# LIFT TYPE

#### MODELS D-45 TO D-48 INCLUSIVE

Page

## PARTS LIST AUGUST, 1948

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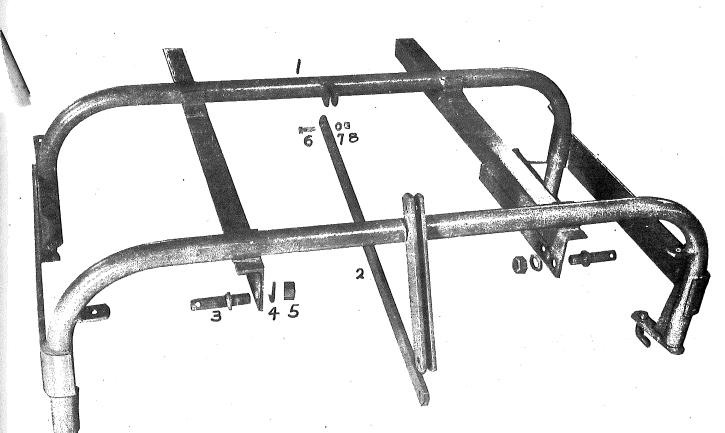
#### IMPORTANT

GIVE PART NUMBER AND DESCRIPTION WHEN ORDERING

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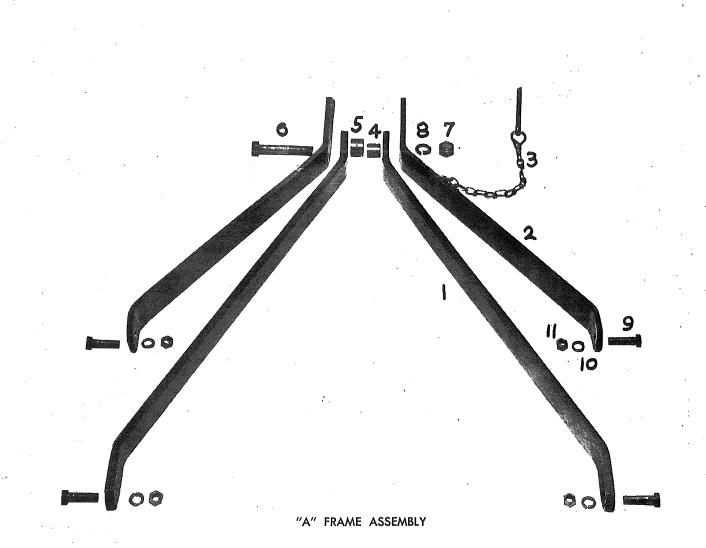
MAIN FRAME ASSEMBLY

Ref.	Part No.	DESCRIPTION	NUI	MBER REQU	IRED
No.		SESCRIPTION	5 ft.	6½ ft.	8 ft.
	D-500	Main Frame Welded Assembly	1	1	1
2	D-1585	Control Support Brace	1	1	1
3	D-1975	Draft Pull Pin	2	2	2
4	780-L	Lockwasher — 7% Spring Type		2	2
5	780-N	Hex Nut — 7/8 N.F.	2	2	2
6	706-C	Hex Capscrew — 1/16 N.F. x 11/2 Long		ĩ	1
7	716-L	Lockwasher – 7/16 Spring Type	1	1	1
8	716-N	Hex Nut $- \frac{7}{16}$ N.F.	i	i	i

NOTE: D-500 Main Frame Welded Assembly can be used on Models D-45 to D-48 inclusive.

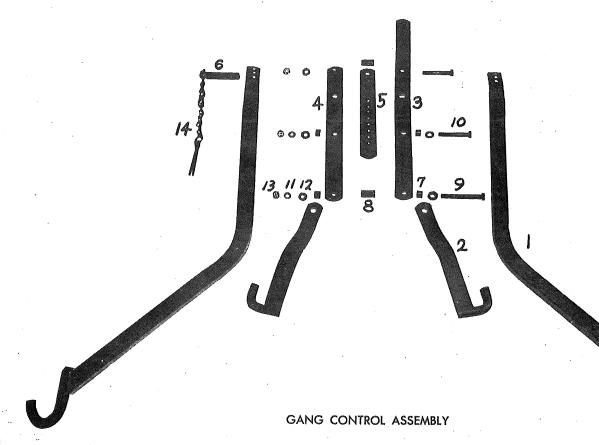
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Ref.	Part No.	DESCRIPTION	NU	MBER REQU	IRED
No.	, ran no.		5 ft.	6½ ft.	8 ft.
	D-2150	"A" Frame Assembly	1	1	1
1	D-2000	Rear Brace	2	2	2
2	D-2125	Upright	2	2	2
3	D-2750	Set Pin Assembly	1	1	1
4	D-2058	Spacer — 78 O.D. x 12 ga. x 78 Long	1	1	1
5	D-2078	Spacer -1% O.D. x 12 ga. x 7% Long	1	1 .	1
6	514-C	Hex Capscrew — 5/8 N.F. x 31/2 Long	1	1	1
7	580-N	Hex Nut — % N.F.	1	1	1
8	580-L	Lockwasher — 5% Spring Type	1	1	1
9	706-C	Hex Capscrew — 1/16 N.F. x 11/2 Long	4	4	4
10	716-L	Lockwasher — 7/16 Spring Type	4	4	4
11	716-N	Hex Nut – 7/16 N.F.	4	4	4

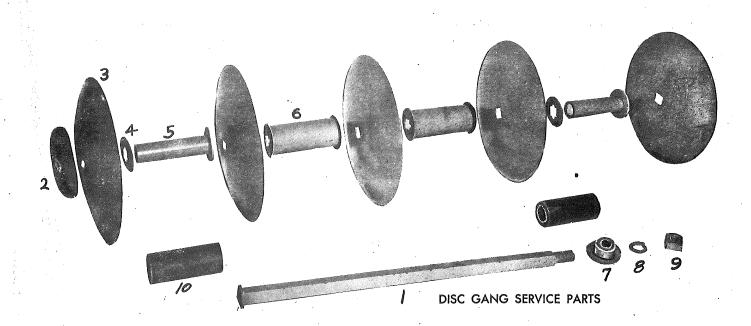
NOTE: D-2000 rear brace and D-2058 and D-2078 spacers, replace the eye bolt and rear brace assembly on D-47 Model. When ordering please specify the D-48 Model parts. When making this change additional mounting holes must be drilled in the angle on the main frame.



Ref. No.	Part No.	Part No. DESCRIPTION		NUMBER REQU	
140'			5 ft.	6½ ft.	8 ft.
	D-2450	Complete Gang Control Asesmbly	1	1	1
1	D-2250-R & L	Rear Control Bar	R. 2. 1 I	1 8 8 11	10211
2	D-2350-R & L	Front Control Bar	D & 1	10211	10911
3	D-2500	Control Lever Handle	1	1	IKOLIL
4	D-2600	Control Lever Short	1	1	1
5	D-2700	Set Bar	1	1	I 1
6	D-2265	Rear Control Pin	1	1	
7	D-2376	Spacer — <sup>11</sup> / <sub>16</sub> O.D. x 12 ga. x <sup>9</sup> / <sub>16</sub> Long			I A
8	D-2776	Spacer $- \frac{11}{16}$ O.D. x 12 ga. x 15/16 Long	4	4	4
9	716-C	Hex Capscrew $-\frac{1}{16}$ N.F. x 4 Long	2	2	2
10	713-C	Hex Capscrew $-\frac{7}{16}$ N.F. x $3\frac{1}{4}$ Long			I
11	716-L	Lockwasher - 74 Spring Type	2	2	2
12	716-W	Lockwasher — 1/16 Spring Type Washer — 1/16 Flat	3	3	3
13	716-N	$V_{16}$ Nut $\frac{7}{4}$ N E	4	4	4
14	D-2750	Hex Nut – <sup>7</sup> / <sub>16</sub> N.F.	3	3	3
14	0-2730	Set Pin Assembly	1 ·	1	1

NOTE: When using D-2250 Right and Left on Models D-45 and D-46, the hole in control lever handle and control lever short, must be enlarged to accommodate D-2265 Control Pin.

4



Ref. Part No.	DECODIDEION	NUMBER REQUIRED			
No.	Part No.	DESCRIPTION	5 ft.	6½ ft.	8 ft.
1	D-4445	Axle Shaft — 7⁄8 Square	2		.'
	D-4446	Axle Shaft — 7% Square		4	
	D-4448	Axle Shaft – 78 Square			. 4
	D-4465	Axle Shaft – 1½ Square	2		
	D-4466	Axle Shaft — 11/8 Square	2	4	
	D-4468	Axle Shaft — 1½ Square			4
2	D-4378	Bumper Washer for 7/8 Axle	2	2	2
	D-4398	Bumper Washer for 1¼ Axle	2	2	2
3	D-4611-B	Disc Blade — 16" Regular — for 7% Axle	16	20	24
	*D-4611-BC	Disc Blade – 16" Cut-away – for 7/8 Axle	••		~ ·
	D-4611-D	Disc Blade – 16" Regular – for 11/8 Axle	16	20	24 "
	*D-4611DC	Disc Blade — 16" Cut-away — for 1½ Axle			- ·
	D-4810-B	Disc Blade – 18" Regular – for 7s Axle	16	20	24
	*D-4810BC	Disc Blade — 18" Cut-away — for 78 Axle			
	D-4810-D	Disc Blade — 18" Regular — for 11/8 Axle	16	20	24
	*D-4810DC	Disc Blade – 18" Cut-away – for 11/8 Axle			- ·
	D-4209-D	Disc Blade – 20" Regular – for 1% Axle	16	20	24
	*D-4209DC	Disc Blade – 20" Cut-away – for 1½ Axle			
4	D-4275-A	Drive Washer – for % Axle	20	20	20
	D-4295	Drive Washer — for 11/8 Axle	20	20	20
5	D-4050	Bearing Spool Assembly — for 78 Axle	8	8	.8
	D-4052	Bearing Spool Assembly – for 11/8 Axle	8	8	8
6	D-4350	Spacer Spool Assembly – for 7/8 Axle	6	8	12
	D-4352	Spacer Spool Assembly – for 11/8 Axle	6	8	12
7	D-4778	Nut End Washer — for 7/8 Axle	4	4	4
	D-4798	Nut End Washer — for 1½ Axle	4	4	4
8	780-L	Lockwasher — 7/8 Spring Type	4	4	4
	1005-L	Lockwasher — 1 <sup>1</sup> / <sub>8</sub> Spring Type	4	4	4
9	780-NC	Square Nut – 78 N.C.	4	4	4
	1005-NC	Square Nut – 1¼ N.C.	4	4	4
10	D-3567	Wood Bushing	8	8	8

\* Note — Cut-away blades optional at extra cost.

The parts in the above illustration showing the Disc Gangs have been used on all models inclusive from March, 1945 to August 1, 1948.

At the time this catalog goes to press a new design has been made in the bearing assembly. Prior to this change the Part No. D 3567 Wood Bushing was 6%'' long and the D 4050 or D 4052 bearing 7%'' long. The bearing also had the concave side of the washer welded to the bearing. In the new design the bushings and bearings have been shortened 3%'' and the convex side of the washer welded to the bearing so that it will fit into the concave side of the blade away from the thrust

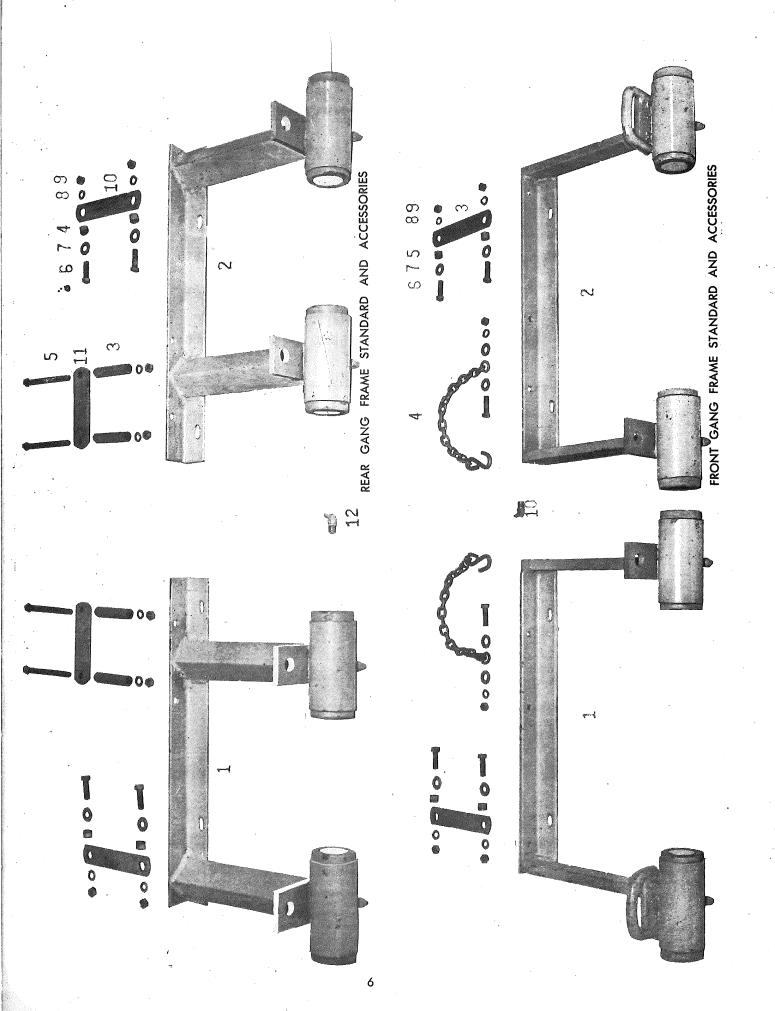
load. Bushings and bearings have both been shortened so that two loose washers can be put on the back side of the blade. This has been done for two reasons:

1. The two washers give additional back up strength.

2. When the loose thrust washer wears it can be replaced without the necessity of replacing the whole bearing.

This new design has been added to all models shipped after August 1, 1948 and should be used for all replacement orders. A supplement sheet will be forth coming shortly cataloging these new changes.

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#### **REAR GANG FRAME STANDARD AND ACCESSORIES**

Ref. Dent No.				MBER REQU	UIRED	
No.	Part No.	DESCRIPTION	5 ft.	6½ ft.	8 ft.	
1	D-3050-L	Left Rear Gang Standard	1	1	1	
2	D-3050-R	Right Rear Gang Standard	1	1	1	
3	D-3900	Spacer — 1/16 O.D. x 12 ga. x 4 Long	4	4	4	
4	D-2376	Spacer — <sup>11</sup> / <sub>16</sub> O.D. x 12 ga. x <sup>9</sup> / <sub>16</sub> Long	4	4	4	
5	721-C	Hex Capscrew — 1/16 N.F. x 51/4 Long	4	4	4	
Ă	706-C	Hex Capscrew — 1/6 N.F. x 11/2 Long	4	4	4	
7	716-W	Washer — <sup>7</sup> / <sub>16</sub> Flat	4	4	4	
, 8	716-L	Lockwasher — $\frac{7}{16}$ Spring Type	8	8	8	
ō ·	716-N	Hex Nut $-\frac{1}{16}$ N.F.	8	8	8	
10	D-3700	Stabilizer	2	2	2	
11	D-3800	Depth Plate	2	2	2	
12	D-3575	Grease Fitting	4	4	4	

NOTE: When using D-3050 Right and Left for D-46 and D-47 Models, new holes must be drilled to accommodate scrapers. When using D-3050 Right and Left for D-45 Model, rear end of depth bar D-1900, must be raised 1¾ inches. This can be done by drilling one hole in rear mounting bracket.

D-3050 R & L includes wood bushings align reamed and grease fittings.

When ordering Gang Standards without bushings or grease fittings use the part number D-3000 R or L.

