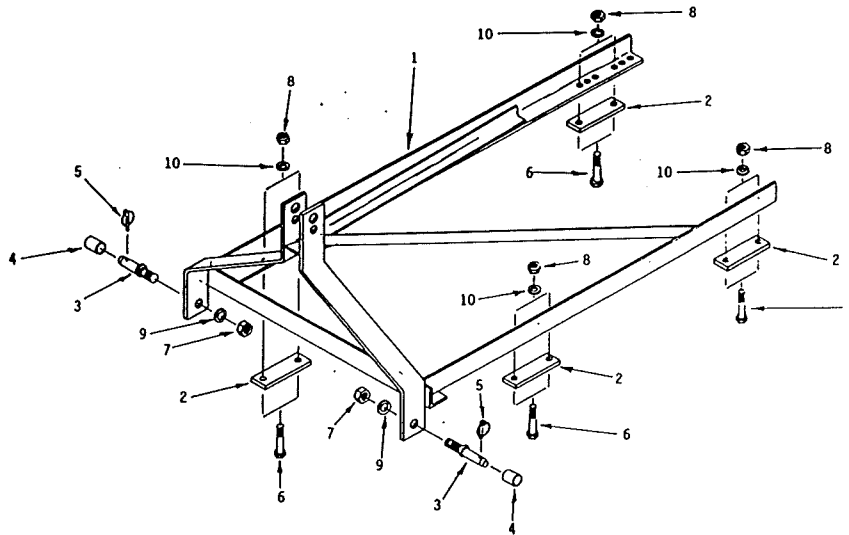


Ezee-On

Parts Books Discontinued Disc Models:

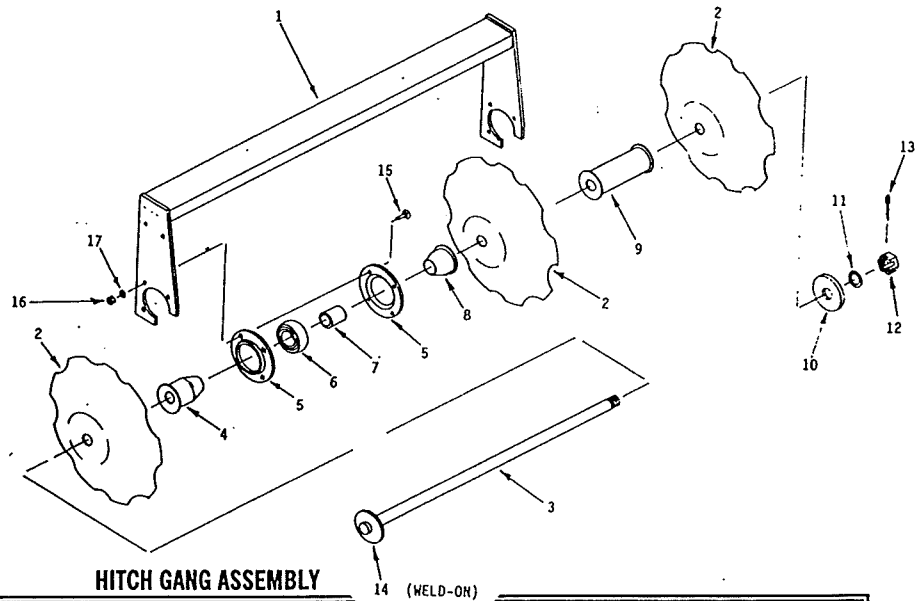
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MODEL 150 3 POINT HITCH DISC



MAIN FRAME

Ref. No.	Part No.	Description	Qty. Req'd
1	420012501	Main Frame Assembly	1
2	420012510	Gang Beam Clamp Plate	4
3	420012515	Three Point Hitch Pin - 7/8\" N.F.	2
4	420012516	Three Point Hitch Pin Bushing	2
5	420012517	Three Point Hitch Pin Locking Pin	2
6		5/8\" x 3-1/2\" N.C. Hex Bolts	8
7		7/8\" N.F. Hex Nut	2
8		5/8\" N.C. Hex Nut	8
9		7/8\" Lockwasher	2
10		5/8\" Lockwasher	8

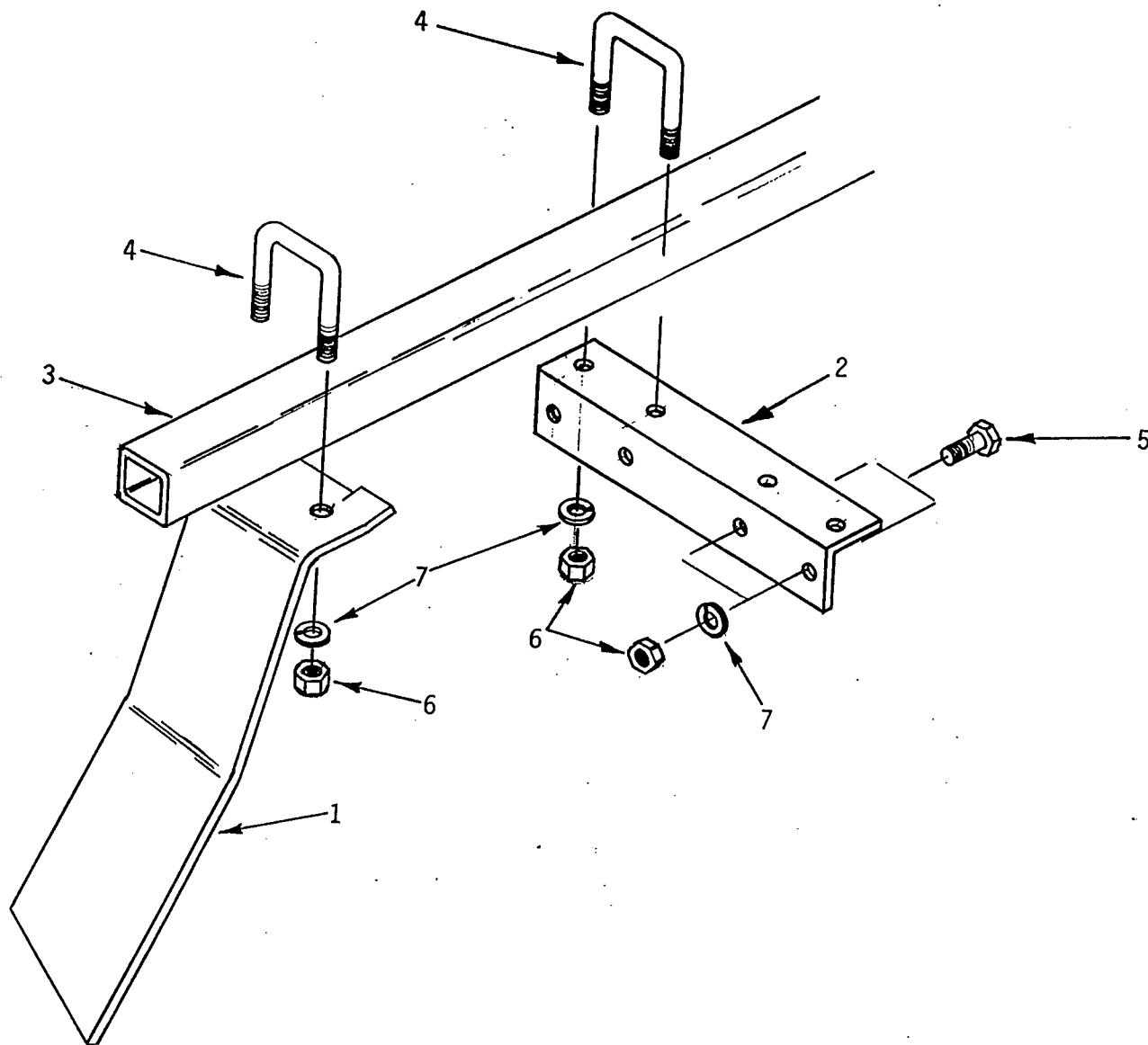


HITCH GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	420012590	Front Gang Beam Assembly	1
2	420012591	Rear Gang Beam Assembly	1
3	42000G196	18\" x 3 mm (.120) Notched Blades	*
4	420012610	8 Blade Gang Bolt (1-1/4\" H.R.R. x 60-1/2\")	*
5	420012611	10 Blade Gang Bolt (1-1/4\" H.R.R. x 76\")	*
6	420012601	8\" Spacing Long 1/2\" Spool - 4-3/8\" Long	*
7	42000DG93	210 Flangette For 210 Bearing	8
8	42000DG90	210 Series Bearing	4
9	420012620	1-15/16\" O.D. x 1-5/16\" I.D. x 2\" Long Sleeve	4
10	420012602	8\" Spacing Short 1/2\" Spool - 2-1/2\" Long	*
11	420012600	8\" Spacing Full Spool	*
12	420012621	1/2\" x 4\" O.D. Head Washer	*
13	420012622	1/4\" x 2\" O.D. x 1-15/16\" I.D. Spacer Washer	*
14		1-1/4\" Slotted Nut (N.C. Hex)	2
15		5/16\" x 2\" Cotter Pin	2
16	420012623	Weld-On Washer	2
17		1/2\" x 1-1/2\" Carriage Bolt	*
		1/2\" N.C. Hex Nut	*
		1/2\" Lockwasher	*

* As Required

MODEL 150 3 POINT HITCH DISC

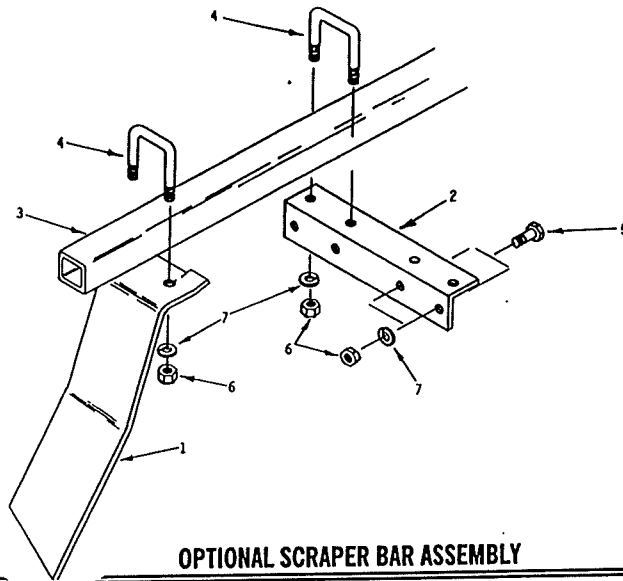


OPTIONAL SCRAPER BAR ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper	*
	DG6084	R.H. Scraper	*
2	420012589	Scraper Bar Support	4
3	DS66	Scraper Bar - 66" Front & Rear - 8 Blade Gang	*
	DS82	Scraper Bar - 82" Front & Rear - 10 Blade Gang	*
4	DG5308	1/2" x 2" U-Bolt	*
5		1/2" x 1-1/4" N.C. Hex Bolt	8
6		1/2" N.C. Hex Nut	*
7		1/2" Lockwasher	*

* As Required

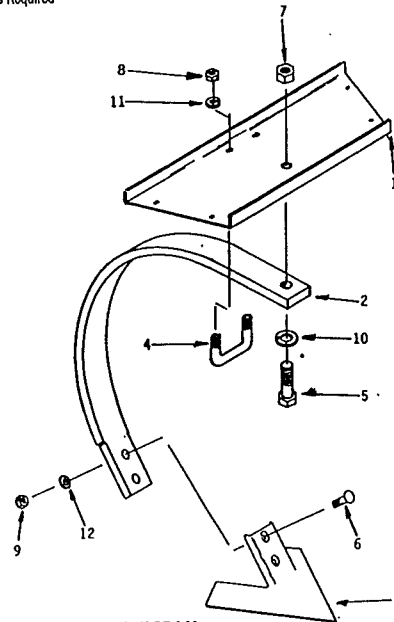
MODEL 160 3 POINT HITCH TANDEM DISC



OPTIONAL SCRAPER BAR ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper	*
	DG6084	R.H. Scraper	*
2	420012589	Scraper Bar Support	8
3	DS25	Scraper Bar 25" - 4 Blade Rear Gang	*
	DS33	Scraper Bar 33" - 4 Blade Front Gang, 5 Blade Rear Gang	*
	DS41	Scraper Bar 41" - 5 Blade Front Gang, 6 Blade Rear Gang	*
	DS50	Scraper Bar 50" - 6 Blade Front Gang	*
4	DG5308	1/2" x 2" U-Bolt	16
5		1/2" x 1-1/4" N.C. Hex Bolt	*
6		1/2" N.C. Hex Nut	*
7		1/2" Lockwasher	*

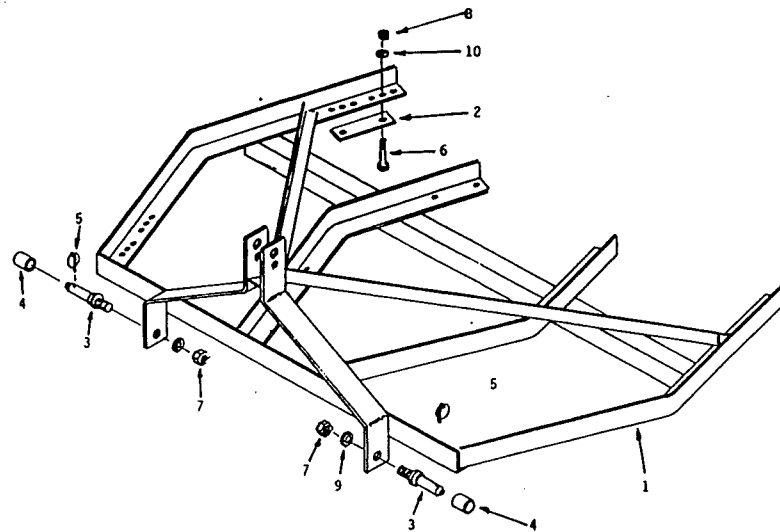
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OPTIONAL CENTER TOOTH ASSEMBLY

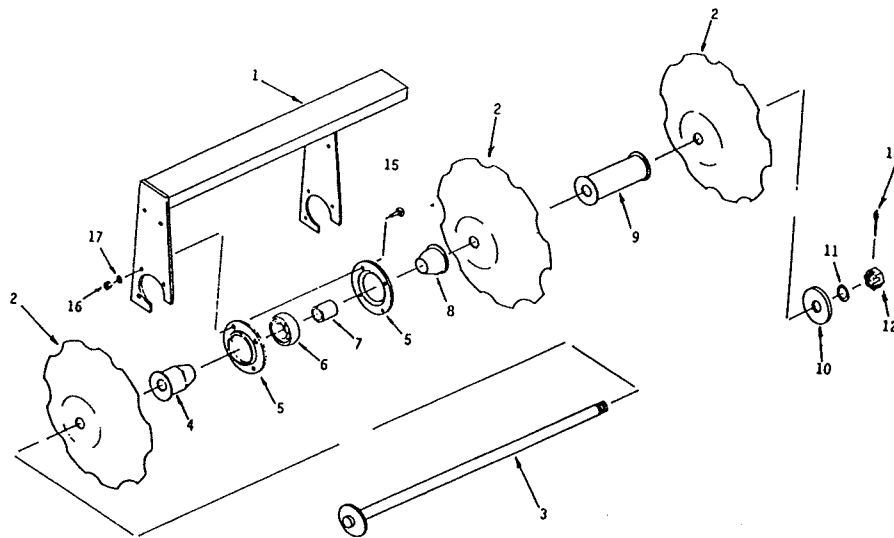
Ref. No.	Part No.	Description	Qty. Req'd
1	420012780	Center Tooth Support Plate	1
2	420012781	3/4" Shank	1
3	420012782	Shovel	1
4	CS50733	1/2" x 2" x 2-5/8" Long Plated U-Bolt	1
5		3/4" x 2-1/4" N.C. Hex Bolt	1
6		7/16" x 1-3/4" Plow Bolt	2
7		3/4" N.C. Hex Nut	1
8		1/2" N.C. Hex Nut	2
9		7/16" N.C. Hex Nut	2
10		3/4" Lockwasher	1
11		1/2" Lockwasher	2
12		7/16" Lockwasher	2

MODEL 160 3 POINT HITCH TANDEM DISC



MAIN FRAME

Ref. No.	Part No.	Description	Qty. Req'd
1	420012751	Main Frame Assembly	1
2	420012510	Gang Beam Clamp Plate	8
3	420012515	Three Point Hitch Pin - 7/8" N.F.	2
4	420012516	Three Point Hitch Pin Bushing	2
5	420012517	Three Point Hitch Pin Locking Pin	2
6		5/8" x 3-1/2" N.C. Hex Bolts	2
7		7/8" N.F. Hex Nut	16
8		5/8" N.C. Hex Nut	2
9		7/8" Lockwasher	16
10		5/8" Lockwasher	2
			16



HITCH GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	420012765	16B Rear Gang Beam Assembly R.H. Side (34" Long)	*
	420012766	16B Rear Gang Beam Assembly L.H. Side (34" Long)	*
	420012767	16B & 20B Front Gang Beam Assembly R.H. Side (27" Long)	*
	420012768	16B & 20B Front Gang Beam Assembly L.H. Side (27" Long)	*
	420012769	20B Rear Gang Beam Assembly R.H. Side (33" Long)	*
	420012770	20B Rear Gang Beam Assembly L.H. Side (33" Long)	*
	420012771	24B Rear & Front Gang Beam Assembly L.H. & R.H. (41" Long)	*
	420012772	24B Rear & Front Gang Beam Assembly L.H. & R.H. (41" Long)	*
2	42000G196	18" x 3 mm (.120) Notched Blades	*
3	420012606	4 Blade Gang Bolt (1-1/4" H.R.R. x 27-1/4")	*
	420012612	4 Blade Gang Bolt - For Outboard Bearing (1-1/4" H.R.R. x 32")	*
	420012607	5 Blade Gang Bolt - (1-1/4" H.R.R. x 36")	*
	420012608	6 Blade Gang Bolt - (1-1/4" H.R.R. x 44")	*
4	420012601	8" Spacing Long 1/2" Spool - 4-3/8" Long	*

Ref. No.	Part No.	Description	Qty. Req'd
5	42000G93	210 Flangette for 210 Bearing	16
6	42000G90	210 Series Bearing	8
7		1-15/16" O.D. x 1-15/16" I.D. x 2" Long Sleeve	8
8	420012602	8" Spacing Short 1/2" Spool - 2-1/2" Long	*
9	420012600	8" Spacing - Full Spool	*
10	420012621	1/2" x 4" O.D. Head Washer	4
11	420012622	1/4" x 2" O.D. x 1-5/16" I.D. Spacer Washer	*
12		1-1/4" N.C. Slotted Nut	4
13		5/16" x 2" Cotter Pin	4
14	420012623	Weld-On Washer	4
15		1/2" x 1-1/2" Carriage Bolt	32
16		1/2" N.C. Hex Nut	32
17		1/2" Lockwasher	32

* As Required

MODEL 290 DISC

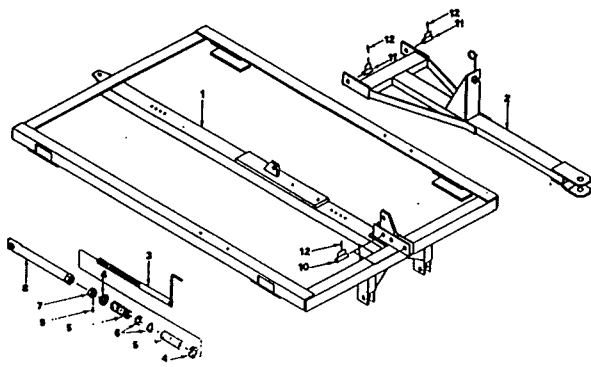
PAINT & DECALS

Part No.	Description	Qty. Req'd
L001	Yellow Paint - 1 Quart Can	*
L002	Yellow Paint - ½ Pint Can	1
DF9510	Caution Decal	1
DF10050	Red Reflector	4
DF10057	Yellow Reflector	4
L010	Ezee-On Decal	2

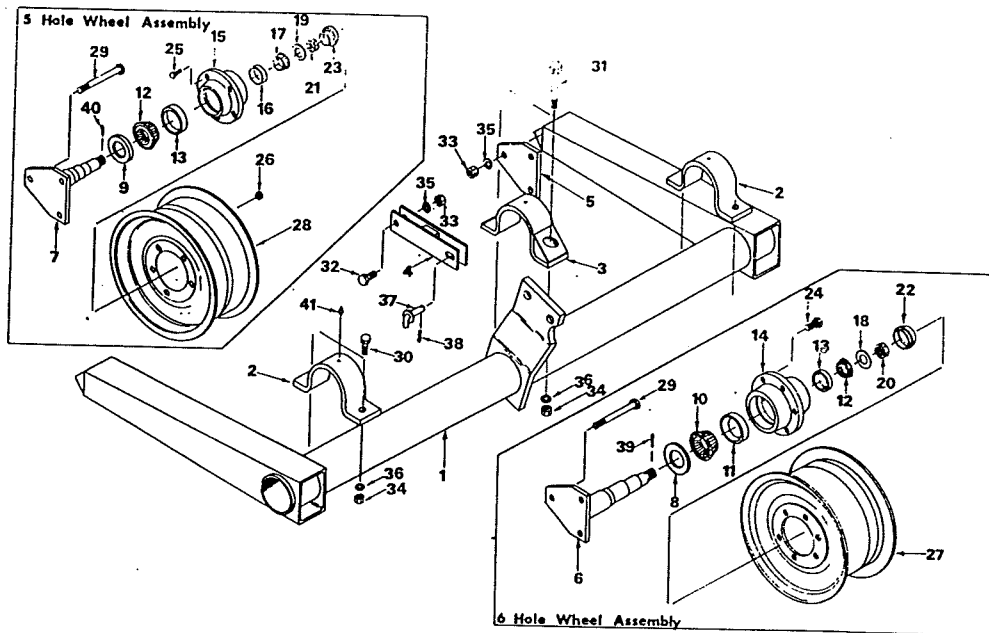
* As Required

MODEL 290 DISC

FRAME, HITCH & LEVELLING CRANK



Ref. No.	Part No.	Description	Qty. Req'd
1	DFB6250	Main Frame c/w Two (2) Hitch Pins and Cylinder Lugs	
2	DHA6291	Hitch	1
3	DHA6310	Levelling Crank	1
4	DHA6313	Levelling Crank Spring U-Cups	1
5	DH1	Compression Spring - Levelling Crank	2
6	DC15	Timken Thrust Bearing #T199	2
7	DH6325	1-1/2" N.C. Heavy Hex Nut - Drilled For Set Screw	1
8	DHA6316	Levelling Link	1
9		1/2" x 1" N.C. Square Head Set Screw	1
10		1" Dia. Cylinder Lug Pin	2
11	DH6326	1" Dia. Hitch Pin	2
12		1/4" x 1-1/2" Cotter Pin	8



ROCKSHAFT & WHEEL

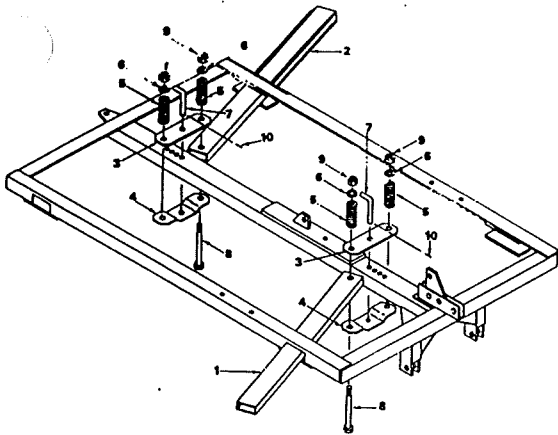
Ref. No.	Part No.	Description	Qty. Req'd
1	DRA6341	Rockshaft	1
2	DF41	Outside Bearing	2
3	DFA40	Center Bearing	1
4	DRA6350	Lock-Up Strap	1
5	DR76	Axle Backing Plate	2
6	DRA8	Axle Assembly	*
7	DRA2	Axle Assembly	*
8	DR122	Grease Seal	*
9	DR85	Grease Seal	*
10	DR120	Cone Bearing #LM25580	*
11	DR118	Cup #LM25520	*
12	DR91	Cone Bearing #LM48548	*
13	DR92	Cup #LM48510	*
14	DRA9	Hub c/w Cups	*
15	DRA3	Hub c/w Cups	*
16	DR90	Cup #LM67010	*
17	DR89	Cone Bearing #LM67048	*
18		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
19		1-3/4" O.D. x 15/16" I.D. x 1/8" Flatwasher	*
20	DR110	1" N.F. Slotted Hex Nut	*
21	DR83	7/8" N.F. Slotted Hex Nut	*

Ref. No.	Part No.	Description	Qty. Req'd
22	DR123	Hub Cap	*
23	DR88	Hub Cap	*
24	DR125	Wheel Studs	*
25	DR87	Wheel Bolts	*
26	DR86	Tapered Wheel Nut - 1/2" N.F.	*
27	DR127	15" x 8" 6 Hole Rim (uses 9.5L x 15 or 11L x 15 tires)	*
28	DR93	15" x 6" 5 Hole Rim (uses 7.60 x 15 tire)	*
29		5/8" x 6" N.C. Hex Bolt	6
30		3/4" x 2" N.C. Hex Bolt	4
31		3/4" x 5-1/2" N.C. Hex Bolt	2
32		5/8" x 2-1/4" N.C. Hex Bolt	1
33		5/8" N.C. Hex Nut	7
34		3/4" N.C. Hex Nut	6
35		5/8" Lockwasher	7
36		3/4" Lockwasher	6
37	DFA6285	Cylinder & Lock-Up Pin	1
38	DW25	Hair Pin	1
39		3/16" x 1-1/4" Cotter Pin	*
40		3/16" x 1" Cotter Pin	*
41	10GN1	1/4" - 28 Grease Fitting	3

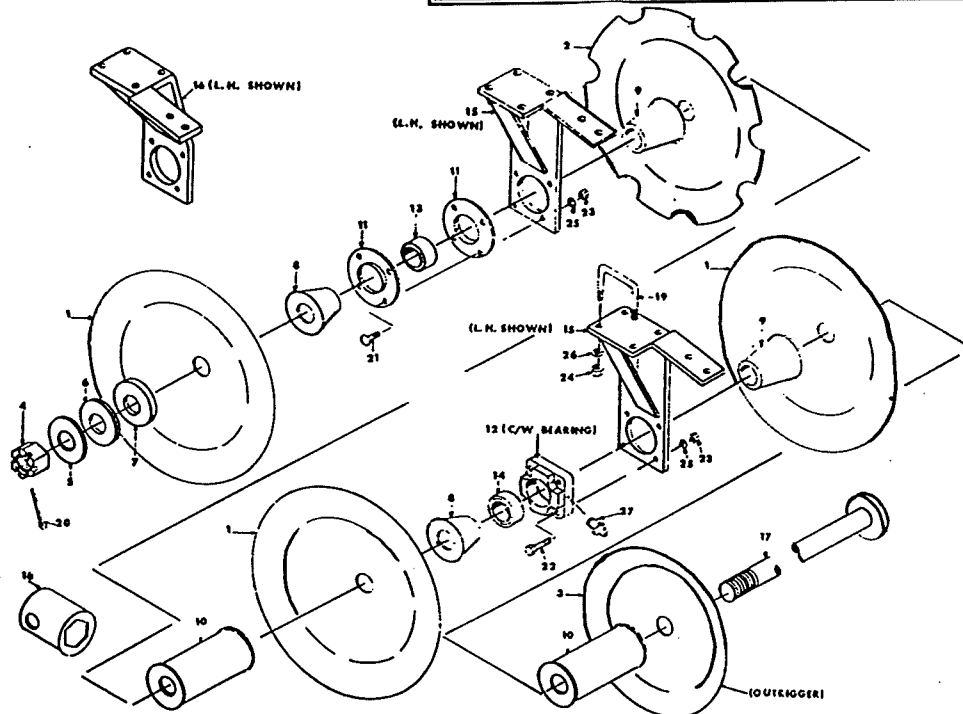
* As Required

MODEL 290 DISC

GANG BEAM



Ref. No.	Part No.	Description	Qty. Req'd
1	DBS2-36-1	36" Gang Beam - 22 Blade Disc	2
	DBS2-48-1	48" Gang Beam - 26 Blade Disc	2
	DBS2-54-1	54" Gang Beam - 30 Blade Disc	2
	DBS2-42-1	42" Gang Beam - 22 Blade Disc	2
	DBS2-48-1	48" Gang Beam - 26 Blade Disc	2
2	DBS2-48-1	48" Gang Beam - 26 Blade Disc	2
	DBS2-60-1	60" Gang Beam - 26 Blade Disc	2
	DBS2-66-1	66" Gang Beam - 30 Blade Disc	2
3	DBS-54-1	54" Gang Beam - 22 Blade Disc	2
	DBS-60-1	60" Gang Beam - 26 Blade Disc	2
	DBS-66-1	66" Gang Beam - 30 Blade Disc	2
4	DF6280	Gang Beam Mount Plate - Top	2
5	DF6283	Gang Beam Mount Plate - Bottom	2
6	DF22	Compression Spring	4
7	DF49	2" O.D. x 1-1/32" I.D. x 3/16" Washer	4
8	DF37	Pin - Gang Adjustment	2
9		1" x 9-1/2" N.C. Hex Bolt	4
10		1" N.C. Hex Nut	4
		3/16" x 1-1/4" Cotter Pin	2



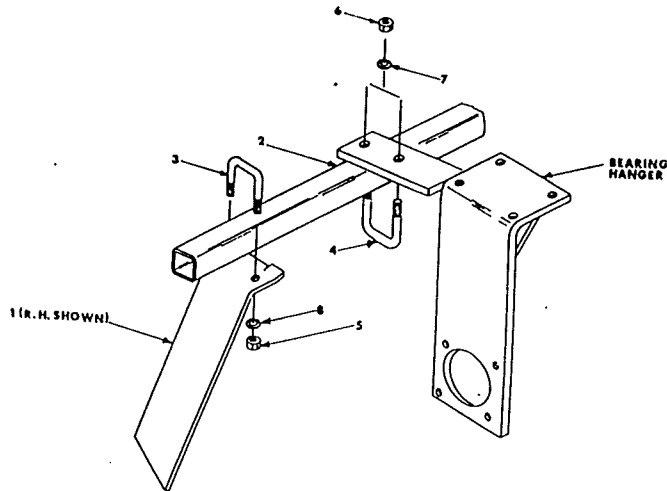
DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG134	20" x 5 mm (.197) Plain Disc Blade	*
	DG149	20" x 6 mm (.236) Plain Disc Blade	*
	DG62	22" x 5 mm (.197) Plain Disc Blade	*
2	DG64	22" x 6 mm (.275) Plain Disc Blade	*
	DG60	22" x 7 mm (.275) Plain Disc Blade	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*
3	DG76	24" x 7 mm (.275) Plain Disc Blade	*
	DG150	20" x 6 mm (.236) Notched Disc Blade	*
	DG63	20" x 5 mm (.197) Notched Disc Blade	*
4	DG65	22" x 6 mm (.236) Notched Disc Blade	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*
	DG69	24" x 6 mm (.236) Notched Disc Blade	*
5	DG79	24" x 7 mm (.275) Notched Disc Blade	*
	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*
6	DG134	20" x 5 mm (.197) Plain Outrigger Blade	*
	DG82	2" N.C. Heavy Slotted Hex Nut	*
	DG89	1/4" Shim Washer	*
7	DG88	1/2" Shim Washer	*
	DG78	5" O.D. x 2" I.D. x 5/8" Headwasher	*
	DGA108	8" Spacing Short Half Spool - 2-3/8" Long	*
8	DGA97	9" Spacing Short Half Spool - 3-1/4" Long	*
	DGA102	8" & 9" Spacing Long Half Spool - 4-7/16" Long	*
	DGA113	8" Spacing Full Spool	*
9	DGA98	9" Spacing Full Spool	*
	DG93	Heavy Duty Flange for 210 Series Bearing	*

Ref. No.	Part No.	Description	Qty. Req'd
12	DGB5334	211 Housing c/w Bearing and Grease Fitting	*
13	DG90	210 Series Sealed Bearing	*
14	DG95	211 Series Greaseable Bearing	*
15	DGA6089	L.H. Straight Bearing Hanger - 5/8" x 6" x 16-3/8" Long	*
16	DGA6090	R.H. Straight Bearing Hanger - 5/8" x 6" x 16-3/8" Long	*
	DGA6091	L.H. Offset Bearing Hanger - 5/8" x 6" x 16-3/8" Long	*
	DGA6092	R.H. Offset Bearing Hanger - 5/8" x 6" x 16-3/8" Long	*
17	DGA85	5 Blade Gang Bolt - 38-1/4" Long	*
	DGA86	6 Blade Gang Bolt - 46-1/2" Long	*
	DGA87	7 Blade Gang Bolt - 55" Long	*
18	DGA88	8 Blade Gang Bolt - 63-1/2" Long	*
	DGA65	5 Blade Gang Bolt - 42-1/4" Long	*
	DGA66	6 Blade Gang Bolt - 51-1/2" Long	*
19	DGA67	7 Blade Gang Bolt - 61-1/4" Long	*
	DGA35	Socket Wrench	1
	CF50541	5/8" x 4" x 3-7/16" Long U-Bolt (Plated)	*
20	DG83	3/8" x 3" Cotter Pin	4
21		1/2" x 1-3/4" N.C. Carriage Head Bolt	*
22		1/2" x 2-1/4" N.C. Hex Bolt	*
23		1/2" N.C. Hex Nut	*
24		5/8" N.C. Hex Nut	*
25		1/2" Lockwasher	*
26		5/8" Lockwasher	*

* As Required

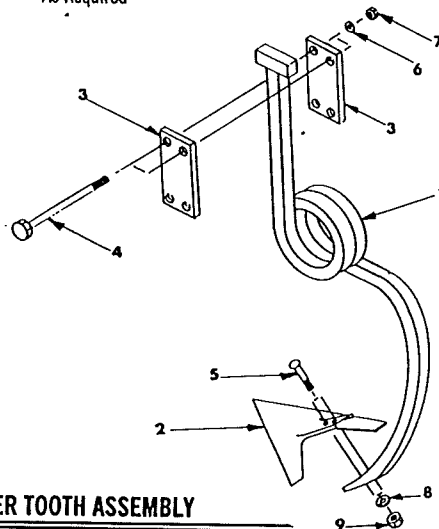
MODEL 280 DISC



SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper	*
2	DG6084	R.H. Scraper	*
		<u>SCRAPER BAR FOR 8" SPACING DISC</u>	
	DS41	5 Blade Scraper Bar - 41"	*
	DS49	6 Blade Scraper Bar - 49"	*
	DS57	7 Blade Scraper Bar - 57-1/2"	*
	DS65	8 Blade Scraper Bar - 65-1/2"	*
		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS45	5 Blade Scraper Bar - 45-1/2"	*
	DS55	6 Blade Scraper Bar - 55"	*
	DS64	7 Blade Scraper Bar - 64"	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		5/8" Lockwasher	*
8		1/2" Lockwasher	*

* As Required



CENTER TOOTH ASSEMBLY

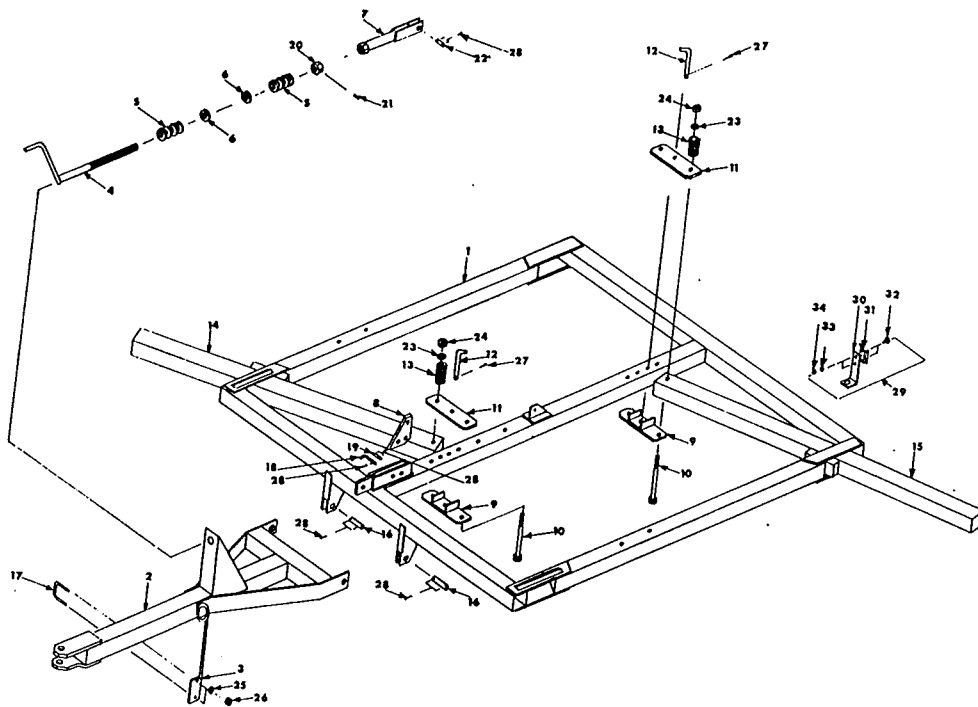
Ref. No.	Part No.	Description	Qty. Req'd
1	DT6200	Shank	1
2	DT6201	10" Shovel	1
3	DT6202	Clamp Plate	2
4		5/8" x 7-1/2" N.C. Hex Bolt	4
5		7/16" x 2" N.C. Plow Bolt #3 Head	2
6		5/8" Lockwasher	4
7		5/8" N.C. Hex Nut	4
8		7/16" Lockwasher	2
9		7/16" N.C. Hex Nut	2

MODEL 390 TANDEM DISC

PAINT & DECALS

Part No.	Description	Qty. Req'd
L001	Ezee-On Yellow Paint - 1 Quart Can	*
L002	Ezee-On Yellow Paint - ½ Pint Can	*
L003	Ezee-On Yellow Paint - Spray Bomb	*
L010	Ezee-On Decal	3

MODEL 390 TANDEM DISC

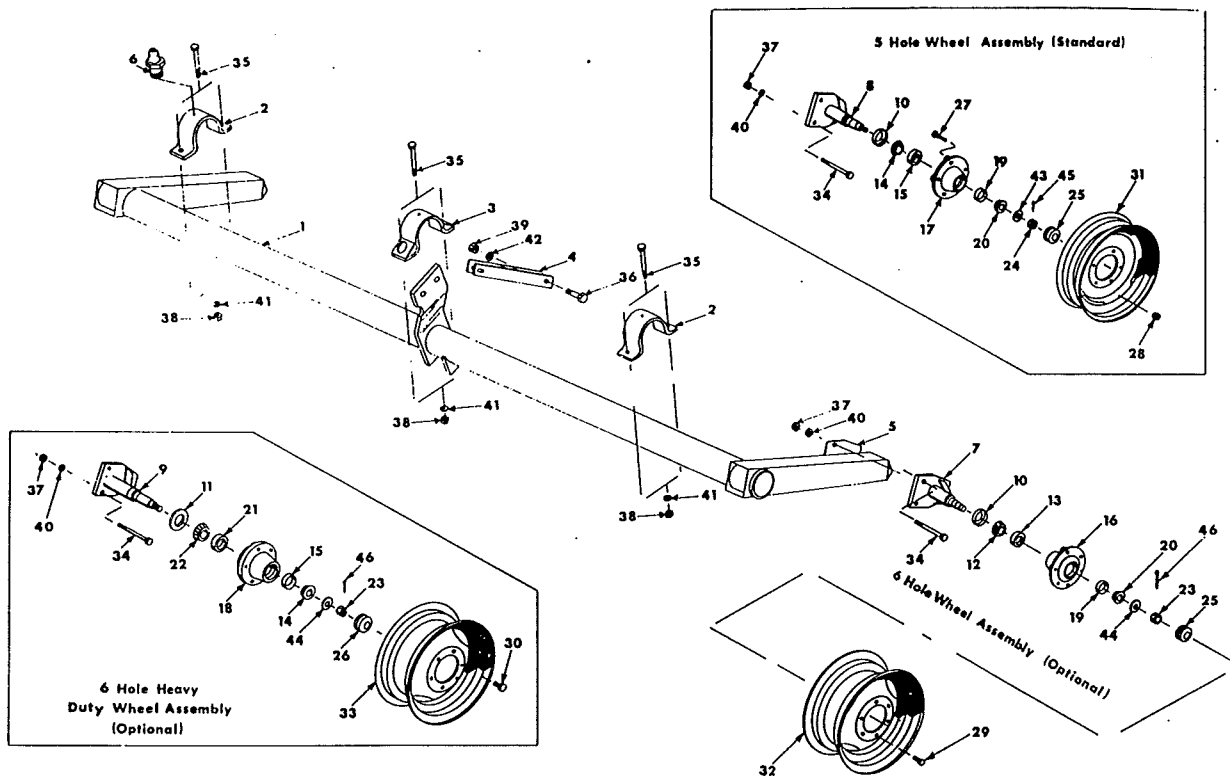


FRAME, HITCH, SOLID GANG BEAM AND LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB6000	Main Frame c/w Two Hitch Pins and Cyl. Lug	1
2	DHA6036	Hitch	1
3	DHA6054	Hose Support	1
4	DHA6049	Levelling Crank	1
5	DH1	Compression Spring - Levelling Crank	2
6	DC15	Timken Thrust Bearing #T199	2
7	DHA6047	Levelling Link	1
8	DF6023	Cylinder Lug	1
9	DFA6026	Gang Beam Mount Plate - Bottom	2
10		1\" x 12\" N.C. Hex Bolt	4
11	DFA6029	Gang Beam Mount Plate - Top	2
12	DF37	Pin - Gang Mount Assembly	2
13	DF22	Compression Spring	4
14		<u>FRONT GANG BEAM - SOLID (For 8\" Spacing Disc)</u>	
	DBS4-60-1	60\" Gang Beam - 34 Blade Disc	2
	DBS4-72-1	72\" Gang Beam - 38 Blade Disc	2
	DBS4-78-1	78\" Gang Beam - 42 Blade Disc	2
	DBS4-90-1	90\" Gang Beam - 46 Blade Disc	2
	DBS4-96-1	96\" Gang Beam - 50 Blade Disc	2
	DBS4-102-1	102\" Gang Beam - 54 Blade Disc	2
	DBS4-114-1	114\" Gang Beam - 58 Blade Disc	2
		<u>FRONT GANG BEAM - SOLID (For 9\" Spacing Disc)</u>	
	DBS4-60-1	60\" Gang Beam - 30 Blade Disc	2
	DBS4-72-1	72\" Gang Beam - 34 Blade Disc	2
	DBS4-78-1	78\" Gang Beam - 38 Blade Disc	2
	DBS4-90-1	90\" Gang Beam - 42 Blade Disc	2
	DBS4-96-1	96\" Gang Beam - 46 Blade Disc	2
	DBS4-108-1	108\" Gang Beam - 50 Blade Disc	2
		<u>FRONT GANG BEAM - SOLID (For 10-1/2\" Spacing Disc)</u>	
	DBS4-60-1	60\" Gang Beam - 26 Blade Disc	2
	DBS4-72-1	72\" Gang Beam - 30 Blade Disc	2
	DBS4-84-1	84\" Gang Beam - 34 Blade Disc	2
	DBS4-96-1	96\" Gang Beam - 38 Blade Disc	2
	DBS4-102-1	102\" Gang Beam - 42 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Re
15		<u>FRONT GANG BEAM - SOLID (For 8\" Spacing Disc)</u>	
	DBS4-78-1	78\" Gang Beam - 34 Blade Disc	2
	DBS4-90-1	90\" Gang Beam - 38 Blade Disc	2
	DBS4-90-1	90\" Gang Beam - 42 Blade Disc	2
	DBS4-102-1	102\" Gang Beam - 46 Blade Disc	2
	DBS4-108-1	108\" Gang Beam - 50 Blade Disc	2
	DBS4-120-1	120\" Gang Beam - 54 Blade Disc	2
	DBS4-126-1	126\" Gang Beam - 58 Blade Disc	2
		<u>REAR GANG BEAMS - SOLID (For 9\" Spacing Disc)</u>	
	DBS4-72-1	72\" Gang Beam - 30 Blade Disc	2
	DBS4-84-1	84\" Gang Beam - 34 Blade Disc	2
	DBS4-96-1	96\" Gang Beam - 38 Blade Disc	2
	DBS4-102-1	102\" Gang Beam - 42 Blade Disc	2
	DBS4-114-1	114\" Gang Beam - 46 Blade Disc	2
	DBS4-120-1	120\" Gang Beam - 50 Blade Disc	2
		<u>REAR GANG BEAMS - SOLID (For 10-1/2\" Spacing Disc)</u>	
	DBS4-78-1	78\" Gang Beam - 26 Blade Disc	2
	DBS4-90-1	90\" Gang Beam - 30 Blade Disc	2
	DBS4-102-1	102\" Gang Beam - 34 Blade Disc	2
	DBS4-114-1	114\" Gang Beam - 38 Blade Disc	2
	DBS4-120-1	120\" Gang Beam - 42 Blade Disc	2
16	DHG056	Pin - Hitch	2
17	DG6080	5/8\" x 4\" U-Bolt	1
18	DH5249	Pin - Lock-Up and Cylinder Lug	1
19	DF6024	Pin - Cylinder Lug	1
20	DH5	2\" N.C. Heavy Hex Nut-Drilled for Set Screws	1
21		1/2\" x 1\" N.C. Square Head Set Screw	1
22	DF6024	Pin - Levelling Link	1
23	DF49	2\" O.D. x 1-1/32\" I.D. x 3/16\" Washer	4
24		1\" N.C. Hex Nut	1
25		5/8\" Lockwasher	1
26		5/8\" N.C. Hex Nut	1
27		3/16\" x 1-1/4\" Cotter Pin	2
28		1/4\" x 1-1/2\" Cotter Pin	6

MODEL 390 TANDEM DISC

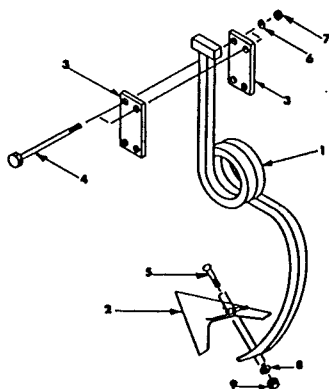


ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA6060	Rockshaft	1
2	DF41	Outside Bearing	2
3	DFA40	Center Bearing	1
4	DRA6020	Lock-Up Strap	1
5	DR76	Axle Backing Plate	*
6	10GN1	Grease Fitting	3
7	DRA6	Axle Assembly	*
8	DRA2	Axle Assembly	*
9	DRA8	Axle Assembly	*
10	DR85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM29749	*
13	DR106	Cup #LM29710	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
16	DRA7	Hub c/w Cups	*
17	DRA3	Hub c/w Cups	*
18	DRA9	Hub c/w Cups	*
19	DR90	Cup #LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #LM25520	*
22	DR120	Cone Bearing #LM25580	*
23	DR110	1" N.F. Hex Slotted Nut	*

* As Required

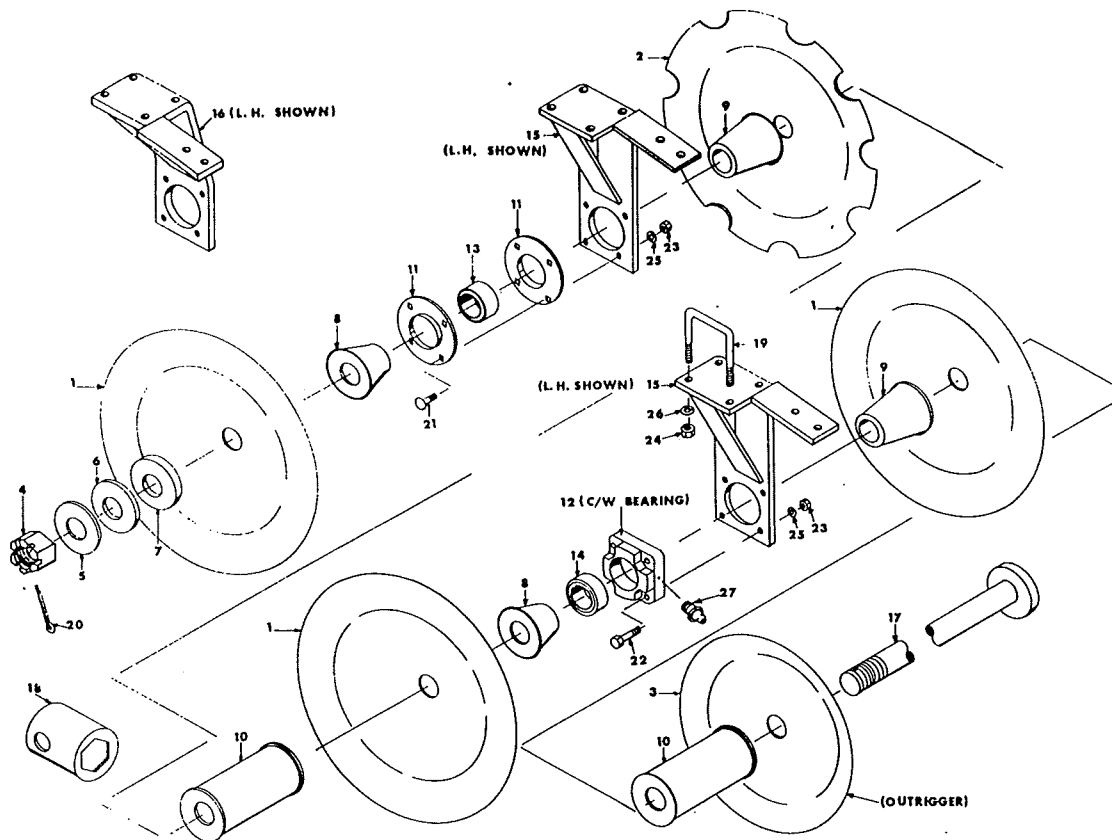
Ref. No.	Part No.	Description	Qty. Req'd
24	DR83	7/8" N.F. Hex Slotted Nut	*
25	DR88	Hub Cap	*
26	DR123	Hub Cap	*
27	DR87	Wheel Bolts	*
28	DR86	Tapered Wheel Nut 1/2" N.F.	*
29	DR111	Wheel Studs	*
30	DR125	Wheel Studs	*
31	DR93	15" x 6" - 5 Hole Rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 Hole Rim (use 7.60 x 15 or 9.5L x 15 tire)	*
33	DR127	15" x 8" - 6 Hole Rim (use 9.5L x 15 or 11L x 15 tire)	*
STANDARD HARDWARE			
34		5/8" x 6" N.C. Hex Bolt	6
35		3/4" x 5-1/2" N.C. Hex Bolt	6
36		1" x 3" N.C. Hex Bolt	1
37		5/8" N.C. Hex Nut	6
38		3/4" N.C. Hex Nut	6
39		1" N.C. Hex Nut	1
40		5/8" Lockwasher	6
41		3/4" Lockwasher	6
42		1" Lockwasher	1
43		1-3/4" O.D. x 15/16" I.D. x 1/8" Flatwasher	*
44		2" O.D. x 1-1/8" I.D. x 1/8" Flatwasher	*
45		3/16" x 1" Cotter Pin	*
46		3/16" x 1-1/4" Cotter Pin	*



CENTER TOOTH

Ref. No.	Part No.	Description	Qty. Req'd
1	DT6200	Shank	1
2	DT6201	10" Shovel	1
3	DT6202	Clamp Plate	2
4		5/8" x 7-1/2" N.C. Hex Bolt	4
5		7/16" x 2" N.C. Plow Bolt #3 Head	2
6		5/8" Lockwasher	4
7		5/8" N.C. Hex Nut	4
8		7/16" Lockwasher	2
9		7/16" N.C. Hex Nut	2

