5/8NC Nut	88129	5/8 Lock Washer
88110	3/4NC Nut	88130	3/4 Lock Washer
88371	7/8NC Nut	88341	7/8 Lock Washer

MAIN POLE



CL-78378

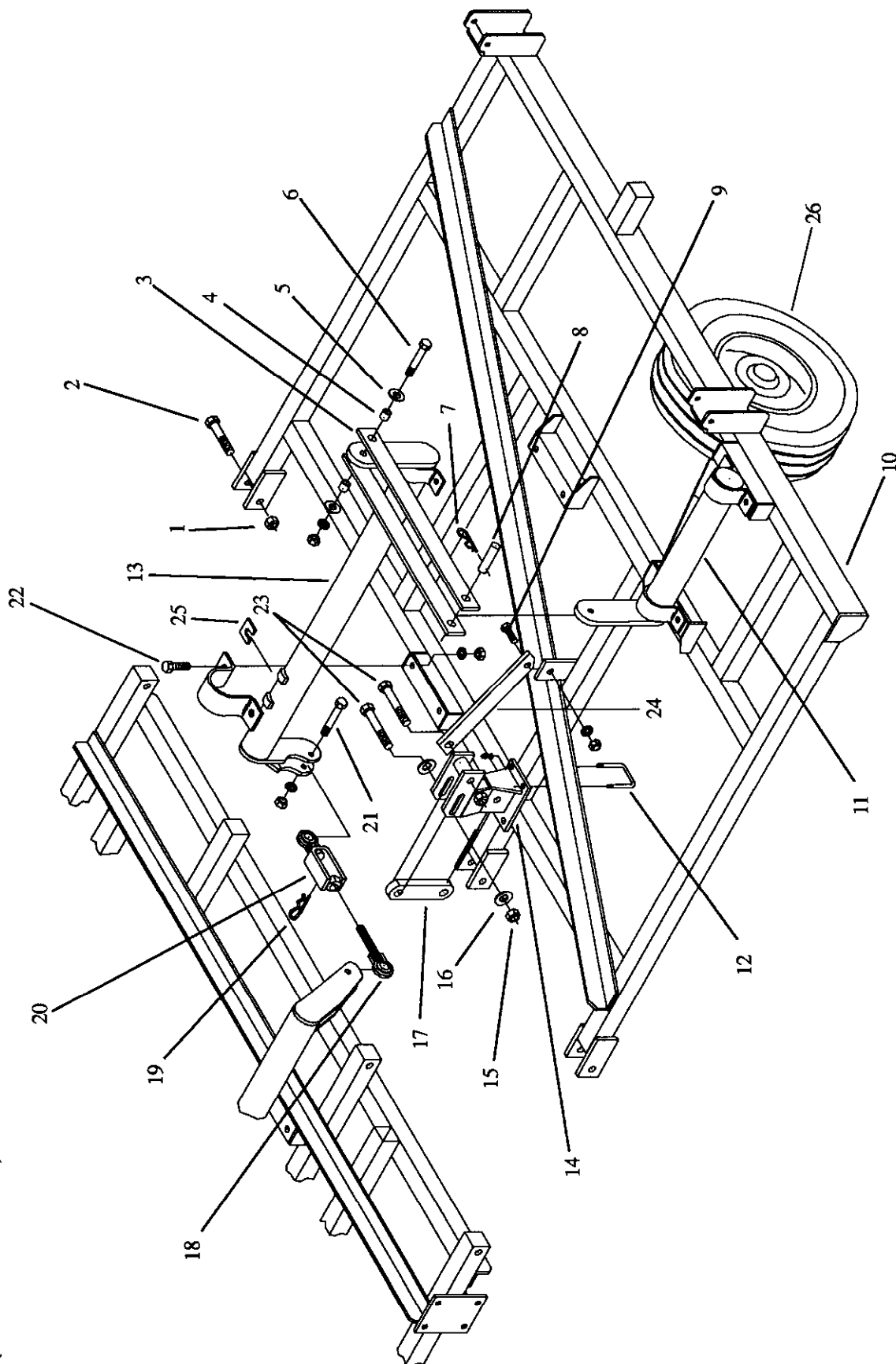
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	13785	10 FCW Pole Brace	8	88385	3/8NCx4x4-3/4 U-Bolt
	11429	13FCW Pole Brace	9	88290	3/4NCx2 GR8 Bolt
	19884	13FCW HD Pole Brace	10	12796	Pole Jack
	19886	17FCW HD Pole Brace	11	11638	Hitch Bolt
2	13270	Pole Tube Bracket	12	18236	Cast Dual Hitch
3	88553	3/8NCx1-1/2 GR5 Bolt	13	88133	3/16x2 Cotter Pin
4	13215	Tube Clamp	14	88350	1-1/4NC Slotted Nut
5	88362	3/8 Lock Washer	15	55174	10K Safety Chain
6	88103	3/8NC Nut	16	12724	Hose Bracket Assy
7	11426	13FCW Main Pole (10' & 13' MF)	17	88293	3/4NCx6 GR5 Bolt
	19889	FCW HD Main Pole (13"HD & 17"HD MF)	18	18237	Cast Hitch
			19	11364	Clevis Hitch

STANDARD NUTS AND LOCK WASHERS

88172	1/4NC Nut	88262	1/4 Lock Washer
88103	3/8NC Nut	88362	3/8 Lock Washer
88104	1/2NC Nut	88303	1/2 Lock Washer
88126	5/8NC Nut	88129	5/8 Lock Washer
88110	3/4NC Nut	88130	3/4 Lock Washer
88371	7/8NC Nut	88341	7/8 Lock Washer

5 & 6-1/2' WING

(6-1/2' SHOWN)



CI-78379

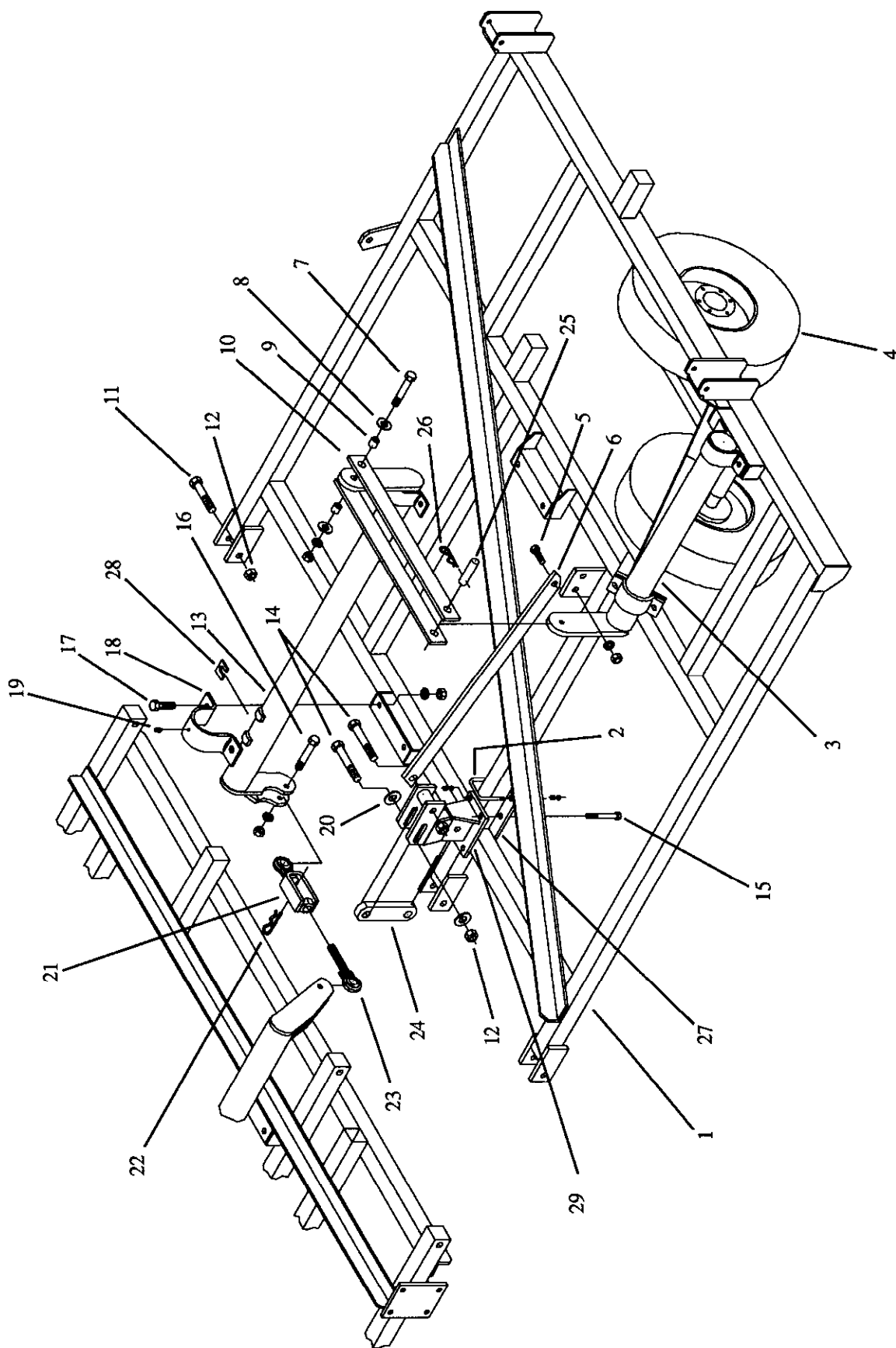
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	88348	1NC Lock Nut	14	54157	Overcenter Wing Mast
2	88312	1NCx5 GR5 Bolt	15	88348	1NC Lock Nut
3	15295	Rockshaft Strap	16	88196	1" Flat Washer
4	12376	Wing Axle Linkage Bushing	17	54156	Wing Lift Link
5	88131	3/4 Flat Washer	18	12478	Threaded Rod Assembly
6	88111	3/4NCx3-1/2 GR5 Bolt		12479	Adjustable Linkage Assembly
7	42484	Cylinder Lock Pin			(Includes items 18-20)
8	42472	Cylinder Pin	19	88318	Spring Lock Pin 1/4x4-3/4
9	88290	3/4NCx2 GR8 Bolt	20	12477	Clevis Assembly
10	54151	Right 5' Overcenter Wing	21	88111	3/4NCx3-1/2 GR5 Bolt
	54152	Left 5' Overcenter Wing	22	88495	7/8NCx2-1/2 GR5 Bolt
	15013	Right 6-1/2' Overcenter Wing	23	88670	1NC x 5-1/2 GR5 Bolt
	15014	Left 6-1/2' Overcenter Wing (Shown)	24	54158	5' & 6-1/2' Overcenter Wing Strap
11	15383	Right Wing Axle	25	10176	Spacer
	15384	Left Wing Axle (Shown)	26	13141	760x15 Wheel Assembly
12	88311	5/8NCx2-1/2x3-3/4 U-Bolt		10236	15x6 Wheel Rim
13	54153	Right 5' Overcenter Rock Shaft		11949	760x15 6Ply Tire
	54154	Left 5' Overcenter Rock Shaft		30784	Valve Stem Assembly
	54161	Right 6-1/2' Overcenter Rock Shaft		13142	95Lx15 Wheel Assembly 6"
	54162	Left 6-1/2' Overcenter Rock Shaft (Shown)		16287	95Lx15 8Ply Tubeless Tire

(See page 34 for Hub & Spindle parts breakdown.)

STANDARD NUTS AND LOCK WASHERS

88172	1/4NC Nut	88262	1/4 Lock Washer
88103	3/8NC Nut	88362	3/8 Lock Washer
88104	1/2NC Nut	88303	1/2 Lock Washer
88126	5/8NC Nut	88129	5/8 Lock Washer
88110	3/4NC Nut	88130	3/4 Lock Washer
88371	7/8NC Nut	88341	7/8 Lock Washer

8' WING



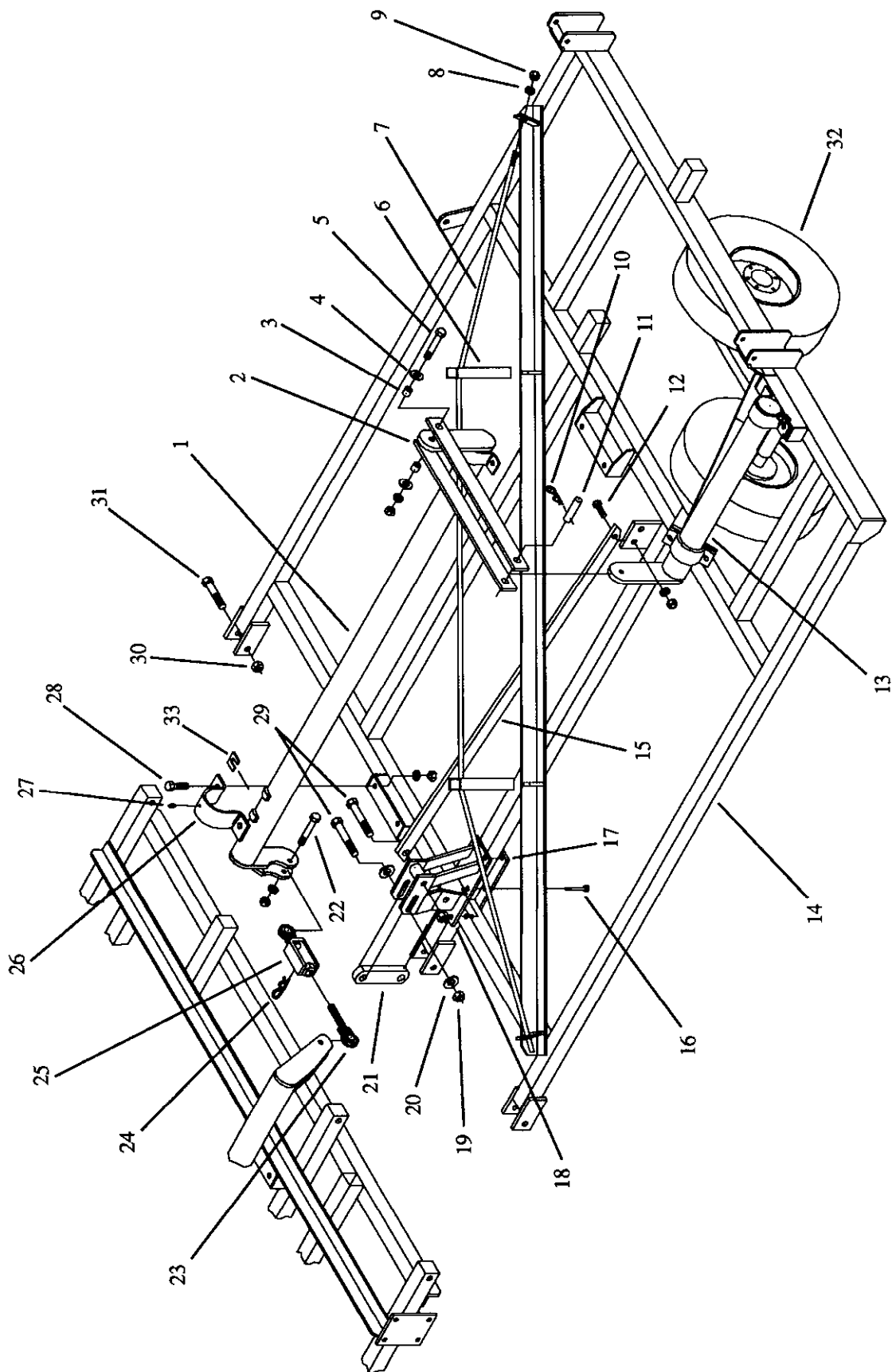
CI-78383

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54258	8FT Overcenter Wing - Left (Shown)	9	12376	Wing Axle Linkage Bushing
	54257	8FT Overcenter Wing - Right	10	15296	Rockshaft Strap
2	88311	5/8NCx2-1/2x3-3/4 U-Bolt	11	88312	1NCx5 GR5 Bolt
3	Tandem	Wing Axle Left -(Shown)	12	88348	1NC Lock Nut
	15405	With Walking Tandem	13	54166	Left 8' Overcenter Rockshaft (Shown)
	15303	Less Walking Tandem		54165	Right 8' Overcenter Rockshaft
	Tandem	Wing Axle Right -	14	88670	1NCx5-1/2 GR5 Bolt
	15404	With Walking Tandem	15	88381	5/8NCx4-1/2 GR5 Bolt
	15302	Less Walking Tandem	16	88111	3/4NCx3-1/2 GR5 Bolt
4	13141	(See Walking Tandem page 36 for parts breakdown.)	17	88495	7/8NCx2-1/2 GR5 Bolt
	10236	760x15 6B Wheel Assembly	18	10399	Axle Cap
	11949	Wheel Rim 15x6 6BLT	19	88263	1/8NPT Grease Fitting
	13142	760x15 6Ply Tire	20	88196	1" Flat Washer
	16287	95Lx15 Wheel Assembly 6"	21	12477	Clevis Assembly
	16290	95Lx15 8Ply Tire	22	88318	Spring Lock Pin 1/4x4-3/4
	10498	95Lx15 Wheel Assembly 8"	23	12478	Threaded Rod Assembly
	30784	15x8 Wheel Rim 6BLT		12479	Adjustable Linkage Assembly
		Valve Stem Assembly			(Includes Items 21-23)
5	88290	(See page 34 for Hub & Spindle parts breakdown.)	24	54156	Wing Link
6	54167	3/4NCx2 GR8 Bolt	25	42472	Cylinder Pin
7	88111	Wing Brace Arm	26	42484	Cylinder Lock Pin
8	88131	3/4NCx3-1/2 GR5 Bolt	27	12942	Locking Plate
		3/4Flat Washer	28	10176	Spacer
			29	54157	Overcenter Wing Mast

