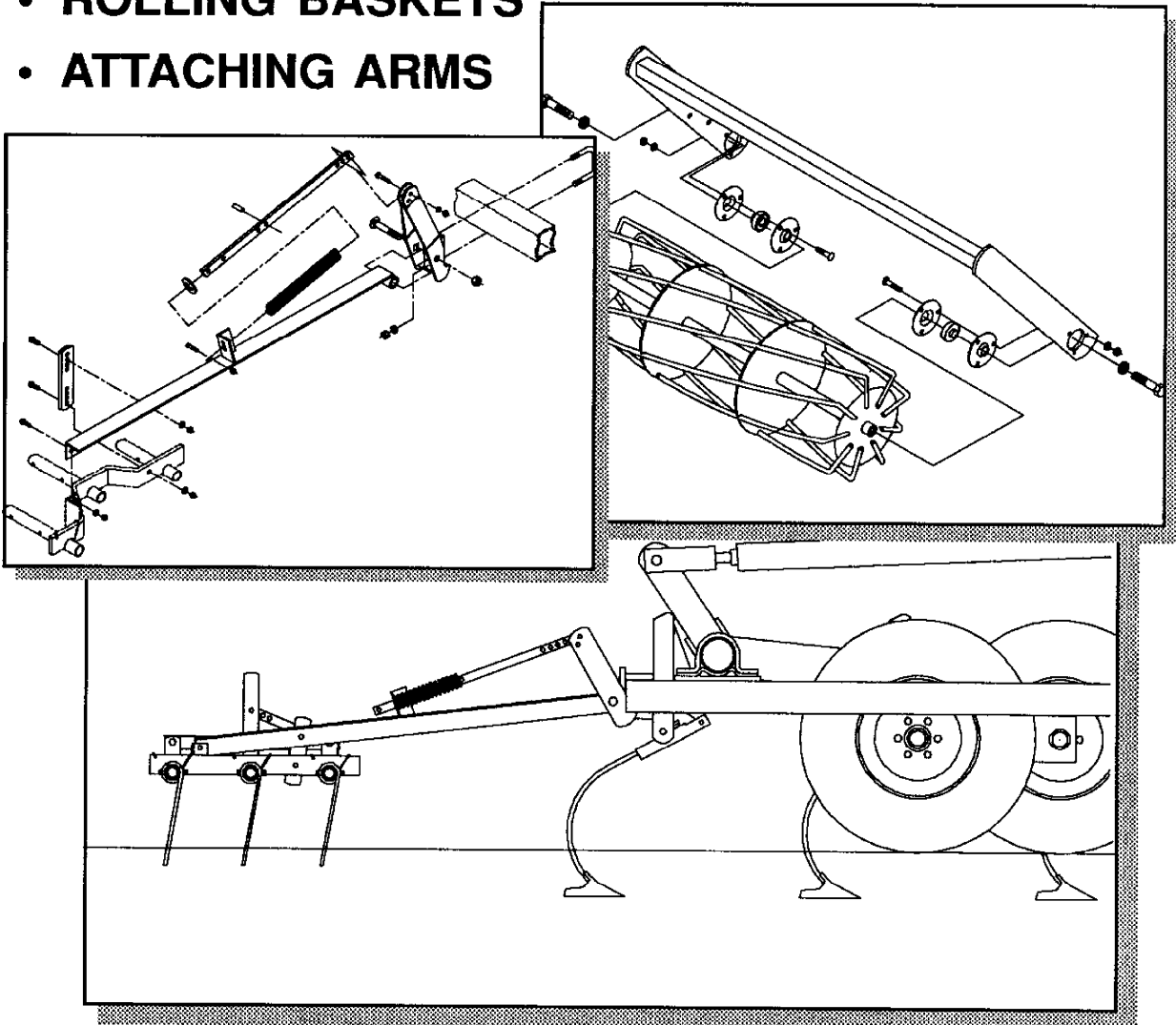


WIL-RICH®

- COIL TINE HARROWS
- SPIKE HARROWS
- ROLLING BASKETS
- ATTACHING ARMS

PARTS



PRINTED IN USA (74158) J/M 5/92-1,000

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

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.

GENERAL INFORMATION

ORIENTATION

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

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
BOP	Box of Parts
GR	Grade of Bolt
HA	Harrow
HD	Heavy Duty
HK	Hardware Kit
NC	National Coarse Thread
NF	National Fine Thread

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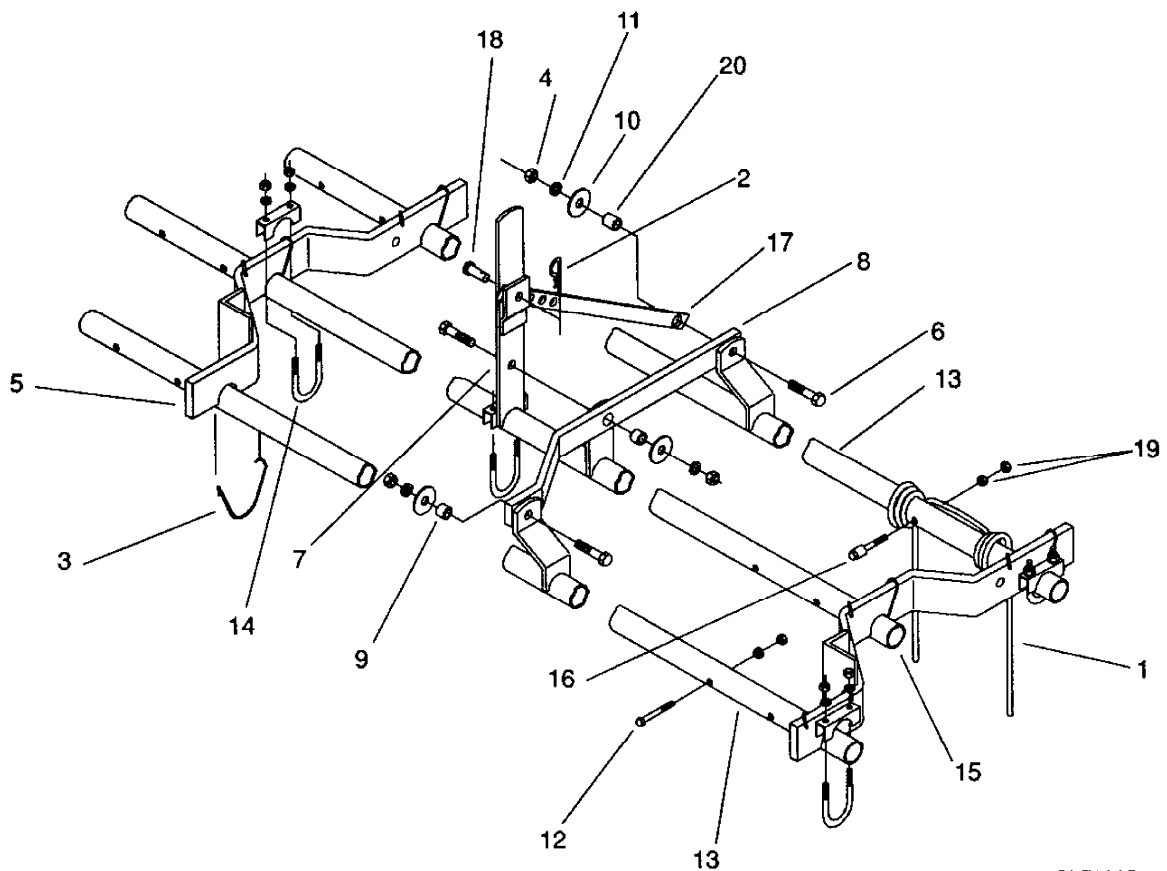
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3' 3 BAR COIL TINE HARROW SECTION (BLACK)



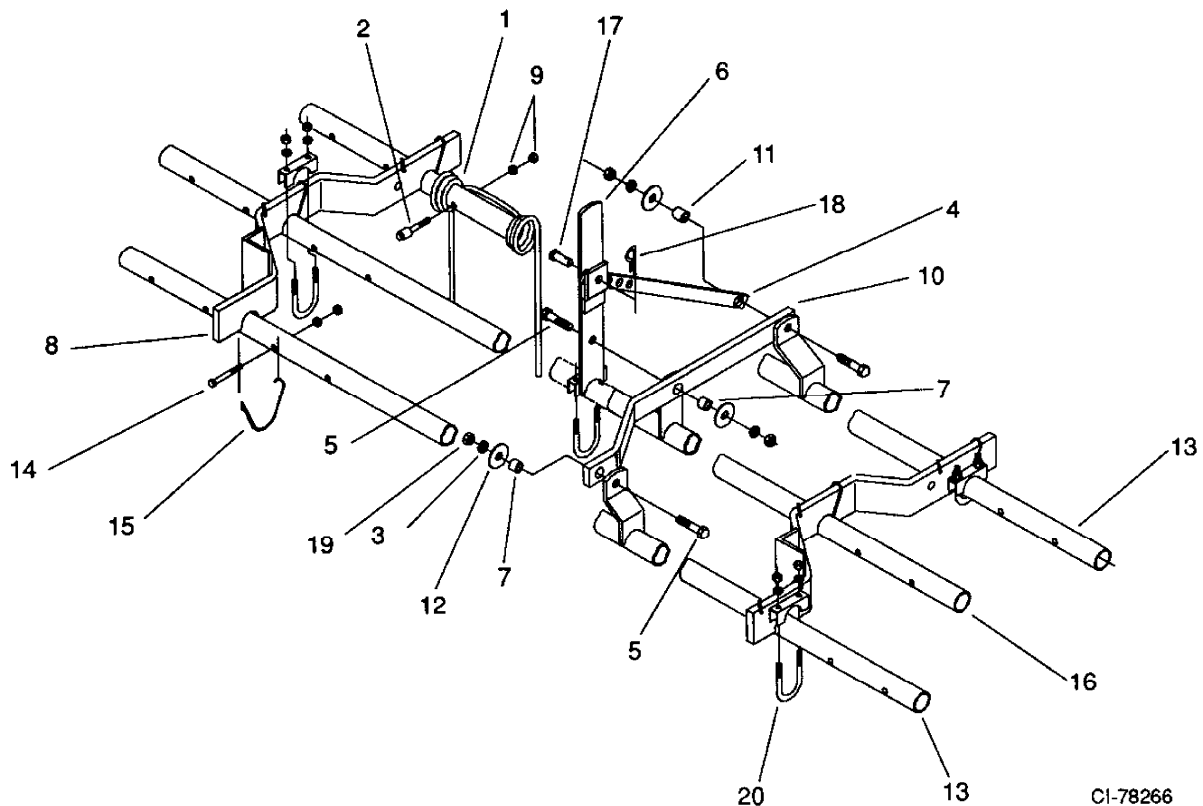
CI-78265

COMPLETE SECTION

51274	3FT 3 Bar Harrow Section Assembly 12" (Black)
51275	3FT 3 Bar Harrow Section Assembly 16" (Black)

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
			9	51220	.51IDx3/4ODx.56 Bushing
			10	88347	1/2 Flat Washer
			11	88303	1/2 Lock Washer
			12	88499	3/8NC x 2 GR2 Bolt
			13	54690	3' Bar #1 (Black)
			14	13515	Harrow Tube Clamp, Includes;
				18280	1-1/2OD Tube Clamp (1)
				18281	1-1/2" Tube Saddle (1)
				88127	5/16NC Nut (2)
				88358	5/16 Lock Washer (2)
			15	54691	3' Bar #2 (Black)
			16	32744	3/8NC x 2-1/2 Shoulder Bolt
			17	51221	Adjustment Bar (Black)
			18	51265	Adjustment Pin
			19	88103	3/8NC Nut
			20	48594	.51IDx3/4ODx.81 Bushing
1	51292	16" Harrow Spring (Black)			
	51291	12" Harrow Spring (Black)			
2	23039	5/32x2-11/16 Spring Lock Pin			
3	49931	Harrow Tube Clip			
4	88104	1/2NC Nut			
5	54700	3 Bar Tube Holder (Black)			
6	88517	1/2NC x 1-3/4 GR5 Bolt			
7	51222	Black Adjustment Handle			
8	54701	3 Bar Tie Strap (Black)			

4-1/2' 3 BAR COIL TINE HARROW SECTION (BLACK)



COMPLETE SECTIONS

51276	4-1/2' 3 Bar Harrow Section Assembly 12" (Black)
51277	4-1/2' 3 Bar Harrow Section Assembly 16" (Black)

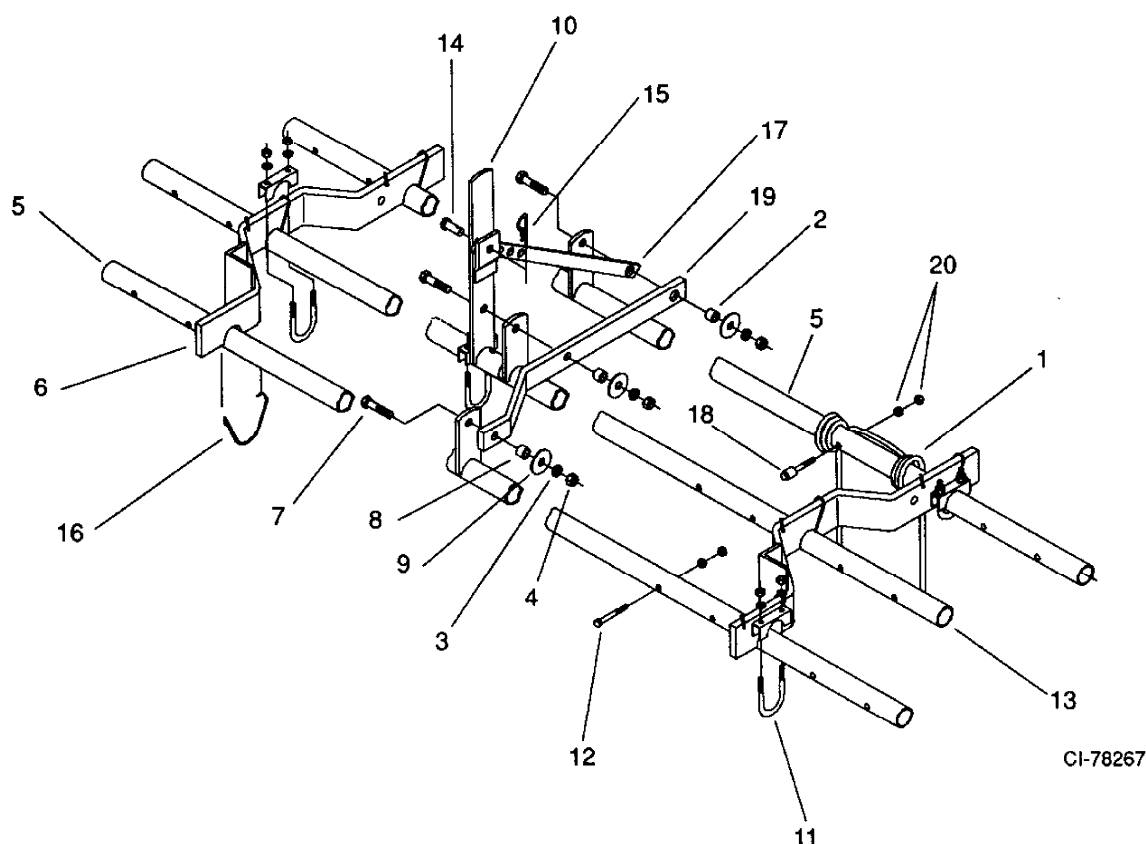
ITEM PART NO. DESCRIPTION

1	51292	16" Harrow Spring (Black)
	51291	12" Harrow Spring (Black)
2	32744	3/8NC x 2-1/2 Shoulder Bolt
3	88303	1/2 Lock Washer
4	51221	Tooth Adjustment Bar (Black)
5	88517	1/2NC x 1-3/4 GR5 Bolt
6	51222	Adjustment Handle (Black)
7	51220	.51IDx3/4ODx.56 Bushing
8	54700	3 Bar Tube Holder (Black)

ITEM PART NO. DESCRIPTION

9	88103	3/8NC Nut
10	54701	3 Bar Tie Strap (Black)
11	48594	.51x3/4ODx.81 Bushing
12	88347	1/2 Flat Washer
13	54692	4-1/2' Bar #1 (Black)
14	88499	3/8NC x 2 GR2 Bolt
15	49931	Harrow Tube Clip
16	54693	4-1/2' Bar #2
17	51265	Adjustment Pin
18	23039	5/32x2-11/16 Spring Lock Pin
19	88104	1/2NC Nut
20	13515	Harrow Tube Clamp, Includes;
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)

6' & 7-1/2' 3 BAR COIL TINE HARROW SECTIONS (BLACK)



CI-78267

COMPLETE SECTIONS

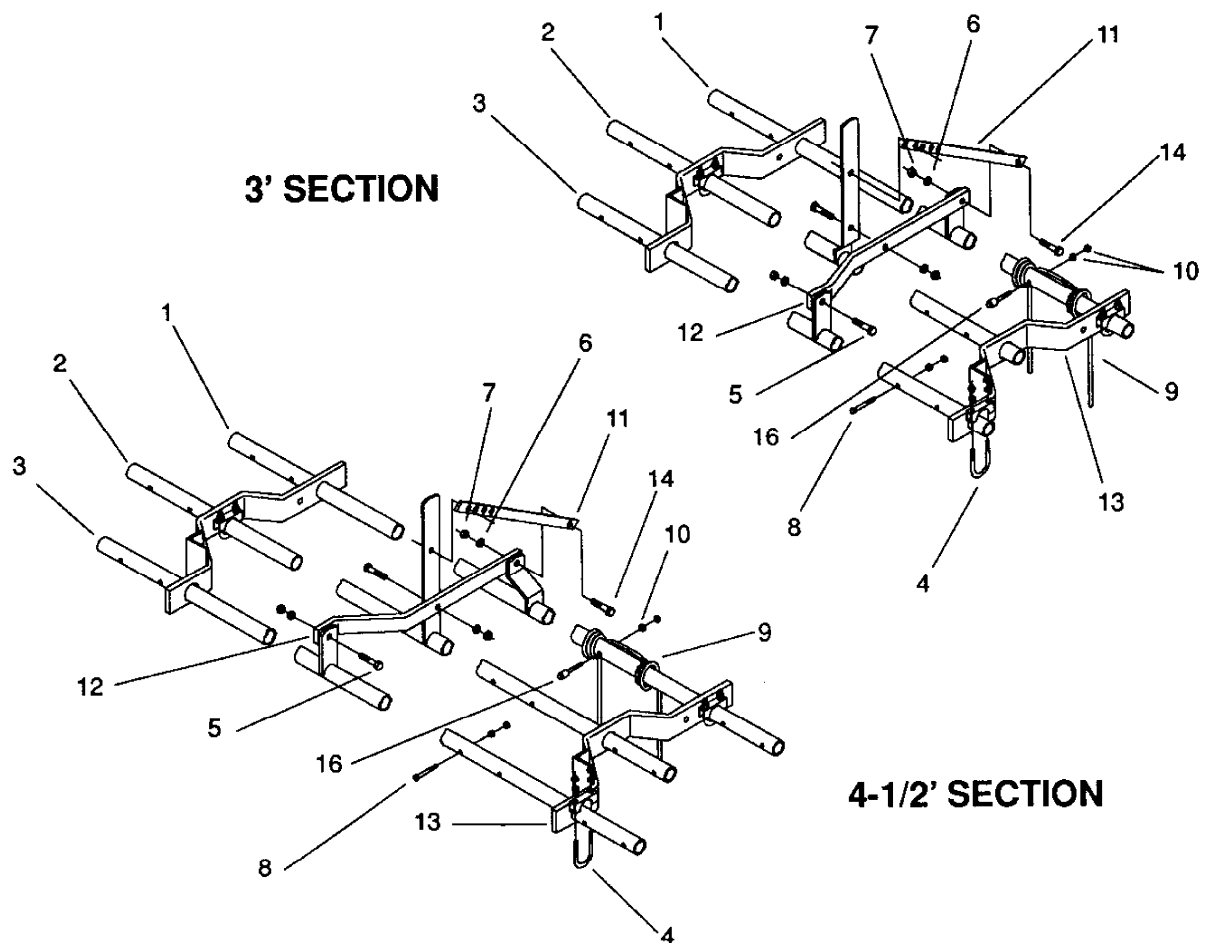
51278	6' 3Bar Harrow Section Assembly 12" (Black)
51279	6' 3Bar Harrow Section Assembly 16" (Black)
51280	7-1/2' 3Bar Harrow Section Assembly 12" (Black)
51281	7-1/2' 3Bar Harrow Section Assembly 16" (Black)

ITEM	PART NO.	DESCRIPTION
1	51292	16" Harrow Spring (Black)
	51291	12" Harrow Spring (Black)
2	48594	.510x3/4ODx.81 Bushing
3	88303	1/2 Lock Washer
4	88104	1/2NC Nut
5	54694	6' Tube #1 (Black)
	54696	7-1/2' Tube #1 (Black)
6	54700	3 Bar Tube Holder