MODEL 390 TANDEM DISC

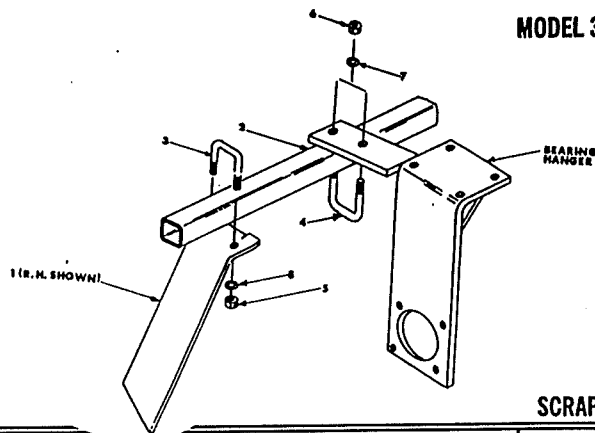


DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG134	20" x 5 mm (.197) Plain Disc Blade	*	17	DGA126	GANG BOLTS FOR 8" SPACING	*
	DG149	20" x 6 mm (.236) Plain Disc Blade	*		DGA85	4 Blade Gang Bolt - 29-1/2" Long	*
	DG62	22" x 5 mm (.197) Plain Disc Blade	*		DGA86	5 Blade Gang Bolt - 37-3/4" Long	*
	DG64	22" x 6 mm (.236) Plain Disc Blade	*		DGA87	6 Blade Gang Bolt - 46" Long	*
	DG60	22" x 7 mm (.275) Plain Disc Blade	*		DGA88	7 Blade Gang Bolt - 54-1/2" Long	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*		DGA89	8 Blade Gang Bolt - 62-3/4" Long	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	*		DGA90	9 Blade Gang Bolt - 71" Long	*
2	DG150	20" x 6 mm (.236) Notched Disc Blade	*		DGA91	10 Blade Gang Bolt - 79-1/2" Long	*
	DG63	22" x 5 mm (.197) Notched Disc Blade	*		DGA92	11 Blade Gang Bolt - 87-3/4" Long	*
	DG65	22" x 6 mm (.236) Notched Disc Blade	*		DGA93	12 Blade Gang Bolt - 96" Long	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*		DGA94	13 Blade Gang Bolt - 104-1/4" Long	*
	DG69	24" x 6 mm (.236) Notched Disc Blade	*		DGA95	14 Blade Gang Bolt - 112-1/2" Long	*
	DG79	24" x 7 mm (.275) Notched Disc Blade	*		DGA96	15 Blade Gang Bolt - 121" Long	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*		DGA127	GANG BOLTS FOR 9" SPACING	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*		DGA65	4 Blade Gang Bolt - 32-1/2" Long	*
	DG134	20" x 5 mm (.197) Plain Outrigger Blade	*		DGA66	5 Blade Gang Bolt - 41-3/4" Long	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*		DGA67	6 Blade Gang Bolt - 50-3/4" Long	*
5	DG89	1/4" Shim Washer	*		DGA68	7 Blade Gang Bolt - 60-1/2" Long	*
6	DG88	1/2" Shim Washer	*		DGA69	8 Blade Gang Bolt - 69-3/4" Long	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*		DGA70	9 Blade Gang Bolt - 78-3/4" Long	*
8	DGA108	8" Spacing Short Half Spool - 2-3/8" Long	*		DGA71	10 Blade Gang Bolt - 88-1/4" Long	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long & with 5" Washer (Conver)	*		DGA72	11 Blade Gang Bolt - 97-1/2" Long	*
9	DGA102	8" & 9" Spacing Long Half Spool - 4-7/16" Long	*		DGA73	12 Blade Gang Bolt - 106-3/4" Long	*
	DGA104	10-1/2" Spacing Long Half Spool - 5-5/16" Long	*		DGA125	GANG BOLTS FOR 10-1/2" SPACING	*
10	DGA113	8" Spacing Full Half Spool	*		DGA109	3 Blade Gang Bolt - 26-1/2" Long	*
	DGA98	9" Spacing Full Spool w/5" End Washer	*		DGA75	4 Blade Gang Bolt - 37" Long	*
	DGA99	10-1/2" Spacing Full Spool w/5" End Washer	*		DGA76	5 Blade Gang Bolt - 47-1/2" Long	*
11	DG93	Heavy Duty Flangette for 210 Series Bearing	*		DGA77	6 Blade Gang Bolt - 58-1/2" Long	*
12	DGB5334	211 Housing c/w Bearing & Grease Fitting	*		DGA78	7 Blade Gang Bolt - 69-1/4" Long	*
13	DG90	210 Series Sealed Bearing	*		DGA79	8 Blade Gang Bolt - 80" Long	*
14	DG95	211 Series Greaseable Bearing	*		DGA80	9 Blade Gang Bolt - 90-3/4" Long	*
15	DGA6089	L.H. Straight Bearing Hanger 5/8" x 6" - 16-3/8" Long	*		DGA81	10 Blade Gang Bolt - 101-3/4" Long	*
	DGA6090	R.H. Straight Bearing Hanger 5/8" x 6" - 16-3/8" Long	*		DGA82	11 Blade Gang Bolt - 112-1/2" Long	*
	DGA6085	L.H. Straight Bearing Hanger 3/4" x 6" - 17-5/8" Long (used 1978 & prior)	*	18	DGA35	Socket Wrench	1
	DGA6086	R.H. Straight Bearing Hanger 3/4" x 6" - 17-5/8" Long (used 1978 & prior)	*	19	DG6080	5/8" x 4" U-Bolt - 4-7/16" Long	*
16	DGA6091	L.H. Offset Hanger 5/8" x 6" - 16-3/8" Overall Length	*	20	DG83	3/8" x 3" Cotter Pin	*
	DGA6092	R.H. Offset Hanger 5/8" x 6" - 16-3/8" Overall Length	*	21		STANDARD HARDWARE	*
	DGA6087	L.H. Offset Hanger 3/4" x 6" - 17-5/8" Overall Length (used 1978 & prior)	*	22		1/2" x 1-3/4" N.C. Carriage Head Bolt	*
	DGA6088	R.H. Offset Hanger 3/4" x 6" - 17-5/8" Overall Length (used 1978 & prior)	*	23		1/2" x 2-1/4" N.C. Hex Bolt	*
				24		1/2" N.C. Hex Nut	*
				25		5/8" N.C. Hex Nut	*
				26		1/2" Lockwasher	*
				27	10GN1	5/8" Lockwasher	*
						1/4" x 28 Grease Nipple	*

* As Required

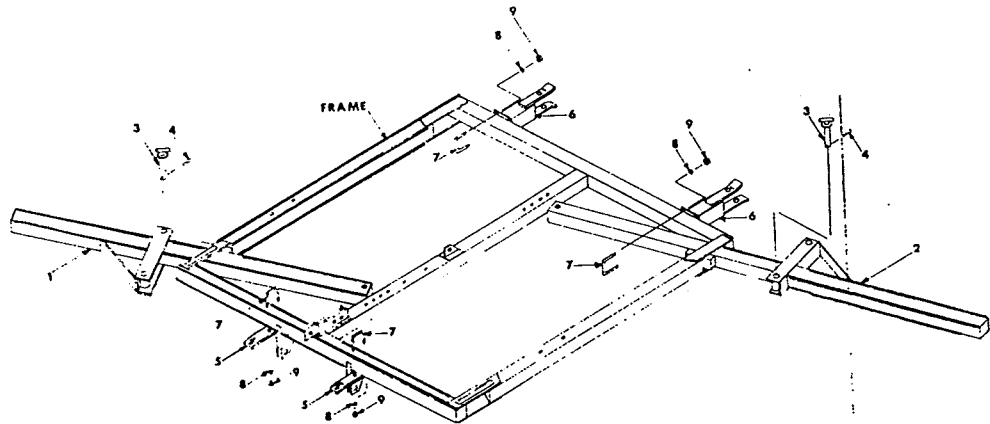
MODEL 390 TANDEM DISC



SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper - used with 5/8" x 6" Hanger	*		DS84	9 Blade Scraper Bar - 84" Long	*
	DG6084	R.H. Scraper - used with 5/8" x 6" Hanger	*		DS90	10 Blade Scraper Bar - 90" Long	*
	DG6081	L.H. Scraper - used with 3/4" x 6" Hanger (used 1978 & prior)	*		DS102	11 Blade Scraper Bar - 102" Long	*
	DG6082	R.H. Scraper - used with 3/4" x 6" Hanger (used 1978 & prior)	*		DS114	12 Blade Scraper Bar - 114" Long	*
2		SCRAPER BAR FOR 8" SPACING DISC			DS120	13 Blade Scraper Bar - 120" Long	*
	DS36	4 Blade Scraper Bar - 36" Long	*	2		SCRAPER BAR FOR 10-1/2" SPACING DISC	
	DS42	5 Blade Scraper Bar - 42" Long	*		DS30	3 Blade Scraper Bar - 30" Long	*
	DS48	6 Blade Scraper Bar - 48" Long	*		DS42	4 Blade Scraper Bar - 42" Long	*
	DS60	7 Blade Scraper Bar - 60" Long	*		DS54	5 Blade Scraper Bar - 54" Long	*
	DS66	8 Blade Scraper Bar - 66" Long	*		DS60	6 Blade Scraper Bar - 60" Long	*
	DS72	9 Blade Scraper Bar - 72" Long	*		DS72	7 Blade Scraper Bar - 72" Long	*
	DS84	10 Blade Scraper Bar - 84" Long	*		DS84	8 Blade Scraper Bar - 84" Long	*
	DS90	11 Blade Scraper Bar - 90" Long	*		DS96	9 Blade Scraper Bar - 96" Long	*
	DS102	12 Blade Scraper Bar - 102" Long	*		DS108	10 Blade Scraper Bar - 108" Long	*
	DS108	13 Blade Scraper Bar - 108" Long	*		DS120	11 Blade Scraper Bar - 120" Long	*
	DS114	14 Blade Scraper Bar - 114" Long	*	3	DG5308	1/2" x 2" U-Bolt	*
	DS126	15 Blade Scraper Bar - 126" Long	*	4	DG5309	5/8" x 2" U-Bolt	*
		SCRAPER BAR FOR 9" SPACING DISCS		5		1/2" N.C. Hex Nut	*
	DS36	4 Blade Scraper Bar - 36" Long	*	6		5/8" N.C. Hex Nut	*
	DS48	5 Blade Scraper Bar - 48" Long	*	7		5/8" Lockwasher	*
	DS54	6 Blade Scraper Bar - 54" Long	*	8		1/2" Lockwasher	*
	DS66	7 Blade Scraper Bar - 60" Long	*				
	DS72	8 Blade Scraper Bar - 72" Long	*				

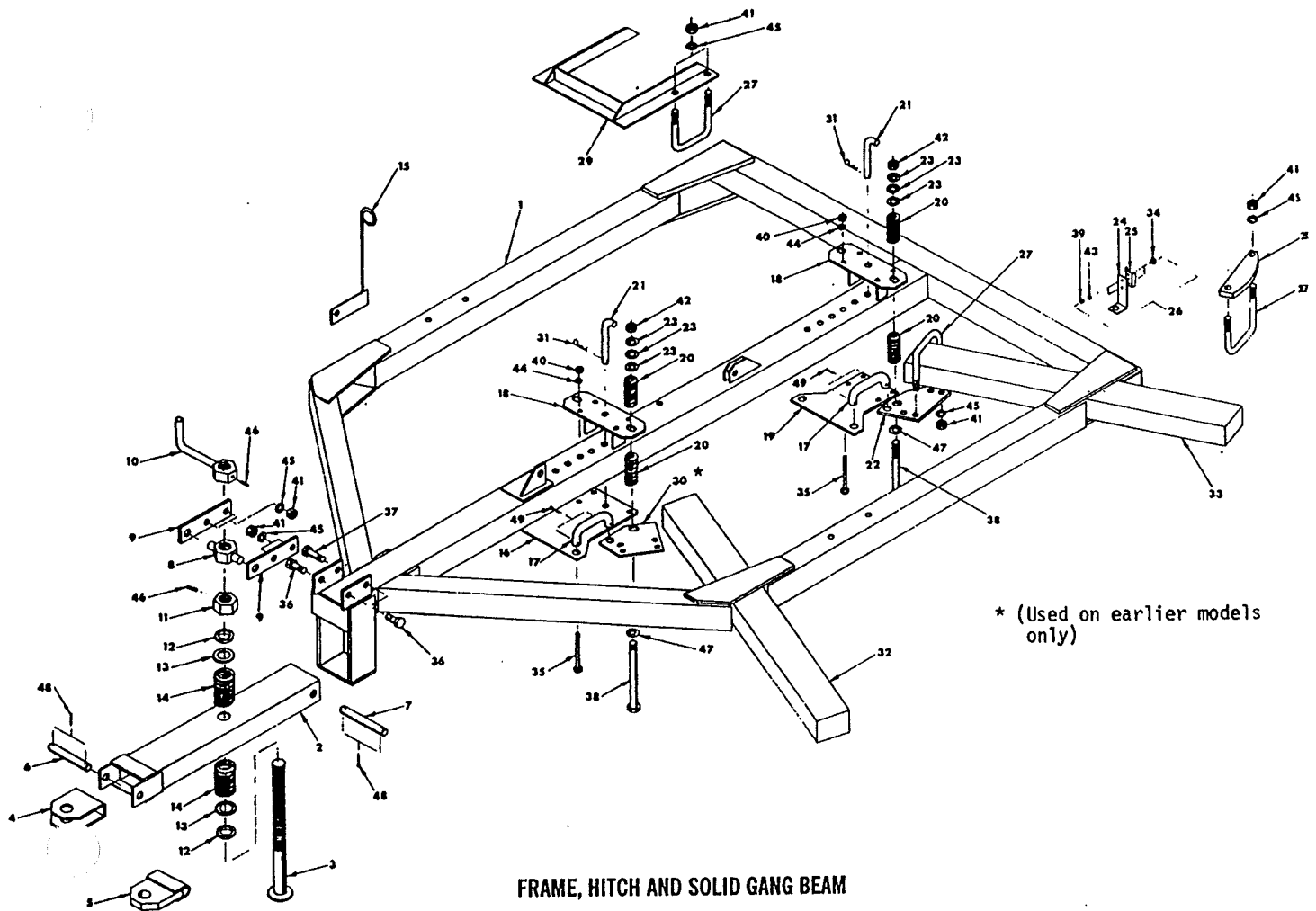
* As Required



WING TYPE GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		FRONT GANG BEAM - WING TYPE (8" SPACING)			DWB6140	73" & 47" Wing Gang Beam - 54 Blade Disc (R.H.)	*
	DWB6167	65" & 33" Wing Gang Beam - 50 Blade Disc (R.H.)	*		DWB6148	73" & 53" Wing Gang Beam - 58 Blade Disc (L.H.)	*
	DWB6168	65" & 33" Wing Gang Beam - 50 Blade Disc (L.H.)	*		DWB6147	73" & 53" Wing Gang Beam - 58 Blade Disc (R.H.)	*
	DWB6160	65" & 42" Wing Gang Beam - 54 Blade Disc (L.H.)	*			REAR GANG BEAM - WING TYPE (9" SPACING)	
	DWB6159	65" & 42" Wing Gang Beam - 54 Blade Disc (R.H.)	*		DWB6180	64" & 42" Wing Gang Beam - 42 Blade Disc (L.H.)	*
	DWB6144	67" & 45" Wing Gang Beam - 58 Blade Disc (L.H.)	*		DWB6179	64" & 42" Wing Gang Beam - 42 Blade Disc (R.H.)	*
	DWB6143	67" & 45" Wing Gang Beam - 58 Blade Disc (R.H.)	*		DWB6172	73" & 41" Wing Gang Beam - 46 Blade Disc (L.H.)	*
		FRONT GANG BEAM - WING TYPE (9" SPACING)			DWB6171	73" & 41" Wing Gang Beam - 46 Blade Disc (R.H.)	*
	DWB6176	56" & 33" Wing Gang Beam - 42 Blade Disc (L.H.)	*		DWB6148	73" & 53" Wing Gang Beam - 50 Blade Disc (L.H.)	*
	DWB6175	56" & 33" Wing Gang Beam - 42 Blade Disc (R.H.)	*		DWB6147	73" & 53" Wing Gang Beam - 50 Blade Disc (R.H.)	*
	DWB6168	65" & 33" Wing Gang Beam - 46 Blade Disc (L.H.)	*			REAR GANG BEAM - WING TYPE (10-1/2" SPACING)	
	DWB6167	65" & 33" Wing Gang Beam - 46 Blade Disc (R.H.)	*		DWB6172	73" & 41" Wing Gang Beam - 38 Blade Disc (L.H.)	*
	DWB6160	65" & 42" Wing Gang Beam - 50 Blade Disc (L.H.)	*		DWB6171	73" & 41" Wing Gang Beam - 38 Blade Disc (R.H.)	*
	DWB6159	65" & 42" Wing Gang Beam - 50 Blade Disc (R.H.)	*		DWB6148	73" & 53" Wing Gang Beam - 42 Blade Disc (L.H.)	*
		FRONT GANG BEAM - WING TYPE (10-1/2" SPACING)			DWB6147	73" & 53" Wing Gang Beam - 42 Blade Disc (R.H.)	*
	DWB6168	65" & 33" Wing Gang Beam - 38 Blade Disc (L.H.)	*	3	DWA6131	Pin - Wing Lock	4
	DWB6167	65" & 33" Wing Gang Beam - 38 Blade Disc (R.H.)	*	4	DW25	Hairpin Cotter	4
	DWB6160	65" & 42" Wing Gang Beam - 42 Blade Disc (L.H.)	*	5	DW6116	Front Support	2
	DWB6159	65" & 42" Wing Gang Beam - 42 Blade Disc (R.H.)	*	6	DWA6112	Rear Support	2
2		REAR GANG BEAM - WING TYPE (8" SPACING)		7	DG6080	5/8" x 4" U-Bolt	6
	DWB6172	73" & 41" Wing Gang Beam - 50 Blade Disc (L.H.)	*	8		5/8" Lockwasher	12
	DWB6171	73" & 41" Wing Gang Beam - 50 Blade Disc (R.H.)	*	9		5/8" N.C. Hex Nut	12
	DWB6139	73" & 47" Wing Gang Beam - 54 Blade Disc (L.H.)	*				

MODEL 400 DISC



* (Used on earlier models only)

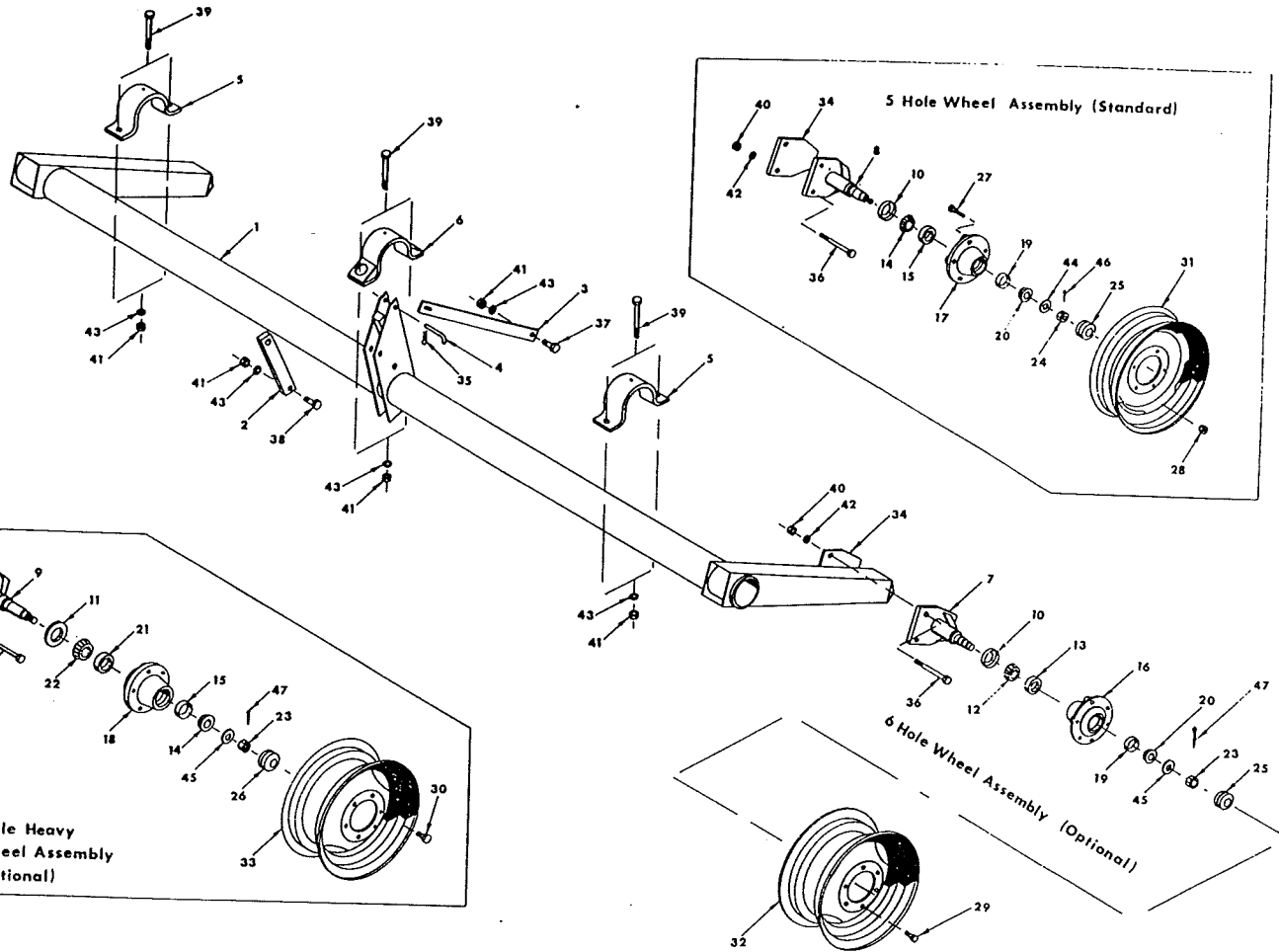
FRAME, HITCH AND SOLID GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA1	Frame	1
2	DHA1	Tongue	1
3	DHA2	Threaded Shaft	1
4	DHA5	Clevis	1
5	DHA6	Male Hitch (Optional)	1
6	DH30	Front Hitch Pin	1
7	DH12	Rear Hitch Pin	1
8	DHA4	Swivel Nut	1
9	DH15	Hitch Support Plate	2
10	DHA3	Crank	1
11	DH5	2" N.C. Heavy Hex Nut - Drilled	1
12	DC15	Thrust Bearing - Timken #T199	2
13	DC13	Cup	2
14	DH1	Hitch Spring	2
15	DFA15	Hose Support	1
16	DF23	Bottom Plate - Front	1
17	DF29	Connecting Link	4
18	DF7	Top Plate	2
19	DF28	Bottom Plate - Rear	1
20	DF22	Spring	8
	DF20	Order Part No. DF 22	8
	DF21	Order Part No. DF 22	8
21	DF37	Pin	2
22	DG17	Mount Plate - Rear	2
23	DF49	2" O.D. x 1-1/32" I.D. x 3/16" Washer	12
24	DF16	S.M.V. Sign Support	1
25	DF54	S.M.V. Sign Clip	1
26	DFA16	S.M.V. Sign Support and Clip Bolted	1
27	DG18	U-Bolt (3/4" x 6")	*
28	DG160	Thrust Block	4
29	DGA36	Gang Beam Stabilizer - used on 46 and 50 Blade 9" spacing Discs - Also used on 42 and 46 Blade 10-1/2" spacing Discs.	4
30	DG10	Front Mount Plate (used on some earlier discs)	2
31	DR129	Hair Pin Cotter	2
32		FRONT GANG BEAMS FOR 9" SPACING DISC	
	DBS-48	48" Gang Beam - 26 Blade Disc	2
	DBS-54	54" Gang Beam - 30 Blade Disc	2
	DBS-66	66" Gang Beam - 34 Blade Disc	2
	DBS-72	72" Gang Beam - 38 Blade Disc	2
	DBS-84	84" Gang Beam - 42 Blade Disc	2
	DBS-90	90" Gang Beam - 46 Blade Disc	2
	DBS-102	102" Gang Beam - 50 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
32		FRONT GANG BEAMS FOR 10-1/2" SPACING DISC	
	DBS54	54" Gang Beam - 26 Blade Disc	2
	DBS66	66" Gang Beam - 30 Blade Disc	2
	DBS72	72" Gang Beam - 34 Blade Disc	2
	DBS84	84" Gang Beam - 38 Blade Disc	2
	DBS96	96" Gang Beam - 42 Blade Disc	2
	DBS108	108" Gang Beam - 46 Blade Disc	2
33		REAR GANG BEAMS FOR 9" SPACING DISC	
	DBS54	54" Gang Beam - 26 Blade Disc	2
	DBS66	66" Gang Beam - 30 Blade Disc	2
	DBS72	72" Gang Beam - 34 Blade Disc	2
	DBS84	84" Gang Beam - 38 Blade Disc	2
	DBS90	90" Gang Beam - 42 Blade Disc	2
	DBS102	102" Gang Beam - 46 Blade Disc	2
	DBS108	108" Gang Beam - 50 Blade Disc	2
33		REAR GANG BEAMS FOR 10-1/2" SPACING DISC	
	DBS66	66" Gang Beam - 26 Blade Disc	2
	DBS90	90" Gang Beam - 30 Blade Disc	2
	DBS102	102" Gang Beam - 34 Blade Disc	2
	DBS108	108" Gang Beam - 38 & 42 Blade Disc	2
	DBS132	132" Gang Beam - 46 Blade Disc	2
34		5/16" x 3/4" N.C. Carriage Bolt	2
35		5/8" x 7" N.C. Hex Bolt	8
36		3/4" x 2-1/2" N.C. Hex Bolt	3
37		3/4" x 3" N.C. Hex Bolt	1
38		1" x 12" N.C. Hex Bolt	4
39		5/16" N.C. Hex Nut	2
40		5/8" N.C. Hex Nut	8
41		3/4" N.C. Hex Nut	*
42		1" N.C. Hex Nut	4
43		5/16" Lockwasher	2
44		5/8" Lockwasher	8
45		3/4" Lockwasher	*
46		1/2" x 1" N.C. Sq. Head Set Screw	2
47		2" O.D. x 1-1/8" I.D. x 1/8" Flatwasher	4
48		1/4" x 2" Cotter Pin	4
49		5/16" x 2" Cotter Pin	8

*As Required

MODEL 400 DISC



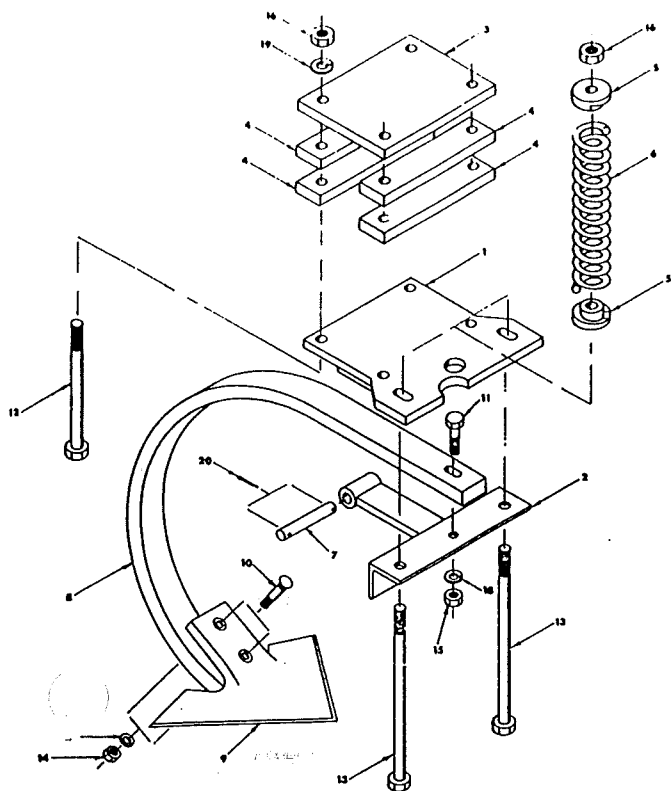
ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA1	Rockshaft	1
2	DR72	Pivot Strap	1
3	DR73	Lock-up Strap	1
4	DR96	Lock Pin	1
5	DF41	Outside Bearing	2
6	DFA40	Center Bearing	1
7	DRA6	Axle Assembly	*
8	DRA2	Axle Assembly	*
9	DRA8	Axle Assembly	*
10	DR85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM29749	*
13	DR106	Cup #LM29710	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
16	DRA7	Hub c/w cups	*
17	DRA3	Hub c/w cups	*
18	DRA9	Hub c/w cups	*
19	DR90	Cup - LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #25520	*
22	DR120	Cone Bearing #25580	*
23	DR110	1" N.F. Hex Slotted Nut	*
24	DR82	3/4" N.F. Hex Slotted Nut (1975 & prior)	*
	DR83	7/8" N.F. Hex Slotted Nut (1975 & later)	*
25	DR88	Hub Cap	*
26	DR123	Hub Cap	*
27	DR87	Wheel Bolt	*
28	DR86	Tapered Wheel Nut 1/2" N.F.	*
29	DR111	Wheel Stud	*
30	DR125	Wheel Stud	*

Ref. No.	Part No.	Description	Qty. Req'd
31	DR93	15" x 6" - 5 hole rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 hole rim (use 7.60 x 15 tire)	*
	DR127	15" x 8" - 6 hole rim (use 9.5L x 15 tire)	*
33	DR127	15" x 8" - 6 hole rim (use 9.5L x 15 tire or 11L x 15 tire)	*
34	DR76	Axle Backing Plate	*
35	DR129	Hair Pin Cotter	1
		STANDARD HARDWARE	
36		5/8" x 6" N.C. Hex Bolt	6
37		3/4" x 2-1/2" N.C. Hex Bolt	1
38		3/4" x 3" N.C. Hex Bolt	1
39		3/4" x 6" N.C. Hex Bolt	6
40		5/8" N.C. Hex Nut	6
41		3/4" N.C. Hex Nut	8
42		5/8" Lockwasher	6
43		3/4" Lockwasher	8
44		1-3/4" O.D. x 13/16" I.D. x 1/8" Flatwasher (1975 & prior)	*
		1-3/4" O.D. x 15/16" I.D. x 1/8" washer (1975 & later)	*
45		2" O.D. x 1-1/6" I.D. x 1/8" Flatwasher	*
46		3/16" x 1" Cotter Pin	*
47		3/16" x 1-1/4" Cotter Pin	*
Not Shown	10GN1	Grease Nipple	*

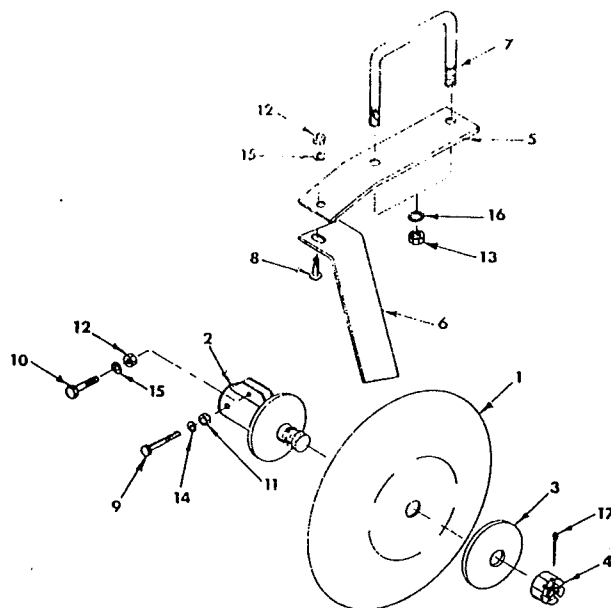
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MODEL 400 DISC



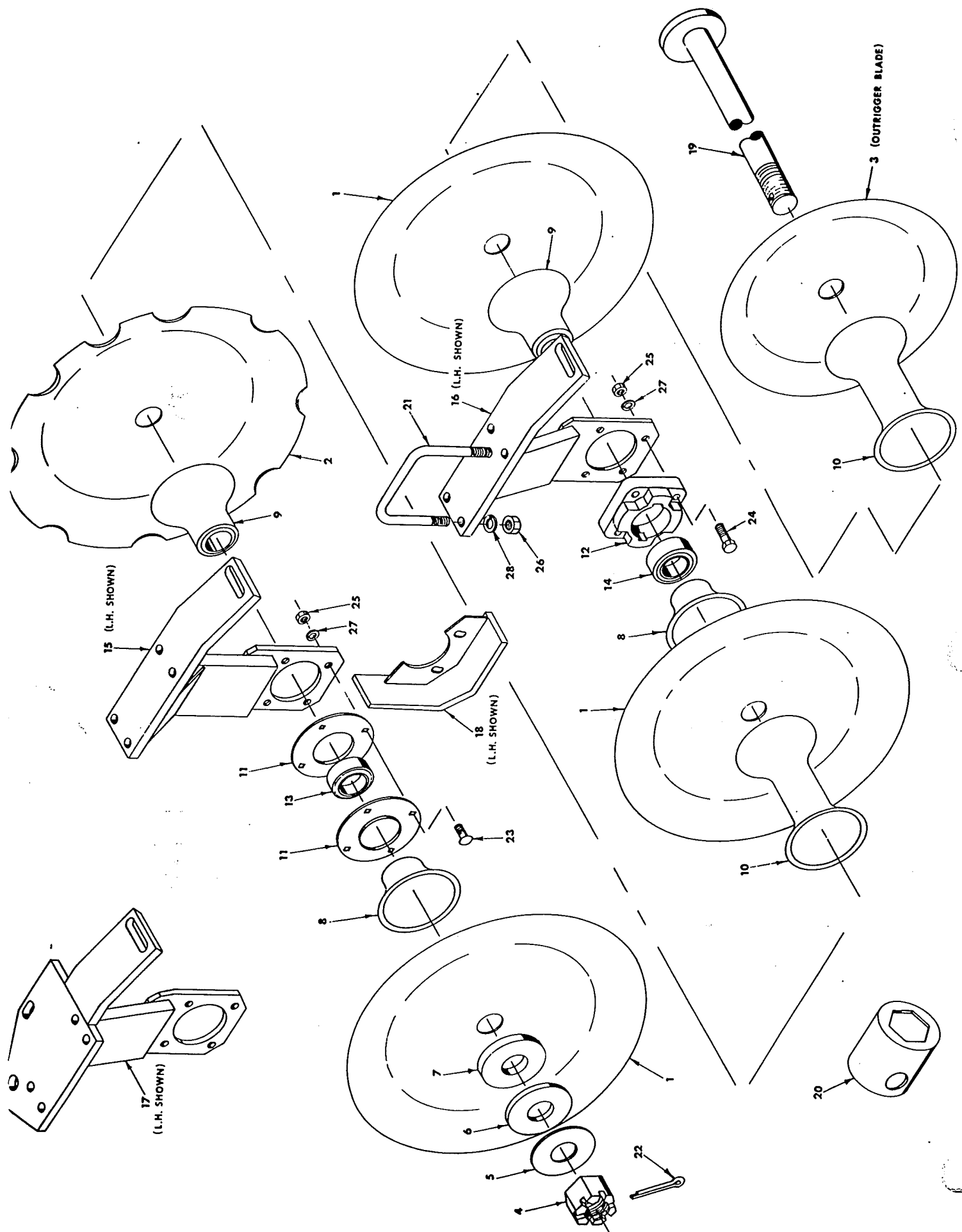
CENTER TOOTH PARTS LIST

Ref. No.	Part No.	Description	Qty. Req'd
1	DTA1	Shank Holder	1
2	DTA2	Hinge	1
3	DT127	Backing Plate	1
4	DT128	Spacer Bar	4
5	DT116	Spring Cushion	4
6	DT117	Spring	2
7	DT123	Pin	1
8	DT110	Shank	1
9	DT111	12" Sweep	1
STANDARD HARDWARE			
10		7/16" x 2" N.C. Plow Bolt #3 Head	2
11		5/8" x 2-1/2" N.C. Hex Bolt	1
12		3/4" x 8-1/2" N.C. Hex Bolt	4
13		3/4" x 12" N.C. Hex Bolt	2
14		7/16" N.C. Hex Nut	2
		5/8" N.C. Hex Nut	1
		3/4" N.C. Hex Nut	6
		7/16" Lockwasher	2
18		5/8" Lockwasher	1
19		3/4" Lockwasher	4
20		3/16" x 1-1/4" Cotter Pin	2



FIELD INSTALLED OUTRIGGER PARTS LIST

Ref. No.	Part No.	Description	Qty. Req'd
1	DG131	18" Blade - 1/14" dia. rd. hole	2
2	DGA30	Gang Shaft Extension	2
3	DG127	Washer	2
4	DG125	1-1/4" N.C. Hex Slotted Nut	2
5	DG120	Scraper Holder	2
6	DG111	L.H. Scraper	1
	DG110	R.H. Scraper	1
7	DG18	U-Bolt - Replaces Backing Plate #DG121	2
8		5/8" x 1-1/2" N.C. Carriage Bolt	2
9		1/2" x 3" N.C. Hex Nut	2
10		5/8" x 2-1/4" N.C. Hex Bolt	2
11		1/2" x 3" N.C. Hex Nut	2
12		5/8" N.C. Hex Nut	4
13		3/4" N.C. Hex Nut	4
14		1/2" Lockwasher	2
15		5/8" Lockwasher	4
16		3/4" Lockwasher	4
17		1/4" x 2" Cotter Pin	2



Disc Gun Assembly

MODEL 400 DISC

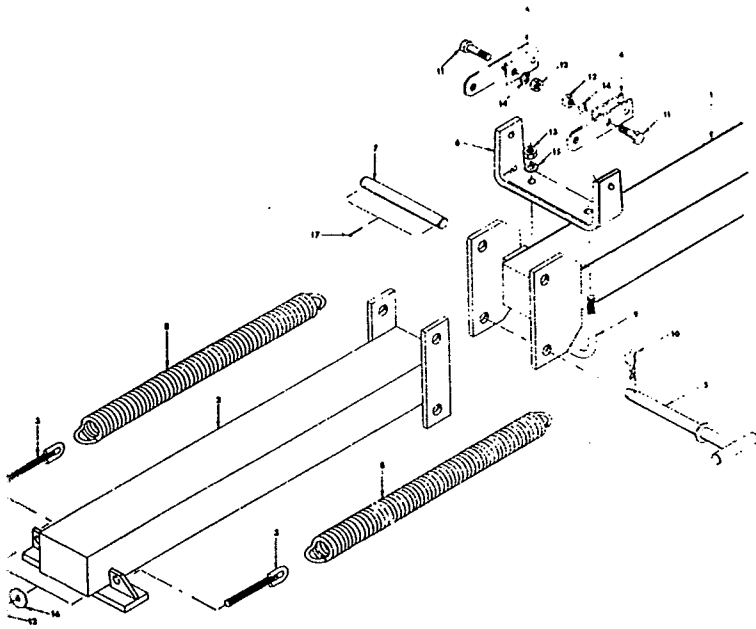
DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 5 mm (1.97) plain disc blade	*
	DG64	22" x 6 mm (2.36) plain disc blade	*
	DG60	22" x 7 mm (2.75) plain disc blade	*
	DG66	24" x 5 mm (1.97) plain disc blade	*
	DG68	24" x 6 mm (2.86) plain disc blade	*
	DG76	24" x 7 mm (2.75) plain disc blade	*
	DG137	24" x 8 mm (5/16) plain disc blade	*
	DG141	26" x 7 mm (2.75) cone disc blade - solid	*
	DG157	26" x 8 mm (5/16) cone disc blade - solid	*
2	DG79	24" x 7 mm (2.75) notched disc blade	*
	DG138	24" x 8 mm (5/16) notched disc blade	*
	DG75	26" x 8 mm (5/16) notched disc blade	*
3	DG133	18" x 5 mm (1.97) outrigger blade	*
	DG134	20" x 5 mm (1.97) outrigger blade	*
	DG62	22" x 5 mm (1.97) outrigger blade	*
4	DG82	2" N.C. heavy hex slotted nut	*
5	DG89	5" O.D. x 2" L.D. x 1/4" shim washer	*
6	DG88	5" O.D. x 2" L.D. x 1/2" shim washer	*
7	DG78	5" O.D. x 2" L.D. x 5/8" head washer	*
8	DG6	9" spacing short 1/2" spool (cast) for 210, 211 and 214 bearing (3-1/4" long)	*
	DG25	10-1/2" spacing short 1/2" spool (cast) for 210, 211 and 214 bearing (3-1/4" long)	*
	DGA97	9" and 10-1/2" short half spool (fab. from steel) for 210, 211 and 214 bearing (3-1/4" long)	*
	YG5	9" spacing long 1/2" spool (cast) for 210, and 211 bearings (4-7/16" long)	*
	DG31	9" spacing long 1/2" spool (cast) for 214 bearing (4-3/16" long)	*
	DG4	10-1/2" long 1/2" spool (cast) for 210 and 211 bearing (5-15/16" long)	*
	DG33	10-1/2" long 1/2" spool (fab. from steel) for 214 bearing (5-11/16" long)	*
	DGA102	9" long 1/2" spool (fab. from steel) for 210 and 211 bearing (4-7/16" long)	*
	DGA103	9" long 1/2" spool (fab. from steel) for 214 bearing (4-3/16" long)	*
	DGA104	10-1/2" long 1/2" spool (fab. from steel) for 210 and 211 bearing (5-15/16" long)	*
	DGA105	10-1/2" long 1/2" spool (fab. from steel) for 214 bearing (5-11/16" long)	*
10	DG2	9" full spool (cast)	*
	DG3	10-1/2" full spool (cast)	*
	DGA98	9" full spool (fab. from steel) 5" washer each end	*
	DGA99	10-1/2" full spool (fab. from steel) 5" washer each end	*
11	DG93	Heavy duty flange for 210 series bearing	*
12	DG85334	211 housing c/w bearing and grease fitting	*
	DG85335	214 housing c/w bearing and grease fitting	*
13	DG90	210 series sealed bearing	*
14	DG34	210 series greasable bearing	*
	DG95	211 series greasable bearing	*
	DG38	214 series greasable bearing	*
15	DGA6	L.H. straight bearing hanger - short (used 1973 and prior) (used with 210 and 211 series bearing)	*
	DGA7	R.H. straight bearing hanger - short (used 1973 and prior) (used with 210 and 211 series bearing)	*
	DGA53	L.H. straight bearing hanger - short (used 1974 and later) (Used with 210 and 211 series bearing)	*
	DGA54	R.H. straight bearing hanger - long (used 1974 and later) (Used with 210 and 211 series bearing)	*
	DGA55	R.H. straight bearing hanger (used with 214 series bearing)	*
	DGA56	L.H. straight bearing hanger (used with 214 series bearing)	*
16	DGA8	R.H. offset bearing hanger - short (used 1973 and prior) (used with 210 and 211 series bearing)	*
	DGA9	L.H. offset bearing hanger - short (used 1973 and prior) (used with 210 and 211 series bearing)	*
	DGA47	R.H. offset bearing hanger - long (used 1974 and later) (used with 210 and 211 series bearing)	*
	DGA48	L.H. offset bearing hanger - long (used 1974 and later) (used with 210 and 211 series bearing)	*
	DGA57	R.H. offset bearing hanger (used with 214 series bearing)	*
	DGA58	L.H. offset bearing hanger (used with 214 series bearing)	*

Ref. No.	Part No.	Description	Qty. Req'd
17	DGA49	L.H. spring mount bearing hanger - long (used 1974 and later) (used on 9" spacing disc w/210 & 211 series brg.)	*
	DGA50	R.H. spring mount bearing hanger - long (used 1974 and later) (used on 9" spacing disc w/210 & 211 series brg.)	*
	DGA51	R.H. spring mount bearing hanger - short (used 1973 and prior) (used on 9" spacing disc w/210 & 211 series brg.)	*
	DGA52	L.H. spring mount bearing - short (used 1973 and prior) (used on 9" spacing disc w/210 & 211 series brg.)	*
	DGA59	L.H. spring mount bearing hanger (used on 9" spacing disc w/214 series bearing)	*
	DGA60	R.H. spring mount bearing hanger (used on 9" spacing disc w/214 series bearing)	*
	DGA61	L.H. spring mount bearing hanger (used on 10-1/2" spacing disc w/211 series brg.)	*
	DGA62	R.H. spring mount bearing hanger (used on 10-1/2" spacing disc w/211 series brg.)	*
	DGA63	L.H. spring mount bearing hanger (used on 10-1/2" spacing disc w/214 series bearing)	*
	DGA64	R.H. spring mount bearing hanger (used on 10-1/2" spacing disc w/214 series bearing)	*
18	DGA37	R.H. sand guard (California Only)	*
	DGA38	L.H. sand guard (California Only)	*
19		<u>GANG BOLTS FOR 9" SPACING DISCS</u>	
	DGA65	5 blade gang bolt - 41-3/4"	*
	DGA11	6 blade gang bolt (order part #DGA66 - 50-3/4")	*
	DGA20	7 blade gang bolt (order part #DGA67 - 60-1/4")	*
	DGA12	7 blade gang bolt (order part #DGA67 - 60-1/4")	*
	DGA21	8 blade gang bolt (order part #DGA68 - 69-1/2")	*
	DGA13	8 blade gang bolt (order part #DGA68 - 69-1/2")	*
	DGA22	9 blade gang bolt (order part #DGA69 - 78-3/4")	*
	DGA14	9 blade gang bolt (order part #DGA69 - 78-3/4")	*
	DGA23	10 blade gang bolt (order part #DGA70 - 87-3/4")	*
	DGA15	10 blade gang bolt (order part #DGA70 - 87-3/4")	*
	DGA24	11 blade gang bolt (order part #DGA71 - 97-1/2")	*
	DGA16	11 blade gang bolt (order part #DGA71 - 97-1/2")	*
	DGA25	12 blade gang bolt (order part #DGA72 - 106-3/4")	*
	DGA17	12 blade gang bolt (order part #DGA72 - 106-3/4")	*
	DGA26	13 blade gang bolt (order part #DGA73 - 115-3/4")	*
	DGA18	13 blade gang bolt (order part #DGA73 - 115-3/4")	*
		<u>GANG BOLTS FOR 10-1/2" SPACING DISCS</u>	
	DGA75	5 blade gang bolt - 47-1/2"	*
	DGA76	6 blade gang bolt - 58-1/2"	*
	DGA77	7 blade gang bolt - 69-1/4"	*
	DGA78	8 blade gang bolt - 80"	*
	DGA79	9 blade gang bolt - 90-3/4"	*
	DGA80	10 blade gang bolt - 101-3/4"	*
	DGA81	11 blade gang bolt - 112-1/2"	*
	DGA82	12 blade gang bolt - 123-1/4"	*
20	DGA35	Socket Wrench	*
21	DG18	U-Bolt (3/4" x 6")	*
22	DG83	3/8" x 3" cotter pin	*
		<u>STANDARD HARDWARE</u>	
23		1-1/2" x 1-1/2" N.C. Carriage head bolt	*
		1-1/2" x 2" N.C. Carriage head bolt - if sand guards are used	*
24		1/2" x 2" N.C. Hex bolt (for 211 bearing)	*
		1/2" x 2-1/4" N.C. Hex bolt - if sand guards are used (for 211 bearings)	*
25		5/8" x 2-1/4" N.C. Hex bolt (for 214 bearings)	*
		1/2" N.C. Hex bolt (for 210 & 211 bearings)	*
26		5/8" N.C. Hex bolt (for 214 bearings)	*
27		3/4" N.C. Hex nut	*
		1/2" Lockwasher (for 210 and 211 bearings)	*
28		5/8" Lockwasher (for 214 bearings)	*
		3/4" Lockwasher	*

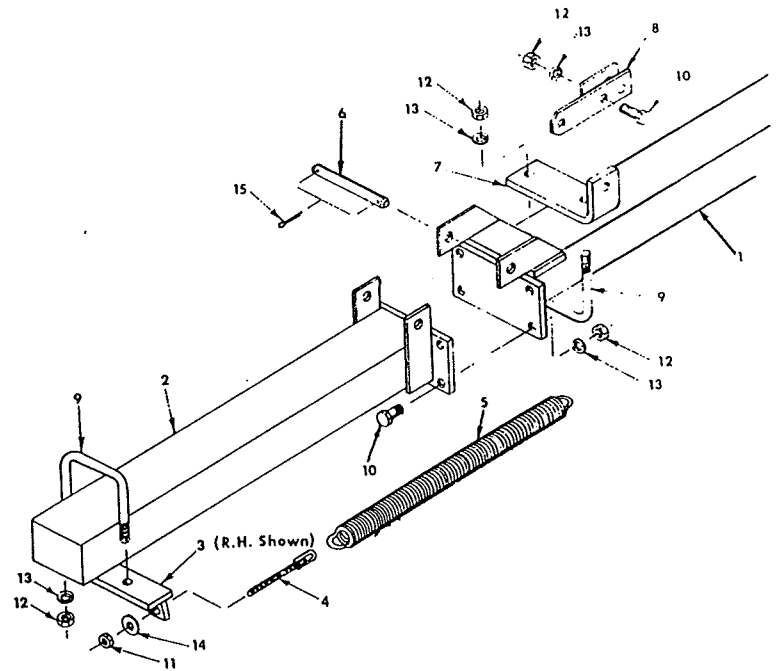
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MODEL 400 DISC



WING TYPE GANG BEAM (DOUBLE SPRING)

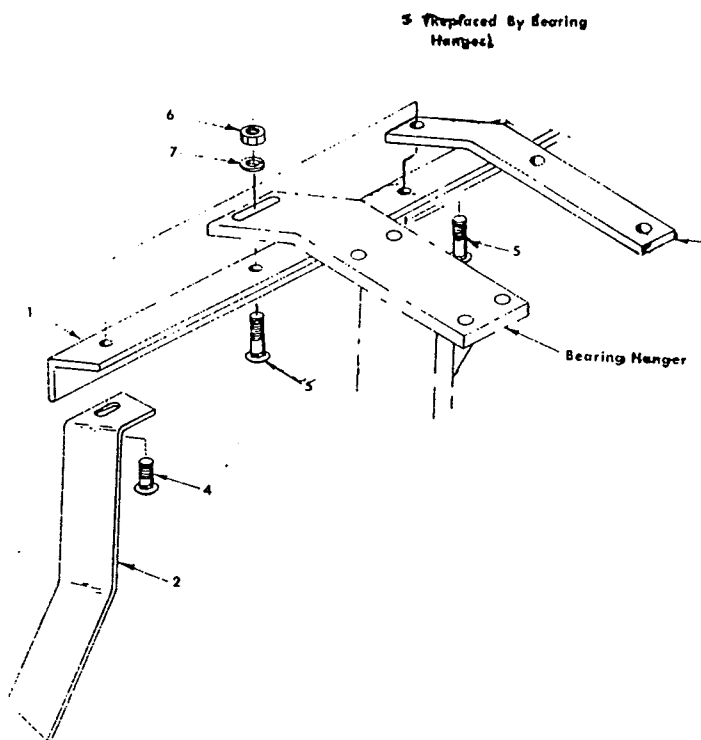
Ref. No.	Part No.	Description	Qty. Req'd
1	DBH58	Front Gang Beam - For 9" Spacing (50 Blade Disc)	2
	DBH76	Rear Gang Beam - For 9" Spacing (50 Blade Disc)	2
	DBH54	Front Gang Beam - For 10-1/2" Spacing (46 Blade Disc)	2
	DBH80	Rear Gang Beam - For 10-1/2" Spacing (46 Blade Disc)	2
2	DWA10	Flip-Up Wing - 9" Spacing Disc	4
	DWA14	Flip-Up Wing - 10-1/2" Spacing Disc	4
3	DWA13	I-Bolt	8
4	DWA12	Pivot Arm	8
5	DWA11	Lock Pin	4
6	DW29	Pivot Arm Support Bracket	4
7	DW24	Hinge Pin	4
8	DW31	Spring	8
9	DG18	U-Bolt (3/4" x 6")	4
10	DW25	Hair Pin Cotter	4
	STANDARD HARDWARE		
11		5/8" x 2-1/2" N.C. Hex Bolt	8
12		5/8" N.C. Hex Nut	16
13		3/4" N.C. Hex Nut	8
		5/8" Lockwasher	8
		3/4" Lockwasher	8
16		1-1/2" O.D. x 11/16" I.D. x 1/8" Flatwasher	8
17		1/4" x 2" Cotter Pin	8



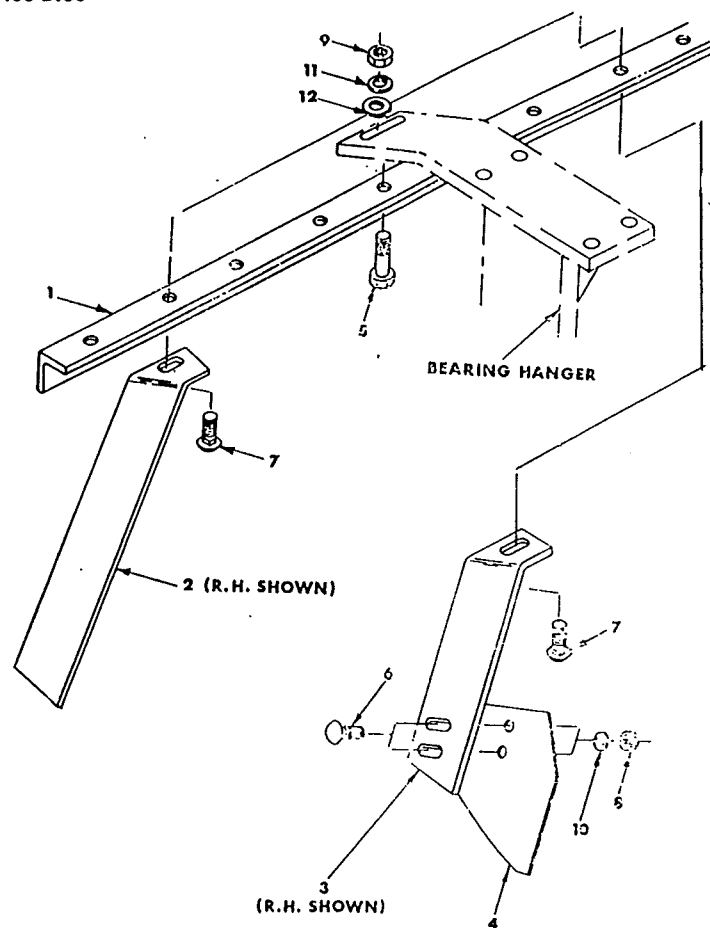
WING TYPE GANG BEAM (SINGLE SPRING)

Ref. No.	Part No.	Description	Qty. Req'd
1	DBH58-0	Front Gang Beam - For 9" Spacing (50 Blade Disc)	2
	DBH76-0	Rear Gang Beam - For 9" Spacing (50 Blade Disc)	2
2	DWA1	Flip-Up Wing - 9" Spacing Disc	4
3	DWA2	Wing Lift Bracket R.H.	2
	DWA3	Wing Lift Bracket L.H.	2
4	DWA4	I-Bolt	4
5	DW13	Spring	4
6	DW4	Hinge Pin	4
7	DW12	Pivot Arm Support Bracket	4
8	DWA5	Pivot Arm	4
9	DG18	U-Bolt (3/4" x 6")	8
	STANDARD HARDWARE		
10		3/4" x 2-1/2" N.C. Hex Bolt	20
11		5/8" N.C. Hex Nut	4
12		3/4" N.C. Hex Nut	36
13		3/4" Lockwasher	36
14		1-1/2" O.D. x 11/16" I.D. x 1/8" Flatwasher	4
15		1/4" x 1-1/2" Cotter Pin	8

MODEL 400 DISC



SCRAPER ASSEMBLY



SCRAPER ASSEMBLY (ALL PURPOSE AND WIDE PAN TYPE)

Ref. No.	Part No.	Description	Qty. Req'd
1	DG97	Scraper Bar - for 5 Blade Gang with 9" Spacing	*
	DG98	Scraper Bar - for 6 Blade Gang with 9" Spacing	*
	DG99	Scraper Bar - for 7 Blade Gang with 9" Spacing	*
	DG100	Scraper Bar - for 8 Blade Gang with 9" Spacing	*
	DG101	Scraper Bar - for 9 Blade Gang with 9" Spacing	*
	DG102	Scraper Bar - for 10 Blade Gang with 9" Spacing	*
	DG103	Scraper Bar - for 11 Blade Gang with 9" Spacing	*
	DG104	Scraper Bar - for 12 Blade Gang with 9" Spacing	*
	DG105	Scraper Bar - for 13 Blade Gang with 9" Spacing	*
	DG170	Scraper Bar - for 5 Blade Gang with 10-1/2" Spacing	*
	DG171	Scraper Bar - for 6 Blade Gang with 10-1/2" Spacing	*
	DG172	Scraper Bar - for 7 Blade Gang with 10-1/2" Spacing	*
	DG173	Scraper Bar - for 8 Blade Gang with 10-1/2" Spacing	*
	DG174	Scraper Bar - for 9 Blade Gang with 10-1/2" Spacing	*
	DG175	Scraper Bar - for 10 Blade Gang with 10-1/2" Spacing	*
	DG176	Scraper Bar - for 11 Blade Gang with 10-1/2" Spacing	*
	DG177	Scraper Bar - for 12 Blade Gang with 10-1/2" Spacing	*
2	DG111	L.H. Scraper - for Standard Disc Blade - Order Part #DG200	*
	DG110	R.H. Scraper - for Standard Disc Blade - Order Part #DG201	*
	DG113	L.H. Scraper - for Cone Disc Blade - Order Part #DG202	*
3	DG112	R.H. Scraper - for Cone Disc Blade - Order Part #DG203	*
	DG118	Scraper Bar Bracket - Bolted to Gang Beam with U-Bolt #DG18 (replaced by Bearing Hanger)	*
		STANDARD HARDWARE	
4		5/8" x 1-1/2" N.C. Carriage Head Bolt	*
5		5/8" x 2-1/4" N.C. Carriage Head Bolt	*
6		5/8" N.C. Hex Nut	*
7		5/8" Lockwasher	*