### FRONT GANG FRAME STANDARD AND ACCESSORIES

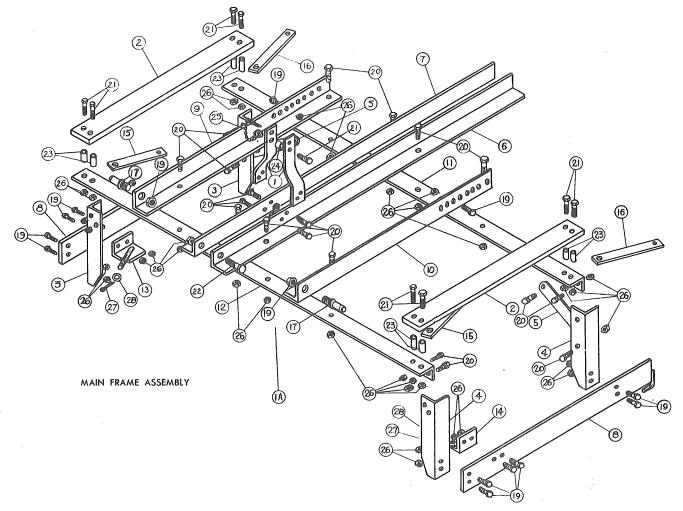
Ref. No.			NU/	ABER REQU	IRED
	Part No.	DESCRIPTION	5 ft.	6½ ft.	8 ft.
1	D-3150-L	Left Front Gang Standard	1	1	1
2		Right Front Gang Standard		1	. 1
3	D-3750	Stabilizer		2	2
4	D-3650	Chain Assembly	2	2	2
5	D-2376	Spacer – $\frac{11}{16}$ O.D. x 12 ga. x $\frac{9}{16}$ Long	4	4	4
6	706-C	Hex Capscrew – 1/16 N.F. x 11/2 Long		6	6
7	716-W	Washer — 7/6 Flat		6	6
8	716-L	Lockwasher – $\mathcal{V}_{16}$ Spring Type	6	6	6
9	716-N	Hex Nut – $\gamma_{16}$ N.F.		6	6
10	D-3575	Grease Fitting		4	4

NOTE: When using D-3150 Right and Left on D-45 to D-47 inclusive, new hole must be drilled to accommodate scrapers.

D-3150 R & L includes wood bushings align reamed and grease fittings.

When ordering Gang Standard without bushings or grease fittings use the part number D-3100 R or L.

# **LOVE LIFT TANDEM DISC HARROW** PARTS LIST FOR MODEL LD-9



REF. NO.	PART NO.	DESCRIPTION	NO. REQUIRED	REF. NO.	PART NO.	DESCRIPTION	NO. REQUIRED
1A	D 50050	Main Frame Assembly	1	 14	D 51350 L	Front Pivot Assembly (Left)	1
1	D 50025	Adjusting Bracket	2	15	D 51375	Front Gang Stabilizer	2
2	D 50075	Top Side Plate	2		*D 51385	Front Gang Stabilizer	2
3	D 50100 R	Frame Upright (Right)	2	16	D 51400	Rear Gang Stabilizer	2
4	D 50100L	Frame Upright (Left)	2		*D 51405	Rear Gang Stabilizer	2
5	D 50300	Upright Brace	2	17	D 1975	Pull Pin	2
6	D 50325	Left Center Angle	· 1	18	LN 780	Hex Nut 1/8"	2
7	D 50330	Right Center Angle	1	19	705 C	Hex Capscrew 716" x 11/4"	14
8	D 50450	Side Plate Assembly	2	20	704 C	Hex Capscrew 7/16" x 1"	22
	*D 50451 R	Side Plate Assembly	1	21	707 C	Hex Capscrew 7/16" x 1 3/4"	9
	*D 50451 L	Side Plate Assembly	1	22	715 C	Hex Capscrew 7/6" x 3 3/4"	1
9	D 50400 R	Lift Angle (Right)	1	23	D 2366	Spacer 7/16" x 7/16"	8
10	D 50400 L	Lift Angle (Left)	1	24	D 2376	Spacer 7/16" x 9/16"	1
11	D 50425	Cross Angle Rear	1	25	D 2750	Chevis Pin Chain	1
12	D 50435	Cross Angle Front	1	26	716 LN	Hex Lock Nut 7/6"	46
	*D 50545	Cross Angle Front	1	27	D 3165	Colter Key	2
13	D 51350 R	Front Pivot Assembly (Right)	1	28	580 W	Washer 5%"	2

\*NOTE—On 5' Models manufactured after July 15, 1950 these special parts are required.

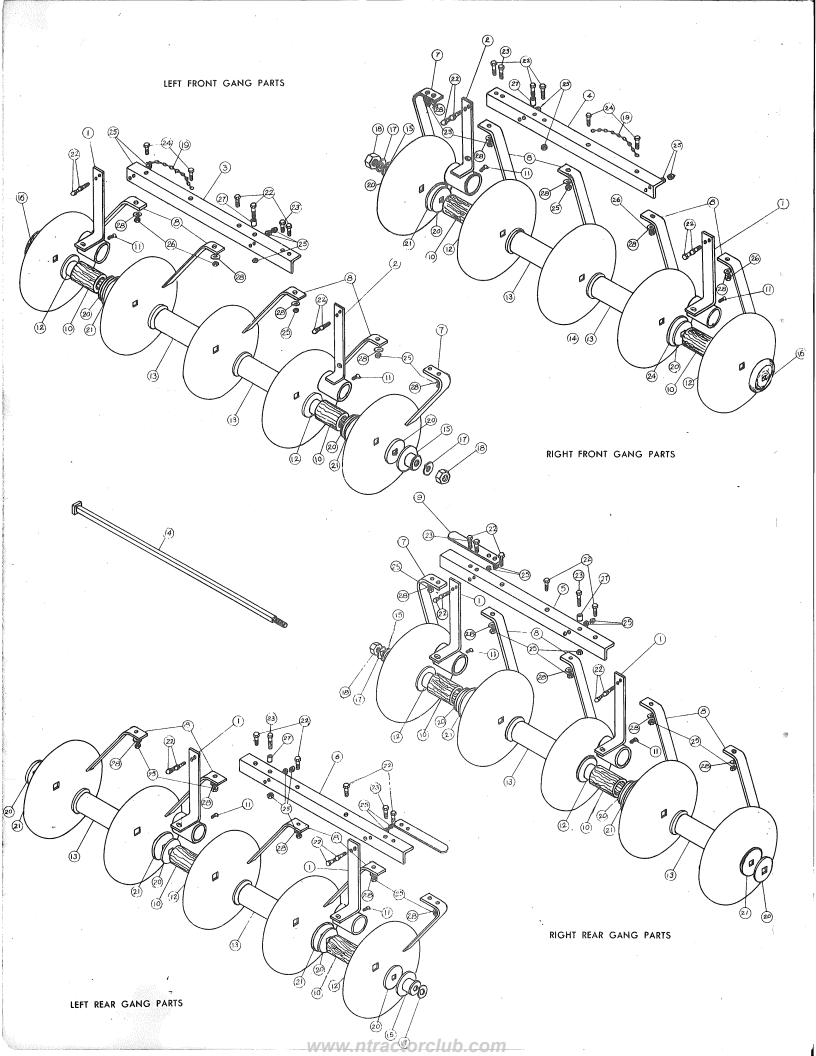
LOVE

GIVE PART NUMBER AND DESCRIPTION WHEN ORDERING

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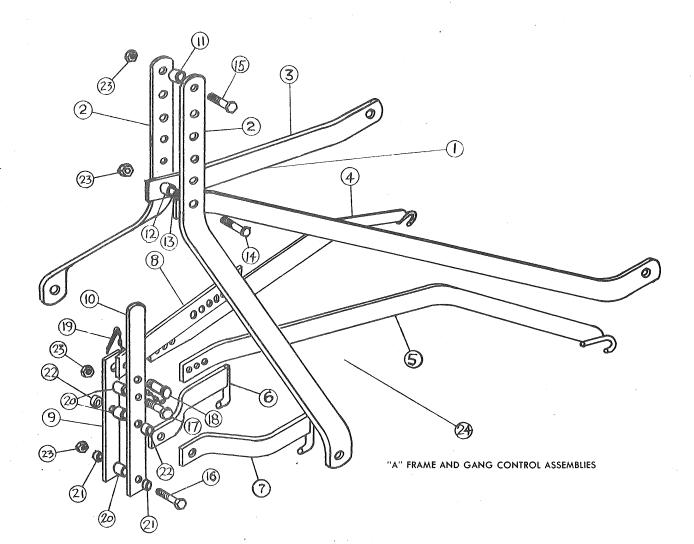
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#### FRONT AND REAR DISC GANG PARTS