STANDARD NUTS AND LOCK WASHERS

88172	1/4NC Nut	88262	 1/4 Lock Washer
88103	3/8NC Nut	88362	 3/8 Lock Washer
88104	1/2NC Nut	88303	 1/2 Lock Washer
88126	5/8NC Nut	88129	 5/8 Lock Washer
88110	3/4NC Nut	88130	 3/4 Lock Washer
88371	7/8NC Nut	88341	 7/8 Lock Washer

10-1/2' WING



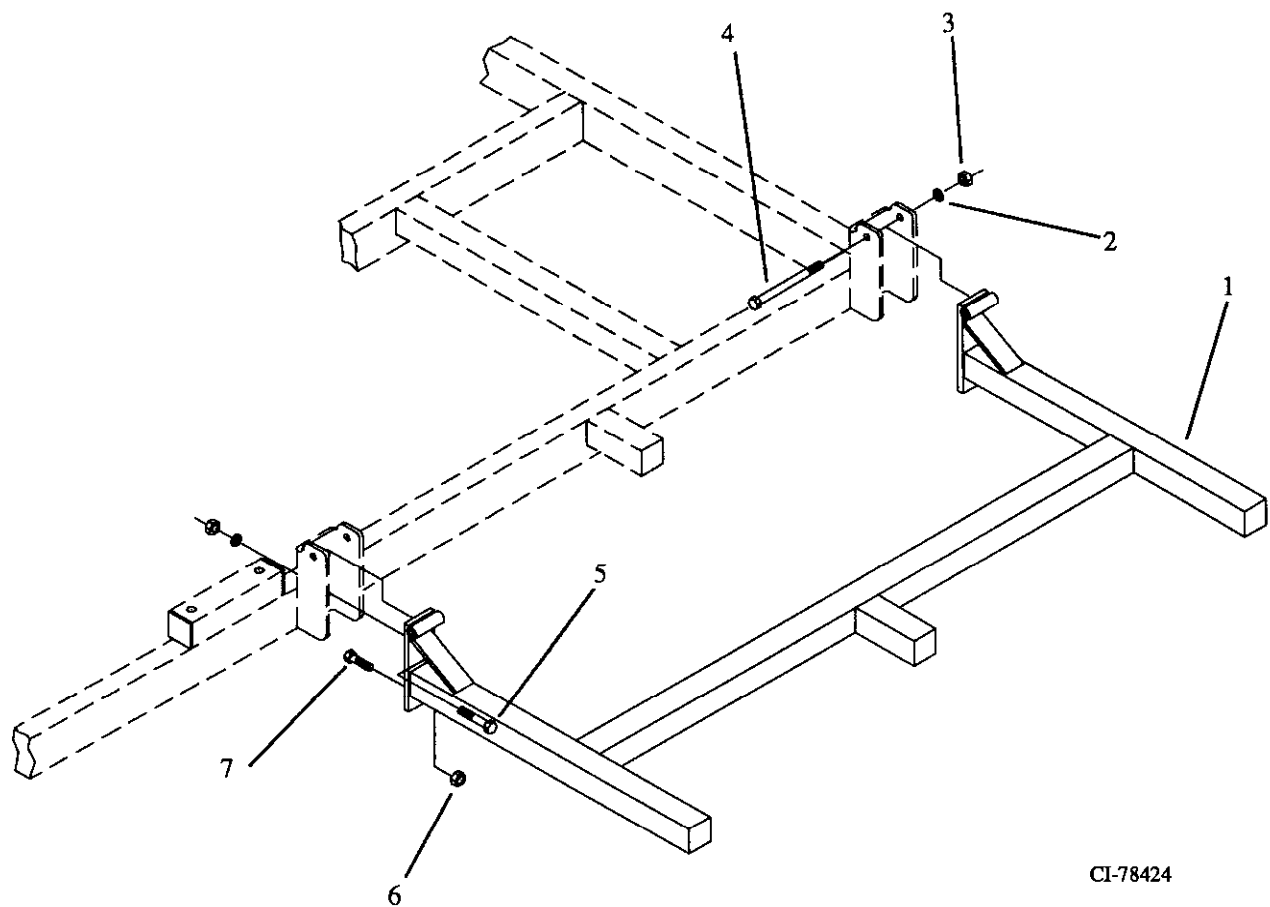
CI-78384

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54175	Left 10-1/2' Overcenter Rockshaft (Shown)	15	54176	Wing Brace Arm
2	54174	Right 10-1/2' Overcenter Rockshaft	16	88381	5/8NCx4-1/2 GR5 Bolt
3	15296	Rockshaft Strap	17	12942	Locking Plate
4	12376	Wing Axle Linkage Bushing	18	54214	Wing Lift Bracket
5	88131	3/4 Flat Washer	19	88348	1NC Lock Nut
6	88111	3/4NCx3-1/2 GR5 Bolt	20	88196	1" Flat Washer
7	14604	Truss Upright	21	54156	Wing Lift Link
8	14603	Truss Rod	22	88111	3/4NCx3-1/2 GR5 Bolt
9	88130	3/4 Lock Washer	23	12478	Threaded Rod Assembly
10	88110	3/4NC Nut		12479	Adjustable Linkage Assembly (Includes Items 23-25)
11	42484	Cylinder Lock Pin	24	88318	Spring Lock Pin 1/4x4-3/4
12	42472	Cylinder Pin	25	12477	Clevis Assembly
13	88290	3/4NCx2 GR8 Bolt	26	10399	Axle Cap
		Tandem Wing Axle Left - (Shown)	27	88263	1/8NPT Grease Fitting
	15405	With Walking Tandem	28	88495	7/8NCx2-1/2 GR5 Bolt
	15303	Less Walking Tandem	29	88670	1NCx5-1/2 GR5 Bolt
		Tandem Wing Axle Right	30	88348	1NC Lock Nut
	15404	With Walking Tandem	31	88312	1NCx5 GR5 Bolt
	15302	Less Walking Tandem	32	13141	760X15 Wheel Assembly
14	54260	(See page 36 for Walking Tandem parts breakdown.)		10236	15x6 Wheel Rim
	54259	Left 10-1/2' Overcenter Wing		11949	760x15 6Ply Tire
		Right 10-1/2' Overcenter Wing		13142	95Lx15 Wheel Assembly 6"
				16287	95Lx15 8Ply Tubeless Tire
				16290	95Lx15 Wheel Assembly 8"
				10498	15x8 Wheel Rim 6BLT
					(See page 34 for Hub & Spindle parts breakdown.)
					Spacer
			33	10176	

STANDARD NUTS AND LOCK WASHERS

88172	1/4NC Nut	88262	1/4 Lock Washer
88103	3/8NC Nut	88362	3/8 Lock Washer
88104	1/2NC Nut	88303	1/2 Lock Washer
88126	5/8NC Nut	88129	5/8 Lock Washer
88110	3/4NC Nut	88130	3/4 Lock Washer
88371	7/8NC Nut	88341	7/8 Lock Washer

2-1/2' EXTENSION WING



CI-78424

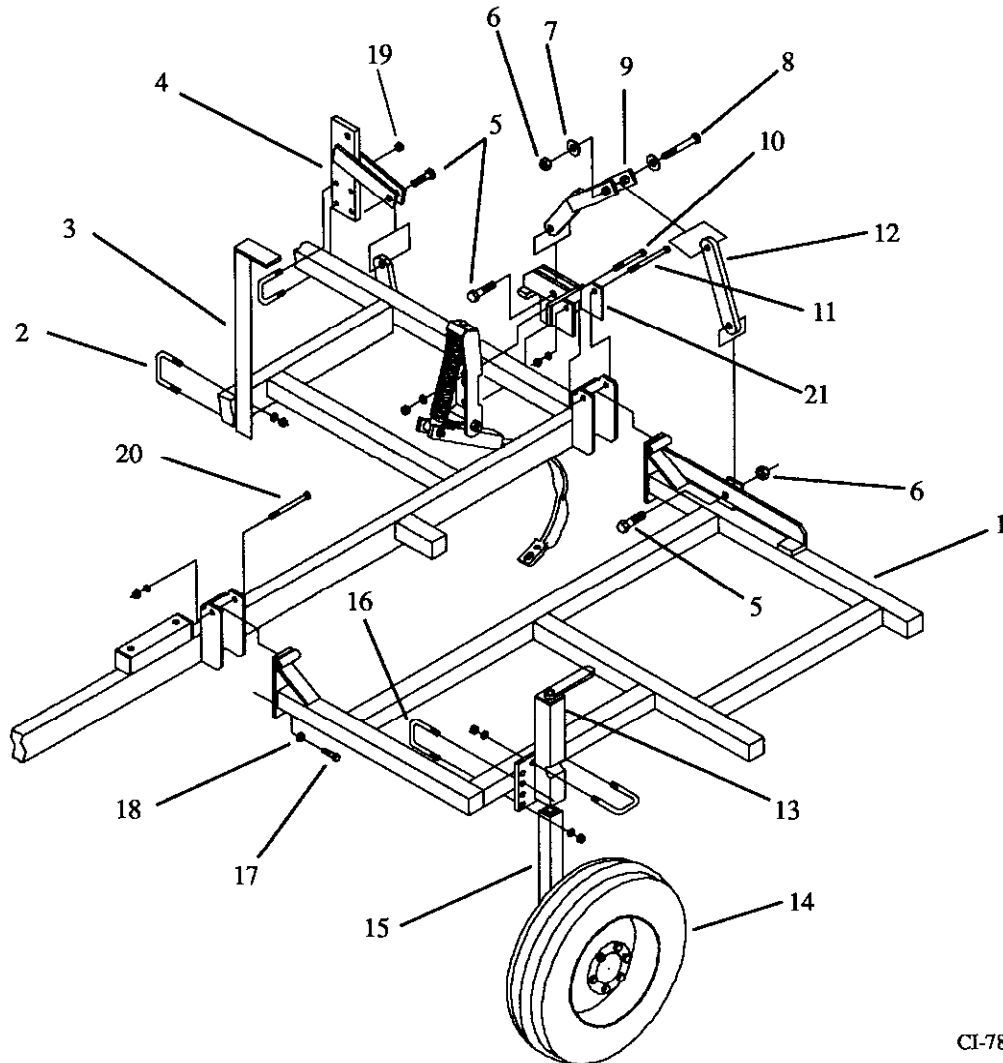
ITEM	PART NO.	DESCRIPTION
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1	52559	2-1/2' Extension Wing
2	88130	3/4 Lock Washer
3	88110	3/4NC Nut
4	88293	3/4NCx6 GR5 Bolt

ITEM	PART NO.	DESCRIPTION
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5	88291	3/4NCx3 GR5 Bolt (Wing Lock)
6	88562	3/4NC Jam Nut
7	88604	3/4NCx2 GR5 Bolt (Wing Level Adjustment)

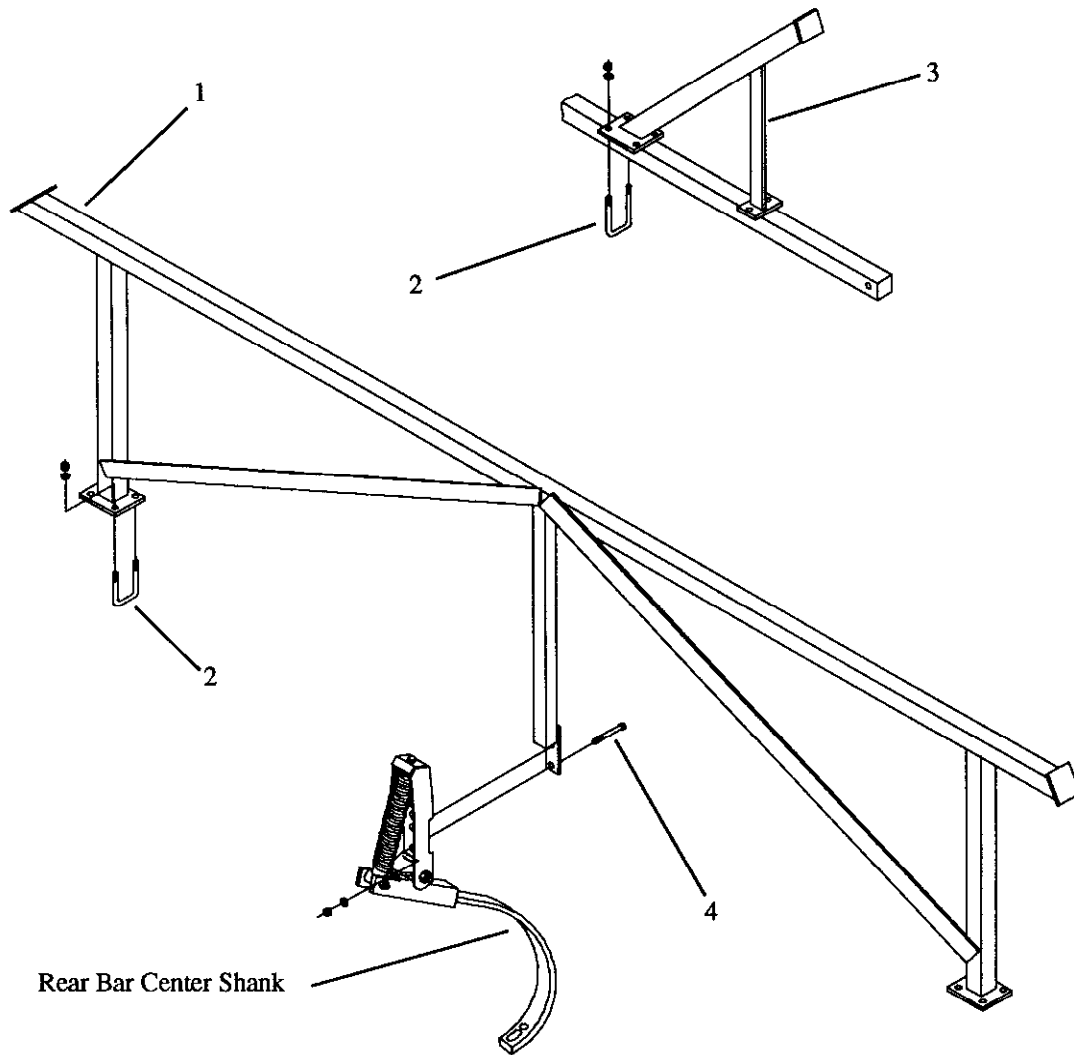
3-1/2' EXTENSION WING



CI-78238

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54322	Left 3-1/2' Floating Wing (Shown)	13	15485	Top Adjustment Assembly
	54323	Right 3-1/2' Floating Wing	14	41233	1-3/4 Hub & Spindle w/7.60x15 Tire
2	88388	5/8NCx4x3-1/4 U-Bolt	15	15475	Gauge Wheel Leg
3	54328	Wing Rest	16	88311	5/8NCx2-1/2x3-3/4 U-Bolt
4	54324	Main Wing Anchor	17	88604	3/4NCx2 GR5 Bolt (Wing Level Adjustment)
5	88399	1NCx3 GR5 Bolt	18	88562	3/4NC Jam Nut
6	88348	1NC Lock Nut	19	88369	5/8NC Lock Nut
7	88196	1" Flat Washer	20	88293	3/4NC x 6 GR5 Bolt
8	88312	1NCx5 GR5 Bolt	21	54326	Right Main Pivot
9	54325	Inner Link		54327	Left Main Pivot (Shown)
10	88381	5/8NCx4-1/2 GR5 Bolt			
11	88600	3/4x6-1/2 GR5 Bolt			
12	54338	Link			