Ref. No.	Part No.	Description	Qty. Req'd
1	DG97	Scraper Bar - for 5 Blade Gang with 9" Spacing	*
	DG98	Scraper Bar - for 6 Blade Gang with 9" Spacing	*
	DG99	Scraper Bar - for 7 Blade Gang with 9" Spacing	*
	DG100	Scraper Bar - for 8 Blade Gang with 9" Spacing	*
	DG101	Scraper Bar - for 9 Blade Gang with 9" Spacing	*
	DG102	Scraper Bar - for 10 Blade Gang with 9" Spacing	*
	DG103	Scraper Bar - for 11 Blade Gang with 9" Spacing	*
	DG104	Scraper Bar - for 12 Blade Gang with 9" Spacing	*
	DG105	Scraper Bar - for 13 Blade Gang with 9" Spacing	*
	DG170	Scraper Bar - for 5 Blade Gang with 10-1/2" Spacing	*
	DG171	Scraper Bar - for 6 Blade Gang with 10-1/2" Spacing	*
	DG172	Scraper Bar - for 7 Blade Gang with 10-1/2" Spacing	*
	DG173	Scraper Bar - for 8 Blade Gang with 10-1/2" Spacing	*
	DG174	Scraper Bar - for 9 Blade Gang with 10-1/2" Spacing	*
	DG175	Scraper Bar - for 10 Blade Gang with 10-1/2" Spacing	*
	DG176	Scraper Bar - for 11 Blade Gang with 10-1/2" Spacing	*
	DG177	Scraper Bar - for 12 Blade Gang with 10-1/2" Spacing	*
2	DG204	L.H. All Purpose Scraper - for Standard Disc Blade	*
	DG205	R.H. All Purpose Scraper - for Standard Disc Blade	*
	DG206	L.H. All Purpose Scraper - for Cone Disc Blade	*
3	DG207	R.H. All Purpose Scraper - for Cone Disc Blade	*
	DG209	L.H. Wide Pan Scraper Holder	*
4	DG210	R.H. Wide Pan Scraper Holder	*
	DG208	Wide Pan Scraper Blade	*
		STANDARD HARDWARE	
5		5/8" x 2-1/4" N.C. Hex Bolt	*
6		1/2" x 1-1/4" N.C. Carriage Bolt	*
7		5/8" x 1-1/2" N.C. Carriage Bolt	*
8		1/2" N.C. Hex Nut	*
9		5/8" N.C. Hex Nut	*
10		1/2" Lockwasher	*
11		5/8" Lockwasher	*
12		1-3/4" Flatwasher	*

*As Required

MODEL 500 DISC

PARTS LIST INDEX

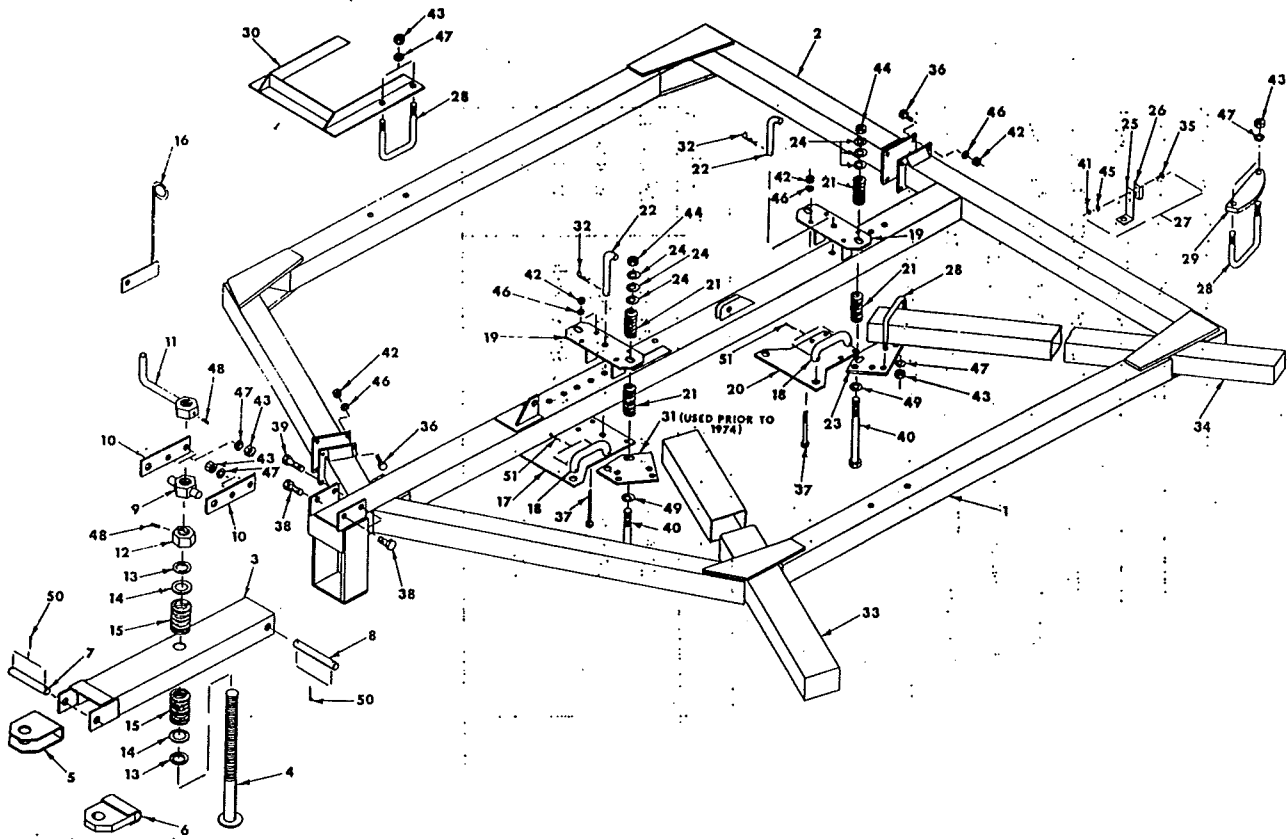
Description	Page
Frame, Hitch and Solid Gang Beam	1
Rockshaft and Wheel	2
Center Tooth - See Page 3 of Model 400 Parts List in this Book	-
Disc Gang - See Page 4 of Model 400 Parts List in this Book	-
Field Installed Outrigger	-
Wing Type Gang Beam (Double Spring)	3
Wing Type Gang Beam (Single Spring)	4
Scraper - See Page 6 of Model 400 Parts List in this Book	-

PAINT AND DECALS

Part No.	Description	Qty. Req'd.
L001	Ezee-On Yellow Paint - 1 Qt. Can	*
L002	Ezee-On Yellow Paint - ½ Pint	*
L003	Ezee-On Yellow Paint - Spray Bomb	*
L010	Ezee-On Decal	3

* As Required

MODEL 500 DISC



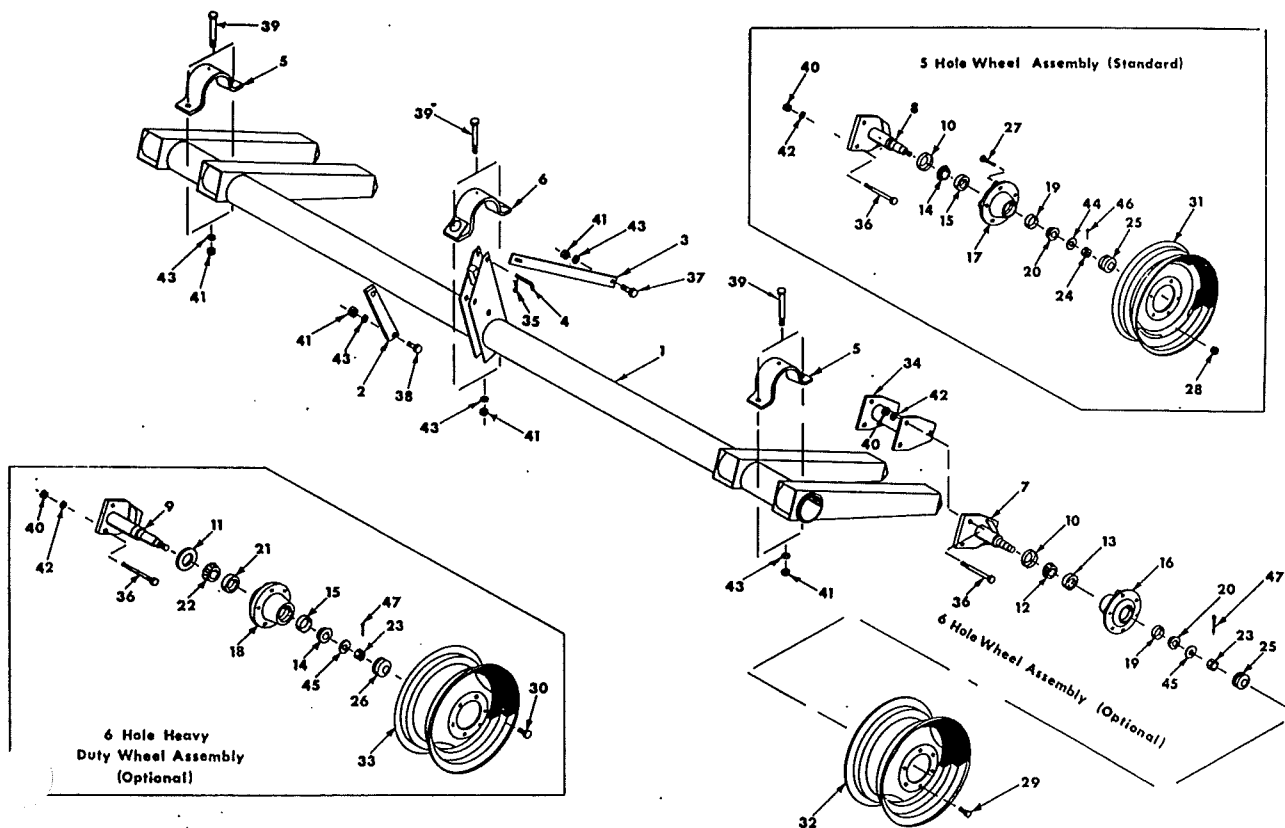
FRAME, HITCH & SOLID GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1 & 2	DFB15	L.H. & R.H. Frame Halves	1
3	DHA1	Tongue	1
4	DHA2	Threaded Shaft	1
5	DHA5	Clevis	1
6	DHA6	Male Hitch (Optional)	1
7	DH30	Front Hitch Pin	1
8	DH12	Rear Hitch Pin	1
9	DHA4	Swivel Nut	1
10	DH15	Hitch Support Plate	2
11	DHA3	Crank	1
12	DH5	2\" N.C. Heavy Hex Nut - Drilled	1
13	DC15	Thrust Bearing - Timken T199	2
14	DC13	Cup	2
15	DH1	Hitch Spring	2
16	DFA15	Hose Support	1
17	DF23	Bottom Plate - Front	1
18	DF29	Connecting Link	4
19	DFA7	Top Plate	2
20	DF28	Bottom Plate - Rear	1
21	DF22	Spring	8
	DF20	Order Part No. DF22	8
	DF21	Order Part No. DF22	8
22	DF37	Pin	2
23	DG17	Mount Plate - Rear	2
24	DF49	2\" O.D. x 1-1/32\" I.D. x 3/16\" Washer	12
25	DF16	SMV Sign Support	1
26	DF54	SMV Sign Clip	1
27	DFA16	SMV Sign Support & Clip Bolted	1
28	DG18	U-Bolt	*
29	DG160	Thrust Block	4

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
30	DGA36	Gang Beam Stabilizer	4
31	DG10	Front Mount Plate (Used on some earlier discs)	2
32	DR129	Hair Pin Cotter	2
33		<u>FRONT GANG BEAM FOR 9\" SPACING DISC</u>	
	DBS98	98\" Solid Gang Beam - 50 Blade Disc	2
	DBS107	107\" Solid Gang Beam - 54 Blade Disc	2
		<u>FRONT GANG BEAM FOR 10-1/2\" SPACING DISC</u>	
34	DBS107	107\" Solid Gang Beam - 46 Blade Disc	2
		<u>REAR GANG BEAMS FOR 9\" SPACING DISC</u>	
	DBS112	112\" Solid Gang Beam - 50 Blade Disc	2
	DBS120	120\" Solid Gang Beam - 54 Blade Disc	2
		<u>REAR GANG BEAMS FOR 10-1/2\" SPACING DISC</u>	
	DBS130	130\" Solid Gang Beam - 46 Blade Disc	2
35		5/16\" x 3/4\" N.C. Carriage Bolt	1
36		5/8\" x 1-3/4\" N.C. Hex Bolt	8
37		5/8\" x 7\" N.C. Hex Bolt	8
38		3/4\" x 2-1/2\" N.C. Hex Bolt	3
39		3/4\" x 3\" N.C. Hex Bolt	1
40		1\" x 12\" N.C. Hex Bolt	4
41		5/16\" N.C. Hex Nut	2
42		5/8\" N.C. Hex Nut	16
43		3/4\" N.C. Hex Nut	*
44		1\" N.C. Hex Nut	4
45		5/16\" Lockwasher	2
46		5/8\" Lockwasher	16
47		3/4\" Lockwasher	*
48		1/2\" x 1\" N.C. Sq. Hd. Set Screw	2
49		2\" O.D. x 1-1/16\" I.D. x 1/8\" Flatwasher	4
50		1/4\" x 2\" Cotter Pin	4
51		5/16\" x 2\" Cotter Pin	8

MODEL 500 DISC



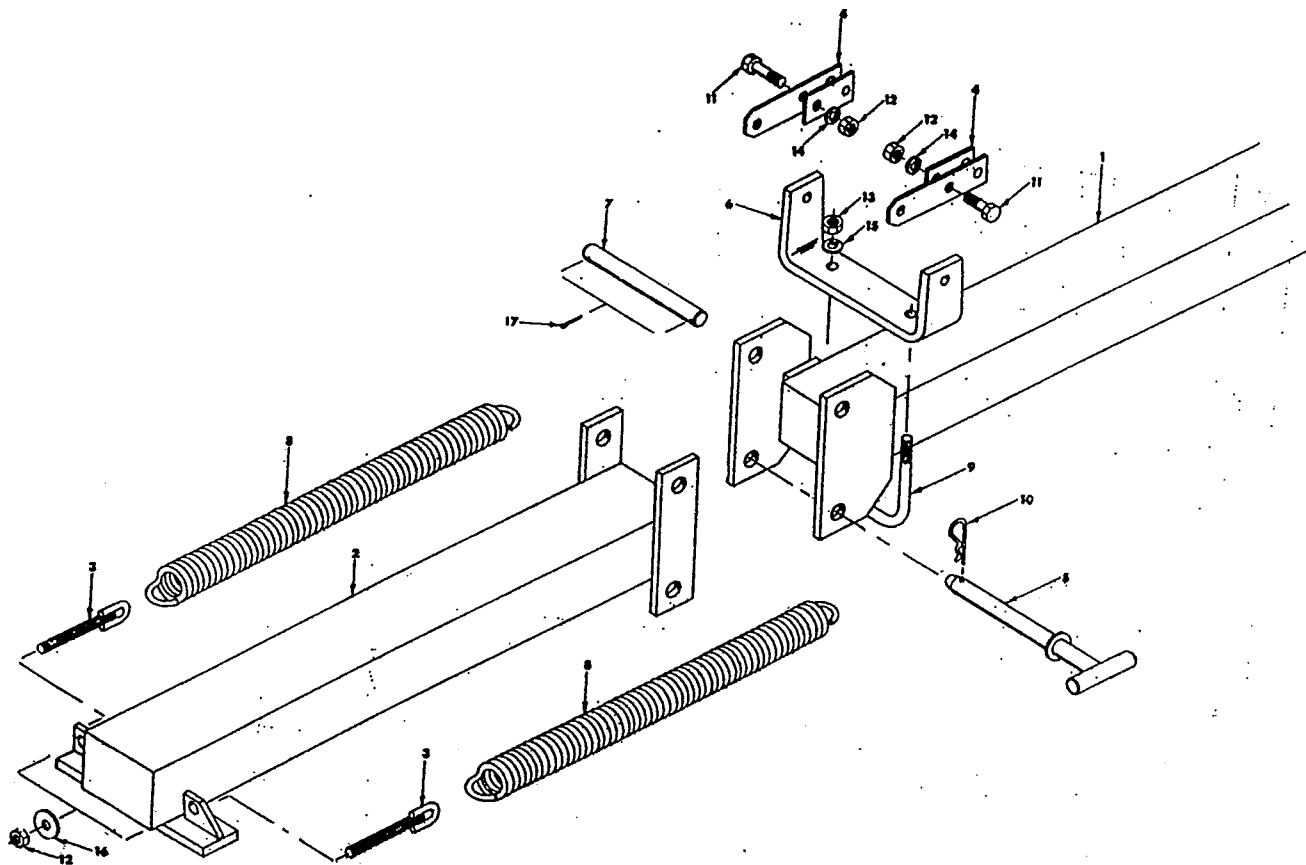
ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA15	Rockshaft	1
2	DR72	Pivot Strap	1
3	DR73	Lock-up Strap	1
4	DR96	Lock Pin	1
5	DF41	Outside Bearing	2
6	DFA40	Center Bearing	1
7	DRA6	Aide Assembly	*
8	DRA2	Aide Assembly	*
9	DRA8	Aide Assembly	*
10	DRA85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM 29749	*
13	DR106	Cup #LM 29710	*
14	DR91	Cone Bearing #LM 48548	*
15	DR92	Cup #LM 48510	*
16	DRA7	Hub c/w cups	*
17	DRA3	Hub c/w cups	*
18	DRA9	Hub c/w cups	*
19	DR90	Cup #LM 67010	*
20	DR89	Cone Bearing #LM 67048	*
21	DR118	Cup #LM 25520	*
22	DR120	Cone Bearing #LM 25580	*
23	DR110	1" N.F. Hex Slotted Nut	*
24	DR82	3/4" N.F. Hex Slotted Nut	*
25	DR88	Hub Cap	*
26	DR123	Hub Cap	*

Ref. No.	Part No.	Description	Qty. Re'd
27	DR87	Wheel Bolt	*
28	DR86	Tapered Wheel Nut 1/2" N.F.	*
29	DR111	Wheel Stud	*
30	DR125	Wheel Stud	*
31	DR93	15" x 5" - 5 hole rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 hole rim (use 7.60 x 15 tire)	*
33	DR127	15" x 8" - 6 hole rim (use 9.5L x 15 tire)	*
34	DR127	15" x 8" - 6 hole rim (use 9.5L x 15 tire or 11L x 15 tire)	*
35	DRA16	Wheel Leg Spacer	*
	DR129	Hair Pin Cotter	*
		STANDARD HARDWARE	
36		5/8" x 6" N.C. Hex Bolt	6
37		3/4" x 2-1/2" N.C. Hex Bolt	1
38		3/4" x 3" N.C. Hex Bolt	1
39		3/4" x 6" N.C. Hex Bolt	6
40		5/8" N.C. Hex Nut	6
41		3/4" N.C. Hex Nut	8
42		5/8" Lockwasher	6
43		3/4" Lockwasher	8
44		1-3/4" O.D. x 13/16" I.D. x 1/8" Flatwasher	*
45		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
46		3/16" x 1" Cotter Pin	*
47		3/16" x 1-1/4" Cotter Pin	*
Not Shown	10GN1	Grease Nipple	*

* As Required

MODEL 500 DISC

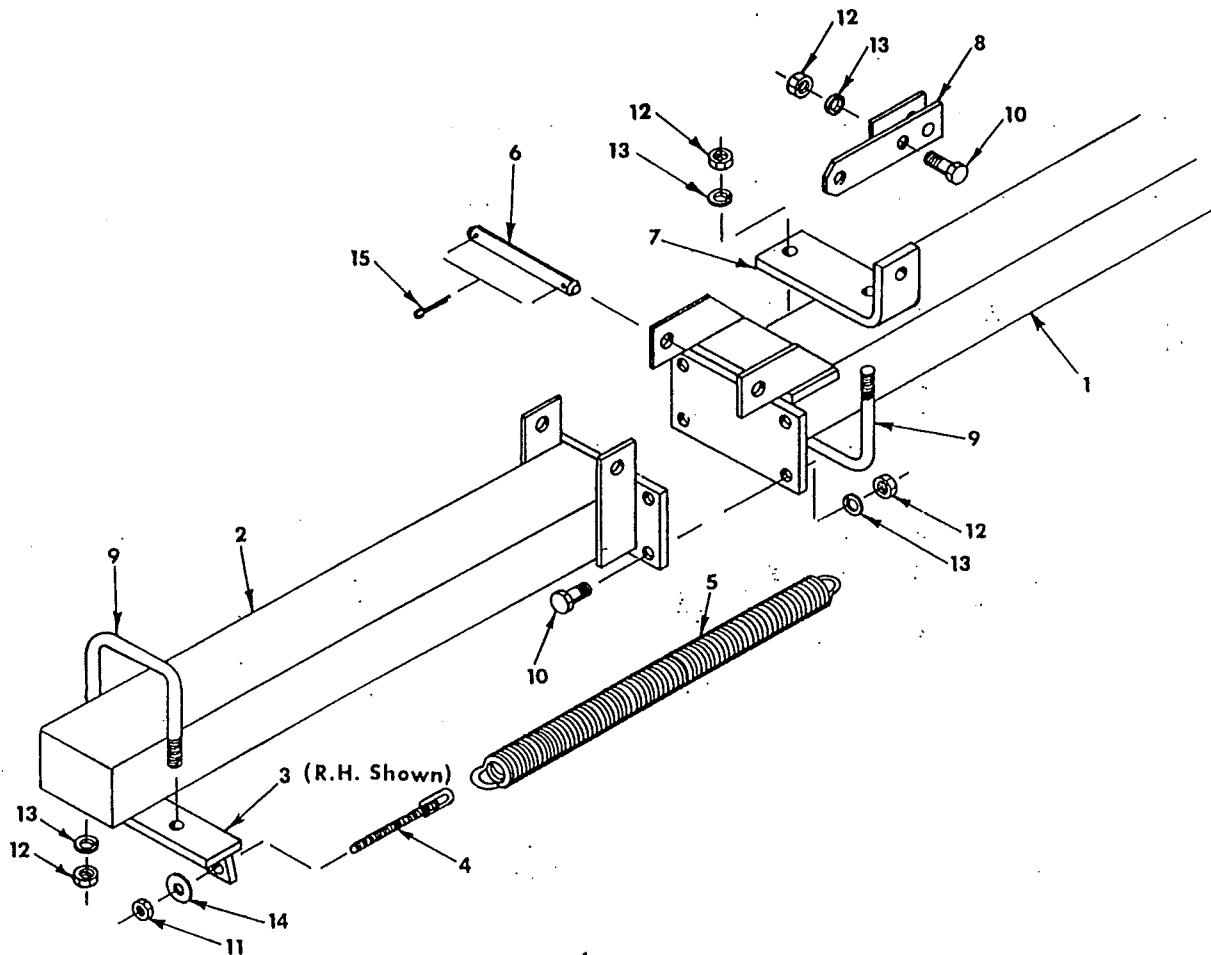


WING TYPE BEAM - DOUBLE SPRING

Ref. No.	Part No.	Description	Qty. Req'd
1	DBH66	66" Front Gang Beam - For 9" Spacing 54 Blade Disc	2
	DBH87	87" Front Gang Beam - For 9" Spacing 54 Blade Disc	2
	DBH75	75" Front Gang Beam - For 9" Spacing 58 Blade Disc	2
	DBH97	97" Front Gang Beam - For 9" Spacing 58 Blade Disc	2
	DBH66	66" Front Gang Beam - For 10-1/2" Spacing 50 Blade Disc	2
	DBH90	90" Front Gang Beam - For 10-1/2" Spacing 50 Blade Disc	2
2	DWA10	Flip-Up Wing - 9" Spacing Disc	4
	DWA14	Flip-Up Wing - 10-1/2" Spacing Disc	4
3	DWA13	I-Bolt - 9" Spacing Disc	8
	DWA15	I-Bolt - 10-1/2" Spacing Disc	8
4	DWA12	Pivot Arm	8
5	DWA11	Lock Pin	4
6	DW29	Pivot Arm Support	4
7	DW24	Hinge Pin	4
8	DW31	Spring	8
9	DG18	U-Bolt	4

Ref. No.	Part No.	Description	Qty. Re'd
10	DW25	Hair Pin Cotter	4
		<u>STANDARD HARDWARE</u>	
11		5/8" x 2-1/2" N.C. Hex Bolt	8
12		5/8" N.C. Hex Nut	16
13		3/4" N.C. Hex Nut	8
14		5/8" Lockwasher	8
15		3/4" Lockwasher	8
16		1-1/2" O.D. x 11/16" I.D. x 1/8" Flatwasher	8
17		1/4" x 2" Cotter Pin	8

MODEL 500 DISC

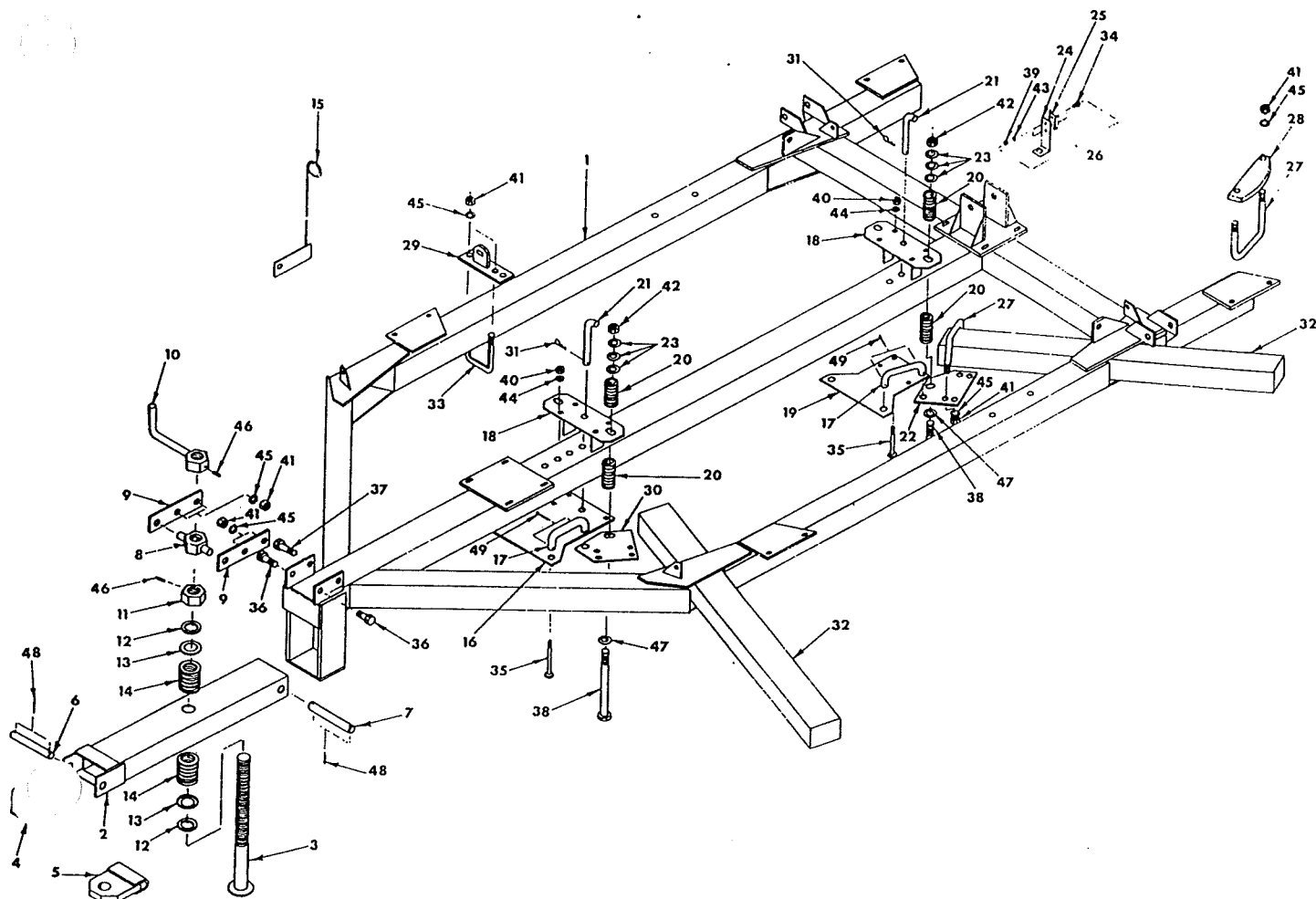


WING TYPE BEAM - SINGLE SPRING

Ref. No.	Part No.	Description	Qty. Req'd
1	DBH66-0	66" Front Gang Beam - For 9" Spacing 54 Blade Disc	2
	DBH87-0	87" Front Gang Beam - For 9" Spacing 54 Blade Disc	2
	DBH75-0	75" Front Gang Beam - For 9" Spacing 58 Blade Disc	2
	DBH97-0	97" Front Gang Beam - For 9" Spacing 58 Blade Disc	2
2	DWA1	Flip-Up Wing - 9" Spacing	4
	DWA2	Wing Lift Bracket R.H.	2
	DWA3	Wing Lift Bracket L.H.	2
4	DWA4	I-Bolt	4

Ref. No.	Part No.	Description	Qty. Re'd
5	DW13	Spring	4
6	DW4	Hinge Pin	4
7	DW12	Pivot Arm Support Bracket	4
8	DWA5	Pivot Arm	4
9	DG18	U-Bolt	8
<u>STANDARD HARDWARE</u>			
10		3/4" x 2-1/2" N.C. Hex Bolt	20
11		5/8" N.C. Hex Nut	4
12		3/4" N.C. Hex Nut	36
13		3/4" Lockwasher	36
14		1-1/2" O.D. x 11/16" I.D. x 1/8" Flatwasher	4
15		1/4" x 1-1/2" Cotter Pin	8

MODEL 600 TANDEM DISC

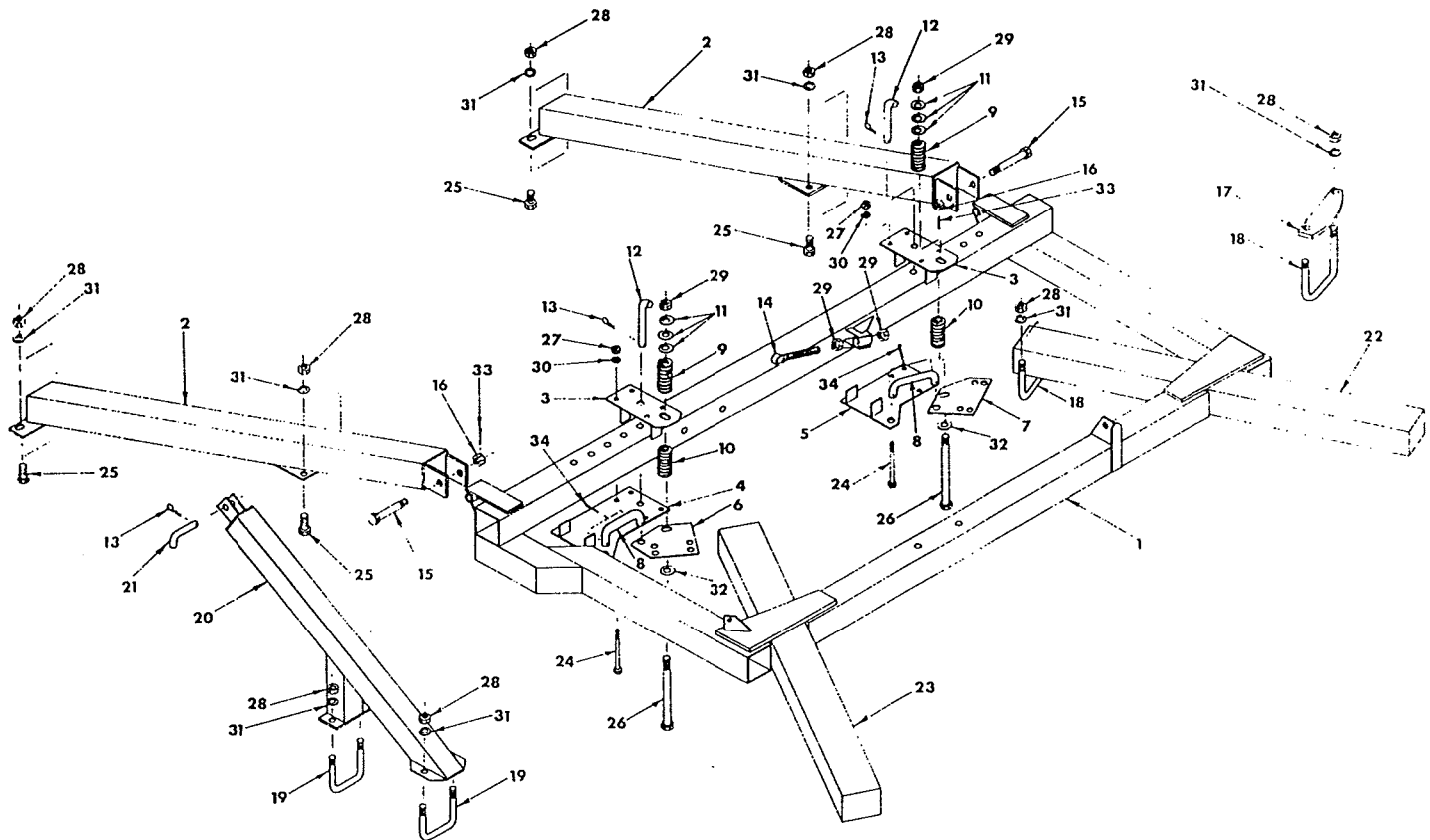


CENTER FRAME, HITCH AND GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFA42	Center Frame	1	27	DG18	U-Bolt	8
2	DHA1	Tongue	1	28	DG160	Thrust Block	4
3	DHA2	Threaded Shaft	1	29	DHA29	Anchor Bracket	2
4	DHA5	Clevis	1	30	DG10	Front Mount Plate (used on some earlier Discs)	2
5	DHA6	Male Hitch (Optional)	1	31	DG129	Hair Pin Cotter	2
6	DH30	Front Hitch Pin	1	32	DBS52	52\" Gang Beam	4
7	DH12	Rear Hitch Pin	1	33	DW78	U-Bolt	2
8	DHA4	Swivel Nut	1	34		5/16\" x 3/4\" N.C. Carriage Bolt	2
9	DH15	Hitch Support Plate	2	35		5/8\" x 7\" N.C. Hex Bolt	8
10	DHA3	Crank	1	36		3/4\" x 2-1/2\" N.C. Hex Bolt	3
11	DH5	2\" N.C. Heavy Hex Nut (Drilled)	1	37		3/4\" x 3\" N.C. Hex Bolt	1
12	DC15	Thrust Bearing - Timken # T199	2	38		1\" x 12\" N.C. Hex Bolt	4
13	DC13	Cup	2	39		5/16\" N.C. Hex Bolt	2
14	DH1	Hitch Spring	2	40		5/8\" N.C. Hex Nut	8
15	DFA15	Hose Support	1	41		3/4\" N.C. Hex Nut	*
16	DF23	Bottom Plate - Front	1	42		1\" N.C. Hex Nut	4
17	DF29	Connecting Link	4	43		5/16\" Lockwasher	2
18	DFA7	Top Plate	2	44		5/8\" Lockwasher	8
19	DF28	Bottom Plate - Rear	1	45		3/4\" Lockwasher	*
20	DF22	Spring	8	46		1/2\" x 1\" N.C. Square Head Set Screw	2
21	DF37	Pin	2	47		2\" O.D. x 1-1/16\" I.D. x 1/8\" Flatwasher	4
	DG17	Mount Plate - Rear	2	48		1/4\" x 2\" Cotter Pin	4
	DF49	2\" O.D. x 1-1/32\" L.D. x 3/16\" Washer	12	49		5/16\" x 2\" Cotter Pin	8
	DF16	SMV Sign Support	1				
25	DF54	SMV Sign Clip	1				
26	DFA16	SMV Sign Support and Clip Bolted	1				

* As Required

MODEL 600 TANDEM DISC

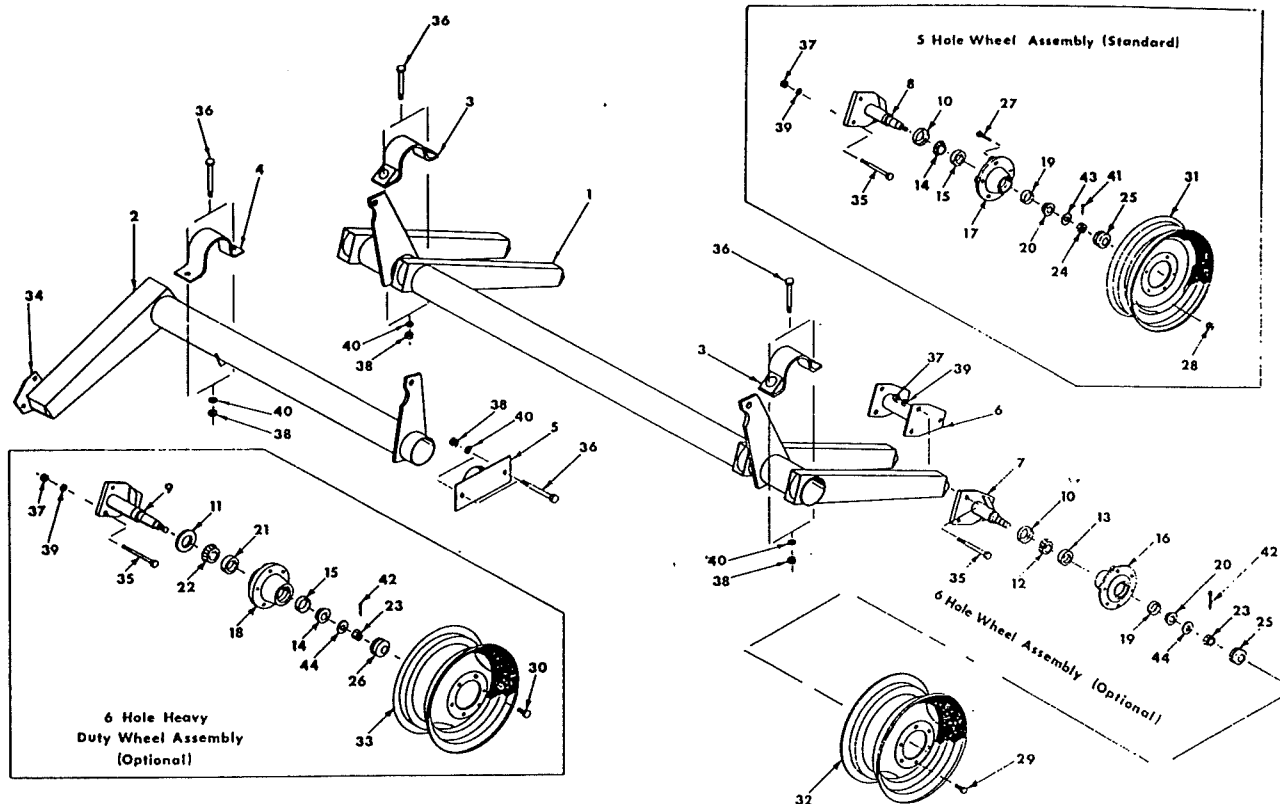


WING FRAME, HINGE BEAM AND GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DWA16	L.H. Wing Frame (Shown)	1
	DWA17	R.H. Wing Frame	1
2	DWA24	L.H. Hinge Beam (Shown)	2
	DWA25	R.H. Hinge Beam	2
3	DWA19	Top Plate - Wing	4
4	DWA22	L.H. Bottom Plate - Front (Shown)	1
	DWA20	R.H. Bottom Plate - Front	1
5	DWA23	L.H. Bottom Plate - Rear (Shown)	1
	DWA21	R.H. Bottom Plate - Rear	1
6	DG10	Front Mount Plate	2
7	DG17	Rear Mount Plate	2
8	DF29	Connecting Link	4
9	DF22	Top Spring	4
10	DW34	Bottom Spring	4
11	DF49	2" O.D. x 1-1/32" x 3/16" Washer	12
12	DF37	Pin	4
13	DR129	Hair Pin Cotter	6
14	DWA18	I-Bolt	2
15	L1587	1" x 6" N.C. Hex Bolt (Drilled for Cotter Pin)	4
16	L1574	1" N.C. Slotted Hex Nut	4
17	DG150	Thrust Block	4
18	DG18	U-Bolt	8
19	DW78	U-Bolt	4
20	DWA28	Wing Lock-Up Bracket	2
	DR96	Lock Pin	2

Ref. No.	Part No.	Description	Qty. Req'd
22		REAR GANG BEAM	
	DBS62	62" Gang Beam - 60 Blade Disc	2
	DBS71	71" Gang Beam - 64 Blade Disc	2
	DBS80	80" Gang Beam - 68 Blade Disc	2
	DBS89	89" Gang Beam - 72 Blade Disc	2
23		FRONT GANG BEAM	
	DBS52	52" Gang Beam - 60 Blade Disc	2
	DBS62	62" Gang Beam - 64 Blade Disc	2
	DBS71	71" Gang Beam - 68 Blade Disc	2
	DBS80	80" Gang Beam - 72 Blade Disc	2
24		5/8" x 7" N.C. Hex Bolt	16
25		3/4" x 2" N.C. Hex Bolt	16
26		1" x 12" N.C. Hex Bolt	4
27		5/8" N.C. Hex Nut	16
28		3/4" N.C. Hex	40
29		1" N.C. Hex Nut	8
30		5/8" Lockwasher	16
31		3/4" Lockwasher	40
32		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
33		3/16" x 1-1/2" Cotter Pin	4
34		5/16" x 2" Cotter Pin	8
Not Shown	10GN1	1/4" - 28" Grease Fitting (Installed in Wing Hinge)	4

MODEL 600 TANDEM DISC



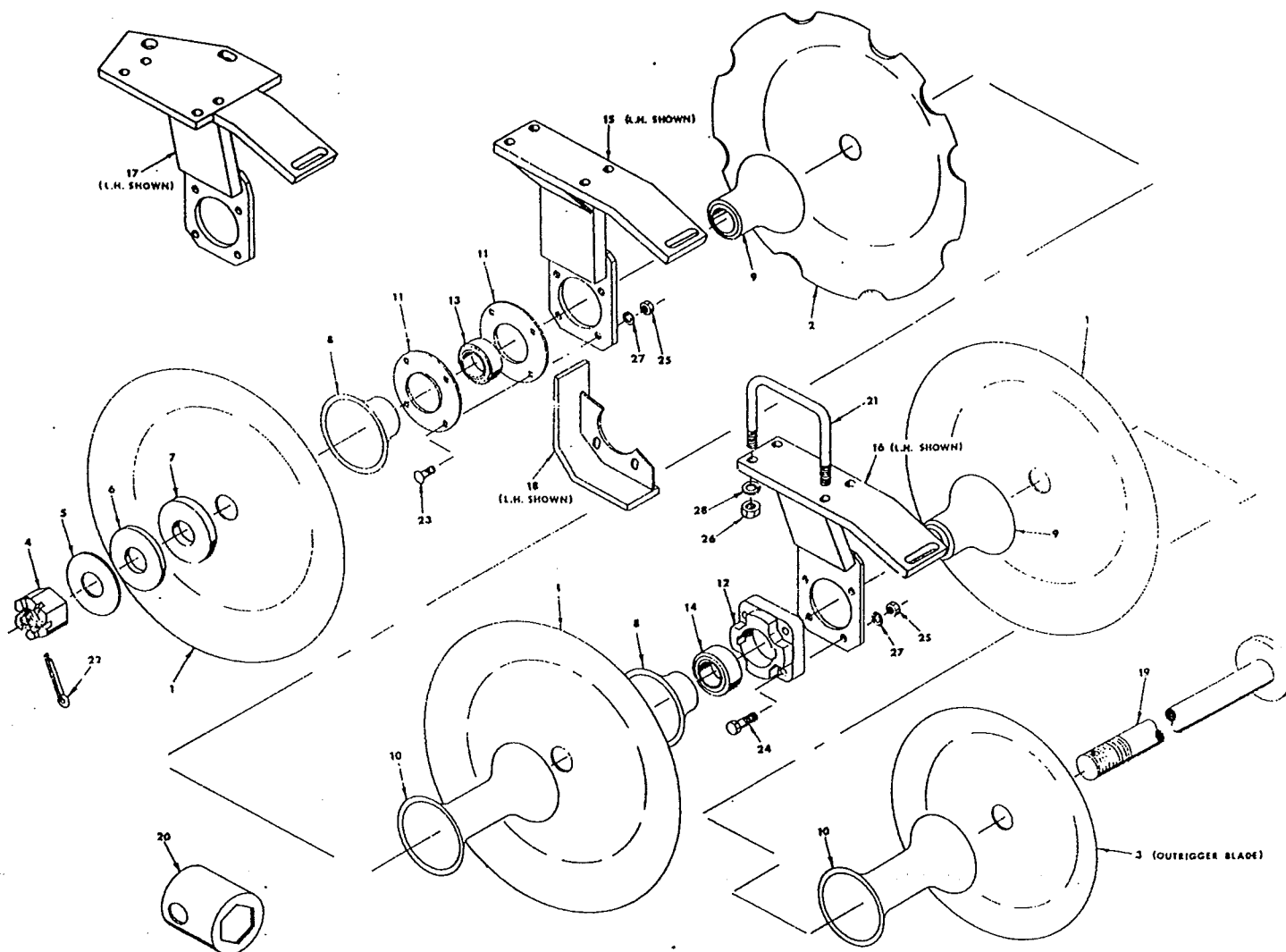
ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA17	Center Rockshaft	1
2	DRA18	L.H. Wing Rockshaft - Shown	1
	DRA19	R.H. Wing Rockshaft	1
3	DFA40	Center Rockshaft Bearing	2
4	DF41	Outside Bearing - Wing Rockshaft	2
5	DRA22	Inside Bearing - Wing Rockshaft	2
6	DRA16	Wheel Leg Spacer	2
7	DRA6	Axle Assembly	*
8	DRA2	Axle Assembly	*
9	DRA8	Axle Assembly	*
10	DR85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM29749	*
13	DR106	Cup #LM29710	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
16	DRA7	Hub c/w cups	*
17	DRA3	Hub c/w cups	*
18	DRA9	Hub c/w cups	*
19	DR90	Cup #LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #LM25520	*
22	DR120	Cone Bearing #LM25580	*
23	DR110	1" N.F. Hex Slotted Nut	*
2	DR82	3/4" N.F. Hex Slotted Nut	*
25	DR88	Hub Cap	*

Ref. No.	Part No.	Description	Qty. Req'd
26	DR123	Hub Cap	*
27	DR87	Wheel Bolt	*
28	DR86	Tapered Wheel Nut 1/2" N.F.	*
29	DR111	Wheel Stud	*
30	DR125	Wheel Stud	*
31	DR93	15" x 6" - 5 Hole Rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 Hole Rim (use 7.60 x 15 tire)	*
33	DR127	15" x 8" - 6 Hole Rim (use 9.5L x 15 tire or use 11L x 15 tire)	*
34	DR76	Axle Backing Plate	2
STANDARD HARDWARE			
35		5/8" x 4-1/2" N.C. Hex Bolt - Center Frame	12
		5/8" x 6" N.C. Hex Bolt - Wing Rockshaft	6
36		3/4" x 6" N.C. Hex Bolt	12
37		5/8" N.C. Hex Nut	18
38		3/4" N.C. Hex Nut	12
39		5/8" Lockwasher	18
40		3/4" Lockwasher	12
41		3/16" x 1" Cotter Pin	*
42		3/16" x 1-1/4" Cotter Pin	*
43		1-3/4" O.D. x 13/16" I.D. x 1/8" Flatwasher	*
44		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
Not Shown	10GN1	1/4" x 28" Grease Nipples	12

*As Required

MODEL 600 TANDEM DISC



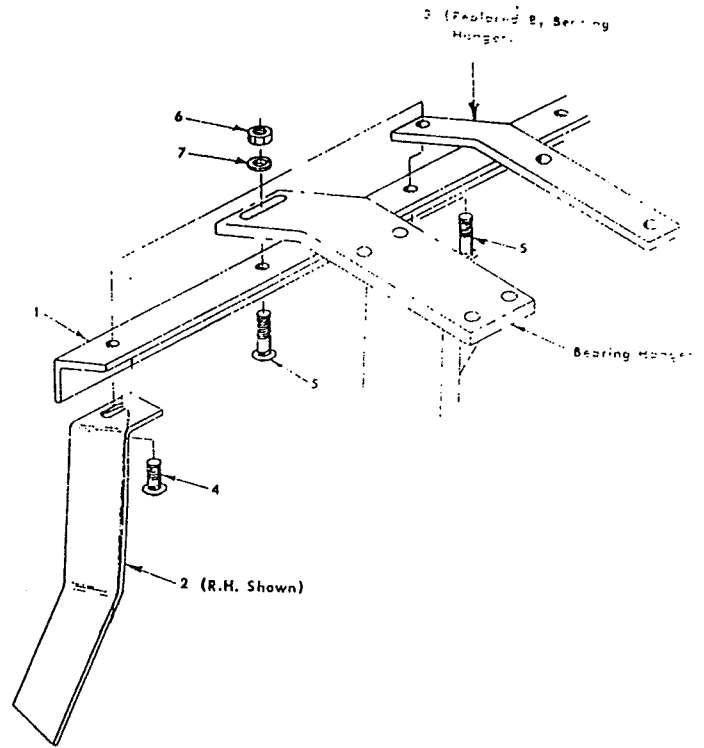
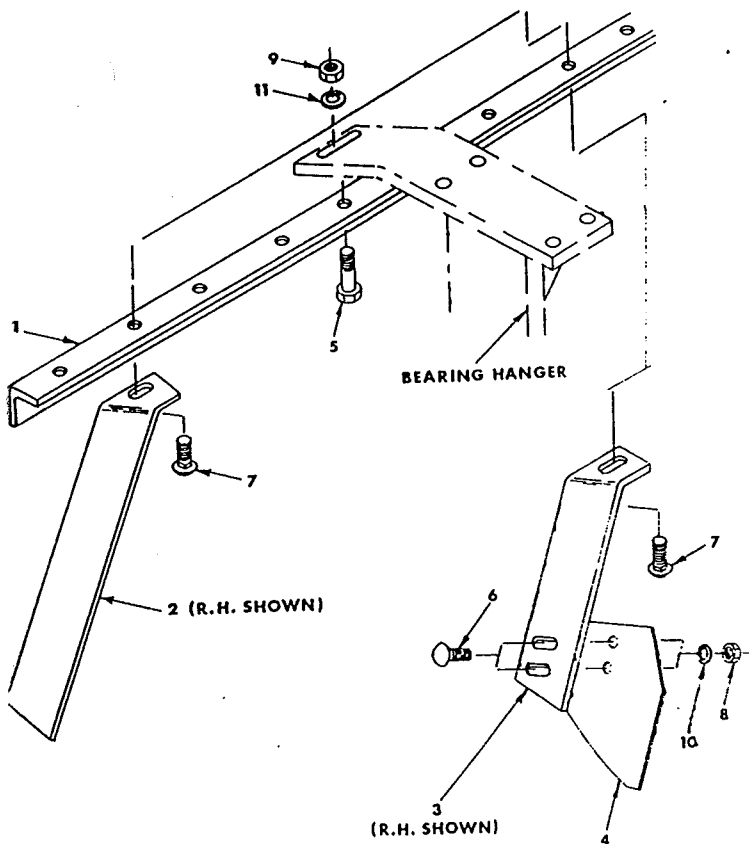
DISC GANG

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 6 ga. Standard Disc Blade - Solid	*
	DG64	22" x 1/4" Standard Disc Blade - Solid	*
2	DG68	24" x 1/4" Standard Disc Blade - Solid	*
	DG63	22" x 6 ga. Standard Disc Blade - Notched	*
	DG65	22" x 1/4" Standard Disc Blade - Notched	*
	DG67	24" x 6 ga. Standard Disc Blade - Notched	*
	DG69	24" x 1/4" Standard Disc Blade - Notched	*
	DG152	22" x 1/4" Cone Disc Blade - Notched	*
	DG154	24" x 1/4" Cone Disc Blade - Notched	*
3	DG133	18" x 7 ga. Outrigger Blade	*
	DG62	22" x 6 ga. Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	5" O.D. x 2" I.D. x 1/4" Shim Washer	*
6	DG88	5" O.D. x 2" I.D. x 1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG6	9" Spacing Short 1/4" Spool	*
9	DG5	9" Spacing Long 1/4" Spool	*
10	DG2	9" Spool	*
11	DG91	Standard Flangette for 210 Series Bearing	*
	DG93	Heavy Duty Flangette for 210 Series Bearing	*
12	DG92	Bearing Housing for 210 Series Bearing	*
	DG94	Bearing Housing for 211 Series Bearing	*
13	DG90	210 Series Sealed Bearing	*
14	DG34	210 Series Greaseable Bearing	*
	DG95	211 Series Greaseable Bearing	*
15	DGA6	L.H. Straight Bearing Hanger - Short (Used 1973 and prior)	*
	DGA7	R.H. Straight Bearing Hanger - Short (Used 1973 and prior)	*
	DGA53	L.H. Straight Bearing Hanger - Long (Used 1974 and later)	*
	DGA54	R.H. Straight Bearing Hanger - Long (Used 1974 and later)	*

Ref. No.	Part No.	Description	Qty. Req'd
16	DGA8	R.H. Offset Bearing Hanger - Short (Used 1973 and prior)	*
	DGA9	L.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
	DGA47	R.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
	DGA48	L.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
17	DGA49	L.H. Spring Mount Bearing Hanger - Long (Used 1974 and later)	*
	DGA50	R.H. Spring Mount Bearing Hanger - Long (Used 1974 and later)	*
	DGA51	R.H. Spring Mount Bearing Hanger - Short (Used 1973 and prior)	*
	DGA52	L.H. Spring Mount Bearing Hanger - Short (Used 1973 and prior)	*
18	DGA37	R.H. Sand Guard (California Only)	*
	DGA38	L.H. Sand Guard (California Only)	*
19	DGA67	7 Blade Gang Bolt - 60"	*
	DGA68	8 Blade Gang Bolt - 69"	*
	DGA69	9 Blade Gang Bolt - 78-1/4"	*
	DGA70	10 Blade Gang Bolt - 87-1/4"	*
	DGA71	11 Blade Gang Bolt - 96-3/4"	*
20	DGA35	Socket Wrench	1
21	DG18	U-Bolt (3/4" x 6")	*
22	DG83	3/8" x 3" Cotter Pin	*
23		STANDARD HARDWARE	
		1/2" x 1-1/2" N.C. Carriage Head Bolt	*
		1/2" x 2" N.C. Carriage Head Bolt - if sand guards are used	*
24		1/2" x 2" N.C. Hex Bolt	*
		1/2" x 2-1/4" N.C. Hex Bolt - if sand guards are used	*
25		1/2" N.C. Hex Nut	*
26		3/4" N.C. Hex Nut	*
27		1/2" Lockwasher	*
28		3/4" Lockwasher	*