ITEM	PART NO.	DESCRIPTION
7	88517	1/2NC x 1-3/4 GR5 Bolt
8	51220	.511IDx3/4ODx.56 Bushing
9	88347	1/2 Flat Washer
10	51222	Adjustment Handle (Black)
11	13515	Harrow Tube Clamp, Includes;
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)
12	88499	3/8NC x 2 GR2 Bolt
13	54695	6' Tube #2 (Black)
	54697	7-1/2' Tube #2 (Black)
14	51265	Adjustment Pin
15	23039	5/32x2-11/16 Spring Lock Pin
16	49931	Harrow Tube Clip
17	51221	Tooth Adjustment Bar
18	32744	3/8NCx2-1/2 Shoulder Bolt
19	54701	3 Bar Tie Strap (Black)
20	88103	3/8NC Nut

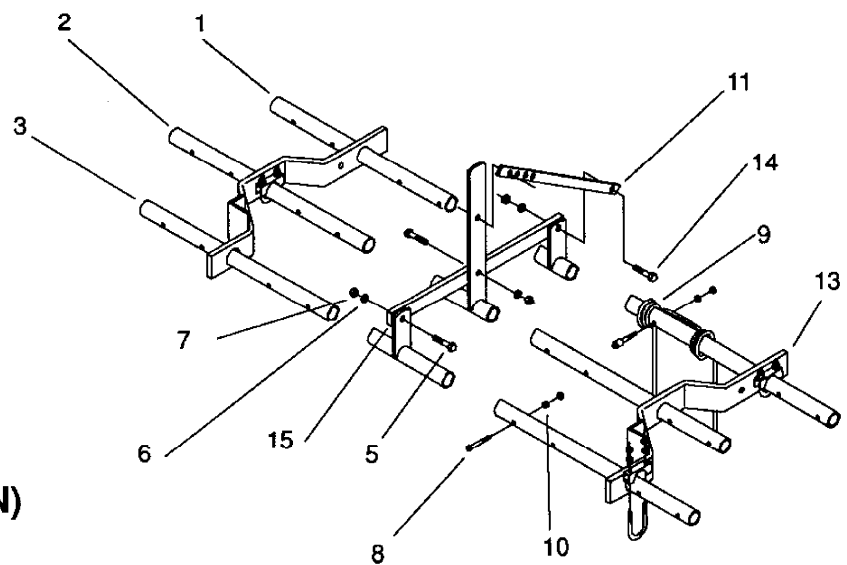
3 BAR COIL TINE HARROW SECTIONS (RED)

Prior To 8/90



6' SECTION (SHOWN)

7-1/2' SECTION



CI-78290

COMPLETE SECTIONS

26945	3' Section 12" Tooth
22993	4-1/2' Section 12" Tooth
13472	6' Section 12" Tooth
13490	7-1/2' Section 12" Tooth
27049	3' Section 16" Tooth
22994	4-1/2' Section 16" Tooth
16259	6' Section 16" Tooth
16260	7-1/2' Section 16" Tooth

ITEM	PART NO.	DESCRIPTION
1	26946	3' Front Tube
	22968	4-1/2' Front Tube
	13453	6' Front Tube
	13456	7-1/2' Front Tube
2	26947	3' Center Tube
	22967	4-1/2' Center Tube
	13462	6' Center Tube
	13457	7-1/2' Center Tube
3	26948	3' Rear Tube
	22966	4-1/2' Rear Tube
	13455	6' Rear Tube
	13458	7-1/2' Rear Tube
4	13515	Harrow Tube Clamp, Includes;
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)
5	88554	1/2NC x 1-1/4 GR5 Bolt
6	88303	1/2 Lock Washer
7	88104	1/2NC Nut
8	88499	3/8NC x 2 Bolt
9	41411	12" Harrow Spring
	41410	16" Harrow Spring
10	88103	3/8NC Nut
11	13431	Tooth Adjust Bar
12	22969	3Bar Tie Strap
13	13509	Section Bar
14	88475	1/2NC x 1-1/2 GR2 Bolt
15	13430	Tube Adjust Bar
16	32744	3/8NC x 2-1/2 Shoulder Bolt

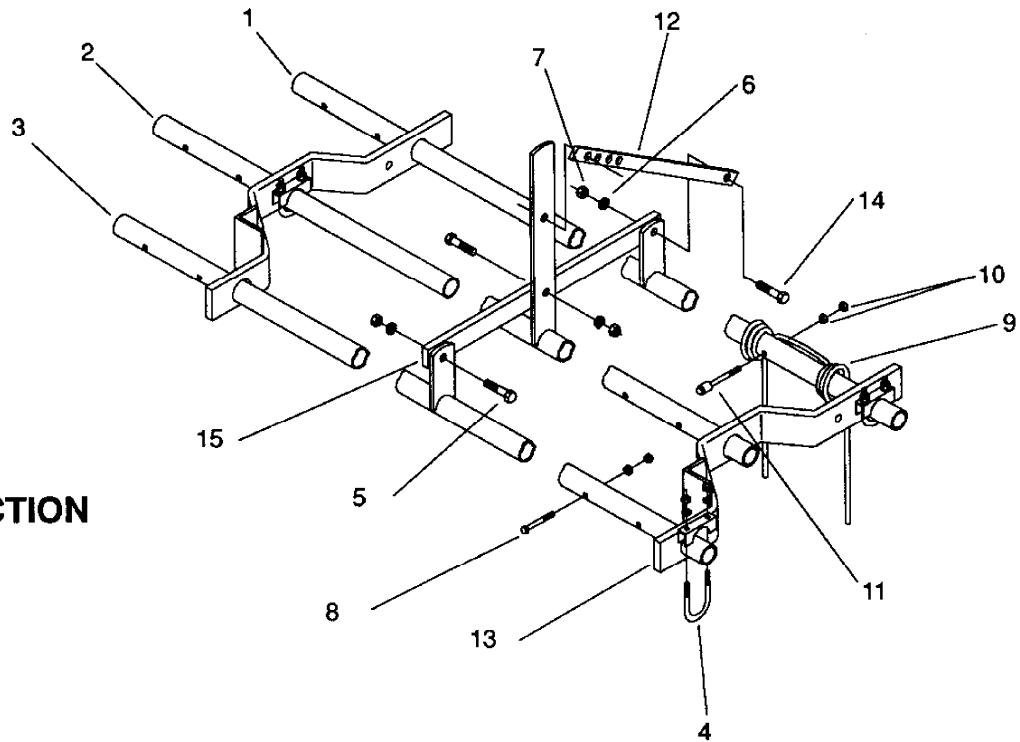
NOTE: Complete sections are obsolete and replaced by the following:

26945	Replaced By 51274
22993	Replaced By 51276
13472	Replaced By 51278
13490	Replaced By 51280
27049	Replaced By 51275
22994	Replaced By 51277
16259	Replaced By 51279
16260	Replaced By 51281

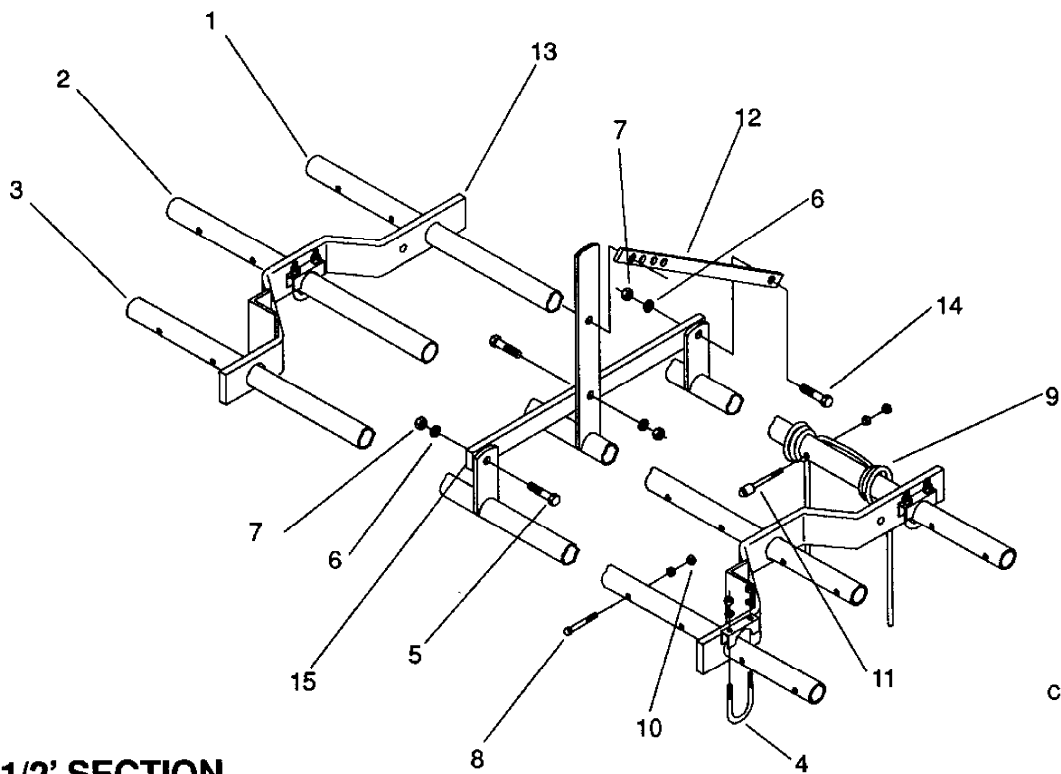
3 BAR COIL TINE HARROW SECTIONS (RED)

Prior To 1/85

3' SECTION



4-1/2' SECTION



CI-78292

COMPLETE SECTIONS

15936	3' Section 12" Tooth
13454	4-1/2' Section 12" Tooth
16257	3' Section 16" Tooth
16258	4-1/2' Section 16" Tooth

ITEM	PART NO.	DESCRIPTION
1	15867	3' Front Tube
	13450	4-1/2' Front Tube
2	15868	3' Center Tube
	13451	4-1/2' Center Tube
3	15869	3' Rear Tube
	13451	4-1/2' Rear Tube
4	13515	Harrow Tube Clamp; Includes:
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/8NC Nut (2)
	88358	5/16 Lock Washer (2)

ITEM	PART NO.	DESCRIPTION
5	88554	1/2NC x 1-1/4 GR5 Bolt
6	88303	1/2 Lock Washer
7	88104	1/2NC Nut
8	88499	3/8NC x 2 GR2 Bolt
9	41411	12" Harrow Spring
	41410	16" Harrow Spring
10	88103	3/8NC Nut
11	32744	3/8NC x 2-1/2 Shoulder Bolt
12	13431	Tooth Adjust Bar
13	13509	Section Bar Assembly
14	88475	1/2NC x 1-1/2 GR5 Bolt
15	13430	Tube Adjust Bar

NOTE: Complete sections are obsolete and replaced by the following:

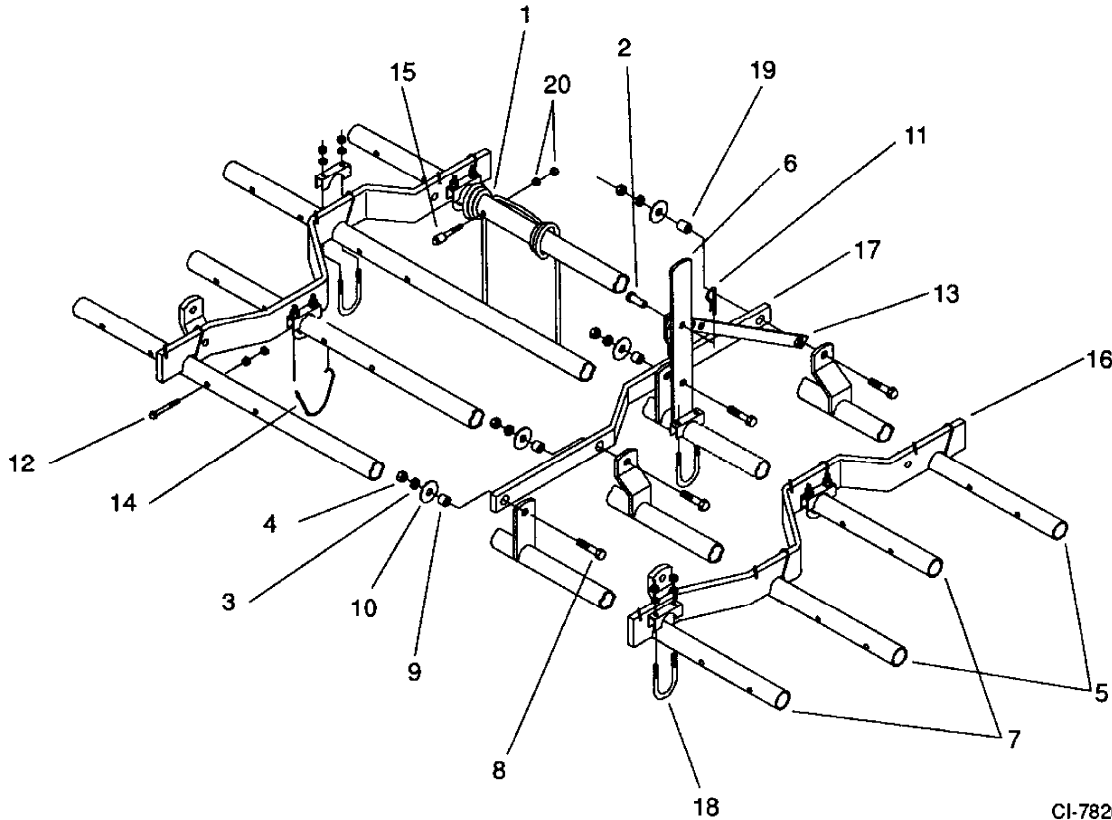
15936 Replaced By 51274

13454 Replaced By 51276

16257 Replaced By 51275

16258 Replaced By 51277

4-1/2' 4 BAR COIL TINE HARROW SECTION (BLACK)



COMPLETE SECTIONS

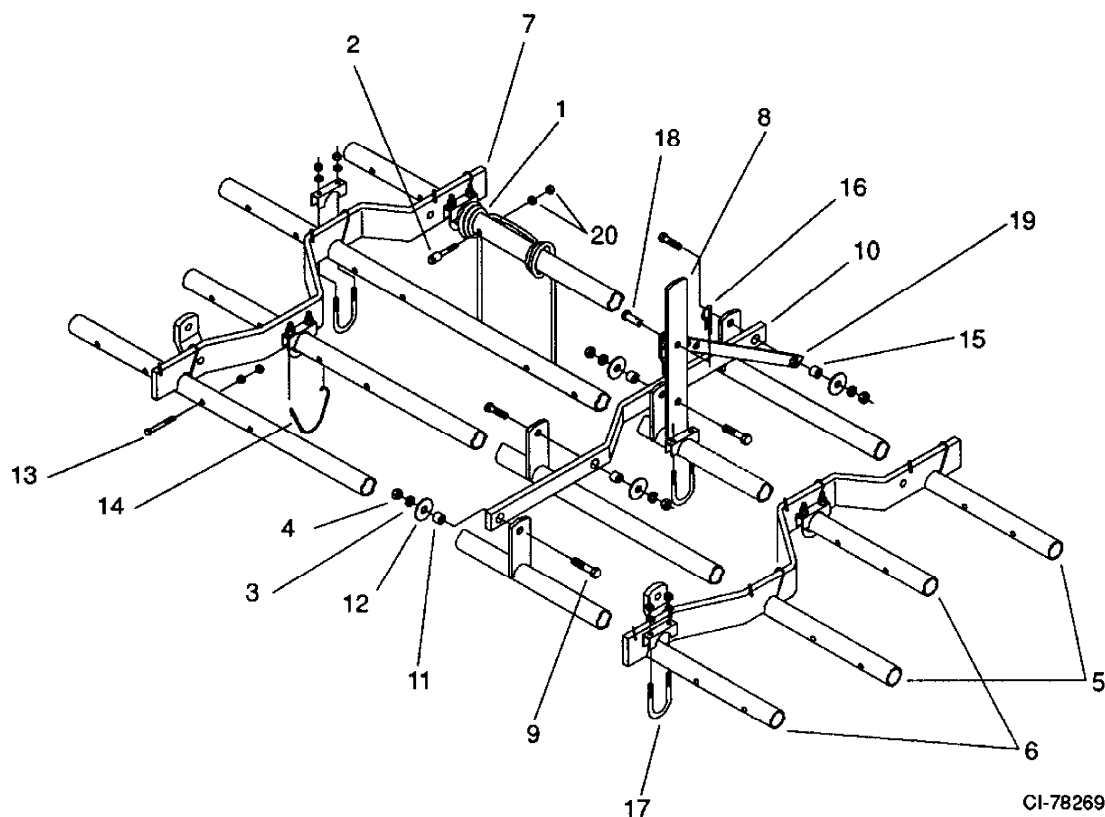
51329	4-1/2' 4Bar Harrow Section Assembly 12" (Black)
51332	4-1/2' 4Bar Harrow Section Assembly 16" (Black)

ITEM	PART NO	DESCRIPTION
1	51292	16" Harrow Spring (Black)
	51291	12" Harrow Spring (Black)
2	51265	Adjustment Pin
3	88303	1/2 Lock Washer
4	88104	1/2NC Nut
5	54692	4-1/2' Bar #1
6	51222	Black Adjustment Handle
7	54693	4-1/2' Bar #2
8	88517	1/2NC x 1-3/4 GR5 Bolt

ITEM	PART NO.	DESCRIPTION
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9	51220	.51IDx3/4ODx.56 Bushing
10	88347	1/2 Flat Washer
11	23039	5/32x2-11/16 Spring Lock Pin
12	88499	3/8NC x 2 GR2 Bolt
13	51221	Tooth Adjustment Bar
14	49931	Harrow Tube Clip
15	32744	3/8NC x 2-1/2 Shoulder Bolt
16	54699	4 Bar Tube Holder (Black)
17	54698	4 Bar Tie Strap (Black)
18	13515	Harrow Tube Clamp, Includes;
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)
19	43594	.510IDx3/4ODx.81 Bushing
20	88103	3/8NC Nut

6' & 7-1/2' 4 BAR COIL TINE HARROW SECTIONS (BLACK)



CI-78269

COMPLETE SECTIONS

51330	6' 4Bar Harrow Section Assembly 12" (Black)
51333	6' 4Bar Harrow Section Assembly 16" (Black)
51331	7-1/2' 4Bar Harrow Section Assembly 12" (Black)
51334	7-1/2' 4Bar Harrow Section Assembly 16" (Black)

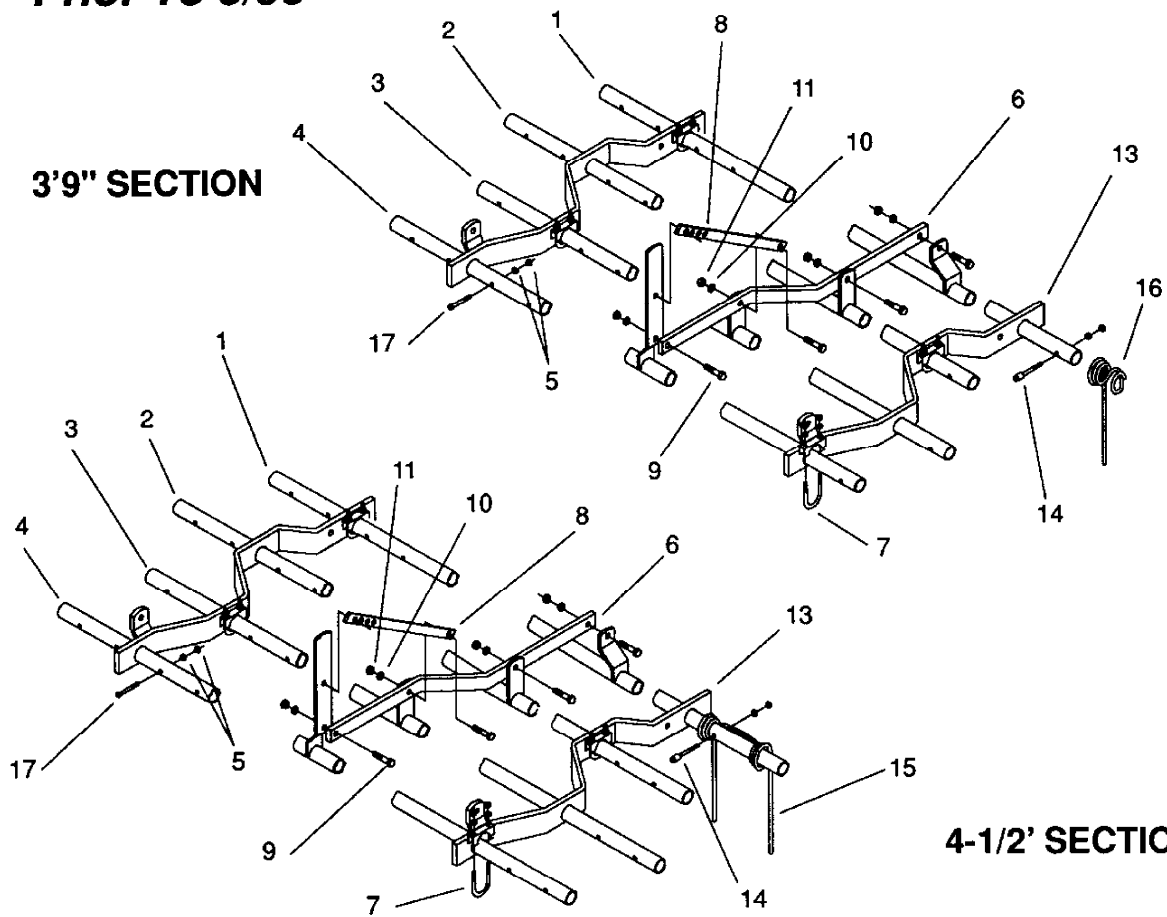
ITEM	PART NO.	DESCRIPTION
7	54699	4 Bar Tube Holder (Black)
8	51222	Black Adjustment Handle
9	88517	1/2NC x 1-3/4 GR5 Bolt
10	54698	4 Bar Tie Strap
11	51220	.51IDx3/4ODx.56 Bushing
12	88347	1/2 Flat Washer
13	88499	3/8NC x 2 GR2 Bolt
14	49931	Harrow Tube Clip
15	48594	.510IDx3/4ODx.81 Bushing
16	23039	5/32x2-11/16 Spring Lock Pin
17	13515	Harrow Tube Clamp, Includes;
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)
18	51265	Adjustment Pin
19	51221	Tooth Adjustment Bar
20	88103	3/8NC Nut