NO.   NO.   DESCRIPTION   S'   6 ½'   8'   9'     1   D 51150   Gang Upright Assembly   2   1	REF.	PART		NC	). RE	QUIR	ED
2   D 51150   Gang Upright Assembly   2   2   2   2     3   D 51130   Front Gang Top Angle (Left)   1     D 51125   Front Gang Top Angle (Left)   1     D 51525   Front Gang Top Angle (Right)   1     D 51757   Front Gang Top Angle (Right)   1     D 51757   Front Gang Top Angle (Right)   1     D 51758   Front Gang Top Angle (Right)   1     D 51757   Front Gang Top Angle (Right)   1     D 51758   Reor Gang Top Angle (Left)   1     D 51825   Reor Gang Top Angle (Right)   1     D 51825   Scraper Blade   12   16     D 51325   Reor Depth Plate   2   2   2     D 51325   Reor Depth Plate   2   2   2     D 51325   Reor Gang Top Angle Right)   1   1   1	NO.	ŇO.	DESCRIPTION				
3   D 51130   Front Gang Top Angle (Left)   1     0   51125   Front Gang Top Angle (Left)   1     0   51725   Front Gang Top Angle (Left)   1     0   51725   Front Gang Top Angle (Right)   1     0   51175   Front Gang Top Angle (Right)   1     0   51175   Front Gang Top Angle (Right)   1     0   51175   Front Gang Top Angle (Right)   1     0   51075   Rear Gang Top Angle (Left)   1     0   51825   Rear Gang Top Angle (Right)   1     0   51875   Rear Gang Top Angle (Right)   1     1   0   51875   Rear Gang Top Angle (Right)     1 <td< td=""><td>1</td><td>D 51050</td><td>Gang Upright Assembly</td><td>6</td><td>6</td><td>6</td><td>10</td></td<>	1	D 51050	Gang Upright Assembly	6	6	6	10
D 51125   Front Gang Top Angle (Left)   1     D 51225   Front Gang Top Angle (Left)   1     A   D 51225   Front Gang Top Angle (Right)   1     J 51180   Front Gang Top Angle (Right)   1     D 51175   Front Gang Top Angle (Right)   1     D 51775   Front Gang Top Angle (Right)   1     D 51075   Rear Gang Top Angle (Left)   1     D 51075   Rear Gang Top Angle (Right)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51875   Rear Depth Plate   2   2   2     D 3560   Scraper Blade   8   8   12     D 4052   Bearing Assembly 1%" Axle   8   8   12     D 4052   Bearing Assembly 1%" Axle   8   8   12     D 4350   Spacer Spool Assem		D 51150	Gang Upright Assembly	2	2	2	2
D 51525   Front Gang Top Angle (Left)   1     A   D 51180   Front Gang Top Angle (Right)   1     D 51180   Front Gang Top Angle (Right)   1     D 51775   Front Gang Top Angle (Right)   1     D 51775   Front Gang Top Angle (Right)   1     D 51775   Rear Gang Top Angle (Left)   1     D 51080   Rear Gang Top Angle (Left)   1     D 51175   Rear Gang Top Angle (Right)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51875   Grease Fitting   8   8   12     D 3567   Grease Fitting   8   8   12   12     D 4050   Bearing Assembly 1%" Axle   8   8   12   12     D 4352   Spacer Spool As	3	D 51130	Front Gang Top Angle (Left)	1			
b 51725   Front Gang Top Angle (Left)   1     b 51180   Front Gang Top Angle (Right)   1     b 51775   Front Gang Top Angle (Right)   1     b 51875   Front Gang Top Angle (Right)   1     b 51875   Front Gang Top Angle (Left)   1     b 51875   Rear Gang Top Angle (Left)   1     b 51875   Rear Gang Top Angle (Left)   1     b 51875   Rear Gang Top Angle (Right)   1     b 51875   Rear Gang Top Angle Right)   1     b 51875   Rear Gang Top Angle Right)   1     b 51875   Rear Gang Top Angle Right)   1     b 51875   Rear Bapth Plate   2   2     b 51875   Rear Dapth Plate   2				1	1		
4   D 51180   Front Gang Top Angle (Right)   1     D 51175   Front Gang Top Angle (Right)   1     D 51757   Front Gang Top Angle (Right)   1     D 51080   Rear Gang Top Angle (Left)   1     D 510825   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     D 51875   Scraper Blode   4   4     8   B   8   8   8     11   D 3575   Grease Fitting   8   8   8   12     12   D 4050   Bearing Assembly ½" Asle   8   8   12   12     13   D 4352   Spacer Spool Assembly   4   4   8   12   12     14   D 44455						1	
D 51175   Front Gang Top-Angle (Right)   1     D 51775   Front Gang Top Angle (Right)   1     D 51785   Reor Gang Top Angle (Left)   1     D 51080   Rear Gang Top Angle (Left)   1     D 51075   Reor Gang Top Angle (Left)   1     D 51025   Rear Gang Top Angle (Left)   1     D 51100   Reor Gang Top Angle (Right)   1     D 51100   Reor Gang Top Angle (Right)   1     D 51675   Reor Gang Top Angle (Right)   1     D 51675   Reor Gang Top Angle (Right)   1     T D 51875   Reor Gang Top Angle (Right)   1     D 51875   Reor Gang Top Angle (Right)   1     D 51305   Scraper Blade   12   16   20   24     D 3557   Grease Filting   8   8   12   12     D 4050   Bearing Assembly 1/4" Axle   8   8   12   12     D 4455   Axle Shaft 1/4"   4   4   4   4     D 4445   Axle Shaft 1/4"   4   4   4							1
D 51575   Front Gang Top Angle (Right)   1     5   D 51080   Rear Gang Top Angle (Right)   1     5   D 51080   Rear Gang Top Angle (Left)   1     D 51075   Rear Gang Top Angle (Left)   1   1     D 51825   Rear Gang Top Angle (Left)   1   1     D 51825   Rear Gang Top Angle (Right)   1   1     D 51875   Rear Gang Top Angle (Right)   1   1     D 51875   Rear Gang Top Angle (Right)   1   1     D 51875   Rear Depth Plate   2   2   2     D 51325   Rear Depth Plate   2   2   2   2     D 3575   Grease Filting   8   8   8   12     10   D 3575   Grease Filting   8   8   8   12     11   D 3575   Grease Spool Assembly   -   -   -   2     11   D 4520   Bearing Assembly 11%" Axle   8   8   8   12   12     14350   Spacer Spo	4	1		1			
D 51775   Front Gang Top Angle (Right)   I     5   D 51080   Rear Gang Top Angle (Left)   1     D 51075   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51100   Rear Gang Top Angle (Right)   1     D 51475   Scraper Blade   4   4   4     8   D 51500   Scraper Blade   2   2   2     0   D 3557   Grease Fitting   8   8   8   12     10   D 3575   Grease Fitting   8   8   8   8   12     11   D 4350   Spacer Spool Assembly 7/4" Axle   8   8   8   12   12     12   D 4350   Spacer Spool Assembly   -   -   -     14/4   D 4445   Axle Shaft 7/4"   4   4   2   2     14   D 4445   Axle Shaft 1/4" <td></td> <td></td> <td></td> <td>ĺ</td> <td>1</td> <td></td> <td></td>				ĺ	1		
5   D 51080   Rear Gang Top Angle (Left)   1     D 51075   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Left)   1     D 51825   Rear Gang Top Angle (Right)   1     D 51100   Rear Gang Top Angle (Right)   1     D 51675   Rear Depth Plate   2   2   2     D 51300   Scraper Blade   12   16   20   24     P 51325   Rear Depth Plate   2   2   2   2     10   D 3567   Wood.Bushing   8   8   8   12     11   D 3575   Grease Fitting   8   8   8   12   12     14   D 4350   Spacer Spool Assembly 1/4" Axle   8   8   12   12     14   D 4445   Axle Shaft 1/4"   4   4   4   4						1	,
D 51075   Reor Gang Top Angle (Left)   1     D 51625   Reor Gang Top Angle (Left)   1     D 51825   Reor Gang Top Angle (Right)   1     D 51100   Reor Gang Top Angle (Right)   1     D 51875   Reor Gang Top Angle (Right)   1     D 51875   Reor Gang Top Angle (Right)   1     T   D 51875   Reor Gang Top Angle (Right)   1     T   D 51875   Reor Gang Top Angle (Right)   1     T   D 51875   Reor Depth Plate   2   2   2   2     D 51300   Scraper Blade   8   8   8   12   1     D 3575   Grease Fitting   8   8   8   12   12     D 4050   Beoring Assembly 7/4" Axle   8   8   8   12   12     D 4350   Spacer Spool Assembly   -   -   1/4" Axle   4   8   12   12     14   D 4445   Axle Shaft 7/4"   4   4   8   12   2     D 4446	5			Ι,			1
D 51625   Rear Gang Top Angle (Left)   1     0 51825   Rear Gang Top Angle (Left)   1     0 51110   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     T   D 51475   Scraper Blade   4   4   4     8   D 51305   Rear Depth Plate   2   2   2   2     D 51330   Rear Depth Plate   2   2   2   2     10   D 3567   Waad Bushing   8   8   8   12     12   D 4050   Bearing Assembly ½" Axle   8   8   8   12   12     13   D 4350   Spacer Spool Assembly   -   -   1½" Axle   8   8   12   12     14445   Axle Shaft ½"   4   4   8   12   12     14   D 4445   Axle Shaft ½"   4   4	5			l '	1		
b 51825   Reor Gang Top Angle (Left)   1     b 51110   Reor Gang Top Angle (Right)   1     b 51675   Reor Gang Top Angle (Right)   1     b 51675   Reor Gang Top Angle (Right)   1     c 51675   Reor Gang Top Angle (Right)   1     c 51675   Reor Gang Top Angle (Right)   1     c 51675   Scraper Blade   12   16     g 51500   Scraper Blade   12   16   20   24     g 51303   Reor Depth Plate   2   2   2   2     b 51305   Scraper Blade   8   8   8   12     b 3575   Grease Fitting   8   8   8   12     p 4052   Bearing Assembly 1½ Akle   8   8   12   12     p 4352   Spacer Spool Assembly   -   -   -   -     p 4445   Axle Shaft 1½"   4   8   12   12     p 4445   Axle Shaft 1½"   4   4   4   4     p 4445 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></td<>						1	
6   D 51110   Rear Gang Top Angle (Right)   1     D 51100   Rear Gang Top Angle (Right)   1     D 51875   Rear Gang Top Angle (Right)   1     T   D 51875   Rear Gang Top Angle (Right)   1     7   D 51475   Scraper Blade   12   16   20   24     8   D 51300   Scraper Blade   12   2						'	1
D 51100   Rear Gang Top Angle (Right)   1     D 51675   Rear Gang Top Angle (Right)   1     T   D 51875   Rear Gang Top Angle (Right)   1     7   D 51875   Scraper Blade   14   4   4   4     8   D 51323   Rear Depth Plate   2   2   2   2     10   D 55330   Bearing Assembly 76" Axle   8   8   8   12     11   D 3575   Greaze Fitting   8   8   8   12     12   D 4050   Bearing Assembly 76" Axle   8   8   8   12   12     13   D 4350   Spacer Spool Assembly   4   8   12   12     14   D 4445   Axle Shaft 76"   4   4   12   12     14   D 4445   Axle Shaft 1%"   4   4   4     D 4446   Axle Shaft 1%"   4   4   4     D 4446   Axle Shaft 1%"   4   4   4     D 44778<	6			1			•
D 51675   Rear Gang Top Angle (Right)   1     7   D 51875   Rear Gang Top Angle (Right)   1     7   D 51475   Scraper Blade   4   4   4   4     8   D 51300   Scraper Blade   12   16   20   24     9   D 51325   Rear Depth Plate   2   2   2   2     10   D 3567   Waad.Bushing   8   8   8   12     11   D 3575   Grease Fitting   8   8   8   12   12     13   D 4050   Bearing Assembly 1/4" Axle   8   8   8   12   12     14   D 4455   Axle Shaft 1/4"   4   8   12   12     14   D 4465   Axle Shaft 1/4"   4   4   4     D 4465   Axle Shaft 1/4"   4   4   4     D 4465   Axle Shaft 1/4"   4   4   4     D 4465   Axle Shaft 1/4"   4   4   4 <t< td=""><td>-</td><td></td><td></td><td></td><td>1</td><td></td><td></td></t<>	-				1		
D 51875   Rear Gang Top Angle (Right)   I <thi< th="">   I   I   &lt;</thi<>						1	
8   D 51500   Scraper Blade   12   16   20   24     9   D 51330   Rear Depth Plate   2   2   2   2     10   D 3575   Grease Fitting   8   8   8   12     11   D 3575   Grease Fitting   8   8   8   8   12     12   D 4050   Bearing Assembly ½" Axle   8   8   8   12   12     13   D 4350   Spacer Spool Assembly   -   -   -   -   -   -   -   12   12   12   -   -   -   -   -   -   12   12   -   -   -   -   -   -   -   -   12   12   -   -   -   -   -   -   -   -   -   12   12   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -		(					1
9   D 51 325   Rear Depth Plate   2 <th2< th="">   2   2   <th2< th=""></th2<></th2<>	7	D 51475	Scraper Blade	4	4	4	4
D 51 330   Rear Depth Plate   2   2     10   D 3567   Wood Bushing   8   8   8   12     11   D 3575   Grease Fitting   8   8   8   12     12   D 4050   Bearing Assembly ½" Axle   8   8   8   12     13   D 4350   Spacer Spool Assembly   7%" Axle   4   8   12   12     14   D 4455   Axle Shaft 1%"   4   8   12   12     14   D 4445   Axle Shaft 1%"   4   4   8   12   12     14   D 4445   Axle Shaft 1%"   4   4   4   4     D 4466   Axle Shaft 1%"   4   4   4   4     D 4468   Axle Shaft 1%"   4   4   4   4     D 4798   Nut End Washer 1½"   2   2   2   2     15   D 4777   Nut Lock 1½"   4   4   4     16   D 4378	8	D 51500	Scraper Blade	12	16	20	24
10 D 3567 Waod. Bushing 8 8 8 12   11 D 3575 Grease Fitting 8 8 8 12   12 D 4050 Bearing Assembly $1/s'' Axle$ 8 8 8 12   13 D 4350 Spacer Spool Assembly 7/s'' Axle 8 8 8 12   14 D 4455 Spacer Spool Assembly 7/s'' Axle 4 8 12 12   14 D 4445 Axle Shaft 1/s'' 4 4 8 12 12   14 D 4445 Axle Shaft 1/s'' 4 4 8 12 12   14 D 4445 Axle Shaft 1/s'' 4 4 4 4   D 4468 Axle Shaft 1/s'' 4 4 4 4 4   D 4469 Axle Shaft 1/s'' 4 4 4 4 4   D 4778 Nut End Washer 1/s''' 4 4 4 4   D 4777 Nut Lock 1/s''' 4 4 4 4   D 4777 Nut	9	D 51325	Rear Depth Plate	2	2	2	2
11 D 3375 Grease Fitting 8 8 8 12   12 D 4050 Bearing Assembly 1%" Axle 8 8 8 12   13 D 4052 Bearing Assembly 1%" Axle 8 8 8 12 12   13 D 4350 Spacer Spool Assembly 7%" Axle 4 8 12 12   14 D 4352 Spacer Spool Assembly 4 8 12 12   14 D 4445 Axle Shaft 1%" 4 4 8 12 12   14 D 4445 Axle Shaft 1%" 4 4 8 12 12   14 D 4446 Axle Shaft 1%" 4 4 4 4   D 4448 Axle Shaft 1%" 4 4 4 4   D 4459 Axle Shaft 1%" 4 4 4 4   D 4778 Nut End Washer 7%" 2 2 2 2   D 4378 Bumper Washer 1%" 4 4 4 4   D 4777 Nut Lock 7%" 4 4		D 51330	Rear Depth Plate	2			2
12 D 4050 Bearing Assembly ½" Axle 8 8 8 12   13 D 4052 Bearing Assembly 1½" Axle 8 8 8 12 12   13 D 4350 Spacer Spool Assembly 4 8 12 12   14 D 4352 Spacer Spool Assembly 4 8 12 12   14 D 4455 Axle Shaft 1½" 4 4 8 12 12   14 D 4465 Axle Shaft 1½" 4 4 4 4   D 4466 Axle Shaft 1½" 4 4 4 4   D 4468 Axle Shaft 1½" 4 4 4   D 4468 Axle Shaft 1½" 4 4 4   D 4778 Nut End Washer ½" 4 4 4 4   D 4778 Nut End Washer ½" 4 4 4 4   16 D 4378 Bumper Washer ½" 2 2 2 2   D 4398 Bumper Washer ½" 4 4 4 4   10 105 NC <td>10</td> <td>D 3567</td> <td>Wood Bushing</td> <td>8</td> <td>8</td> <td>8</td> <td>12</td>	10	D 3567	Wood Bushing	8	8	8	12
D 4052   Bearing Assembly 1/4" Axle   8   8   8   12     13   D 4350   Spacer Spool Assembly   7/4" Axle   4   8   12   12     14   D 4352   Spacer Spool Assembly   1/4" Axle   4   8   12   12     14   D 4455   Axle Shaft 7/8"   4   8   12   12     14   D 4465   Axle Shaft 1/8"   4   8   12   12     14   D 4466   Axle Shaft 1/8"   4   5   4   5     D 4468   Axle Shaft 1/8"   4   4   4   4   4     D 4469   Axle Shaft 1/8"   4   4   4   4     D 4778   Nut End Washer 7%"   4   4   4   4     15   D 4777   Nut Lock 7%"   4   4   4   4     16   D 4378   Bumper Washer 7%"   2   2   2   2   2   2   2   2   2   2   2	11	D 3575	-	8	8	8	12
13 D 4350 Spacer Spool Assembly 4 8 12 12   14 D 4455 Spacer Spool Assembly 1/8" Axle 4 8 12 12   14 D 4445 Axle Shaft 7%" 4 8 12 12   14 D 4465 Axle Shaft 7%" 4 4 8 12 12   14 D 4466 Axle Shaft 1%" 4 4 8 12 12   14 D 4466 Axle Shaft 1%" 4 4 4 4 4   D 4468 Axle Shaft 1%" 4 4 4 4 4   D 4468 Axle Shaft 1%" 4 4 4 4 4   D 4778 Nut End Washer 7%" 4 4 4 4   16 D 4378 Bumper Washer 1%" 4 4 4 4   16 D 4398 Bumper Washer 1%" 4 4 4 4   16 D 4205 Drive Washer 1%" 14 14 14 14 14 14 14 <td< td=""><td>12</td><td>D 4050</td><td>Bearing Assembly 7/8" Axle</td><td>8</td><td>8</td><td>8</td><td>12</td></td<>	12	D 4050	Bearing Assembly 7/8" Axle	8	8	8	12
$\sqrt{6''}$ Axle48121214D 4352Spacer Spool Assembly $1/6''$ Axle48121214D 4445Axle Shaft $76'''$ 48121214D 4445Axle Shaft $76'''$ 448121214D 4445Axle Shaft $1/6''$ 4444D 4465Axle Shaft $1/6''$ 4444D 4466Axle Shaft $1/6''$ 444D 4468Axle Shaft $1/6''$ 444D 4469Axle Shaft $1/6''$ 444D 4778Nut End Washer $76''$ 444D 4798Nut End Washer $76''$ 222D 4398Bumper Washer $76''$ 44416D 4378Bumper Washer $1/6''$ 44417D 4777Nut Lock $1/6''$ 44418D 780 NCAxle Nut $1/6''$ 44419D 3650Chain Assembly222220D 4275 ADrive Washer $1/6''$ 10101010D 10101010101012T05 CHex Capscrews $7/6'' x 1/4''$ 166623706 CHex Capscrews $7/6'' x 1/4''$ 16202424507 CHex Capscrews $7/6'' x 1/4''$ 16202428716 LNHex Nut $7/6'''$ 1		D 4052	Bearing Assembly 11/8" Axle	8	8	8	12
D   4352   Spacer Spool Assembly   4   8   12   12     14   D   4445   Axle Shaft ½"   4   -	13	D 4350					
14 $1 \frac{1}{6}$ " Axle48121214D 4445Axle Shaft $\frac{1}{6}$ "4D 4465Axle Shaft $\frac{1}{6}$ "4D 4466Axle Shaft $\frac{1}{6}$ "4D 4466Axle Shaft $\frac{1}{6}$ "-4-D 4468Axle Shaft $\frac{1}{6}$ "-4D 4469Axle Shaft $\frac{1}{6}$ "-4D 4469Axle Shaft $\frac{1}{6}$ "-4D 4469Axle Shaft $\frac{1}{6}$ "-4D 4778Nut End Washer $\frac{1}{6}$ "22D 4378Bumper Washer $\frac{1}{6}$ "22D 4398Bumper Washer $\frac{1}{6}$ "4416D 4378Bumper Washer $\frac{1}{6}$ "417D 4777Nut lock $\frac{1}{6}$ "4418D 780 NCAxle Nut $\frac{1}{6}$ "4419D 3650Chain Assembly22220D 4275 ADrive Washer $\frac{1}{6}$ "101010101010101021D 4275 ADrive Washer $\frac{1}{6}$ "101022705 CHex Capscrews $\frac{1}{6}$ " $\frac{1}{4}$ "4423706 CHex Capscrews $\frac{1}{6}$ " $\frac{1}{4}$ "442425T16 LNHex Nut $\frac{1}{6}$ "32364024507 CHex Capscrews $\frac{1}{6}$ " $\frac{1}{4}$ "4442425T16 LNHex Nut $\frac{1}{6}$ "3				4	8	12	12