* As Required

MODEL 600 TANDEM DISC



SCRAPER ASSEMBLY
(All Purpose, Wide Pan Type) - 1974 and Later

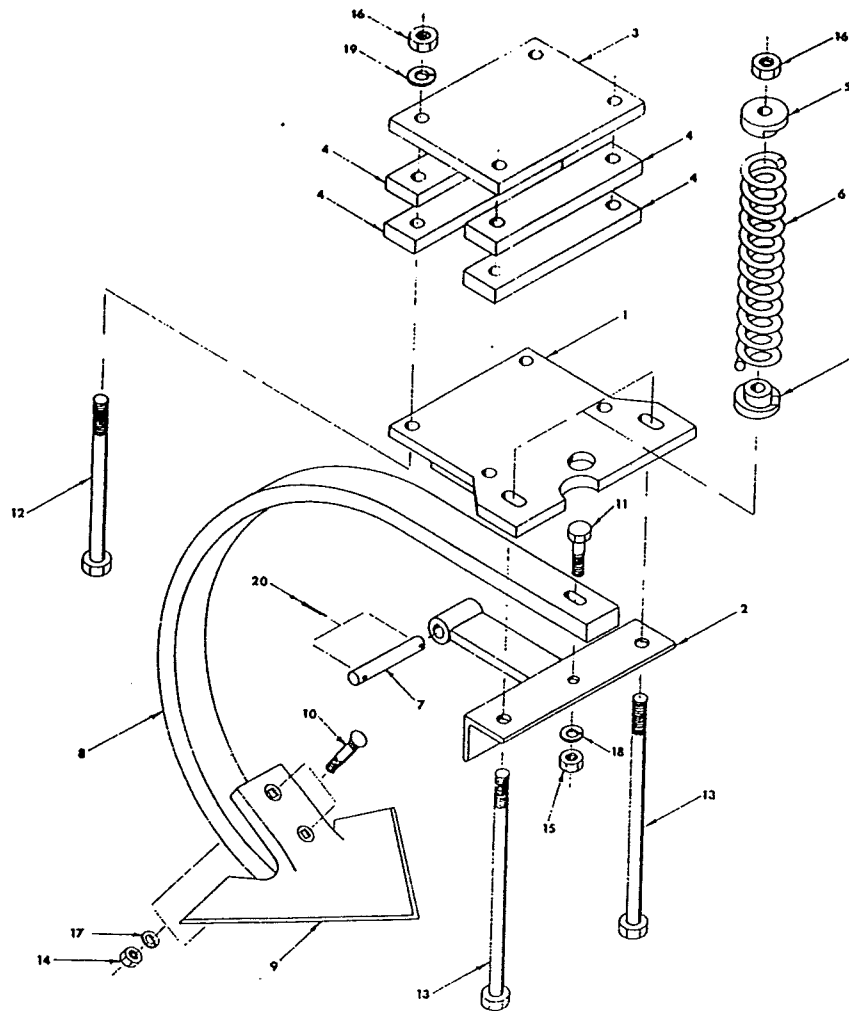
Ref. No.	Part No.	Description	Qty. Req'd
1	DG99	Scraper Bar - for 7 Blade Gang	*
	DG100	Scraper Bar - for 8 Blade Gang	*
	DG101	Scraper Bar - for 9 Blade Gang	*
	DG102	Scraper Bar - for 10 Blade Gang	*
	DG103	Scraper Bar - for 11 Blade Gang	*
2	DG204	L.H. All Purpose Scraper - for Standard Disc Blade	*
	DG205	R.H. All Purpose Scraper - for Standard Disc Blade	*
	DG206	L.H. All Purpose Scraper - for Cone Disc Blade	*
	DG207	R.H. All Purpose Scraper - for Cone Disc Blade	*
3	DG209	L.H. Wide Pan Scraper Holder	*
	DG210	R.H. Wide Pan Scraper Holder	*
4	DG208	Wide Pan Scraper	*
	STANDARD HARDWARE		
5		5/8" x 2" N.C. Hex Bolt	*
6		1/2" x 1-1/4" N.C. Carriage Bolt	*
7		5/8" x 1-1/2" N.C. Carriage Bolt	*
8		1/2" N.C. Hex Nut	*
9		5/8" N.C. Hex Nut	*
10		1/2" Lockwasher	*
11		5/8" Lockwasher	*

SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG99	Scraper Bar - for 7 Blade Gang	*
	DG100	Scraper Bar - for 8 Blade Gang	*
	DG101	Scraper Bar - for 9 Blade Gang	*
	DG102	Scraper Bar - for 10 Blade Gang	*
	DG103	Scraper Bar - for 11 Blade Gang	*
2	DG200	L.H. Scraper - for Standard Disc Blade	*
	DG201	R.H. Scraper - for Standard Disc Blade	*
	DG202	L.H. Scraper - for Cone Disc Blade	*
	DG203	R.H. Scraper - for Cone Disc Blade	*
3	DG118	Scraper Bar Bracket - Bolted to Gang Beam with U-Bolt # DG18 (Replaced by Bearing Hanger)	*
	STANDARD HARDWARE		
4		5/8" x 1-1/2" N.C. Carriage Head Bolt	*
5		5/8" x 2-1/4" N.C. Carriage Head	*
6		5/8" N.C. Hex Nut	*
7		5/8" Lockwasher	*

* As Required

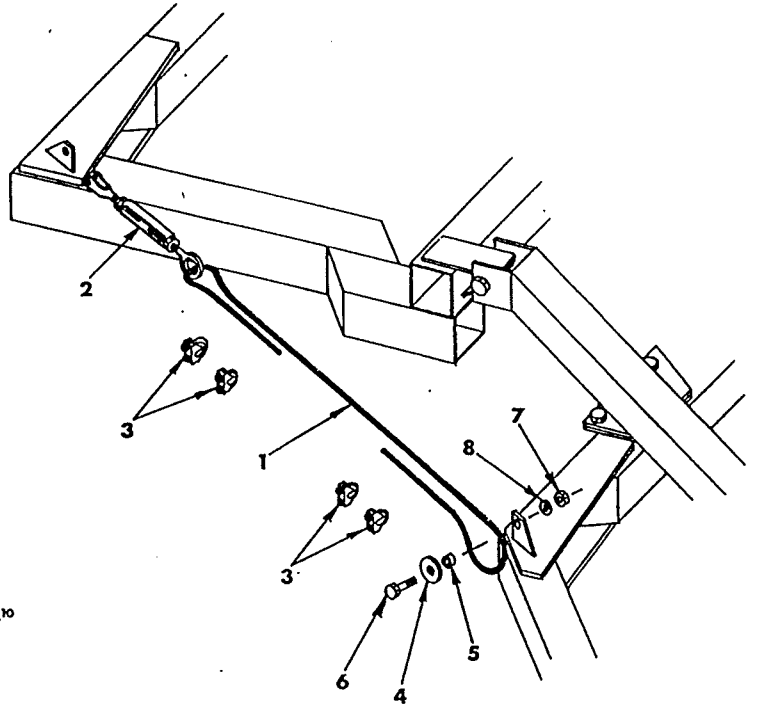
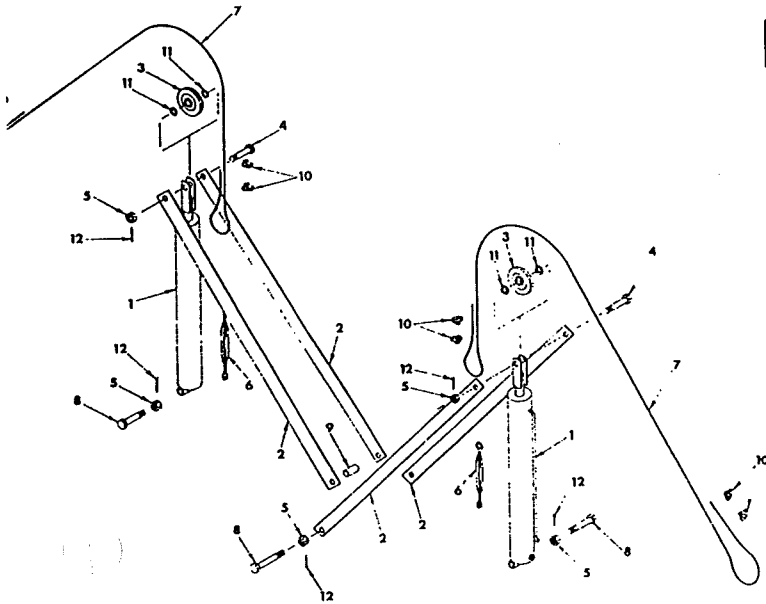
MODEL 600 TANDEM DISC



CENTER TOOTH

Ref. No.	Part No.	Description	Qty. Req'd
1	DTA1	Shank Holder	1
2	DTA2	Hinge	1
3	DT127	Backing Plate	1
4	DT128	Spacer Bar	4
5	DT116	Spring Cushion	4
6	DT117	Spring	2
7	DT123	Pin	1
8	DT110	Shank	1
9	DT111	12" Sweep	1
		STANDARD HARDWARE	
10		7/16" x 2" N.C. Plow Bolt #3 Head	2
11		5/8" x 2-1/2" N.C. Hex Bolt	1
12		3/4" x 8-1/2" N.C. Hex Bolt	4
13		3/4" x 12" N.C. Hex Bolt	2
14		7/16" N.C. Hex Nut	2
15		5/8" N.C. Hex Nut	1
16		3/4" N.C. Hex Nut	6
17		7/16" Lockwasher	2
18		5/8" Lockwasher	1
19		3/4" Lockwasher	4
20		3/16" x 1-1/4" Cotter Pin	2

MODEL 600 TANDEM DISC



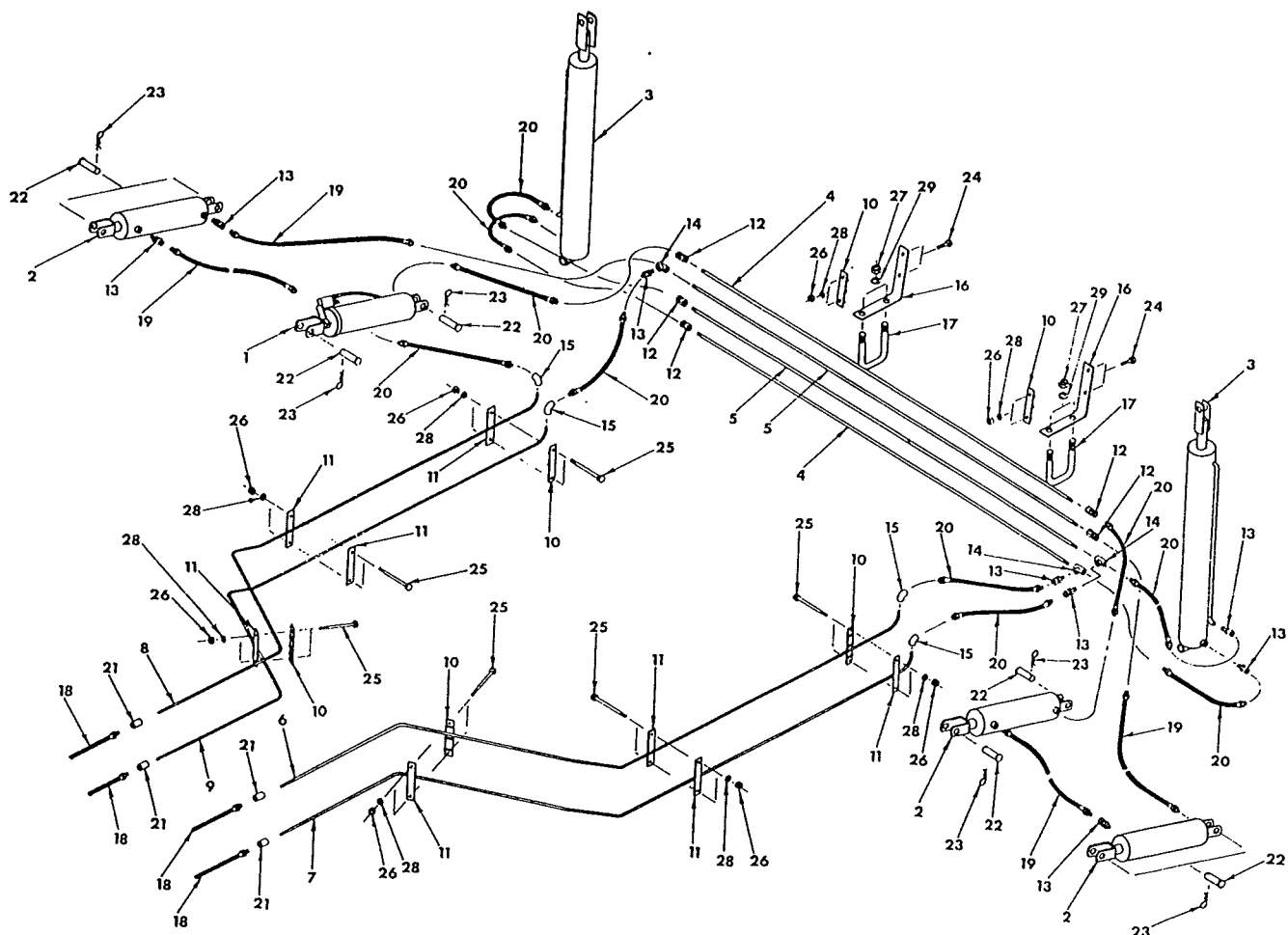
WING LIFT

Ref. No.	Part No.	Description	Qty. Req'd
1		Wing Lift Cylinder	2
2	DW62	Pivot Strap	4
3	DW63	Cast Pulley	2
4	DW64	1" x 4-1/2" N.C. Hex-Bolt Drilled for Cotter Pin	2
5	L1574	1" N.C. Slotted Nut	5
6	DWA26	5/8" Turnbuckle c/w pin	2
7	DW65	1/2" x 14' Cable	2
8	DF87	1" x 6-1/2" N.C. Hex Bolt Drilled for Cotter Pin	3
	DF84	Spacer	1
10	DW61	1/2" Cable Clamp	8
11		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
12		3/16" x 1-1/2" Cotter Pin	5

WING BRACE

Ref. No.	Part No.	Description	Qty. Req'd
1	DW66	5/8" x 8' Cable	2
2	DWA27	3/4" Turnbuckle c/w pin	2
3	DW72	5/8" Cable clamp	8
4	DF86	Washer	2
5	DF85	Spacer	2
6		3/4" x 2-1/2" N.C. Hex Bolt	2
7		3/4" N.C. Hex Nut	2
8		3/4" Lockwasher	2

MODEL 600 TANDEM DISC

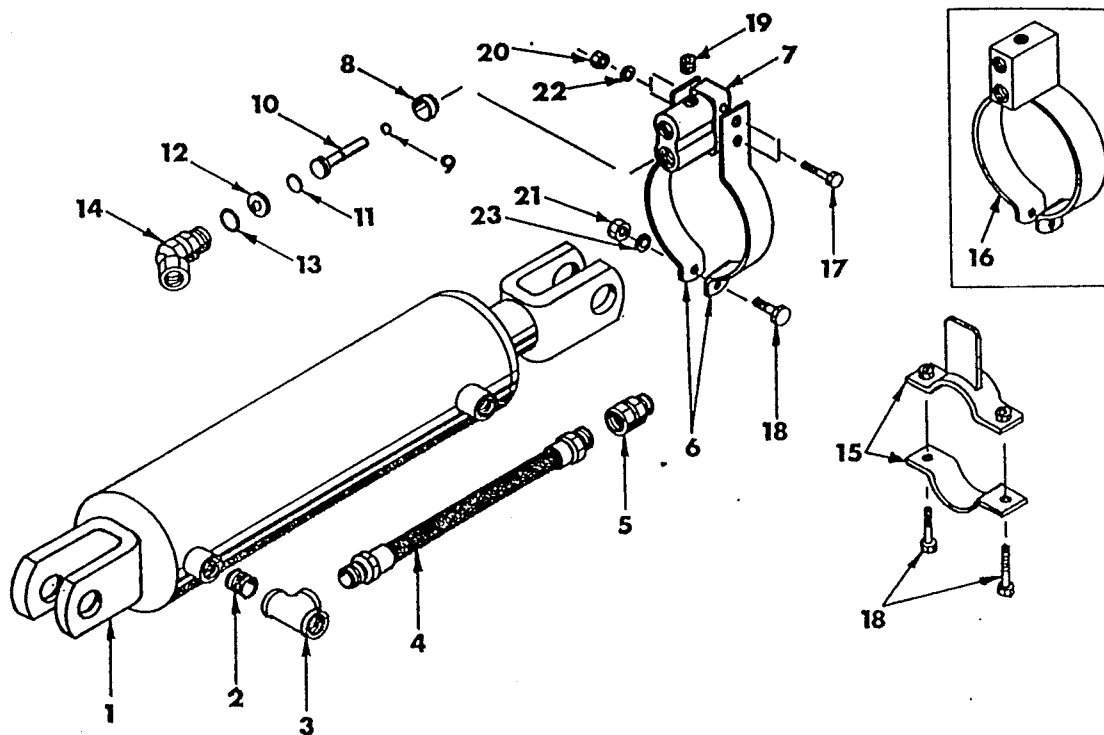


HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	DCB2	3-1/2" Rockshaft Cylinder c/w control valve	1
	DCB3	4" Rockshaft Cylinder c/w control valve	1
2	149	3-1/2" Rockshaft Cylinder	3
	146	4" Rockshaft Cylinder	3
3	147	3-1/2" Wing Lift Cylinder	2
	148	4" Wing Lift Cylinder	2
4	DL8	Top and Bottom Oil Line	2
5	DL9	Center Oil Line	2
6	DL1	L.H. Side Oil Line - Top	1
7	DL2	L.H. Side Oil Line - Bottom	1
8	DL3	R.H. Side Oil Line - Top	1
9	DL4	R.H. Side Oil Line - Bottom	1
10	DLA1	Clamp Plate w/3 weld-on lugs	6
11	DL5	Clamp Plate	6
12	L29	3/8" Female Swivel Adapter	5
13	L1619	3/8" Male - Female Swivel Adapter	8
14	L1617	3/8" Tee Joint	3
15	DL11	3/8" 90 Degree Elbow	4

Ref. No.	Part No.	Description	Qty. Req'd
16	DL7	Rear Line Support Bracket	2
17	DW78	U-Bolt	2
18	H72	3/8" x 72" Hydraulic Hose	4
19	H36	3/8" x 36" Hydraulic Hose	4
20	H19	3/8" x 19" Hydraulic Hose	10
21	DL12	3/8" Coupling	4
22	10CP1	Cylinder Pin	8
23	DR129	Hair Pin Cotter	8
24		1/2" x 2-1/4" N.C. Hex Bolt	4
25		1/2" x 6-1/2" N.C. Hex Bolt	12
26		1/2" N.C. Hex Nut	16
27		3/4" N.C. Hex Nut	4
28		1/2" Lockwasher	16
29		3/4" Lockwasher	4

MODEL 600 TANDEM DISC



DEPTH CONTROL CYLINDER

Ref. No.	Part No.	Description	Qty. Req'd
1	149	3-1/2" x 8" Hydraulic Cylinder	1
	146	4" x 8" Hydraulic Cylinder	1
2	DC24	3/8" Male Coupling	1
3	L1617	3/8" Tee Joint	1
4	H10	3/8" x 10" Hose	1
5	L1619	3/8" Male - Female Swivel Adapter	1
6	DC25	Half Clamp - for 3-1/2" Dia. Cylinder	2
	DC26	Half Clamp - for 4" Dia. Cylinder	2
7	DCA4	Depth Control Assembly - c/w valve spool, valve sleeve, valve spool o-rings and seal retainer	1
8	DC17	Valve Sleeve	1
9	DC18	O-ring	1
10	DC19	Valve Spool	1
11	DC20	O-ring	1
12	DC21	Seal Retainer	1
13	DC22	O-ring	1
14	DC23	45 degree Swivel Elbow	1
15	DCA5	Depth Control Stop c/w Bolts	
16		Used 1973 and prior replaced by Ref. No. 6 and 7.	
17		1/4" x 2" N.C. Hex Bolt	2
18		5/16" x 1" N.C. Hex Bolt	3
19		5/16" Hex Socket Set Screw	1
20		1/4" N.C. Hex Nut	2
21		5/16" N.C. Hex Nut	1
22		1/4" Lockwasher	2
23		5/16" Lockwasher	1

EZEE-ON DISC CYLINDER PARTS LIST

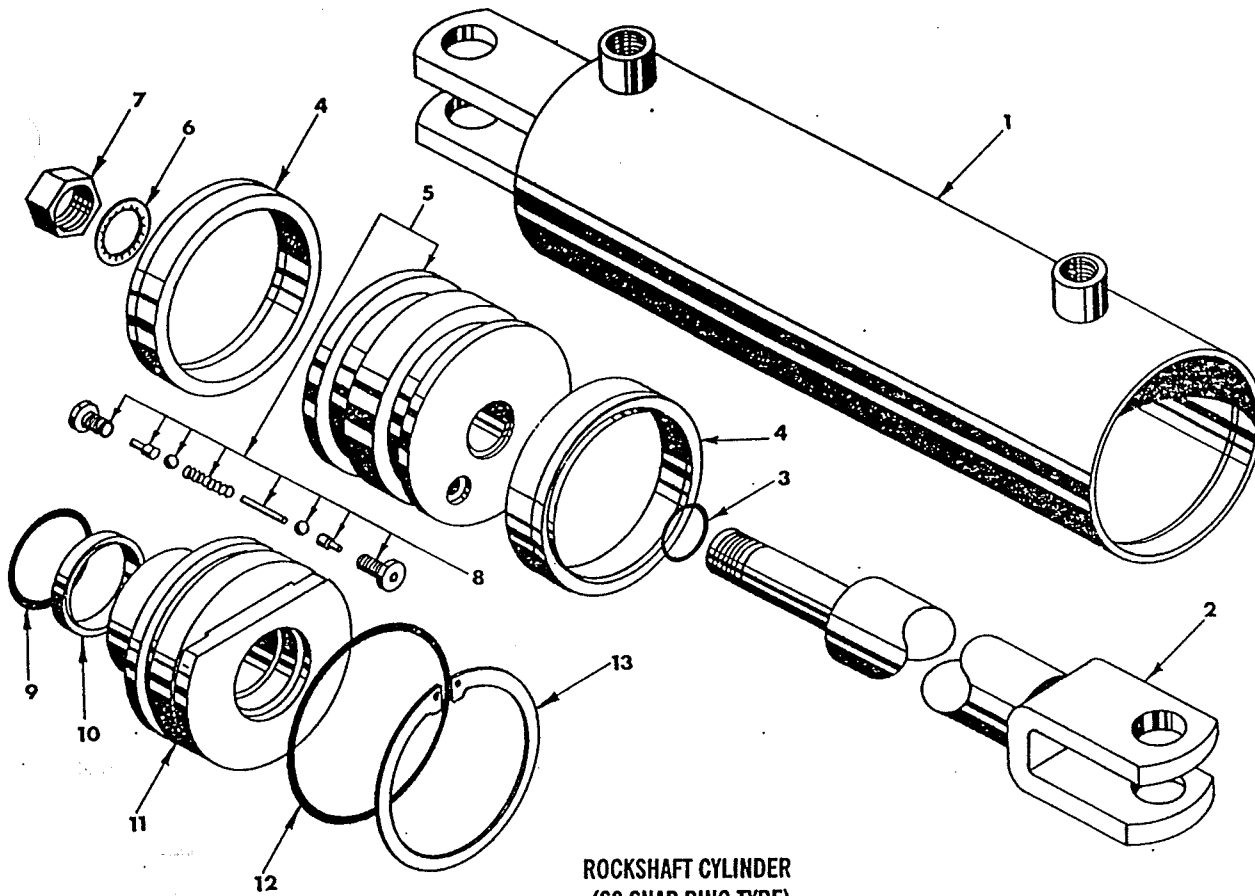
INSTRUCTIONS ON HOW TO USE CYLINDER PARTS LIST

1. Identify type of head cylinder has, snap ring (S2) type or nut (N4) type.
2. Using the Cylinder Specification chart below. Identify Code No. and application of cylinder.
3. With type of cylinder and its application established, locate parts list further in book. Use cylinder Code No. listed in Qty. Req'd column to determine proper part no.

CYLINDER SPECIFICATION CHART

CODE NO.	DIAMETER	STROKE	C.C. LENGTH	SHAFT DIAMETER	TYPE	APPLICATION
50	3-1/2"	8"	20-1/4"	1-1/2"	S2	Rockshaft
51	4"	8"	20-1/4"	1-1/2"	S2	Rockshaft
52	3-1/2"	28"	41-1/2"	1-1/2"	S2	Wing Lift
53	4"	28"	41-1/2"	1-1/2"	S2	Wing Lift
149	3-1/2"	7-7/8"	20-3/8"	1-1/2"	N4	Rockshaft
146	4"	7-7/8"	20-3/8"	1-1/2"	N4	Rockshaft
147	3-1/2"	28"	41-1/2"	1-1/2"	N4	Wing Lift
148	4"	28"	41-1/2"	1-1/2"	N4	Wing Lift

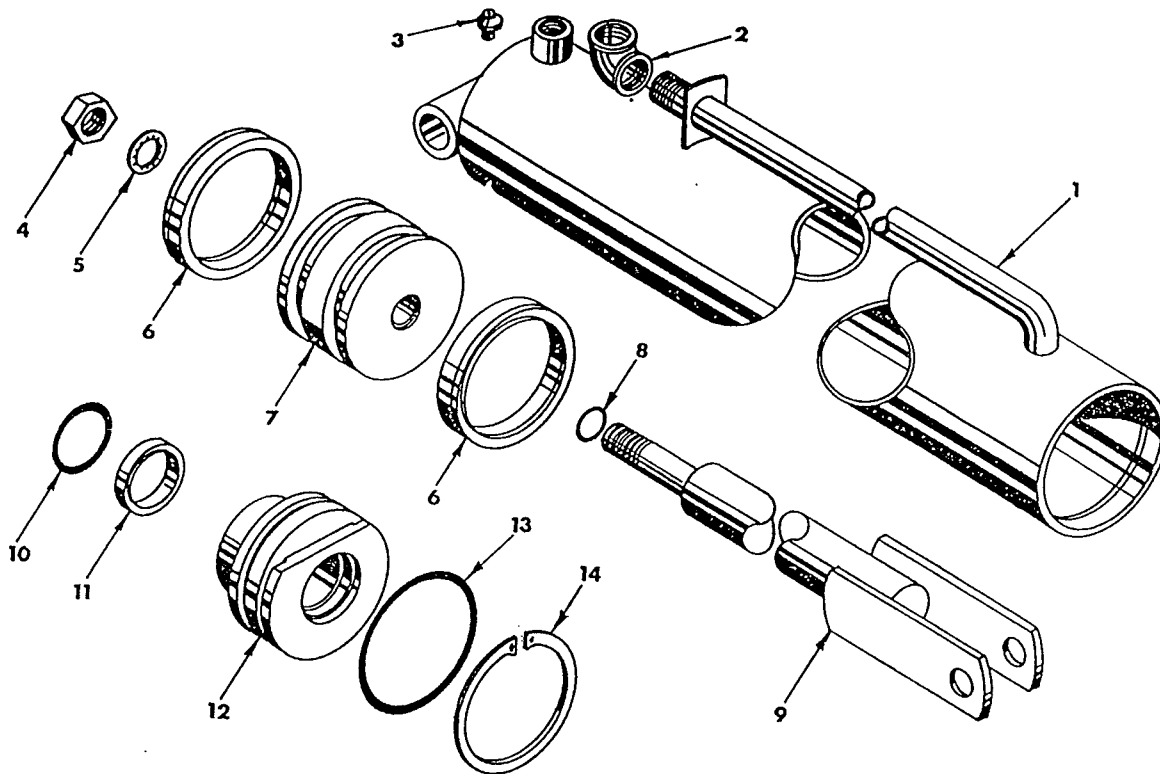
MODEL 600 TANDEM DISC



ROCKSHAFT CYLINDER
(S2 SNAP RING TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #50	Cylinder Code #51
1	35TU4	Tube Assembly	1	
	40TU2	Tube Assembly		1
2	10SH20	Shaft	1	1
3	100R9	O-Ring - if copper washer is used order # 10CW1	1	1
4	35CU2	U-Cup - 3/8" wide	2	
	35CU3	U-Cup - 5/8" wide	2	
	40CU1	U-Cup - 3/8" wide		2
	40CU2	U-Cup - 5/8" wide		2
5	35PB1	Plunger Block c/w By- Pass Valve - uses 3/8" wide cup	2	
	35PB3	Plunger Block c/w By-Pass Valve - uses 5/8" wide cup	2	
	40PB1	Plunger Block c/w By- Pass Valve - uses 3/8" wide cup		2
	40PB3	Plunger Block c/w By-Pass Valve - uses 5/8" wide cup		2
6	10SW1	Star Washer - 3/4" I.D.	1	1
7	10NU1	Nut - 3/4" N.F. Nut	1	1
8	10BV1	By-Pass Valve Kit	1	1
9	100R10	O-Ring	1	1
10	10WS1	Wiper Seal	1	1
11	35HP3	Head Plate	1	
	40HP2	Head Plate		1
12	100R8	O-Ring	1	
	100R11	O-Ring		1
13	35SR1	Snap Ring	1	
	40SR1	Snap Ring		1

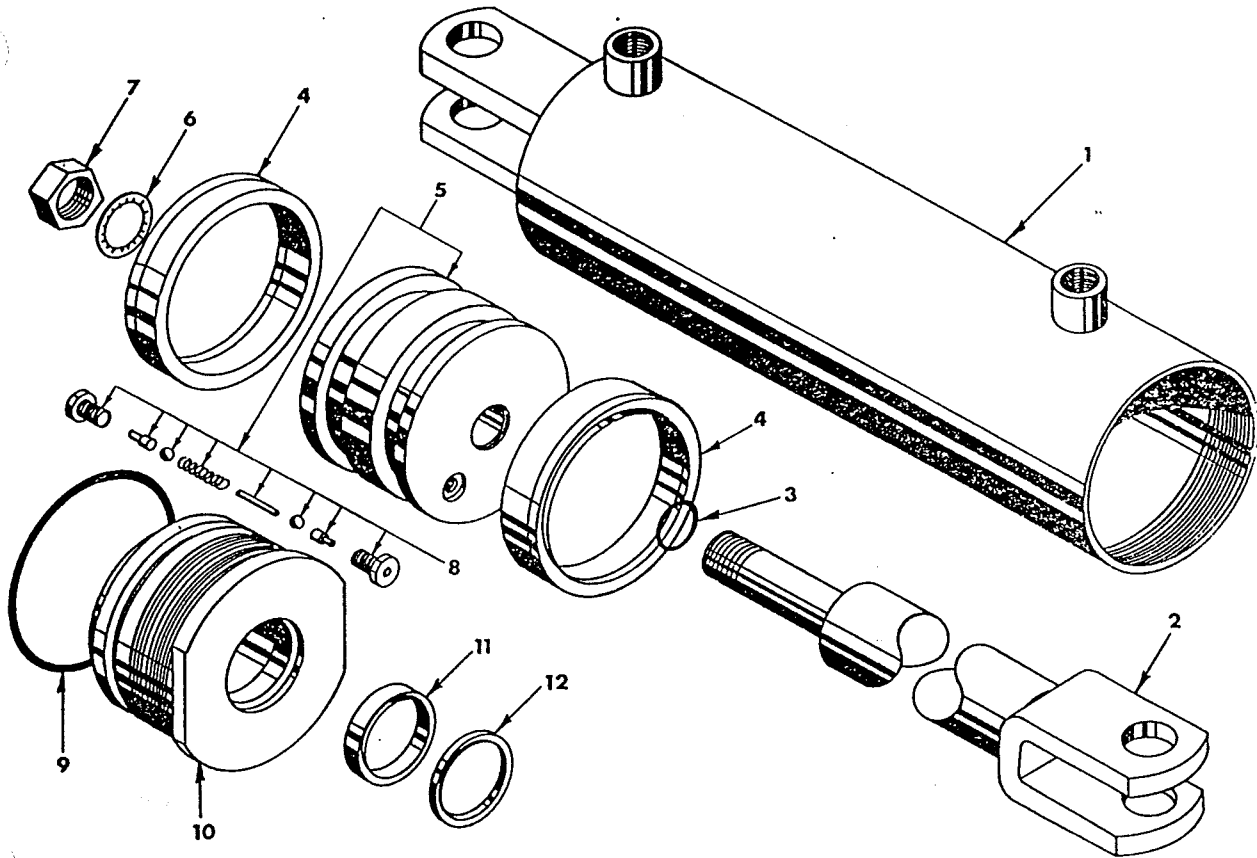
MODEL 600 TANDEM DISC



WING LIFT CYLINDER
(S2 SNAP RING TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #52	Cylinder Code #53
1	35TU5	Tube Assembly	1	
	40TU3	Tube Assembly		1
2	10EL1	Elbow	1	1
3	10GN1	Grease Nipple (1/4" - 28")	1	1
4	10NU2	Nut 1" N.F.	1	1
5	10SW2	Star Washer 1" I.D.	1	1
6	35CU2	U-Cup - 3/8" wide	2	
	35CU3	U-Cup - 5/8" wide	2	
	40CU1	U-Cup - 3/8" wide		2
	40CU2	U-Cup - 5/8" wide		2
7	35PB2	Plunger Block - uses 3/8" cups	1	
	35PB4	Plunger Block - uses 5/8" cups	1	
	40PB2	Plunger Block - uses 3/8" cups		1
	40PB4	Plunger Block - uses 5/8" cups		1
8	10OR12	O-Ring- if copper washer is used order # 10CW2	1	1
9	10SH24	Shaft	1	1
10	10OR10	O-Ring	1	1
11	10WS1	Wiper Seal	1	1
12	35HP3	Head Plate	1	
	40HP2	Head Plate		1
13	10OR8	O-Ring	1	
	10OR11	O-Ring		1
14	35SR1	Snap Ring	1	
	40SR1	Snap Ring		1

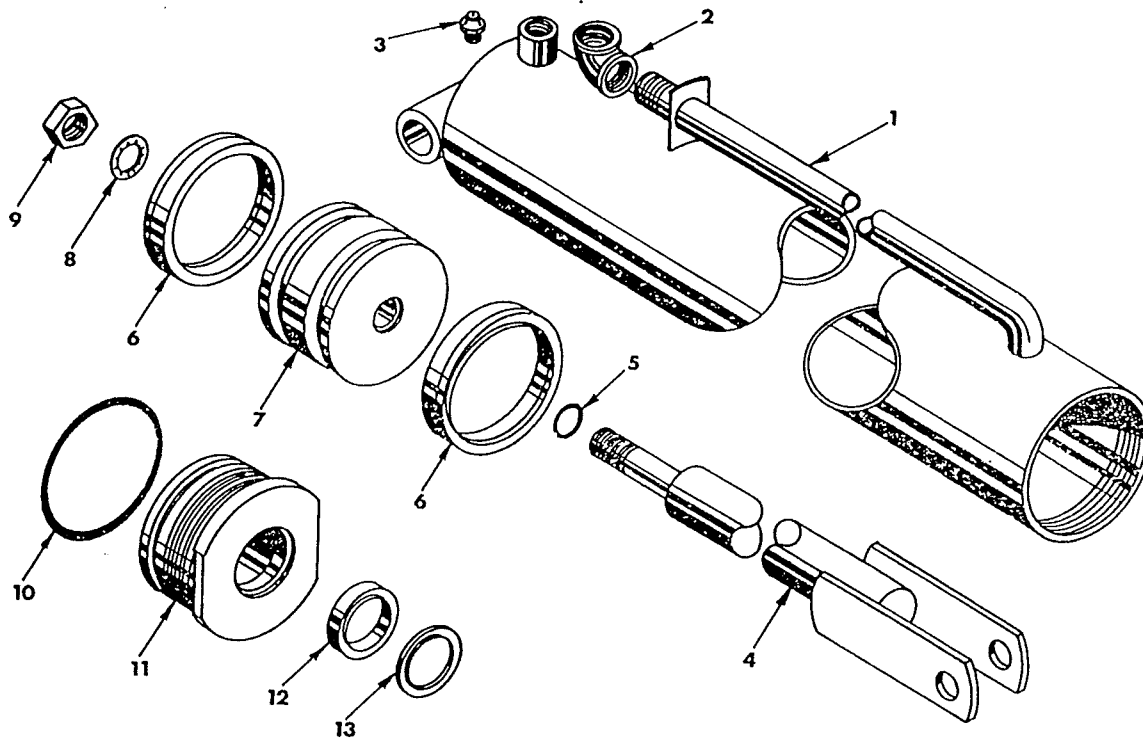
MODEL 600 TANDEM DISC



ROCKSHAFT CYLINDER (N4 NUT TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #149	Cylinder Code #146
1	35TU3 40TU1	Tube Assembly Tube Assembly	1	1
2	10SH20	Shaft	1	1
3	10OR9	O-Ring	1	1
4	35CU2 40CU1	U-Cup - 3/8" wide U-Cup - 5/8" wide	2	2
5	35PB1 40PB1	Plunger Block c/w By Pass-Valve Plunger Block c/w By Pass-Valve	1	1
6	10SW1	Star Washer - 3/4" I.D.	1	1
7	10NU1	Nut 3/4" N.F. Hex Nut	1	1
8	10BV1	By-Pass Valve Kit	1	1
9	10OR8 10OR11	O-Ring O-Ring	1	1
10	35HP2 40HP1	Head Plate Head Plate	1	1
11	10RS1	Rod Seal	1	1
12	10WS1	Wiper Seal	1	1

MODEL 600 TANDEM DISC



WING LIFT CYLINDER
(N4 NUT TYPE)

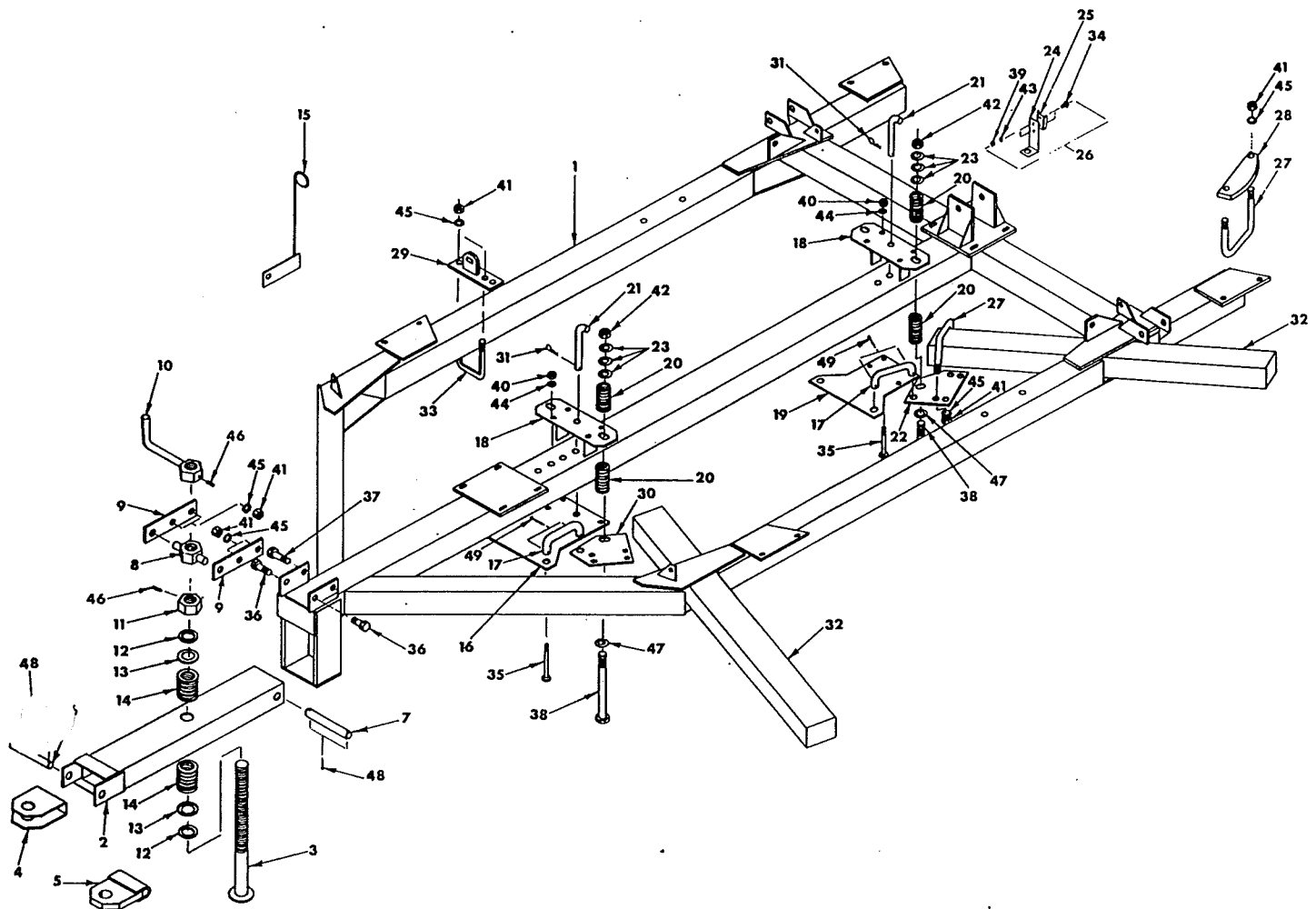
Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #147	Cylinder Code #148
1	35TU6	Tube Assembly	1	
	40TU4	Tube Assembly		1
2	10EL1	Elbow	1	1
3	10GN1	Grease Nipple	1	1
4	10SH23	Shaft	1	
	10SH24	Shaft		1
5	10OR12	O-Ring	1	1
6	35CU2	U-Cup - 3/8" wide	2	
	40CU1	U-Cup - 3/8" wide		2
7	35PB5	Plunger Block	1	
	40PB2	Plunger Block		1
8	10SW2	Star Washer 1" I.D.	1	1
9	10NU2	Nut - 1" N.F. Hex	1	1
10	10OR8	O-Ring	1	
	10OR11	O-Ring		1
11	35HP2	Head Plate	1	
	40HP3	Head Plate		1
12	10RS1	Rod Seal	1	1
13	10WS1	Wiper Seal	1	1

MODEL 600 TANDEM DISC

CYLINDER SEAL KITS

Kit No.	Contents	Fits Cylinder Code No.
N3515S2	2- 35CU2 - 3/8" wide U-Cup 1- 100R12 - O-Ring 1- 100R9 - O-Ring 1- 100R10 - O-Ring 1- 10WS1 - Wiper Seal 1-35SR1 - Snap Ring 1-100R8 - O-Ring	50 and 52 w/3/8" wide U-Cups
W3515S2	2-35CU3 - 5/8" wide U-Cup 1-100R12 - O-Ring 1-100R9 - O-Ring 1-100R10 - O-Ring 1-10WS1 - Wiper Seal 1-100R8 - O-Ring 1-35SR1 - Snap Ring	50 and 52 w/5/8" wide U-Cups
N4015S2	2-40CU1 - 3/8" wide U-Cup 1-10R9 - O-Ring 1-100R10 - O-Ring 1-100R12 - O-Ring 1-10WS1 - Wiper Seal 1-100R11 - O-Ring 1-40SR1 - Snap Ring	51 and 53 5/8" wide U-Cups
N4015S2	2-40CU2 - 5/8" wide U-Cup 1-100R9 - O-Ring 1-100R10 - O-Ring 1-100R12 - O-Ring 1-10WS1 - Wiper Seal 1-100R11 - O-Ring 1-40SR1 - Snap Ring	51 and 53 5/8" wide U-Cup
N3515N4	2-35CU2 - 3/8" wide U-Cup 1-100R9 - O-Ring 1-100R12 - O-Ring 1-100R8 - O-Ring 1-10RS1 - Rod Seal 1-10WS1 - Wiper Seal	149 and 147
N4015N4	2-40CU1 - 3/8" wide U-Cup 1-100R9 - O-Ring 1-100R12 - O-Ring 1-100R11 - O-Ring 1-10RS1 - Rod Seal 1-10WS1 - Wiper Seal	146 and 148

MODEL 900 TANDEM DISC



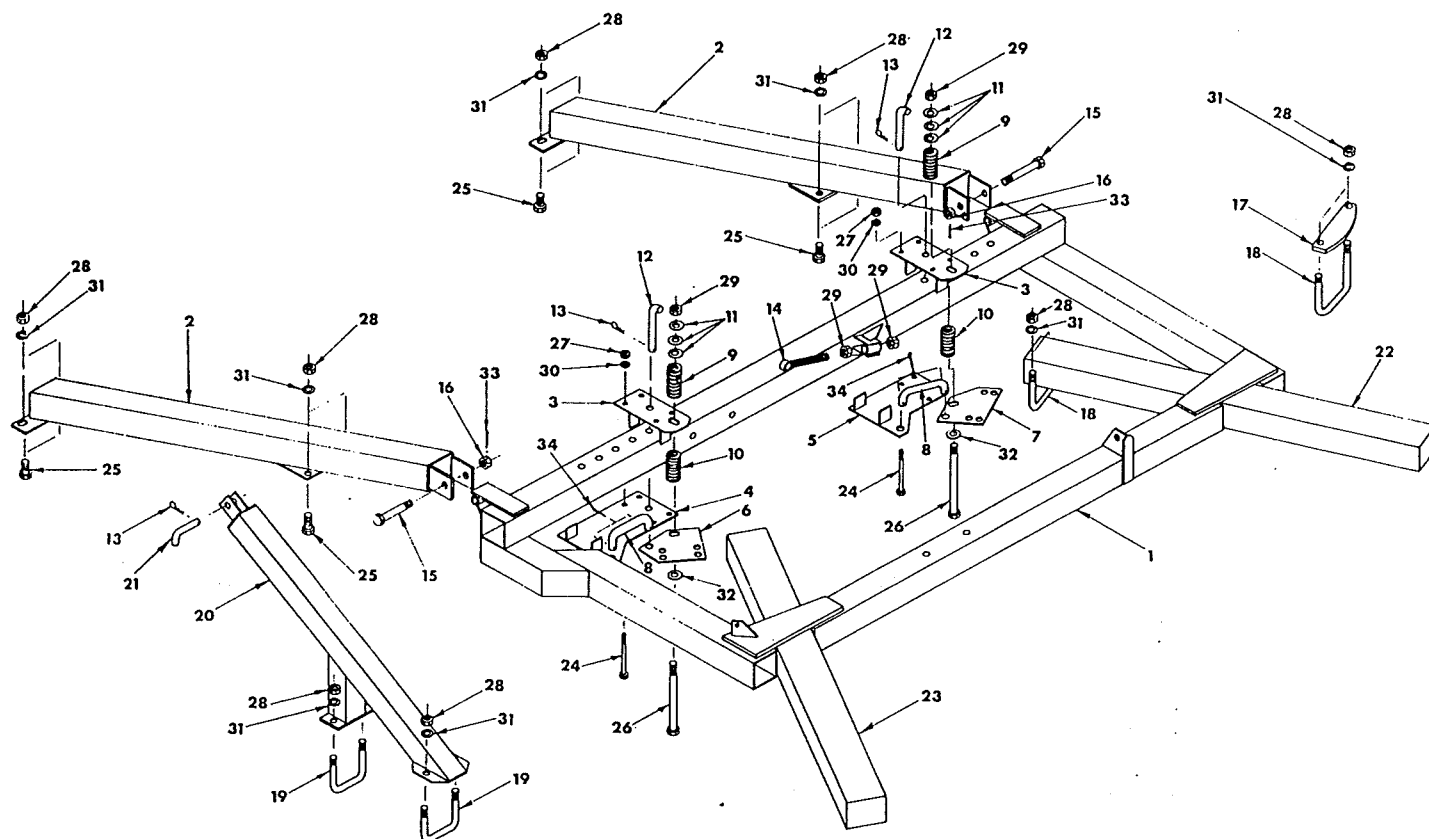
CENTER FRAME, HITCH AND GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	N/A	Center Frame	1
2	N/A	Tongue	1
3	DHA2	Threaded Shaft	1
4	DHA5	Clevis	1
5	DHA6	Male Hitch (Optional)	1
6	DH30	Front Hitch Pin	1
7	DH12	Rear Hitch Pin	1
8	DHA4	Swivel Nut	1
9	N/A	Hitch Support Plate	2
10	DHA3	Crank	1
11	DH5	2" N.C. Heavy Hex Nut (Drilled)	1
12	DC15	Thrust Bearing - Timken # T199	2
13	DC13	Cup	2
14	DH1	Hitch Spring	2
15	DFA15	Hose Support	1
16	DF23	Bottom Plate - Front	1
17	DF29	Connecting Link	4
18	DFA7	Top Plate	2
19	DF28	Bottom Plate - Rear	1
20	DF22	Spring	8
	DF37	Pin	2
	DG17	Mount Plate - Rear	2
	DF49	2" O.D. x 1-1/32" I.D. x 3/16" Washer	12
24	DF16	SMV Sign Support	1
25	DF54	SMV Sign Clip	1
26	DFA16	SMV Sign Support and Clip Bolted	1

Ref. No.	Part No.	Description	Qty. Req'd
27	DG18	U-Bolt	8
28	DG160	Thrust Block	4
29	DWA29	Anchor Bracket	2
30	DG10	Front Mount Plate (used on some earlier Discs)	2
31	DG129	Hair Pin Cotter	2
32	N/A	Gang Beam	4
33	DW78	U-Bolt	2
34		5/16" x 3/4" N.C. Carriage Bolt	2
35		5/8" x 7" N.C. Hex Bolt	8
36		3/4" x 2-1/2" N.C. Hex Bolt	3
37		3/4" x 3" N.C. Hex Bolt	1
38		1" x 12" N.C. Hex Bolt	4
39		5/16" N.C. Hex Bolt	2
40		5/8" N.C. Hex Nut	8
41		3/4" N.C. Hex Nut	*
42		1" N.C. Hex Nut	2
43		5/16" Lockwasher	4
44		5/8" Lockwasher	8
45		3/4" Lockwasher	*
46		1/2" x 1" N.C. Square Head Set Screw	2
47		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
48		1/4" x 2" Cotter Pin	4
49		5/16" x 2" Cotter Pin	8

* As Required

MODEL 900 TANDEM DISC

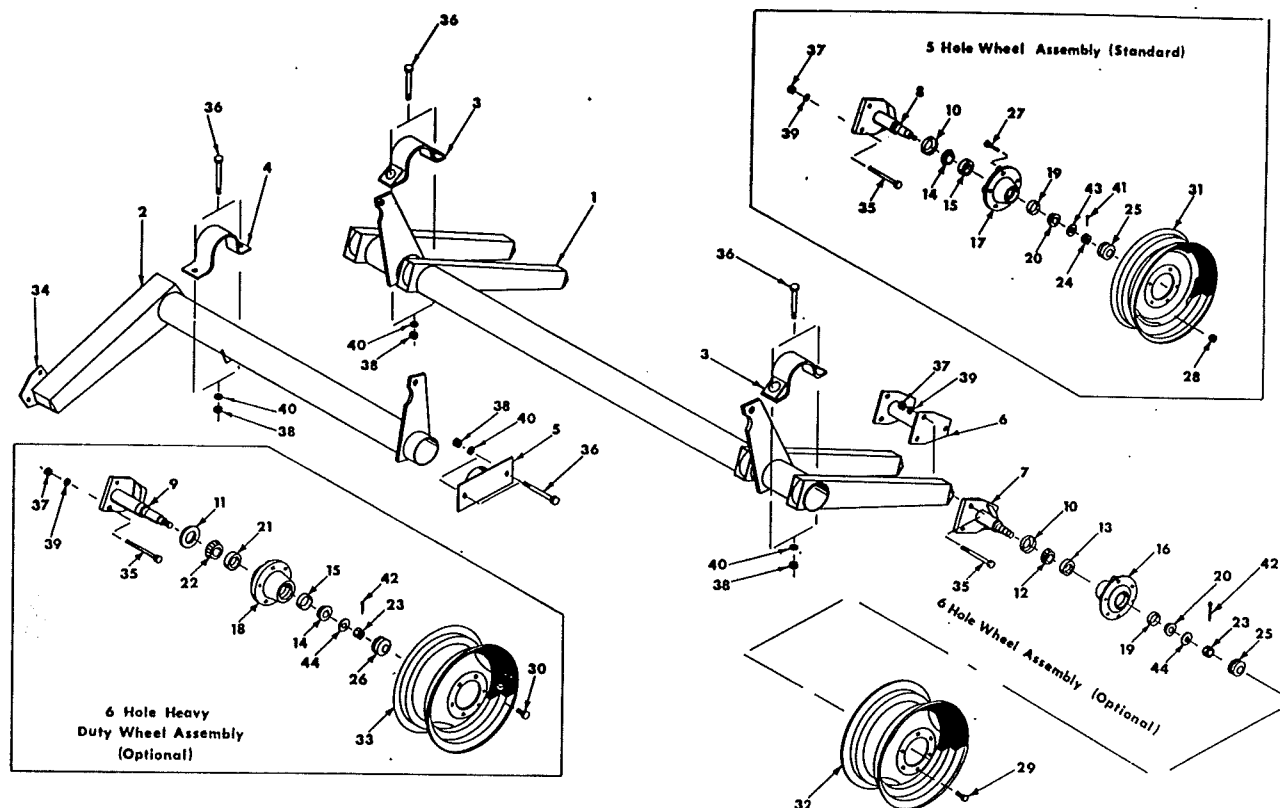


WING FRAME, HINGE BEAM AND GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	N/A	L.H. Wing Frame (Shown)	1
	N/A	R.H. Wing Frame	1
2	N/A	L.H. Hinge Beam (Shown)	2
	N/A	R.H. Hinge Beam	2
3	DWA19	Top Plate - Wing	4
4	DWA22	L.H. Bottom Plate - Front (Shown)	1
	DWA20	R.H. Bottom Plate - Front	1
5	DWA23	L.H. Bottom Plate - Rear (Shown)	1
	DWA21	R.H. Bottom Plate - Rear	1
6	DG10	Front Mount Plate	2
7	DG17	Rear Mount Plate	2
8	DF29	Connecting Link	4
9	DF22	Top Spring	4
10	DW34	Bottom Spring	4
11	DF49	2" O.D. x 1-1/32" x 3/16" Washer	12
12	DF37	Pin	4
13	DR129	Hair Pin Cotter	6
14	DWA18	I-Bolt	2
15	L1587	1" x 6" N.C. Hex Bolt (Drilled for Cotter Pin)	4
16	L1574	1" N.C. Slotted Hex Nut	4
17	DG160	Thrust Block	4