WING REST

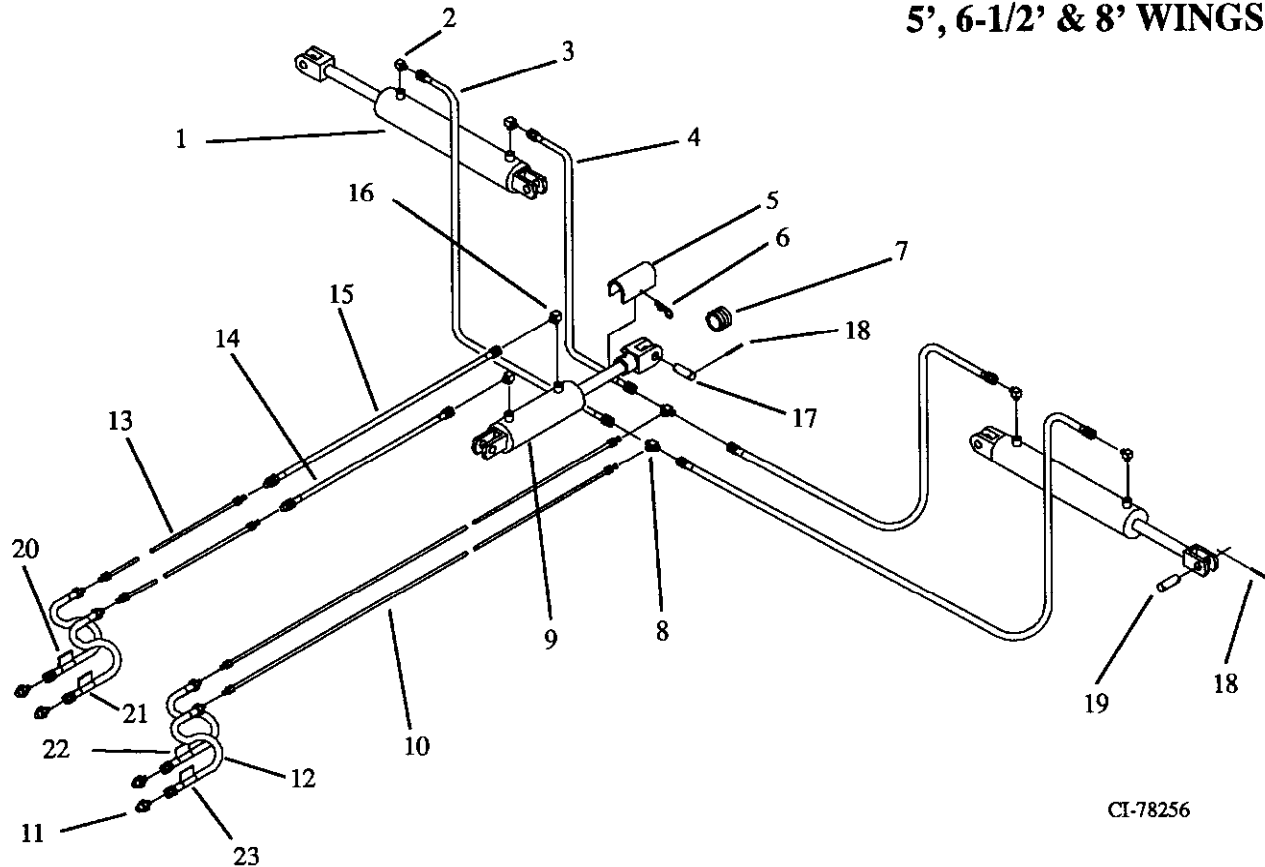


CI-78239

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54171	13FCW Overcenter Wing Rest	3	54159	Overcenter Wing Lock
	54179	17FCW Overcenter Wing Rest		54160	Overcenter Wing Lock (w/Decals)
2	88311	5/8NCx2-1/2x3-3/4 U-Bolt	4	88381	5/8NCx4-1/2 GR5 Bolt

10' & 13' HYDRAULICS

5', 6-1/2' & 8' WINGS



CI-78256

ITEM PART NO. DESCRIPTION

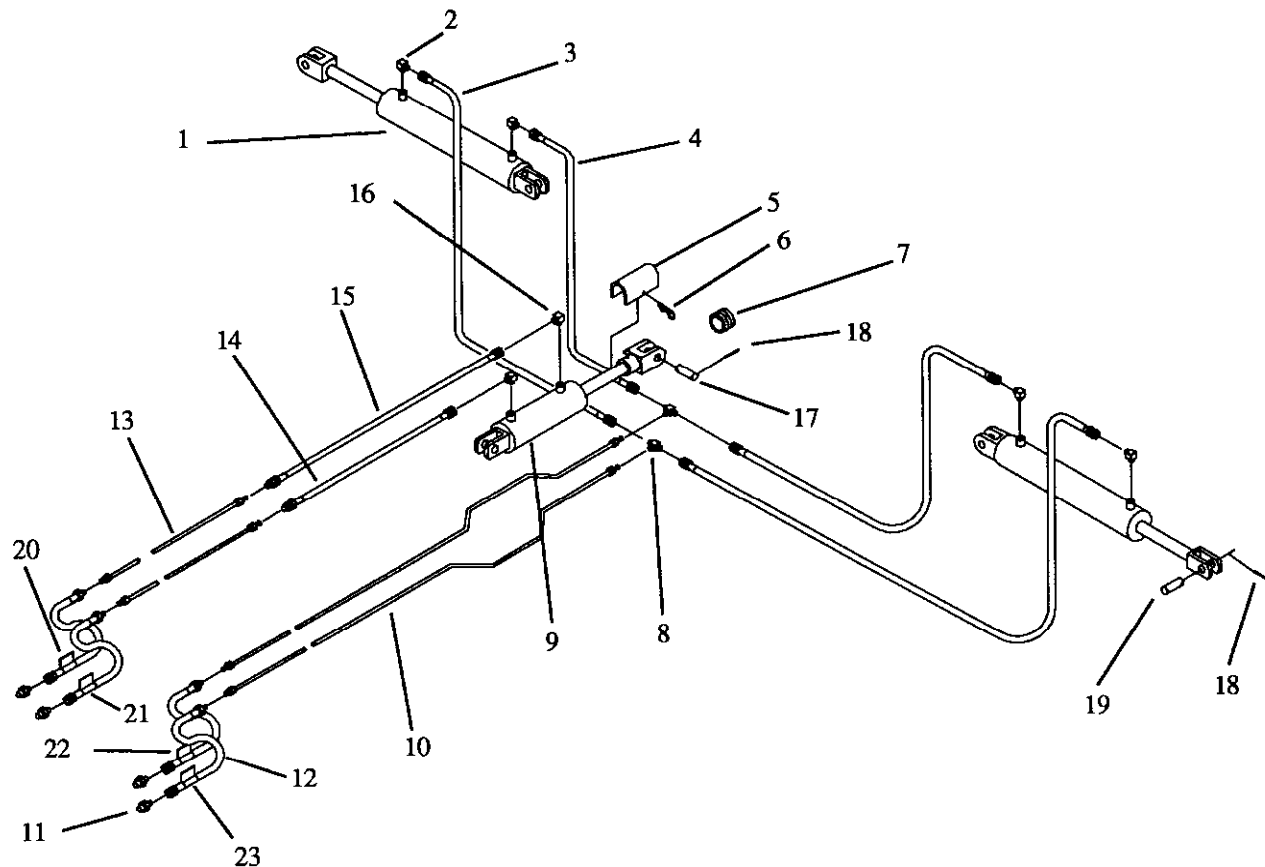
1	51235	3-1/2x24 Cylinder
2	13235	3/4JICx3/8NPT Port Elbow
3	14851	3/8x42 Hose (FF) (10'FCW)
	25602	3/8x65 Hose (FF) (13'FCW)
4	14850	3/8x18 Hose (FF) (10'FCW)
	25597	3/8x40 Hose (FF) (13'FCW)
5	13681	1-1/2" Channel Lock
6	42721	1/4x5 Spring Lock Pin
7	15113	1-1/2 Stop Collar
8	13238	3/4JIC Tube Tee
9	51227	4x8 Screw Stop Cyl (5'Wing)
	13303	5x8 Screw Stop Cylinder (6-1/2' & 8' Wing)
10	13255	1/2x110 Hyd Tube

ITEM PART NO. DESCRIPTION

11	13234	3/4JICx1/2NPT Coupler Adapter
12	13267	3/8x72 Hose (MF)
13	13254	1/2x80 Hyd Tube
14	13259	3/8x18 Hose (MF)
15	13262	3/8x30 Hose (MF)
16	13236	3/4JIC x 1/2NPT Port Elbow
17	42473	Cylinder Pin 1 x 3-1/8 (Hardened marked with "H")
18	42484	1/4 x 2-1/4 Spiral Roll Pin
19	42472	Cylinder Pin 1 x 3-1/8
20	54903	Main Down Decal
21	54902	Main Up Decal
22	54901	Wings Down Decal
23	54900	Wings Up Decal

13' & 17' HD HYDRAULICS

8' & 10-1/2' WINGS



ITEM PART NO. DESCRIPTION

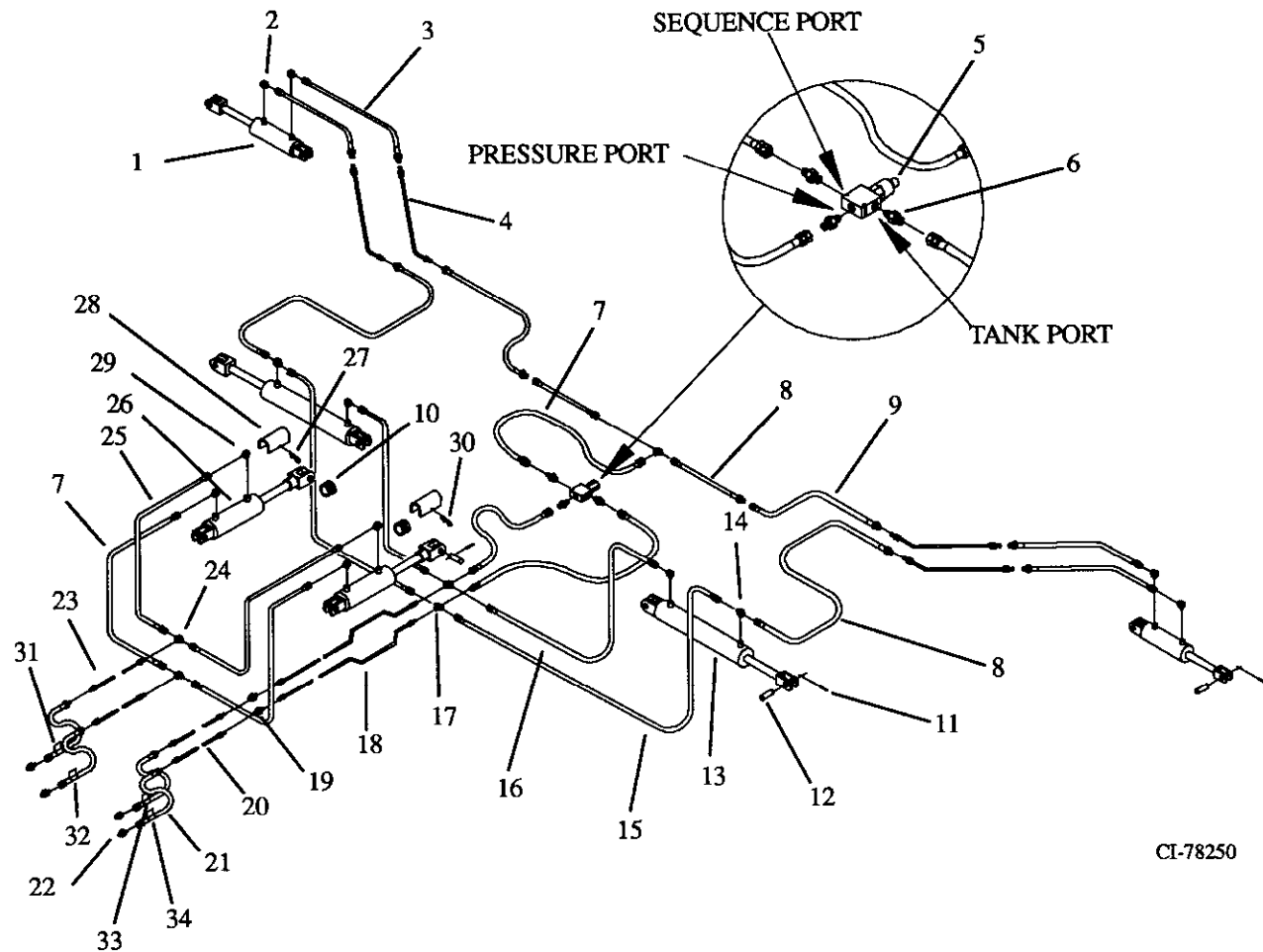
1	51235	3-1/2x24 Cylinder
2	13235	3/4JICx3/8NPT Port Elbow
3	14851	3/8x42 Hose (FF) (10'FCW)
	25602	3/8x65 Hose (FF) (13'FCW)
4	14850	3/8x18 Hose (FF) (10'FCW)
	25597	3/8x40 Hose (FF) (13'FCW)
5	13681	1-1/2" Channel Lock
6	42721	1/4x5 Spring Lock Pin
7	15113	1-1/2 Stop Collar
8	13238	3/4JIC Tube Tee
9	51227	4x8 Screw Stop Cyl (5'Wing)
	13303	5x8 Screw Stop Cylinder (6-1/2' & 8'Wing)
10	16384	1/2x109 Bent HYD Tube

ITEM PART NO. DESCRIPTION

11	13234	3/4JICx1/2NPT Coupler Adapter
12	13267	3/8x72 Hose (MF)
13	13254	1/2x80 Hyd Tube
14	13259	3/8x18 Hose (MF)
15	13262	3/8x30 Hose (MF)
16	13236	3/4JIC x 1/2NPT Port Elbow
17	42473	Cylinder Pin 1 x 3-1/8 (Hardened marked with "H")
18	42484	1/4 x 2-1/4 Spiral Roll Pin
19	42472	Cylinder Pin 1 x 3-1/8
20	54903	Main Down Decal
21	54902	Main Up Decal
22	54901	Wings Down Decal
23	54900	Wings Up Decal

13' & 17' HD HYDRAULICS 10-1/2' WING

8' & 10-1/2' WINGS W/OUTER WINGS



CI-78250

ITEM PART NO. DESCRIPTION

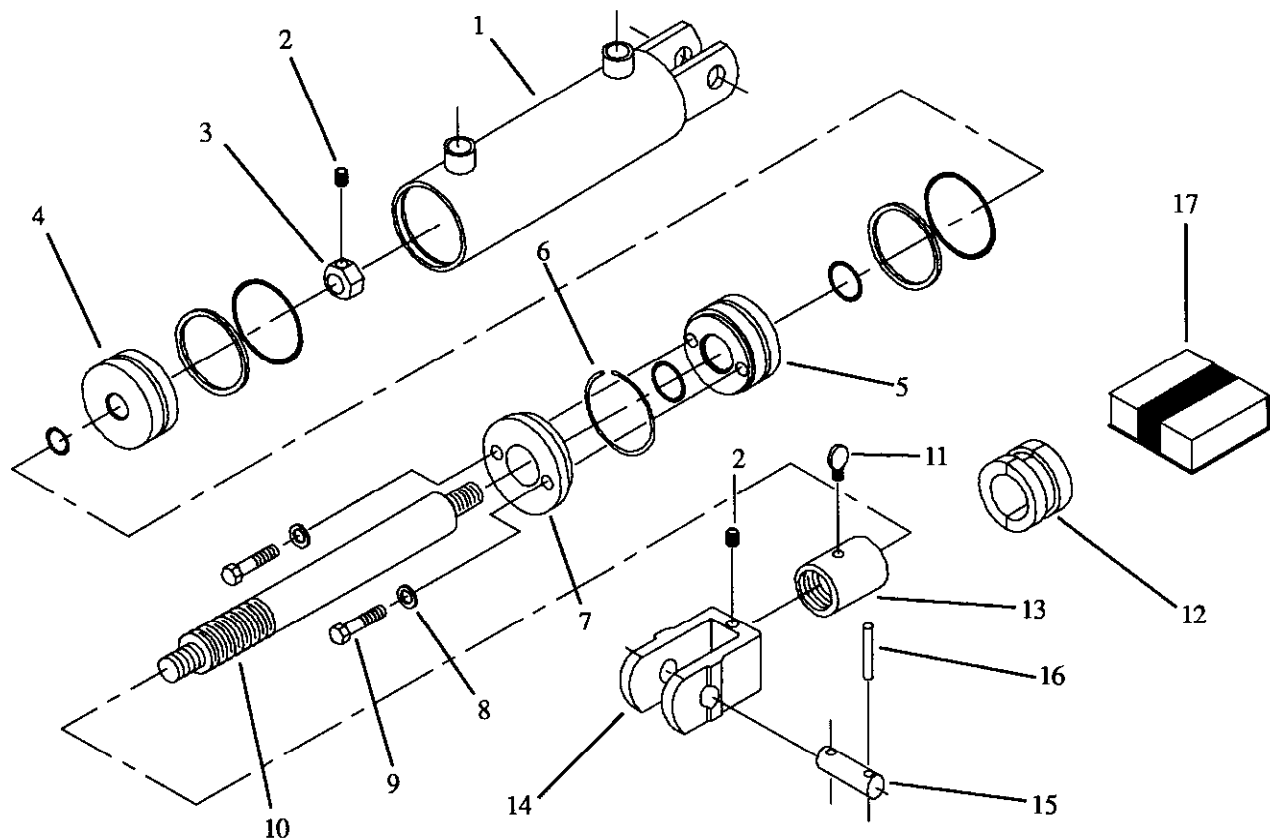
1	51241	3x24 Cylinder
2	13235	3/4JICx3/8NPT Port Elbow
3	13263	3/8x36 Hose (MF)
4	13257	1/2x75+2 Tube
5	51655	Sequence Valve
6	24024	3/4JICx3/4ORB Adapter
7	14850	3/8x18 Hose (FF)
8	13266	3/8x60 Hose (MF)
9	13266	3/8x60 Hose (MF)(13'MF)
	13267	3/8x72 Hose (MF)(17'MF)
10	15113	1-1/2 Stop Collar
11	42484	Cylinder Lock Pin
12	42472	Cylinder Pin
13	51226	4 x 24 Cylinder (8' Wing)
	12062	5x24 Cylinder (10-1/2' Wing)
14	13237	3/8 Cylinder Port Tee
15	25602	3/8x65 Hose (FF)(13'MF)
	25604	3/8x83 Hose (FF)(17'MF)
16	25597	3/8x40 Hose (FF)(13'MF)
	15515	3/8x62 Hose (FF)(17'MF)

ITEM PART NO. DESCRIPTION

17	15910	3/4JIC Tube Cross
18	16384	1/2x109 Tube
19	13239	3/4JIC Hose Union
20	13287	1/2x38 Tube
21	13267	3/8x72 Hose (MF)
22	13234	3/4JICx1/2NPT Coupler Adapter
23	13253	1/2x120 Tube
24	13238	3/4JIC Tube Tee
25	13261	3/8x30 Hose (FF)
26	51227	4x8 Screw Stop Cylinder
27	42721	1/4x5 Spring Lock Pin
28	13681	1-1/2" Channel Lock
29	13236	3/4JICx1/2NPT Port Elbow
30	42473	Cylinder Pin 1x3-1/8 (Hardened marked with "H")
31	54903	Main Down Decal
32	54902	Main Up Decal
33	54901	Wing Down Decal
34	54900	Wing Up Decal

4 X 8 SCREW STOP CYLINDERS SERIES RB & SERIES I

NOTE: Series refers to the first one or two digits of the serial number.