ITEM	PART NO.	DESCRIPTION
1	51292	16" Harrow Spring (Black)
	51291	12" Harrow Spring (Black)
2	32744	3/8NC x 2-1/2 Shoulder Bolt
3	88303	1/2 Lock Washer
4	88104	1/2NC Nut
5	54694	6' Tube #1
	54696	7-1/2' Tube #1
6	54695	6' Tube #2
	54697	7-1/2' Tube #2

4 BAR COIL TINE HARROW SECTIONS (RED)

Prior To 8/90

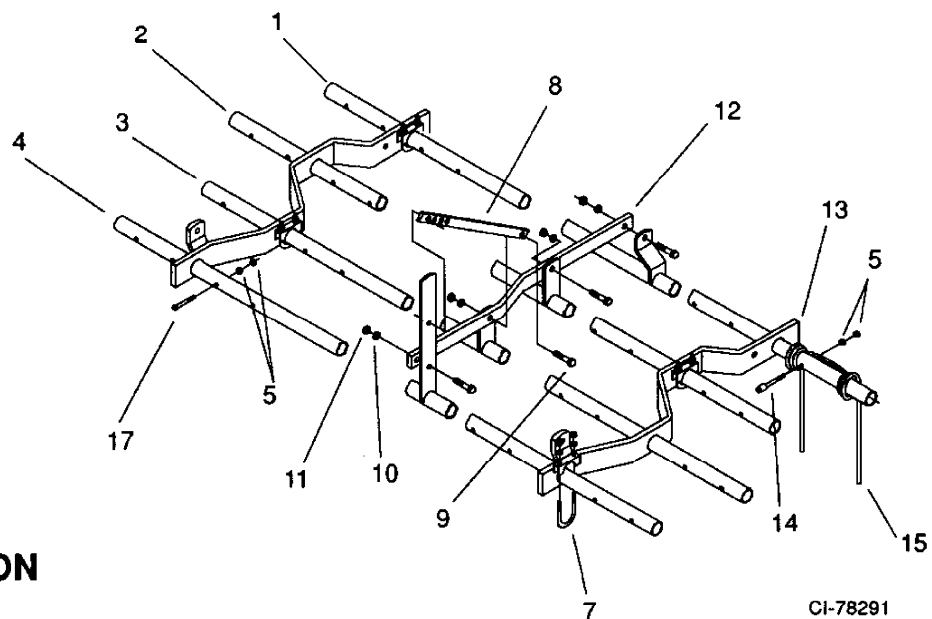
3'9" SECTION



4-1/2' SECTION

6' SECTION

7-1/2' SECTION



CI-78291

COMPLETE SECTIONS

COMPLETE SECTIONS			ITEM	PART NO.	DESCRIPTION
	29558	3'9" 4Bar Harrow Section 12"	5	88103	3/8NC Nut
	29559	4-1/2' 4Bar Harrow Section 12"	6	22971	4 Bar Tie Strap
	29560	6' 4Bar Harrow Section 12"	7	13515	Harrow Tube Clamp; Includes:
	29561	7-1/2' 4Bar Harrow Section 12"		18280	1-1/2OD Tube Clamp (1)
	29562	3'9" 4Bar Harrow Section 16"		18281	1-1/2" Tube Saddle (1)
	29563	4-1/2' 4Bar Harrow Section 16"		88127	5/16NC Nut (2)
	29564	6' 4Bar Harrow Section 16"		88358	5/16 Lock Washer (2)
	29565	7-1/2' 4Bar Harrow Section 16"	8	13431	Tooth Adjust Bar
			9	88475	1/2NC x 1-1/2 GR5 Bolt
			10	88303	1/2 Lock Washer
			11	88104	1/2NC Nut
			12	19631	Tube Adjustment Bar
			13	19634	Section Bar Assembly
			14	32744	3/8NC x 2-1/2 Shoulder Bolt
			15	41411	12" Harrow Spring
				41410	16" Harrow Spring
			16	16251	16" Left Harrow Spring Red
				13468	12" Left Harrow Spring Red
			17	88499	3/8NC x 2 GR2 Bolt
ITEM	PART NO.	DESCRIPTION			
1	29920	3'9" Front Tube			
	22968	4-1/2' Front Tube			
	13453	6' Front Tube			
	13456	7-1/2' Front Tube			
2	29921	3'9" Front Center Tube			
	29925	4-1/2' Front Center Tube			
	29928	6' Front Center Tube			
	29931	7-1/2' Front Center Tube			
3	29922	3'9" Rear Center Tube			
	22966	4-1/2' Rear Center Tube			
	13455	6' Rear Center Tube			
	13458	7-1/2' Rear Center Tube			
4	29923	3'9" Rear Tube			
	29926	4-1/2' Rear Tube			
	29929	6' Rear Tube			
	29932	7-1/2' Rear Tube			

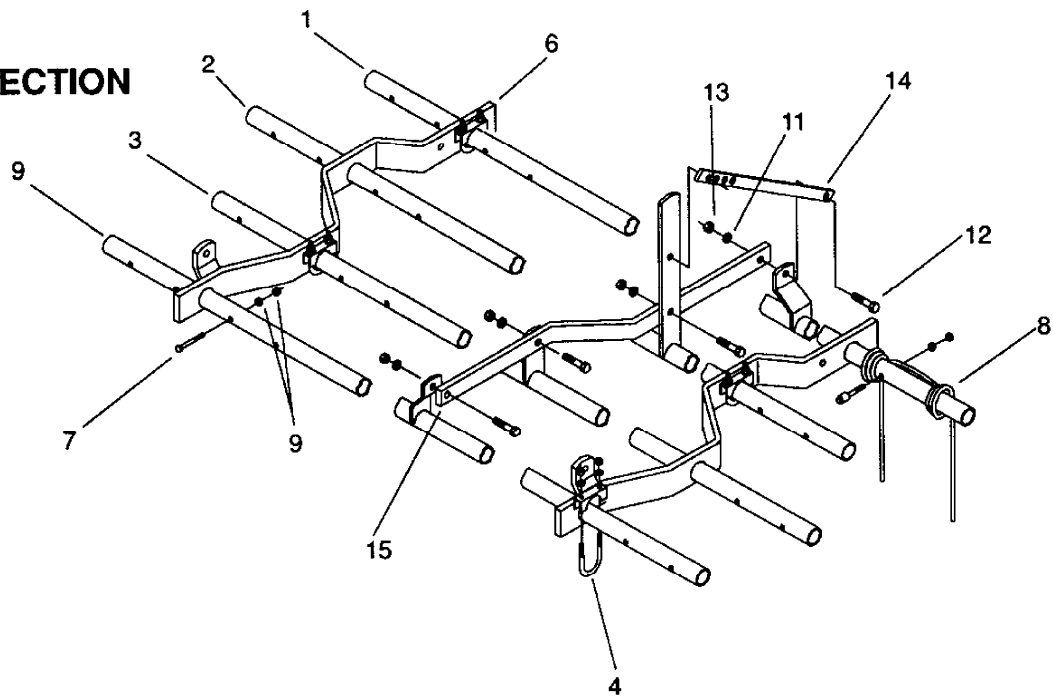
NOTE: Complete sections are obsolete and replaced by the following:

29558 Replaced By 51914
29559 Replaced By 51329
29560 Replaced By 51330
29561 Replaced By 51331
29562 Replaced By 51915
29563 Replaced By 51332
29564 Replaced By 51333
29565 Replaced By 51334

4 BAR COIL TINE HARROW SECTIONS (RED)

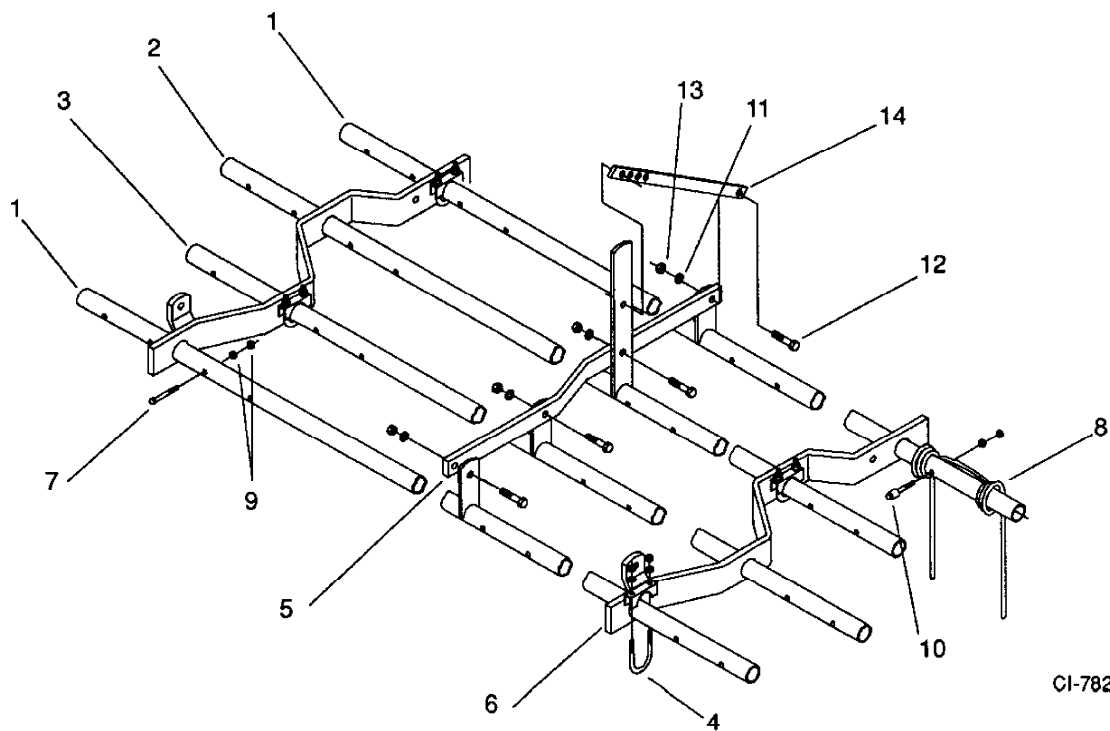
Prior To 3/86

4-1/2' SECTION



6' SECTION (SHOWN)

7-1/2' SECTION



CI-78295

COMPLETE SECTIONS

	22992	4-1/2' Section 12" Tooth
	19652	6' Section 12" Tooth
	19653	7-1/2' Section 12" Tooth
	25665	4-1/2' Section 16" Tooth
	25667	6' Section 16" Tooth
	25669	7-1/2' Section 16" Tooth
ITEM	PART NO.	DESCRIPTION
1	22968	4-1/2' Front Tube
	13453	6' Front Tube
	13456	7-1/2' Front Tube
2	22967	4-1/2' Center Tube
	13462	6' Center Tube
	13457	7-1/2' Center Tube
3	22966	4-1/2' Rear Tube
	13455	6' Rear Tube
	13458	7-1/2' Rear Tube

ITEM	PART NO.	DESCRIPTION
4	13515	Harrow Tube Clamp; Includes:
	18280	1-1/2OD Tube Clamp (1)
	18281	1-1/2" Tube Saddle (1)
	88127	5/16NC Nut (2)
	88358	5/16 Lock Washer (2)
5	19631	Tube Adjustment Bar
6	19634	Section Bar Assembly
7	88499	3/8NC x 2 GR2 Bolt
8	41411	12" Harrow Spring
	41410	16" Harrow Spring
9	22965	4-1/2' 4Bar Rear Bar
10	32744	3/8NC x 2-1/2 Shoulder Bolt
11	88303	1/2 Lock Washer
12	88475	1/2NC x 1-1/2 GR5 Bolt
13	88104	1/2NC Nut
14	13431	Tooth Adjust Bar
15	22971	4 Bar Tie Strap

NOTE: Complete sections are obsolete and replaced by the following:

22992 Replaced By 51329

19652 Replaced By 51330

19653 Replaced By 51331

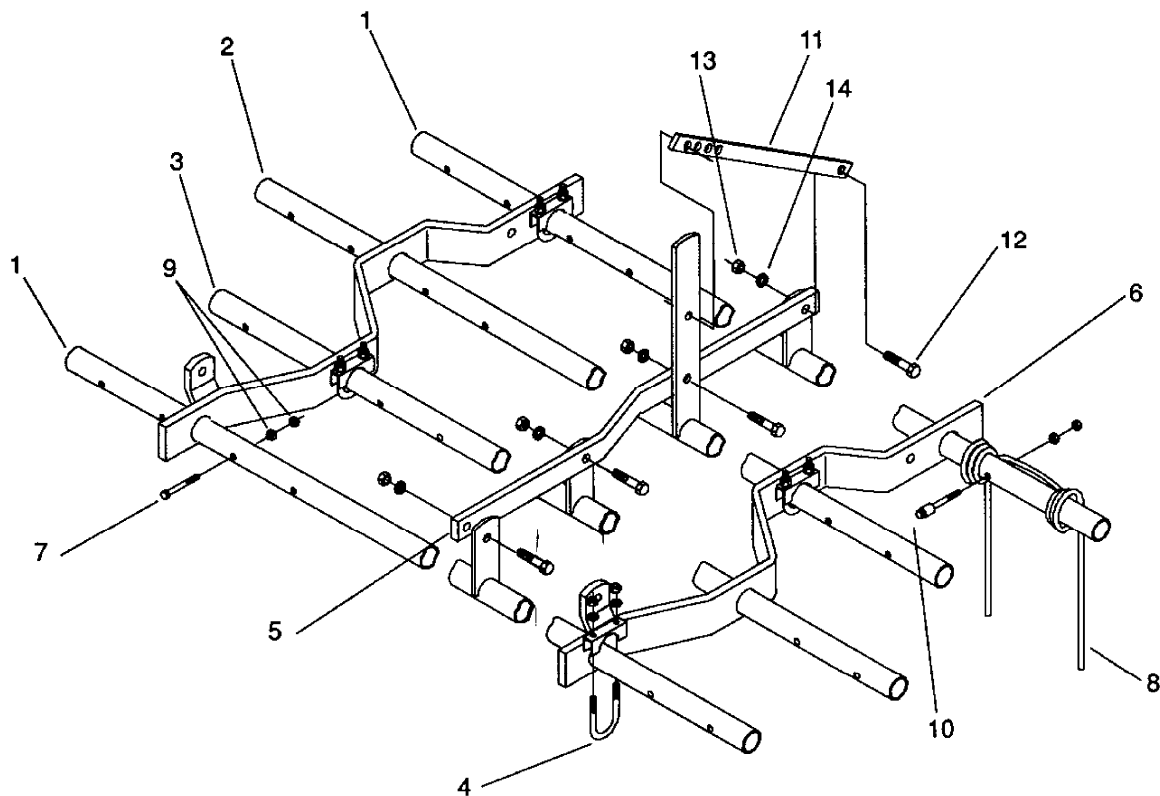
25665 Replaced By 51332

25667 Replaced By 51333

25669 Replaced By 51334

4 -1/2' 4 BAR COIL TINE HARROW (RED)

Prior To 7/85



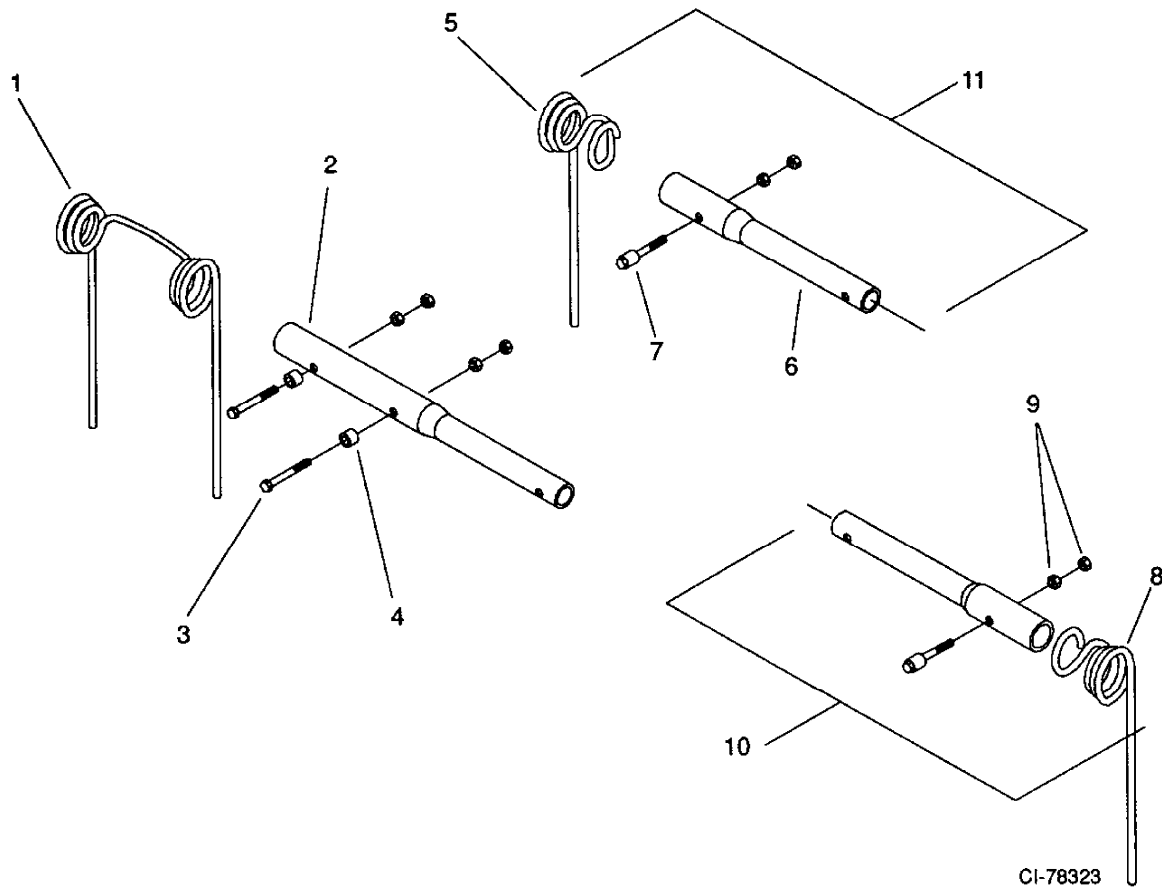
CI-78293

COMPLETE SECTION

COMPLETE SECTION			ITEM	PART NO.	DESCRIPTION
19651	4-1/2' 4Bar Harrow		5	19631	Tube Adjustment Bar
	Section 12" Tooth		6	19634	Section Bar Assembly
ITEM	PART NO.	DESCRIPTION	7	88499	3/8NC x 2 GR2 Bolt
1	13450	4-1/2' Front Tube	8	13419	12" Harrow Spring
2	13451	4-1/2' Center Tube	9	88103	3/8NC Nut
3	13452	4-1/2' Rear Tube	10	32744	3/8NC x 2-1/2 Shoulder Bolt
4	13515	Harrow Tube Clamp; Includes:	11	13431	Tooth Adjust Bar
	18280	1-1/2OD Tube Clamp (1)	12	88475	1/2NC x 1-1/2 GR5 Bolt
	18281	1-1/2" Tube Saddle (1)	13	88104	1/2NC Nut
	88127	5/16NC Nut (2)	14	88303	1/2 Lock Washer
	88358	5/16 Lock Washer (2)			

NOTE: Complete section 19651 is obsolete and replaced by 51329.