Ref. No.	Part No.	Description	Qty. Req'd
18	DG18	U-Bolt	8
19	DW78	U-Bolt	4
20	DWA28	Wing Lock-Up Bracket	2
21	DR96	Lock Pin	2
22		REAR GANG BEAM	*
		Order material as required, 4-1/2" N/A must use 4" plus 1/2" shim	
23		FRONT GANG BEAM	*
		Order material as required, 4-1/2" N/A must use 4" plus 1/2" shim	
24		5/8" x 7" N.C. Hex Bolt	16
25		3/4" x 2" N.C. Hex Bolt	16
26		1" x 12" N.C. Hex Bolt	4
27		5/8" N.C. Hex Nut	16
28		3/4" N.C. Hex	40
29		1" N.C. Hex Nut	8
30		5/8" Lockwasher	16
31		3/4" Lockwasher	40
32		2" O.D. x 1-1/6" LD. x 1/8" Flatwasher	4
33		3/16" x 1-1/2" Cotter Pin	4
34		5/16" x 2" Cotter Pin	8
Not Shown	10GH1	1/4" - 28" Grease Fitting (Installed in Wing Hinge)	4

MODEL 900 TANDEM DISC



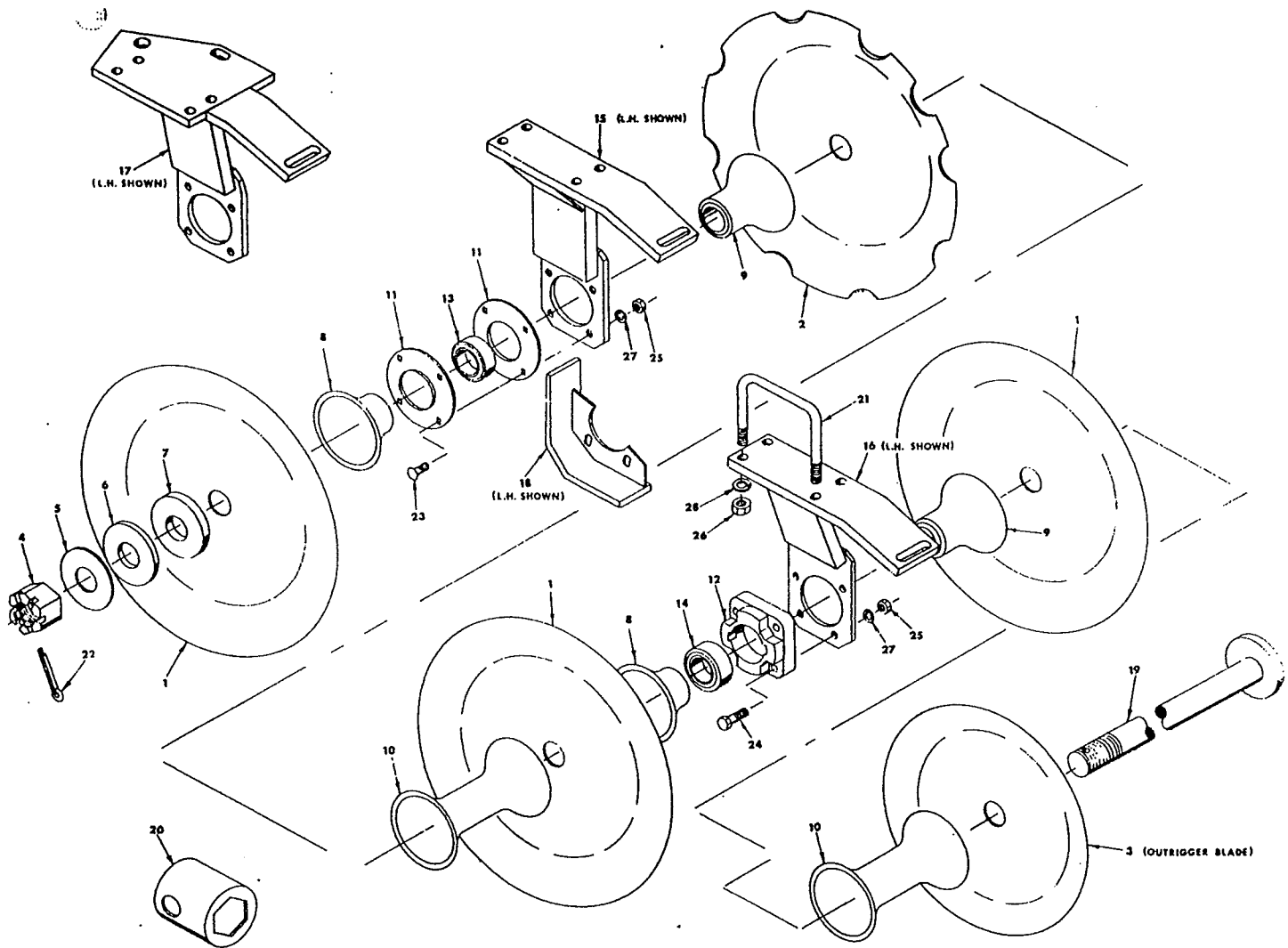
ROCKSHAFTS AND WHEELS

Ref. No.	Part No.	Description	Qty. Req'd
	N/A	Center & Rear Rockshaft	1
2	N/A	L.H. Wing Rockshaft - Shown	1
	N/A	R.H. Wing Rockshaft	1
3	DFA40	Center Rockshaft Bearing	2
4	DF41	Outside Bearing - Wing Rockshaft	2
5	DRA22	Inside Bearing - Wing Rockshaft	2
6	DRA16	Wheel Leg Spacer	2
7	DRA6	Axle Assembly	*
8	DRA2	Axle Assembly	*
9	DRA8	Axle Assembly	*
10	DR85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM29749	*
13	DR106	Cup #LM29710	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
16	DRA7	Hub c/w cups	*
17	DRA3	Hub c/w cups	*
18	DRA9	Hub c/w cups	*
19	DR90	Cup #LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #LM25520	*
22	DR120	Cone Bearing #LM25580	*
23	DR110	1" N.F. Hex Slotted Nut	*
24	DR82	3/4" N.F. Hex Slotted Nut	*
	DR88	Hub Cap	*

Ref. No.	Part No.	Description	Qty. Req'd
26	DR123	Hub Cap	*
27	DR87	Wheel Bolt	*
28	DR86	Tapered Wheel Nut 1/2" N.F.	*
29	DR111	Wheel Stud	*
30	DR125	Wheel Stud	*
31	DR93	15" x 6" - 5 Hole Rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 Hole Rim (use 7.60 x 15 tire)	*
33	DR127	15" x 8" - 6 Hole Rim (use 9.5L x 15 tire or use 11L x 15 tire)	*
34	DR76	Axle Backing Plate	2
STANDARD HARDWARE			
35		5/8" x 4-1/2" N.C. Hex Bolt - Center Frame	12
		5/8" x 6" N.C. Hex Bolt - Wing Rockshaft	6
36		3/4" x 6" N.C. Hex Bolt	12
37		5/8" N.C. Hex Nut	18
38		3/4" N.C. Hex Nut	12
39		5/8" Lockwasher	18
40		3/4" Lockwasher	12
41		3/16" x 1" Cotter Pin	*
42		3/16" x 1-1/4" Cotter Pin	*
43		1-3/4" O.D. x 13/16" I.D. x 1/8" Flatwasher	*
44		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
Not Shown	10GN1	1/4" x 28" Grease Nipples	12

*As Required

MODEL 800 TANDEM DISC



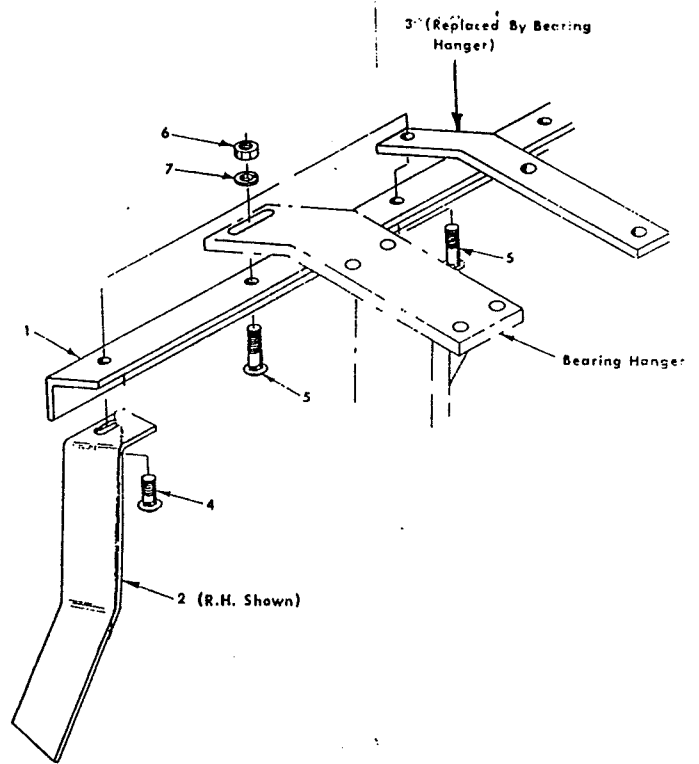
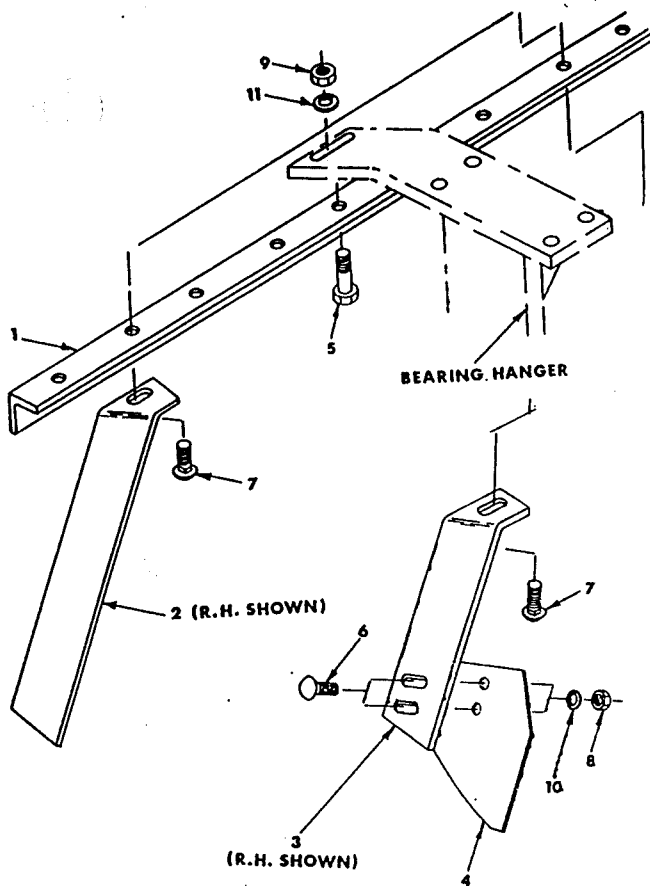
DISC GANG

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 6 ga. Standard Disc Blade - Solid	*
	DG64	22" x 1/4" Standard Disc Blade - Solid	*
	DG68	24" x 1/4" Standard Disc Blade - Solid	*
2	DG63	22" x 6 ga. Standard Disc Blade - Notched	*
	DG65	22" x 1/4" Standard Disc Blade - Notched	*
	DG67	24" x 6 ga. Standard Disc Blade - Notched	*
	DG69	24" x 1/4" Standard Disc Blade - Notched	*
	DG152	22" x 1/4" Cone Disc Blade - Notched	*
	DG154	24" x 1/4" Cone Disc Blade - Notched	*
3	DG133	18" x 7 ga. Outrigger Blade	*
	DG62	22" x 6 ga. Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	5" O.D. x 2" I.D. x 1/4" Shim Washer	*
6	DG88	5" O.D. x 2" I.D. x 1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG6	9" Spacing Short 1/2 Spool	*
9	DG5	9" Spacing Long 1/2 Spool	*
10	DG2	9" Spool	*
11	DG91	Standard Flangette for 210 Series Bearing	*
	DG93	Heavy Duty Flangette for 210 Series Bearing	*
12	DG92	Bearing Housing for 210 Series Bearing	*
	DG94	Bearing Housing for 211 Series Bearing	*
13	N/A	210 Series Sealed Bearing	*
14	DG34	210 Series Greaseable Bearing	*
	DG95	211 Series Greaseable Bearing	*
15	DGA6	L.H. Straight Bearing Hanger - Short (Used 1973 and prior)	*
	DGA7	R.H. Straight Bearing Hanger - Short (Used 1973 and prior)	*
	DGA53	L.H. Straight Bearing Hanger - Long (Used 1974 and later)	*
	DGA54	R.H. Straight Bearing Hanger - Long (Used 1974 and later)	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
16	DGA8	R.H. Offset Bearing Hanger - Short (Used 1973 and prior)	*
	DGA9	L.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
	DGA47	R.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
	DGA48	L.H. Offset Bearing Hanger - Long (Used 1974 and later)	*
17	DGA49	L.H. Spring Mount Bearing Hanger - Long (Used 1974 and later)	*
	DGA50	R.H. Spring Mount Bearing Hanger - Long (Used 1974 and later)	*
	DGA51	R.H. Spring Mount Bearing Hanger - Short (Used 1973 and prior)	*
	DGA52	L.H. Spring Mount Bearing Hanger - Short (Used 1973 and prior)	*
18	DGA37	R.H. Sand Guard (California Only)	*
	DGA38	L.H. Sand Guard (California Only)	*
19	DGA67	7 Blade Gang Bolt - 60"	*
	DGA68	8 Blade Gang Bolt - 69"	*
	DGA69	9 Blade Gang Bolt - 78-1/4"	*
	DGA70	10 Blade Gang Bolt - 87-1/4"	*
	DGA71	11 Blade Gang Bolt - 96-3/4"	*
20	DGA35	Socket Wrench	1
21	DG18	U-Bolt (3/4" x 6")	*
22	DG83	3/8" x 3" Cotter Pin	*
STANDARD HARDWARE			
23		1/2" x 1-1/2" N.C. Carriage Head Bolt	*
		1/2" x 2" N.C. Carriage Head Bolt - if sand guards are used	*
24		1/2" x 2" N.C. Hex Bolt	*
		1/2" x 2-1/4" N.C. Hex Bolt - if sand guards are used	*
25		1/2" N.C. Hex Nut	*
26		3/4" N.C. Hex Nut	*
27		1/2" Lockwasher	*
28		3/4" Lockwasher	*

MODEL 900 TANDEM DISC



SCRAPER ASSEMBLY
(All Purpose, Wide Pan Type) - 1974 and Later

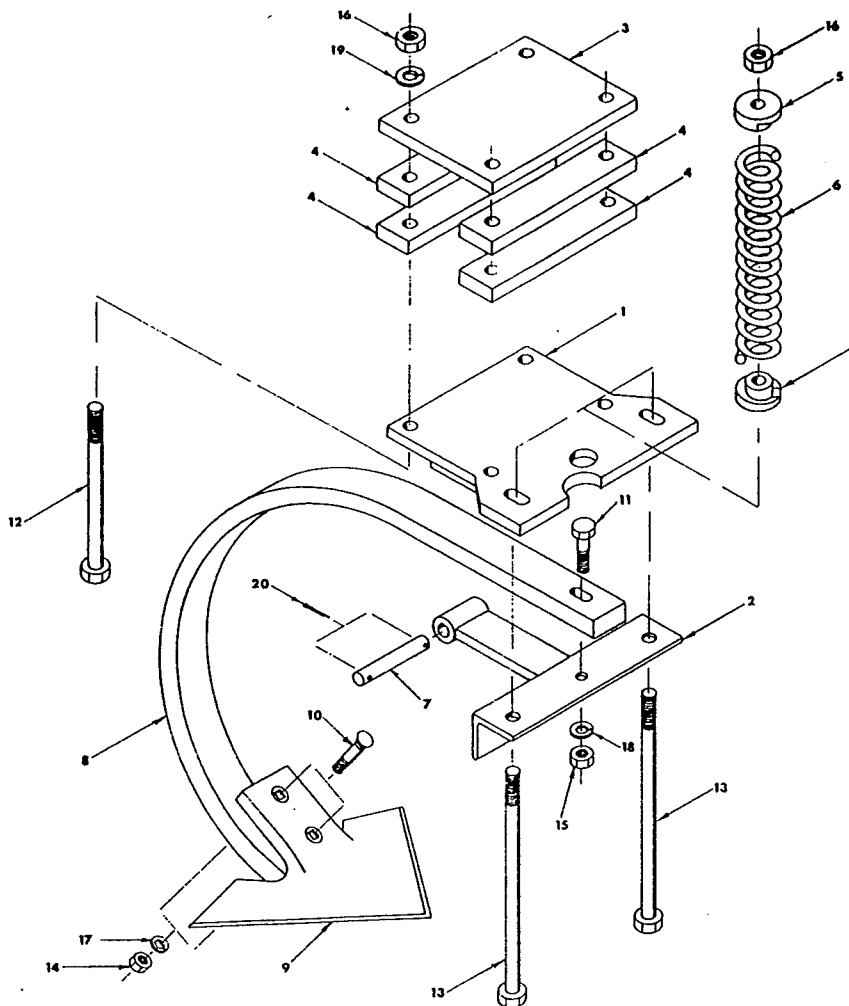
Ref. No.	Part No.	Description	Qty. Req'd
1	N/A	Scraper Bar - for 7 Blade Gang	*
	N/A	Scraper Bar - for 8 Blade Gang	*
	N/A	Scraper Bar - for 9 Blade Gang	*
	N/A	Scraper Bar - for 10 Blade Gang	*
	N/A	Scraper Bar - for 11 Blade Gang	*
2	DG204	L.H. All Purpose Scraper - for Standard Disc Blade	*
	DG205	R.H. All Purpose Scraper - for Standard Disc Blade	*
	DG206	L.H. All Purpose Scraper - for Cone Disc Blade	*
	DG207	R.H. All Purpose Scraper - for Cone Disc Blade	*
3	DG209	L.H. Wide Pan Scraper Holder	*
	DG210	R.H. Wide Pan Scraper Holder	*
4	DG208	Wide Pan Scraper	*
		STANDARD HARDWARE	
5		5/8" x 2" N.C. Hex Bolt	*
6		1/2" x 1-1/4" N.C. Carriage Bolt	*
7		5/8" x 1-1/2" N.C. Carriage Bolt	*
8		1/2" N.C. Hex Nut	*
9		5/8" N.C. Hex Nut	*
10		1/2" Lockwasher	*
11		5/8" Lockwasher	*

SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG99	Scraper Bar - for 7 Blade Gang	*
	DG100	Scraper Bar - for 8 Blade Gang	*
	DG101	Scraper Bar - for 9 Blade Gang	*
	DG102	Scraper Bar - for 10 Blade Gang	*
	DG103	Scraper Bar - for 11 Blade Gang	*
2	DG200	L.H. Scraper - for Standard Disc Blade	*
	DG201	R.H. Scraper - for Standard Disc Blade	*
	DG202	L.H. Scraper - for Cone Disc Blade	*
	DG203	R.H. Scraper - for Cone Disc Blade	*
3	DG118	Scraper Bar Bracket - Bolted to Gang Beam with U-Bolt # DG18 (Replaced by Bearing Hanger)	*
4		STANDARD HARDWARE	*
5		5/8" x 1-1/2" N.C. Carriage Head Bolt	*
6		5/8" x 2-1/4" N.C. Carriage Head	*
7		5/8" N.C. Hex Nut	*
		5/8" Lockwasher	*

* As Required

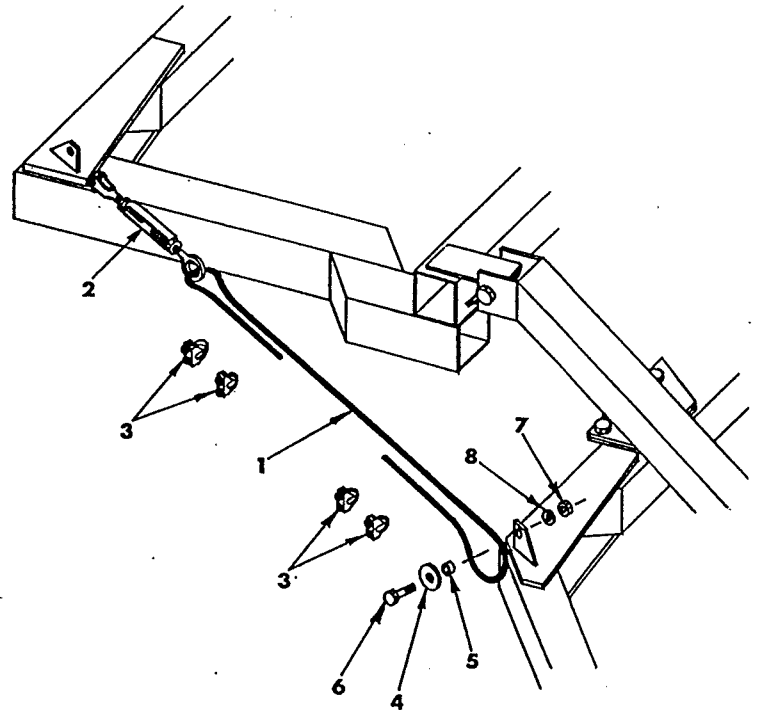
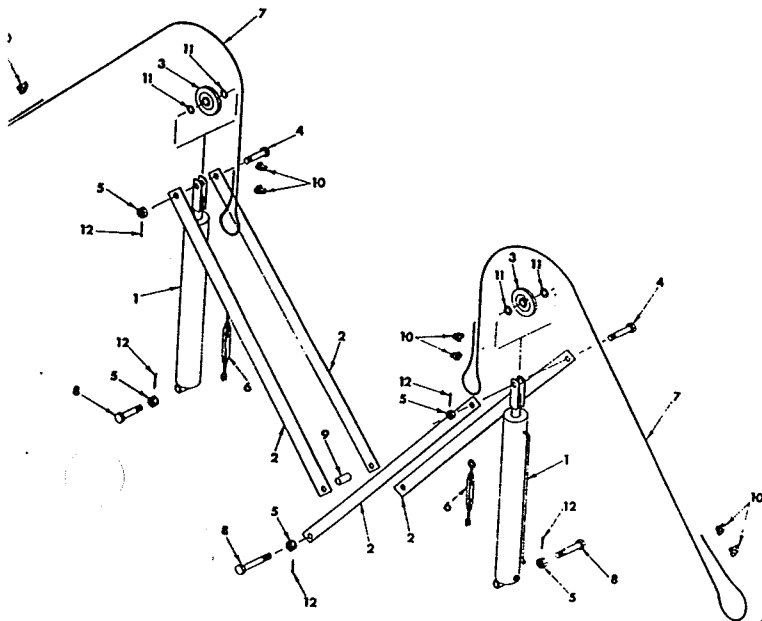
MODEL 900 TANDEM DISC



CENTER TOOTH

Ref. No.	Part No.	Description	Qty. Req'd
1	DTA1	Shank Holder	1
2	DTA2	Hinge	1
3	DT127	Backing Plate	1
4	DT128	Spacer Bar	4
5	DT116	Spring Cushion	4
6	DT117	Spring	2
7	DT123	Pin	1
8	DT110	Shank	1
9	DT111	12" Sweep	1
STANDARD HARDWARE			
10		7/16" x 2" N.C. Plow Bolt #3 Head	2
11		5/8" x 2-1/2" N.C. Hex Bolt	1
12		3/4" x 8-1/2" N.C. Hex Bolt	4
13		3/4" x 12" N.C. Hex Bolt	2
14		7/16" N.C. Hex Nut	2
15		5/8" N.C. Hex Nut	1
16		3/4" N.C. Hex Nut	6
17		7/16" Lockwasher	2
18		5/8" Lockwasher	1
19		3/4" Lockwasher	4
20		3/16" x 1-1/4" Cotter Pin	2

MODEL 900 TANDEM DISC



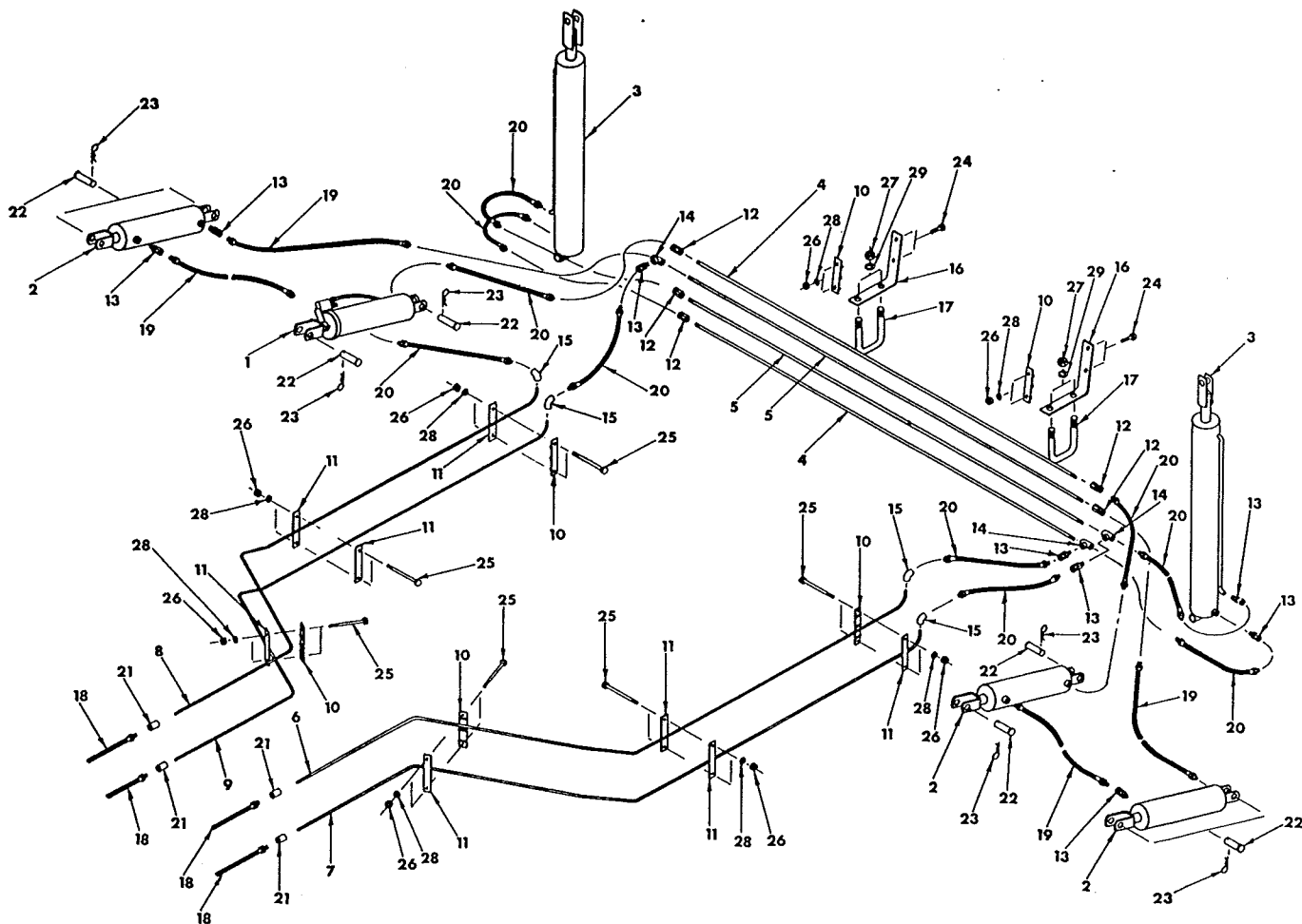
WING LIFT

Ref. No.	Part No.	Description	Qty. Req'd
1	N/A	Wing Lift Cylinder	2
2	N/A	Pivot Strap	4
3	DW63	Cast Pulley	2
4	N/A	1" x 4-1/2" N.C. Hex-Bolt Drilled for Cotter Pin	2
5	N/A	1" N.C. Slotted Nut	5
6	DWA26	5/8" Turnbuckle c/w pin	2
7	N/A	1/2" x 14' Cable	2
8	N/A	1" x 6-1/2" N.C. Hex Bolt Drilled for Cotter Pin	3
9	N/A	Spacer	1
10	N/A	1/2" Cable Clamp	8
11		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
12		3/16" x 1-1/2" Cotter Pin	5

WING BRACE

Ref. No.	Part No.	Description	Qty. Req'd
1	N/A	5/8" x 8' Cable	2
2	N/A	3/4" Turnbuckle c/w pin	2
3	N/A	5/8" Cable clamp	8
4	N/A	Washer	2
5	N/A	Spacer	2
6		3/4" x 2-1/2" N.C. Hex Bolt	2
7		3/4" N.C. Hex Nut	2
8		3/4" Lockwasher	2

MODEL 900 TANDEM DISC

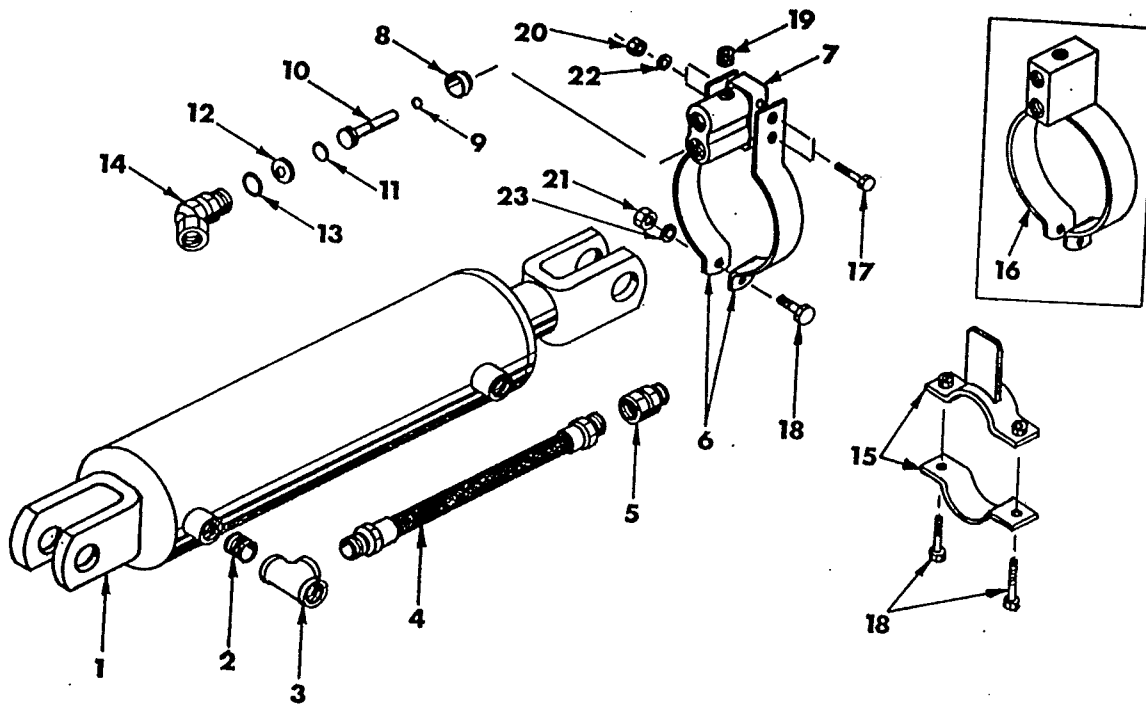


HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	DCB2	3-1/2" Rockshaft Cylinder c/w control valve	1
	DCB3	4" Rockshaft Cylinder c/w control valve	1
2	149	3-1/2" Rockshaft Cylinder	3
	146	4" Rockshaft Cylinder	3
3	147	3-1/2" Wing Lift Cylinder	2
	148	4" Wing Lift Cylinder	2
4	N/A	Top and Bottom Oil Line	2
5	N/A	Center Oil Line	2
6	N/A	L.H. Side Oil Line - Top	1
7	N/A	L.H. Side Oil Line - Bottom	1
8	N/A	R.H. Side Oil Line - Top	1
9	N/A	R.H. Side Oil Line - Bottom	1
10	N/A	Clamp Plate w/3 weld-on lugs	6
11	N/A	Clamp Plate	6
12	L29	3/8" Female Swivel Adapter	5
13	L1619	3/8" Male - Female Swivel Adapter	8
14	L1617	3/8" Tee Joint	3
15	DL11	3/8" 90 Degree Elbow	4

Ref. No.	Part No.	Description	Qty. Req'd
16	N/A	Rear Line Support Bracket	2
17	DW78	U-Bolt	2
18	N/A	3/8" x 72" Hydraulic Hose	4
19	N/A	3/8" x 36" Hydraulic Hose	4
20	N/A	3/8" x 19" Hydraulic Hose	10
21	N/A	3/8" Coupling	4
22	10CP1	Cylinder Pin	8
23	DR129	Hair Pin Cotter	8
24		1/2" x 2-1/4" N.C. Hex Bolt	4
25		1/2" x 6-1/2" N.C. Hex Bolt	12
26		1/2" N.C. Hex Nut	16
27		3/4" N.C. Hex Nut	4
28		1/2" Lockwasher	16
29		3/4" Lockwasher	4

MODEL 900 TANDEM DISC



DEPTH CONTROL CYLINDER

Ref. No.	Part No.	Description	Qty. Req'd
1	149	3-1/2" x 8" Hydraulic Cylinder	1
	146	4" x 8" Hydraulic Cylinder	1
2	N/A	3/8" Male Coupling	1
3	N/A	3/8" Tee Joint	1
4	N/A	3/8" x 10" Hose	1
5	L1619	3/8" Male - Female Swivel Adapter	1
6	DC25	Half Clamp - for 3-1/2" Dia. Cylinder	2
	DC26	Half Clamp - for 4" Dia. Cylinder	2
7	DCA4	Depth Control Assembly - c/w. valve spool, valve sleeve, valve spool o-rings and seal retainer	1
8	DC17	Valve Sleeve	1
9	DC18	O-ring	1
10	DC19	Valve Spool	1
11	DC20	O-ring	1
12	DC21	Seal Retainer	1
13	DC22	O-ring	1
14	DC23	45 degree Swivel Elbow	1
15	DCA5	Depth Control Stop c/w Bolts	
16		Used 1973 and prior replaced by Ref. No. 6 and 7.	
17		1/4" x 2" N.C. Hex Bolt	2
18		5/16" x 1" N.C. Hex Bolt	3
19		5/16" Hex Socket Set Screw	1
20		1/4" N.C. Hex Nut	2
21		5/16" N.C. Hex Nut	1
22		1/4" Lockwasher	2
23		5/16" Lockwasher	1

EZEE-ON DISC CYLINDER PARTS LIST

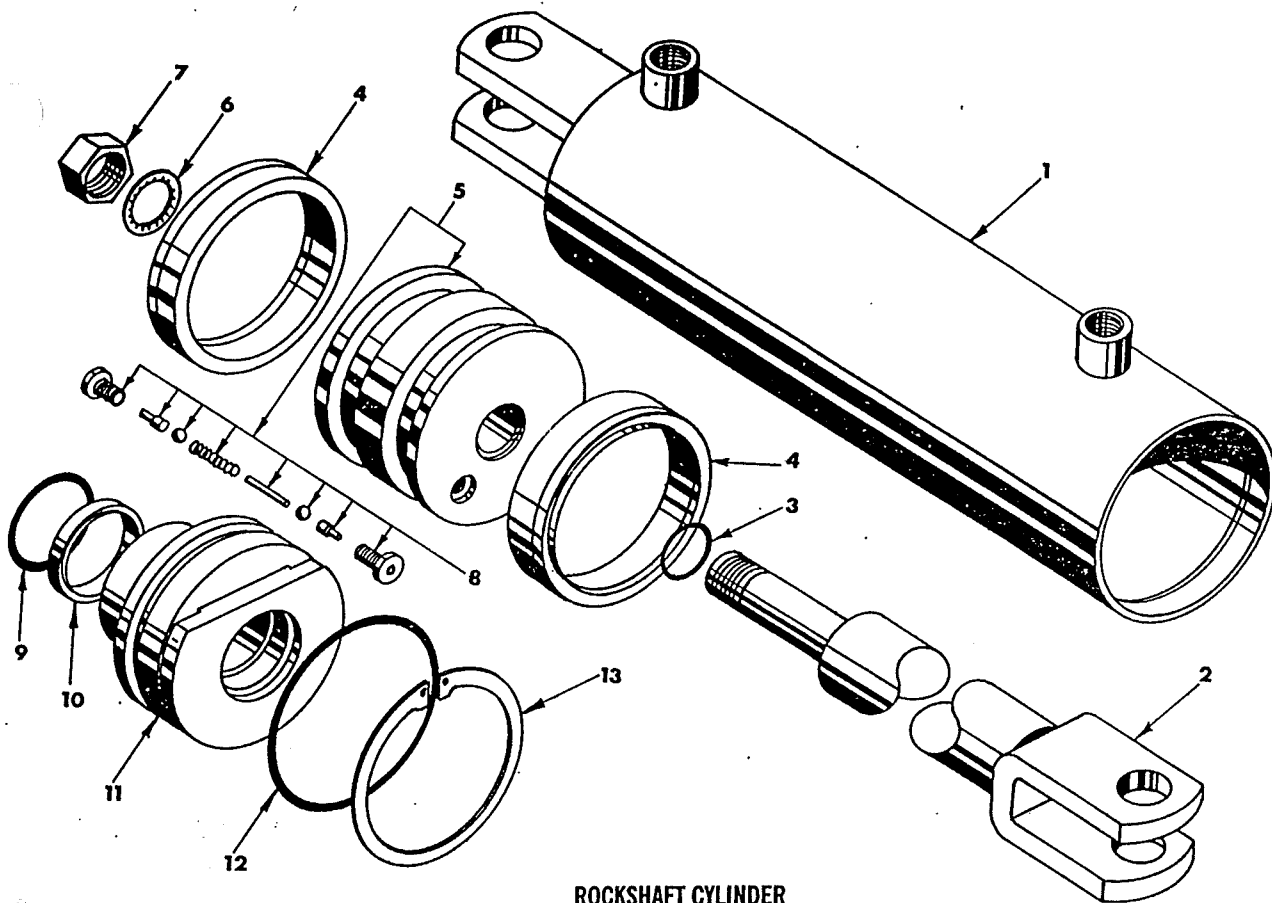
INSTRUCTIONS ON HOW TO USE CYLINDER PARTS LIST

1. Identify type of head cylinder has, snap ring (S2) type or nut (N4) type.
2. Using the Cylinder Specification chart below. Identify Code No. and application of cylinder.
3. With type of cylinder and its application established, locate parts list further in book. Use cylinder Code No. listed in Qty. Req'd column to determine proper part no.

CYLINDER SPECIFICATION CHART

CODE NO.	DIAMETER	STROKE	C.C. LENGTH	SHAFT DIAMETER	TYPE	APPLICATION
50	3-1/2"	8"	20-1/4"	1-1/2"	S2	Rockshaft
51	4"	8"	20-1/4"	1-1/2"	S2	Rockshaft
52	3-1/2"	28"	41-1/2"	1-1/2"	S2	Wing Lift
53	4"	28"	41-1/2"	1-1/2"	S2	Wing Lift
149	3-1/2"	7-7/8"	20-3/8"	1-1/2"	N4	Rockshaft
146	4"	7-7/8"	20-3/8"	1-1/2"	N4	Rockshaft
147	3-1/2"	28"	41-1/2"	1-1/2"	N4	Wing Lift
148	4"	28"	41-1/2"	1-1/2"	N4	Wing Lift

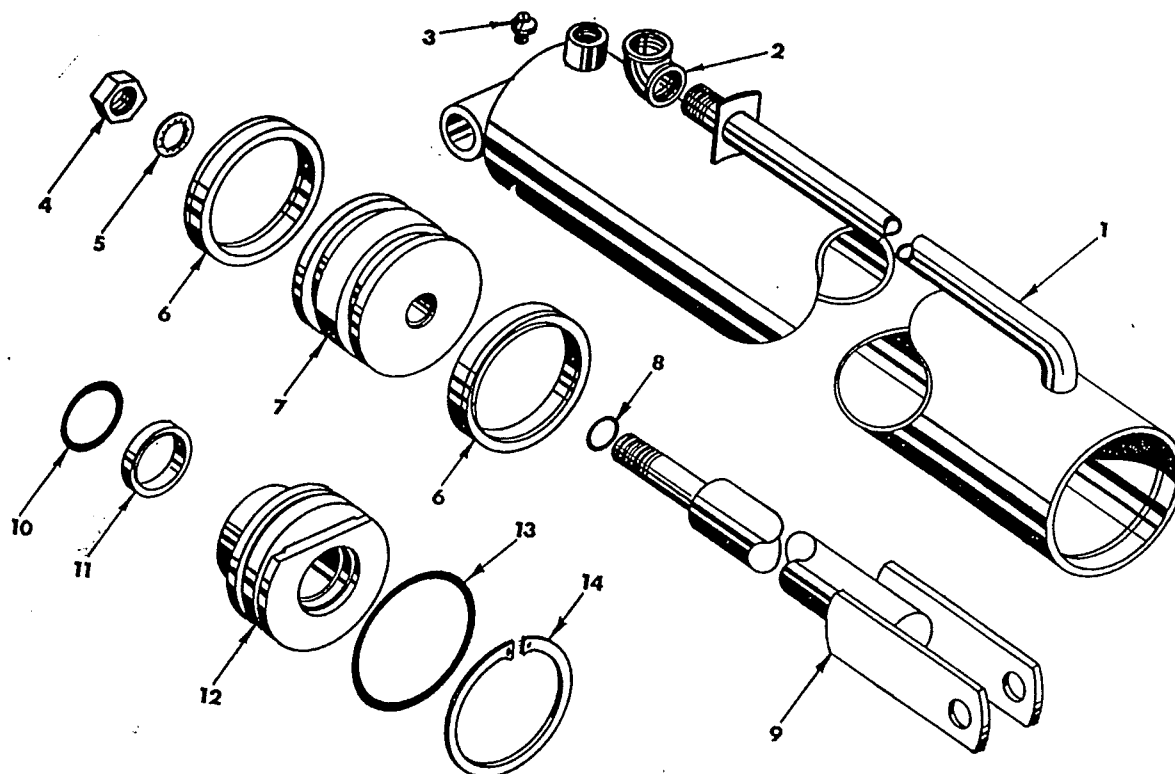
MODEL 900 TANDEM DISC



ROCKSHAFT CYLINDER
(S2 SNAP RING TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #50	Cylinder Code #51
1	35TU4	Tube Assembly	1	
	40TU2	Tube Assembly		1
2	10SH20	Shaft	1	1
3	100R9	O-Ring - if copper washer is used order # 10CW1	1	1
4	35CU2	U-Cup - 3/8" wide	2	
	35CU3	U-Cup - 5/8" wide	2	
	40CU1	U-Cup - 3/8" wide		2
	40CU2	U-Cup - 5/8" wide		2
5	35PB1	Plunger Block c/w By- Pass Valve - uses 3/8" wide cup	2	
	35PB3	Plunger Block c/w By-Pass Valve - uses 5/8" wide cup	2	
	40PB1	Plunger Block c/w By- Pass Valve - uses 3/8" wide cup		2
	40PB3	Plunger Block c/w By-Pass Valve - uses 5/8" wide cup		2
6	10SW1	Star Washer - 3/4" I.D.	1	1
7	10NU1	Nut - 3/4" N.F. Nut	1	1
8	10BV1	By-Pass Valve Kit	1	1
9	100R10	O-Ring	1	1
10	10WS1	Wiper Seal	1	1
11	35HP3	Head Plate	1	
	40HP2	Head Plate		1
12	100R8	O-Ring	1	
	100R11	O-Ring		1
13	35SR1	Snap Ring	1	
	40SR1	Snap Ring		1

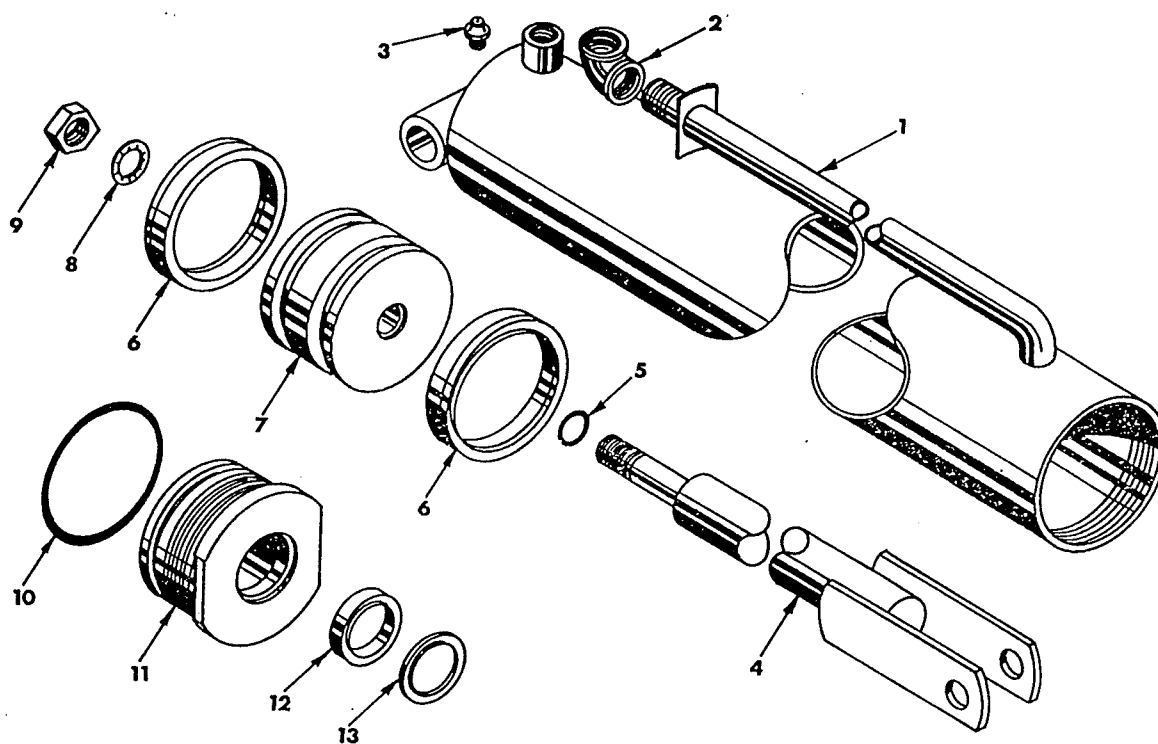
MODEL 900 TANDEM DISC



WING LIFT CYLINDER
(S2 SNAP RING TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #52	Cylinder Code #53
1	35TU5	Tube Assembly	1	
2	40TU3	Tube Assembly		1
3	10EL1	Elbow	1	1
4	10GN1	Grease Nipple (1/4" - 28")	1	1
5	10NU2	Nut 1" N.F.	1	1
6	10SW2	Star Washer 1" I.D.	1	1
	35CU2	U-Cup - 3/8" wide	2	
	35CU3	U-Cup - 5/8" wide	2	
	40CU1	U-Cup - 3/8" wide		2
	40CU2	U-Cup - 5/8" wide		2
7	35PB2	Plunger Block - uses 3/8" cups	1	
	35PB4	Plunger Block - uses 5/8" cups	1	
	40PB2	Plunger Block - uses 3/8" cups		1
	40PB4	Plunger Block - uses 5/8" cups		1
8	10OR12	O-Ring- if copper washer is used order # 10CW2	1	1
9	10SH24	Shaft	1	1
10	10OR10	O-Ring	1	1
11	10WS1	Wiper Seal	1	1
12	35HP3	Head Plate	1	
	40HP2	Head Plate		1
13	10OR8	O-Ring	1	
	10OR11	O-Ring		1
14	35SR1	Snap Ring	1	
	40SR1	Snap Ring		1

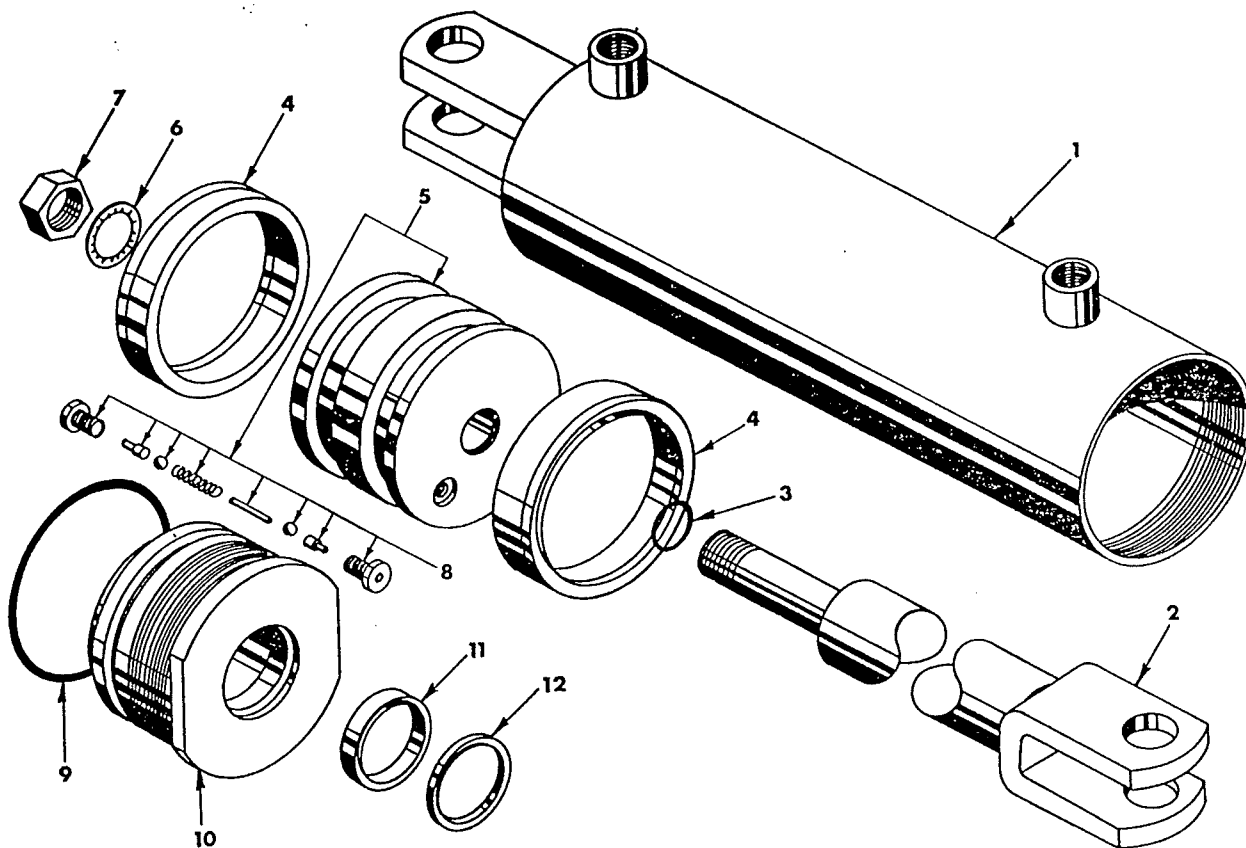
MODEL 900 TANDEM DISC



WING LIFT CYLINDER (N4 NUT TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #147	Cylinder Code #148
1	35TU6 40TU4	Tube Assembly Tube Assembly	1	1
2	10EL1	Elbow	1	1
3	10GN1	Grease Nipple	1	1
4	10SH23 10SH24	Shaft Shaft	1	1
5	10OR12	O-Ring	1	1
6	35CU2 40CU1	U-Cup - 3/8" wide U-Cup - 3/8" wide	2	2
7	35PB5 40PB2	Plunger Block Plunger Block	1	1
8	10SW2	Star Washer 1" I.D.	1	1
9	10NU2	Nut - 1" N.F. Hex	1	1
10	10OR8 10OR11	O-Ring O-Ring	1	1
11	35HP2 40HP3	Head Plate Head Plate	1	1
12	10RS1	Rod Seal	1	1
13	10WS1	Wiper Seal	1	1

MODEL 900 TANDEM DISC



ROCKSHAFT CYLINDER (N4 NUT TYPE)

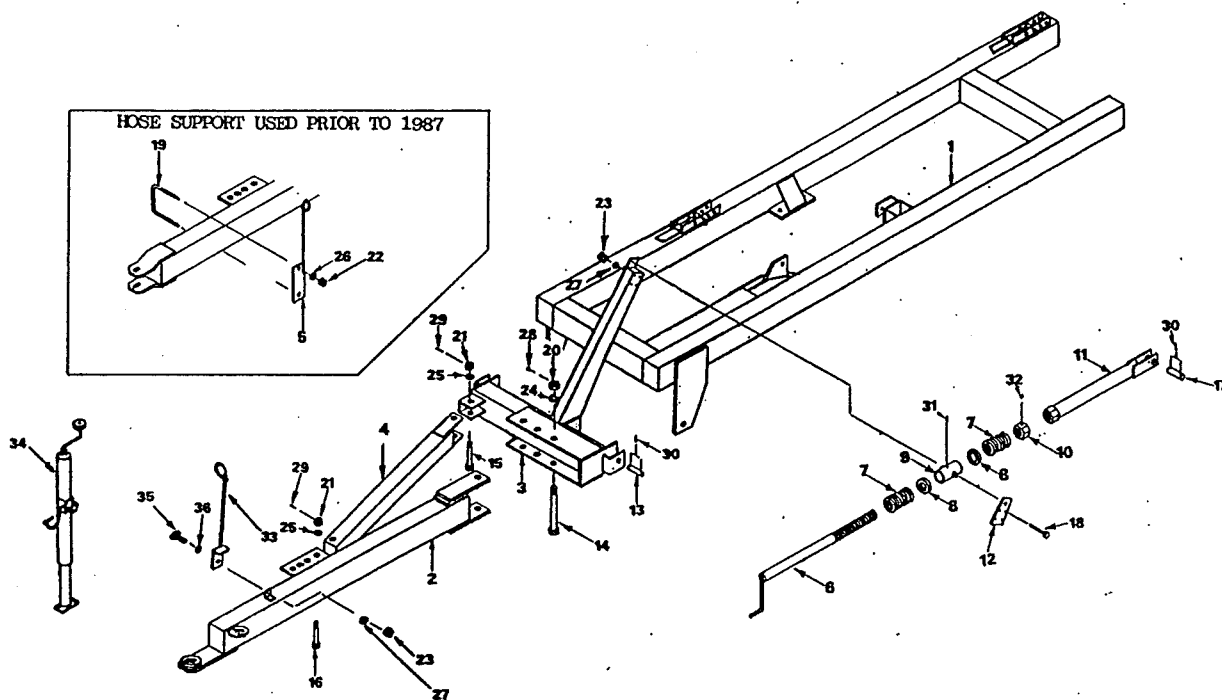
Ref. No.	Part No.	Description	Qty. Req'd	
			Cylinder Code #149	Cylinder Code #146
1	35TU3	Tube Assembly	1	
	40TU1	Tube Assembly		1
2	10SH20	Shaft	1	1
3	100R9	O-Ring	1	1
4	35CU2	U-Cup - 3/8" wide	2	
	40CU1	U-Cup - 5/8" wide		2
5	35PB1	Plunger Block c/w By Pass-Valve	1	
	40PB1	Plunger Block c/w By Pass-Valve		1
6	10SW1	Star Washer - 3/4" I.D.	1	1
7	10NU1	Nut 3/4" N.F. Hex Nut	1	1
8	10BV1	By-Pass Valve Kit	1	1
9	100R8	O-Ring	1	
	100R11	O-Ring		1
10	35HP2	Head Plate	1	
	40HP1	Head Plate		1
11	10RS1	Rod Seal	1	1
12	10WS1	Wiper Seal	1	1