14 D 4445 Axle Shaft $1/4"$ 4   D 4465 Axle Shaft $1/4"$ 4   D 4466 Axle Shaft $1/4"$ 4   D 4446 Axle Shaft $1/4"$ 4   D 4448 Axle Shaft $1/4"$ 4   D 4468 Axle Shaft $1/4"$ 4   D 4468 Axle Shaft $1/4"$ 4   D 4469 Axle Shaft $1/4"$ 4   D 44778 Nut End Washer $7/4"$ 4 4   D 4778 Nut End Washer $1/4"$ 2 2 2   D 4398 Bumper Washer $1/4"$ 4 4 4   16 D 4777 Nut Lock $1/4"$ 4 4 4   D 4777 Nut Lock $1/4"$ 4 4 4   17 D 4777 Nut Lock $1/4"$ 4 4 4   1005 NC Axle Nut $1/4"$ 4 4 4   19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer $1/4"$ 10 10 10 10   14 14 14		D 4352	, ,				
D 4465   Axie Shaft 1/a"   4     D 4466   Axie Shaft 1/a"   4     D 4466   Axie Shaft 1/a"   4     D 4466   Axie Shaft 1/a"   4     D 4468   Axie Shaft 1/a"   4     D 4468   Axie Shaft 1/a"   4     D 4469   Axie Shaft 1/a"   4     D 4778   Nut End Washer 1/a"   4   4     D 4797   Nut Lock 7/a"   4   4   4     D 4797   Nut Lock 7/a"   4   4   4     18   D 780 NC   Axie Nut 7/a"   4   4   4     19   D 3650   Chain Assembly   2   2   2   2     20   D 4275 A   Drive Washer 7/a"   10   10   10     21   D 4265   Drive Washer 7/a"   10   10					8	12	12
D 4446   Axie Shaft 7/8"   4     D 4466   Axie Shaft 7/8"   4     D 4466   Axie Shaft 1/8"   4     D 4468   Axie Shaft 1/8"   4     D 4469   Axie Shaft 1/8"   4     D 44797   Nut End Washer 7%"   4   4     D 4378   Bumper Washer 1/8"   4   4     D 4377   Nut Lock 7%"   4   4   4     D 4777   Nut Lock 7%"   4   4   4     D 4797   Nut Lock 7%"   4   4   4     18   D 780 NC   Axle Nut 7%"   4   4   4     19   D 3650   Chain Assembly   2   2   2   2     20   D 4275 A   Drive Washer 7%"   10   10   10   10     21   D 4265   Drive Washer 1/8"   10   10   10   <	14						
D 4466   Axle Shaft 1½"   4     D 4448   Axle Shaft 1½"   4     D 4468   Axle Shaft 1½"   4     D 4469   Axle Shaft 1½"   4     D 4469   Axle Shaft 1½"   4     D 4469   Axle Shaft 1½"   4     D 44798   Nut End Washer ½"   4   4     D 4778   Bumper Washer 1½"   2   2   2     D 4378   Bumper Washer 1½"   4   4   4     D 4797   Nut Lock 7%"   4   4   4     D 4797   Nut Lock 7%"   4   4   4     D 4797   Nut Lock 7%"   4   4   4     1005 NC   Axle Nut 1½"   4   4   4     19   D 3650   Chain Assembly   2   2   2   2     20   D 4275 A   Drive Washer 7%"   10   10   10     14   D 4295   Drive Washer 1½"   10   10   10     21   D 4275 A   Drive Washer 7%" </td <td></td> <td></td> <td></td> <td>4</td> <td></td> <td></td> <td></td>				4			
D 4448   Axle Shaft 7/8"   4     D 4468   Axle Shaft 1/8"   4     D 4469   Axle Shaft 1/8"   4     15   D 4778   Nut End Washer 7/8"   4   4   4     16   D 4378   Bumper Washer 7/8"   4   4   4   4     16   D 4378   Bumper Washer 1/8"   2   2   2   2     17   D 4777   Nut Lock 7/8"   4   4   4   4     18   D 780 NC   Axle Nut 1/8"   4   4   4     19   D 3650   Chain Assembly   2   2   2   2     20   D 4275 A   Drive Washer 1/8"   14   14   14   14     19   D 3650   Chain Assembly   2   2   2   2   2     20   D 4275 A   Drive Washer 1/8"   10   10   10   10     21   D 4265   Drive Washer 7/8"   16   6   6   6     24							
D 4468   Axle Shaft 1 ½"   4     D 4469   Axle Shaft 1 ½"   4   4     15   D 4778   Nut End Washer ½"   4   4   4     16   D 4798   Nut End Washer ½"   2   2   2   2     D 4398   Bumper Washer ½"   2   2   2   2   2     D 4777   Nut Lock ½"   4   4   4   4     18   D 780 NC   Axle Nut ½"   4   4   4     19   D 3650   Chain Assembly   2   2   2   2     20   D 4275 A   Drive Washer ½"   14   14   14   14     19   D 3650   Chain Assembly   2   2   2   2     21   D 4275 A   Drive Washer ½"   10   10   10   10     22   705 C   Hex Capscrews ½6" x 1½"   6   6   6     23   706 C   Hex Capscrews ½6" x 1½"   4   4   4					4		
D 4469Axle Shaft 1/s"415D 4778Nut End Washer 7s"44416D 4378Bumper Washer 7s"222D 4398Bumper Washer 7s"2222D 4398Bumper Washer 7s"222217D 4777Nut Lock 7s"444D 4797Nut Lock 1/s"44418D 780 NCAxle Nut 7s"44419D 3650Chain Assembly222220D 4275 ADrive Washer 7s"141414D 4295Drive Washer 7s"101010D 4265Drive Washer 7s"101010141414141421D 4275 ADrive Washer 7s"101010101010101015D 4265Drive Washer 7s"10101016202236404425716 LNHex Capscrews 76" x 11/4"26303426516 LNHex Nut 76"3236404427D 2366Spacer 7/6" x 7/6"444428716 LNHex Nut 76"16202428D 4612 BDisc Blade 16" Reg. 7s" Axle16202424D 4612 BC*Disc Blade 16" C.O. 7/6" Axle16202424							
15 D 4778 Nut End Washer 7%" 4 4 4   16 D 4798 Nut End Washer 1%" 4 4 4 4   16 D 4378 Bumper Washer 7%" 2 <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>4</td>						4	4
$ \begin{bmatrix} D 4798 \\ D 4378 \\ Bumper Washer 1/s" \\ 2 2 2 2 \\ 2 2 2 2 \\ 2 2 2 2 \\ 2 2 2 2 2 \\ 2 2 2 2 2 2 \\ 2 2 2 2 2 2 \\ 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 2 2 \\ 2 2 2 2 2 2 2 2 2 2 \\ 2 0 D 4797 \\ Nut Lock 1/s" \\ 4 4 4 4 4 \\ 4 \\ 19 \\ D 3650 \\ Chain Assembly \\ 2 2 2 2 2 2 2 2 2 \\ 2 0 \\ D 4275 A \\ D rive Washer 1/s" \\ 14 14 14 \\ 14 \\ 14 \\ 14 \\ 14 \\ 14 \\ $	15				4		4
16 D 4378 Bumper Washer $\frac{1}{8}^n$ 2 2 2   17 D 4777 Nut Lock $\frac{7}{8}^n$ 4 4 4   18 D 780 NC Axle Nut $\frac{7}{8}^n$ 4 4 4   18 D 780 NC Axle Nut $\frac{7}{8}^n$ 4 4 4   19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer $\frac{7}{8}^n$ 14 14 14   19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer $\frac{7}{8}^n$ 10 10 10   10 10 10 10 10 10 10   21 D 4265 Drive Washer $\frac{1}{8}^n$ 10 10 10 10   22 705 C Hex Capscrews $\frac{7}{8}^n$ x $\frac{1}{4}^n$ 4 4 4 4   25 716 LN Hex Nut $\frac{7}{6}^n$ 32 36 40 4   26 516 LN Hex Nut $\frac{7}{6}^n$ 32 36 4 4	15						٨
D 4398Bumper Washer 1 $\frac{1}{8}^{''}$ 222217D 4777Nut Lock $\frac{7}{8}^{''}$ 444D 4797Nut Lock $\frac{1}{8}^{''}$ 44418D 780 NCAxle Nut $\frac{1}{8}^{''}$ 44419D 3650Chain Assembly222220D 4275 ADrive Washer $\frac{7}{8}^{''}$ 14141419D 3650Chain Assembly222220D 4275 ADrive Washer $\frac{7}{8}^{''}$ 101010D 4265Drive Washer $\frac{1}{8}^{''}$ 10101010D 4265Drive Washer $\frac{1}{8}^{''}$ 10101021D 4265Drive Washer $\frac{1}{8}^{''}$ 1010101444444423706 CHex Capscrews $\frac{7}{16}^{''} \times \frac{1}{2}^{''}$ 66624507 CHex Capscrews $\frac{5}{6}^{''} \times \frac{1}{2}^{''}$ 44425716 LNHex Nut $\frac{7}{16}^{''}$ 3236404426516 LNHex Nut $\frac{7}{6}^{''}$ 444428716 WFlat Washer $\frac{7}{6}^{''} \times \frac{7}{6}^{''}$ 16202428D 4612 BC*Disc Blade 16'' C.O. $\frac{7}{6}^{''}$ Axle16202428D 4612 BC*Disc Blade 16'' Reg. $\frac{7}{6}^{''}$ Axle16202428D 4811 BC*Disc Blade 18'' Reg. $7$	16						-
17 D 4777 Nut Lock $\frac{7}{8}$ " 4 4 4   18 D 780 NC Axle Nut $\frac{7}{8}$ " 4 4 4 4   1005 NC Axle Nut $\frac{1}{8}$ " 4 4 4 4   19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer $\frac{7}{8}$ " 14 14 14   D 4295 Drive Washer $\frac{1}{8}$ " 10 10 10   D 4275 A Drive Washer $\frac{1}{8}$ " 10 10 10 10   D 4265 Drive Washer $\frac{1}{8}$ " 10 10 10 10 14   22 705 C Hex Capscrews $\frac{7}{16}$ " x $\frac{1}{2}$ " 6 6 6   24 507 C Hex Capscrews $\frac{5}{16}$ " x $\frac{1}{2}$ " 6 6 6   24 507 C Hex Nut $\frac{7}{16}$ " 32 36 40 4   25 716 LN Hex Nut $\frac{7}{16}$ " 32 36 40 4   26 516 LN Hex Nut $\frac{7}{16}$ " x $\frac{7}{16}$ " 4 4 4	10						2
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	17			4	4	4	
18 D 780 NC Axle Nut $\frac{7}{8}''$ 4 4 4   1005 NC Axle Nut $\frac{1}{8}''$ 4 4 4 4   19 D 3650 Chain Assembly 2							4
1005 NC Axle Nut 1½" 4 4 4 4   19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer ½" 14 14 14 14   D 4295 Drive Washer ½" 10 10 10 10   D 4275 A Drive Washer ½" 10 10 10 10   D 4275 A Drive Washer ½" 10 10 10 10   D 4265 Drive Washer ½" 10 10 10 14   22 705 C Hex Capscrews ½6" x 1½" 26 30 34 38   23 706 C Hex Capscrews ½6" x 1½" 4 4 4   25 716 LN Hex Nut ½6" 32 36 40 44   26 516 LN Hex Nut ½6" 4 4 4 4   27 D 2366 Spacer ½6" x ½6" 16 20 24 28   716 W Flat Washer ½6" 16 20 24 28   D 4612 BC bisc Blade 16" R	18			4	4	4	
19 D 3650 Chain Assembly 2 2 2 2   20 D 4275 A Drive Washer 7/8" 14 14 14 14   D 4295 Drive Washer 1/8" 14 14 14 14 14   21 D 4275 A Drive Washer 1/8" 10 10 10 10   22 705 C Hex Capscrews 7/6" x 11/4" 26 30 34 38   23 706 C Hex Capscrews 7/6" x 11/2" 6 6 6   24 507 C Hex Capscrews 7/6" x 11/2" 6 6 6   24 507 C Hex Nut 7/6" 32 36 40 44   25 716 LN Hex Nut 7/6" 32 36 40 44   26 516 LN Hex Nut 7/6" 4 4 4 4   27 D 2366 Spacer 7/6" x 7/6" 4 4 4 4   28 716 W Flat Washer 7/8" Axie 16 20 24 28   D 4612 BC bisc Blade 16" Reg. 7/8" Axie 16				4	4	4	4
D 4295   Drive Washer 1½"   14   14   14   18     21   D 4275 A   Drive Washer 7%"   10   10   10     D 4265   Drive Washer 7%"   10   10   10   14     22   705 C   Hex Capscrews 7%" x 1½"   26   30   34   38     23   706 C   Hex Capscrews 7%" x 1½"   6   6   6   6     24   507 C   Hex Capscrews 5%" x 1½"   4   4   4   4     25   716 LN   Hex Nut 7%"   32   36   40   44     26   516 LN   Hex Nut 7%"   4   4   4   4     26   516 LN   Hex Nut 5%"   4   4   4   4     27   D 2366   Spacer 7%" x 7%"   16   20   24   28     716 W   Flat Washer 7%"   16   20   24   28     D 4612 BC   Disc Blade 16" Reg. 7%" Axle   16   20   24   28     <	19		Chain Assembly	2	2	2	2
21 D 4275 A Drive Washer 7%" 10 10 10   D 4265 Drive Washer 1%" 10 10 10 10 14   22 705 C Hex Capscrews 7/6" x 1½" 26 30 34 38   23 706 C Hex Capscrews 7/6" x 1½" 6 6 6   24 507 C Hex Capscrews 7/6" x 1½" 4 4 4   25 716 LN Hex Nut 7/6" 32 36 40 44   26 516 LN Hex Nut 7/6" 4 4 4 4   27 D 2366 Spacer 7/6" x 7/6" 4 4 4 4   28 716 W Flat Washer 7/6" 16 20 24 28   D 4612 B Disc Blade 16" Reg. 7/3" Axle 16 20 24 28   D 4612 BC *Disc Blade 16" Reg. 1/3" Axle 16 20 24 28   D 4612 D Disc Blade 16" C.O. 7/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 18" Reg. 7/8" Axle 16 20 24	20	D 4275 A	Drive Washer 1/8"	14	14	14	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		D 4295		14	14	14	18
22 705 C Hex Capscrews 7/6" x 1 1/4" 26 30 34 38   23 706 C Hex Capscrews 7/6" x 1 1/2" 6 6 6 6   24 507 C Hex Capscrews 7/6" x 1 1/2" 4 4 4 4   25 716 LN Hex Nut 7/6" 32 36 40 44   26 516 LN Hex Nut 7/6" 4 4 4 4   27 D 2366 Spacer 7/6" x 7/6" 4 4 4 4   28 716 W Flat Wqsher 7/6" 16 20 24 28   D 4612 B Disc Blade 16" Reg. 7/s" Axle 16 20 24 28   D 4612 BC *Disc Blade 16" C.O. 7/s" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/s" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/s" Axle 16 20 24 28   D 4611 DC *Disc Blade 18" Reg. 7/s" Axle 16 20 24 28   D 4811 B Disc Blade 18" Reg. 1/s" Axle	21	D 4275 A		10	10	10	
23 706 C Hex Capscrews 7/6" x 11/2" 6 6 6 6   24 507 C Hex Capscrews 5/6" x 13/4" 4 4 4 4   25 716 LN Hex Nut 7/6" 32 36 40 44   26 516 LN Hex Nut 5/6" 4 4 4 4   27 D 2366 Spacer 7/6" x 7/6" 4 4 4 4   28 716 W Flat Washer 7/6" 4 4 4 4   28 716 W Flat Washer 7/6" 16 20 24 28   D 4612 B Disc Blade 16" Reg. 7/8" Axle 16 20 24 28   D 4612 D Disc Blade 16" Reg. 1/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/8" Axle 16 20 24 28   D 4611 DC *Disc Blade 18" Reg. 7/8" Axle 16 20 24 28   D 4811 B Disc Blade 18" Reg. 11/8" Axle 16		D 4265				10	14
24 507 C Hex Capscrews 3/6" x 13/4" 4 4 4 4   25 716 LN Hex Nut 7/6" 32 36 40 44   26 516 LN Hex Nut 5/6" 4 4 4 4   27 D 2366 Spacer 7/6" x 7/6" 4 4 4 4   28 716 W Flat Wqsher 7/6" 16 20 24 28   D 4612 B Disc Blade 16" Reg. 7/3" Axle 16 20 24 28   D 4612 D Disc Blade 16" Reg. 7/3" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 7/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 18" Reg. 7/8" Axle 16 20 24 28   D 4612 DC *Disc Blade 18" Reg. 7/8" Axle 16 20 24 28   D 4811 B Disc Blade 18" Reg. 1/8" Axle 16 20 24 28   D 4811 DC *Disc Blade 18" C.O. 1/8" Axle 16	22	705 C					
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26 516 LN Hex Nut <sup>5</sup> /4" 4 4 4 4   27 D 2366 Spacer <sup>7</sup> /6" x <sup>7</sup> /6" 4 4 4 4   28 716 W Flat Washer <sup>7</sup> /4" 16 20 24 28   D 4612 B Disc Blade 16" Reg. <sup>7</sup> /9" Axle 16 20 24 28   D 4612 BC *Disc Blade 16" Reg. <sup>1</sup> /9" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. <sup>7</sup> /9" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" Reg. <sup>1</sup> /9" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. <sup>7</sup> /9" Axle 16 20 24 28   D 4612 DC *Disc Blade 18" Reg. <sup>7</sup> /9" Axle 16 20 24 28   D 4811 B Disc Blade 18" Reg. <sup>1</sup> /9" Axle 16 20 24 28   D 4811 D Disc Blade 18" Reg. <sup>1</sup> /9" Axle 16 20 24 28   D 4811 DC *Disc Blade 18" C.O. <sup>1</sup> /9" Axle 16 20 24 28   D 4209 D Disc Blade 20" Reg. <sup>1</sup> /9" Axle <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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D 4612 B   Disc Blade 16" Reg. 7's" Axie   16   20   24     D 4612 BC   *Disc Blade 16" C.O. 7's" Axie   16   20   24     D 4612 D   Disc Blade 16" C.O. 7's" Axie   16   20   24   28     D 4612 DC   Pisc Blade 16" C.O. 11s" Axie   16   20   24   28     D 4612 DC   *Disc Blade 16" C.O. 11s" Axie   16   20   24   28     D 4612 DC   *Disc Blade 18" Reg. 7's" Axie   16   20   24   28     D 4811 B   Disc Blade 18" Reg. 7's" Axie   16   20   24   28     D 4811 D   Disc Blade 18" Reg. 11s" Axie   16   20   24   28     D 4811 DC   *Disc Blade 18" C.O. 11s" Axie   16   20   24   28     D 4209 D   Disc Blade 20" Reg. 11s" Axie   16   20   24   28     D 4209 DC   *Disc Blade 20" C.O. 11s" Axie   16   20   24   28							
D 4612 BC *Disc Blade 16" C.O. 7%" Axle   D 4612 D Disc Blade 16" Reg. 11%" Axle   D 4612 DC *Disc Blade 16" C.O. 11%" Axle   D 4612 DC *Disc Blade 16" C.O. 11%" Axle   D 4612 DC *Disc Blade 16" C.O. 11%" Axle   D 4811 B Disc Blade 18" Reg. 7%" Axle   D 4811 BC *Disc Blade 18" C.O. 7%" Axle   D 4811 D Disc Blade 18" Reg. 11%" Axle   D 4811 D Disc Blade 18" C.O. 11%" Axle   D 4811 D Disc Blade 18" C.O. 11%" Axle   D 4811 DC *Disc Blade 18" C.O. 11%" Axle   D 4209 D Disc Blade 20" Reg. 11%" Axle   D 4209 DC *Disc Blade 20" C.O. 11%" Axle	28						28
D 4612 D Disc Blade 16" Reg. 1½" Axle 16 20 24 28   D 4612 DC *Disc Blade 16" C.O. 1½" Axle 16 20 24 28   D 4811 B Disc Blade 18" Reg. ½" Axle 16 20 24 28   D 4811 BC *Disc Blade 18" Reg. ½" Axle 16 20 24 24   D 4811 BC *Disc Blade 18" C.O. ½" Axle 16 20 24 28   D 4811 D Disc Blade 18" Reg. 1½" Axle 16 20 24 28   D 4811 DC *Disc Blade 18" C.O. 1½" Axle 16 20 24 28   D 4811 DC *Disc Blade 20" Reg. 1½" Axle 16 20 24 28   D 4209 D Disc Blade 20" Reg. 1½" Axle 16 20 24 28   D 4209 DC *Disc Blade 20" C.O. 1½" Axle 16 20 24 28				10	20	<b>∠</b> 4	
D 4612 DC *Disc Blade 16" C.O. 1½" Axie   D 4811 B Disc Blade 18" Reg. ½" Axie   D 4811 BC *Disc Blade 18" C.O. ½" Axie   D 4811 D Disc Blade 18" Reg. 1½" Axie   D 4811 D Disc Blade 18" C.O. ½" Axie   D 4811 D Disc Blade 18" C.O. ½" Axie   D 4811 DC *Disc Blade 18" C.O. 1½" Axie   D 4811 DC *Disc Blade 18" C.O. 1½" Axie   D 4209 D Disc Blade 20" Reg. 1½" Axie   D 4209 DC *Disc Blade 20" C.O. 1½" Axie				14	20	21	20
D 4811 B   Disc Blade 18" Reg. 7/8" Axle   16   20   24     D 4811 BC   *Disc Blade 18" C.O. 7/8" Axle   1   1   20   24     D 4811 D   Disc Blade 18" C.O. 7/8" Axle   1   1   20   24     D 4811 D   Disc Blade 18" Reg. 11/8" Axle   1   6   20   24   28     D 4811 DC   *Disc Blade 18" C.O. 11/8" Axle   1   6   20   24   28     D 4209 D   Disc Blade 20" Reg. 11/8" Axle   1   6   20   24   28     D 4209 DC   *Disc Blade 20" C.O. 11/8" Axle   1   6   20   24   28				1°.	20	∡4	20
D 4811 BC *Disc Blade 18" C.O. 7/s" Axle   D 4811 D Disc Blade 18" Reg. 11/s" Axle   D 4811 DC *Disc Blade 18" C.O. 11/s" Axle   D 4811 DC *Disc Blade 18" C.O. 11/s" Axle   D 4209 D Disc Blade 20" Reg. 11/s" Axle   D 4209 DC *Disc Blade 20" C.O. 11/s" Axle					20	21	
D 4811 D   Disc Blade 18" Reg. 1½" Axle   16   20   24   28     D 4811 DC   *Disc Blade 18" C.O. 1½" Axle   -				10	20	<b>4</b> 4	
D 4811 DC   *Disc Blade 18" C.O. 1½" Axle     D 4209 D   Disc Blade 20" Reg. 1½" Axle     D 4209 DC   *Disc Blade 20" C.O. 1½" Axle				14	20	21	28
D 4209 D   Disc Blade 20" Reg. 1½" Axle   16   20   24   28     D 4209 DC   *Disc Blade 20" C.O. 1½" Axle   *   *   Axle   *   *   *   >					20	£ 4	20
D 4209 DC *Disc Blade 20" C.O. 1 1/8" Axie				16	20	24	28
						- 7	
		D 4209 DC D 4229 D	Disc Blade 22" Reg. 1 1/8" Axle				