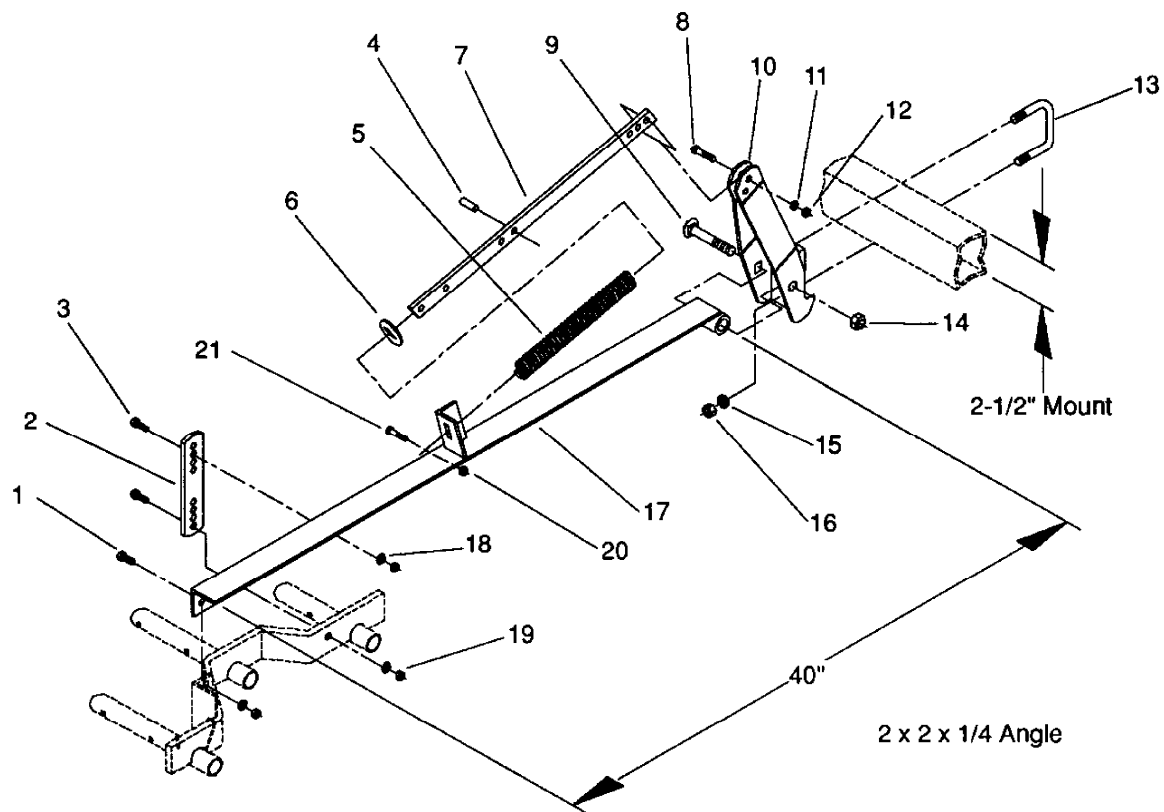
COIL TINE SECTIONS EXTENSIONS



CI-78323

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	51292	16" Harrow Spring (Black)	8	53220	16" Right Harrow Spring (Black)
	51291	12" Harrow Spring (Black)		53217	12" Right Harrow Spring (Black)
	41410	16" Harrow Spring (Red)		16250	16" Right Harrow Spring (Red)
	41411	12" Harrow Spring (Red)		13467	12" Right Harrow Spring (Red)
2	51293	Full Harrow Ext. Tube (Black)	9	88103	3/8NC Nut
	16003	Full Harrow Ext. Tube (Red)	10	13516	12" Right Harrow Ext Assy (Red)
3	88205	3/8NC x 2-1/2 GR2 Bolt		51288	12" Right Harrow Ext Assy (Black)
4	13443	Tooth Spacer		51290	16" Right Harrow Ext Assy (Black)
5	53219	16" Left Harrow Spring (Black)		16252	16" Right Harrow Ext Assy (Red)
	53218	12" Left Harrow Spring (Black)	11	13517	12" Left Harrow Ext Assy (Red)
	16251	16" Left Harrow Spring (Red)		51287	12" Left Harrow Ext Assy (Black)
	13468	12" Left Harrow Spring (Red)		16253	16" Left Harrow Ext Assy (Red)
6	53221	Extension Tube (Black)		51289	16" Left Harrow Ext Assy (Black)
7	32744	3/8NC x 2-1/2 Shoulder Bolt			

3 BAR FIELD CULTIVATOR HARROW ARM (BLACK)

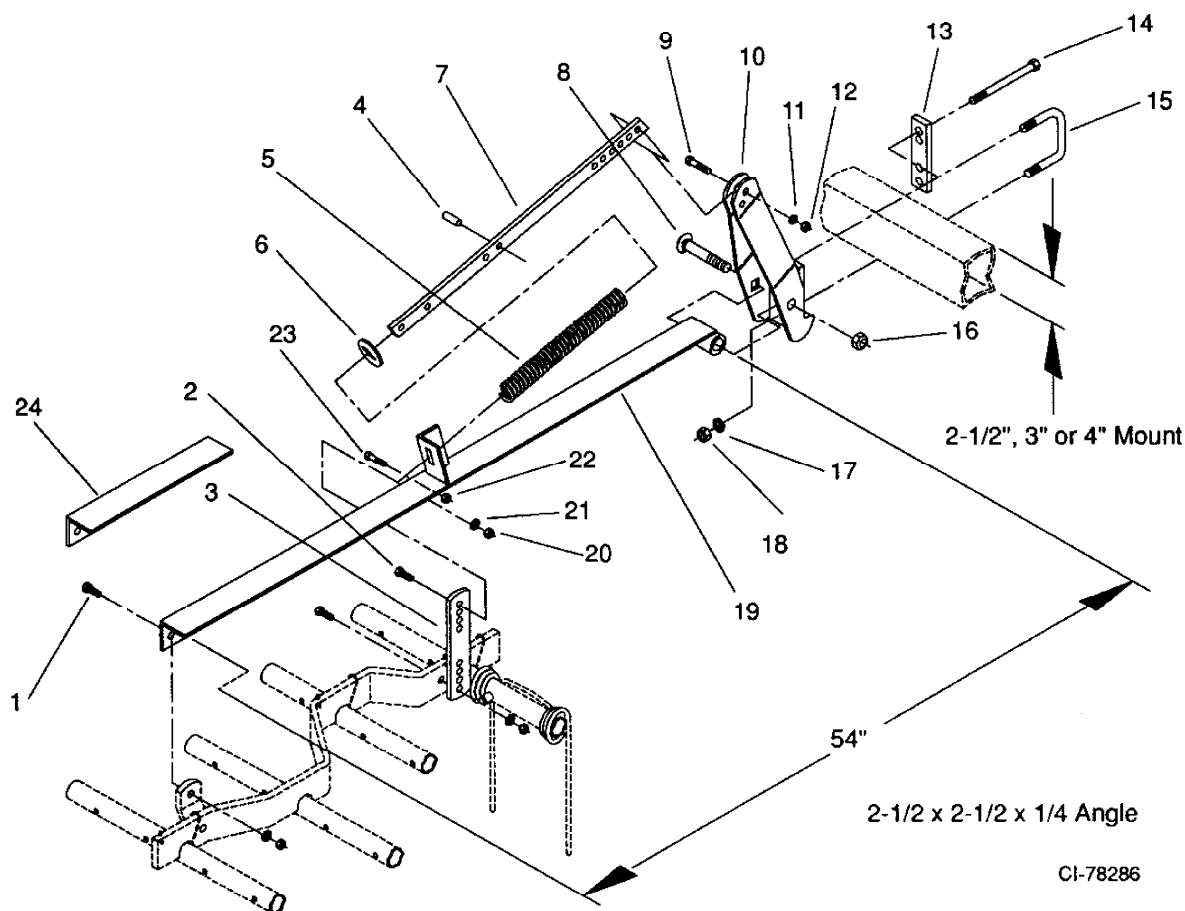


CI-78287

COMPLETE SECTION

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	51370	Mounting Assembly (Black) (Items 4-12, 14, 17, 20 & 21)	8	88392	7/16NC x 1-1/2 GR2 Bolt
			9	15593	3/4NC x 4-1/2 Carriage Bolt
			10	51362	Mounting Bracket Assy (Black)
			11	88269	7/16 Lock Washer
			12	88270	7/16NC Nut
			13	88311	5/8NCx2-1/2x3-3/4 U-Bolt
			14	88356	3/4NC Lock Nut
			15	88129	5/8 Lock Washer
			16	88126	5/8NC Nut
			17	51361	Angle Brace (Black)
			18	88303	1/2 Lock Washer
			19	88104	1/2NC Nut
			20	88162	3/8NC Lock Nut
			21	88555	3/8NC x 1-1/4 GR5 Bolt
1	88475	1/2NC x 1-1/2 GR5 Bolt			
2	51286	Adjustment Bar (Black)			
3	88554	1/2NC x 1-1/4 GR5 Bolt			
4	88391	3/8 x 1-1/2 Roll Pin			
5	51364	Harrow Compression Spring (Black)			
6	13444	Slotted Washer			
7	51363	Spring Adjust Bar Assy (Black) (Includes Item 4)			

UNIVERSAL HARROW ARM (BLACK)



COMPLETE SECTIONS

51369	Noble Universal Harrow Arm Assembly (Black)
51368	Universal Harrow Arm Assembly (Black) (Items 4-12, 16, 19, 22 & 23)

ITEM PART NO. DESCRIPTION

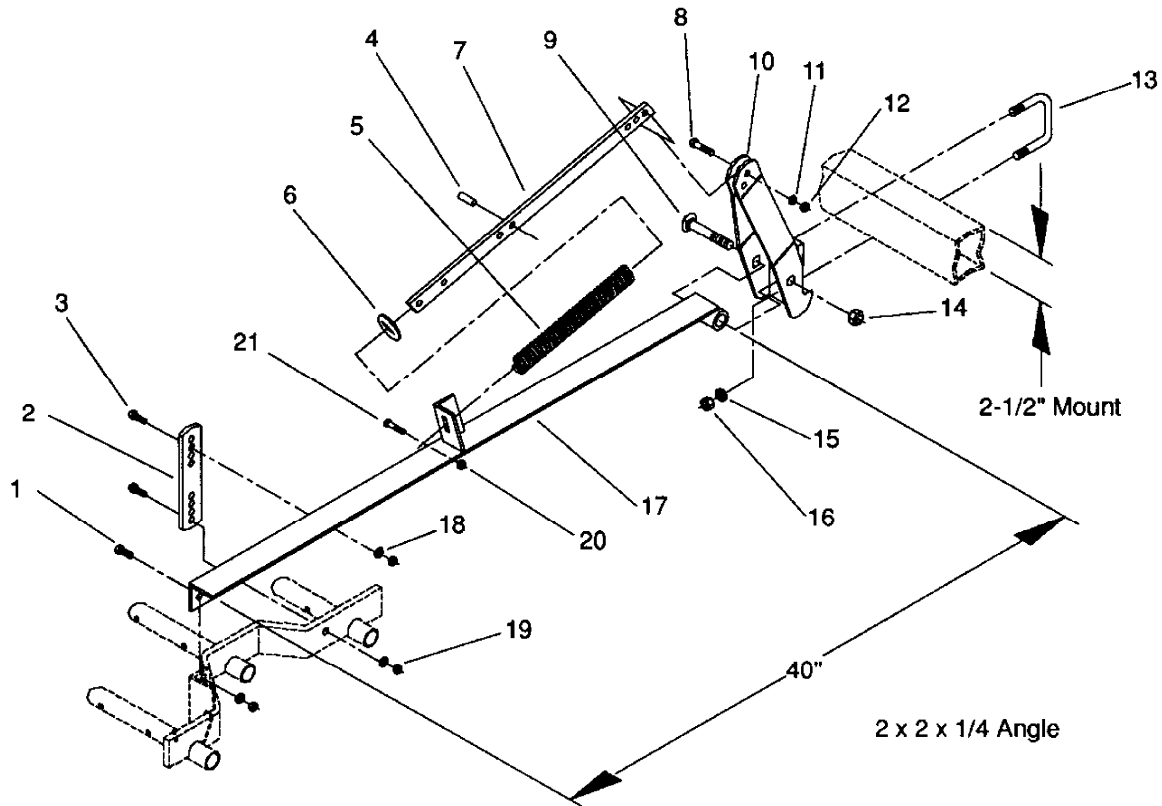
1	88475	1/2NC x 1-1/2 GR5 Bolt
2	88554	1/2NC x 1-1/4 GR5 Bolt
3	51286	Adjustment Bar (Black)
4	88391	3/8 x 1-1/2 Roll Pin
5	51364	Harrow Compression Spring (Black)
6	13444	Slotted Washer
7	51365	Spring Adjust Bar Assy (Black) (Includes Item 4)
8	15593	3/4NC x 4-1/2 Carriage Bolt

ITEM PART NO. DESCRIPTION

9	88392	7/16NC x 1-1/2 GR2 Bolt
10	51367	Harrow Mounting Bracket (Black)
11	88269	7/16 Lock Washer
12	88270	7/16NC Nut
13	51359	Universal Plate (Black)
14	32631	5/8NC x 6 Special Bolt
15	88145	5/8NC x 4 x 5-1/4 U-Bolt
	88501	5/8NC x 4 x 4-1/4 U-Bolt
	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
16	88356	3/4NC Lock Nut
17	88129	5/8 Lock Washer
18	88126	5/8NC Nut
19	51366	HD Angle Brace Assy (Black)
20	88104	1/2NC Nut
21	88303	1/2 Lock Washer
22	88162	3/8NC Lock Nut
23	88555	3/8NC x 1-1/4 GR5 Bolt
24	51751	Harrow Brace Extension (Black) (Used on Chisel Plows only)

3 BAR FIELD CULTIVATOR HARROW ARM (WHITE)

Prior To 8/90



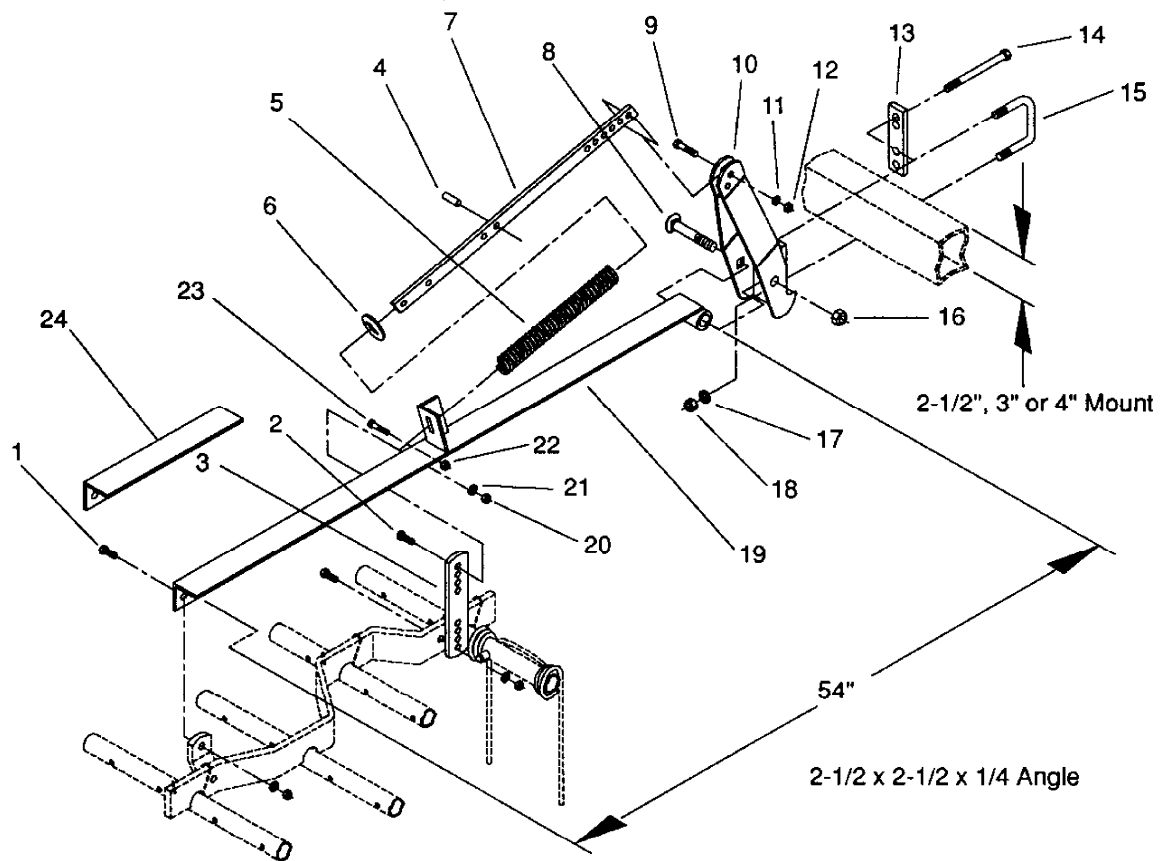
CI-78287

COMPLETE SECTION

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
13598		FC Mounting Arm Assembly (Items 4-12, 14, 17, 20 & 21)	9	15593	3/4NC x 4-1/2 Carriage Bolt
1	88475	1/2NC x 1-1/2 GR5 Bolt	10	13459	Mounting Bracket Assy (White)
2	13426	Adjustment Bar (Red)	11	88269	7/16 Lock Washer
3	88554	1/2NC x 1-1/4 GR5 Bolt	12	88270	7/16NC Nut
4	88391	3/8 x 1-1/2 Roll Pin	13	88311	5/8NCx2-1/2x3-3/4 U-Bolt
5	19666	HA Compression Spring (White)	14	88356	3/4NC Lock Nut
6	13444	Slotted Washer	15	88129	5/8 Lock Washer
7	15108	Spring Adjust Bar (White) (Includes Item 4)	16	88126	5/8NC Nut
8	88392	7/16NC x 1-1/2 GR2 Bolt	17	13446	Angle Brace (White)
			18	88303	1/2 Lock Washer
			19	88104	1/2NC Nut
			20	88162	3/8NC Lock Nut
			21	88555	3/8NC x 1-1/2 GR5 Bolt

UNIVERSAL HARROW ARM (WHITE)

Prior To 8/90



CI-78286

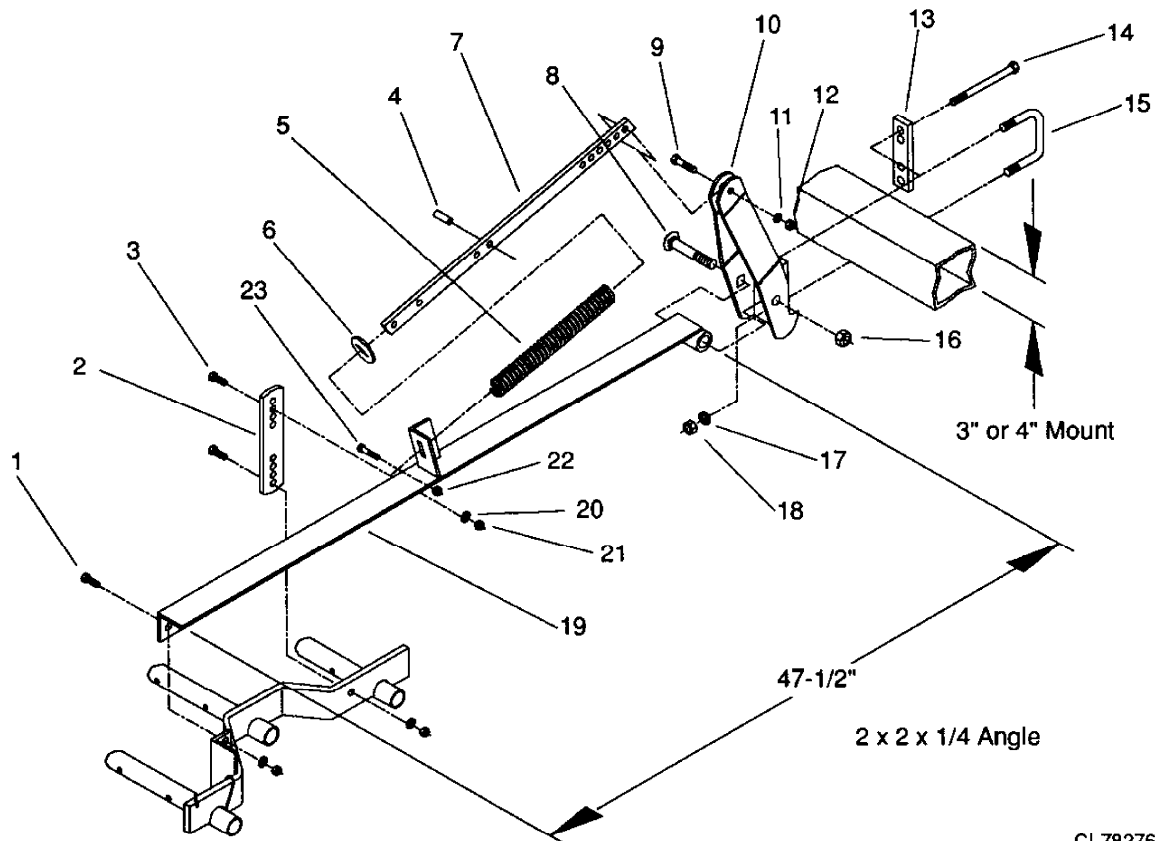
COMPLETE SECTIONS

23499	Noble Universal Harrow Arm (White)
22002	Wil-Rich Universal Harrow Arm (White) (Items 4-12, 16, 19, 22 & 23)

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
			9	88392	7/16NC x 1-1/2 GR2 Bolt
			10	29534	HA Mounting Bracket (White)
			11	88269	7/16 Lock Washer
			12	88270	7/16NC Nut
			13	16351	Universal Plate (White)
			14	32631	5/8NC x 6 Special Bolt
			15	88145	5/8NC x 4 x 5-1/4 U-Bolt
				88501	5/8NC x 4 x 4-1/4 U-Bolt
				88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
			16	88356	3/4NC Lock Nut
			17	88129	5/8 Lock Washer
			18	88126	5/8NC Nut
			19	29533	HD Angle Brace Assy (White)
			20	88104	1/2NC Nut
			21	88303	1/2 Lock Washer
			22	88162	3/8NC Lock Nut
			23	88555	3/8NC x 1-1/4 GR5 Bolt
			24	27524	Harrow Brace Extension (White) (Used on Chisel Plows only)
1	88475	1/2NC x 1-1/2 GR5 Bolt			
2	88554	1/2NC x 1-1/4 GR5 Bolt			
3	13426	Adjustment Bar (Red)			
4	88391	3/8 x 1-1/2 Roll Pin			
5	19666	HA Compression Spring(White)			
6	13444	Slotted Washer			
7	29532	Spring Adjust Bar Assy(White) (Includes Item 4)			
8	15593	3/4NC x 4-1/2 Carriage Bolt			