CI-77713

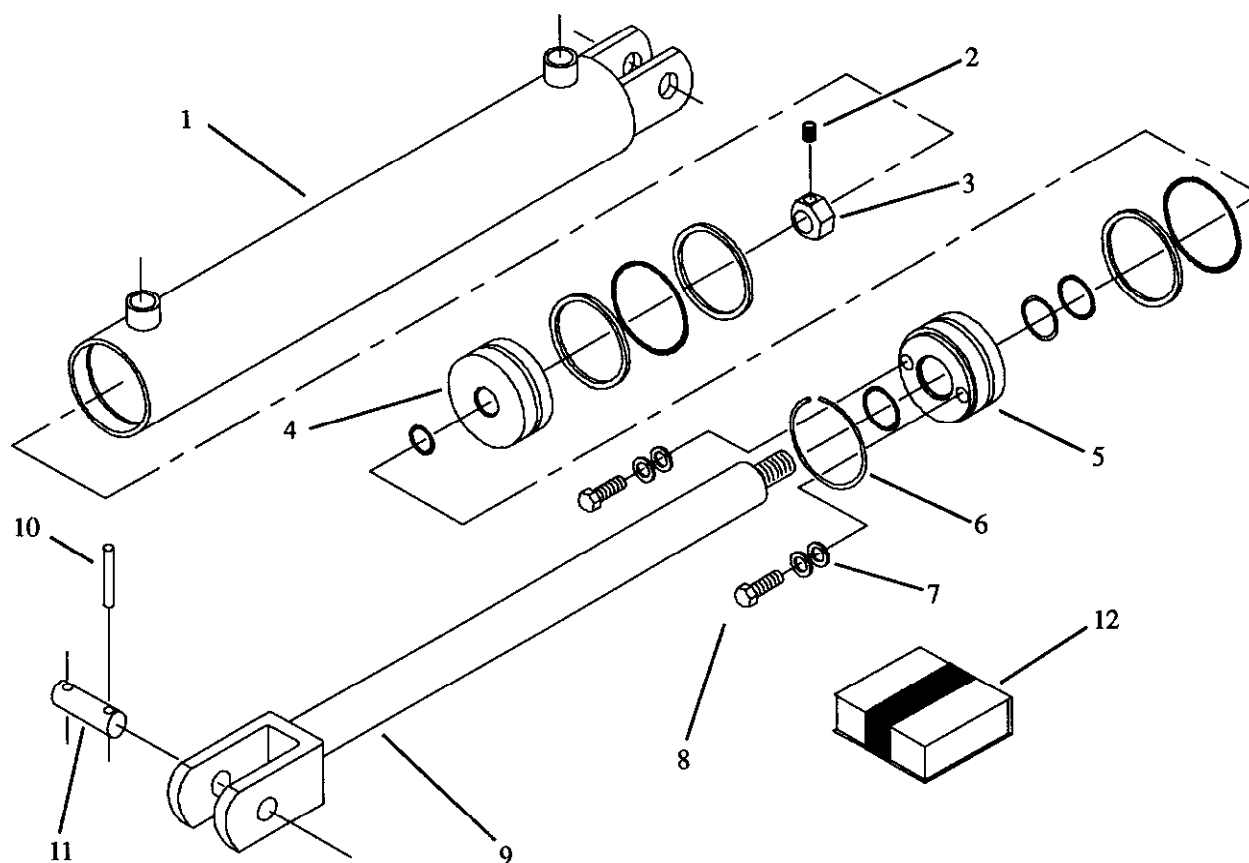
ITEM	PART NO.	DESCRIPTION
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	51227	4x8 SS Cylinder Series RB
1	12284	Cylinder Tube Assembly
2	88706	Set Screw 5/16NCx5/16
3	14824	Piston Lock Nut
4	12282	4IN Piston
5	42576	End Gland (Series RB)
	12283	4IN Cylinder Gland (Series I)
6	12286	4IN Snap Ring
7	13851	Stop Plate
8	88362	Lock Washer 3/8

ITEM	PART NO.	DESCRIPTION
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9	88553	3/8NCx1-1/2 GR5 Bolt
10	13569	Cylinder Rod
11	88387	Thumb Screw 3/8NCx3/4
12	15113	1-1/2" Stop Collar Assy
13	13570	Screw Stop Collar
14	14822	Adj Cyl Yoke
15	42473	Cylinder Pin 1 x 3-1/8
16	42484	1/4x2-1/4 Spiral Roll Pin
17	51212	Seal Kit (Series RB)
	14907	Seal Kit (Series I Above 10,000)
	11507	Seal Kit (Series I Below 10,000)

4 X 24 STANDARD SERIES K & SERIES RA



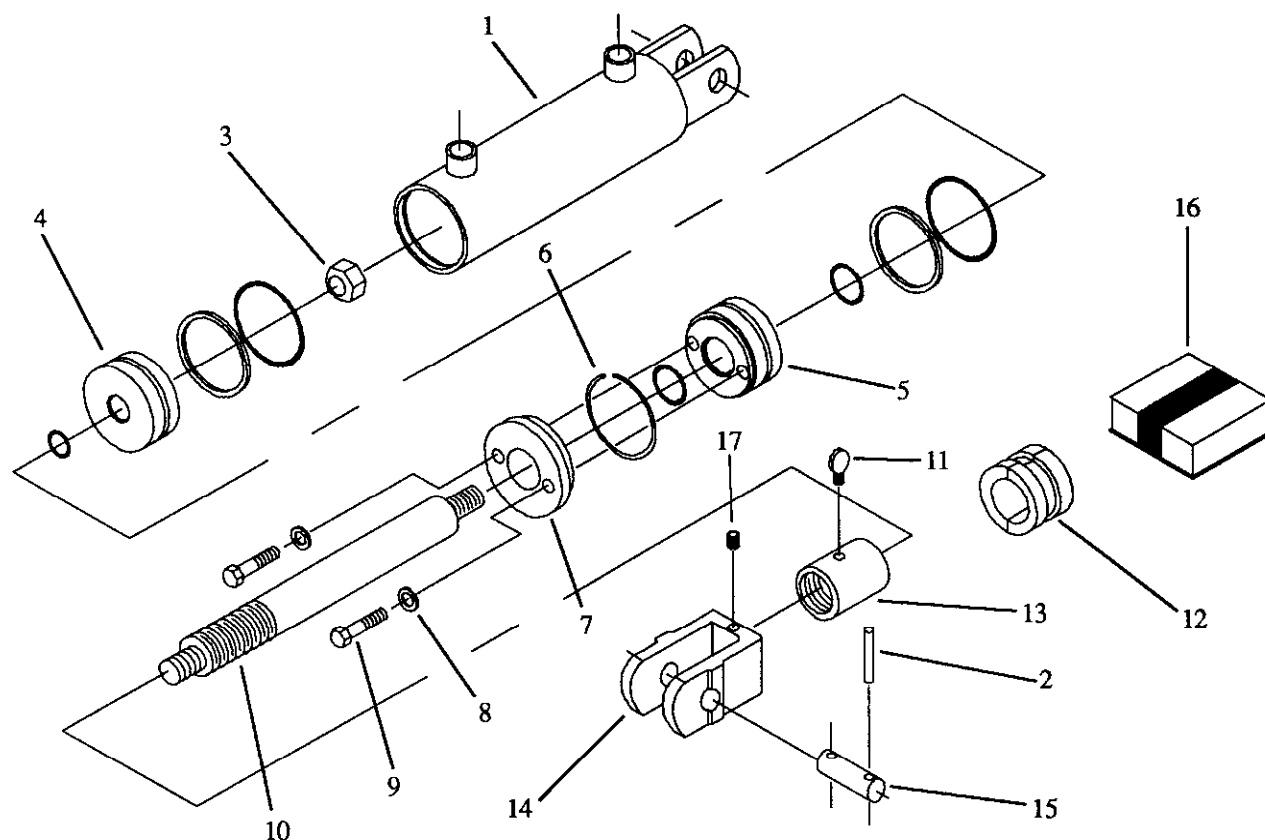
CI-77914

ITEM	PART NO.	DESCRIPTION
	51226	4x24 Standard
1	12658	Cylinder Tube Assembly
2	88706	Set Screw 5/16NCx5/16
3	14824	Piston Lock Nut
4	12282	Piston
5	42576	End Gland
6	12286	4" Snap Ring
7	88278	5/16 Flat Washer

ITEM	PART NO.	DESCRIPTION
8	88566	3/8NCx3/4 GR5 Bolt
9	12302	Cylinder Rod Assembly
10	42484	1/4x2-1/4 Spiral Roll Pin
11	42473	Cylinder Pin
12	14907	Seal Kit (Series #K Above 10,000)
	11507	Seal Kit (Series #K Below 10,000)
	51212	Seal Kit (Series #RA - All)

5 X 8 SCREW STOP CYLINDERS SERIES Z & SERIES AC

NOTE: Series refers to the first one or two digits of the serial number.



CI-78430

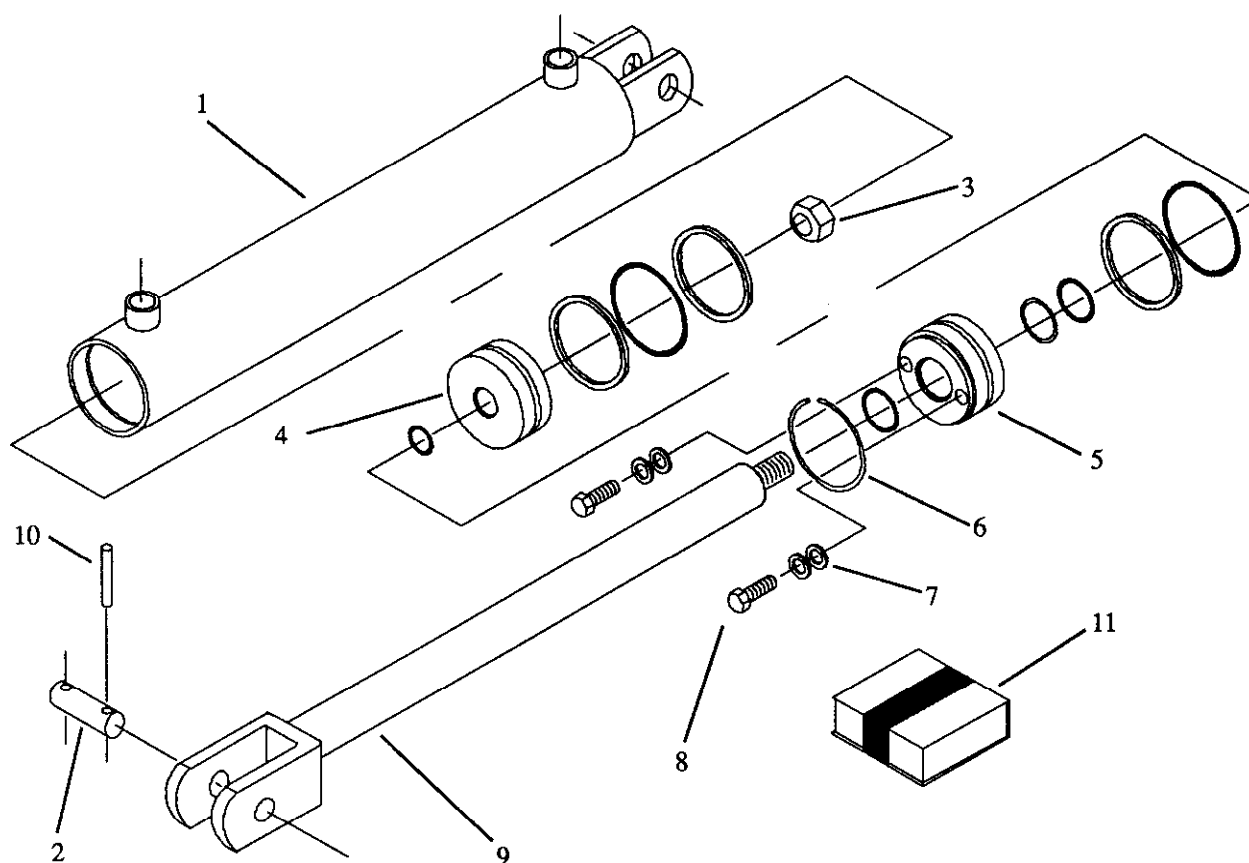
ITEM	PART NO.	DESCRIPTION
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	13303	5x8 SS Cylinder
1	13301	Cylinder Tube Assembly
2	42484	1/4x2-1/4 Spiral Roll Pin
3	42082	1-1/2NF Hydra Jam Lock Nut
4	12327	5IN Piston
5	52103	End Gland
6	12324	5IN Snap Ring
7	47804	Stop Plate
8	88362	3/8 Lock Washer

ITEM	PART NO.	DESCRIPTION
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9	88553	3/8NCx1-1/2 GR5 Bolt
10	13299	Cylinder Rod
11	88387	Thumb Screw 3/8NCx3/4
12	15116	2IN Stop Collar Assy
13	13298	Screw Stop Collar
14	14825	Adj Cyl Yoke
15	42473	Cylinder Pin 1x3-1/8
16	52326	Seal Kit (Series AC)
	14908	Seal Kit (Series Z)
17	88706	5/16NCx5/16 Set Screw

5 X 24 STANDARD SERIES G & SERIES AB



CI-78431

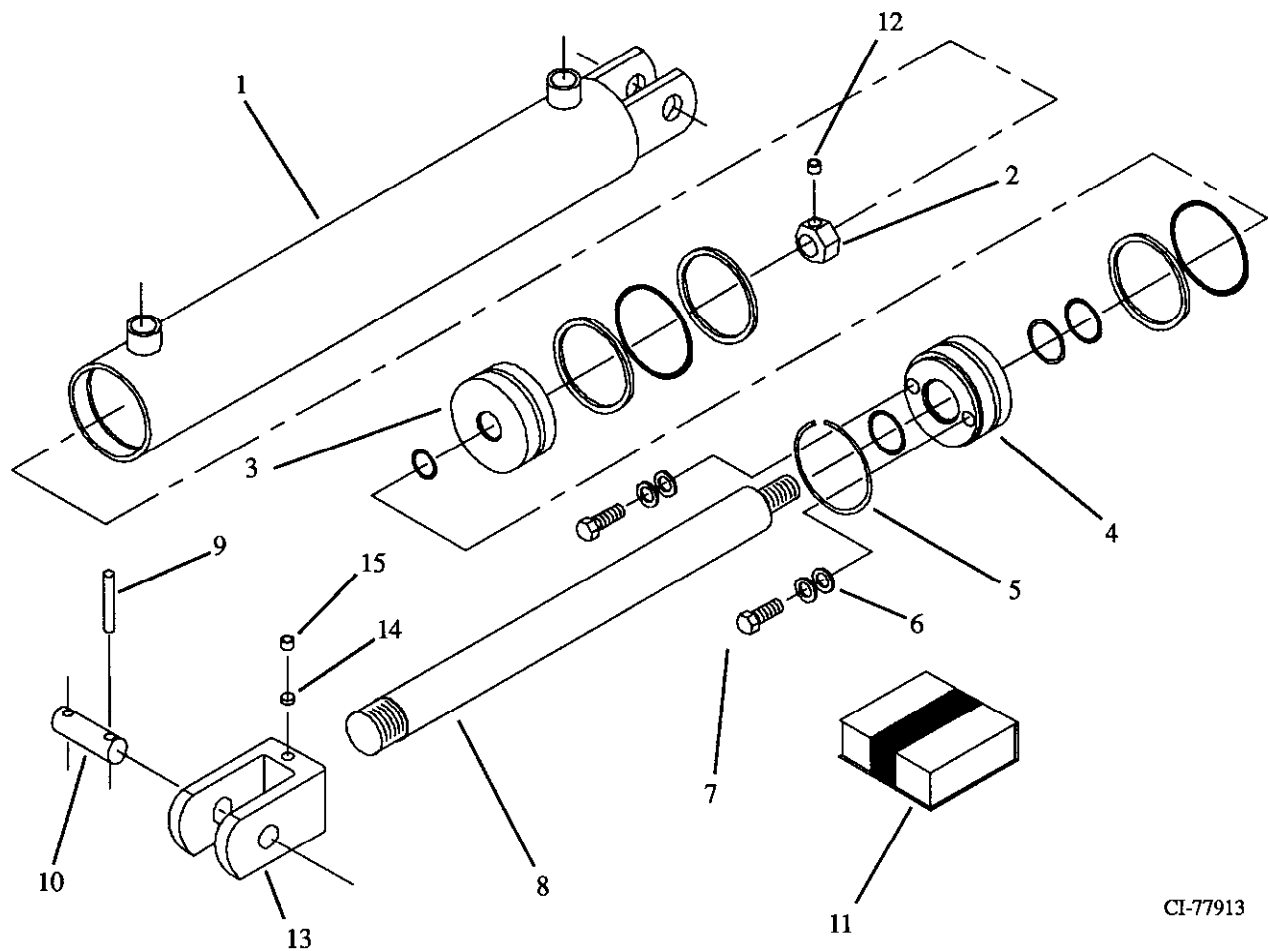
ITEM	PART NO.	DESCRIPTION
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	12062	5x24 Standard
1	12791	Cylinder Tube Assembly
2	42472	Cylinder Pin
3	42082	1-1/2NF Hydra Jam Lock Nut
4	13293	Cylinder Piston
5	52103	5" Cylinder Gland
6	12324	5" Snap Ring