MODEL 900 TANDEM DISC

CYLINDER SEAL KITS

Kit No.	Contents	Fits Cylinder Code No.
N3515S2	2- 35CU2 - 3/8" wide U-Cup 1- 100R12 - O-Ring 1- 100R9 - O-Ring 1- 100R10 - O-Ring 1- 10WS1 - Wiper Seal 1-35SR1 - Snap Ring 1-100R8 - O-Ring	50 and 52 w/3/8" wide U-Cups
W3515S2	2-35CU3 - 5/8" wide U-Cup 1-100R12 - O-Ring 1-100R9 - O-Ring 1-100R10 - O-Ring 1-10WS1 - Wiper Seal 1-100R8 - O-Ring 1-35SR1 - Snap Ring	50 and 52 w/5/8" wide U-Cups
N4015S2	2-40CU1 - 3/8" wide U-Cup 1-10R9 - O-Ring 1-100R10 - O-Ring 1-100R12 - O-Ring 1-10WS1 - Wiper Seal 1-100R11 - O-Ring 1-40SR1 - Snap Ring	51 and 53 5/8" wide U-Cups
N4015S2	2-40CU2 - 5/8" wide U-Cup 1-100R9 - O-Ring 1-100R10 - O-Ring 1-100R12 - O-Ring 1-10WS1 - Wiper Seal 1-100R11 - O-Ring 1-40SR1 - Snap Ring	51 and 53 5/8" wide U-Cup
N3515N4	2-35CU2 - 3/8" wide U-Cup 1-100R9 - O-Ring 1-100R12 - O-Ring 1-100R8 - O-Ring 1-10RS1 - Rod Seal 1-10WS1 - Wiper Seal	149 and 147
N4015N4	2-40CU1 - 3/8" wide U-Cup 1-100R9 - O-Ring 1-100R12 - O-Ring 1-100R11 - O-Ring 1-10RS1 - Rod Seal 1-10WS1 - Wiper Seal	146 and 148

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 DISC

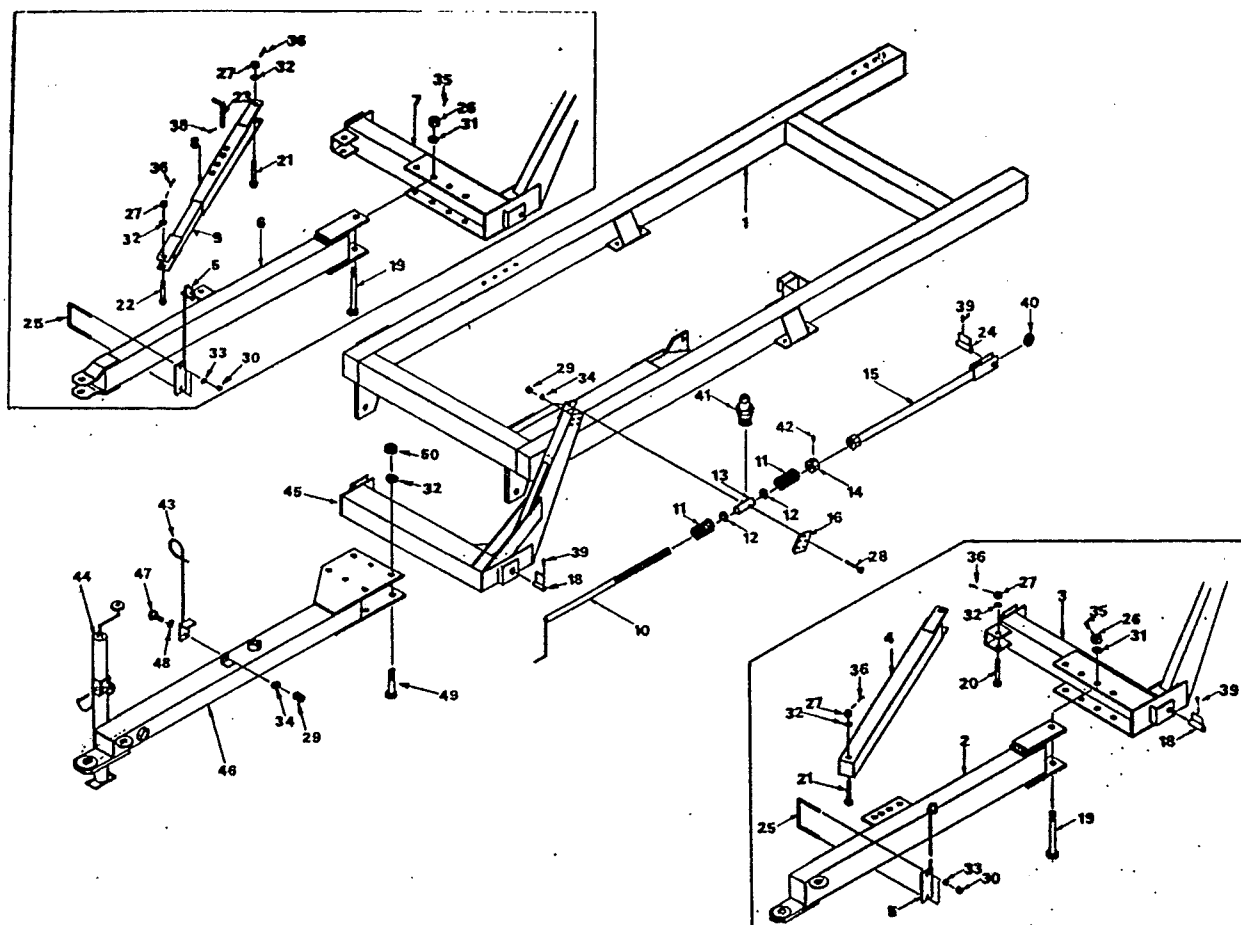


FRAME, HITCH & LEVELLING CRANK - MODEL 1001-1005

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB7400	Frame c/w cylinder lug	1
2	DHA7073	Tongue	1
3	DHA7427	Draw bar	1
4	DHA7074	Brace	1
5	DHA7064	Hose support assembly (used prior to 1987)	1
6	DCA3	Levelling crank	1
7	DH1	Compression spring - levelling crank	2
8	DC15	Thrust bearing - Timken #T199	2
9	DCA5184	Bearing tube - levelling crank	1
10	DH5	2" N.C. heavy hex nut - drilled for set screw	1
11	DCA7446	Levelling crank	1
12	DH5146	Levelling arm link	1
	DH8562	1-1/4" x 4-1/2" hitch pin	2
	DH5164	1-1/2" x 11" N.C. hex bolt - drilled for cotter pin	1
15	DH7104	1" x 6-1/2" N.C. hex bolt - drilled for cotter pin	1
16	DH76	1" x 6" N.C. hex bolt - drilled for cotter pin	1
17	DH7077	Levelling link lock-up pin	1
18		1/2" x 5" N.C. hex bolt	4

Ref. No.	Part No.	Description	Qty. Req'd
19		3/4" x 6" U-bolt - for hose support	1
20	DH5165	1-1/2" N.C. slotted hex nut	1
21	L1574	1" N.C. finished full slotted hex nut	2
22		3/4" N.C. hex nut	2
23		1/2" N.C. hex nut	5
24		1-1/2" lockwasher	1
25		1" lockwasher	2
26		3/4" lockwasher	2
27		1/2" lockwasher	5
28		5/16" x 2-1/4" cotter pin	1
29		3/16" x 1-1/2" cotter pin	2
30		1/4" x 1-1/2" cotter pin	6
31	10GN1	1/4" - 28 grease fitting	1
32		1/2" x 1" N.C. square head set screw	1
33	DHA5161	Hose support	1
34	DHB5170	Hitch jack (optional)	1
35		1/2" x 1-1/2" N.C. hex bolt	1
36		1-3/4" x 9/16" I.D. flatwasher	1

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC

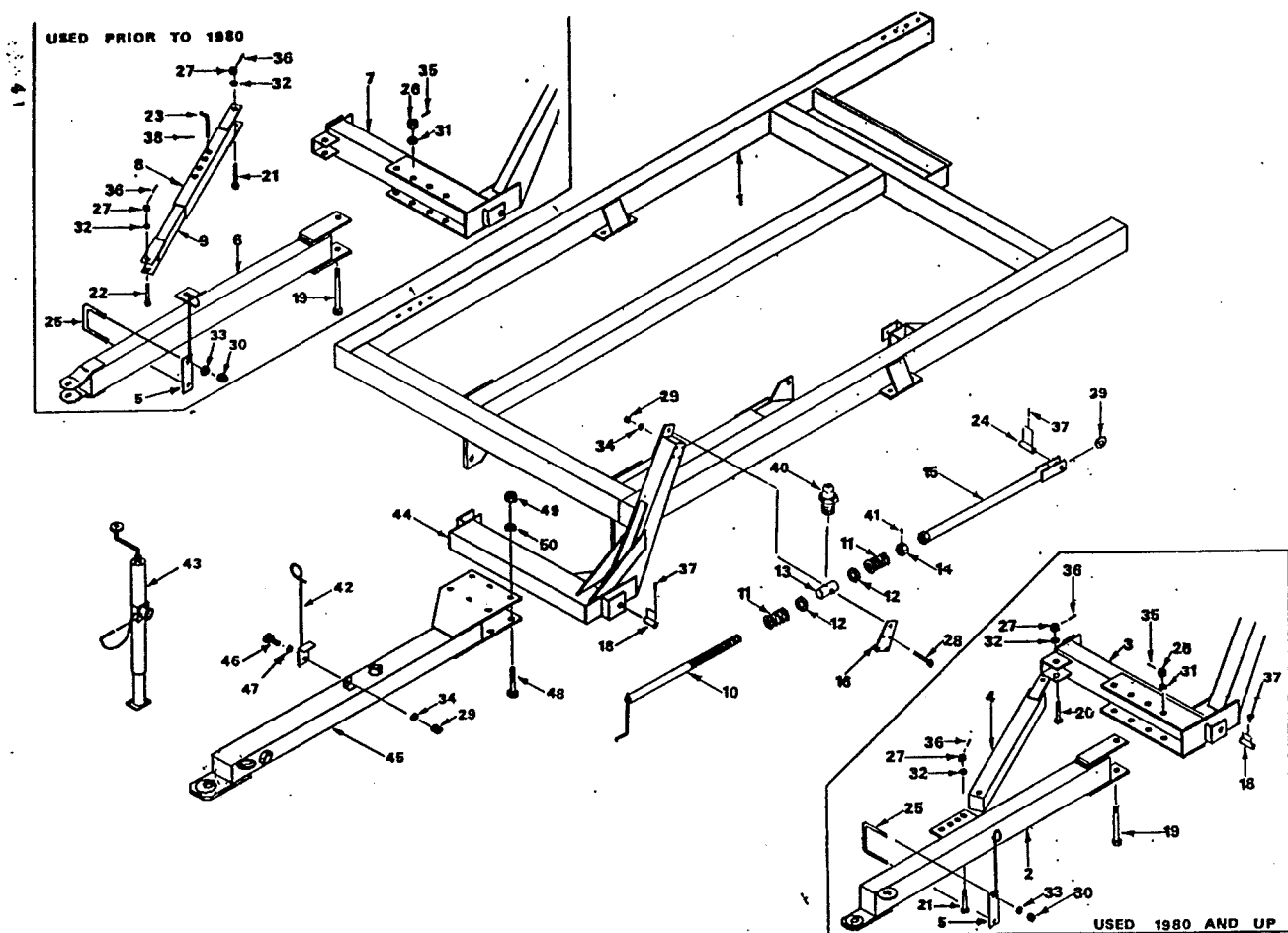


FRAME, HITCH & LEVELLING CRANK - MODEL 1201-1205

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB7022	Frame c/w cylinder lug	1
2	DHA7073	Tongue (new style: July/80)	1
3	DHA7076	Draw bar assembly (new style: July/80)	1
4	DHA7074	Brace (new style: July/80)	1
5	DHA7064	Hose support assembly (used prior to 1987)	1
6	DHA15	Tongue (old style)	1
7	DHA7057	Draw bar assembly (old style)	1
8	DHA19	Female half of tongue brace assembly	1
9	DHA20	Male half of tongue brace assembly	1
10	DCA3	Levelling crank	1
11	DH1	Compression spring - levelling crank	2
12	DC15	Thrust bearing - Timken #T199	2
13	DCA5184	Bearing tube - levelling crank	1
14	DH5	2" N.C. heavy hex nut - drilled for set screw	1
15	DCA5181	Levelling link	1
16	DH5146	Levelling arm lug	1
17	DF37	Gang beam retainer pin	2
18	DH8562	1-1/4" x 4-1/2" hitch pin	2
19	DH5164	1-1/2" x 11" N.C. hex bolt - drilled for cotter pin	1
20	DH7104	1" x 6-1/2" N.C. hex bolt w/1 hole - drilled bolt	1
21	DH76	1" x 6" N.C. hex bolt w/1 hole - drilled bolt	1
22	DH75	1" x 5" N.C. hex bolt w/1 hole - drilled bolt	1
23	DH7105	Brace pin	1
24	DH7077	Levelling link lock-up pin	1
25		3/4" x 6" U-bolt - for hose support	1

Ref. No.	Part No.	Description	Qty. Req'd
26	DH5165	1-1/2" N.C. slotted hex nut	1
27	L1574	1" N.C. finished full slotted hex nut	2
28		1/2" x 5" N.C. hex bolt	4
29		1/2" N.C. hex nut	5
30		3/4" N.C. hex nut	2
31		1-1/2" lockwasher	1
32		1" lockwasher	8
33		3/4" lockwasher	2
34		1/2" lockwasher	5
35		5/16" x 2-1/4" cotter pin	1
36		3/16" x 1-1/2" cotter pin	2
37		1/4" x 1-1/4" cotter pin	2
38	DR129	0.148" dia. x 1-15/16" hair pin cotter	1
39		1/4" x 1-1/2" cotter pin	6
40		2-1/2" O.D. x 1-9/16" I.D. x 1/4" spacer washer	2
41	10GN1	1/4" - 28 grease fitting	1
42		Set screw	1
43	DHA5161	Hose support	1
44	DHB5170	Hitch jack (optional)	1
45	DHA7216	Draw bar (used 1985 and later)	1
46	DHA7224	Tongue (used 1985 and later)	1
47		1/2" x 1-1/2" N.C. hex bolt	1
48		1-3/4" O.D. x 9/16" I.D. flatwasher	6
49		1" x 6-1/2" N.C. hex bolt	6
50		1" N.C. hex nut	6

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



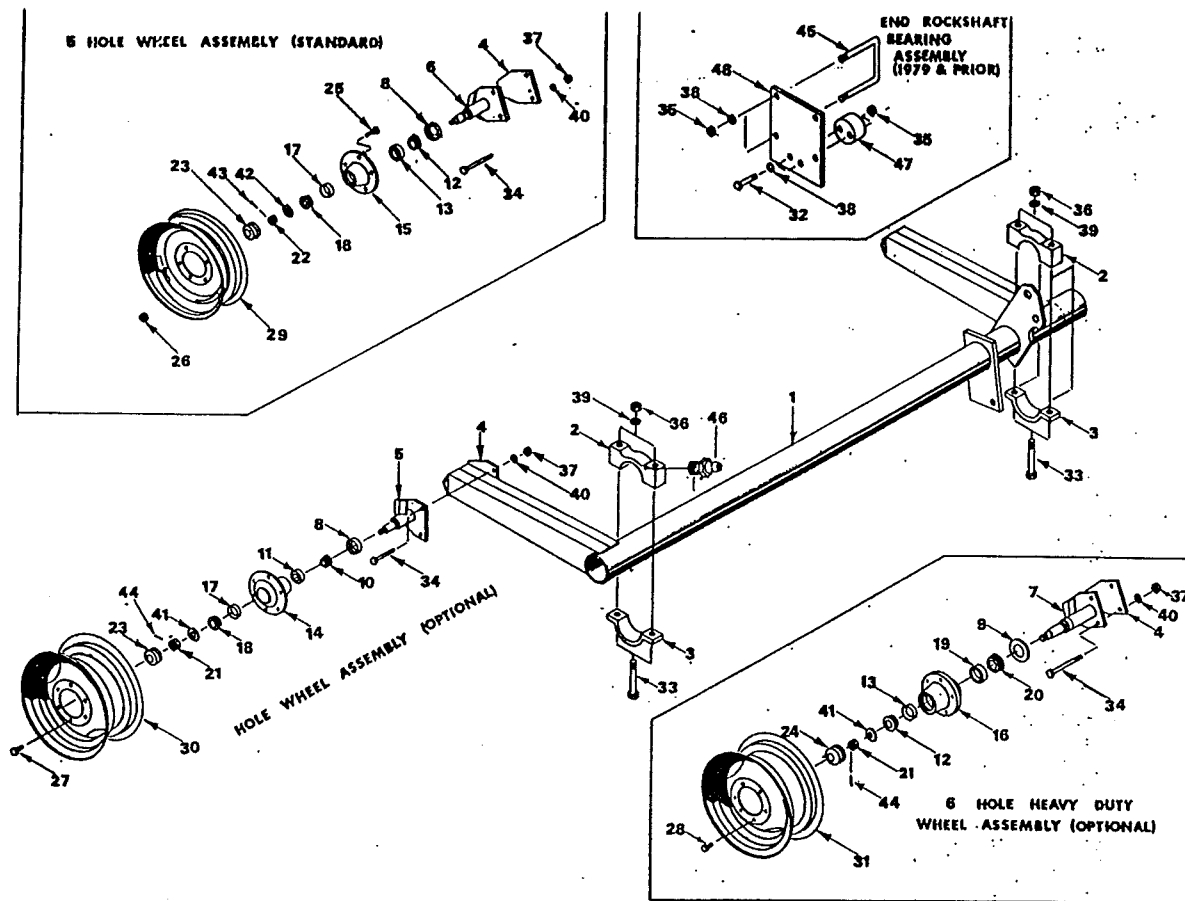
FRAME, HITCH & LEVELLING CRANK - MODEL 1401-1405

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB7200	Frame c/w cylinder lug and gang pins. (Frame with end type rockshaft bearing, order frame & rockshaft)	1
2	DHA7073	Tongue (used 1980 and up)	1
3	DHA7076	Draw Bar (used 1980 and up)	1
4	DHA7074	Brace (used 1980 and up)	1
5	DHA7064	Hose support assembly (used prior to 1987)	1
6	DHA15	Tongue (used prior to 1980)	1
7	DHA7057	Draw Bar assembly (used prior to 1980)	1
8	DHA19	Female half of tongue brace assembly (used prior to 1980)	1
9	DHA20	Male half of tongue brace assembly (used prior to 1980)	1
10	DCA3	Levelling crank	1
11	DH1	Compression spring - levelling crank	2
12	DC15	Thrust bearing - Timken #T199	2
13	DCA5184	Bearing tube - levelling crank	1
14	DH5	2" N.C. Heavy hex nut - drilled for set screw	1
15	DCA5181	Levelling link	1
16	DH5146	Levelling arm lug	1
18	DH8562	1-1/4" x 4-1/2" hitch pin	2
19	DH5164	1-1/2" x 11" N.C. hex bolt - drilled for cotter pin	1
20	DH7104	1" x 6-1/2" N.C. hex bolt - drilled for cotter pin	1
21	DH76	1" x 6" N.C. hex bolt - drilled for cotter pin	1
22	DH75	1" x 5" N.C. hex bolt - drilled for cotter pin	1
23	DH7105	Hitch brace pin (used prior to 1980)	1
24	DH7077	Levelling crank pin	1
25	DG18	U-bolt	1
26	DH5165	1-1/2" N.C. hex slotted hex nut	1

Ref. No.	Part No.	Description	Qty. Req'd
27	L1574	1" N.C. finished full slotted hex nut	2
28		1/2" x 5" N.C. hex bolt	4
29		1/2" N.C. hex nut	4
30		3/4" N.C. hex nut	*
31		2-1/2" O.D. x 1-9/16" I.D. washer	1
32		2" O.D. x 1-1/16" I.D. washer	2
33		3/4" lockwasher	*
34		1/2" lockwasher	4
35		5/16" x 2-1/4" cotter pin	1
36		3/16" x 1-1/2" cotter pin	2
37		1/4" x 1-1/2" cotter pin	
38	DR129	.148" dia. x 2-5/16" hair pin cotter (Spae-naur #CP-72H)	
39		2-1/2" O.D. x 1-9/16" I.D. spacer washer	2
40	10GN1	1/4" - 28 grease fitting	1
41		1/2" x 1" N.C. square head set screw	1
42	DHA5161	Hose support	
43	DHB5170	Hitch jack (optional)	
44	DHA7216	Draw bar (used 1985 and later)	
45	DHA7224	Tongue (used 1985 and later)	
46		1/2" x 1-1/2" N.C. hex bolt	1
47		1-3/4" O.D. x 9/16" I.D. flatwasher	1
48		1" x 6-1/2" N.C. hex bolt	6
49		1" N.C. hex nut	6
50		1" lockwasher	6

* As Required

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



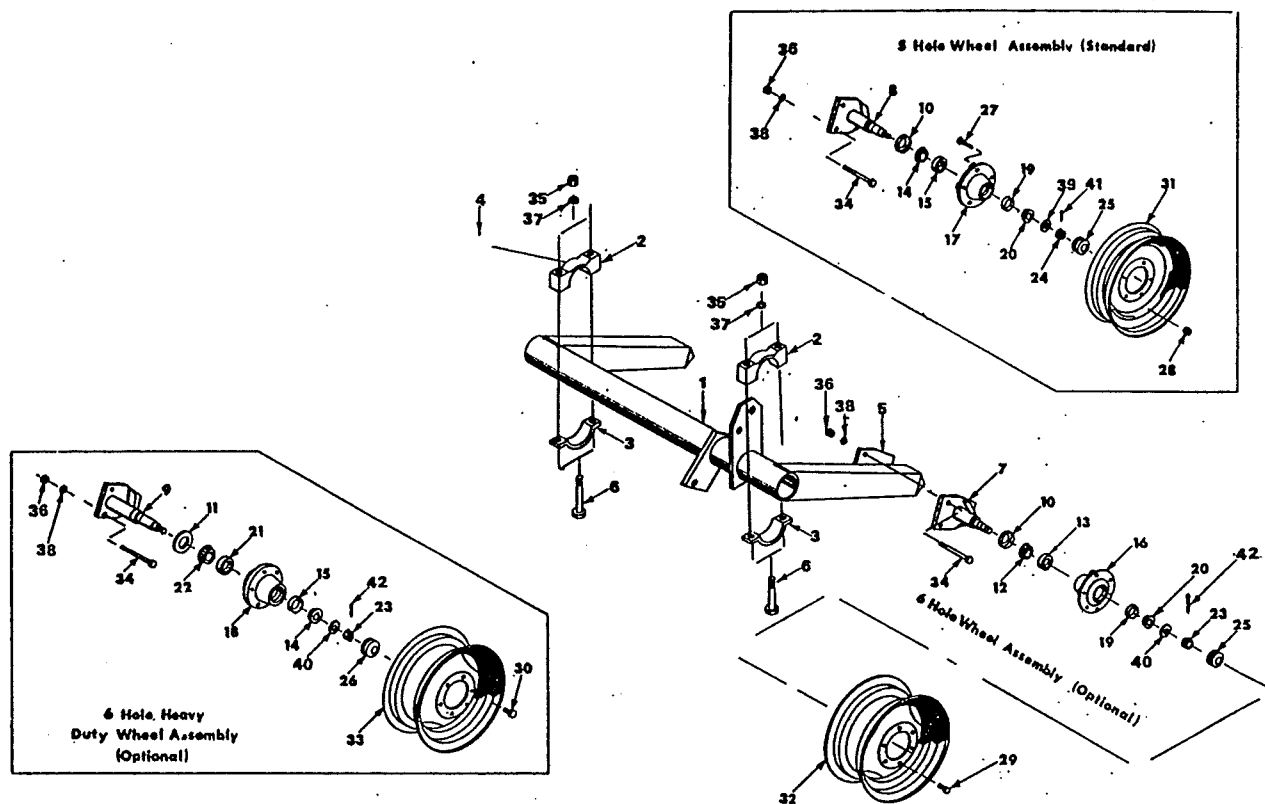
ROCKSHAFT & WHEEL - MODEL 1201-1205-1401-1405

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA7035	Rockshaft (Model 1201) Mounted w/end bearings (used 1979 and prior)	1
	DRA7241	Rockshaft (Model 1201) - Shown (used after 1979)	1
	DRA7048	Rockshaft (Model 1401) Mounted w/end bearings (used 1979 and prior)	1
	DRA7245	Rockshaft (Model 1401) - Shown (used after 1979)	1
2	DR9070	Rockshaft Bearing (top)	3
3	DR9071	Rockshaft Bearing (bottom)	3
4	DR76	Axle backing plate	*
5	DRA6	Axle assembly	*
6	DRA2	Axle assembly	*
7	DRA8	Axle assembly	*
8	DR85	Grease seal	*
9	DR122	Grease seal	*
10	DR108	Cone Bearing #LM 29749	*
11	DR106	Cup #LM 29710	*
12	DR91	Cone Bearing #LM 48548	*
13	DR92	Cup #LM 48510	*
14	DRA7	Hub c/w cups	*
15	DRA3	Hub c/w cups	*
16	DRA9	Hub c/w cups	*
17	DR90	Cup #LM 67010	*
18	DR89	Cone Bearing #LM 67048	*
19	DR118	Cup #LM 25520	*
20	DR120	Cone Bearing #LM 25580	*
21	DR110	1" N.F. hex slotted nut	*
22	DR83	7/8" N.F. hex slotted nut	*
23	DR88	Hub cap	*
24	DR123	Hub cap	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
25	DR87	Wheel bolts	*
26	DR86	Tapered wheel nut 1/2" N.F.	*
27	DR111	Wheel Studs	*
28	DR125	Wheel Studs	*
29	DR93	15" x 5" - 5 hole rim (use 7.60 x 15 tire)	*
30	DR126	15" x 6" - 6 hole rim (use 7.60 x 15 or 9.5L x 15 tire)	*
31	DR127	15" x 8" - 6 hole rim (use 9.5L x 15 or 11L x 15 tire)	*
32		7/8" x 3-1/4" N.C. hex bolt	4
33		3/4" x 5-1/2" N.C. hex bolt	6
34		5/8" x 6" N.C. hex bolt	6
35		7/8" N.C. hex nut	4
36		3/4" N.C. hex nut	6
37		5/8" N.C. hex nut	6
38		7/8" lockwasher	4
39		3/4" lockwasher	6
40		5/8" lockwasher	6
41		2" O.D. x 1-1/16" x 1/8" flatwasher	*
42		1-3/4" O.D. x 15/16" I.D. x 1/8" flatwasher	*
43		3/16" x 1" cotter pin	*
44		3/16" x 1-1/4" cotter pin	*
45	DG5314	7/8" x 6" U-bolt	4
46	10GN1	Grease fitting	*
47	DR7041	Bearing Block - end mount type bearing (used 1979 and prior)	2
48	DR7046	Bearing mounting plate - end mount type bearing (used 1979 and prior)	2

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



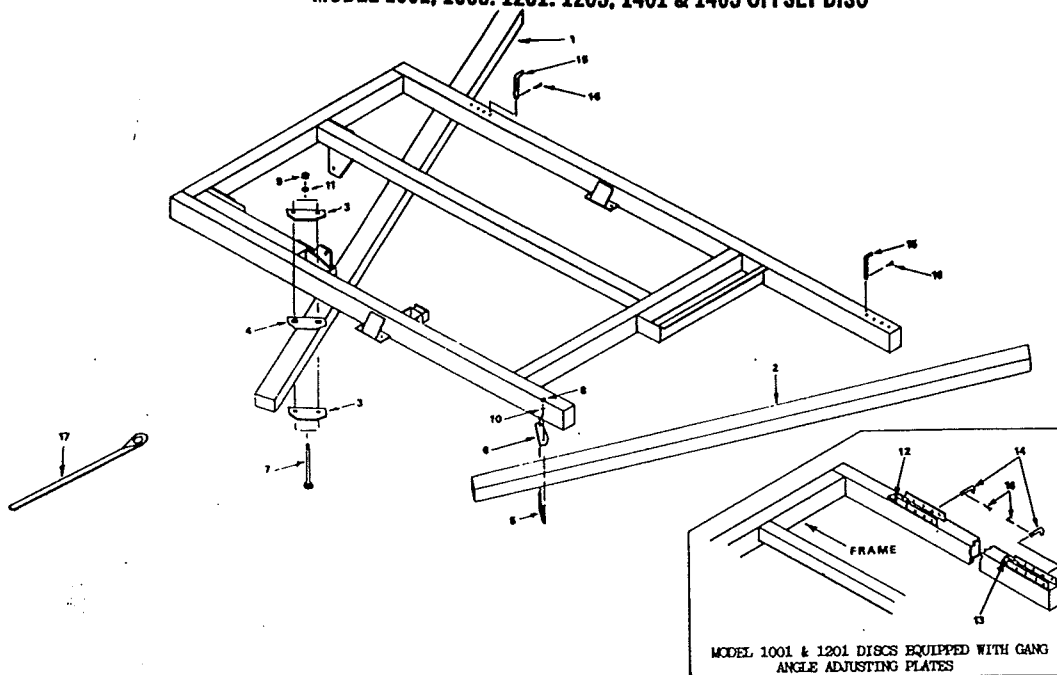
ROCKSHAFT & WHEEL - MODEL 1001-1005

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA7421	Rockshaft	1
2	DR9070	Rockshaft bearing - top half	2
3	DR9071	Rockshaft bearing - bottom half	2
4	10GN1	1/4" - 28 grease fitting	2
5	DR76	Axle backing plate	2
6		3/4" x 5-1/2" N.C. hex bolt	*
7	DRA6	Axle assembly	*
8	DRA2	Axle assembly	*
9	DRA8	Axle assembly	*
10	DR85	Grease seal	*
11	DR122	Grease seal	*
12	DR108	Cone bearing - #LM 29749	*
13	DR106	Cup - #LM 29710	*
14	DR91	Cone bearing - #LM 48548	*
15	DR92	Cup - #LM 48510	*
16	DRA7	Hub c/w cups	*
17	DRA3	Hub c/w cups	*
18	DRA9	Hub c/w cups	*
19	DR90	Cup - #LM 67010	*
20	DR89	Cone bearing - #LM 67048	*
21	DR118	Cup - #LM 25520	*
22	DR120	Cone bearing - #LM 25580	*

Ref. No.	Part No.	Description	Qty. Req'd
23	DR110	1" N.F. slotted hex nut	*
24	DR83	7/8" N.F. slotted hex nut	*
25	DR88	Hub cap	*
26	DR123	Hub cap	*
27	DR87	Wheel bolt	*
28	DR86	Tapered wheel nut - 1/2" N.F.	*
29	DR111	Wheel studs	*
30	DR125	Wheel studs	*
31	DR93	15" x 5" - 5 bolt rim (use 7.60 x 15 tire)	*
32	DR126	15" x 6" - 6 bolt rim (use 7.60 x 15 or 9.5L x 15 tire)	*
33	DR127	15" x 8" - 6 bolt rim (use 9.5L x 15 or 11L x 15 tire)	*
34		5/8" x 6" N.C. hex bolt	*
35		3/4" N.C. hex nut	*
36		5/8" N.C. hex nut	*
37		3/4" lockwasher	*
38		5/8" lockwasher	*
39		1-3/4" O.D. x 15/16" I.D. x 1/8" flatwasher	*
40		2" O.D. x 1-1/16" I.D. x 1/8" flatwasher	*
41		3/16" x 1" cotter pin	*
42		3/16" x 1-1/4" cotter pin	*

* As Required

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



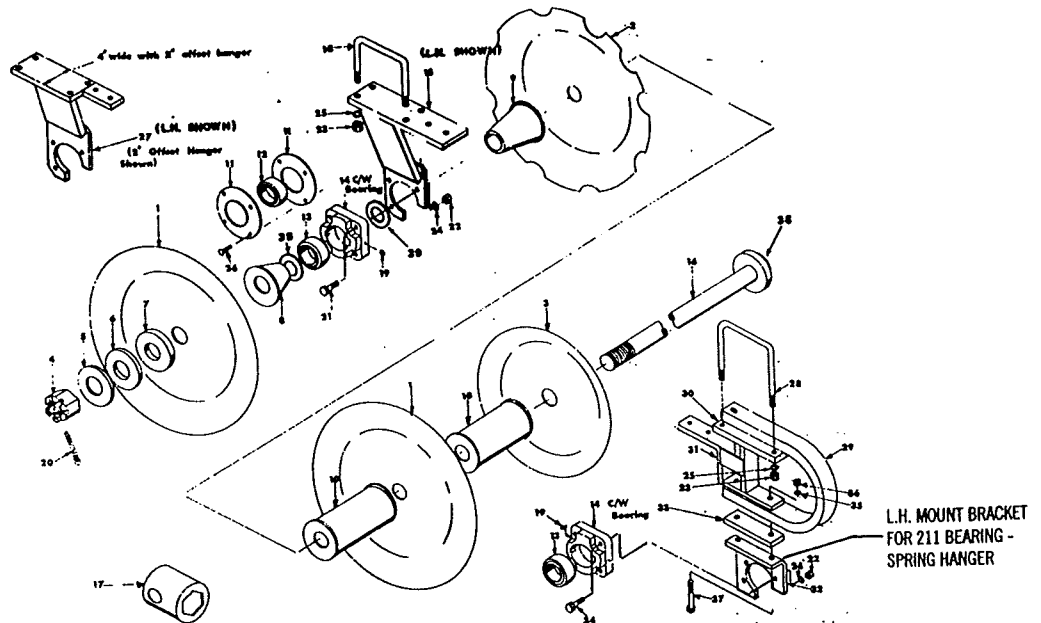
SOLID GANG BEAM - MODELS 1001, 1005, 1201, 1205, 1401 & 1405

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS72	FRONT GANG BEAM - 9" SPACING MODEL - 1001	
	DBS84	72" Gang Beam - 17 Blade Disc	1
	DBS102	84" Gang Beam - 21 Blade Disc	1
	DBS102	102" Gang Beam - 25 Blade Disc	1
	DBS72	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1001	
	DBS90	72" Gang Beam - 15 Blade Disc	1
	DBS108	90" Gang Beam - 19 Blade Disc	1
	DBS108	108" Gang Beam - 23 Blade Disc	1
	DBS108	FRONT GANG BEAM - 9" SPACING MODEL - 1201	
	DBS126	108" Gang Beam - 25 Blade Disc	1
	DBS144	126" Gang Beam - 29 Blade Disc	1
	DBS144	144" Gang Beam - 33 Blade Disc	1
	DBS162	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1201	
	DBS162	162" Gang Beam - 37 Blade Disc	1
	DBS114	FRONT GANG BEAM - 9" SPACING MODEL - 1401	
	DBS126	114" Gang Beam - 23 Blade Disc	1
	DBS144	126" Gang Beam - 25 Blade Disc	1
	DBS144	144" Gang Beam - 29 Blade Disc	1
	DBS162	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1401	
	DBS162	162" Gang Beam - 33 Blade Disc	1
	DBS126	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1201	
	DBS144	126" Gang Beam - 27 Blade Disc	1
	DBS144	144" Gang Beam - 31 Blade Disc	1
	DBS162	162" Gang Beam - 35 Blade Disc	1
	DBS144	FRONT GANG BEAM - 9" SPACING MODEL - 1401	
	DBS162	144" Gang Beam - 33 Blade Disc	1
	DBS180	162" Gang Beam - 37 Blade Disc	1
	DBS198	180" Gang Beam - 41 Blade Disc	1
	DBS216	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1401	
	DBS216	216" Gang Beam - 45 Blade Disc	1
	DBS234	234" Gang Beam - 49 Blade Disc	1
	DBS234	234" Gang Beam - 53 Blade Disc	1
	DBS144	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1401	
	DBS162	144" Gang Beam - 29 Blade Disc	1
	DBS162	162" Gang Beam - 33 Blade Disc	1
	DBS186	186" Gang Beam - 37 Blade Disc	1
	DBS210	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1401	
	DBS228	210" Gang Beam - 41 Blade Disc	1
	DBS228	228" Gang Beam - 45 Blade Disc	1
	DBS228	228" Gang Beam - 49 Blade Disc	1
	DBS144	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1401	
	DBS162	144" Gang Beam - 31 Blade Disc	1
	DBS180	162" Gang Beam - 35 Blade Disc	1
	DBS198	180" Gang Beam - 39 Blade Disc	1
	DBS216	FRONT GANG BEAM - 9" SPACING MODEL - 1001	
	DBS216	216" Gang Beam - 42 Blade Disc	1
	DBS246	246" Gang Beam - 46 Blade Disc	1
	DBS246	246" Gang Beam - 51 Blade Disc	1
	DBS78	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1001	
	DBS96	78" Gang Beam - 17 Blade Disc	1
	DBS114	96" Gang Beam - 21 Blade Disc	1
	DBS114	114" Gang Beam - 25 Blade Disc	1
	DBS78	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1001	
	DBS96	78" Gang Beam - 15 Blade Disc	1
	DBS96	96" Gang Beam - 19 Blade Disc	1
	DBS118	118" Gang Beam - 23 Blade Disc	1

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
	DBS120	REAR GANG BEAM - 9" SPACING MODEL - 1201	
	DBS138	120" Gang Beam - 25 Blade Disc	1
	DBS150	138" Gang Beam - 29 Blade Disc	1
	DBS168	150" Gang Beam - 33 Blade Disc	1
	DBS126	REAR GANG BEAM - 10-1/2" SPACING MODEL - 1201	
	DBS138	126" Gang Beam - 23 Blade Disc	1
	DBS150	138" Gang Beam - 25 Blade Disc	1
	DBS174	150" Gang Beam - 29 Blade Disc	1
	DBS174	REAR GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1201	
	DBS138	174" Gang Beam - 33 Blade Disc	1
	DBS150	138" Gang Beam - 27 Blade Disc	1
	DBS174	150" Gang Beam - 31 Blade Disc	1
	DBS150	REAR GANG BEAM - 9" SPACING MODEL - 1401	
	DBS168	150" Gang Beam - 33 Blade Disc	1
	DBS186	168" Gang Beam - 37 Blade Disc	1
	DBS204	186" Gang Beam - 41 Blade Disc	1
	DBS222	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1401	
	DBS222	204" Gang Beam - 45 Blade Disc	1
	DBS240	222" Gang Beam - 49 Blade Disc	1
	DBS240	240" Gang Beam - 53 Blade Disc	1
	DBS156	REAR GANG BEAM - 10-1/2" SPACING MODEL - 1401	
	DBS174	156" Gang Beam - 29 Blade Disc	1
	DBS198	174" Gang Beam - 33 Blade Disc	1
	DBS216	198" Gang Beam - 37 Blade Disc	1
	DBS240	FRONT GANG BEAM - 9" FRONT, 10-1/2" REAR SPACING MODEL - 1401	
	DBS240	216" Gang Beam - 41 Blade Disc	1
	DBS240	240" Gang Beam - 45 Blade Disc	1
	DBS240	240" Gang Beam - 49 Blade Disc	1
	DBS156	FRONT GANG BEAM - 10-1/2" SPACING MODEL - 1401	
	DBS174	156" Gang Beam - 31 Blade Disc	1
	DBS198	174" Gang Beam - 35 Blade Disc	1
	DBS204	198" Gang Beam - 39 Blade Disc	1
	DBS228	FRONT GANG BEAM - 9" SPACING MODEL - 1001	
	DBS252	204" Gang Beam - 42 Blade Disc	1
	DBS252	228" Gang Beam - 46 Blade Disc	1
	DBS252	252" Gang Beam - 51 Blade Disc	1
3	DG167	Clamp Plate	8
4	DG163	Front Gang Beam Shim - used to prevent front gang beam from ridding (not supplied as standard equipment)	*
5	DG18	3/4" x 6" U-Bolt	2
6	DG160	Thrust Block	2
7		1-1/4" x 14" N.C. hex bolt	8
8		3/4" N.C. hex nut	4
9		1-1/4" N.C. hex nut	8
10		3/4" Lockwasher	4
11		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Washer	8
12	DFA7413	Front gang angle adjusting plate (1001, 1201) - used with some models	*
13	DFA7422	Rear gang angle adjusting plate (1001, 1201) - used with some models	*
14	DF7215	Gang angle locking pin (1001, 1201)	*
15	DF37	Gang angle locking pin (Model 1001-1201)	*
16		3/16" x 1-1/4" cotter pin	*
17	DGA5348	Wrench	2

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



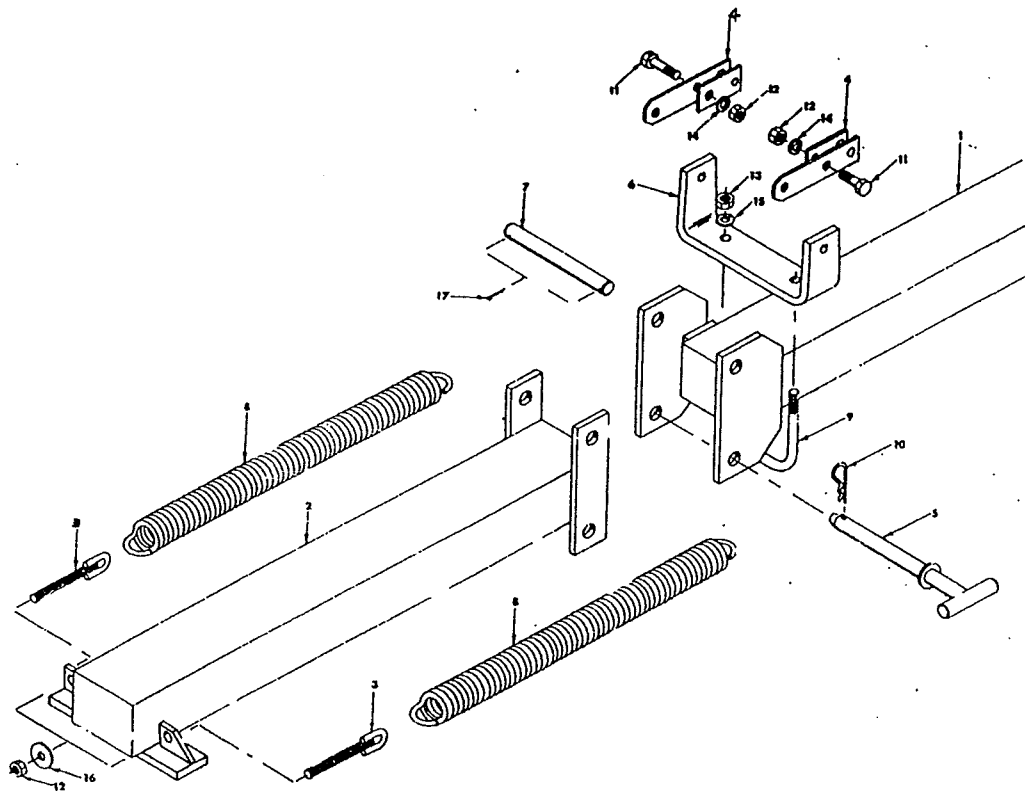
DISC GANG - MODELS 1001, 1005, 1201, 1205, 1401 & 1405

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 5mm (.197) Plain Disc Blade	*
	DG64	22" x 6mm (.236) Plain Disc Blade	*
	DG60	22" x 7mm (.275) Plain Disc Blade	*
	DG68	24" x 6mm (.236) Plain Disc Blade	*
	DG76	24" x 7mm (.275) Plain Disc Blade	*
	DG137	24" x 8mm (.516) Plain Disc Blade	*
	DG74	26" x 8mm (.516) Plain Disc Blade	*
	DG141	26" x 7mm (.275) Cone Disc Blade - Solid	*
	DG157	26" x 8mm (.516) Cone Disc Blade - Solid	*
	DG61	22" x 7mm (.275) Notched Disc Blade	*
	DG79	24" x 7mm (.275) Notched Disc Blade	*
	DG138	24" x 8mm (.516) Notched Disc Blade	*
	DG75	26" x 8mm (.516) Notched Disc Blade	*
3	DG84	16" x 4mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5mm (.197) Plain Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DGA97	9" and 10-1/2" spacing, short half spool - 3-1/4" long w/5" washer (convex side)	*
9	DGA102	9" Spacing - long half spool for 211 brg. 4-7/16" long (concave side)	*
	DGA103	9" Spacing - long half spool for 214 brg. 4-3/16" long (concave side) (Model 1001-1201-1401)	*
	DGA104	10-1/2" Spacing - long half spool for 211 brg. 5-5/16" long (concave side) (Model 1001-1201-1401)	*
	DGA105	10-1/2" Spacing - long half spool for 214 brg. 5-11/16" long (concave side)	*
	DGA99	9" Spacing - full spool w/5" end washer	*
	DG93	10-1/2" Spacing - full spool w/5" end washer	*
10	DG90	Heavy Flange for 210 Series bearing (Model 1001-1201-1401)	*
	DG95	210 Series sealed bearing (Model 1001-1201-1401)	*
11	DG38	211 Series Greaseable brg. (Model 1001-1201-1401)	*
12	DGB5334	214 Series Greaseable brg.	*
13	DGB5335	211 Housing c/w Bearing & Grease Fitting (Model 1001-1201-1401)	*
	DGA5315	214 Housing c/w Bearing & Grease Fitting	*
14	DGA5317	R.H. bearing hanger - 211 series brg. (Model 1001-1201-1401)	*
	DGA5318	L.H. bearing hanger - 211 series brg. (Model 1001-1201-1401)	*
15	DGA5319	R.H. bearing hanger - 214 series brg.	*
		L.H. bearing hanger - 214 series brg.	*
16		GANG BOLTS FOR 9" SPACING DISC**	*
	DGA127	4 Blade Gang Bolt - 33-1/2"	*
	DGA65	5 Blade Gang Bolt - 42-3/4"	*
	DGA66	6 Blade Gang Bolt - 52"	*
	DGA67	7 Blade Gang Bolt - 61-3/4"	*
	DGA68	8 Blade Gang Bolt - 71"	*
	DGA69	9 Blade Gang Bolt - 80"	*
	DGA70	10 Blade Gang Bolt - 89-1/2"	*
	DGA71	11 Blade Gang Bolt - 98-3/4"	*
	DGA72	12 Blade Gang Bolt - 108"	*
	DGA73	13 Blade Gang Bolt - 117-1/2"	*
	DGA74	14 Blade Gang Bolt - 126-1/2"	*
	DGA129	15 Blade Gang Bolt - 135-3/4"	*
		GANG BOLTS FOR 10-1/2" SPACING DISC**	*
	DGA75	5 Blade Gang Bolt - 48-1/2"	*
	DGA76	6 Blade Gang Bolt - 60"	*

Ref. No.	Part No.	Description	Qty. Req'd
	DGA77	7 Blade Gang Bolt - 70-1/2"	*
	DGA78	8 Blade Gang Bolt - 81-1/4"	*
	DGA79	9 Blade Gang Bolt - 92"	*
	DGA80	10 Blade Gang Bolt - 103"	*
	DGA81	11 Blade Gang Bolt - 113-3/4"	*
	DGA82	12 Blade Gang Bolt - 124-3/4" Socket Wrench	*
	DGA35	Socket Wrench	*
17	DGS314	U-bolt - 7/8" x 6-3/8" long	*
18	10GN1	1/4" x 28 Grease Fitting	*
19		3/8" x 3" Cotter Pin	*
20		1/2" x 2" N.C. Hex bolt - 211 series brg. (Model 1001-1201-1401)	*
21		5/8" x 2-1/4" N.C. Hex bolt - 214 series brg.	*
22		1/2" N.C. Hex nut - 211 series brg. (Model 1001-1201-1401)	*
		5/8" Lockwasher - 214 series brg.	*
23		7/8" N.C. Hex nut	*
24		1/2" Lockwasher - 211 series brg. (Model 1001-1201-1401)	*
		5/8" Lockwasher - 214 series brg.	*
25		7/8" Lockwasher	*
26		1/2" x 1-1/2" N.C. Carriage head bolt	*
27	DGA5320	R.H. 2" Offset Hanger - 211 series brg. (Model 1001-1201-1401)	*
	DGA5321	L.H. 2" Offset Hanger - 211 series brg. (Model 1001-1201-1401)	*
	DGA5322	R.H. 2" Offset Hanger - 214 series brg.	*
	DGA5323	L.H. 2" Offset Hanger - 214 series brg.	*
28	DGS325	7/8" U-bolt x 7-5/8" long (stone flex hangers)	*
29	DGS313	Spring Shank 1-1/4" x 2-1/2" (stone flex hangers)	*
30	DGA5328	Backing Plate (stone flex hangers)	*
31	DGA5333	Scraper Bar Support Bracket - for Standard Stone Flex Hanger - Shown	*
	DGA5336	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front L.H. gang or Rear R.H. gang	*
	DGA5337	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front R.H. gang or Rear L.H. gang	*
32	DGS342	Bracket L.H. mounting for 211 series - standard stone flex hanger	*
	DGS343	Bracket R.H. mounting for 211 series - standard stone flex hanger	*
	DGA5344	Bracket L.H. mounting for 211 series - 2" offset stone flex hanger	*
	DGA5345	Bracket R.H. mounting for 211 series - 2" offset stone flex hanger	*
	DGS375	Bracket R.H. mounting for 211 series - 1-1/2" offset stone flex hanger	*
	DGS374	Bracket L.H. mounting for 211 series - 1-1/2" offset stone flex hanger	*
	DGS324	Mount Bracket for 214 Bearing - for Standard Stone Flex Hanger - Shown	*
	DGA5341	Mount Bracket for 214 Bearing - for Offset Stone Flex Hanger	*
33	DGS332	Shim - Used with Disc with 26" Cone Blade and Discs with 26" Standard blade on 9" spacing	*
34		1/2" x 2-1/4" N.C. Hex bolt - 211 series brg. (Model 1001-1201-1401)	*
		5/8" x 2-1/4" N.C. Hex bolt - 214 series brg.	*
35		3/4" Lockwasher	*
36		3/4" N.C. hex nut	*
37		3/4" x 3-1/2" hex bolt	*
		3/4" x 4-1/2" hex bolt - used when spring hanger is equipped with spacer #DGS332	*
38	DGA5370	5" O.D. weld-on washer	*
39	DG236	211 gang bearing shield (Model 1001-1201-1401)	*
	DG237	214 gang bearing shield	*

* As Required
 ** Weld-on Washer (DGA5370) supplied loose

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



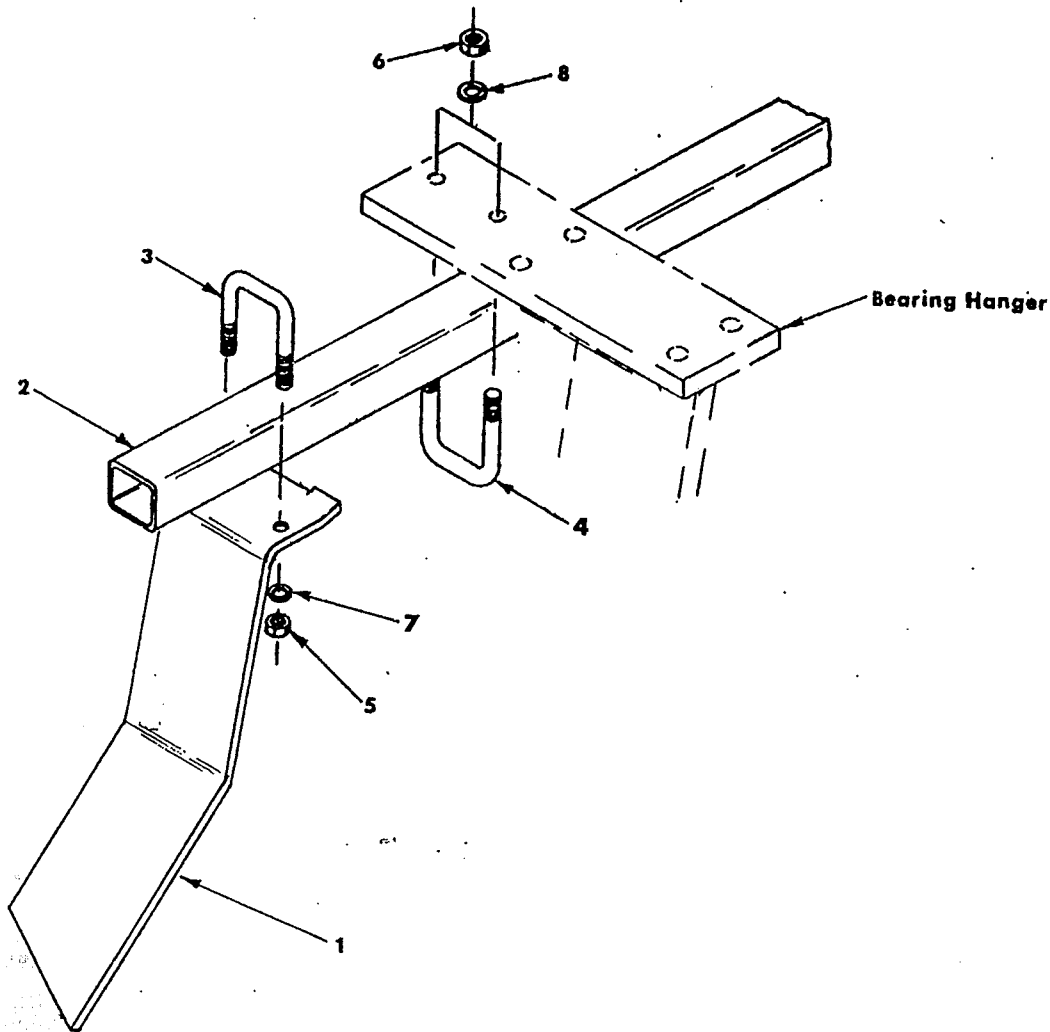
WING TYPE - MODELS 1001, 1201, & 1401

Ref. No.	Part No.	Description	Qty. Req'd
1	DBH109	<u>MODEL 1001 - 9" SPACING FRONT GANG</u> 109" Hinge Gang Beam - 33 Blade Disc	1
	DBH110	<u>MODEL 1201 - 9" SPACING FRONT GANG</u> 110" Hinge Gang Beam - 41 and 45 Blade Disc	1
	DBH174	<u>MODEL 1401 - 9" SPACING FRONT GANG</u> 174" Hinge Gang Beam - 49 Blade Disc	1
	DBH148	148" Hinge Gang Beam - 53 Blade Disc	1
		<u>MODEL 1401 - 9" FRONT, 10-1/2" REAR SPACING FRONT GANG</u>	
	DBH157	157" Hinge Gang Beam - 51 Blade Disc	1
		<u>MODEL 1001 - 9" SPACING REAR GANG</u>	
	DBH109	109" Hinge Gang Beam - 33 Blade Disc	1
	DBH110	<u>MODEL 1201 - 9" SPACING REAR GANG</u> 110" Hinge Gang Beam - 41 and 45 Blade Disc	1
		<u>MODEL 1401 - 9" SPACING REAR GANG</u>	
	DBH184	184" Hinge Gang Beam - 49 Blade Disc	1
	DBH157	157" Hinge Gang Beam - 53 Blade Disc	1
		<u>MODEL 1401 - 9" FRONT, 10-1/2" REAR SPACING REAR GANG</u>	
	DBH151	151" Hinge Gang Beam - 51 Blade Disc	1
		<u>MODEL 1001 - 9" SPACING FRONT GANG</u>	
	DWA10	45" Flip-up Gang Beam - 33 Blade Disc	1
	DWA10	<u>MODEL 1001 - 9" SPACING FRONT GANG</u> 45" Flip-up Gang Beam - 41 and 45 Blade Disc	2
	DWA10	<u>MODEL 1401 - 9" SPACING FRONT GANG</u> 45" Flip-up Gang Beam - 49 Blade Disc	1
2	DWA10	45" Flip-up Gang Beam - 53 Blade Disc	2
		<u>MODEL 1401 - 9" FRONT, 10-1/2" REAR SPACING FRONT GANG</u>	
	DWA10	45" Flip-up Gang Beam - 51 Blade Disc	2
	DWA10	<u>MODEL 1001 - 9" SPACING REAR GANG</u> 45" Flip-up Gang Beam - 33 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
	DWA10	<u>MODEL 1201 - 9" SPACING REAR GANG</u> 45" Flip-up Gang Beam - 41 and 45 Blade Disc	2
	DWA10	<u>MODEL 1401 - 9" SPACING REAR GANG</u> 45" Flip-up Gang Beam - 49 Blade Disc	1
	DWA10	45" Flip-up Gang Beam - 53 Blade Disc	2
		<u>MODEL 1401 - 9" FRONT, 10-1/2" REAR SPACING REAR GANG</u>	
	DWA14	52" Flip-up Gang Beam - 51 Blade Disc	2
3	DWA13	1-bolt - 9" Spacing Disc	*
	DWA15	1-bolt - 10-1/2" Spacing Disc	*
4	DWA12	Pivot Arm	*
5	DWA11	Lock pin	*
6	DW29	Pivot arm support bracket	*
7	DW24	Hinge pin	*
8	DW31	Spring	*
9	DG18	U-bolt	*
10	DW25	Hair pin cotter	*
		<u>STANDARD HARDWARE</u>	
11		5/8" x 2-1/2" N.C. hex bolt	*
12		5/8" N.C. hex nut	*
13		3/4" N.C. hex nut	*
14		5/8" lockwasher	*
15		3/4" lockwasher	*
16		1-1/2" O.D. x 11/16" I.D. x 1/8" flatwasher	*
17		1/4" x 2" cotter pin	*
18		5/8" x 2" N.C. hex bolt	*