UNIVERSAL HARROW ARM (WHITE)

Prior To 2/87



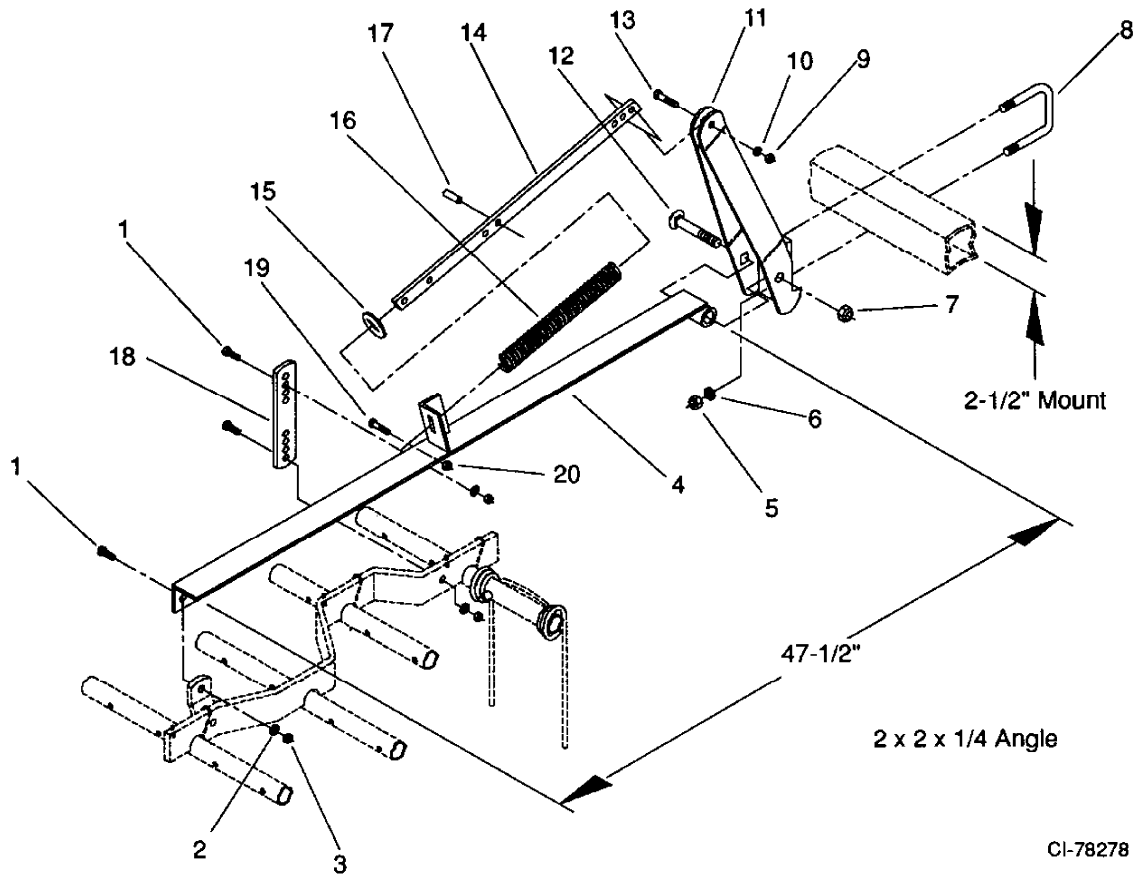
CI-78276

COMPLETE SECTION

			ITEM	PART NO.	DESCRIPTION
19905 Universal Arm Assembly (Items 4-12, 16, 19, 22 & 23)			10	29534	HA Mounting Bracket (White)
			11	88269	7/16 Lock Washer
			12	88270	7/16NC Nut
			13	16351	Universal Plate (White)
			14	32631	5/8NC x 6 Special Bolt
			15	88501	5/8NC x 4 x 4-1/4 U-Bolt
				88145	5/8NC x 4 x 5-1/4 U-Bolt
			16	88356	3/4NC Lock Nut
			17	88129	5/8 Lock Washer
			18	88126	5/8NC Nut
			19	14488	Angle Brace (White)
			20	88303	1/2 Lock Washer
			21	88104	1/2NC Nut
			22	88162	3/8NC Lock Nut
			23	88555	3/8NC x 1-1/4 GR5 Bolt
ITEM	PART NO.	DESCRIPTION			
1	88475	1/2NC x 1-1/2 GR5 Bolt			
2	13426	Adjustment Bar (Red)			
3	88554	1/2NC x 1-1/4 GR5 Bolt			
4	88391	3/8 x 1-1/2 Roll Pin			
5	19666	HA Compression Spring(White)			
6	13444	Slotted Washer (Includes Item 4)			
7	29532	Spring Adjustment Bar(White)			
8	15593	3/4NC x 4-1/2 Carriage Bolt			
9	88392	7/16NC x 1-1/2 GR2 Bolt			

4 BAR FIELD CULTIVATOR HARROW ARM (WHITE)

Prior To 9/91



CI-78278

COMPLETE SECTION

19665 4 Bar Arm Assembly (White)
(Includes Items 4, 7,
9-17, 19 & 20)

ITEM PART NO. DESCRIPTION

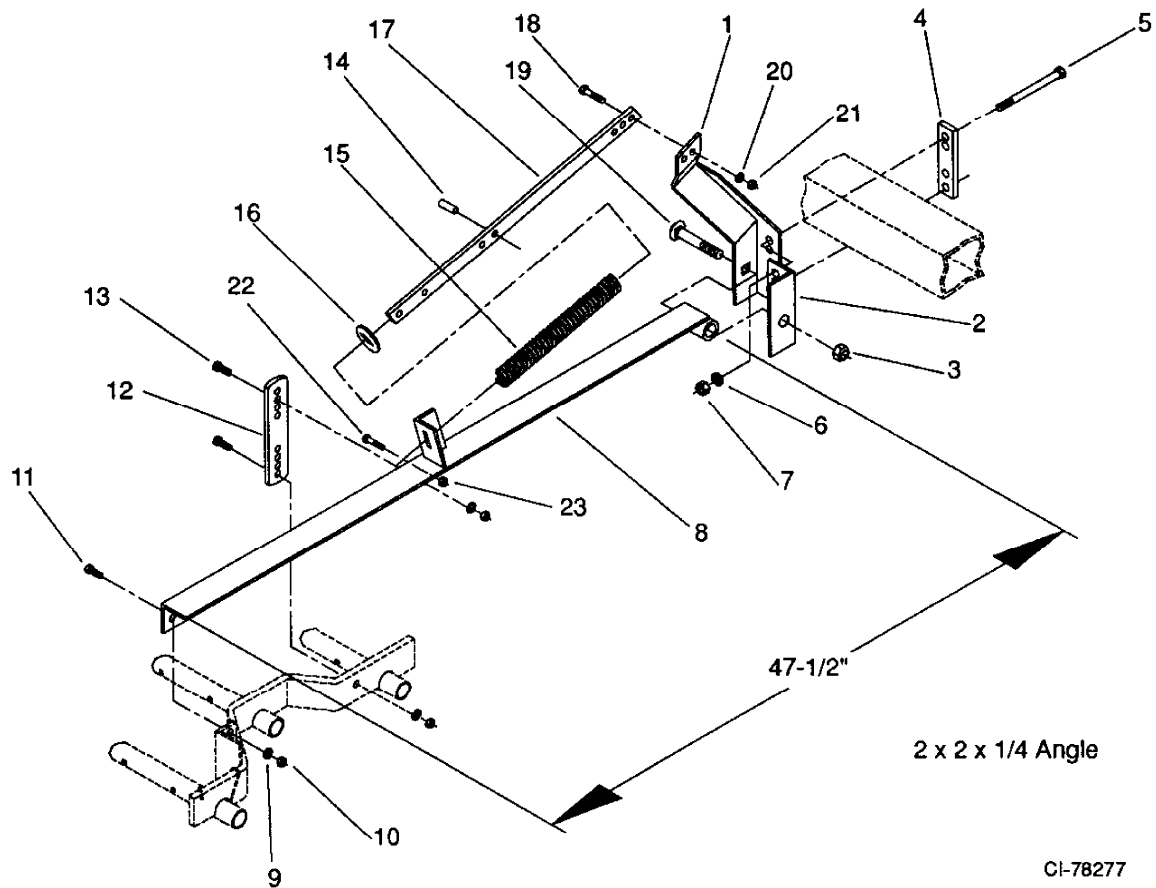
1	88475	1/2NC x 1-1/2 GR5 Bolt
2	88303	1/2 Lock Washer
3	88104	1/2NC Nut
4	14488	Angle Brace Assy (White)
5	88126	5/8NC Nut
6	88129	5/8 Lock Washer
7	88356	3/4NC Lock Nut
8	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt

ITEM PART NO. DESCRIPTION

9	88270	7/16NC Nut
10	88269	7/16 Lock Washer
11	13459	Mounting Bracket Assy (White)
12	15593	3/4NC x 4-1/2 Carriage Bolt
13	88392	7/16NC x 1-1/2 GR2 Bolt
14	15108	Spring Adjust Bar Assy (White) (Includes Item 17)
15	13444	Slotted Washer
16	19666	HA Compression Spring(White)
17	88391	3/8 x 1-1/2 Roll Pin
18	13426	Adjustment Bar
19	88555	3/8NC x 1-1/4 GR5 Bolt
20	88162	3/8NC Lock Nut

UNIVERSAL HARROW ARM (WHITE)

Prior To 11/82



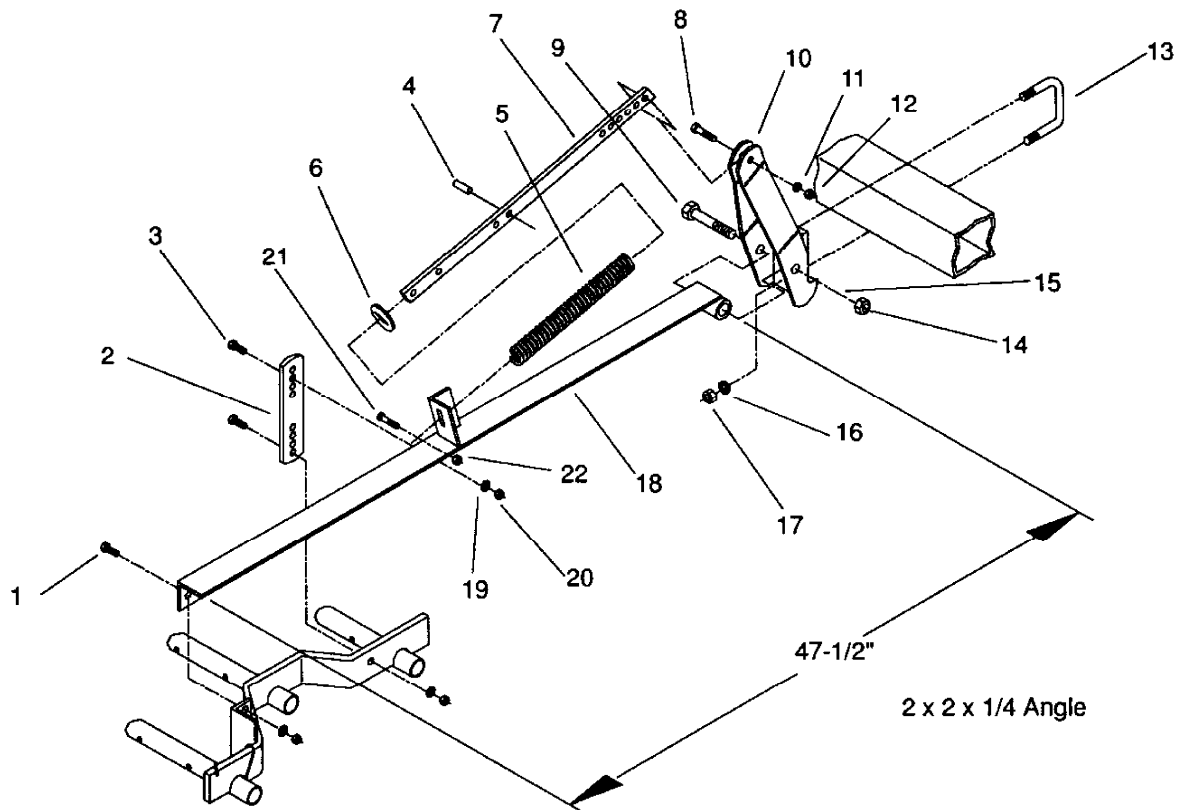
COMPLETE SECTION

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	16353	Universal Arm Assembly (Items 1-3, 8, 14-23)	13	88554	1/2NC x 1-1/4 GR5 Bolt
1	16350	Universal Bracket	14	88391	3/8 x 1-1/2 Roll Pin
2	16352	Universal Angle	15	19666	HA Compression Spring (White)
3	88356	3/4NC Lock Nut	16	13444	Slotted Washer
4	16351	Universal Plate (White)	17	15108	Spring Adjust Bar Assy (White) (Includes Item 14)
5	32631	5/8NC x 6 Bolt	18	88392	7/16NC x 1-1/2 GR2 Bolt
6	88129	5/8 Lock Washer	19	15593	3/4NC x 4-1/2 Carriage Bolt
7	88126	5/8NC Nut	20	88269	7/16 Lock Washer
8	14488	Angle Brace Assy (White)	21	88270	7/16NC Nut
9	88303	1/2 Lock Washer	22	88162	3/8NC Lock Nut
10	88104	1/2NC Nut	23	88555	3/8NC x 1-1/4 GR5
11	88475	1/2NC x 1-1/2 GR5 Bolt			
12	13426	Adjustment Bar (Red)			

NOTE: Complete arm 16353 is obsolete and replaced by 19905.

3 BAR CHISEL PLOW HARROW ARM (WHITE)

Prior To 11/82



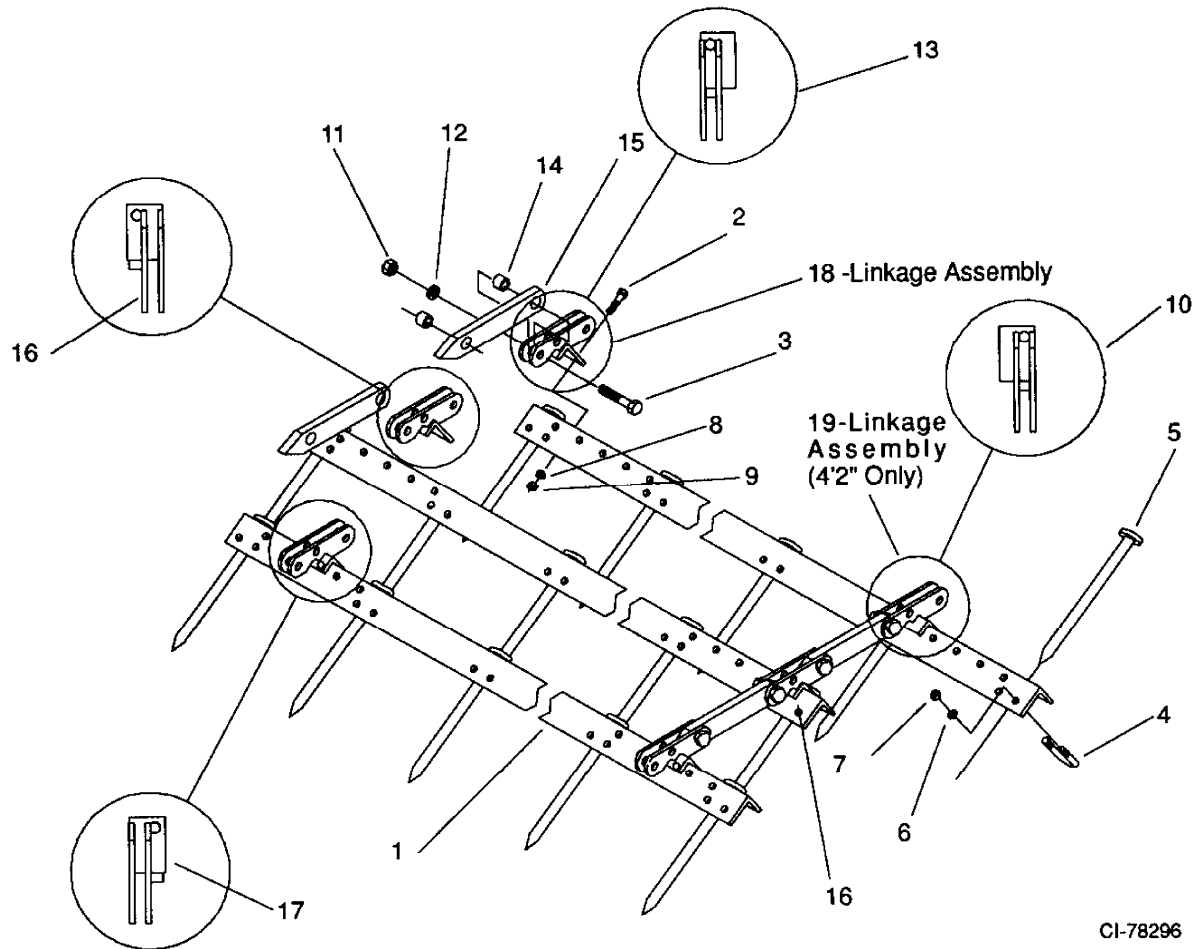
CI-78279

COMPLETE SECTION

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
14580	CP Mounting Arm Assembly (Includes Items 4-12, 14-15, 18, 21 & 22)		10	14487	Mounting Bracket Assembly
1	88475	1/2NC x 1-1/2 GR5 Bolt	11	88269	7/16 Lock Washer
2	13426	Adjustment Bar (Red)	12	88270	7/16NC Nut
3	88554	1/2NC x 1-1/4 GR5 Bolt	13	88145	5/8NC x 4 x 5-1/4 U-Bolt
4	88391	3/8 x 1-1/2 Roll Pin	14	88356	3/4NC Lock Nut
5	19666	HA Compression Spring(White)	15	88130	3/4 Lock Washer
6	13444	Slotted Washer	16	88129	5/8 Lock Washer
7	15108	Spring Adjust Bar (White)	17	88126	5/8NC Nut
8	88392	7/16NC x 1-1/2 GR2 Bolt	18	14488	Angle Brace (White)
9	88180	3/4NC x 4-1/2 GR2 Bolt	19	88303	1/2 Lock Washer
			20	88104	1/2NC Nut
			21	88555	3/8NC x 1-1/4 GR5 Bolt
			22	88162	3/8NC Lock Nut

NOTE: Complete arm 14850 is obsolete and replaced by 19905.