ITEM	PART NO.	DESCRIPTION
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7	88278	5/16 Flat Washer
8	88566	3/8NCx3/4 GR5 Bolt
9	12794	Cylinder Rod Assembly
10	42484	1/4x2-1/4 Spiral Roll Pin
11	14908	Seal Kit (Series G Above 10,000)
	12793	Seal Kit (Series G Below 10,000)
	52326	Seal Kit (Series AB - All)

3 X 24 STANDARD SERIES RL



CI-77913

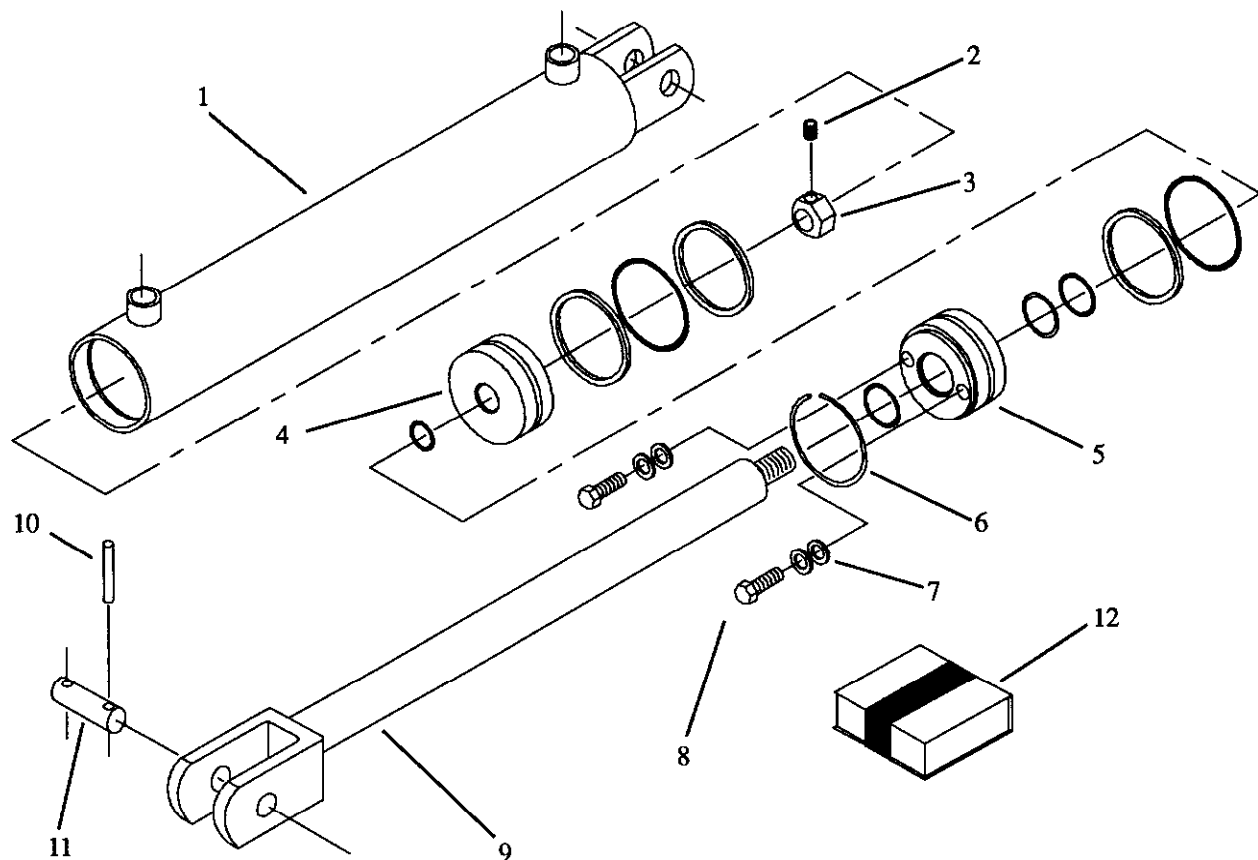
ITEM	PART NO.	DESCRIPTION
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	51241	3 x 24 Standard
1	12310	Cylinder Tube Assembly
2	14824	Piston Lock Nut
3	12308	Piston
4	51206	3" Cylinder Gland
5	12303	3" Snap Ring
6	88855	1/4SAE Flat Washer
7	88190	1/4NC x 1/2 Bolt

ITEM	PART NO.	DESCRIPTION
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9	42484	1/4x2-1/4 Spiral Roll Pin
10	42472	Cylinder Pin
11	51210	Seal Kit (Series #RL - All)
12	88706	5/16NC x 5/16 Set Screw (Cup)
13	14980	Adjustable Cylinder Yoke
14	49049	Nylon Plug
15	89035	5/16NC x 5/16 Set Screw (Flat)

3-1/2 X 24 STANDARD SERIES O & SERIES RF

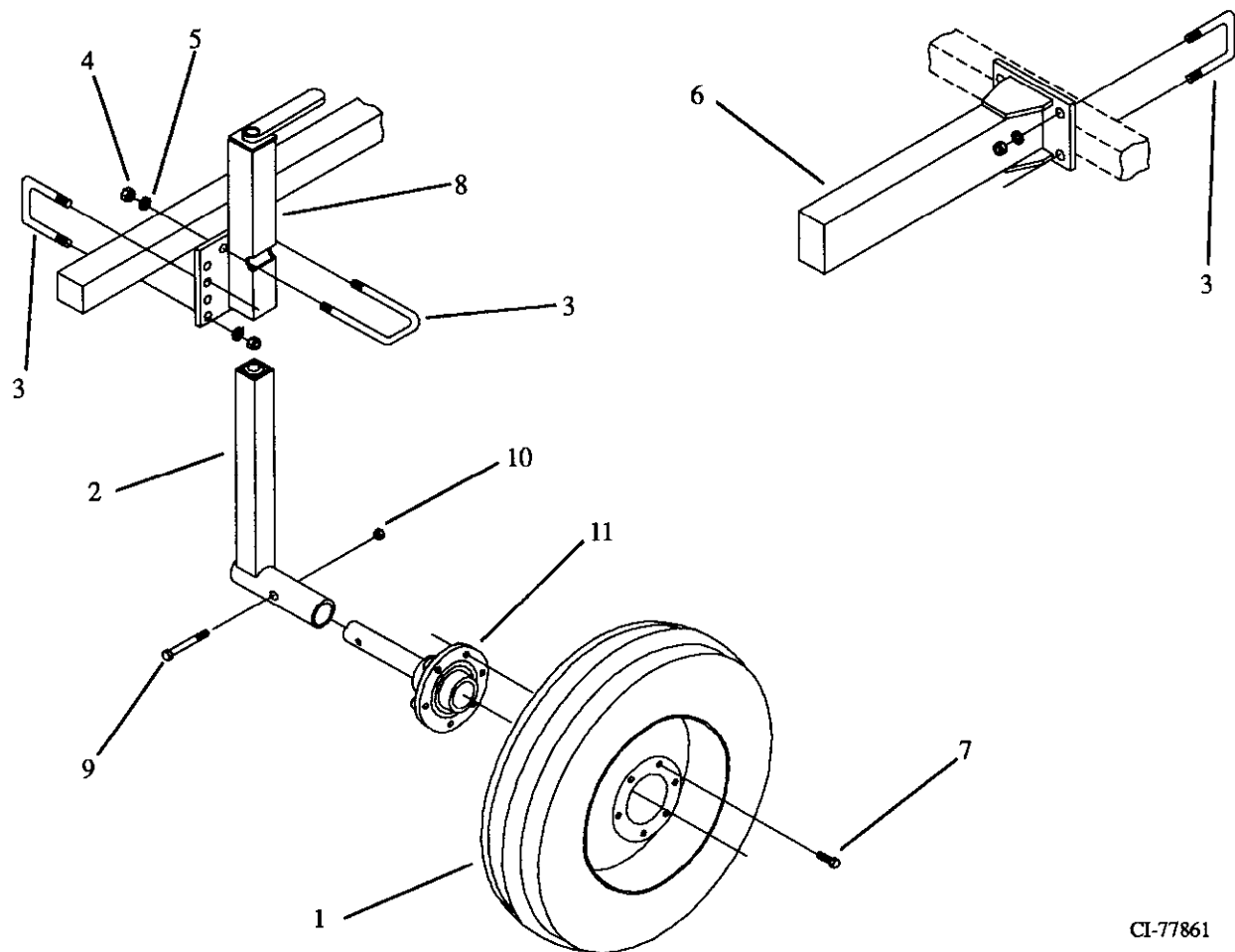


CI-77914

ITEM	PART NO.	DESCRIPTION
	51235	3-1/2x24 Standard
1	12301	Cylinder Tube Assembly
2	88706	Set Screw 5/16NCx5/16
3	14824	Piston Lock Nut
4	12282	Piston
5	42576	4" Cylinder Gland
6	12286	4" Snap Ring
7	88278	5/16 Flat Washer

ITEM	PART NO.	DESCRIPTION
8	88566	3/8NC x 3/4 GR5 Bolt
9	12302	Cylinder Rod Assembly
10	42484	1/4x2-1/4 Spiral Roll Pin
11	42472	Cylinder Pin
12	14905	Seal Kit (Series O Above 10,000)
	11980	Seal Kit (Series O Below 10,000)
	51211	Seal Kit (Series RF - All)

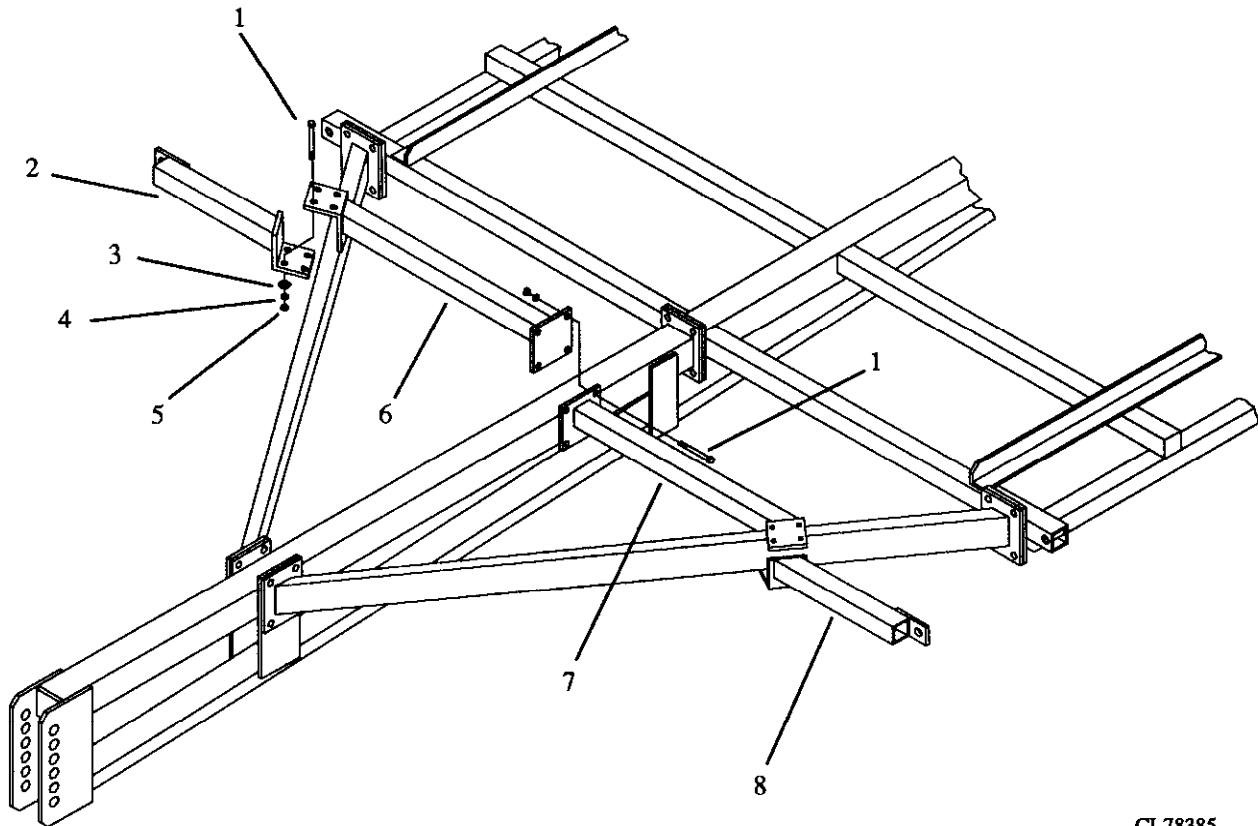
GAUGE WHEEL



CI-77861

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	13141	760x15 Wheel Assembly	4	88126	5/8NC Nut
	11949	760x15 6Ply Tire	5	88129	5/8 Lock Washer
	30784	Valve Stem Assy TR 415	6	15913	Mounting Arm
	10236	Rim 15x6	7	88142	1/2NFx1 Wheel Bolt
	13142	95Lx15 Wheel Assembly 6"	8	15485	Top Adjustment Assembly
	16287	95Lx15 8Ply Tire	9	88313	1/2NFx3 GR5 Bolt
2	15475	Gauge Wheel Leg	10	88304	1/2NF Lock Nut
3	88311	5/8NCx2-1/2x3-3/4 U-Bolt	11	41233	Hub & Spindle Assembly

MAIN FRAME 5TH BAR MOUNTING

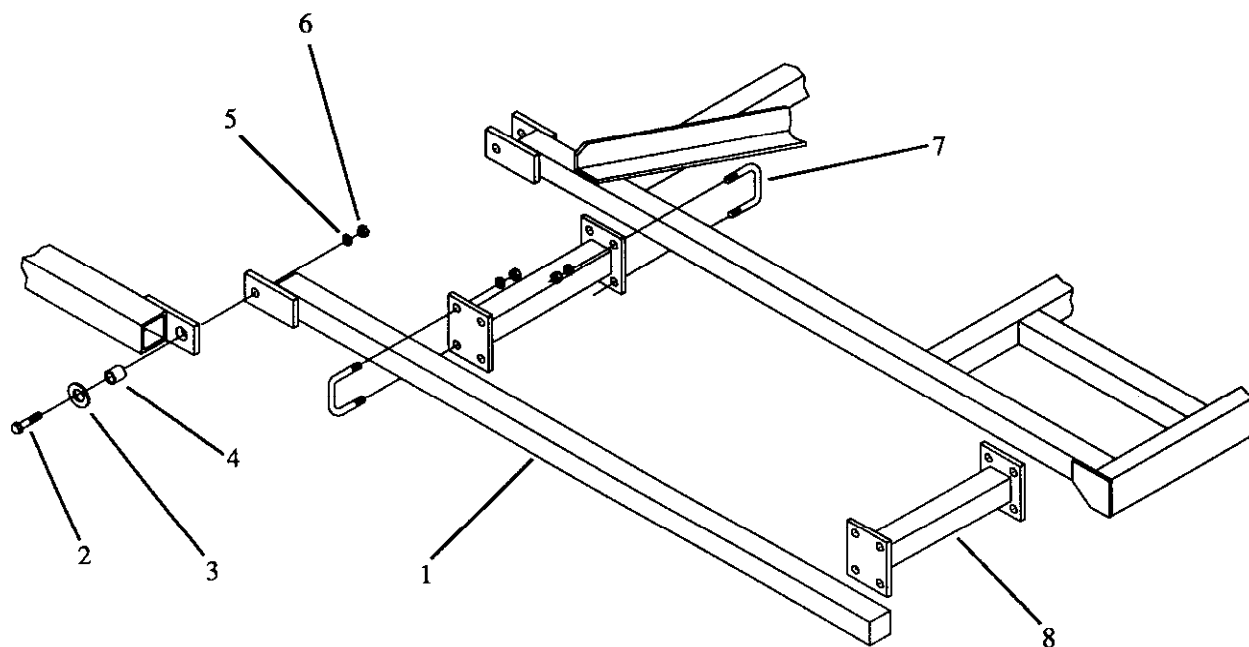


CI-78385

ITEM	PART NO.	DESCRIPTION
1	88295	5/8NCx6 GR5 Bolt
2	52831	Right 10' Hinge Bar
	52836	Right 13' Hinge Bar
	53285	Right 13' SP Hinge Bar
	52843	Right 17' Hinge Bar
3	88277	5/8 Flat Washer
4	88129	5/8 Lock Washer
5	88126	5/8NC Nut