*As Required

MODEL 1001, 1005, 1201, 1205, 1401 & 1405 OFFSET DISC



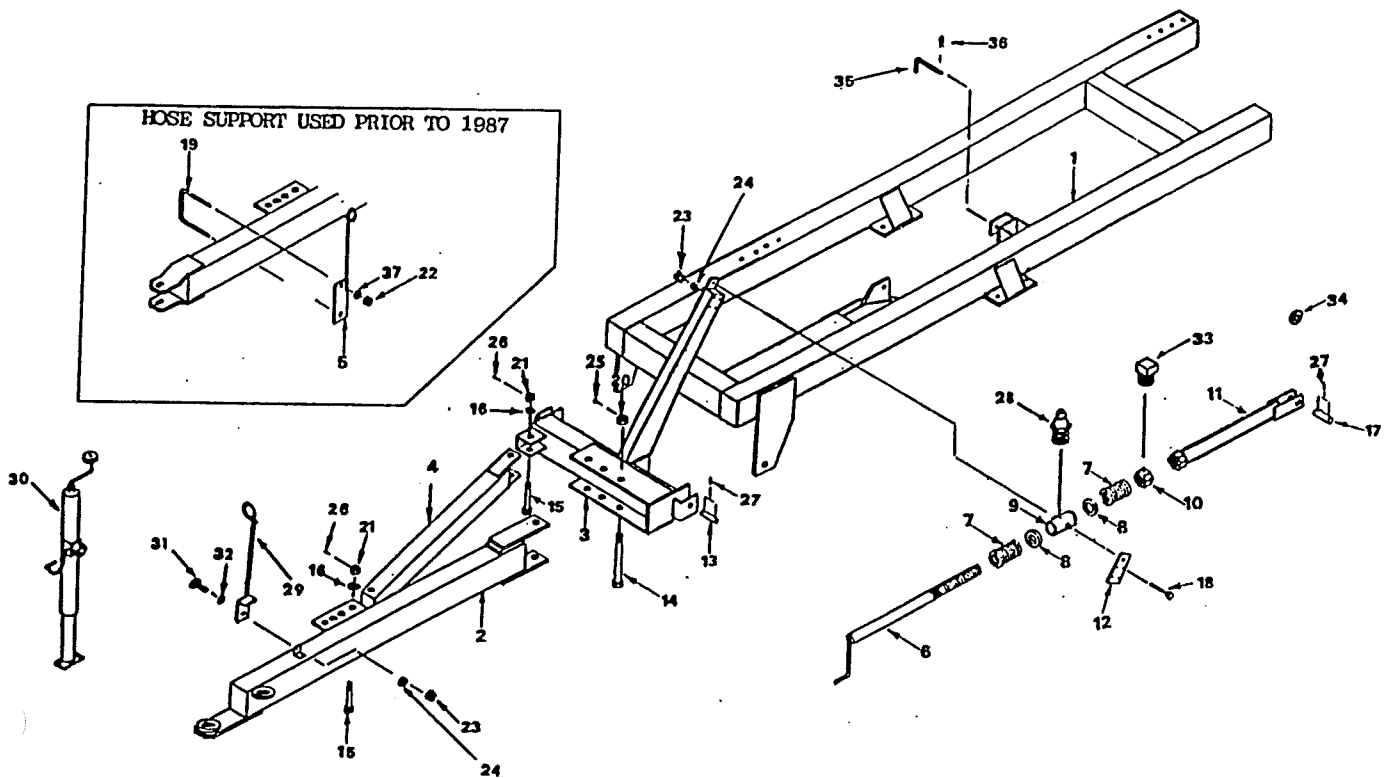
SCRAPER ASSEMBLY - MODELS 1001, 1005, 1201, 1205, 1401 & 1405

Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	L.H. Scraper	*
	DG5301	R.H. Scraper	*
	DG5304	L.H. Scraper (For Cone Blades Only)	*
	DG5305	R.H. Scraper (For Cone Blades Only)	*
2		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS36	4 Blade Scraper Bar - 36-1/2"	*
	DS45	5 Blade Scraper Bar - 45-1/2"	*
	DS55	6 Blade Scraper Bar - 55"	*
	DS64	7 Blade Scraper Bar - 64"	*
	DS73	8 Blade Scraper Bar - 73-1/2"	*
	DS82	9 Blade Scraper Bar - 82"	*
	DS92	10 Blade Scraper Bar - 92"	*
	DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS110	12 Blade Scraper Bar - 110"	*
	DS120	13 Blade Scraper Bar - 120"	*
	DS129	14 Blade Scraper Bar - 129-1/2"	*
	DS139	15 Blade Scraper Bar - 139"	*

Ref. No.	Part No.	Description	Qty. Req'd
		<u>SCRAPER BAR FOR 10-1/2" SPACING DISC</u>	
	DS52	5 Blade Scraper Bar - 52"	*
	DS62	6 Blade Scraper Bar - 62-1/2"	*
	DS73	7 Blade Scraper Bar - 73-1/2"	*
	DS82	8 Blade Scraper Bar - 82"	*
	DS94	9 Blade Scraper Bar - 94-1/2"	*
	DS105	10 Blade Scraper Bar - 105"	*
	DS115	11 Blade Scraper Bar - 115-1/2"	*
	DS127	12 Blade Scraper Bar - 127-1/2"	*
	DS138	13 Blade Scraper Bar - 138"	*
3	DG5308	1/2" x 2" U-bolt	*
4	DG5309	5/8" x 2" U-bolt	*
5		1/2" N.C. hex nut	*
6		5/8" N.C. hex nut	*
7		1/2" lockwasher	*
8		5/8" lockwasher	*

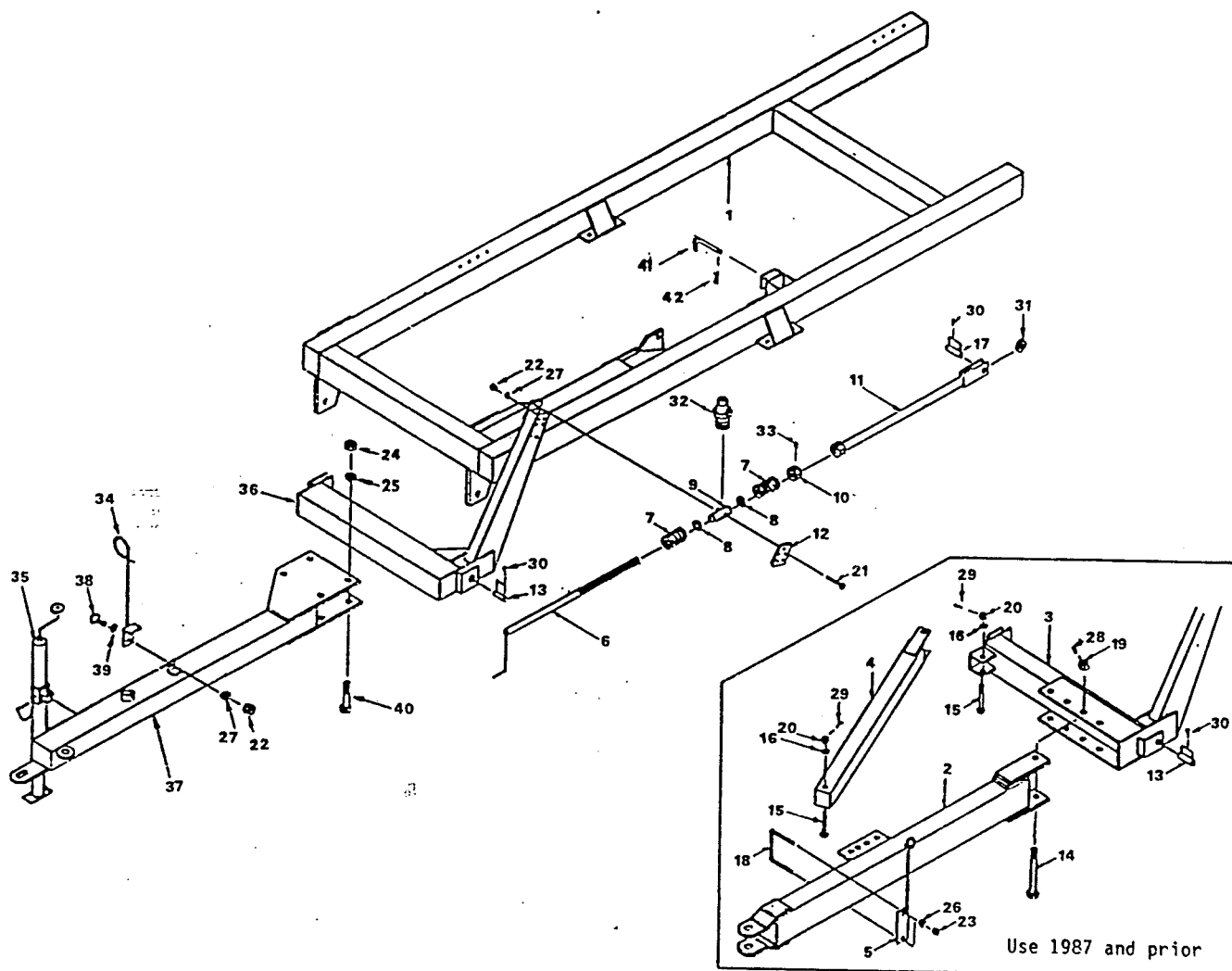
* As Required

MODEL 1050 & 1250 OFFSET DISC



FRAME, HITCH AND LEVELLING CRANK - MODEL 1050

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFB11000	1050 Frame Complete With Cylinder Lug	1	20	DH5165	1-1/2\" N.C. Slotted Hex Nut	1
2	DHA7073	Tongue	1	21	L1574	1\" N.C. Finished Full Slotted Hex Nut	2
3	DHA7427	Draw Bar	1	22		3/4\" N.C. Hex Nut (Used 1986 and Prior)	2
4	DHA7074	Brace	1	23		1/2\" N.C. Hex Nut	5
5	DHA7064	Hose Support Assembly (Use 1986 and Prior)	1	24		1/2\" Lockwasher	5
6	DCA3	Levelling Crank	1	25		5/16\" x 2-1/4\" Cotter Pin	1
7	DH1	Compression Spring - Levelling Crank	2	26		3/16\" x 1-1/2\" Cotter Pin	2
8	DC15	Thrust Bearing - Timken #T199	2	27		1/4\" x 1-1/2\" Cotter Pin	6
9	DCAS184	Bearing Tube - Levelling Crank	1	28	10GN1	1/4\" - 28 Grease Fitting	1
10	DH5	2\" N.C. Heavy Hex Nut - Drilled For Set Screw	1	29	DHA5161	Hose Support	1
11	DCA7446	Levelling Link	1	30	DHB5170	Hitch Jack (Optional)	1
12	DH5146	Levelling Arm Lug	1	31		1/2\" x 1-1/2\" N.C. Hex Bolt	1
13	DH8562	1-1/4\" x 4-1/2\" Hitch Pin	2	32		1-3/4\" x 9/16\" I.D. Flatwasher	1
14	DH5164	1-1/2\" x 11\" N.C. Hex Bolt-Drilled For Cotter Pin	1	33		1/2\" x 1\" N.C. Square Head Set Screw	1
15	L2244	1\" x 6-1/2\" N.C. Hex Bolt-Drilled For Cotter Pin	2	34		2-1/2\" O.D. x 1-9/32\" O.D. x 1/4\" Spacer Washer	2
16		2\" O.D. x 1-1/16\" I.D. x 1/4\" Flatwasher	2	35	DF7027	Lock-Up Pin - Rockshaft	1
17	DH7077	Levelling Link Pin	1	36	DW25	Hair Pin Cotter	1
18		1/2\" x 5\" N.C. Hex Bolt	4	37		3/4\" Lockwashers (Used 1986 and Prior)	2
19	DG18	3/4\" x 6\" U-Bolt (Use 1986 and Prior)	1				

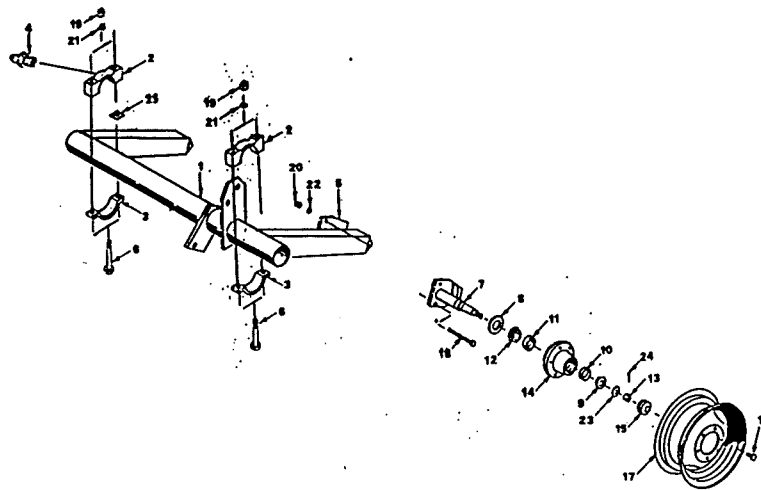


FRAME, HITCH AND LEVELLING CRANK - MODEL 1250

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB11050	1250 Frame Complete With Cylinder Lug	1
2	DHA7073	Tongue (Used 1987 and Prior)	1
3	DHA7076	Draw Bar Assembly (Used 1987 and Prior)	1
4	DHA7074	Brace (Used For 1987 and Prior)	1
5	DHA7064	Hose Support Assembly (Used 1987 and Prior)	1
6	DCA3	Levelling Crank	1
7	DH1	Compression Spring - Levelling Crank	2
8	DC15	Thrust Bearing - Timken #1199	2
9	DCA5184	Bearing Tube - Levelling Crank	1
10	DH5	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1
11	DCA5181	Levelling Link	1
12	DH5146	Levelling Arm Lug	1
13	DH562	1-1/4" x 4-1/2" Hitch Pin	2
14	DH5164	1-1/2" x 11" N.C. Hex Bolt - Drilled For Cotter Pin	1
15	L2244	1" x 6-1/2" N.C. Hex Bolt - Drilled For Cotter Pin (Used 1987 and Prior)	1
16		2" O.D. x 1-1/6" L.D. x 1/4" Flatwasher (Used 1987 and Prior)	2
17	DH7077	Levelling Link Pin	1
18		3/4" x 6" U-Bolt - For Hose Support (Used 1987 and Prior)	1
19	DH5165	1-1/2" N.C. Slotted Hex Nut (Used 1987 and Prior)	1
20	L1574	1" N.C. Finished Full Slotted Hex Nut (Used 1987 and Prior)	2
21		1/2" x 5" N.C. Hex Bolt	4

Ref. No.	Part No.	Description	Qty. Req'd
22		1/2" N.C. Hex Nut	5
23		3/4" N.C. Hex Nut (Used 1987 and Prior)	2
24		1" N.C. Hex Nut	6
25		1" Lockwasher	6
26		3/4" Lockwasher (Used 1987 and Prior)	2
27		1/2" Lockwasher	5
28		5/16" x 2-1/4" Cotter Pin	1
29		3/16" x 1-1/2" Cotter Pin	2
30		1/4" x 1-1/2" Cotter Pin	2
31		2-1/2" O.D. x 1-9/32" L.D. x 1/4" Spacer Washer	2
32	10GN1	1/4" - 28 Grease Fitting	1
33		1/2" x 1" Square Head Set Screw	1
34	DHA5161	Hose Support	1
35	DHB5170	Hitch Jack (Optional)	1
36	DHA7216	Draw Bar	1
37	DHA7224	Tongue	1
38		1/2" x 1-1/2" N.C. Hex Bolt	1
39		1-3/4" O.D. x 9/16" L.D. Flatwasher	1
40		1" x 6-1/2" N.C. Hex Bolt	6
41	DF7027	Lock-Up Pin - Rockshaft	1
42	DW25	Hair Pin Cotter	1

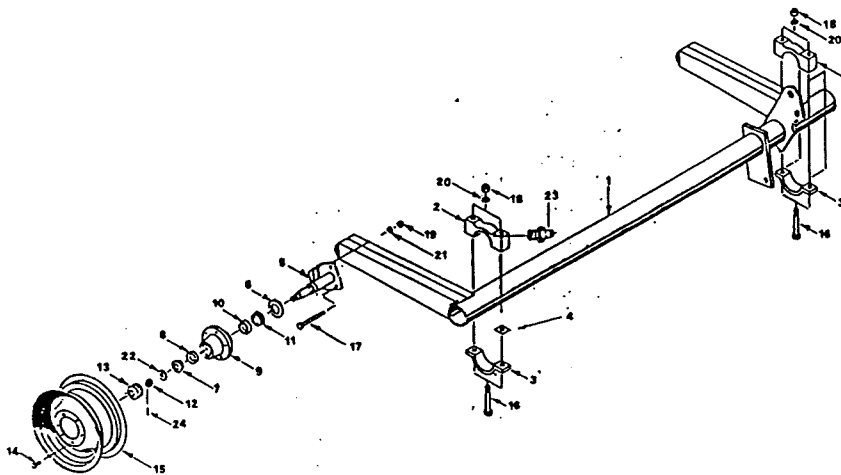
MODEL 1050 & 1250 OFFSET DISC



ROCKSHAFT & WHEEL - MODEL 1050

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DRA7421	Rockshaft	1	14	DRA9	Hub c/w Cups	*
2	DR9070	Rockshaft Bearing - Top Half	3	15	DR123	Hub Cap	*
3	DR9071	Rockshaft Bearing - Bottom Half	3	16	DR125	Wheel Studs	*
4	10GN1	1/4" - 28 Grease Fitting	3	17	DR127	15" x 8" - 6 Bolt Rim	*
5	DR76	Ade Backing Plate (Used on Discs with Single Wheels)	2	18		5/8" x 6" N.C. Hex Bolt	6
6		3/4" x 5-1/2" N.C. Hex Bolt	6	19		3/4" N.C. Hex Nut	6
7	DRA8	Ade Assembly	*	20		5/8" N.C. Hex Nut	6
8	DR122	Grease Seal	*	21		3/4" Lockwasher	6
9	DR91	Cone Bearing - #LM48548	*	22		5/8" Lockwasher	6
10	DR92	Cup - #LM48510	*	23		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
11	DR118	Cup - #LM25520	*	24		3/16" x 1-1/4" Cotter Pin	*
12	DR120	Cone Bearing - #LM25580	*	25	DR7120	Shim - Rockshaft Bearing	*
13	DR110	1" N.F. Slotted Hex Nut	*				

* As Required

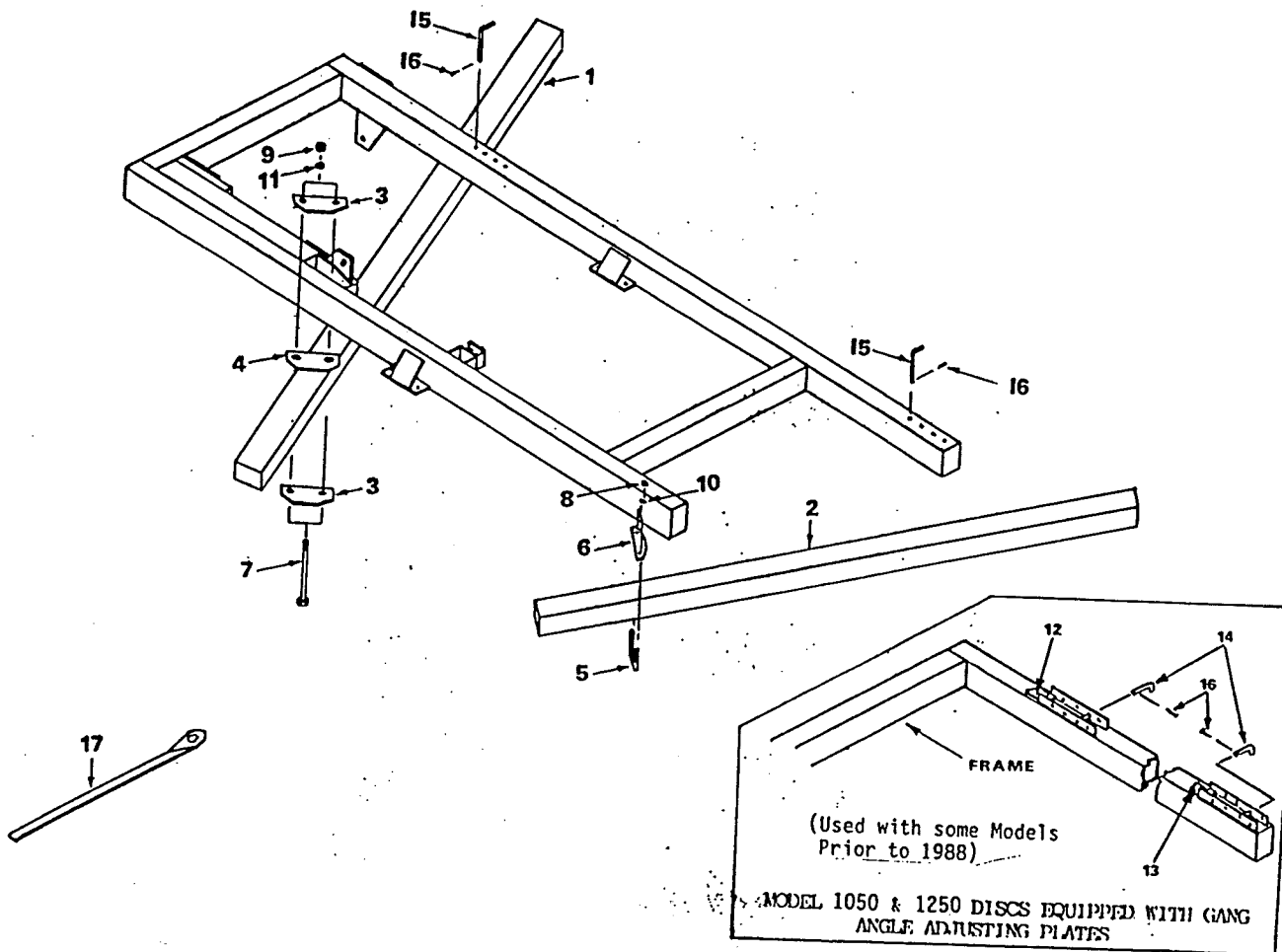


ROCKSHAFT & WHEEL - MODEL 1250

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DRA7241	Rockshaft	1	13	DR123	Hub Cap	4
2	DR9070	Rockshaft Bearing - Top Half	3	14	DR125	Wheel Studs	24
3	DR9071	Rockshaft Bearing - Bottom Half	3	15	DR127	15" x 8" - 6 Bolt Rim	4
4	DR7120	Shim - Rockshaft Bearing	*	16		3/4" x 5-1/2" N.C. Hex Bolt	6
5	DRA8	Ade Assembly	4	17		5/8" x 6" N.C. Hex Bolt	6
6	DR122	Grease Seal	4	18		3/4" N.C. Hex Nut	6
7	DR91	Cone Bearing #LM48548	4	19		5/8" N.C. Hex Nut	6
8	DR92	Cup #LM48510	4	20		3/4" Lockwasher	6
9	DRA9	Hub c/w Cups	4	21		5/8" Lockwasher	6
10	DR118	Cup #LM25520	4	22		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
11	DR120	Cone Bearing #LM25580	4	23	10GN1	1/4" - 28 Grease Fitting	3
12	DR110	1" N.F. Slotted Hex Nut	4	24		3/16" x 1-1/4" Cotter Pin	4

* As Required

MODEL 1050 & 1250 OFFSET DISC



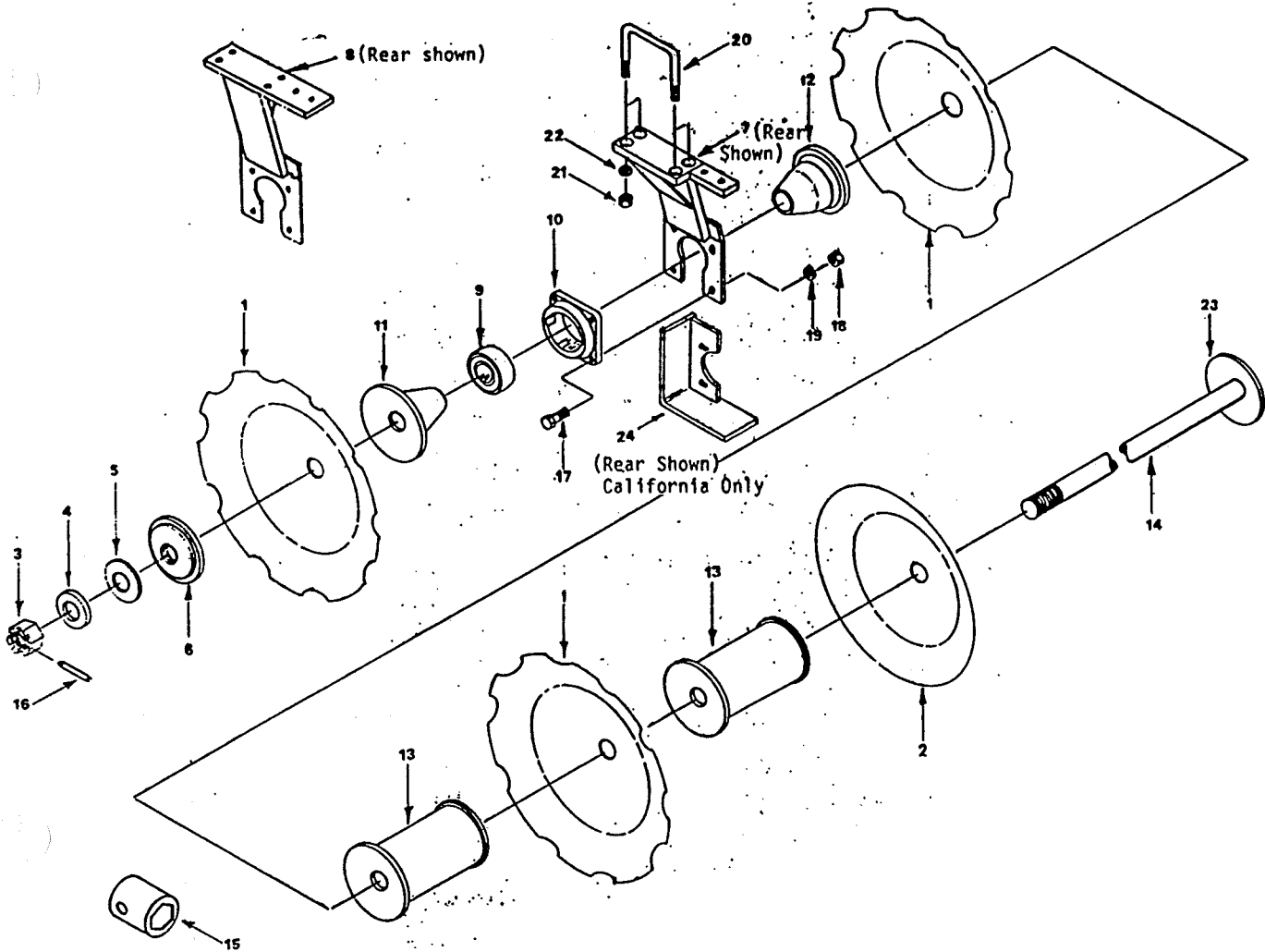
GANG BEAM - MODEL 1050 & 1250

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS80-SF	FRONT GANG BEAM - 12" SPACING FOR MODEL 1050	
	DBS93-SF	80" Gang Beam - 13 Blade Disc (Filled With Ballast)	2
	DBS121-SF	93" Gang Beam - 17 Blade Disc (Filled With Ballast)	2
	DBS145-SF	FRONT GANG BEAM - 12" SPACING FOR MODEL 1250	
	DBS170-SF	121" Gang Beam - 21 Blade Disc (Filled With Ballast)	2
	DBS84-SF	145" Gang Beam - 25 Blade Disc (Filled With Ballast)	2
	DBS108-SF	170" Gang Beam - 29 Blade Disc (Filled With Ballast)	2
	DBS133-SF	REAR GANG BEAM - 12" SPACING FOR MODEL 1050	
	DBS158-SF	84" Gang Beam - 13 Blade Disc (Filled With Ballast)	2
	DBS182-SF	108" Gang Beam - 17 Blade Disc (Filled With Ballast)	2
	DBS182-SF	REAR GANG BEAM - 12" SPACING FOR MODEL 1250	
	DBS182-SF	133" Gang Beam - 21 Blade Disc (Filled With Ballast)	2
3	DCS780	158" Gang Beam - 25 Blade Disc (Filled With Ballast)	2
	DCS780	182" Gang Beam - 29 Blade Disc (Filled With Ballast)	2
		Clamp Plate	8

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
4	DG163	Front Gang Beam Shim - Used to Prevent Front Gang Beams From Ridding (Not Supplied As Standard Equipment)	*
5	DG5314	7/8" x 6" U-Bolt	2
6	DG160	Thrust Block	2
7		1-1/4" x 14" N.C. Hex Bolt	8
8		7/8" N.C. Hex Nut	4
9		1-1/4" N.C. Hex Nut	8
10		7/8" Lockwasher	4
11		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Flatwasher	8
12	DFA7413	Front Gang Angle Adjusting Plate - Used With Some Models Prior To 1988	1
13	DFA7422	Rear Gang Adjusting Plate - Used With Some Models Prior To 1988	1
14	DF7215	Gang Angle Locking Pin - Used With Some Models Prior To 1988	2
15	DF37	Gang Angle Locking Pin	2
16		3/16" x 1-1/4" Cotter Pin	4
17	DGA5348	Wrench - (For 1-1/4" Clamp Plate Bolts)	2

MODEL 1050 & 1250 OFFSET DISC

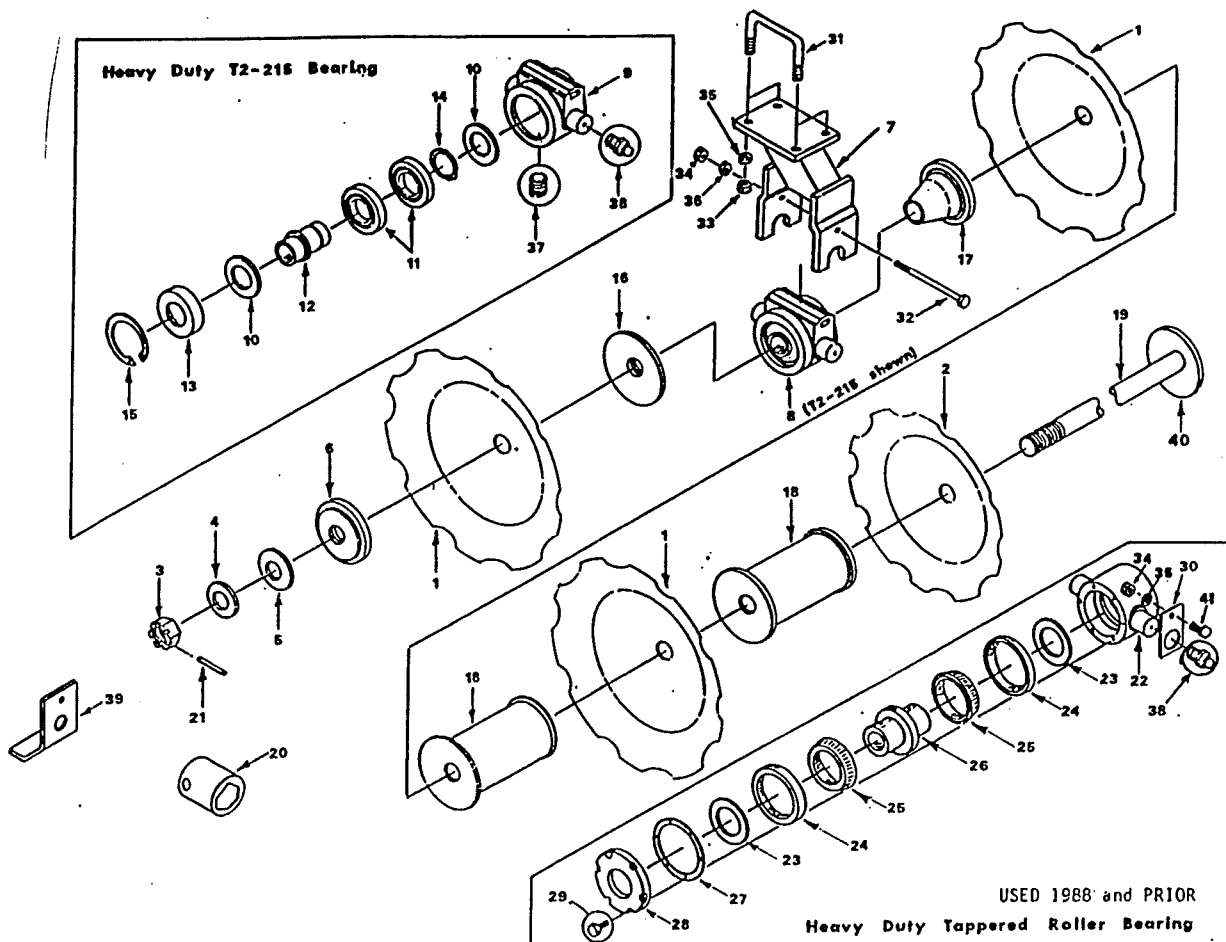


DISC GANG ASSEMBLY - MODEL 1050 & 1250 (FOR 214 & 410 SERIES BEARINGS)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG75	26" x 8 mm (5/16") Notched Blade	*	14		Gang Bolt - 12" Spacing c/w 7" O.D. Weld-On Washer For Discs Equipped With 26" Cone Blades	*
	DG158	26" x 8 mm (5/16") Notched Cone Blade	*		DGA190	6 Blade Gang Bolt - 69-3/4"	*
	DG20051	26" x 10 mm (.393) Notched Blade	*		DGA191	7 Blade Gang Bolt - 82"	*
2	DG133	18" x 5 mm (.197) Plain Blade - Leveller Blade	*		DGA192	8 Blade Gang Bolt - 94"	*
	DG134	20" x 5 mm (.197) Plain Blade - Leveller Blade	*		DGA193	9 Blade Gang Bolt - 106-3/4"	*
	DG61	22" x 7 mm (.275) Notched Blade - Leveller Blade	*		DGA194	10 Blade Gang Bolt - 119"	*
	DG138	24" x 8 mm (5/16") Notched Blade - Leveller Blade	*		DGA195	11 Blade Gang Bolt - 131"	*
	DG143	24" x 8 mm (5/16") Notched Blade - Leveller Blade	*		DGA196	12 Blade Gang Bolt - 143-3/4"	*
3	DG82	2" N.C. Heavy Hex Slotted Nut	*			Gang Bolt - 12" Spacing c/w 8-1/2" O.D. Weld-On Washer For Discs Equipped With 26" Spherical Blades or 28" Spherical Blades	*
4	DG89	1/4" Shim Washer	*		DGA145	6 Blade Gang Bolt - 69-3/4"	*
5	DG88	1/2" Shim Washer	*		DGA141	7 Blade Gang Bolt - 82"	*
6	DG10591	7" O.D. Head Washer	*		DGA142	8 Blade Gang Bolt - 94"	*
7	DGA5322	Front 2" Offset Bearing Hanger - 214 and 410 Bearing	*		DGA143	9 Blade Gang Bolt - 106-3/4"	*
	DGA5323	Rear 2" Offset Bearing Hanger - 214 and 410 Bearing	*		DGA144	10 Blade Gang Bolt - 119"	*
8	DGA5318	Front Straight Bearing Hanger - 214 and 410 Bearing	*		DGA146	11 Blade Gang Bolt - 131"	*
	DGA5319	Rear Straight Bearing Hanger - 214 and 410 Bearing	*		DGA147	12 Blade Gang Bolt - 143-3/4"	*
9	DG38	214 Series Greaseable Bearing	*	15	DGA35	Socket Wrench	*
	DG108	410 Series Greaseable Bearing - Option	*	16	DGA10310	7/16" x 3" Lock Pin	*
10	DGB5335	214 Series Housing Complete With Bearing and Grease Fitting	*	17		5/8" x 2-1/4" N.C. Hex Bolt	*
	DGI09	410 Series Housing Complete With Bearing and Grease Fitting - Option	*	18		5/8" x 2-1/2" N.C. Hex Bolt - For Sand Guard	*
11	DGA11080	Short Half Spool - 7" O.D. Washer x 5-5/8" Long - (For Discs Equipped With 26" Cone Blades and 214 Bearings)	*	19		5/8" N.C. Hex Nut	*
	DGA11082	Short Half Spool - 8-1/2" O.D. Washer x 5-1/8" Long - (For Discs Equipped With 410 Bearings)	*	20	DG5314	5/8" Lockwasher	*
	DGA10573	Short Half Spool - 8-1/2" O.D. Washer x 5-5/8" Long - (For Discs Equipped With 410 Bearings)	*	21		7/8" x 6-3/8" Long U-Bolt	*
	DGA11083	Short Half Spool - 7" O.D. Washer x 5-1/8" Long - (For Discs Equipped With 26" Cone Blades and 410 Bearings)	*	22		7/8" N.C. Hex Nut	*
	DGA10564	Long Half Spool - 7" O.D. Washer x 4-15/16" Long	*	23	DGA11086	7/8" Lockwasher	*
13	DGA11081	Full Spool - 12" Spacing With 7" Diameter Washer Both Ends (For Discs Equipped With 26" Cone Blades)	*		DGA11085	Gang Bolt End Washer - 7" O.D. (Weld-On) (For Discs Equipped With 26" Cone Blades)	*
	DGA10561	Full Spool - 12" Spacing With 8-1/2" Diameter Washer On One End	*	24	DGA40	Gang Bolt End Washer - 8-1/2" O.D. (Weld-On)	*
					DGA39	Sand Gang - Front (California Only)	*
						Sand Gang - Rear (California Only)	*

* As Required

MODEL 1050 & 1250 OFFSET DISC

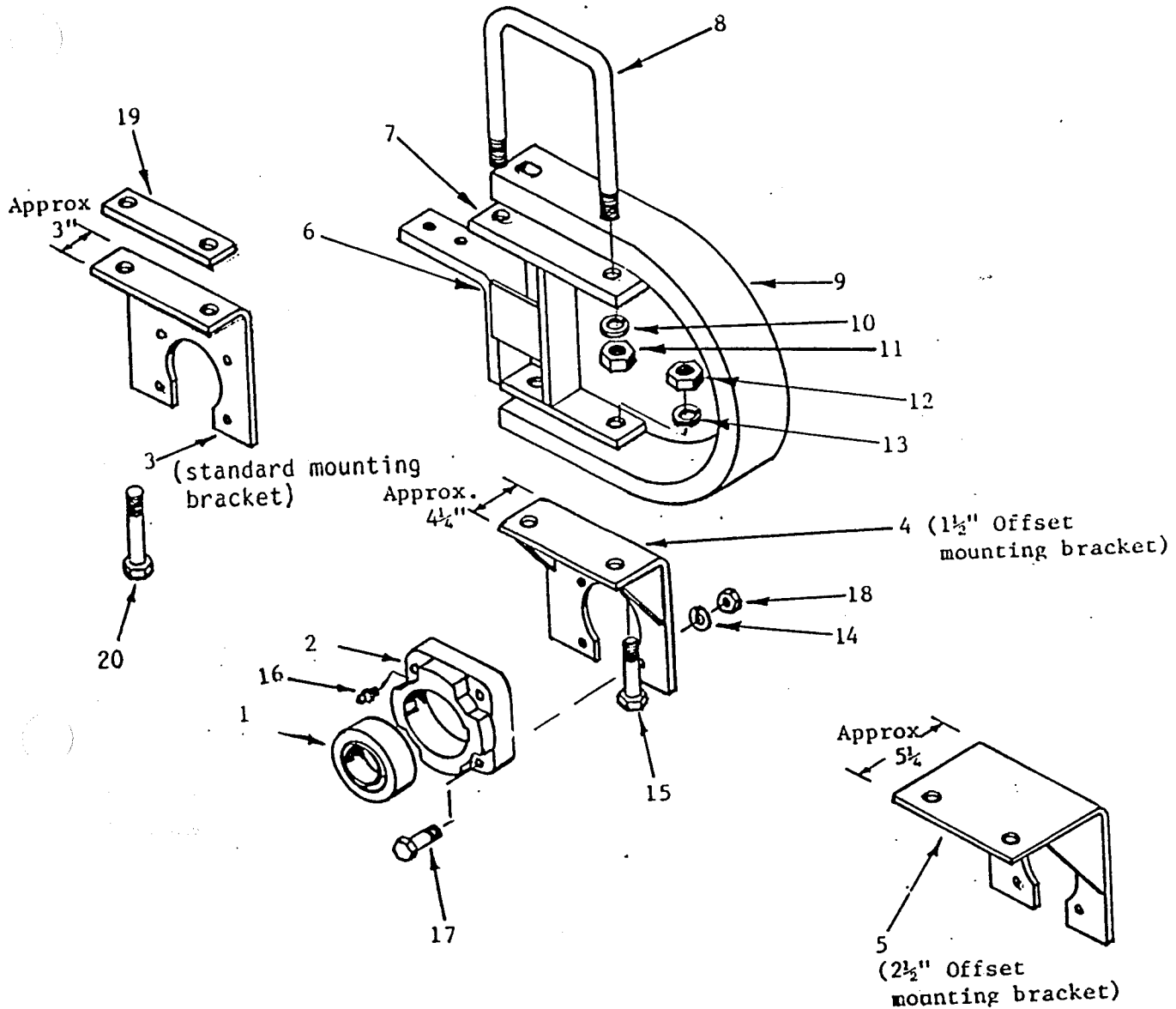


DISC GANG ASSEMBLY - MODEL 1050 & 1250 (FOR T2-215 TRUNION MOUNTED BEARING)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG75	26" x 8 mm (5/16") Notched Blade	*		DGA194	10 Blade Gang Bolt - 119"	*
	DG158	26" x 8 mm (5/16") Notched Cone Blade	*		DGA195	11 Blade Gang Bolt - 131"	*
2	DG20051	28" x 10 mm (.393) Notched Blade	*		DGA196	12 Blade Gang Bolt - 143-3/4"	*
	DG133	18" x 5 mm (.197) Plain Blade - Leveller Blade	*			Gang Bolt - 12" Spacing Complete With 8-1/2" O.D. Weld-On Washer For	*
	DG134	20" x 5 mm (.197) Plain Blade - Leveller Blade	*			Discs Equipped With 26" Spherical Blades or 28" Spherical Blades	*
	DG61	22" x 7 mm (.275) Notched Blade - Leveller Blade	*		DGA145	6 Blade Gang Bolt - 69-3/4"	*
	DG138	24" x 8 mm (5/16") Notched Blade - Leveller Blade	*		DGA141	7 Blade Gang Bolt - 82"	*
	DG143	24" x 8 mm (5/16") Notched Blade - Leveller Blade	*		DGA142	8 Blade Gang Bolt - 94"	*
3	DG82	2" N.C. Heavy Hex Slotted Nut	*		DGA143	9 Blade Gang Bolt - 106-3/4"	*
4	DG89	1/4" Shim Washer	*		DFA144	10 Blade Gang Bolt - 119"	*
5	DG88	1/2" Shim Washer	*		DGA146	11 Blade Gang Bolt - 131"	*
6	DGA10591	Head Washer	*		DGA147	12 Blade Gang Bolt - 143-3/4"	*
7	DGA10582	Trunion Type Bearing Hanger - (12" Spacing)	*	20	DGA35	Socket Wrench	1
8	DG89900	Heavy Duty Industrial Type T2-215 Trunion Mounted Bearing Assembly	*	21	DGA10310	7/16" x 3" Lock Pin	*
	DG89800	Tapered Roller Trunion Mounted Bearing Assembly (Used 1988 and Prior)	*	22	DGA9801	Tapered Roller Bearing Housing (Used 1988 and Prior)	*
9	DG9901	Heavy Duty Industrial Type T2-215 Bearing Housing	*	23	DG9805	Seal (Federal Mogul #417354) (Used 1988 and Prior)	*
10	DG9905	Bearing Seal (National #200322)	*	24	DG9803	Tapered Roller Bearing Cup (NTN #41-492A) (Used 1988 and Prior)	*
11	DG9904	Modified #6215 Ball Bearing	*	25	DG9804	Tapered Roller Bearing (NTN #41-497) (Used 1988 and Prior)	*
12	DG9906	5" Sleeve	*	26	DG9806	Tapered Roller Bearing Sleeve (Used 1988 and Prior)	*
13	DG9902	Bearing Housing Cap	*	27	DG9807	0.005 Shim - Blue (Used 1988 and Prior)	*
14	DG9910	External Snap Ring (Phillip French Sales #D1400-75)	*		DG9808	0.007 Shim - Smoke (Used 1988 and Prior)	*
15	DG9911	External Snap Ring (Phillip French Sales #D1300-130)	*	28	DG9809	0.020 Shim - Yellow (Used 1988 and Prior)	*
16	DGA11079	Short Half Spool - 7" O.D. Washer x 2-1/2" Long (For Discs Equipped With 26" Cone Blades)	*	29	DG9802	Tapered Roller Bearing Housing Cap (Used 1988 and Prior)	*
	DGA10562	Short Half Spool - 8-1/2" O.D. Washer x 2-1/8" Long	*	30	DG9810	Trunion Mounted Bearing Support Plate (For Tapered Roller Bearing) (Used 1988 and Prior)	*
17	DGA10564	Long Half Spool - 7" O.D. Washer x 4-15/16" Long - For T2-215 Bearing Only	*	31	DG5314	7/8" x 6-3/8" Long U-Bolt	*
	DGA10574	Long Half Spool - 7" O.D. Washer x 4-7/16" Long - For Tapered Roller Bearing Only (Used 1988 and Prior)	*	32		5/8" x 10" N.C. Hex Bolt (T2-215 Bearing Only)	*
18	DGA11081	Full Spool - 12" Spacing With 7" Diameter Washer On Both Ends (For Discs Equipped With 26" Cone Blades)	*	33		7/8" N.C. Hex Nut	*
	DGA10561	Full Spool - 12" Spacing With 8-1/2" Diameter Washer On One End	*	34		5/8" N.C. Hex Nut	*
19		Gang Bolt - 12" Spacing Complete With 7" O.D. Weld-On Washer For Discs Equipped With 26" Cone Blades	*	35		7/8" Lockwasher	*
	DGA190	6 Blade Gang Bolt - 69-3/4"	*	36		5/8" Lockwasher	*
	DGA191	7 Blade Gang Bolt - 82"	*	37	DG9912	1/4" - 28 x 1/2" Socket Set Screw	*
	DGA192	8 Blade Gang Bolt - 94"	*	38	10GN1	1/4" - 28 Grease Fitting	*
	DGA193	9 Blade Gang Bolt - 106-3/4"	*	39	DG10590	Sand Guard (California Only)	*
				40	DGA11086	Gang Bolt End Washer - 7" O.D. (Weld-On) For Discs Equipped With 26" Cone Blades	*
					DGA11085	Gang Bolt End Washer - 8-1/2" O.D. (Weld-On)	*
				41		5/8" x 2" N.C. Hex Bolt (Used 1988 and Prior)	*

* As Required

MODEL 1050 & 1250 OFFSET DISC

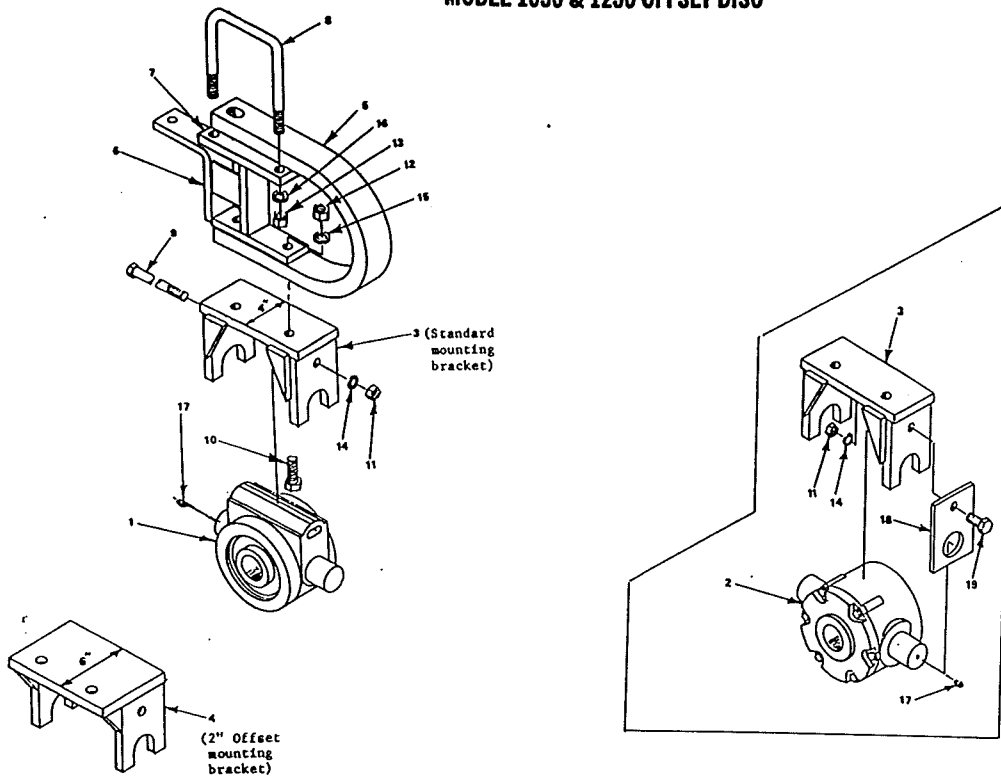


OPTIONAL STONE FLEX HANGER FOR 214 OR 410 SERIES BEARINGS (FOR DISCS WITH 26" DIAMETER BLADES ONLY)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG38	214 Series Greaseable Bearing	*	7	DGA5328	Backing Plate	*
	DG108	410 Series Greaseable Bearing	*	8	DG5325	7/8" x 7-5/8" Long U-Bolt	*
2	DGB5335	214 Series Greaseable Bearing c/w Housing	*	9	DG5313	1-1/4" x 2-1/2" Spring Shank	*
	DG109	410 Series Greaseable Bearing c/w Housing	*	10		7/8" Lockwasher	*
3	DGA5324	Mounting Bracket For 214 and 410 Series Bearing - Standard Stone Flex Hanger Use With Shim Ref. #19 (Used On Discs Shipped Prior To July 15, 1988)	*	11		7/8" N.C. Hex Nut	*
4	DGA5376	Mounting Bracket For 214 and 410 Series - 1-1/2" Offset Stone Flex Hanger	*	12		3/4" N.C. Hex Nut	*
5	DGA5341	Mounting Bracket - For 214 and 410 Series - 2-1/2" Offset Mounting Bracket	*	13		3/4" Lockwasher	*
6	DGA5333	Scraper Bar Support Bracket - For 1-1/2" Offset Mounting Bracket. Also Used On Discs Shipped Prior To July 15, 1989 Which Used Mounting Bracket #DGA5324.	*	14		5/8" Lockwasher	*
	DGA5336	Scraper Bar Support Bracket - For 2-1/2" Offset Mounting Bracket - Rear Gang Only	*	15		3/4" x 3-1/2" N.C. Hex Bolt	*
	DGA5337	Scraper Bar Support Bracket - For 2-1/2" Offset Mounting Bracket - Front Gang Only	*	16	10GN1	1/4" - 28 Grease Fitting	*
				17		5/8" x 2-1/4" N.C. Hex Bolt	*
				18		5/8" x 2-1/2" N.C. Hex Bolt - For Sand Guard	*
				19	DG5332	5/8" N.C. Hex Nut	*
				20		Shim - Used On Discs Shipped Prior To July 15, 1988	*
						3/4" x 4-1/2" N.C. Hex Bolt - Used Only When Shim #DG5332 Is Used (Used Prior To July 15, 1988)	*