3 BAR SPIKE TOOTH HARROW (ANGLE)

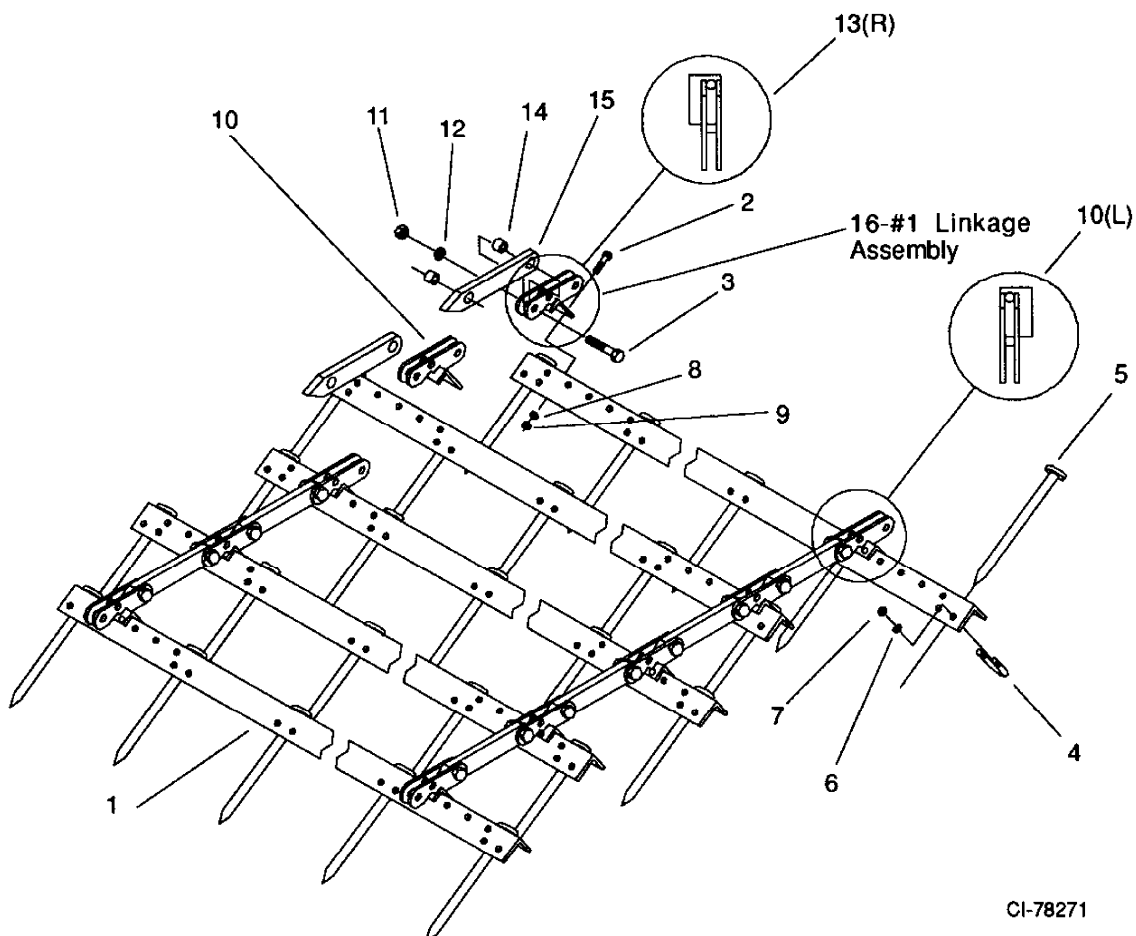


CI-78296

COMPLETE SECTIONS

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
54424	4'2" 3Bar Harrow Assy		5	52631	Spike (Black)
54425	5'0" 3Bar Harrow Assy		6	88362	3/8 Lock Washer
54426	5'10" 3Bar Harrow Assy		7	88103	3/8NC Nut
54427	6'8" 3Bar Harrow Assy		8	88269	7/16 Lock Washer
54428	7'6" 3Bar Harrow Assy		9	88270	7/16NC Nut
1	52636	4'2" Angle (5 Spike) (Black)	10	54931	Connector Bracket-Left (Black)
	52637	5'0" Angle (6 Spike) (Black)	11	88104	1/2NC Nut
	52638	5'10" Angle (7 Spike) (Black)	12	88303	1/2 Lock Washer
	52639	6'8" Angle (8 Spike) (Black)	13	54933	Connector Bracket-Right (Black)
	52640	7'6" Angle (9 Spike) (Black)	14	54057	.510IDx3/4ODx.55 Bushing
2	89067	7/16NC x 1 GR5 Bolt	15	54935	Link Connector (Black)
3	88247	1/2NC x 2 GR2 Bolt	16	54934	Right Connector Bracket
4	30277	3/8NCx1.06x1.90 U-Bolt	17	54932	Left Connector Bracket
			18	54206	3 Bar Linkage Assembly
			19	54207	3 Bar Linkage Assembly (4'2" Section Only)

5 BAR SPIKE TOOTH HARROW(ANGLE)



CI-78271

COMPLETE SECTIONS

54270	4'2" 5Bar Harrow Assembly
54271	5'0" 5Bar Harrow Assembly
54272	5'10" 5Bar Harrow Assembly
54273	6'8" 5Bar Harrow Assembly
54274	7'6" 5Bar Harrow Assembly

ITEM PART NO. DESCRIPTION

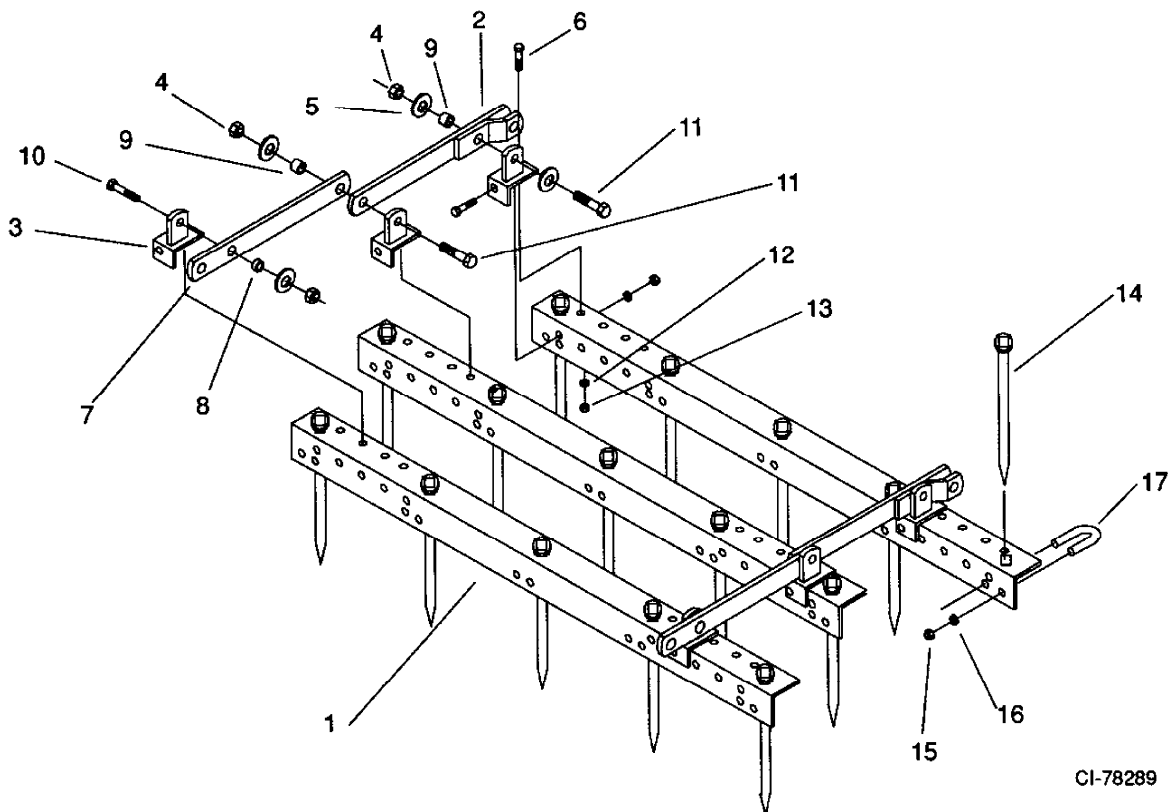
1	52636	4'2" Angle (5 Spike) (Black)
	52637	5'0" Angle (6 Spike) (Black)
	52638	5'10" Angle (7 Spike) (Black)
	52639	6'8" Angle (8 Spike) (Black)
	52640	7'6" Angle (9 Spike) (Black)
2	89067	7/16NC x 1 GR5 Bolt
3	88247	1/2NCx2 GR2 Bolt
4	30277	3/8NCx1.06x1.9 U-Bolt

ITEM PART NO. DESCRIPTION

5	52631	Spike (Black)
6	88362	3/8 Lock Washer
7	88103	3/8NC Nut
8	88269	7/16 Lock Washer
9	88270	7/16NC Nut
10	54931	Connector Bracket-Left (Black)
11	88104	1/2NC Nut
12	88303	1/2 Lock Washer
13	54933	Connector Bracket-Right (Black)
14	54057	.510IDx3/4ODx.55 Bushing
15	54935	Link Connector (Black)
16	54060	#1 5Bar Linkage Assembly (Connector bracket arrangement, front to back: Right, Left, Right, Right, Left.)

3 BAR SPIKE TOOTH HARROW (ANGLE)

Prior To 1/92



CI-78289

COMPLETE SECTIONS

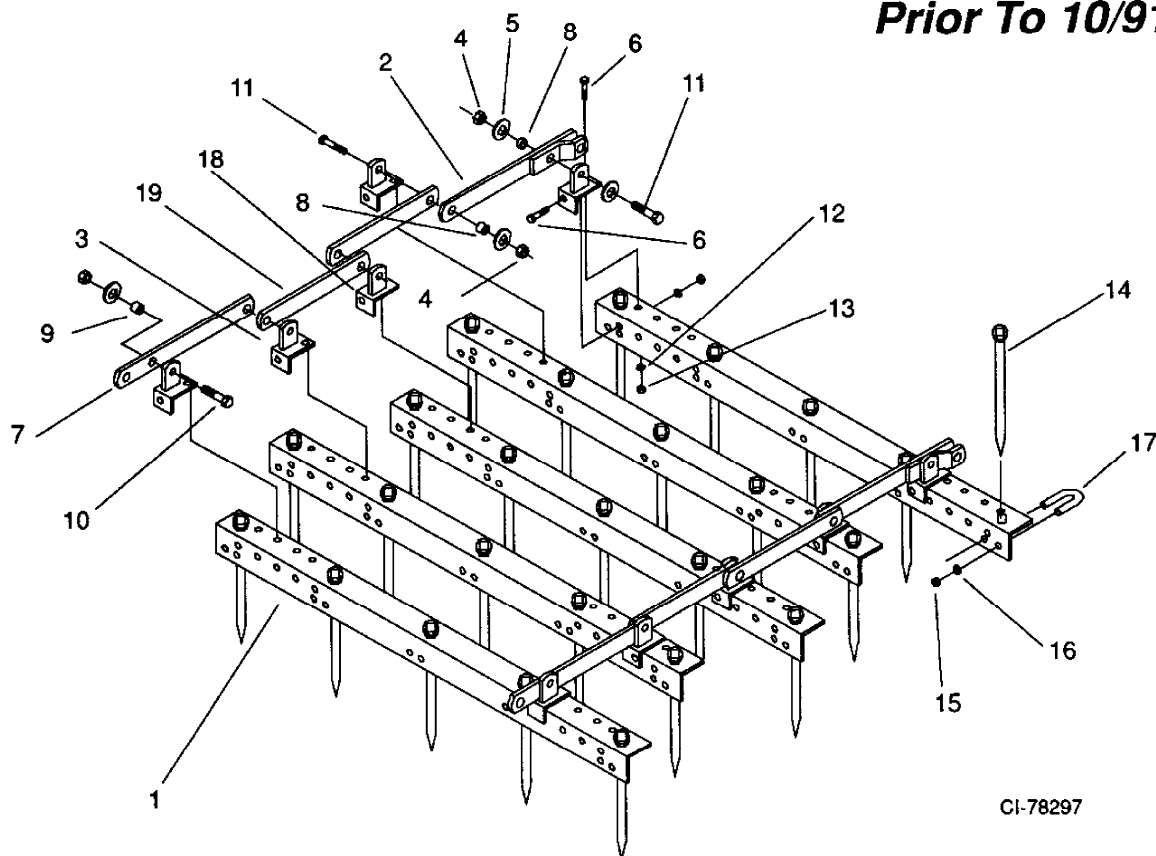
ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	48550	4'2" 3Bar Harrow Angle	9	48594	3/4OD x 1/2ID x .81 Bushing
	48551	5'0" 3Bar Harrow Angle	10	88825	1/2NC x 2-1/4 GR2 Bolt
	48552	5'10" 3Bar Harrow Angle	11	88585	1/2NC x 2-3/4 GR5 Bolt
	48553	6'8" 3Bar Harrow Angle	12	88269	7/16 Lock Washer
	48554	7'6" 3Bar Harrow Angle	13	88270	7/16NC Nut
			14	52631	Spike (Black)
1	52636	4'2" Angle (5 Spike) (Black)	15	88103	3/8NC Nut
	52637	5'0" Angle (6 Spike) (Black)	16	88362	3/8 Lock Washer
	52638	5'10" Angle (7 Spike) (Black)	17	30277	3/8NC x 1.06 x 1.9 U-Bolt
	52639	6'8" Angle (8 Spike) (Black)			
	52640	7'6" Angle (9 Spike) (Black)			
2	52633	Right Mounting Strap (Black)			
3	52641	Left Connector (Shown) (Black)			
	52642	Right Connector (Black)			
4	88363	1/2NC Lock Nut			
5	88347	1/2 Flat Washer			
6	88518	7/16NC x 1-1/4 GR5 Bolt			
7	52634	Mount Strap (Black)			
8	48595	3/4OD x 1/2ID x .44 Bushing			

NOTE: Complete sections are obsolete and replaced by the following:

48550 Replaced By 54424
 48551 Replaced By 54425
 48552 Replaced By 54426
 48553 Replaced By 54427
 48554 Replaced By 54428

5 BAR SPIKE TOOTH HARROW (ANGLE)

Prior To 10/91



CI-78297

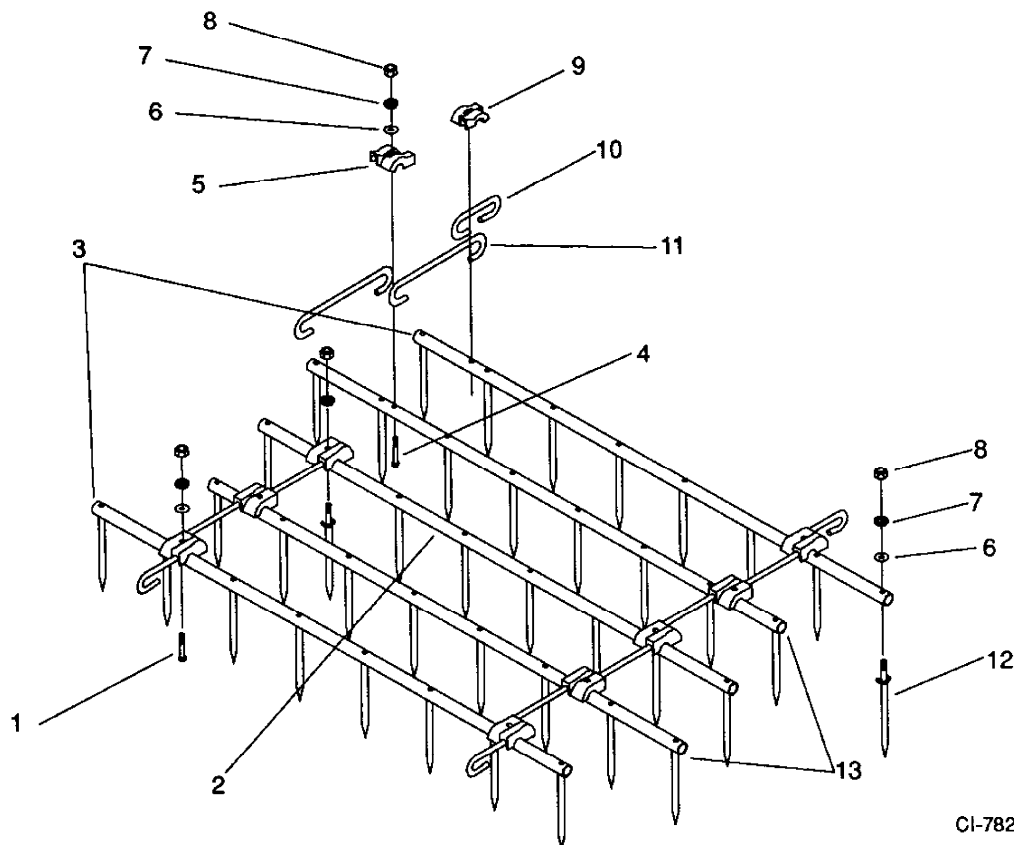
COMPLETE SECTIONS

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
	48482	4'2" 5Bar Harrow Angle	9	48595	3/4OD x 1/2ID x .44 Bushing
	48483	5'0" 5Bar Harrow Angle	10	88825	1/2NC x 2-1/4 GR2 Bolt
	48484	5'10" 5Bar Harrow Angle	11	88585	1/2NC x 2-3/4 GR5 Bolt
	48485	6'8" 5Bar Harrow Angle	12	88269	7/16 Lock Washer
	48486	7'6" 5Bar Harrow Angle	13	88270	7/16NC Nut
			14	52631	Spike (Black)
			15	88103	3/8NC Nut
			16	88362	3/8 Lock Washer
			17	30277	3/8NCx1.06X1.9 U-Bolt
			18	54642	Right Connector (Black)
			19	52635	Flat Connector (Black)
1	52636	4'2" Angle (5 Spike) (Black)			
	52637	5'0" Angle (6 Spike) (Black)			
	52638	5'10" Angle (7 Spike) (Black)			
	52639	6'8" Angle (8 Spike) (Black)			
	52640	7'6" Angle (9 Spike) (Black)			
2	52633	Right Mounting Strap (Black)			
3	52641	Left Connector (Black)			
4	88363	1/2NC Lock Nut			
5	88347	1/2 Flat Washer			
6	88518	7/16NC x 1-1/4 GR5 Bolt			
7	52634	Mount Strap (Black)			
8	48594	3/4OD x 1/2ID x .81 Bushing			

NOTE: Complete sections are obsolete and replaced by the following:

48482 Replaced By 54270
 48483 Replaced By 54271
 48484 Replaced By 54272
 48485 Replaced By 54273
 48486 Replaced By 54272

5 BAR SPIKE TOOTH HARROW (TUBE)



CI-78270

COMPLETE SECTIONS

54474	4'5" Tubular Harrow Section
54475	5'4" Tubular Harrow Section
54476	6'0" Tubular Harrow Section
54477	6'9" Tubular Harrow Section
54478	7'6" Tubular Harrow Section

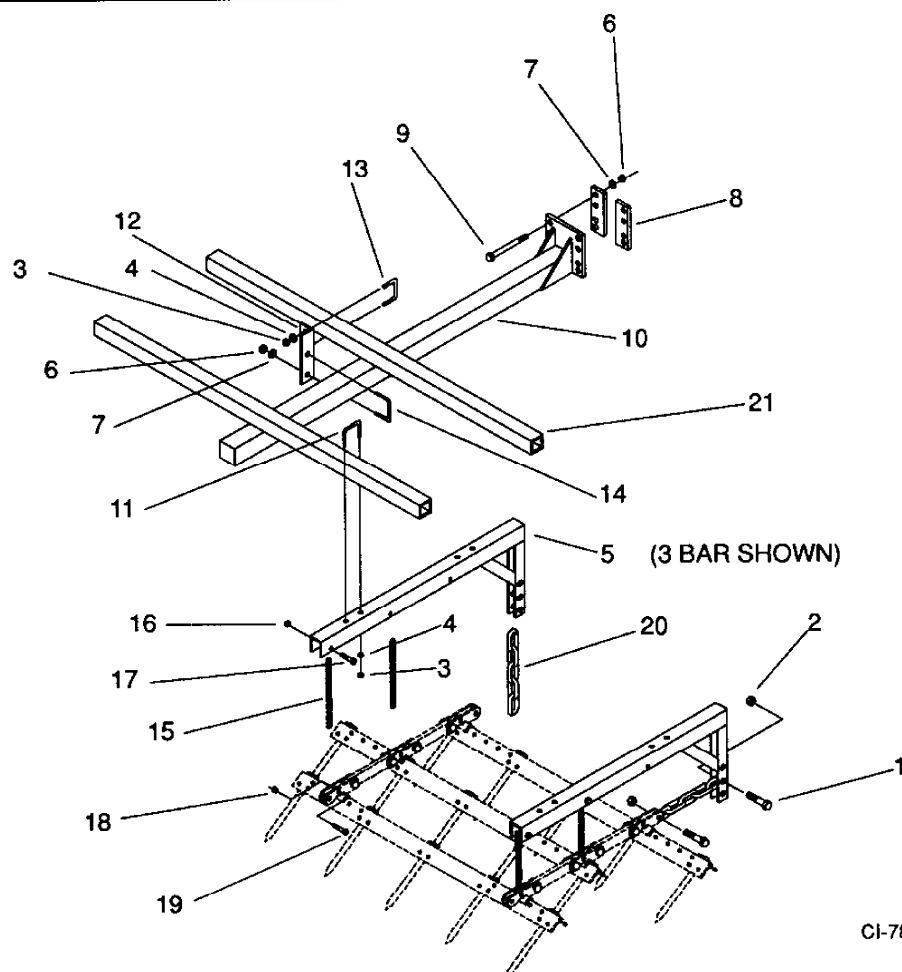
ITEM PART NO. DESCRIPTION

1	88584	7/16NC x 2-1/2 GR5 Bolt
2	54942	#3 Tooth Bar (4'5") (Black)
	54944	#3 Tooth Bar (5'4") (Black)
	54946	#3 Tooth Bar (6'0") (Black)
	54949	#3 Tooth Bar (6'9") (Black)
	54952	#3 Tooth Bar (7'6") (Black)
3	54940	#1 & #5 Tooth Bar (4'5")(Black)
	54945	#1 & #5 Tooth Bar (5'4")(Black)
	54948	#1 & #5 Tooth Bar (6'0")(Black)
	54951	#1 & #5 Tooth Bar (6'9")(Black)
	54954	#1 & #5 Tooth Bar (7'6")(Black)