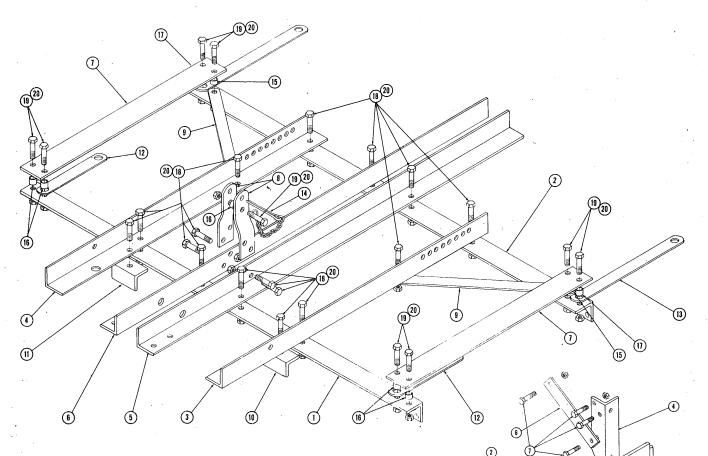
\* Note-Cut-away blades optional at extra cost.



REF. NO.	PART NO.	DESCRIPTION	NO. REQUIRED
1	D 50550	"A" Frame Assembly	1
2	D 50500	"A" Frame Upright	2
3	D 50525	"A" Frame Rear Brace	2
. 4	D 2200 R	Rear Gang Control (Right)	1
5	D 2200 L	Rear Gang Control (Left)	1
6	D 2350 R	Front Gang Control (Right)	1
7	D 2350 L	Front Gang Control (Left)	1
8	D 50125	Adjusting Control	l I
9	D 50225	Adjusting Lever	ī
10	D 50275	Adjusting Handle	1
11	D 2326	Spacer 7/6″ x 1 7⁄8″	1
12	D 2078	Spacer 7/8" x 7/8"	1.
	<b>9</b>		

REF. NO.	PART NO.	DESCRIPTION	NO. REQUIRED
13	D 2058	Spacer 5/8" x 7/8"	1
14	513 C	Hex. Capscrew 5/8" x 31/4"	1
15	712 C	Hex. Capscrew 7/6" x 3"	1
16	715 C	Hex. Capscrew 7/6" x 3 3/4"	1
17	711 C	Hex. Capscrew 7/6" x 234"	1
18	D 2265	Chevis Pin	1
19	D 2750	Chevis Pin Chain	1
20	D 2776	Spacer 7/16" x 15/16"	3
21	D 2376	Spacer 7/16" x 9/16"	2
22	D 2366	Spacer 7/16" x 7/16"	2
23	716 LN	Hex. Lock Nut 1/16"	4
24	D 50650	Gang Control Assembly	1

## LOVE CONTOUR TANDEM DISC HARROW PARTS LIST FOR MODELS LDC-10



MODEL LDC-10 LIFT TANDEM DISC HARROW BASIC MAIN FRAME **ASSEMBLY LDC-57051** (FOR 6 1/2' AND 8' HARROWS)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
-1	D-50445	Front Cross Angle	1
2	D-50425	<b>Rear Cross Angle</b>	1
3	LDC-57100-L	Left Lift Angle	1.
4 5	LDC-57100-R	Right Lift Angle	1
5	LDC-57120	Left Center Angle	1
6	LDC-57125	<b>Right Center Angle</b>	1
7	D-50075	Top Side Plate	2
7 8 9	D-50025	Adjusting Bracket	2
9	D-50310	Frame Brace	2
10	LDC-57135-L	Left Pivot Stop	1
11	LDC-57135-R	<b>Right Pivot Stop</b>	1
12	D-51375	Front Stabilizer	2
13	D-51400	Rear Stabilizer	2
14	D-2750	Chain and Cotterkey	1
15	D-2366	Spacer 7/16" x 7/16"	2
16	D-2376	Spacer 7/16" x 9/16"	5
17	D-2346	Spacer 7/16" x 3/4"	2
18	705-C	Capscrew 7/16" x 1 1/4"	16
19	707-C	Capscrew 7/16" x 1 3/4"	9
20	716-LN	Locknut 7/16"	25

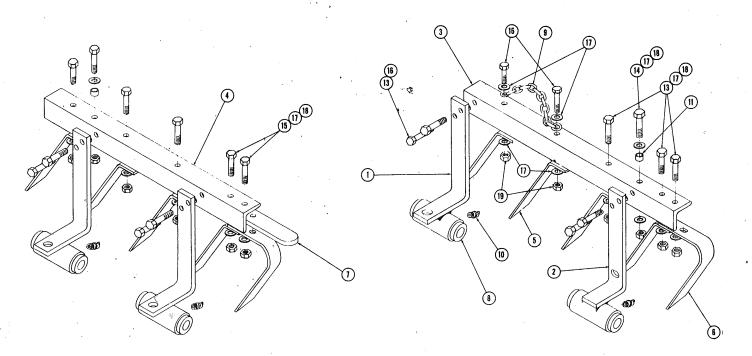
#### MODELS LD-10 AND LDC-10 LIFT TANDEM DISC HARROW FRAME ENDS ASSEMBLY D-50051 - LEFT (SHOWN) ASSEMBLY D-50052 - RIGHT (FOR 6 1/2' and 8' HARROWS)

REF.	PART	DESCRIPTION	NO.
NO.	NO.		REQ'D
1 2 3 4 5 6 7 8 9 10	D-50450 D-51350-L D-51350-R D-50100 D-50110 D-50300 705-C 716-LN 580-W D-3165	Side Plate Left Front Pivot Right Front Pivot Left Frame Upright Pight Frame Upright Upright Brace Capscrew 7/16" x 1 1/4" Locknut 7/16" Washer 5/8" Cotterkey 3/16" x 1 1/2"	2 1 2 2 2 2 4 2 4 2 4 2 2 2

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#### **RIGHT REAR SHOWN**

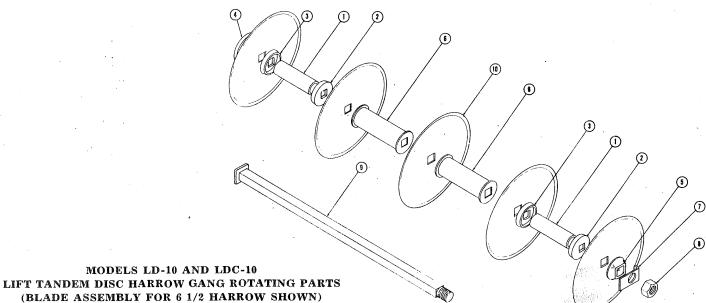
#### LEFT FRONT SHOWN

REQ'D PER HAR.

8' 9'

6 1/2'

MODELS LD-10 AND LDC-10 LIFT TANDEM DISC HARROW GANG FRAMES (FOR 6 1/2'--9' HARROWS)



				-			v	
REF. NO.	PART NO.	DESCRIPTION	REQ'D 6 1/2'	PER 8'	HAR. 9'	REF. NO.	PART NO.	DESCRIPTION
1 2	D-4060 D-4020	Bearing Thrust Washer	8	8	8	9	D-4466 D-4468	Axle 1 1/8" Axle 1 1/8"

1	<b>D-4060</b>	Bearing	8	8	8	9	<b>D-4466</b>	Axle 1 1/8"	- 4		
2	D-4020	Thrust Washer	8	8	8		<b>D-4468</b>	Axle 1 1/8"		4	
3	D-4025	Bearing Washer	8	8	8		D-4469	Axle 1 1/8"			4
4	<b>D-4</b> 398	*Bumper Washer	. 2	2	2	10	D-4612D	Disc Blade 16" Reg.	20	24	28
	D-51320	**Outer End Washer	2	2	2		D-4612DC	Disc Blade 16" Cut-out			
5	<b>D</b> -4798	Nut End Washer	4	4	4		D-4811D	Disc Blade 18" Regular			
6	D-4352	Spacer Spool	8	12	16		D-4811DC	Disc Blade 18" Cut-out			
7	D-4797	Nut Lock	- 4	4	4		D-4209D	Disc Blade 20" Regular			
8	1005-NC	Axle Nut	4	4	4		D-4209DC	Disc Blade 20" Cut-out			
9	D-4465	<b>Axlé 1 1</b> /8"					D-4229D	Disc Blade 22" Regular			
des transforments and a surgery	and the second	A REAL PROPERTY OF THE OWNER OF THE OWNER OF THE PARTY	Constant of the Disease of the local disease of the	the design of the day of the	Second						

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\*Bumper washers are standard on front right and left gangs.

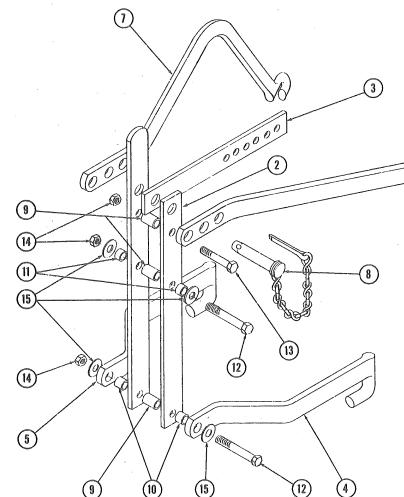
\*\*Outer end washers are standard on rear right and left gangs.

											and the second		
	REF. NO.	PART NO.	DESCRIPTION	PE 61/3		IAR. ' 9'		PART NO.	DESCRIPTION			, HA , 8'	
	1	D-51052	Gang Upright	6	6	10	6	D-51475	Scraper		4	4	4
	2	D-51053	Gang Upright	2	2	2	7	D-51330	Depth Plate		2	2	4*
	.3	D-51125	Left Front Gang Top Angle	1			8	D-3577	Wood Bushing		8 .	8	12
		D-51175	Right Front Gang Top Angle	1			9	D-3650	Lift Chain		2	2	2
		D-51525	Left Front Gang Top Angle		1		10	D-3575	Grease Fitting		8	8	12
		D-51575	Right Front Gang Top Angle		1		11	D-2366	Spacer 7/16" x 7/16"		4	4	4
		D-51725	Left Front Gang Top Angle			1	12*	D-2376	Spacer 7/16" x 9/16"				4*
•		D-51775	Right Front Gang Top Angle			1	13	705-C	Capscrew 7/16" x 1 1/4"	2	28	32	36
	4	D-51075	Left Rear Gang Top Angle	1			14	706-C	Capscrew 7/16" x 1 1/2"		8	8	4
		D-51100	Right Rear Gang Top Angle	1			15*	710-C	Capscrew 7/16" x 2 1/2"				4*
		D-51625	Left Rear Gang Top Angle		1		16	507-C	Capscrew 5/16" x 1 3/4"		4	4	4
		D-51675	Right Rear Gang Top Angle		. 1		17	716-W	Flat Washer 7/16"	2	28	32	36
		D-51825	Left Rear Gang Top Angle			1	18	716-LN	Locknut 7/16"	3	36	40	44
		D-51875	Right Rear Gang Top Angle			1	19	516-LN	Locknut 5/16"		4	4	4
	5	D-51500	Scraper	16	20	24							2