ITEM	PART NO.	DESCRIPTION
6	52833	Right 10' Center Bar
	52838	Right 13' Center Bar
	53287	Right 13' SP Center Bar
	52841	Right 17' Center Bar
7	52832	Left 10' Center Bar
	52837	Left 13' Center Bar
	53288	Left 13' SP Center Bar
	52842	Left 17' Center Bar
8	52830	Left 10' Hinge Bar
	52835	Left 13' Hinge Bar
	53286	Left 13' SP Hinge Bar
	52842	Left 17' Hinge Bar

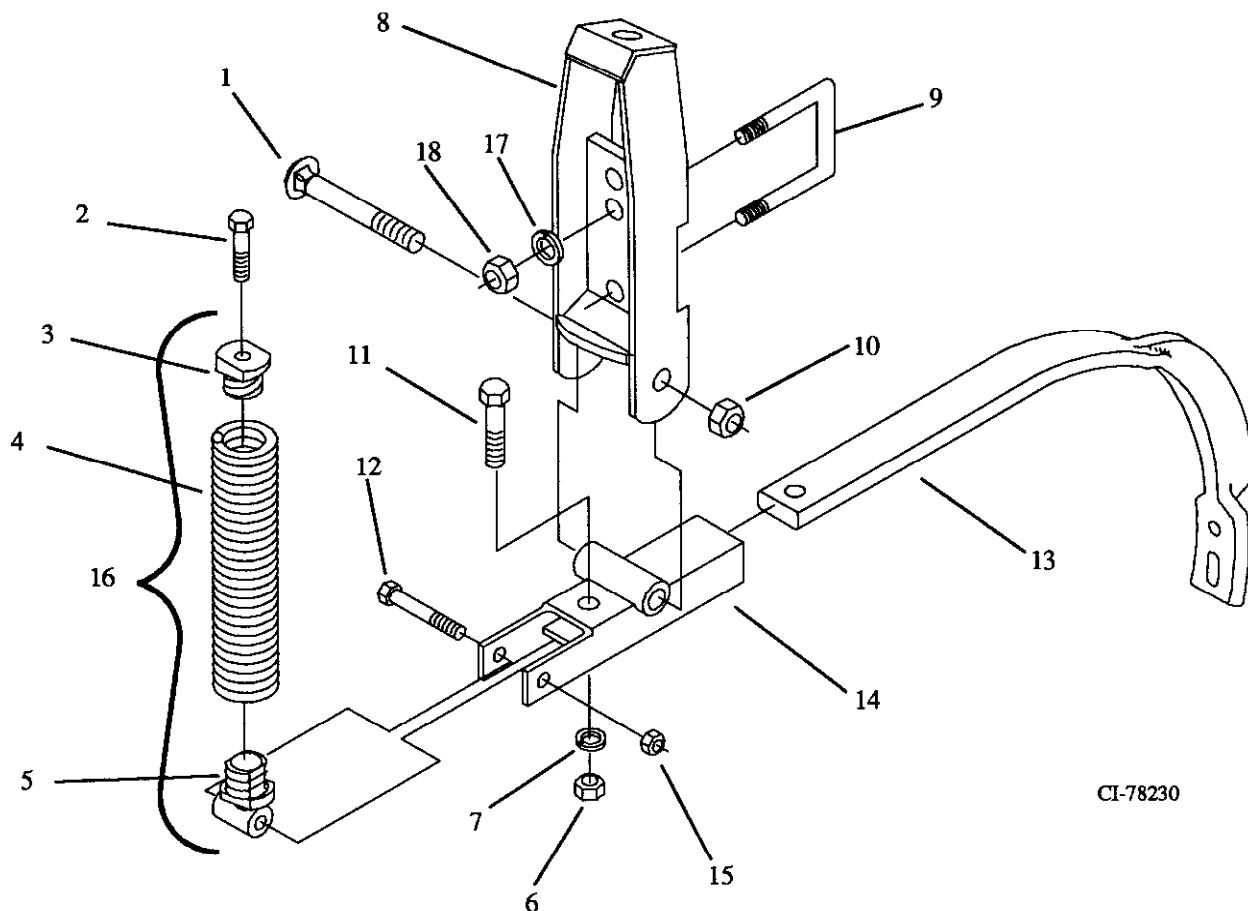
5th BAR WING



CI—78397

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	53337	2500 5th Bar 5FT Wing	4	48672	5th Bar Hinge Bushing (.656IDx1"ODx1.06)
	53338	2500 5th Bar 6-1/2FT Wing	5	88129	5/8 Lock Washer
	53339	2500 5th Bar 8FT Wing	6	88126	5/8NC Nut
	53340	2500 5th Bar 10-1/2FT Wing	7	88311	5/8NCx2-1/2x3-3/4 U-Bolt
2	88294	5/8NCx2 GR5 Bolt	8	53335	2500 5th Bar Front Stub
3	88277	5/8 Flat Washer			

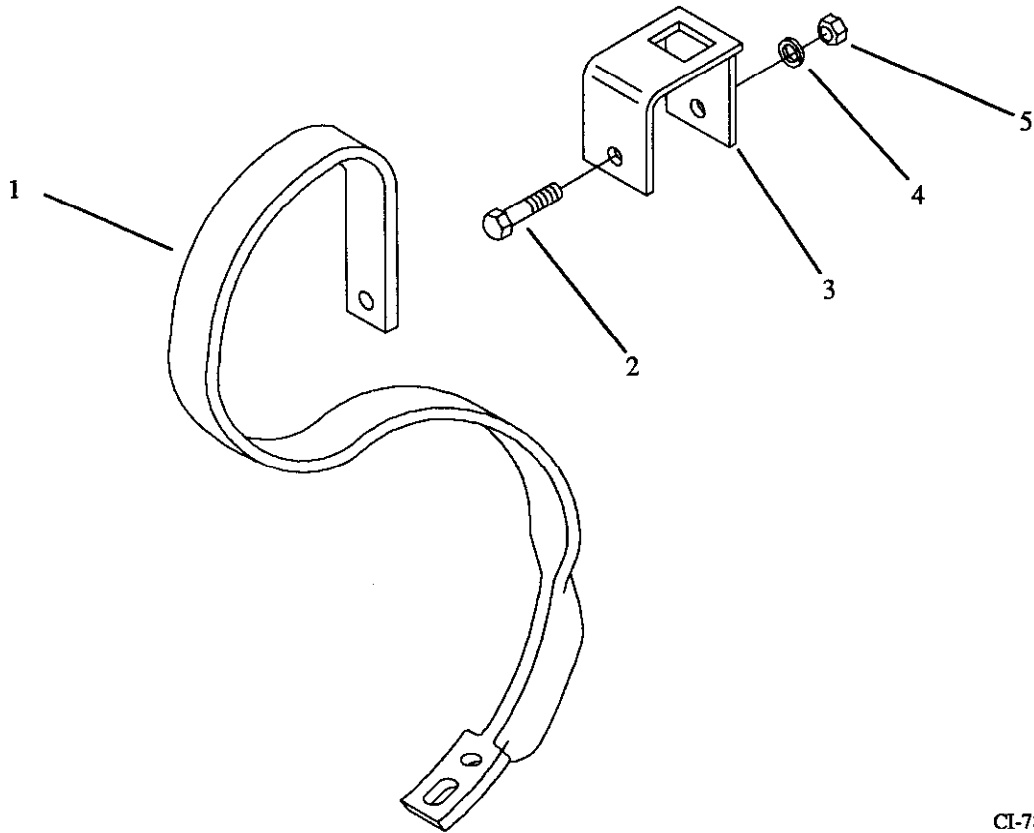
STANDARD SHANK ASSEMBLY



CI-78230

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	53404	3/8 Spring Edge Formed FC Shank Assy (Includes 1-8, 10-16)	9	88311	5/8NCx2-1/2x3-3/4 U-Bolt
	11455	Shank Assembly	10	22463	3/4NF Lock Nut
1	15579	Shank Carriage Bolt	11	88294	5/8NC x 2 GR5 Bolt
2	23153	1/2NC x 2 Bolt	12	20637	1/2NF x 3 Bolt
3	11398	Spring Plug	13	11511	Shank
4	11510	3/8DIA Wire Spring		53408	Edge Formed FC Shank(Shown)
5	11397	Spring Handle	14	11509	Shank Holder
6	88126	5/8NC Nut	15	88304	1/2NF Lock Nut
7	88129	5/8 Lock Washer	16	11540	Spring & Plug Assembly (Ref. Items 3-5)
8	11512	Shank Bracket	17	88129	5/8 Lock Washer
			18	88126	5/8NC Nut

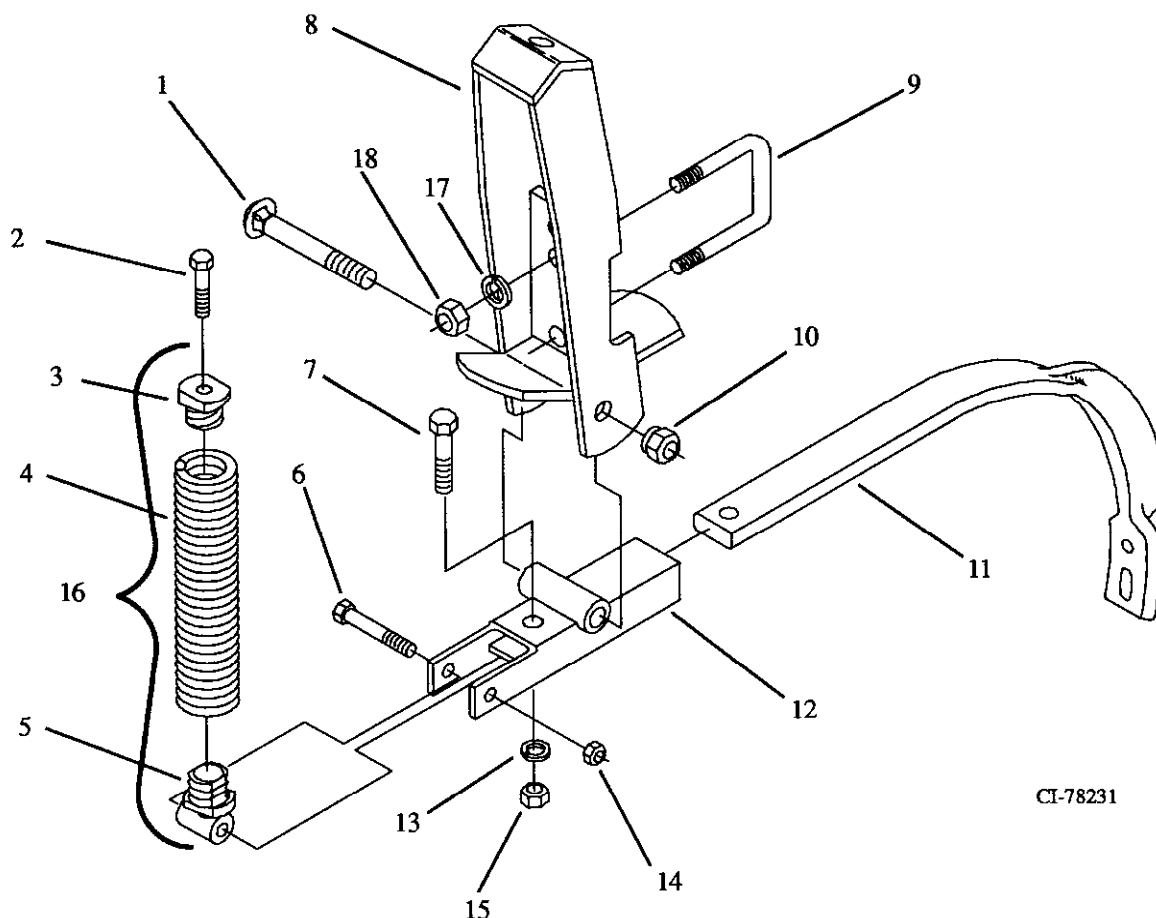
S-SHANK ASSEMBLY



CI-78232

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	53473	2500 Edge Formed S-Shank Assembly w/HDWE	1	53409	Edge Formed S-Shank (Shown)
	49646	2-1/2 SQ S-Shank w/HDWE		41412	Spring Tine Shank
			2	88381	5/8NCx4-1/2 GR5 Bolt
			3	41151	2-1/2 SQ Tine Clamp
			4	88129	5/8 Lock Washer
			5	88126	5/8NC Nut

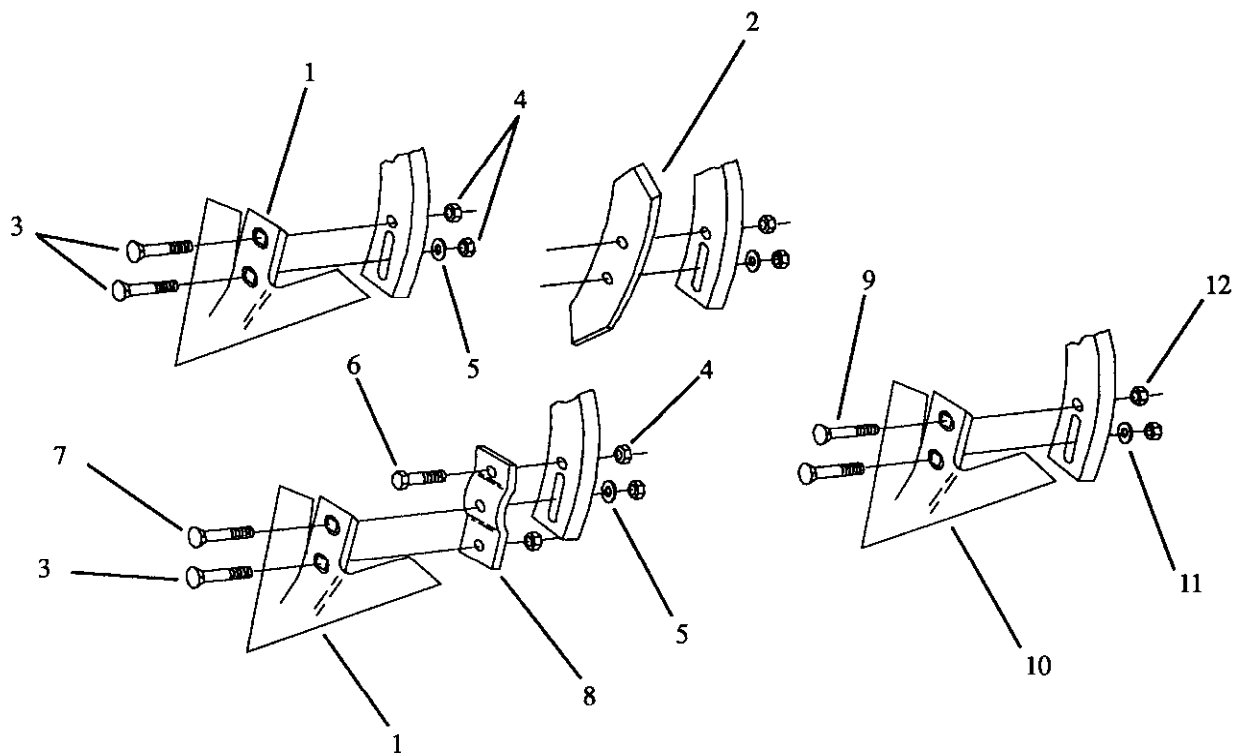
HIGH TORQUE SHANK ASSEMBLY



CI-78231

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	53407	2-1/2 Edge Formed Hi-Torque Shank Assy (Includes Items 1-8,10-16)	9	88311	5/8NCx2-1/2x3-3/4 U-Bolt
	48400	Hi-Torque Shank Assy (Includes Items 1-8, 10-16)	10	47926	Cone Base Nylon Insert Lock Nut
1	15579	Shank Carriage Bolt	11	11511	Shank
2	23153	1/2NC x 2 Bolt	12	27050	Shank Holder
3	11398	Spring Plug	13	88129	5/8 Lock Washer
4	11510	3/8DIA Wire Spring	14	88304	1/2NF Lock Nut
5	11397	Spring Handle	15	88126	5/8NC Nut
6	20637	1/2NC x 3 Bolt	16	11540	Spring & Plug Assembly (Ref. Items 3-5)
7	88294	5/8NCx2 GR5 Bolt	17	88129	5/8 Lock Washer
8	27051	Shank Bracket	18	88126	5/8NC Nut