ITEM PART NO. DESCRIPTION

4	88538	7/16NC x 3-1/2 GR5 Bolt
5	54937	Flex Casting F2
6	88282	3/8 Flat Washer
7	88269	7/16 Lock Washer
8	88270	7/16NC Nut
9	54936	Flex Casting F1
10	54939	Front Tubular Link (Black)
11	54938	Tubular Link (Black)
12	39767	Tooth (Black)
13	54941	#2 & #4 Tooth Bar (4'5")(Black)
	54943	#2 & #4 Tooth Bar (5'4")(Black)
	54947	#2 & #4 Tooth Bar (6'0")(Black)
	54950	#2 & #4 Tooth Bar (6'9")(Black)
	54953	#2 & #4 Tooth Bar (7'6")(Black)

3 & 5 BAR SPIKE TOOTH HARROW MOUNTING ARMS (ANGLE)

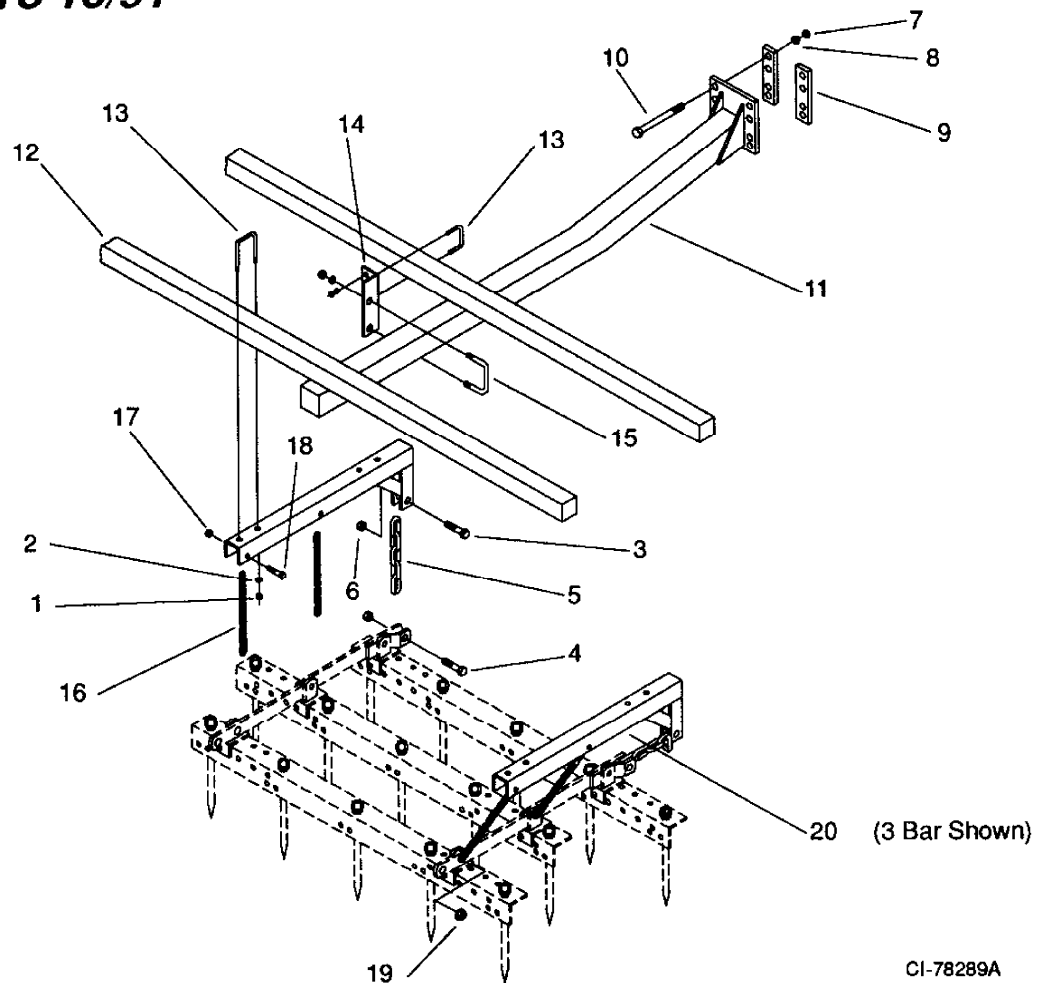


CI-78296A

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	88537	5/8NC x 2-3/4 GR5 Bolt	14	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
2	88369	5/8NC Lock Nut	15	48998	17 Link Chain
3	88270	7/16NC Nut	16	88162	3/8NC Lock Nut
4	88269	7/16 Lock Washer	17	88489	3/8NC x 2-1/2 GR 8 Bolt
5	54430	3 Bar Pull Arm (Shown)(Black)	18	88363	1/2NC Lock Nut
	54291	5 Bar Pull Arm (Black)	19	88679	1/2NC x 2 GR5 Bolt
6	88126	5/8NC Nut	20	48997	5 Link Chain
7	88129	5/8 Lock Washer	21	49010	55" Cross Bar (Black)
8	51359	Black Universal Plate		49011	70" Cross Bar (Black)
9	32631	Special Bolt		49012	94" Cross Bar (Black)
10	54278	Mounting Arm (Black)		49013	124" Cross Bar (Black)
11	32897	7/16NC x 2.03 x 3 U-Bolt		49014	152" Cross Bar (Black)
12	48566	Locking Angle (Black)		49015	184" Cross Bar (Black)
13	32897	7/16NC x 2.03 x 3 U-Bolt		49016	212" Cross Bar (Black)

SPIKE TOOTH MOUNTING ARMS

Prior To 10/91

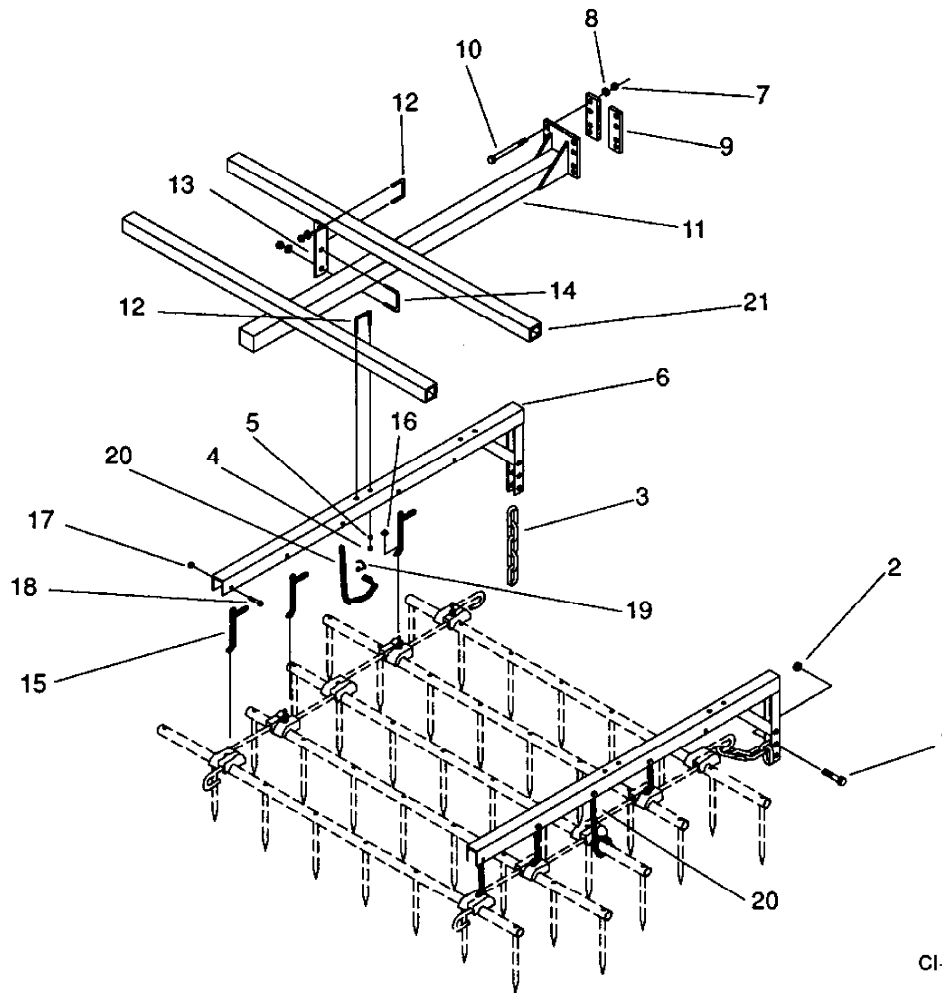


CI-78289A

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	88270	7/16NC Nut	12	49010	55" Cross Bar (Black)
2	88269	7/16 Lock Washer		49011	70" Cross Bar (Black)
3	88537	5/8NC x 2-3/4 GR5 Bolt		49012	94" Cross Bar (Black)
4	88294	5/8NC x 2 GR5 Bolt		49013	124" Cross Bar (Black)
5	48997	5 Link Chain		49014	152" Cross Bar (Black)
6	88369	5/8NC Lock Nut		49015	184" Cross Bar (Black)
7	88126	5/8NC Nut		49016	212" Cross Bar (Black)
8	88129	5/8 Lock Washer	13	32897	7/16NC x 2.03 x 3 U-Bolt
9	51360	Red Universal Plate	14	48566	Locking Angle
10	32631	Special Bolt	15	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
11	48555	Mounting Arm (Red)	16	48998	17 Link Chain
			17	88162	3/8NC Lock Nut
			18	88205	3/8NC x 2-1/2 GR2 Bolt
			19	89047	1/2NC Flanged Lock Nut
			20	49008	3 Bar Pull Arm (Red) (Shown)
				49009	5 Bar Pull Arm (Red)

NOTE: 48555 mounting arm is obsolete and replaced by 54278.

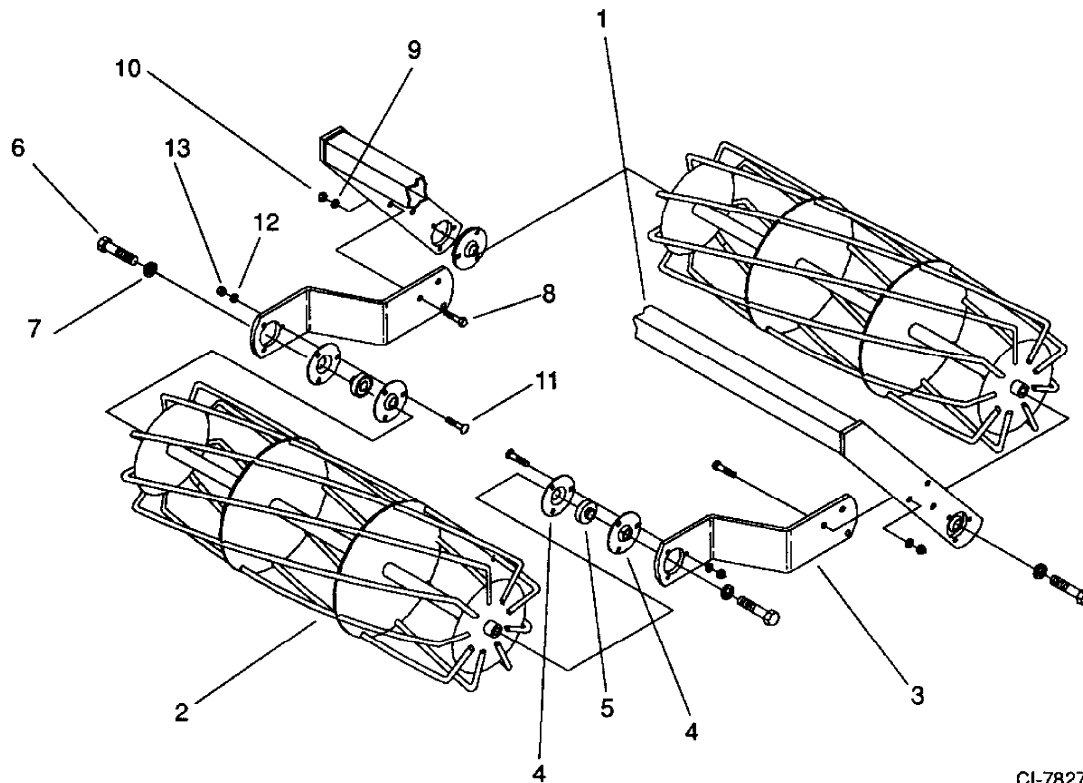
5 BAR SPIKE TOOTH MOUNTING ARMS (TUBE)



CI-78270A

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	88537	5/8 x 2-3/4 GR5 Bolt	14	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
2	88369	5/8NC Lock Nut	15	48998	17 Link Chain
3	48997	5 Link Chain	16	89048	7/16NC Flanged Lock Nut
4	88270	7/16NC Nut	17	88162	3/8NC Lock Nut
5	88269	7/16 Lock Washer	18	88489	3/8NC x 2-1/2 GR8 Bolt
6	54291	5 Bar Pull Arm (Black)	19	17642	Cold Shut
7	88126	5/8NC Nut	20	54479	20 Link Chain
8	88129	5/8 Lock Washer	21	49010	55" Cross Bar (Black)
9	51359	Black Universal Plate		49011	70" Cross Bar (Black)
10	32631	Special Bolt		49012	94" Cross Bar (Black)
11	54278	Mounting Arm (Black)		49013	124" Cross Bar (Black)
12	32897	7/16 x 2.03 x 3 U-Bolt		49014	152" Cross Bar (Black)
13	48566	Locking Angle (Black)		49015	184" Cross Bar (Black)
				49016	212" Cross Bar (Black)

DOUBLE ROLLING BASKET SECTIONS



CI-78272

COMPLETE SECTIONS

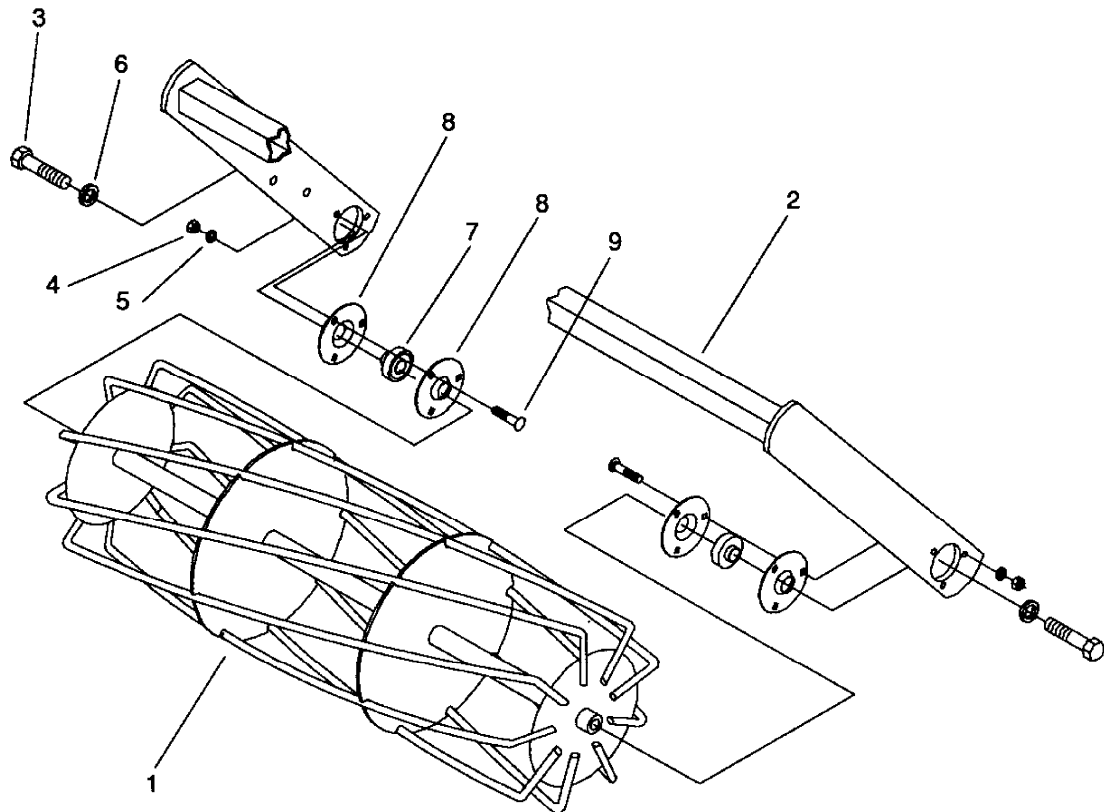
20549	3' Rolling Mulcher Section
20550	4' Rolling Mulcher Section
20551	5' Rolling Mulcher Section

ITEM PART NO. DESCRIPTION

1	21122	3' Basket Carrier
	21123	4' Basket Carrier
	21124	5' Basket Carrier
2	21125	3' Basket
	21126	4' Basket
	21127	5' Basket

ITEM	PART NO.	DESCRIPTION
3	21128	Offset Flat
4	21129	Flangette
5	21130	Basket Bearing
6	88405	3/4NC x 1-3/4 GR5 Bolt
7	88754	3/4 Lock Washer
8	88518	7/16NC x 1-1/4 GR5 Bolt
9	88269	7/16 Lock Washer
10	88270	7/16NC Nut
11	88519	5/16NC x 1 Carriage Bolt
12	88358	5/16 Lock Washer
13	88127	5/16NC Nut

ROLLING BASKET SECTIONS



CI-78274

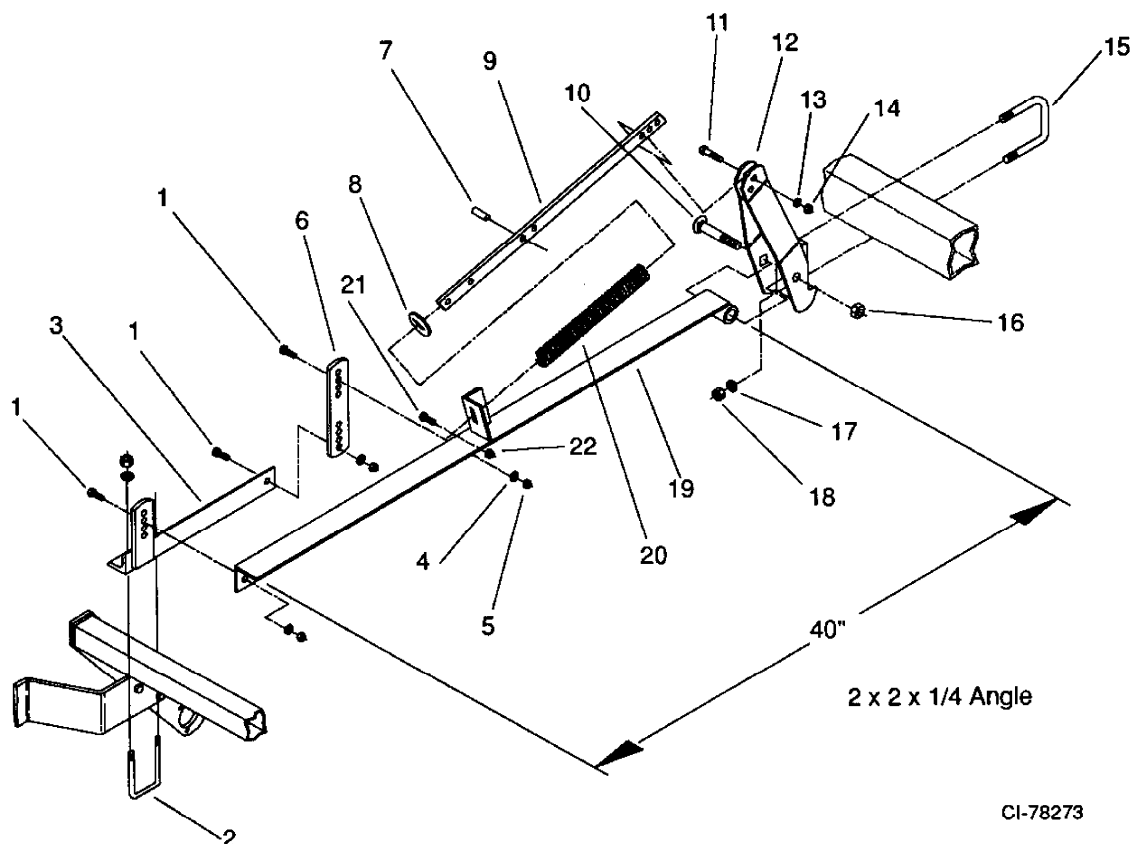
COMPLETE SECTIONS

26931	3-1/2' Basket Section
26932	4-1/2' Basket Section (Shown)
26933	5-1/2' Basket Section (Items 1 - 9)

ITEM	PART NO.	DESCRIPTION
1	21125	3' Basket
	21126	4' Basket
	21127	5' Basket

ITEM	PART NO.	DESCRIPTION
2	26937	36" Basket Carrier
	26938	48" Basket Carrier
	26939	60" Basket Carrier
3	88405	3/4NC x 1-3/4 GR5 Bolt
4	88127	5/16NC Nut
5	88358	5/16 Lock Washer
6	88754	3/4 Lock Washer
7	21130	Basket Bearing
8	21129	Flangette
9	88519	5/16NC x 1 Carriage Bolt