When complete Gang Frame and Rotating Parts are needed use the following assembly numbers:

	6 1/2'	8'	9'
Left Front Gang	D-51550	D-51650	D-51750
<b>Right Front Gang</b>	D-51551	D-51651	D-51751
Left Rear Gang	D-51552	D-51652	<b>D-51752</b>
<b>Right Rear Gang</b>	D-51553	D-51653	D-51753

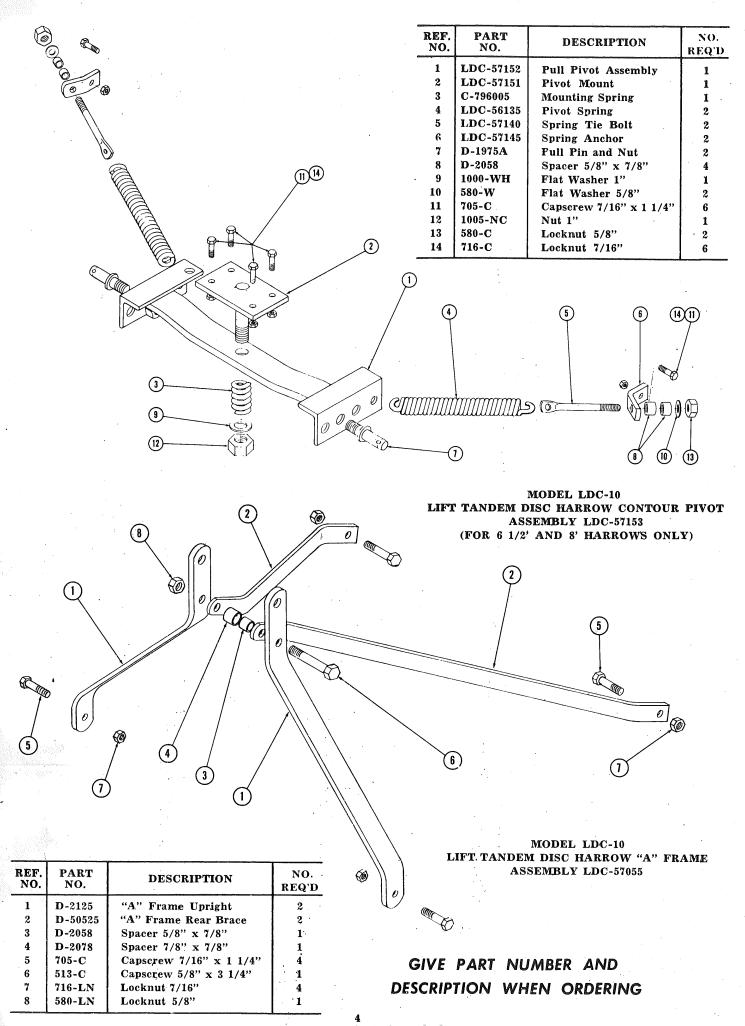
\*NOTE: Added Depth Plates are used on rear gangs of 5' & 9' Harrows. (Not Shown)



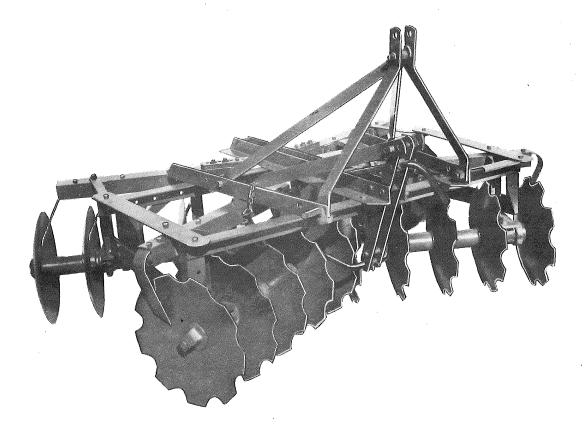
MODELS LD-10 AND LDC-10 LIFT TANDÈM DISC HARROW GANG CONTROL ASSEMBLY D-50650

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	D-50275	Control Handle	1
2	D-50225	Control Lever	1
3	D-50125	Control Set	1
4	D-2350-L	Left Front Gang Control	1
้จั	U-2350-R	<b>Right Frent Gang Control</b>	1
6	D-2250-L	Left Rear Gang Control	1
7	D-2250-R	<b>Right Rear Gang Control</b>	1
8	D-2265-A	Clevis Pin & Cotter Key	1
9	<b>D-2776</b>	Spacer 7/16" x 1 5/16"	3
10	D-2376	Spacer 7/16" x 9/16"	2
11	D-2366	Spacer 7/16" x 7/16"	2
12	715-C	Capscrew 7/16" x 3 3/4"	2
13	711-C	Capscrew 7/16" x 2 3/4"	1
14	716-LN	Locknut 7/16"	3
15	716-W	Flat Washer 7/16"	4

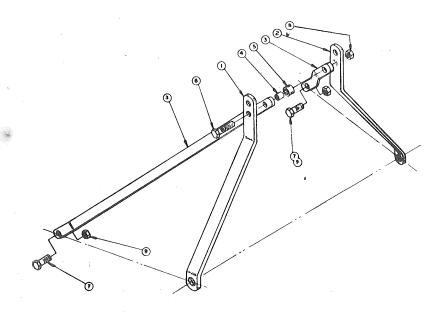
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## Model LD-1



LIFT TANDEM DISC HARROW PARTS SECTION



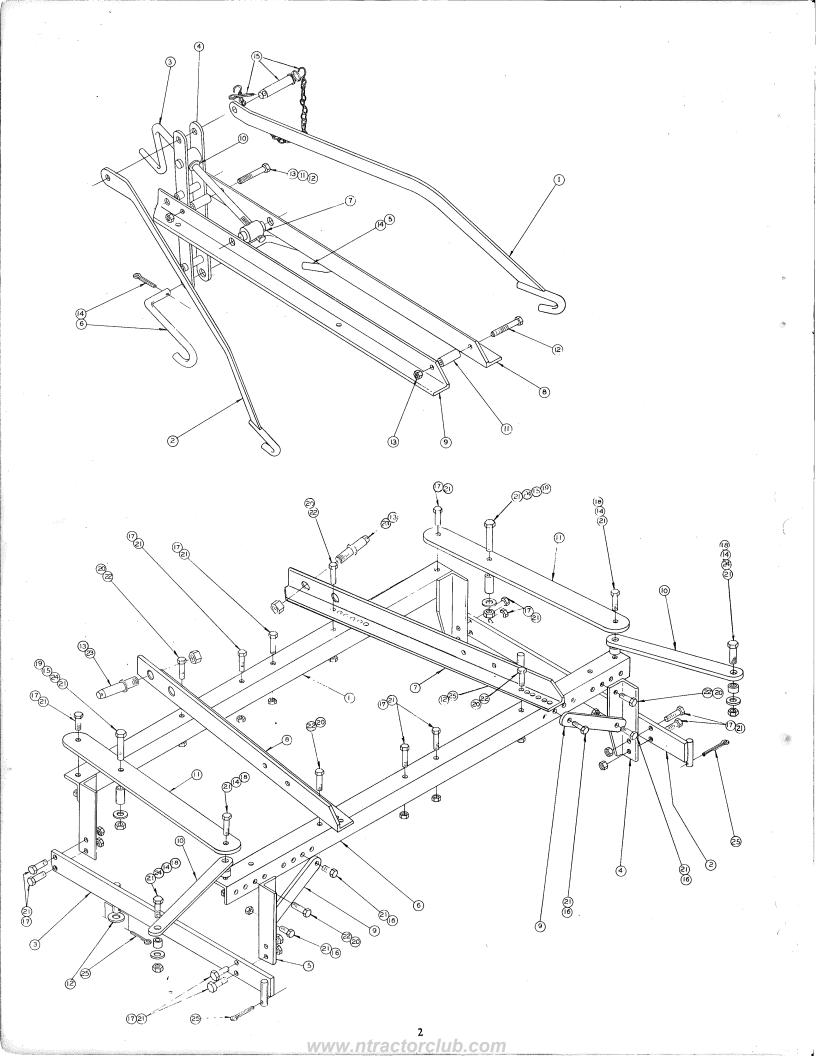
## TANDEM DISC HARROW "A" FRAME ASSEMBLY D-50753

REF. NO.	PART NO.	DESCRIPTION	NO. REQ		NG WT OZ.
1	D-50560R	"A" Frame Upright (Right)	1	5	4.
2	D-50560L	"A" Frame Upright (Left)	1	5	4
3	D-50535	"A" Frame Rear Brace	2	7	8
4	D-2058	Spacer 5⁄8″ x 7⁄8″	1		1
5		Spacer 7/8" x 7/8"	1		2
6	AF-1026RH	Capscrew 5⁄8″ x 31⁄4″	1	*	*
7	AF-0712RH	Capscrew <u>7</u> 6″ x 1½″	2	*	*
8	KF-1000PS	Locknut 5⁄8″ N.F.	1	*	*
9	KF-0700PS	Locknut 🖧 N.F.	2	*	*

\* These small parts are usually purchased locally.

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TANDEM	DISC HARRON	V GANG	CONTROLS
	ASSEMBLY	D-50854	

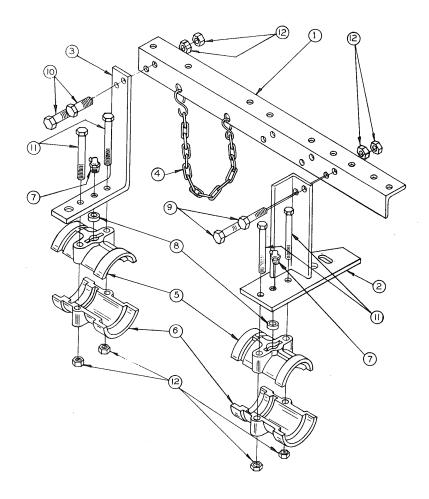
REF.	PART			NO. PER H	REQ'D ARRO\	N	SHIPPIN	G WT.
NO.	NO.	DESCRIPTION	5'	7'	8'	9'	LB.	OZ.
1.	D-2253 R	Rear Control (Right)	1	1	1	1	11	8
2.	D-2253 L	Rear Control (Left)	1	1	1	1	11	8
3.	D-50254	Screw Control	1	1	1	1	4	
4.	D-50354	Control Pivot	1	1	1	1	9	8
5.	D-2370 R	Front Pull Hook (Right)	1	1	1	1	2	8
6.	D-2370 L	Front Pull Hook (Left)	1	1	1	1	2	8
7.	D-50210	Trunnion Block	1	1	1	1	1	8.
8.	D-50235 R	Center Angle (Right)	1	1	1	1	11	8
9.	D-50235 L	Center Angle (Left)	1	1	1	1	11	8
10.	D-1960	Washer 3/8″	1	1	1	1		1
11.	D-2336	Spacer $\frac{7}{16}$ x $2\frac{1}{2}$	2	2	2	2		2
12.	AF-0728 RH	Capscrew $\frac{7}{16}$ "NF x $3\frac{1}{2}$ "	2	2	2	2		2
13.	KF-0700 PS	Locknut 716″NF	2	2	2	2		1
14.	TZ-0412 PS	Cotterkey 1⁄4" x 11⁄2"	1	1	1	1		2
15.	TZ-0616 PS	Cotterkey ¾″ x 2″	2	2	2	2		2
16.	D-2265 A	Clevis Pin w/Chain & Cotter	1	1	1	1		13

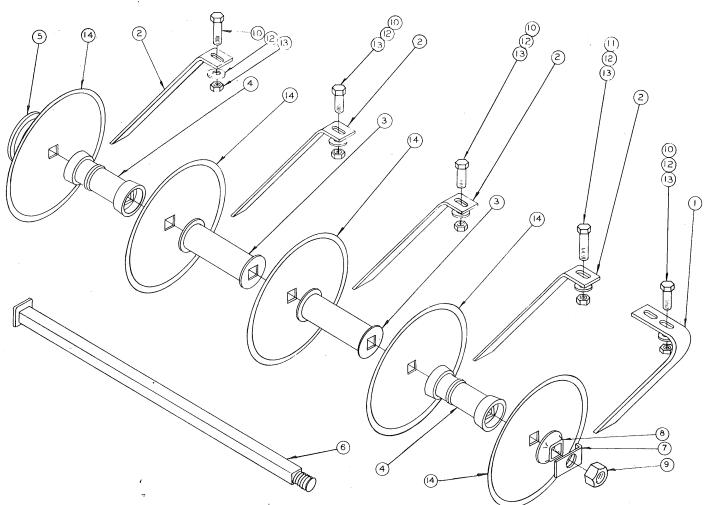
#### TANDEM DISC HARROW MAIN FRAME

#### 7'---8' FRAME ASSEMBLY D-50852 (shown) 5' FRAME ASSEMBLY D-50853

REF.	PART			NO. PER H	REQ'D		SHIPPIN	IG WT.
NO.	NO.	DESCRIPTION	5′	7'	8'	9′	LB.	oz.
۱.	D-50850	Front Cross Angle		1	1	1	30	4
	D-50851	Front Cross Angle	1				24	12
2.	D-50351 R	Side Plate (Right)		1	1	1	14	12
	D-50452 R	Side Plate (Right)	1				16	4
3.	D-50351 L	Side Plate (Left)		1	1	1	14	12
	D-50452 L	Side Plate (Left)	1				16	4
4.	D-50140 R	Rear Frame Upright (Right)	1	1	1	1	3	4
5.	D-50140 L	Rear Frame Upright (Left)	1	1	1	1	3	4
6.	D-50490	Rear Cross Angle	1	1	1	1	· 21	4
7.	D-50485 R	Lift Angle (Right)	1	1	1	1	15	4
8.	D-50485 L	Lift Angle (Left)	1.	1	1	1	15	4
9.	D-50300	Upright Brace	2	2	2	2	1	
10.	D-51405	Rear Stabilizer	2					. 13
	D-51415	Rear Stabilizer		2	2	2		11
11.	D-50080	Top Side Plate	2	2	2	2	6	8
12.	D-1960	Washer 7/8"	2	2	2	2		1
13.	D-1975	Pull Pin	2	2	2	2		12
14.	D-2366	Spacer $\frac{7}{16}$ x $\frac{7}{16}$	4	4	4	4		1
15.	D-2326	Spacer $\frac{7}{16}$ x 17/8"	2	2	2.	2		1
16.	AF-0708 RH	Capscrew $\frac{7}{16}$ "NF x 1"	4	4	4	4	*	*
17.	AF-0710 RH	Capscrew $\frac{7}{16}$ "NF x $1\frac{1}{4}$ "	14	14	14	14	*	*
18.	AF-0712 RH	Capscrew $\frac{7}{16}$ "NF x $1\frac{1}{2}$ "	4	4	4	4	*	*
19.	AF-0722 RH	Capscrew $\frac{7}{16}$ "NF x 2 $\frac{3}{4}$ "	2	2	2	2	*	*
20.	AF-0810 RH	Capscrew 1/2"NF x 11/4"	6	6	6	6	*	*
21.	KF-0700 PS	Locknut 7/16"NF	24	24	24	24	*	*
22.	KF-0800 PS	Locknut 1/2"NF	6	6	6	6	*	*
23.	KF-1400 PS	Pull Pin Nut 7/8"NF	2	2	.2	2		3
24.	PZ-0700 RS	Flatwasher $\frac{7}{16}$ "	4	4	4	4		1
25.	TZ-0616 PS	Cotterkey ¾"DIA. x 2″	4	4	4	4		1

\* These small parts are usually purchased locally.