SHOVELS, SWEEPS & SPIKES



CI-77905

ITEM PART NO. DESCRIPTION

1	25853	4" Low Crown Shovel (924)
	19802	7" High Crown Shovel
	19803	9" High Crown Shovel
	15221	9" Dura-Face Sweep
	21488	7" Low Crown Shovel (924)
	21489	9" Low Crown Shovel (924)
	21490	10" Low Crown Shovel (924)
	21491	12" Low Crown Shovel (924)
	21492	10" High Crown FC Shovel
	21493	12" High Crown FC Shovel
2	11952	2" Spike
	14695	2" Hard Surfaced Spike
	15220	2" Dura Faced Spike
3	88599	7/16NC x 1-1/2 Plow Bolt
	88632	7/16NCx1-3/4 Plow Bolt
4		(Repair Head)
	88344	7/16NC Heavy Hex Nut
5	88152	7/16 Flat Washer
6	88392	7/16NCx1-1/2 Bolt
7	88464	7/16NCx2-1/4 Plow Bolt
8	41575	FC Shovel Extension

ITEM PART NO. DESCRIPTION

9	88494	3/8NCx1-1/2 Plow Bolt
10	41638	4" Sweep (41°)
	41639	7" Sweep (41°)
	41640	9" Sweep (41°)
	41870	7" RH Sweep (41°)
	41869	7" LH Sweep (41°)
11	88282	3/8 Flat Washer
12	88103	3/8NC Heavy Hex Nut

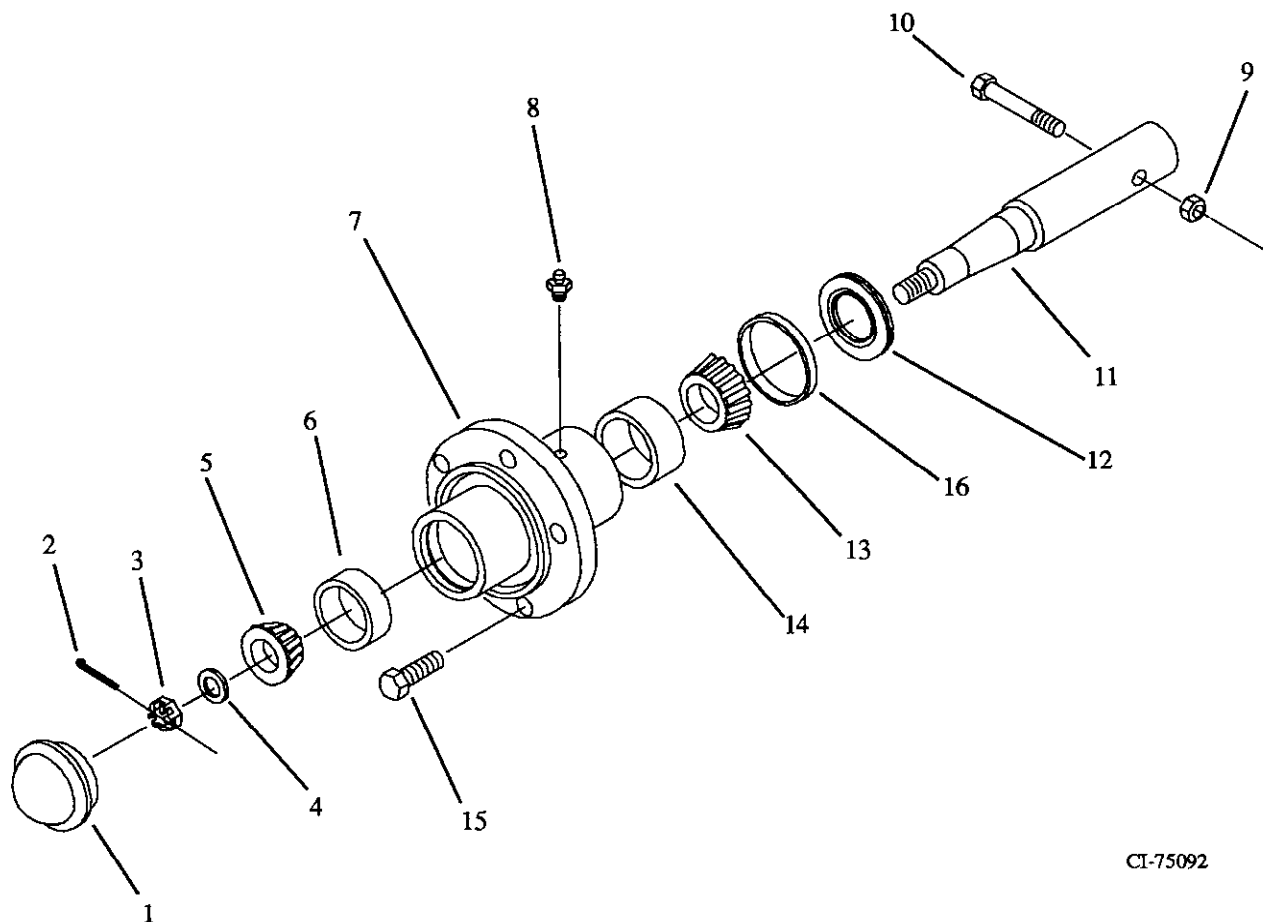
Shovel Bolt Kits

14685	HK 7/16x1-1/2 FC Shovel Kit
22297	HK 7/16x1-3/4 FC Shovel Kit
(Ref. Items 3-5 contains HDWE for 25 Shovels)	

Shovel Extension Kits

16339	FC Shovel Extension Kit
41216	Twin Spring FC Shovel Extension Kit
(Ref. Items 3-8 contains HDWE for 4 shovels)	

1-3/4" HUB & SPINDLE

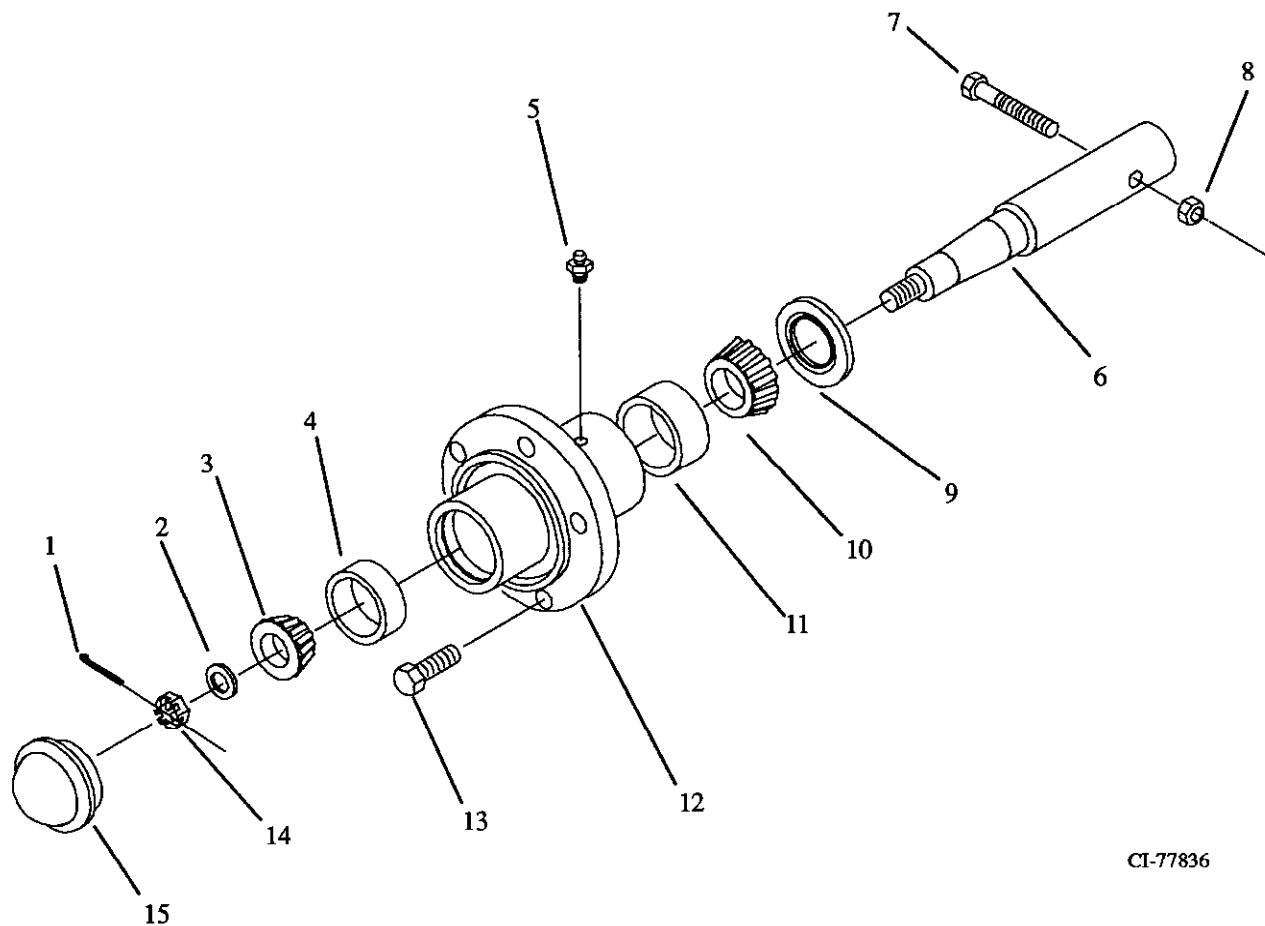


CI-75092

ITEM	PART NO.	DESCRIPTION
	41233	Hub & Spindle Assy (Items 1-8, 11-15)
1	11381	Dust Cap
2	88301	3/16x1-1/2 Cotter Pin
3	86340	7/8NF Slotted Nut
4	16094	7/8 Spindle Washer
5	10345	Outer Bearing Cone
6	10344	Outer Bearing Cup
7	30405	6Bolt Hub w/Cups (Includes 6, 8, 12 & 14)
8	88263	1/8NPT Grease Fitting
9	88304	1/2NF Lock Nut

ITEM	PART NO.	DESCRIPTION
10	88313	1/2NFx3 GR5 Bolt
11	41232	Spindle
12	11377	Seal (Single Lip)
	25585	Triple Lip Seal (1.62ID)
	26121	Wear Sleeve & Seal Kit (Includes Items 12, 16 & 76333Triple Lip Assy Instr.)
13	11378	Inner Bearing Cone
14	11379	Inner Bearing Cup
15	88142	1/2NFx1 Wheel Bolt 90° Head
16	25586	Wear Sleeve

2" HUB & SPINDLE

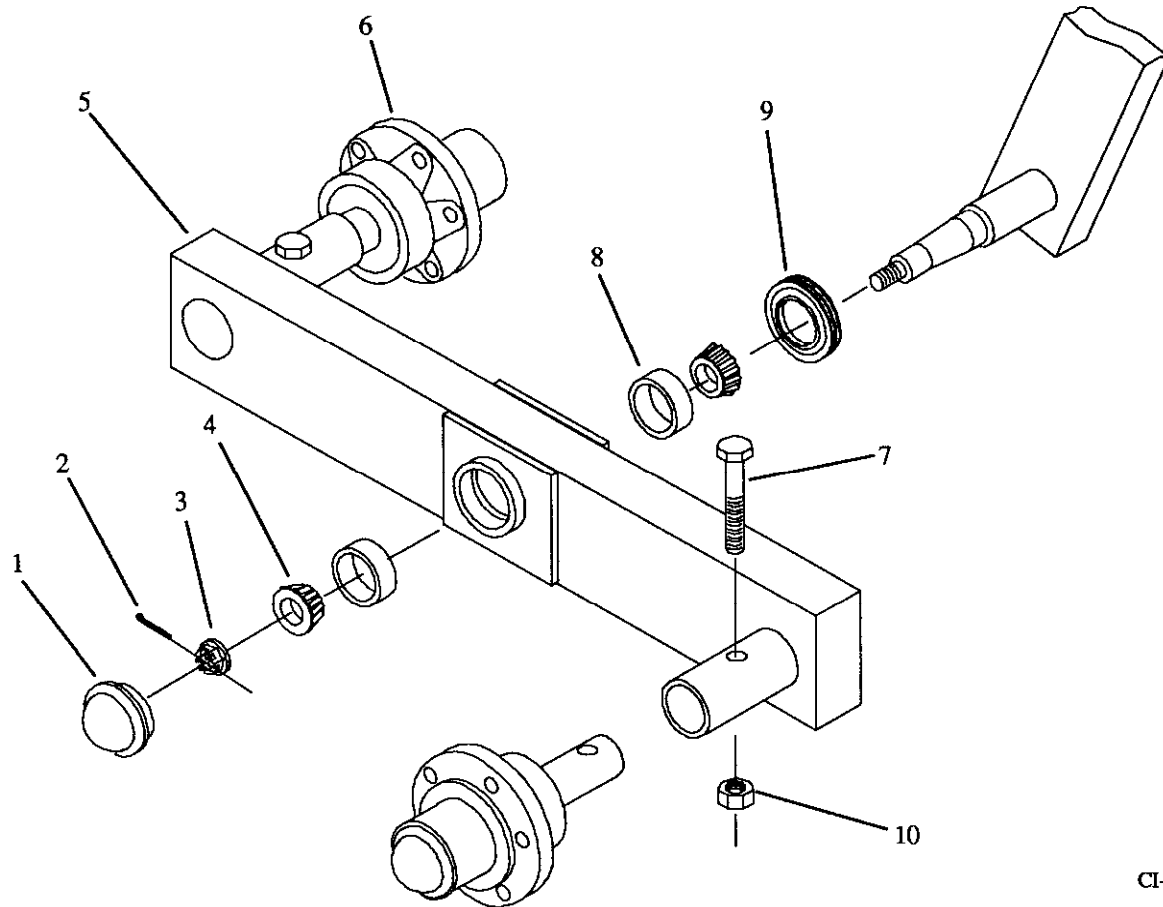


CI-77836

ITEM	PART NO.	DESCRIPTION
	14131	Hub & Spindle Assy (Items 1-4, 6, 8-15)
1	88301	3/16x1-1/2 Cotter Pin
2	16094	7/8 Spindle Washer
3	10345	Outer Bearing Cone
4	10344	Outer Bearing Cup
5	88263	1/8NPT Grease Fitting
6	14251	Spindle
7	88429	1/2NFx3-1/4 GR5 Bolt

ITEM	PART NO.	DESCRIPTION
8	88304	1/2NF Lock Nut
9	14247	Seal
10	14248	Inner Bearing Cone
11	14249	Inner Bearing Cup
12	24097	2" Pressed Hub (Includes 4-5 & 11)
13	88142	1/2NFx1 Wheel Bolt 90° Head
14	88340	7/8NF Slotted Nut
15	11381	Dust Cap

1-3/4" WALKING TANDEM

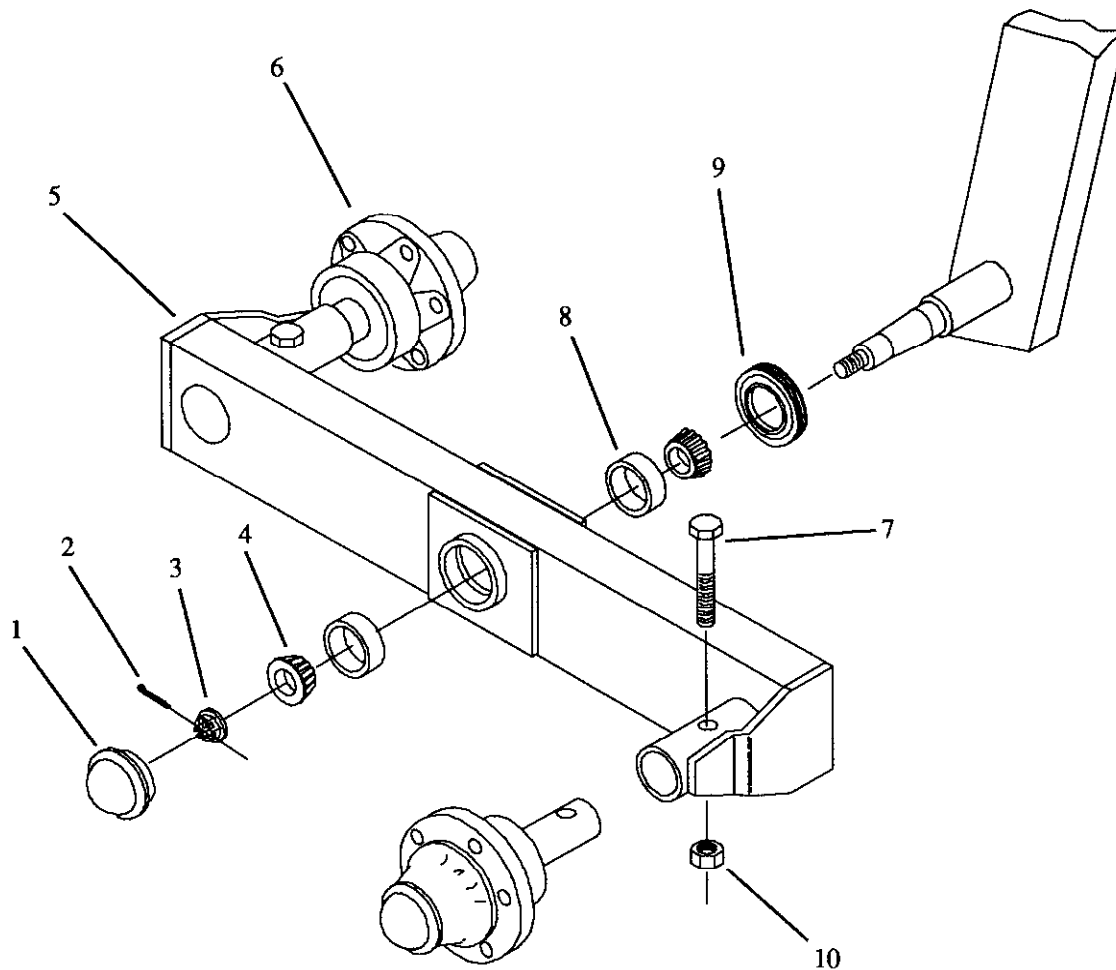


CI-77904

ITEM	PART NO.	DESCRIPTION
1	12206	Dust Cap
2	88133	3/16x2 Cotter Pin
3	12712	Walking Tandem Nut Assy
4	12103	Bearing Cone
5	12681	1-3/4 x 16 WTA Assy (Includes Item 8)