DOUBLE ROLLING BASKET ARM ASSEMBLY



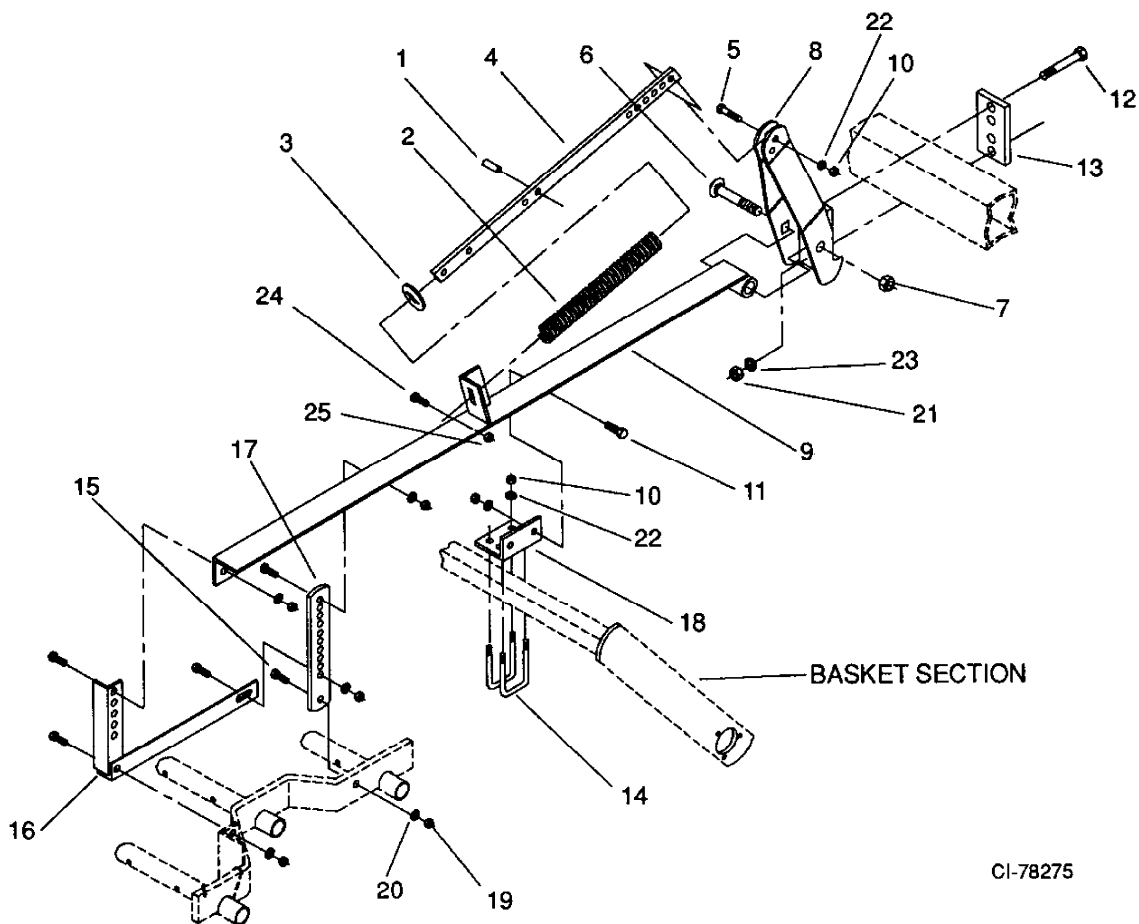
CI-78273

COMPLETE SECTIONS

20573	Mulcher Arm Assembly (Items 1, 3-14, 16, 19-20)
20554	Rolling Mulcher Section Mounting Hardware Kit

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	88554	1/2NC x 1-1/4 GR2 Bolt	9	13425	Spring Adjust Bar
2	88441	5/8NC x 2 x 3-1/4 U-Bolt	10	15593	3/4NC x 4-1/2 Carriage Bolt
3	20539	Mulcher Hanger Assy (Black)	11	88392	7/16NC x 1-1/2 Bolt
4	88303	1/2 Lock Washer	12	51362	Mounting Bracket Assy (Black)
5	88104	1/2NC Nut	13	88269	7/16 Lock Washer
6	51286	Adjustment Bar (Black)	14	88270	7/16NC Nut
7	88391	3/8x1-1/2 Roll Pin	15	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt
8	13444	Slotted Washer	16	88356	3/4NC Lock Nut
			17	88129	5/8 Lock Washer
			18	88126	5/8NC Nut
			19	51364	Angle Brace Assembly (Black)
			20	51361	HA Compression Spring (Black)
			21	88555	3/8NC x 1-1/4 GR5 Bolt
			22	88162	3/8NC Lock Nut

BASKET HARROW ARM



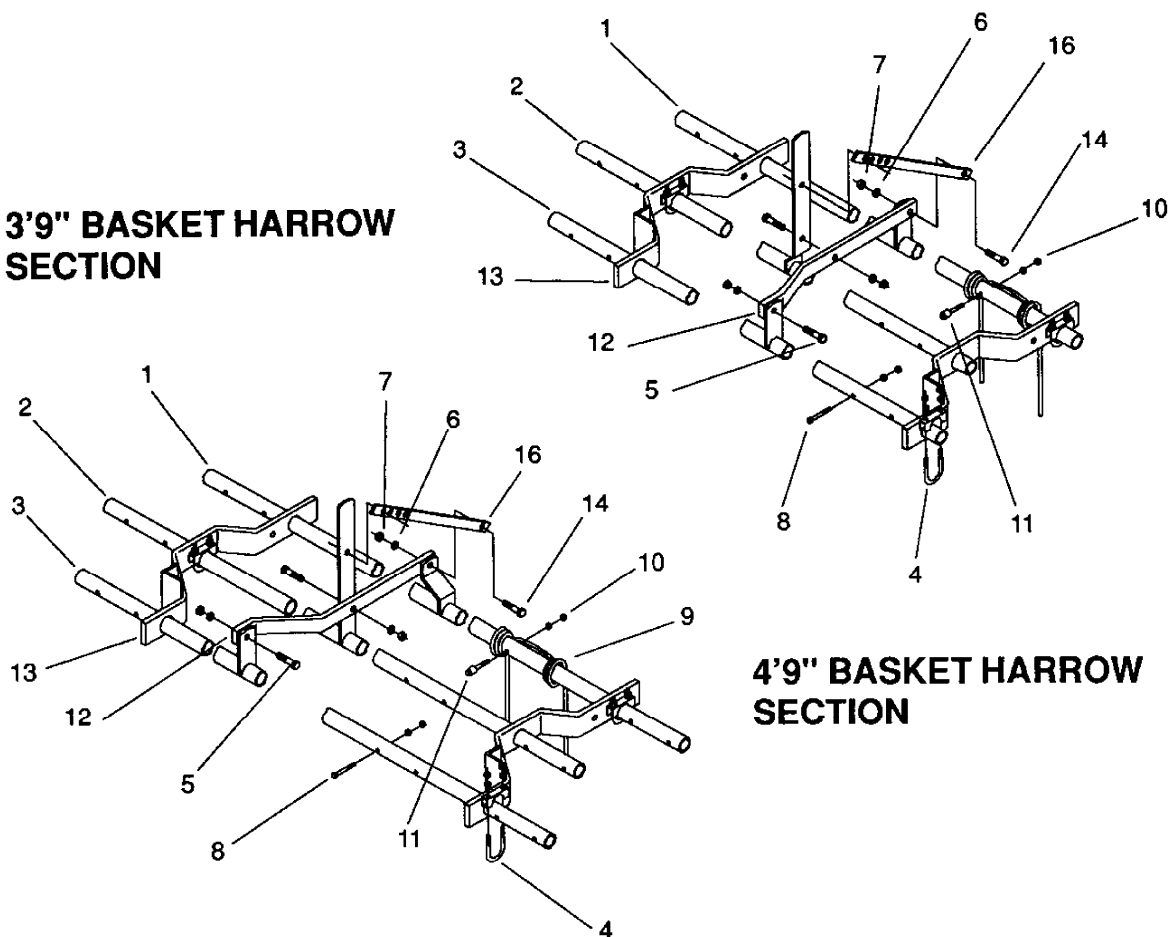
CI-78275

COMPLETE SECTIONS

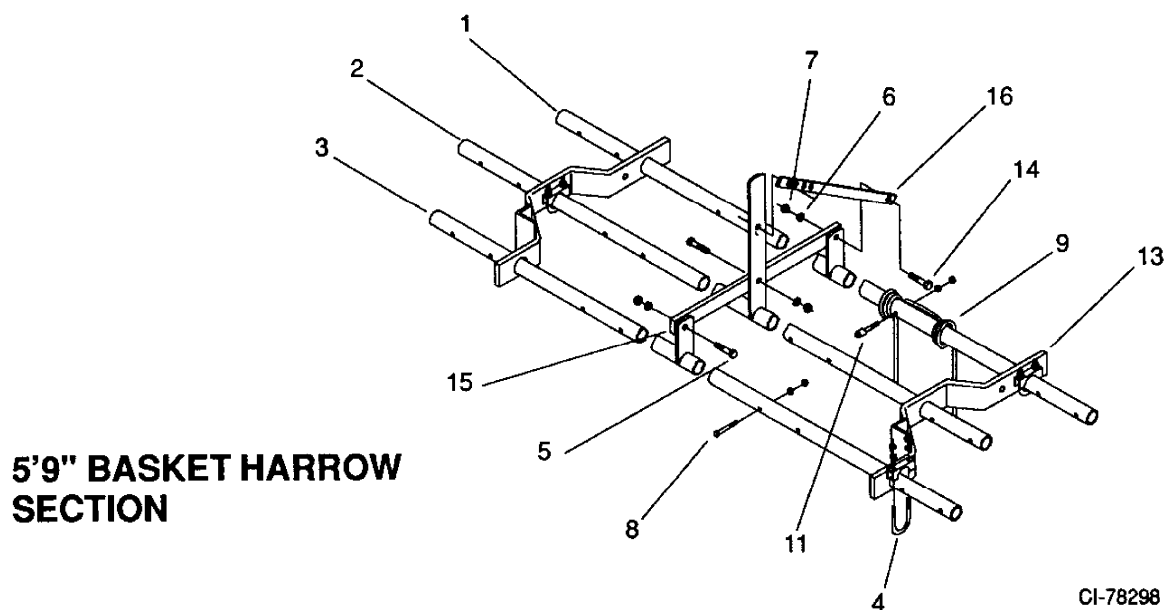
COMPLETE SECTIONS			ITEM	PART NO.	DESCRIPTION
	26927	Noble Baket Harrow Arm	9	26936	HD Angle Brace Assembly
	26930	Wil-Rich Basket Harrow Arm	10	88270	7/16NC Nut
		(Items 1 - 9)	11	88554	1/2NC x 1-1/4 GR 5 Bolt
			12	32631	5/8NC x 6 Special Bolt
			13	16351	White Universal Plate
			14	32897	7/16NC x 2.03 x 3 U-Bolt
	26929	BOP Basket Harrow	15	88475	1/2NC x 1-1/2 GR5 Bolt
1	88391	3/8 x 1-1/2 Roll Pin	16	26940	Harrow Bracket
2	21823	Compression Spring	17	26943	Adjustment Bar
3	13444	Slotted Washer	18	26944	Basket Attach
4	26935	Spring Adjust Bar Assembly	19	88104	1/2NC Nut
		(Includes Item 1)	20	88303	1/2 Lock Washer
5	88392	7/16NC x 1-1/2 GR 2 Bolt	21	88126	5/8NC Nut
6	15593	Harrow Carriage Bolt	22	88269	7/16 Lock Washer
7	88356	3/4NC Lock Nut	23	88129	5/8 Lock Washer
8	29534	Mounting Bracket (White)	24	88555	3/8NC x 1-1/4 GR5 Bolt
			25	88162	3/8NC Lock Nut

3 BAR COIL TINE HARROWS FOR BASKETS

3'9" BASKET HARROW SECTION



4'9" BASKET HARROW SECTION

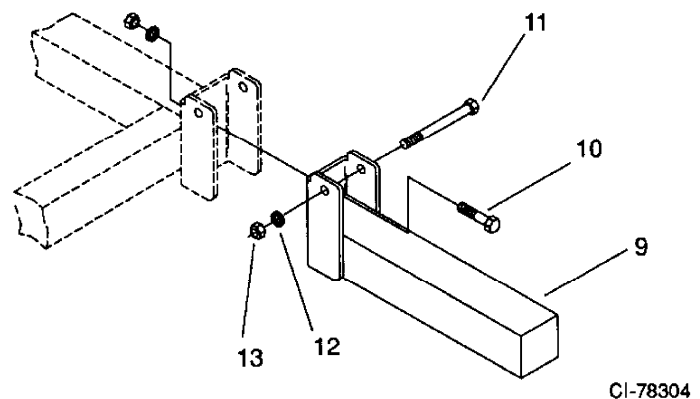
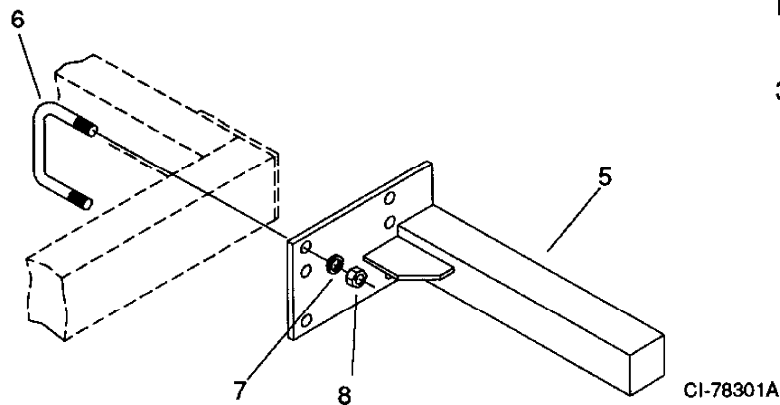
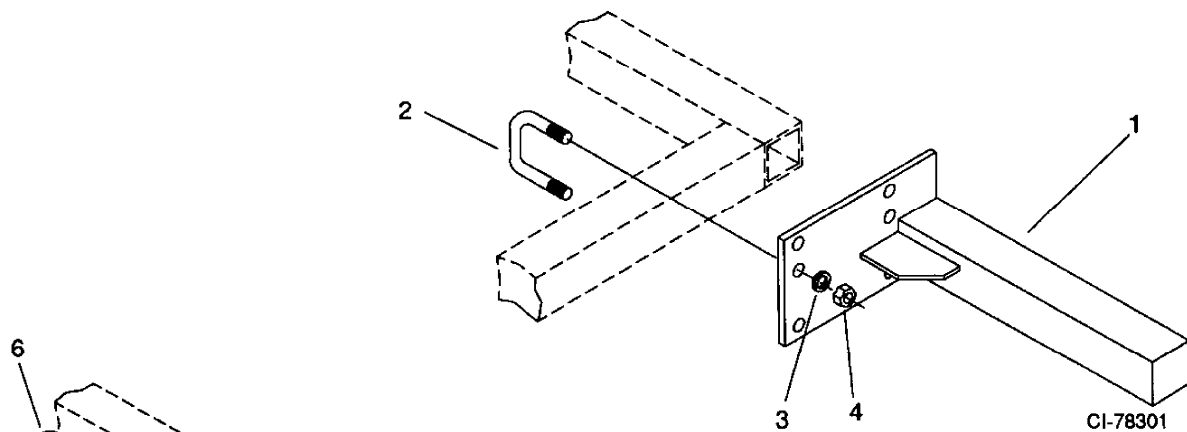


5'9" BASKET HARROW SECTION

CI-78298

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	26946	3' Front Tube	5	88554	1/2NC x 1-1/4 GR5 Bolt
	22968	4-1/2' Front Tube	6	88303	1/2 Lock Washer
	13453	6' Front Tube	7	88104	1/2NC Nut
2	26947	3' Center Tube	8	88499	3/8NC x 2 GR2Bolt
	22967	4-1/2' Center Tube	9	13419	12" Harrow Spring
	13462	6' Center Tube	10	88103	3/8NC Nut
3	26948	3' Rear Tube	11	32744	3/8NC x 2-1/2 Shoulder Bolt
	22966	4-1/2' Rear Tube	12	22969	3Bar Tie Strap
	13455	6' Rear Tube	13	13509	Section Bar Assembly
4	13515	Harrow Tube Clamp Includes;	14	88475	1/2NC x 1-1/2 GR5 Bolt
	18280	1-1/2OD Tube Clamp (1)	15	13430	Tube Adjustment Bar
	18281	1-1/2" Tube Saddle (1)	16	13431	Tooth Adjust Bar

2-1/2"SQ FIELD CULTIVATOR FRAME EXTENSIONS



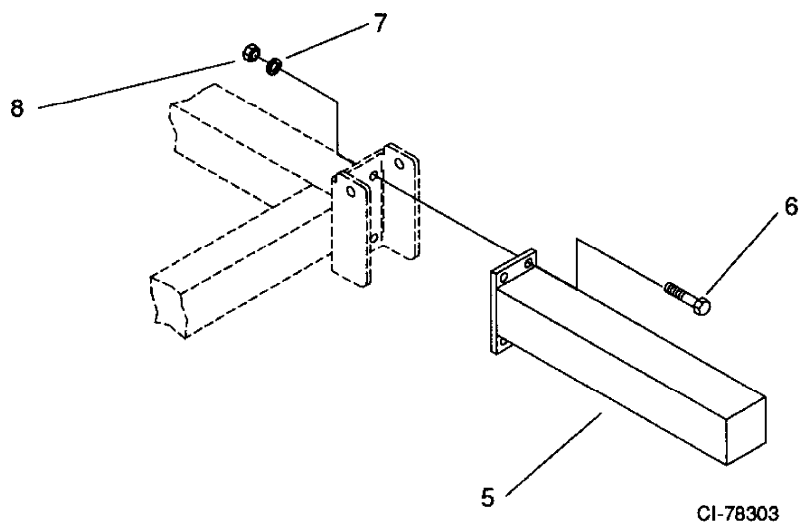
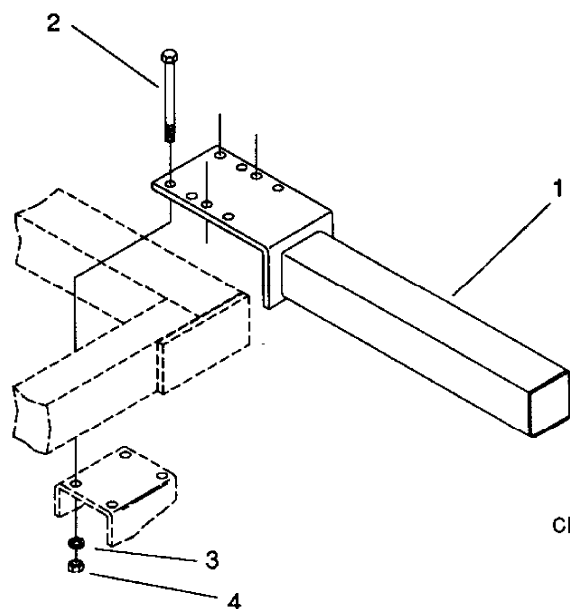
COMPLETE SECTIONS

20882	17" Extension Arm Kit (Items 1-4) (Two Arms)
20514	17" Harrow Extension Arm Kit (Items 5-8) (One Arm)
20782	17" Mounting Extension Kit (Items 9-13) (2 Extensions)

ITEM	PART NO.	DESCRIPTION
1	20881	17" Extension Arm
2	88311	5/8NC x 2-1/2 x 3-3/4 U-Bolt

ITEM	PART NO.	DESCRIPTION
3	88129	5/8 Lock Washer
4	88126	5/8NC Nut
5	20881	17" Extension Arm
6	88388	5/8NC x 4 x 3-1/4 U-Bolt
7	88129	5/8 Lock Washer
8	88126	5/8NC Nut
9	20781	17" Mounting Extension
10	88290	3/4NC x 2 GR8 Bolt
11	88293	3/4NC x 6 GR5 Bolt
12	88130	3/4 Lock Washer
13	88110	3/4NC Nut

24" CHISEL PLOW FRAME EXTENSION



ITEM	PART NO.	DESCRIPTION
1	14814	24" CP Frame Extension
2	88295	5/8NC x 6 GR5 Bolt
3	88129	5/8 Lock Washer
4	88126	5/8NC Nut

ITEM	PART NO.	DESCRIPTION
5	19894	24" CP Frame Extension
6	88294	5/8NC x 2 GR5 Bolt
7	88129	5/8 Lock Washer
8	88126	5/8NC Nut

DECALS & MANUALS

WIL-RICH® ¹

² **NOBLE**

IMPORTANT THIS SECTION CANNOT BE
ASSEMBLED WITHOUT USING
THE ASSEMBLY MANUAL. ³

ITEM	PART NO.	DESCRIPTION
1	18298	Wil-Rich 1-1/2 x 10
2	32785	Nolbe 1.25
3	41632	Adjustment Arm Decal
4	74155	Operator/Assembly Manual

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