www.ntracto<sup>4</sup>rclub.com

#### TANDEM DISC HARROW GANG FRAME

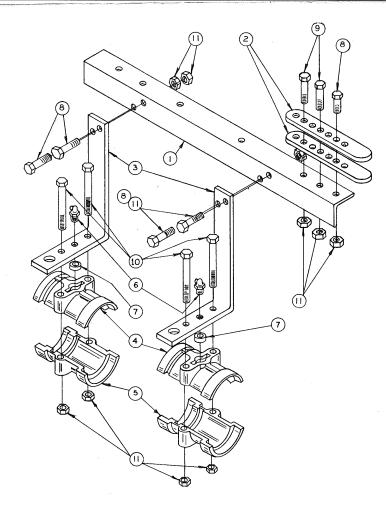
REF.	PART		P	NO. ER H	REQ'D ARRO		SHIPPIN	IG WT
NO.	NO.	DESCRIPTION	5'	7 <b>'</b>	8'	91	LBS.	OZ.
1	D-51180	Front Gang Top Angle (Right)	1				6	12
	D-51130	Front Gang Top Angle (Left)	1				6	12
	D-51175	Front Gang Top Angle (Right)		1			7	12
	D-51125	Front Gang Top Angle (Left)		1			7	12
1	D-51575	Front Gang Top Angle (Right)			1		9	12
	D-51525	Front Gang Top Angle (Left)			1		9	12
	D-51775	Front Gang Top Angle (Right				1	11	12
	D-51725	Front Gang Top Angle (Left)				1	11	12
	D-51155 R	Gang Upright	1	1	1	- 1	9	
2	D-51155 L	Gang Upright	1	1	1	1	9	
	D-51045	Gang Upright	2	2	2	4	4	8
4	D-3652	Chain & "S" Hook	2	2	2	2		12
5	D-4070	Bearing Cap	4	4	4	6	4	8
6	D-4070 L	Bearing Cap-Lower	4	4	4	6	4	8
7	D-3575	Grease Fitting— <sup>1</sup> / <sub>4</sub> "	4	4	4	6		1
8	D-4080	Bearing Washer (Neoprene)	4	4	4	6		1
9	AF-0708 RH	Capscrew $\frac{7}{16}$ "NF x 1"	4	4	4			1
10	AF-0710 RH	Capscrew $\frac{7}{16}$ "NF x $1\frac{1}{4}$ "	4	4	4	12		1
11	AF-0738 RH	Capscrew $\frac{7}{16}$ "NF x 43/4"	8	8	8	12		4
12	KF-0700 PS	Locknut 7/16"NF	16	16	16	24		1

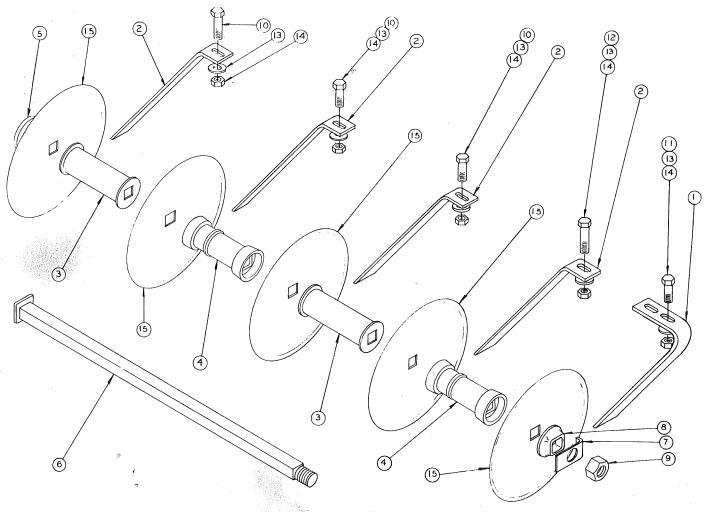
#### FRONT GANG ROTATING PARTS AND SCRAPER ASSEMBLY (Blade Assembly for 7' Harrow Shown )

REF.	PART			NO. PER H	REQ'E		SHIPPIN	IG WT.
NO.	NO.	DESCRIPTION	5'	7′	8'	9'	LB.	oz.
۱	D-51475-R	Scraper (Right)	1	1	1	1	2	
	D-51475-L	Scraper (Left)	1	1	1	1	2	
2	D-51500-R	Scraper (Right)	3	4	5	6	1	8
	D-51500-L	Scraper (Left)	3	4	5	6	1	8
3	D-4352	Spacer Spool	2	4	6	8	2	8
4	D-4030	Bearing Spool	4	4	4	4	5	
5	D-4395	Bumper Washer	2	2	2	2	1	8
6	D-4465	Axle 1½" Sq.	2				9	8
	D-4466	Axle 11/8" Sq.		2			12	
	D-4468	Axle 1½" Sq.			2		14	12
	D-4469	Axle 1½" Sq.				2		
7	D-4797	Nut Lock	2	2	2	2		1
8	D-4798	Nut End Washer	2	2	2	2	ו	8
9	D-1005 NC	Axle Nut 11/8" N.C.	2	2	2	2		8
10	AF-0708 RH	Capscrew $\frac{7}{16}$ " x 1"	6	8	10	12	*	*
11	AF-0710 RH	Capscrew $\frac{7}{16}$ " x 1½"	2	2	2	2	*	*
12	PZ-0700 RS	Flat Washer $\frac{7}{16}''$	8	10	12	14	*	25
13	KF-0700 PS	Locknut 7/16" N. F.	8	10	12	14	*	*
14	D-4612 D	Disc Blade 16" Reg.	8	10	12	14	.6	8
	D-4612 DC	Disc Blade 16" C.O.					5	12
	D-4811 D	Disc Blade 18" Reg.					9	14
	D-4811 DC	Disc Blade 18" C.O.					7	12

\* These small parts are usually purchased locally.

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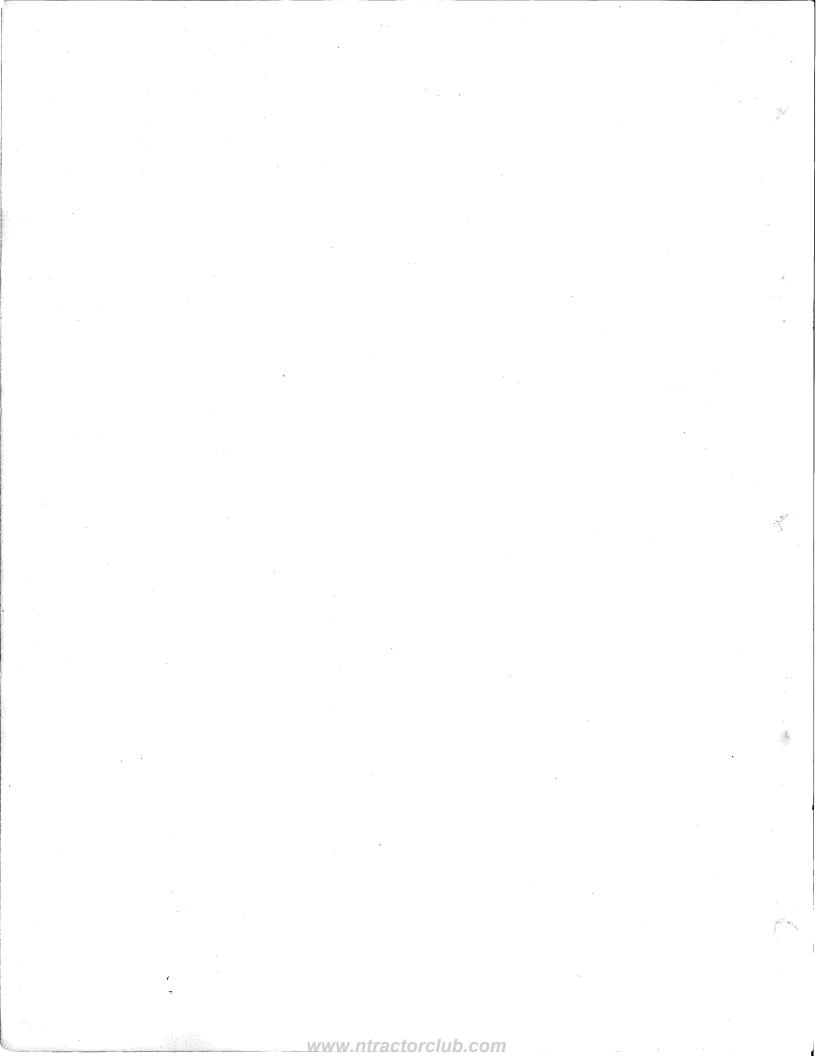
#### TANDEM DISC HARROW GANG FRAME

REF.	PART			NO. PER H	REQ'D ARRO		SHIPPING W	
NO.	NO.	DESCRIPTION	5'	7'	8'	9'	LBS.	OZ.
1	D-51110	Rear Gang Top Angle (Right)	1				6	12
	D-51080	Rear Gang Top Angle (Left)	1				6	12
	D-51100	Rear Gang Top Angle (Right)	1	1			7	12
	D-51075	Rear Gang Top Angle (Left)		1.			7	12
	D-51675	Rear Gang Top Angle (Right)			1		9	12
	D-51625	Rear Gang Top Angle (Left)			1		9	12
	D-51875	Rear Gang Top Angle (Right)				1	11	12
	D-51825	Rear Gang Top Angle (Left)				1	11	12
2	D-51340	Depth Pad	4	4	4	4	1	12
3	D-51045	Gang Upright	4	4	4	4	4	8
4	D-4070	Bearing Cap	4	4	4	4	4	8
5	D-4070 L	Bearing CapLower	4	4	4	4	4	8
6	D-3575	Grease Fitting 1/4"	4	4	4	4		1
7	D-4080	Bearing Washer (Neoprene)	4	4	4	4		1
8	AF-0710 RH	Capscrew $\frac{7}{16}$ " NF x $1\frac{1}{4}$ "	10	10	10	14		1
9	AF-0714 RH	Capscrew $\frac{7}{16}$ " NF x 1 <sup>3</sup> / <sub>4</sub> "	4	4	4	4		2
10	AF-0738 RH	Capscrew $\frac{7}{16}$ " NF x 4 <sup>3</sup> / <sub>4</sub> "	8	8	8	12		4
11	KF-0700 PS	Locknut $\frac{7}{16}$ "NF	22	22	22	30		1

#### REAR GANG ROTATING PARTS AND SCRAPER ASSEMBLY (Blade Assembly for 7' Harrow Shown)

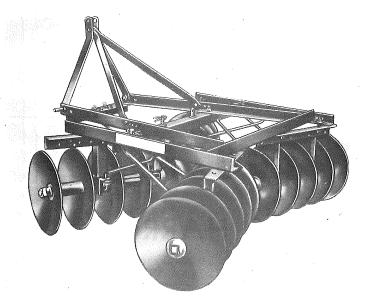
REF.	PART				REQ'E IARRO		SHIPPING WT.		
NO.	NO.	DESCRIPTION	5′	7'	8′	9'	LB.	OZ.	
1	D-51475 R	Scraper (Right)	1	1	I	1	2		
	D-51475 L	Scraper (Left)	1	1	1	1	2		
2	D-51500 R	Scraper (Right)	3	4	5	6	1	8	
	D-51500 L	Scraper (Left)	3	4	5	6			
3	D-4352	Spacer Spool	2	4	6	8	2	8	
4	D-4030	Bearing Spool	4	4	4	4	5		
5	D-51320	Outer End Washer	2	2	2	2	1	4	
6	D-4465	Axle 1½″ Sq.	2				9	8	
	D-4466	Axle 1½″ Sq.		2			12	-	
	D-4468	Axle 1½″ Sq.			2		14	12	
	D-4469	Axle 1½″ Sq.				2	17	4	
7	D-4797	Nut Lock	2	2	2	2			
8	D-4798	Nut End Washer	2	2	2	2	1	8	
9	D-1005 NC	Axle Nut 11/8" N.C.	2	2	2	2		8	
10	AF-0708 RH	Capscrew T is x 1"	4	6	8	10	*	*	
11	AF-0714 RH	Capscrew <u>7</u> 16" x 13/4"	2	· 2	2	2	*	*	
12	AF-0716 RH	Capscrew $\frac{7}{16}$ " x 2"	2	2	2	2	*	*	
13	PZ-0700 RS	Flat Washer 16"	8	10	12	14	*	*	
14	KF-0700 PS	Locknut <sup>7</sup> / <sub>16</sub> " N. F.	8	10	12	14	*	*	
15	D-4612 D	Disc Blade 16" Reg.	8	10	12	14	6	8	
	D-4612 DC	Disc Blade 16" C. O.						-	
	D-4811 D	Disc Blade 18" Reg.							
	D-4811 DC	Disc Blade 18" C.O.							

\* These small parts are usually purchased locally.





## ASSEMBLY AND OPERATING INSTRUCTIONS



#### INTRODUCTION

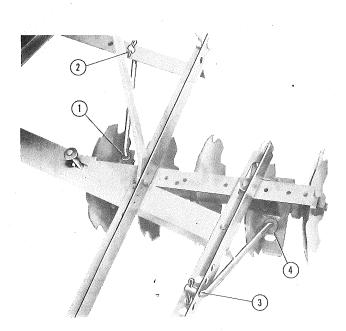
Before starting the assembly of your Lift Tools Lift Disc Harrow it would be an excellent idea to read the instructions over carefully to familiarize yourself with the procedures outlined.

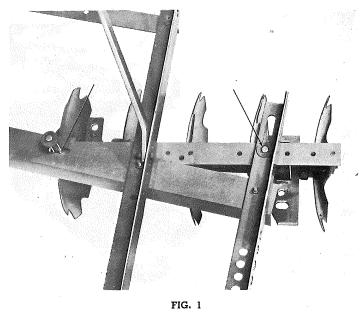
In most cases the Harrow's Main Frame will be shipped with the "A" Frame bolted in place. If the "A" Frame is received not bolted to the Main Frame, save its mounting operation for the last step. (You will note the photos show the "A" Frame mounted in its 1st assembly operation, disregard this and follow the procedures outlined.)

Your Lift Disc Harrow will be shipped in 6 pieces, 4-gangs, Main Frame, Bundle of Rods with Cotterkeys, and "A" Frame attached or not attached to the Main Frame. Spread out the Disc Gangs in the relative position they will go beneath the Main Frame.

#### 1st Step

Remove Bolts, Washers and Spacers from the Top Angle of the Right Front Gang. Place Gang beneath Main Frame as shown in Fig.1, replace Bolts, Washers and Spacers in same holes after passing through the slotted holes of the Main Frame. Tighten Bolts.

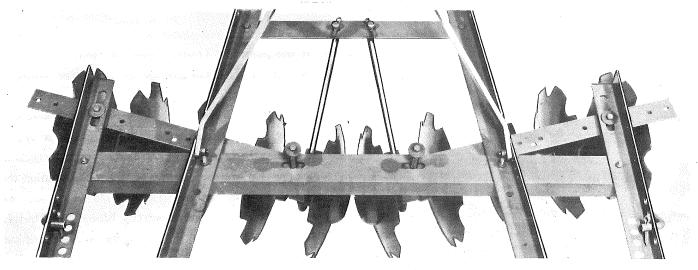




#### 2nd Step

Take one of the short rods which is called a Pull Rod and place in holes at points (1) and (2) in Fig. 2. Be sure the end with the small welded washer goes to point (1). Place Cotterkeys in holes provided. Now take the Right Push Rod (which is longer) and place in holes (3) and (4). Cotterkey these holes also. In setting up the Harrow don't bend over the Cotterkeys until the complete assembly is made, at that time any desired cutting set can be made.

FIG. 2



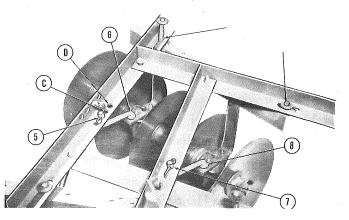
#### 3rd Step

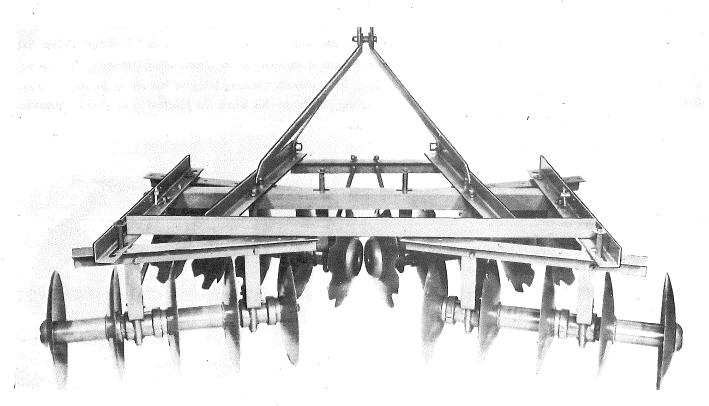
FIG. 3

Complete the same steps outlined in Step (1) and (2) to the left side of the Harrow as shown in Fig. 3.