ITEM	PART NO.	DESCRIPTION
6	41233	1-3/4" Hub & Spindle Assy
7	88313	1/2NFx3 GR5 Bolt
8	12104	Bearing Cup
9	23733	Triple Lip Seal Kit
	26120	Seal
	76235	Triple Lip Seal Assy Instruction
10	88304	1/2NF Lock Nut

2" WALKING TANDEM

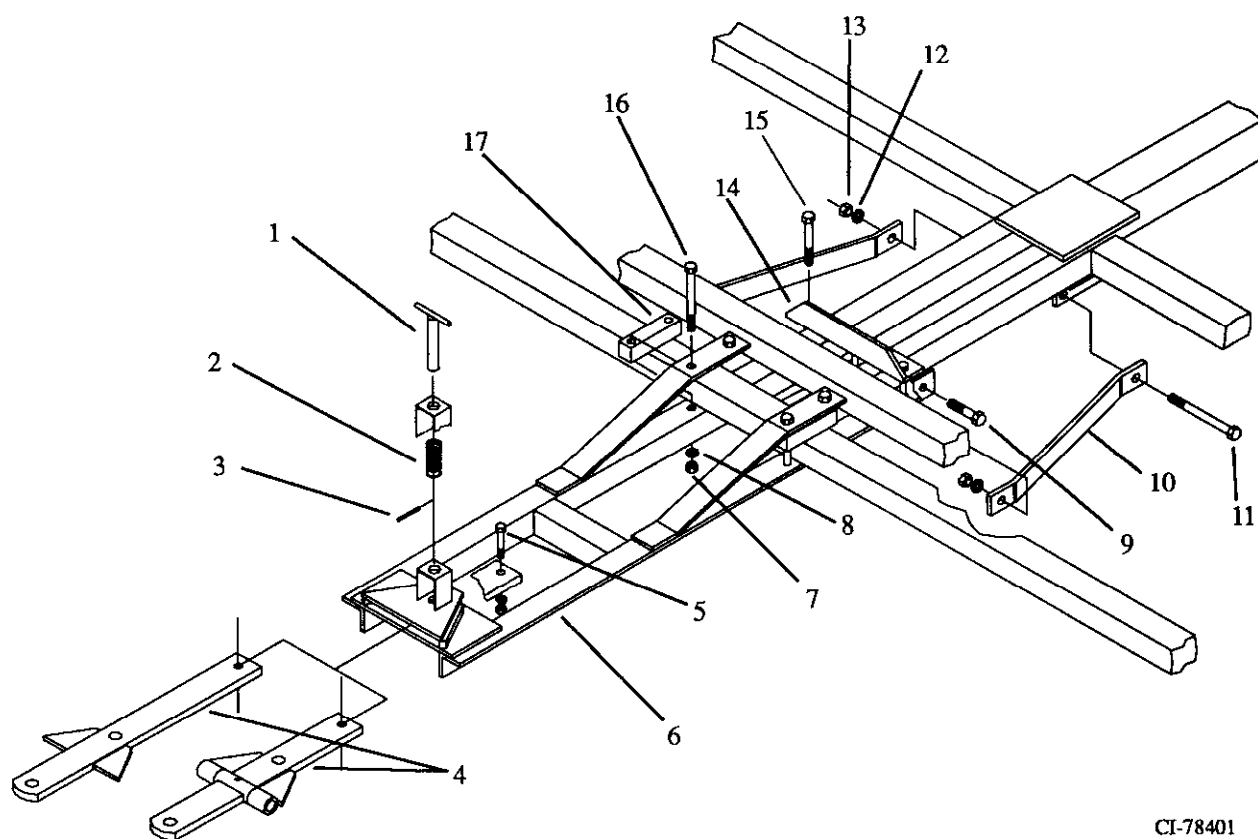


CI-75067

ITEM	PART NO.	DESCRIPTION
1	12206	Dust Cap
2	88133	3/16x2 Cotter Pin
3	12712	Walking Tandem Nut Assy
4	12103	Bearing Cone
5	15905	2x15.75 WTA Assy (Includes Item 8)

ITEM	PART NO.	DESCRIPTION
6	14131	2" Hub & Spindle Assy
7	88429	1/2NFx3-1/4 GR5 Bolt
8	12104	Bearing Cup
9	23733	Triple Lip Seal Kit
	26120	Seal
	76235	Triple Lip Seal Assy Instruction
10	88304	1/2NF Lock Nut

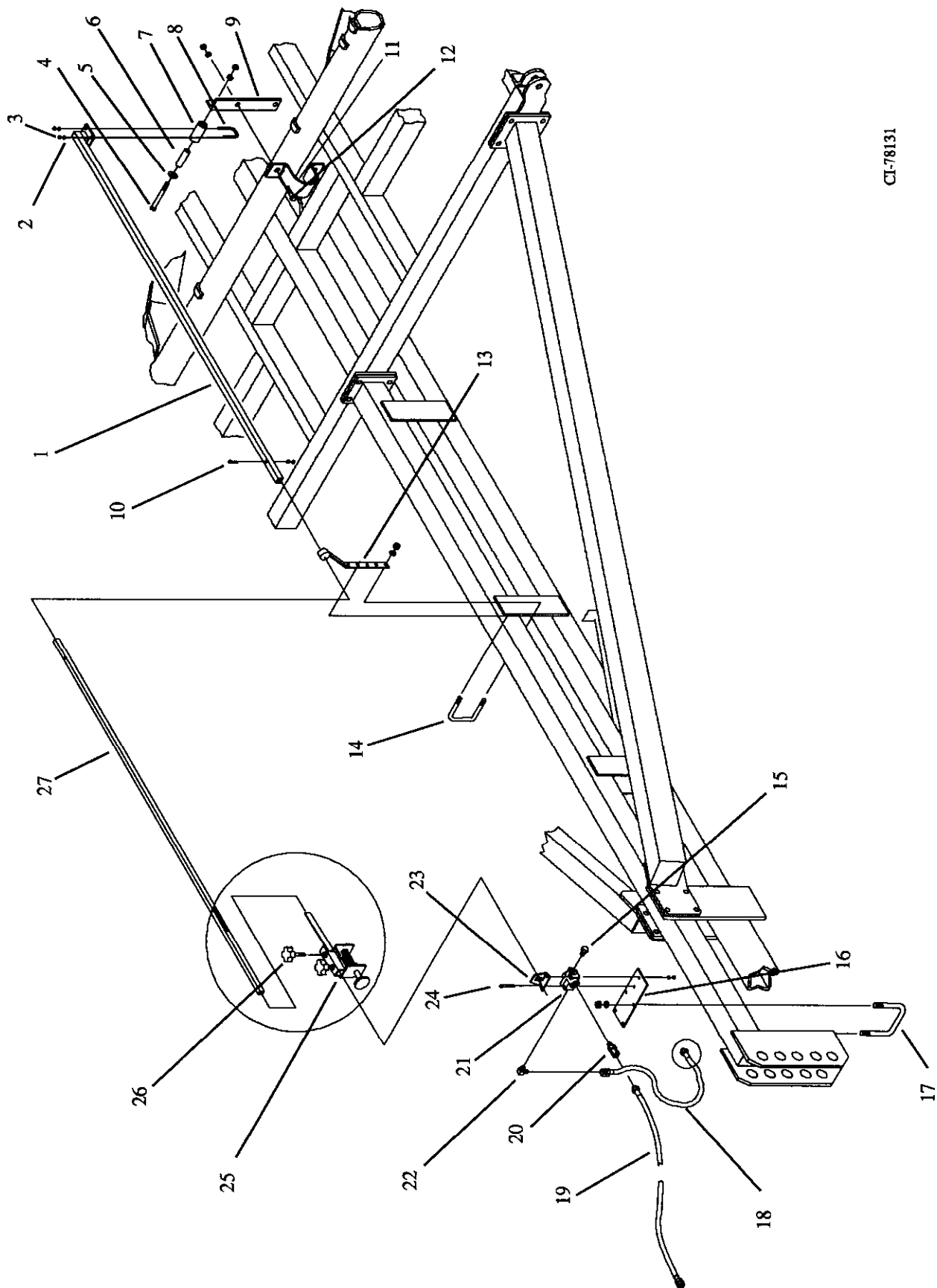
AUXILIARY HITCH



CI-78401

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	22116	Auxiliary Hitch Kit w/Straight Tongue	7	88126	5/8NC Nut
	22117	Auxiliary Hitch Kit w/Hinged Tongue	8	88129	5/8 Lock Washer
1	15922	Pin Assembly	9	88290	3/4NCx2 GR8 Bolt
2	15940	Spring	10	15921	Pole Strap
3	88101	1/4x2-1/2 Cotter Pin	11	88335	3/4NCx7 GR5 Bolt
4	15918	Straight Tongue Assembly	12	88130	3/4 Lock Washer
	18443	Hinged Tongue Assembly	13	88110	3/4NC Nut
5	88294	5/8NCx2 GR5 Bolt	14	18436	Angle Clamp
6	18447	Hitch Frame Assembly	15	88381	5/8NCx4-1/2 GR5 Bolt
			16	88295	5/8NCx6 Bolt
			17	22114	Spacer Bar

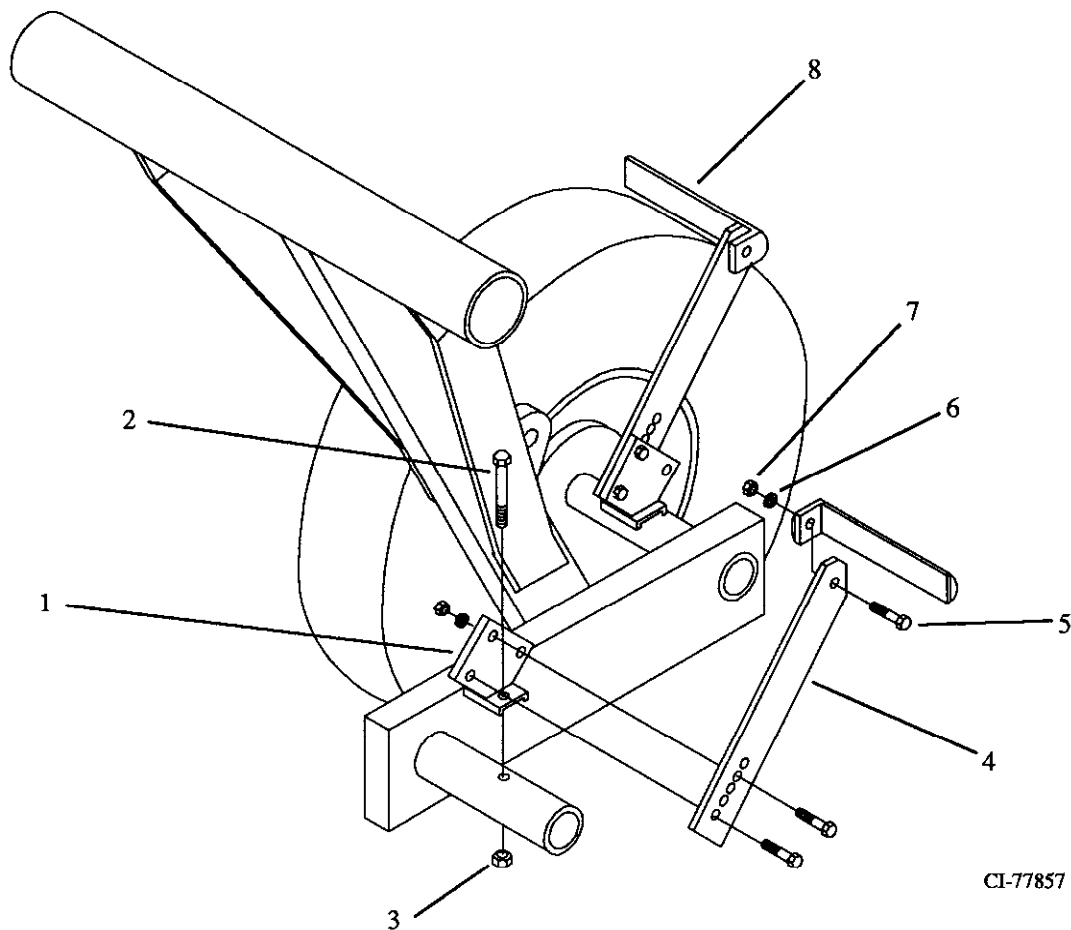
SINGLE POINT DEPTH CONTROL



CL-78131

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	54816	Anchor Tube	15	88296	1/2NPT Plug
2	88358	5/16 Lock Washer	16	54819	Base Plate
3	88127	5/16NC Nut	17	88385	3/8NCx4x4-3/4 U-Bolt
4	88395	5/8NCx5 Bolt	18	13260	3/8x24 Hose (MF)
5	88277	5/8 Flat Washer	19	13269	3/8x84 Hose (MF)
6	54820	Bushing (1"ODx3-5/8")	20	51981	Adapter (1/2NPTx3/4JIC)
7	54821	Bushing (1-5/8"ODx3-1/2")	21	51975	DCV Assembly
8	18280	Tube Clamp (1-1/2"OD)	22	13236	Elbow
9	54818	Angle	23	51941	Guide
10	88479	5/16NCx1-1/2 Bolt	24	89004	5/16NCx2-1/2 Bolt
11	19650	Axle Cap	25	54455	Bracket
12	88604	3/4NCx2 GR5 Bolt	26	51976	Adjustment Knob
13	54823	Depth Setting Tube Support	27	54817	Depth Setting Tube
14	88385	3/8NCx4X4-3/4 U-Bolt			

SCRAPERS



CI-77857

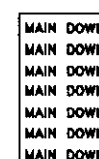
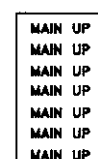
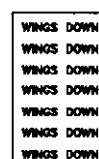
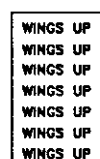
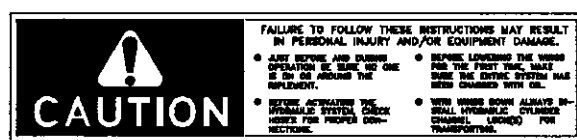
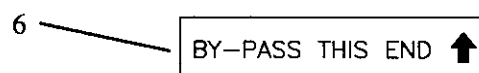
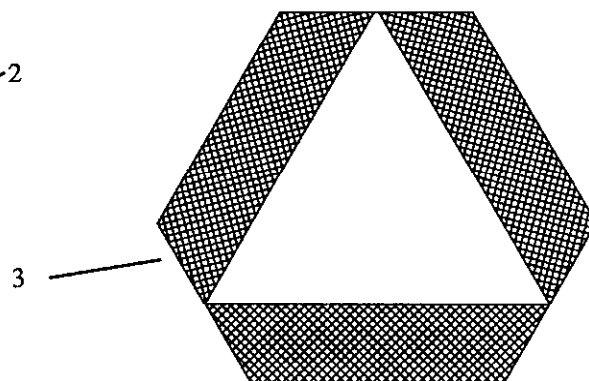
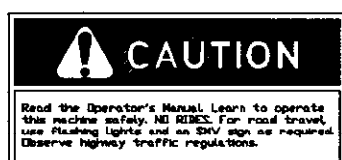
ITEM	PART NO.	DESCRIPTION
	40924	1-3/4 & 2" Mud Scraper Kit (Each kits does 2 tires.)
1	40921	Mount Assembly
2	88595	1/2NCx4 GR5 Bolt
3	88363	1/2NC Lock Nut

ITEM	PART NO.	DESCRIPTION
4	40915	Scraper Bar
5	88475	1/2NCx1-1/2 GR5 Bolt
6	88303	1/2 Lock Washer
7	88104	1/2NC Nut
8	40916	Scraper Blade

DECALS

WIL-RICH 2800

WIL-RICH®



CI-78428

ITEM	PART NO.	DESCRIPTION
1	54330	2800 Decal Kit
2	18298	3/4 x 9 Wil-Rich Decal
	18299	1-1/8 x 13 Wil-Rich Decal
	18300	1-3/4 x 30 Wil-Rich Decal
3	41345	SMV Kit
4	22128	Danger Decal
5	23325	Caution Decal
6	20339	By-Pass Decal

ITEM	PART NO.	DESCRIPTION
7	53334	Caution Decal
8	20119	Screw Stop Adj Decal
9	20121	Restrictor Decal
10	54900	Wings Up Decal
11	54901	Wings Down Decal
12	54902	Main Up Decal
13	54903	Main Down Decal