#### 4th Step

After removing the Bolts, Washers and Spacers from the Right Rear Gang Top Angle, place beneath the Main Frame as shown in Fig. 4, replace Bolts, Washers and Spacers in same holes after passing through the slotted holes of the Main Frame. Tighten Bolts. Place Pull Rods in holes at points (5) (6) (7) and (8). (The end with the small welded washer always goes in the Bearing Upright Holes.) Insert Cotterkeys.

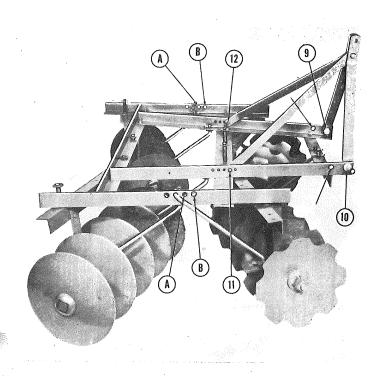




#### 5th Step

FIG. 5

Follow the same procedure outlined in Step 4 to the Left Rear Gang Assembly as shown in Fig. 5. This completes the mounting of the Gangs.



#### FIG. 6

#### Adjusting the Harrow

#### 6th Step

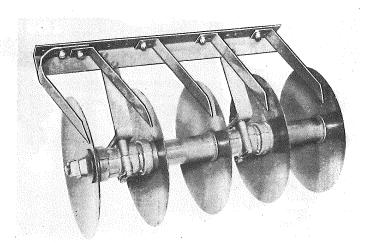
At this point the Tractor should be placed in front of the Harrow. This will give the operator a true setting of the "A" Frame, Fig. 6. You will note there are two sets of large holes in the front end of the Main Frame Lift Angles, the Pull Pins should be placed in the holes that will place the Harrow as close to the Tractor wheels as possible. (When the Harrow is in a raised position the clearance from the rear tires should be about two inches for correct draft control.) Mount the Upright Bars of the "A" Frame in back of the holes selected and mount with the Pull Pins at points (9) and (10). Bolt the "A" Frame Rear Braces to the Main Frame Lift Angles at points (11) and (12). If the Pull Pin Rear Holes are used on the Main Frame Lift Angles select the holes behind points (11) and (12).

The Harrow as shown in Fig. 6 was set up in a medium Cutting Position. To increase the Cutting Angle of the Front Gangs advance the Push Rods to one of the other positions at Point (A) or (B) as shown in Fig. 6. To increase the Cutting Angle to the Rear Gangs advance the Pull Rods as shown in Fig. 4 to positions (C) or (D). After the desired cutting adjustment has been made, secure all Cotterkeys and tighten all Bolts.

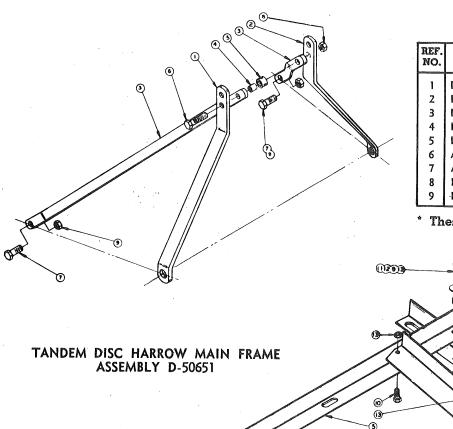
The Lift Tanden Disc Harrow will do a perfect job of discing if properly set up and adjusted. The Harrow must be adjusted to each Tractor on which the Harrow is to be used. After the assembly is completed place Harrow and Tractor on a level area, lower the Harrow so that all blades of the Front Gang set squarely on a full one-inch thick board. Adjust the Centerlink so that the Rear Gangs are touching the ground, this will give even penetration to all Gangs. When the Rear Gangs are lifted by shortening the Centerlink, more weight is thrown on the Front Gangs, making them penetrate deeper into tough sod or hard ground. When adjusting for a smooth finishing job give less set to the Rear Gangs. Before placing the Harrow in operation grease well at all bearing points, do this when the Harrow is in a raised position. Check all Bolts for tightness, especially the large Axle-End Nuts.

#### Mounting the Scrapers

Disc Gangs are not shipped with Scrapers mounted even when requested with order. The Scrapers and Bolts will be shipped in a complete bundle. It is a simple matter to mount the Scrapers to the Disc Gang Top Angles as shown in Fig. 7. The rounded formed Scrapers are for the outside blades.



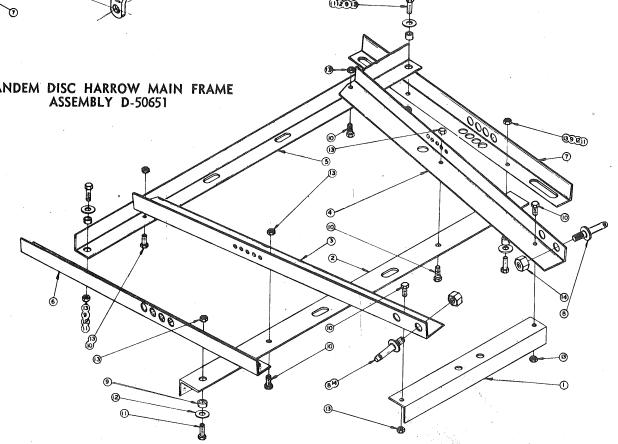
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#### TANDEM DISC HARROW "A" FRAME ASSEMBLY D-50753

REF. NO.	PART NO.	DESCRIPTION	NO. REQ		NG WT OZ.
1	D-50560R	"A" Frame Upright (Right)	1	5	4
2	D-50560L	"A" Frame Upright (Left)	1	5	4
3	D-50535	"A" Frame Rear Brace	2	7	8
4	D-2058	Spacer 5⁄8″ x 7⁄8″	1		1
5		Spacer 7⁄8″ x 7⁄8″	1		2
6		Capscrew 5⁄8″ x 31⁄4″	1	*	*
7		Capscrew 7/8 " x 11/2"	2	*	*
8		Locknut 5%" N.F.	1	*	*
9	KF-0700PS	Locknut 18" N.F.	2	*	*

\* These small parts are usually purchased locally.



REF. NO.	PART NO.	DESCRIPTION	NO. REQD		NG WT OZ.	140
1	D-50725	Front Brace Angle	1	8	4	
2	D-60100	Front Frame Angle	1	24	6	ļ
3	D-60110R	Lift Angle (Right)	1	.14	11	
4	D-60110L	Lift Angle (Left)	T	14	.11.	
5	D-60105	Rear Frame Angle	1	19	4	
6	D-60115R	Side Angle (Right)	1	12	8	
7	D-60115L	Side Angle (Left)	1	12	8	
8	D-1975	Pull Pin	2	1		
9	D-2366	Spacer $\frac{1}{16}$ x $\frac{7}{16}$ "	4		1	
10	AF-0708 RH	Capscrew 7 " x 1"	6	*	aja	
11	AF-0712 RH	Capscrew 7 " x 11/2"	4	*	*	
12	PZ-0700 RS	Washer 76" x 11/8"	4			
13	KF-0700 PS	Locknut 7 N.F.	10	*	*	
14	KF-1400 PS	Pull Pin Nut 1/8" N.F.	2		2	

\* These small parts are usually purchased locally. 5

IANDEM	DISC	HARRO	W GANG	FRAME
	(For 5'	6'8'	Harrows	

REF. NO.	PART NO.	DESCRIPTION		D. REC	-	SHIPPI	NG WT
			5'	6'	8'	LBS.	OZ.
1	D-51110	Rear Gang Top Angle (Right)	1			7	12
	D-51080	Rear Gang Top Angle (Left)	1			7	12
	D-51100	Rear Gang Top Angle (Right)		1		7	12
	D-51075	Rear Gang Top Angle (Left)		1		7	12
	D-51675	Rear Gang Top Angle (Right)			1	9	12
	D-51625	Rear Gang Top Angle (Left)			1	9	12
2	D-51045	Gang Upright	4	4	4	4	8
3	D-4070	Bearing Cap	4	4	4	4	8
4	D-4070L	Bearing Cap—Lower	4	4	4	4	8
5	D-3575	Grease Fitting 1/4"	4	4	4		1
6	D-4080	Bearing Washer (Neoprene)	4	4	4		1
7	D-2346	Spacer $\frac{7}{16}$ x $\frac{7}{8}$	2	2	2		. 1
8	D-3976	Spacer $\frac{7}{16}$ x $3\frac{5}{16}$	2	2	2		Э
9	PZ-0700RS	Washer 15/32" I.D. x 13/4" O.D.	4	4	4		. 1
10	AF-0710RH	Capscrew $\frac{7}{16}$ "-20 x $1\frac{1}{4}$ "	8	8	8	*	*
11	AF-0714RH	Capscrew $\frac{7}{16}$ "-20 x 13/4"	2	2	2	*	*
12	AF-0734RH	Capscrew $\frac{7}{16}$ "-20 x 4 <sup>1</sup> / <sub>4</sub> "	2	2	2	*	*
13	AF-0738RH	Capscrew $\frac{7}{16}$ "-20 x $4\frac{3}{4}$ "	8	8	8	*	*
14	KF-0700PS	Locknut 7"-20 Plated	20	20	20	*	*

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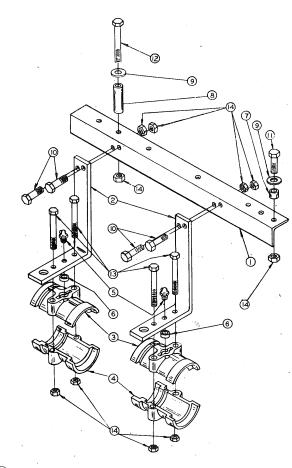
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\* These small parts are usually purchased locally.



**RIGHT REAR SHOWN** 

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#### TANDEM DISC HARROW GANG ROTATING PARTS (Blade Assembly for 6' Harrow Shown)

REF. NO.	PART NO.	DESCRIPTION		PER HARROW		-		SHIPPIN	IG WT.
			5'	6'	8'	LBS.	OZ.		
1	D-51320	Outer End Washer	2	2	2	ĩ	4		
2	D-4352	Spacer Spool	2	4	6	2	8		
<b>3</b>	D-4030	Bearing Spool	4	4	4	5			
4	D-4798	Nut End Washer	2	2	2	1	8		
5	D-4797	Nut Lock	2	2	2		1		
6	NC 1800PS	Axle Nut 11/8" NC	2	2	2		8		
7	D-4465	Axle 11/8" Sq.	2			9	8		
	D-4466	Axle 11/8" Sq.		2		12			
	D-4468	Axle 1½" Sq.			2.	14	12		
8	D-4612D	Disc Blade 16" Reg.	8	10	12	6	-8		
	D-4612DC	Disc Blade 16" C.O.				5	12		
	D-4811D	Disc Blade 18" Reg.		1.1		9	14		
	D-4811DC	Disc Blade 18" C.O.				7	12		

These small parts are usually purchased locally.

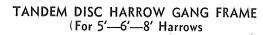
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When complete Gang Frame and Rotating Parts are needed use the following assembly numbers:

	5'	6'	8'
Right Front Gang	D-61820	D-61852	D-61880
Left Front Gang	D-61800	D-61840	<b>D</b> -61860
Rìght Rear Gang	D-61920	D-61952	D-61980
Left Rear Gang	D-61900	D-61940	D-61960

Specify blade size when ordering.



REF. NO.	PART NO.	DESCRIPTION		O. REG	-	SHIPPI	NG WT.
			5'	6'	8'	LBS.	OZ.
1	D-51175	Front Gang Top Angle (Front)	1	1	-	7	12
	D-51125	Front Gang Top Angle (Left)	1	1		7	12
	D-51575	Front Gang Top Angle (Right)			1	9	12
	D-51525	Front Gang Top Angle (Left)			1	9	12
2	D-51045	Gang Upright	2	2	2	4	8
3	D-51155R	Gang Upright (Right)	1	1	1	4.	8
	D-51155L	Gang Upright (Left)	1	1	1	4	8
4	D-4070	Bearing Cap	4	4	4	4	8
5	D-4070L	Bearing Cap—Lower	4	4	4	4	8
6	D-3575	Grease Fitting 1/4"	4	4	4		1
7	D-4080	Bearing Washer (Neoprene)	4	4	4		1
8	D-2346	Spacer <u>7</u> x 7/8"	2	2	2		1
9	D-3976	Spacer $\frac{7}{16}$ x $3\frac{5}{16}$	2	2	2		3
10	PZ-0700RS	Washer 15/32" I.D. x 13/4" O.D.	4	4	4		1
11	AF-0710RH	Capscrew $\frac{7}{16}$ "-20 x $1\frac{1}{4}$ "	8	8	8	*	*
12	AF-0714RH	Capscrew $\frac{7}{16}$ "-20 x $1\frac{3}{4}$ "	2	2	2	*	*
13	AF-0734RH	Capscrew $\frac{7}{16}$ "-20 x 4 <sup>1</sup> / <sub>4</sub> "	2	2	2	*	*
14	AF-0738RH	Capscrew $\frac{7}{16}$ "-20 x $4\frac{3}{4}$ "	8	8	8	*	*
15	KF-0700PS	Locknut $\frac{7}{16}$ "-20 Plated	20	20	20	*	*

\* These small parts are usually purchased locally.

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#### TANDEM DISC HARROW GANG ROTATING PARTS (Blade Assembly for 6' Harrow Shown)

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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D. PER HARROW		DESCRIPTION PER HARROW 5		1	NG WT.	
			5'	6'	8′	LŔS.	OZ.		
1	D-4395	Bumper Washer	2	2	2	1	8		
2	D-4352	Spacer Spool	2	4	6	2	8		
3	D-4030	Bearing Spool	4.	4	4	5			
4	D-4798	Nut® End Washer	2	2	2	1	8		
5	D-4797	Nut Lock	2	2	2		1		
6	NC 1 800PS	Axle Nut 11/8" NC	2	2	2		8		
7	D-4466	Axle 11/8" Sq.	2	2		12	, in the second s		
	D-4468	Axle 1½" Sq.			2	14	12		
8	D-4612D	Disc Blade 16" Reg.	8	10	12	6	8		
	D-4612DC	Disc Blade 16" C.O.		,		5	12		
	D-4811D	Disc Blade 18" Reg.				9	14		
	D-4811DC	Disc Blade 18" C.O.				7	12		
1		4					12		

\* These small parts are usually purchased locally.

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#### TANDEM DISC HARROW PULL AND PUSH ROD ASSEMBLY

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REF. NO.	PART NO.	DESCRIPTION	PER HARROW			SHIPPING WI		
			5'	6'	8'	LBS.	OZ.	
1	D-61654	Pull Rod	6	6	6	2	4	
2	D-61655R	Push Rod	1	1	1	2	14	
3	D-61655L	Push Rod	1	1	1	2	14	
4	TZ-0616PS	Cotter Pin 3/8" x 2"	16	16.	16	3% 26	*	
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\* These small parts are usually purchased locally.

TANDEM DISC HARROW SCRAPER ASSEMBLY

REF. NO.		DESCRIPTION	PER HARROW			SHIPPING W	
			5'	6'	8'	LBS.	OZ.
1.	D-51475 R	Scraper (Right)	2	2	2	2	
2	D-51475 L	Scraper (Left)	2	2	2	2	
3	D-51500 R	Scraper (Right)	6	8	10	1	8
4	D-51500 L	Scraper (Left)	6	8	10	1 -	8
ં 5	AF-0710 RH	Capscrew $\frac{7}{16}$ "NF x $1\frac{1}{4}$ "	12	16	20	*	*
6	AF-0712 RH	Capscrew $\frac{7}{16}$ "NF x 1½"	4	4	4	*	*
7	KF-0700 PS	Locknut 76"NF	16	20	24	*	*
8	PZ-0700 RS	Flat Washer $\frac{7}{16}$ "	16	20	24 ·	*	*.

\* These small parts are usually purchased locally.