* As Required

MODEL 1050 & 1250 OFFSET DISC

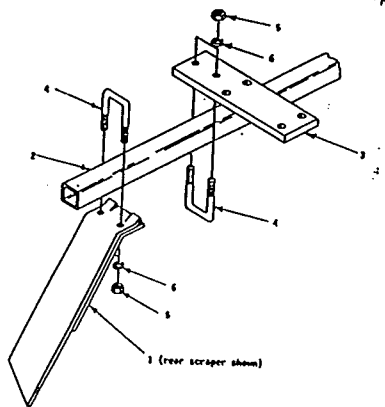


OPTIONAL STONE FLEX HANGER FOR TRUNION MOUNTED BEARING (FOR DISCS WITH 26" DIAMETER BLADES ONLY)

Ref. No.	Part No.	Description	Qty. Req'd
1	DGB9900	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, Sleeves, Snap Rings and Cap (See Disc Gang Assembly For Bearing Breakdown)	*
2	DGB9800	Heavy Duty Industrial Type Tapered Roller Trunion Mounted Housing c/w Bearings, Seals, Sleeve, Shims, Cap and Bolts (See Disc Gang Assembly For Bearing Breakdown) (Used 1988 and Prior)	*
3	DGA10570	Standard Mounting Bracket For Trunion Mounted Bearing	*
4	DGA10575	2" Offset Mounting Bracket For Trunion Mounted Bearing	*
5	DGS313	1-1/4" x 2-1/2" Spring Shank	*
6	DGA5333	Scraper Bar Support Bracket - Standard Hanger	*
	DGA5336	Scraper Bar Support Bracket - For 2" Offset Mounting Bracket - Rear Gang Only	*
	DGA5337	Scraper Bar Support Bracket - For 2" Offset Mounting Bracket - Front Gang Only	*
7	DGA5328	Backing Plate	*

Ref. No.	Part No.	Description	Qty. Req'd
8	DGS325	7/8" x 7-5/8" Long U-Bolt	*
9		5/8" x 10 N.C. Hex Bolt (For T2-215 Bearing Only)	*
10		3/4" x 3-1/2" N.C. Hex Bolt	*
11		5/8" N.C. Hex Nut	*
12		3/4" N.C. Hex Nut	*
13		7/8" N.C. Hex Nut	*
14		5/8" Lockwasher	*
15		3/4" Lockwasher	*
16		7/8" Lockwasher	*
17		1/4" - 28 Grease Fitting	*
18	DG9810	Trunion Mounted Bearing Support Plate (Tapered Roller Bearing Only) (Used 1988 and Prior)	*
19		5/8" x 2" N.C. Hex Bolt (Tapered Roller Bearing Only) (Used 1988 and Prior)	*

* As Required



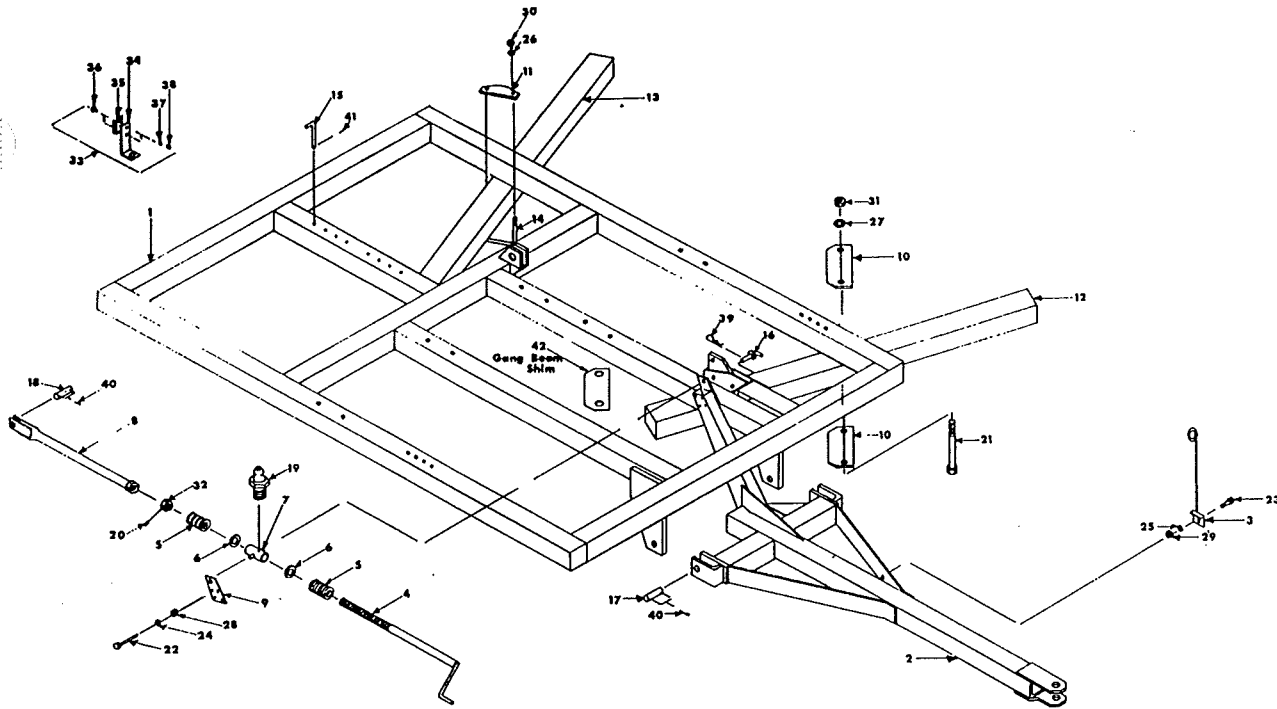
SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DGA10592	Scraper - 12" Spacing - Front Gang Only	*
2	DGA10593	Scraper - 12" Spacing - Rear Gang Only	*
		SCRAPER BARS FOR 12" SPACING	
	DS72-2-4	6 Blade Gang Scraper Bar - 72-1/2"	*
	DS84-2-4	7 Blade Gang Scraper Bar - 84-1/2"	*
	DS96-2-4	8 Blade Gang Scraper Bar - 96-1/2"	*
	S109-2-4	9 Blade Gang Scraper Bar - 109"	*
	S121-2-4	10 Blade Gang Scraper Bar - 121-1/2"	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
	S133-2-4	11 Blade Gang Scraper Bar - 133-1/2"	*
	S146-2-4	12 Blade Gang Scraper Bar - 146"	*
3	DG235	Scraper Bar Support Plate - 12" Spacing (Not Used With Discs Equipped With Stone Flex Hangers)	*
4	DGS309	5/8" x 2" Long U-Bolt	*
5		5/8" N.C. Hex Nut	*
6		5/8" Lockwasher	*

MODEL 1290 AND 1300 DISC

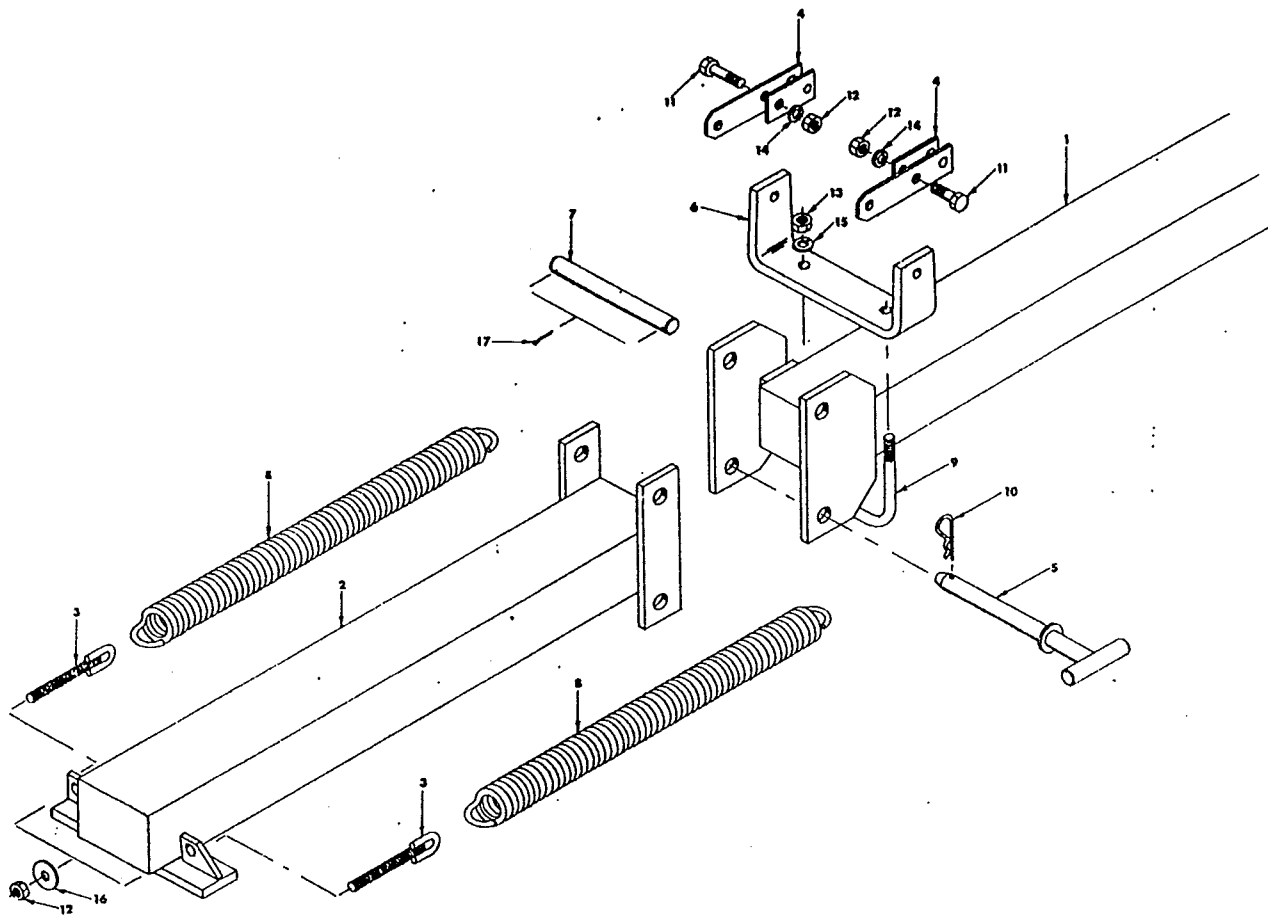


FRAME, HITCH, GANG BEAM AND LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB9000	Main Frame c/w 4 Gang Beam Retainer Pins (Ref. 15) and Cylinder Pin (Ref.16)	1
2	DH89024	Hitch c/w 2 Hitch Pins (Ref.17)	1
3	HA5161	Hose Support	1
4	13	Crank	1
5	11	Compression Spring P.O.	2
6	DC15	Timken Thrust Bearing #T1199	2
7	DCAS184	Bearing Tube	1
8	DCAS77	Pipe Link	1
9	DH5146	Levelling Arm Lug	1
10	DG167	Clamp Plate - Gang Beam (1300 Only) - 10-3/4" Long	16
11	DG8621	Clamp Plate - Gang Beam (1290 Only) - 9-1/2" Long	16
12	DG160	Thrust Block - 8-1/2" Long (Model 1300 Only)	4
	DG8622	Thrust Block - 6-1/4" Long (Model 1290 Only)	4
		<u>FRONT GANG BEAM 8" SPACING DISC (1290 ONLY)</u>	
	DBS4-54	54" Gang Beam (4" x 4") - 30 Blade - Solid	2
	DBS4-60	60" Gang Beam (4" x 4") - 34 Blade - Solid	2
	DBS4-72	72" Gang Beam (4" x 4") - 38 Blade - Solid	2
	DBS4-78	78" Gang Beam (4" x 4") - 42 Blade - Solid	2
	DBS4-90	90" Gang Beam (4" x 4") - 46 Blade - Solid	2
	DBS4-96	96" Gang Beam (4" x 4") - 50 Blade - Solid	2
	DBS4-102	102" Gang Beam (4" x 4") - 54 Blade - Solid	2
	DBS4-114	114" Gang Beam (4" x 4") - 58 Blade - Solid	2
		<u>FRONT GANG BEAM 9" SPACING DISC (1290 ONLY)</u>	
	DBS4-48	48" Gang Beam (4" x 4") - 26 Blade - Solid	2
	DBS4-60	60" Gang Beam (4" x 4") - 30 Blade - Solid	2
	DBS4-72	72" Gang Beam (4" x 4") - 34 Blade - Solid	2
	DBS4-78	78" Gang Beam (4" x 4") - 38 Blade - Solid	2
	DBS4-90	90" Gang Beam (4" x 4") - 42 Blade - Solid	2
	DBS4-96	96" Gang Beam (4" x 4") - 46 Blade - Solid	2
	DBS4-108	108" Gang Beam (4" x 4") - 50 Blade - Solid	2
		<u>FRONT GANG BEAM 9" SPACING DISC (1300 ONLY)</u>	
	DBS48	48" Gang Beam (6" x 4-1/2") - 26 Blade - Solid	2
	DBS60	60" Gang Beam (6" x 4-1/2") - 30 Blade - Solid	2
	DBS72	72" Gang Beam (6" x 4-1/2") - 34 Blade - Solid	2
	DBS78	78" Gang Beam (6" x 4-1/2") - 38 Blade - Solid	2
	DBS90	90" Gang Beam (6" x 4-1/2") - 42 Blade - Solid	2
	DBS96	96" Gang Beam (6" x 4-1/2") - 46 Blade - Solid	2
	DBS108	108" Gang Beam (6" x 4-1/2") - 50 Blade - Solid	2
		<u>FRONT GANG BEAM 10-1/2" SPACING DISC (1300 ONLY)</u>	
	DBS72	72" Gang Beam (6" x 4-1/2") - 30 Blade - Solid	2
	DBS78	78" Gang Beam (6" x 4-1/2") - 34 Blade - Solid	2
	DBS90	90" Gang Beam (6" x 4-1/2") - 38 Blade - Solid	2
	DBS102	102" Gang Beam (6" x 4-1/2") - 42 Blade - Solid	2
		<u>REAR GANG BEAM 8" SPACING DISC (1290 ONLY)</u>	
13	DBS4-78	78" Gang Beam (4" x 4") - 30 Blade - Solid	2
	S4-90	90" Gang Beam (4" x 4") - 34 Blade - Solid	2
	4-96	96" Gang Beam (4" x 4") - 38 Blade - Solid	2
	S4-108	108" Gang Beam (4" x 4") - 42 Blade - Solid	2
	DBS4-114	114" Gang Beam (4" x 4") - 46 Blade - Solid	2
	DBS4-120	120" Gang Beam (4" x 4") - 50 Blade - Solid	2
	DBS4-132	132" Gang Beam (4" x 4") - 54 Blade - Solid	2
	DBS4-138	138" Gang Beam (4" x 4") - 58 Blade - Solid	2

Ref. No.	Part No.	Description	Qty. Req'd
	DBS4-84	84" Gang Beam (4" x 4") - 26 Blade - Solid	2
	DBS4-90	90" Gang Beam (4" x 4") - 30 Blade - Solid	2
	DBS4-102	102" Gang Beam (4" x 4") - 34 Blade - Solid	2
	DBS4-108	108" Gang Beam (4" x 4") - 38 Blade - Solid	2
	DBS4-120	120" Gang Beam (4" x 4") - 42 Blade - Solid	2
	DBS4-126	126" Gang Beam (4" x 4") - 46 Blade - Solid	2
	DBS4-138	138" Gang Beam (4" x 4") - 50 Blade - Solid	2
		<u>REAR GANG BEAM 9" SPACING DISC (1300 ONLY)</u>	
	DBS84	84" Gang Beam (6" x 4-1/2") - 26 Blade - Solid	2
	DBS90	90" Gang Beam (6" x 4-1/2") - 30 Blade - Solid	2
	DBS102	102" Gang Beam (6" x 4-1/2") - 34 Blade - Solid	2
	DBS108	108" Gang Beam (6" x 4-1/2") - 38 Blade - Solid	2
	DBS120	120" Gang Beam (6" x 4-1/2") - 42 Blade - Solid	2
	DBS126	126" Gang Beam (6" x 4-1/2") - 46 Blade - Solid	2
	DBS138	138" Gang Beam (6" x 4-1/2") - 50 Blade - Solid	2
		<u>REAR GANG BEAM 10-1/2" SPACING DISC (1300 ONLY)</u>	
	DBS102	102" Gang Beam (6" x 4-1/2") - 30 Blade - Solid	2
	DBS114	114" Gang Beam (6" x 4-1/2") - 34 Blade - Solid	2
	DBS120	120" Gang Beam (6" x 4-1/2") - 38 Blade - Solid	2
	DBS132	132" Gang Beam (6" x 4-1/2") - 42 Blade - Solid	2
	DG18	3/4" x 6" U-bolt - 6-1/4" Long (Model 1300 Only)	4
14	DG6080	5/8" x 4" U-bolt - 4-7/16" Long (Model 1290 Only)	4
	DF37	Gang Beam Retainer Pin	4
	DRAS248	Lock-up Pin	1
15	DH8562	Hitch Pins	2
16	DRS252	Levelling Link Pin	1
17	10GN1	1/4" x 28" Grease Fitting	1
18		1/2" x 1" N.C. Square Head Set Screw	1
19		1-1/4" x 12" N.C. Hex Bolt	16
20		1/2" x 5" N.C. Hex Bolt	4
21		5/8" x 1-3/4" N.C. Hex Bolt	1
22		1/2" Lockwasher	1
23		5/8" Lockwasher	1
24		3/4" Lockwasher - Model 1300	8
25		5/8" Lockwasher - Model 1290	8
26		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Flatwasher	16
27		1/2" N.C. Hex Nut	4
28		5/8" N.C. Hex Nut	1
29		3/4" N.C. Hex Nut - Model 1300	8
30		5/8" N.C. Hex Nut - Model 1290	8
		1-1/4" N.C. Hex Nut	16
31	DH5	2" N.C. Heavy Hex Nut - Drilled for Set Screw	1
32	DFA16	SMV Sign Support and Clip Bolted	1
33	DF16	SMV Sign Support	1
34	DF54	SMV Sign Clip	1
35		5/16" x 3/4" N.C. Carriage Bolt	2
36		5/16" Lockwasher	2
37		5/16" N.C. Hex Nut	2
38		Hairpin Cotter	1
39	DW25	1/4" x 1-1/2" Cotter Pin	4
40		3/16" x 1-1/4" Cotter Pin	2
41		Front Gang Beam Shim - Used to Prevent Front Gang from Ridding (Not Supplied as Standard Equipment)	
42	DG163		

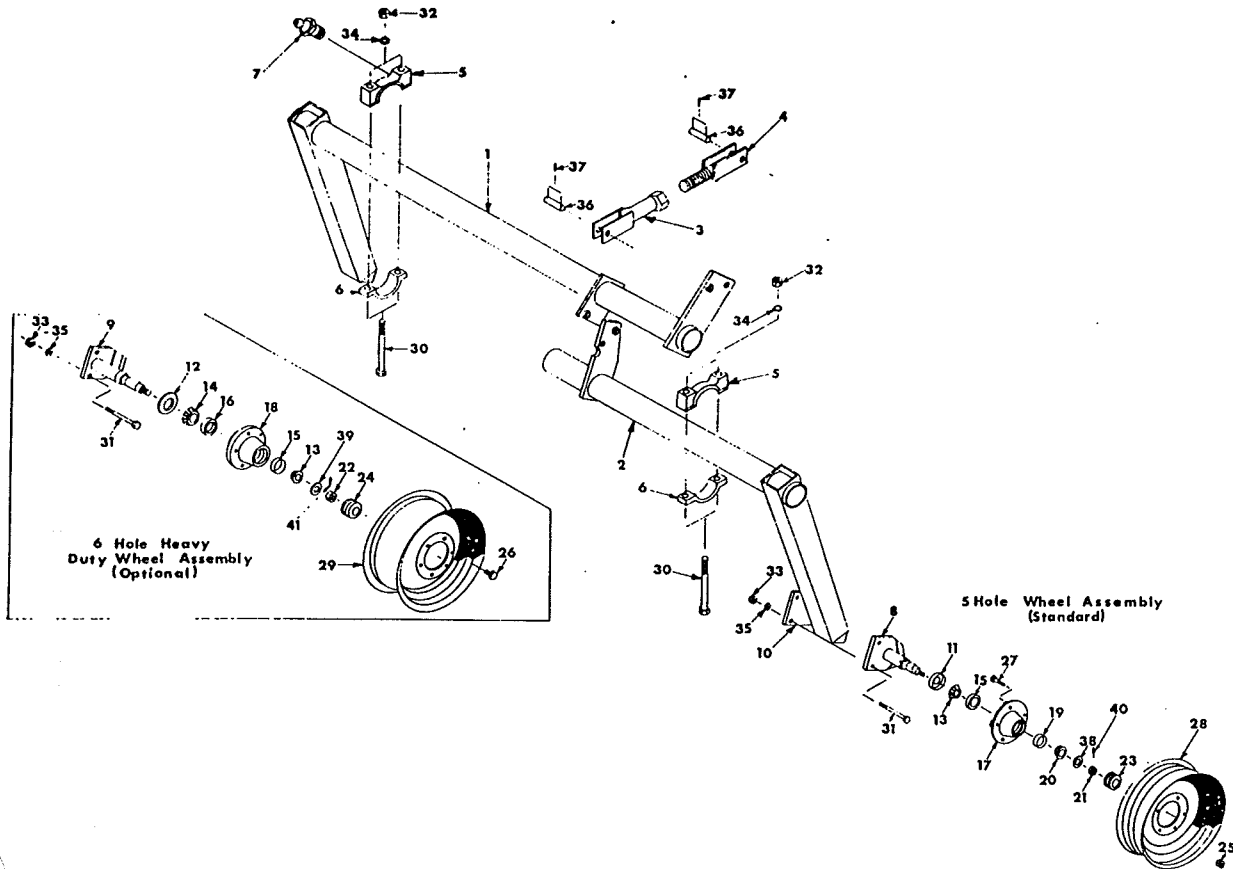
MODEL 1290 AND 1300 DISC



WING TYPE GANG BEAM (DOUBLE SPRING)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DBH4-63	Front Gang Beam for 8" Spacing 54 Blade and 58 Blade Wing Type Discs (4" x 4" x 63" Lg. Beam Size)	2	3	DWA13	1-Bolt	8
	DBH4-63	Front Gang Beam for 9" Spacing 50 Blade Wing Type Model 1290 Disc (4" x 4" x 63" Lg. Beam Size)	2	4	DWA12	Pivot Arm	8
	DBH63	Front Gang Beam for 9" Spacing 50 Blade Wing Type Model 1300 Disc (6" x 4-1/2" x 63" Lg. Beam Size)	2	5	DWA11	Lock Pin	4
	DBH4-83	Rear Gang Beam for 8" Spacing 54 Blade Wing Type Model 1290 Disc (4" x 4" x 83" Lg. Beam Size)	2	6	DW29	Pivot Arm Support Bracket	4
	DBH4-91	Rear Gang Beam for 8" Spacing 58 Blade Wing Type Model 1290 Disc (4" x 4" x 91" Lg. Beam Size)	2	7	DW24	Hinge Pin	4
	DBH4-96	Rear Gang Beam for 9" Spacing 50 Blade Wing Type Model 1290 Disc (4" x 4" x 96" Lg. Beam Size)	2	8	DW31	Spring	8
	DBH96	Rear Gang Beam for 9" Spacing 50 Blade Wing Type Model 1300 Disc (6" x 4-1/2" x 96" Lg. Beam Size)	2	9	DG18	U-Bolt	4
2	DWA10	Flip-up Wing for 9" Spacing 50 Blade Wing Type Model 1300 Disc (6" x 4-1/2" x 45" Lg. Beam)	4	10	DW25	Hair Pin Cotter	4
	DWA30	Flip-up Wing for 8" Spacing 54 and 58 Blade Wing Type Model 1290 Disc - Also for 9" Spacing 50 Blade Wing Type Model 1290 Disc (4" x 4" x 45" Lg. Beam Size)	4	<u>STANDARD HARDWARE</u>			
				11		5/8" x 2-1/2" N.C. Hex Bolt	8
				12		5/8" N.C. Hex Nut	16
				13		3/4" N.C. Hex Nut	8
				14		5/8" Lockwasher	8
				15		3/4" Lockwasher	8
				16		1-1/2" O.D. x 11/16" I.D. x 1/8" Flatwasher	8
				17		1/4" x 2" Cotter Pin	8

MODEL 1290 AND 1300 DISCS



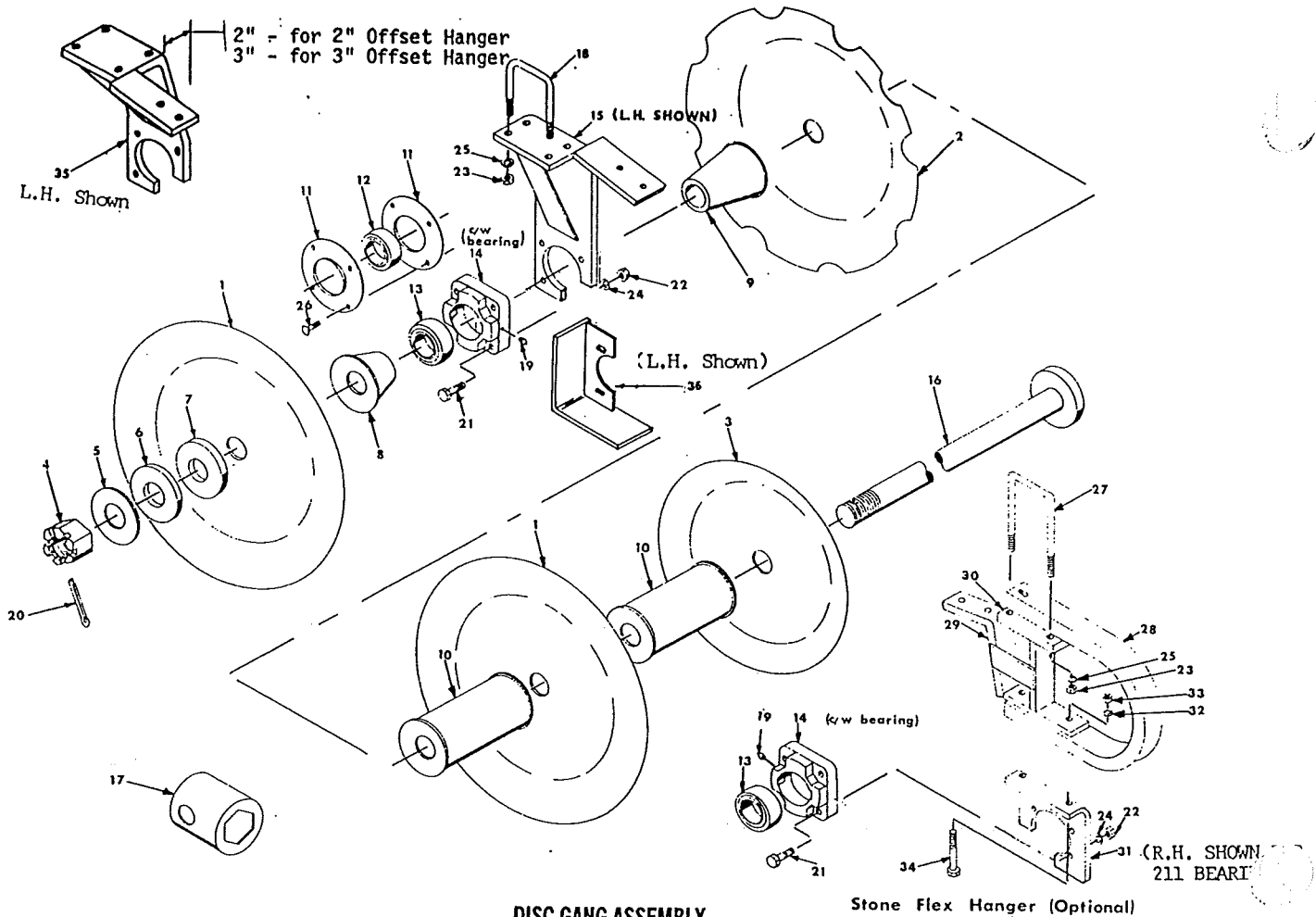
ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DRA9036	Right Hand Rockshaft	1	22	DR110	1" N.F. Hex Slotted Nut	*
2	DRA9037	Left Hand Rockshaft	1	23	DR88	Hub Cap - 5 Bolt Wheel	*
3	DRA5210	Rockshaft Link - Female	1	24	DR123	Hub Cap - 6 Bolt Wheel	*
4	DRA5213	Rockshaft Link - Male	1	25	DR86	Tapered Wheel Nut 1/2" N.F.	*
5	DR9070	Rockshaft Bearing Top **	4	26	DR125	Wheel Studs - 9/16" N.F. x 1-1/6"	*
6	DR9071	Rockshaft Bearing Bottom **	4	27	DR87	Wheel Bolts - 1/2" N.F. x 1-7/8"	*
7	10GN1	1/4" - 28" Grease Fitting	4	28	DR93	15" x 6" - 5 Hole Rim (Use 7.60 x 15 Tire)	*
8	DRA2	Axle Assembly - 5 Bolt Wheel	*	29	DR127	15" x 8" - 6 Hole Rim (Use 9.5L x 15 or 11L x 15 Tire)	*
9	DRA8	Axle Assembly - 6 Bolt Wheel	*	30		3/4" x 10-1/2" N.C. Hex Bolt	8
10	DR76	Axle Backing Plate	*	31		5/8" x 6" N.C. Hex Bolt	*
11	DR85	Grease Seal - 5 Bolt Wheel	*	32		3/4" N.C. Hex Nut	8
12	DR122	Grease Seal - NOK #AF7879E	*	33		5/8" N.C. Hex Nut	*
13	DR91	Cone Bearing #LM48548	*	34		3/4" Lockwasher	8
14	DR120	Cone Bearing #25580	*	35		5/8" Lockwasher	*
15	DR92	Cup #LM48510	*	36	DR5252	Rockshaft Link Pin	2
16	DR118	Cup #25520	*	37		1/4" x 1-1/2" Cotter Pin	2
17	DRA3	Hub c/w Cups - 5 Bolt Wheel	*	38		1-3/4" O.D. x 15/16" I.D. x 1/8" Flatwasher	*
18	DRA9	Hub c/w Cups - 6 Bolt Wheel	*	39		2" O.D. x 1-1/6" I.D. x 1/8" Flatwasher	*
19	DR90	Cup #LM67010	*	40		3/16" x 1" Cotter Pin	*
20	DR89	Cone Bearing #LM67048	*	41		3/16" x 1-1/4" Cotter Pin	*
21	DR83	7/8" N.F. Hex Slotted Nut	*				

* As Required

**1981 and Prior - The Prefix of Number was "DG"

MODEL 1290 DISC



DISC GANG ASSEMBLY

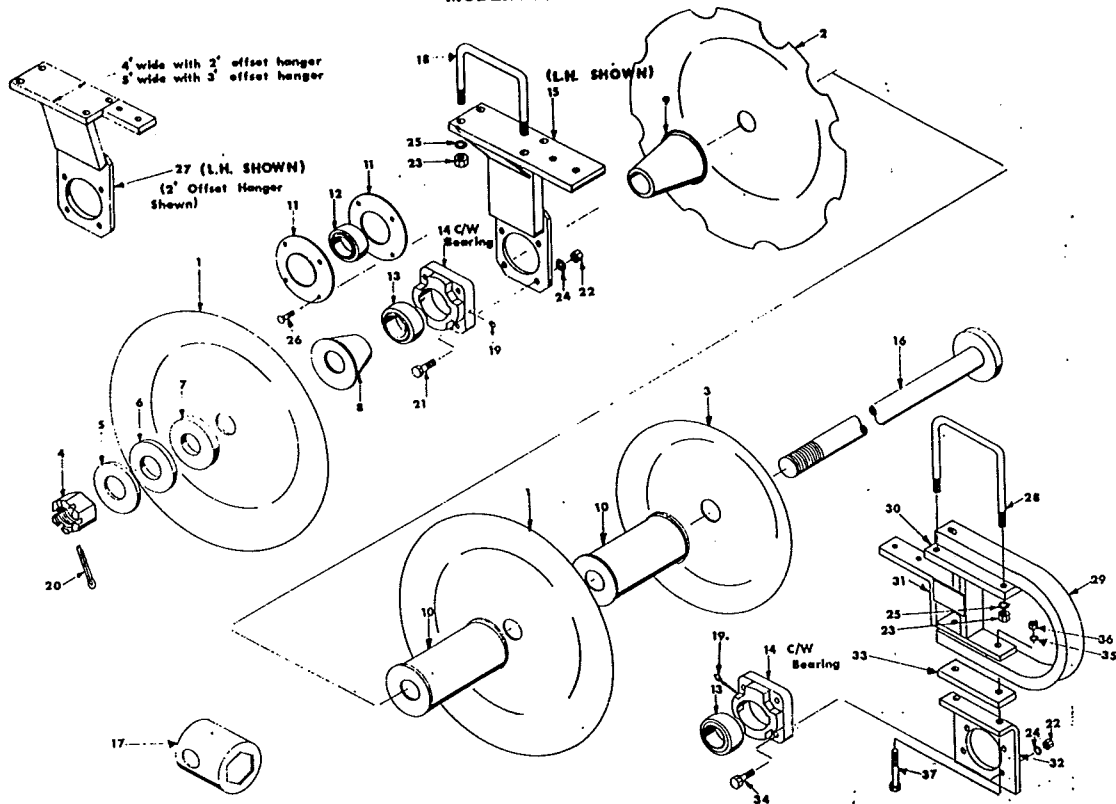
Stone Flex Hanger (Optional)

Ref. No.	Part No.	Description	Qty. Req'd
1	DG149	20" x 6mm (.236) Plain Disc Blade	*
	DG62	22" x 5mm (.197) Plain Disc Blade	*
	DG64	22" x 6mm (.236) Plain Disc Blade	*
	DG60	22" x 7mm (.275) Plain Disc Blade	*
	DG68	24" x 6mm (.236) Plain Disc Blade	*
	DG76	24" x 7mm (.275) Plain Disc Blade	*
	DG137	24" x 8mm (.516) Plain Disc Blade	*
2	DG79	24" x 7mm (.275) Notched Disc Blade	*
	DG138	24" x 8mm (.516) Notched Disc Blade	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5mm (.197) Plain Outrigger Blade	*
4	DG82	2" Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG108	8" Spacing Short Half Spool - 2-3/8" Long	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long - with 5" Washer	*
9	DGA102	8" and 9" Spacing Long Half Spool - 4-7/16" Long	*
10	DGA113	8" Spacing Full Spool (8" Long)	*
	DG98	9" Spacing Full Spool w/5" End Washers (9" Long)	*
11	DG93	Heavy Duty Flange for 210 Series Brg.	*
12	DG90	210 Series Sealed Brgs.	*
13	DG95	211 Series Greaseable Brg.	*
14	DG85334	211 Housing c/w Brg. and Grease Fitting	*
15	DGA6089	L.H. Straight Brg. Hanger - 5/8" x 6" - 16-3/8" Long	*
	DGA6090	R.H. Straight Brg. Hanger - 5/8" x 6" - 16-3/8" Long	*
16	DGA85	GANG BOLTS FOR 9" SPACING	*
	DGA86	5 Blade Gang Bolt - 37-3/4" Long	*
	DGA87	6 Blade Gang Bolt - 46" Long	*
	DGA88	7 Blade Gang Bolt - 54-1/2" Long	*
	DGA89	8 Blade Gang Bolt - 62-3/4" Long	*
	DGA90	9 Blade Gang Bolt - 71" Long	*
	DGA91	10 Blade Gang Bolt - 79-1/2" Long	*
	DGA92	11 Blade Gang Bolt - 87-3/4" Long	*
	DGA93	12 Blade Gang Bolt - 96" Long	*
	DGA94	13 Blade Gang Bolt - 104-1/4" Long	*
	DGA95	14 Blade Gang Bolt - 112-1/2" Long	*
		15 Blade Gang Bolt - 121" Long	*

Ref. No.	Part No.	Description	Qty. Req'd
	DGA65	GANG BOLTS FOR 9" SPACING	*
	DGA66	5 Blade Gang Bolt - 41-3/4"	*
	DGA67	6 Blade Gang Bolt - 50-3/4"	*
	DGA68	7 Blade Gang Bolt - 60-1/2"	*
	DGA69	8 Blade Gang Bolt - 69-3/4"	*
	DGA70	9 Blade Gang Bolt - 78-3/4"	*
	DGA71	10 Blade Gang Bolt - 88-1/4"	*
	DGA72	11 Blade Gang Bolt - 97-1/2"	*
	DGA73	12 Blade Gang Bolt - 106-3/4"	*
	DGA35	13 Blade Gang Bolt - 115-3/4"	*
17		Socket Wrench	*
19	10GN1	1/4" - 28" Grease Nipple	*
20	DG83	3/8" x 3" Cotter Pin	*
21		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Brg.	*
22		1/2" N.C. Hex Nut - for 211 Series Brg.	*
23		5/8" N.C. Hex Nut	*
24		1/2" Lockwasher - for 211 Series Brg.	*
25		5/8" Lockwasher	*
26		1/2" x 1-3/4" N.C. Carriage Head Bolt	*
27	DG8541	5/8" x 4" U-bolt - 5-11/16" Long - Stone Flex Hanger	*
28	DG8150	Spring Shank 1-1/4" x 2" - Stone Flex Hanger	*
29	DGA8612	Scraper Bar Support Bracket - for Standard Stone Flex Hanger (Shown)	*
	DGA8623	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front L.H. Gang or Rear R.H. Gang	*
	DGA8624	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front R.H. Gang or Rear L.H. Gang	*
30	DGA8617	Backing Plate - (Stone Flex Hanger)	*
31	DGA5331	Mount Bracket for 211 Brg. - for Standard Stone Flex Hanger (Shown)	*
	DGA5340	Mount Bracket for 211 Brg. - for Offset Stone Flex Hanger	*
32		3/4" Lockwasher	*
33		3/4" N.C. Hex Nut	*
34		3/4" x 3-1/2" N.C. Hex Bolt	*
35	DGA6091	2" L.H. Offset Hanger - 5/8" x 6" - 16-3/8" Overall Length	*
	DGA6092	2" R.H. Offset Hanger - 5/8" x 6" - 16-3/8" Overall Length	*
	DGA9084	3" L.H. Offset Hanger - 5/8" x 6" - 16-3/8" Overall Length	*
	DGA9085	3" R.H. Offset Hanger - 5/8" x 6" - 16-3/8" Overall Length	*

*As Required

MODEL 1300



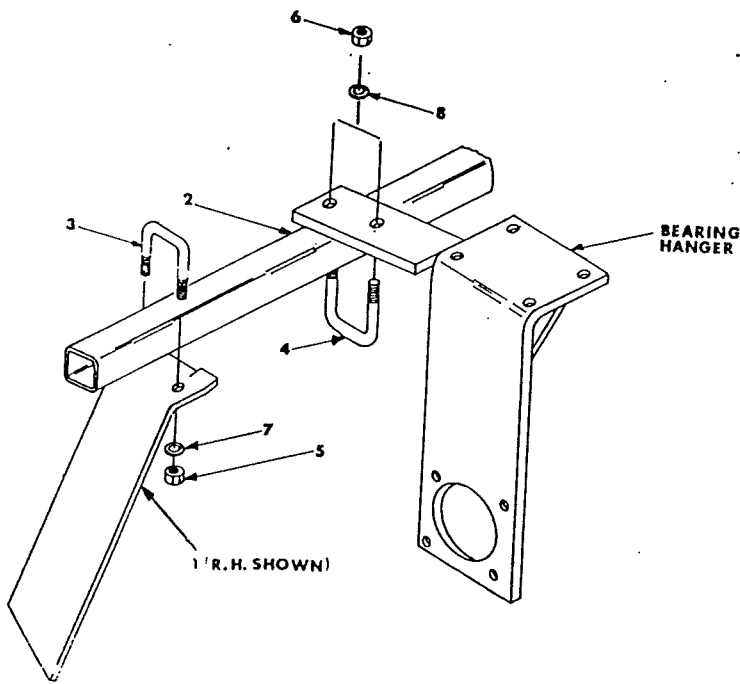
DISC GANG

Ref. No.	Part No.	Description	Qty. Req'd
1	DG64	22" x 6mm (.236) Plain Disc Blade	*
	DG60	22" x 7mm (.275) Plain Disc Blade	*
	DG68	24" x 6mm (.236) Plain Disc Blade	*
	DG76	24" x 7mm (.275) Plain Disc Blade	*
	DG137	24" x 8mm (.5/16) Plain Disc Blade	*
	DG74	26" x 8mm (.5/16) Plain Disc Blade	*
	DG141	26" x 7mm (.275) Cone Disc Blade - Solid	*
	DG157	26" x 8mm (.5/16) Cone Disc Blade - Solid	*
2	DG61	22" x 7mm (.275) Notched Disc Blade	*
	DG79	24" x 7mm (.275) Notched Disc Blade	*
	DG138	24" x 8mm (.5/16) Notched Disc Blade	*
	DG75	26" x 8mm (.5/16) Notched Disc Blade	*
3	DG84	16" x 4mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5mm (.197) Plain Outrigger Blade	*
	DG64	2" x 6mm (.236) Plain Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DGA97	9" and 10-1/2" Spacing, Short Half Spool- 3-1/4" Long w/5" Washer (Convex Side)	*
9	DGA102	9" Spacing Long Half Spool for 211 Brg. 4-7/16" Long (concave side)	*
	DGA103	9" Spacing Long Half Spool for 214 Brg. 4-3/16" Long (concave side)	*
	DGA104	10-1/2" Spacing Long Half Spool for 211 Brg. 5-5/16" Long (concave side)	*
	DGA105	10-1/2" Spacing Long Half Spool for 214 Brg. 5-11/16" Long (concave side)	*
10	DGA98	9" Spacing - Full Spool w/5" End Washer	*
	DGA99	10-1/2" Spacing - Full Spool w/5" End Washer	*
11	DG93	Heavy Flange for 210 Series Bearing	*
12	DG90	210 Series Sealed Bearing	*
13	DG95	211 Series Greaseable Brg.	*
	DG38	214 Series Greaseable Brg.	*
14	DGB5334	211 Housing c/w Bearing and Grease Fitting	*
	DGB5335	214 Housing c/w Bearing and Grease Fitting	*
15	DGA5315	R.H. Bearing Hanger - 211 Series Brg.	*
	DGA5317	L.H. Bearing Hanger - 211 Series Brg.	*
	DGA5318	R.H. Bearing Hanger - 214 Series Brg.	*
	DGA5319	L.H. Bearing Hanger - 214 Series Brg.	*
16		GANG BOLTS FOR 9" SPACING DISC	
	DGA65	5 Blade Gang Bolt - 41-3/4"	*
	DGA66	6 Blade Gang Bolt - 50-3/4"	*
	DGA67	7 Blade Gang Bolt - 60-1/2"	*
	DGA68	8 Blade Gang Bolt - 69-3/4"	*
	DGA69	9 Blade Gang Bolt - 78-3/4"	*
	DGA70	10 Blade Gang Bolt - 88-1/4"	*
	DGA71	11 Blade Gang Bolt - 97-1/2"	*
	DGA72	12 Blade Gang Bolt - 106-3/4"	*
	DGA73	13 Blade Gang Bolt - 115-3/4"	*

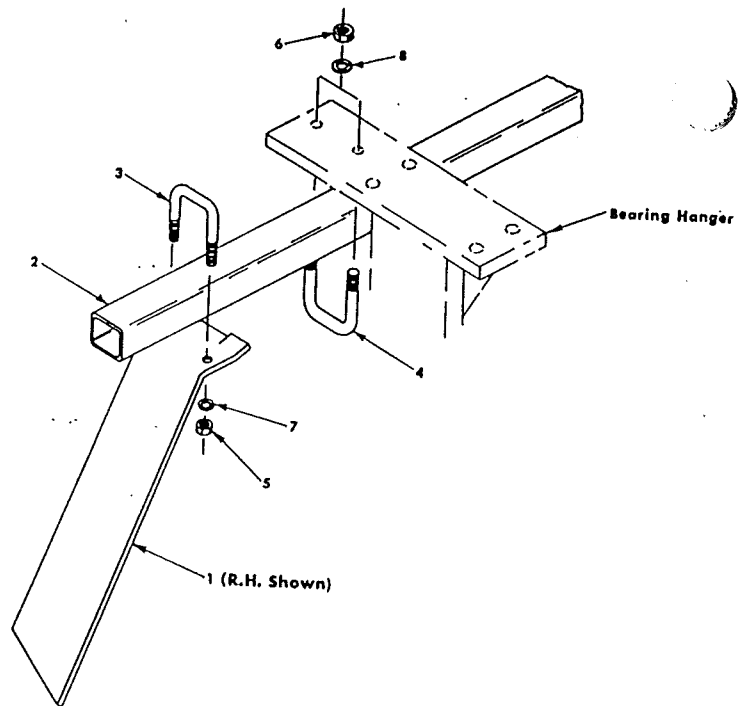
Ref. No.	Part No.	Description	Qty. Req'd
		GANG BOLTS FOR 10-1/2" SPACING DISC	
	DGA77	7 Blade Gang Bolt - 69-1/4" Long	*
	DGA78	8 Blade Gang Bolt - 80" Long	*
	DGA79	9 Blade Gang Bolt - 90-3/4" Long	*
	DGA80	10 Blade Gang Bolt - 101-3/4" Long	*
	DGA81	11 Blade Gang Bolt - 112-1/2" Long	*
	DGA35	Socket Wrench	*
17	DGS314	U-bolt - 7/8" x 6-3/8" Long	*
18	10GH1	1/4" - 28" Grease Fitting	*
19		3/8" x 3" Cotter Pin	*
20		1/2" x 2" N.C. Hex Bolt - 211 Series Brg.	*
21		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Brg.	*
22		1/2" N.C. Hex Nut - 211 Series Brg.	*
		5/8" N.C. Hex Nut - 214 Series Brg.	*
23		7/8" N.C. Hex Nut	*
24		1/2" Lockwasher - 211 Series Brg.	*
		5/8" Lockwasher - 214 Series Brg.	*
25		7/8" Lockwasher	*
26		1/2" x 1-1/2" N.C. Carriage Head Bolt	*
27	DGA5320	R.H. 2" Offset Hanger - 211 Series Brg.	*
	DGA5321	L.H. 2" Offset Hanger - 211 Series Brg.	*
	DGA5322	R.H. 2" Offset Hanger - 214 Series Brg.	*
	DGA5323	L.H. 2" Offset Hanger - 214 Series Brg.	*
	DGA9080	L.H. 3" Offset Hanger - 211 Series Brg.	*
	DGA9081	R.H. 3" Offset Hanger - 211 Series Brg.	*
	DGA9082	L.H. 3" Offset Hanger - 214 Series Brg.	*
	DGA9083	R.H. 3" Offset Hanger - 214 Series Brg.	*
	DGS325	7/8" U-bolt x 7-5/8" Long (Stone Flex Hanger)	*
28	DGS313	Spring Shank 1-1/4" x 2-1/2" (Stone Flex Hanger)	*
29	DGS328	Backing Plate (Stone Flex Hanger)	*
30	DGA5333	Scraper Bar Support Bracket - for Standard Stone Flex Hanger (Shown)	*
31	DGA5336	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front L.H. Gang or Rear R.H. Gang	*
	DGA5337	Scraper Bar Support Bracket - for Offset Stone Flex Hanger - Used on Front R.H. Gang or Rear L.H. Gang	*
32	DGS331	Mount Bracket for 211 Bearing - for Standard Stone Flex Hanger (Shown)	*
	DGA5340	Mount Bracket for 211 Bearing - for Offset Stone Flex Hanger	*
	DGS324	Mount Bracket for 214 Bearing - for Standard Stone Flex Hanger (Shown)	*
	DGA5341	Mount Bracket for 214 Bearing - for Offset Stone Flex Hanger	*
33	DGS332	Shim - Used with Disc with 26" Cone Blade and Discs with 26" Standard Blades on 9" Spacing	*
34		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Brg.	*
		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Brg.	*
35		3/4" Lockwasher	*
36		3/4" N.C. Hex Nut	*
37		3/4" x 3-1/2" Hex Bolt	*
		3/4" x 4-1/2" Hex Bolt - used when Spring Hanger is equipped with Spacer #DGS332	*

*As Required

MODEL 1290 AND 1300 DISCS



SCRAPER ASSEMBLY (MODEL 1290 DISC ONLY)

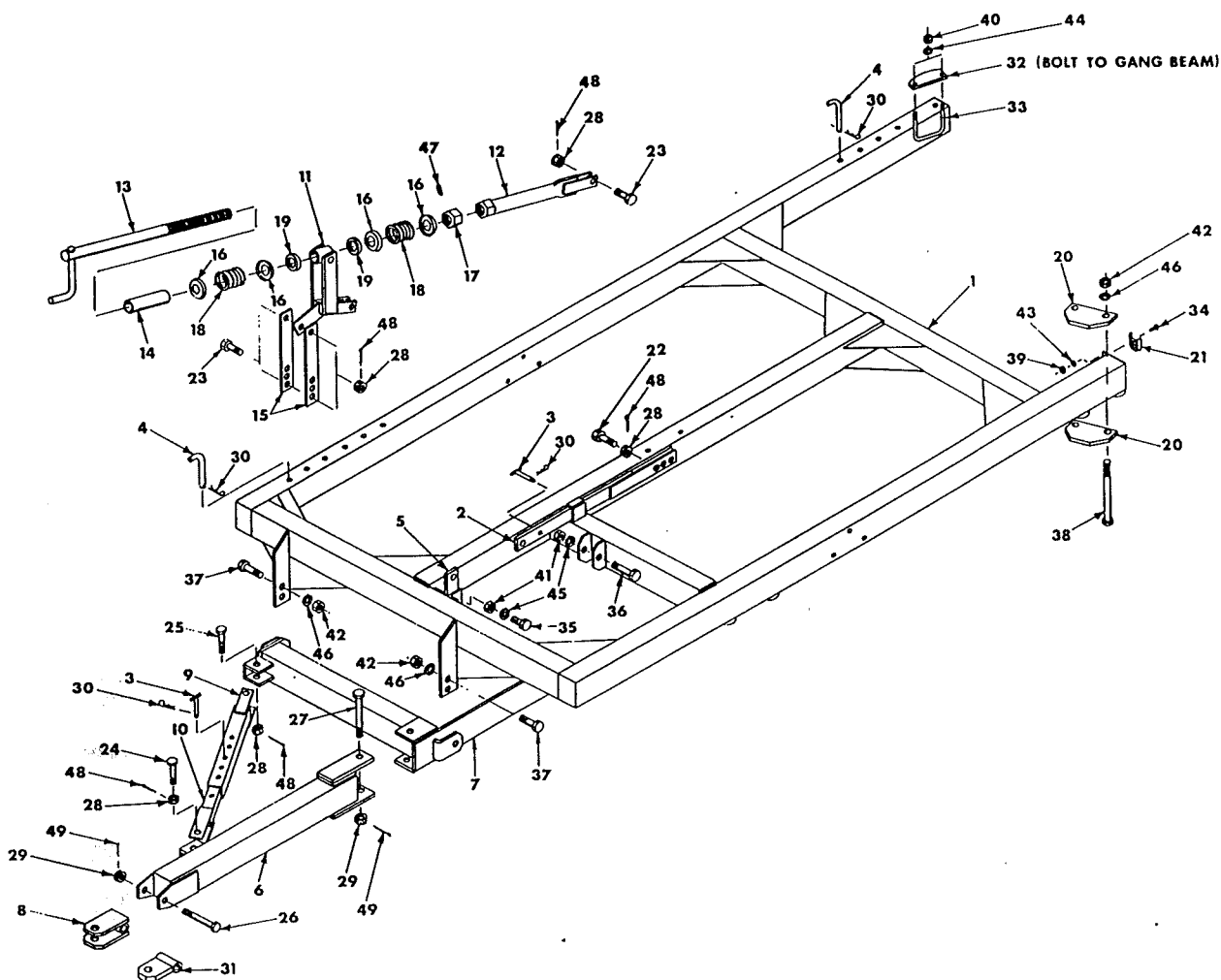


SCRAPER ASSEMBLY (MODEL 1300 ONLY)

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper - 1/4" thick 4" wide	*
	DG6084	R.H. Scraper - 1/4" thick 4" wide	*
2		<u>SCRAPER BAR FOR 8" SPACING DISC</u>	
	DS42	5 Blade Scraper Bar - 42"	*
	DS48	6 Blade Scraper Bar - 48"	*
	DS60	7 Blade Scraper Bar - 60"	*
	DS66	8 Blade Scraper Bar - 66"	*
	DS72	9 Blade Scraper Bar - 72"	*
	DS84	10 Blade Scraper Bar - 84"	*
	DS90	11 Blade Scraper Bar - 90"	*
	DS102	12 Blade Scraper Bar - 102"	*
	DS108	13 Blade Scraper Bar - 108"	*
	DS114	14 Blade Scraper Bar - 114"	*
	DS126	15 Blade Scraper Bar - 126"	*
		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS48	5 Blade Scraper Bar - 48"	*
	DS54	6 Blade Scraper Bar - 54"	*
	DS66	7 Blade Scraper Bar - 66"	*
	DS72	8 Blade Scraper Bar - 72"	*
	DS84	9 Blade Scraper Bar - 84"	*
	DS90	10 Blade Scraper Bar - 90"	*
	DS102	11 Blade Scraper Bar - 102"	*
	DS114	12 Blade Scraper Bar - 114"	*
	DS120	13 Blade Scraper Bar - 120"	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	L.H. Scraper	*
	DG5301	R.H. Scraper	*
	DG5304	L.H. Scraper (For Cone Blades Only)	*
	DG5305	R.H. Scraper (For Cone Blades Only)	*
2		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS48	5 Blade Scraper Bar - 48"	*
	DS54	6 Blade Scraper Bar - 54"	*
	DS66	7 Blade Scraper Bar - 66"	*
	DS72	8 Blade Scraper Bar - 72"	*
	DS84	9 Blade Scraper Bar - 84"	*
	DS90	10 Blade Scraper Bar - 90"	*
	DS102	11 Blade Scraper Bar - 102"	*
	DS114	12 Blade Scraper Bar - 114"	*
	DS120	13 Blade Scraper Bar - 120"	*
		<u>SCRAPER BAR FOR 10-1/2" SPACING DISC</u>	
	DS72	7 Blade Scraper Bar - 72"	*
	DS84	8 Blade Scraper Bar - 84"	*
	DS96	9 Blade Scraper Bar - 96"	*
	DS108	10 Blade Scraper Bar - 108"	*
	DS120	11 Blade Scraper Bar - 120"	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

MODEL 1400 DISCS



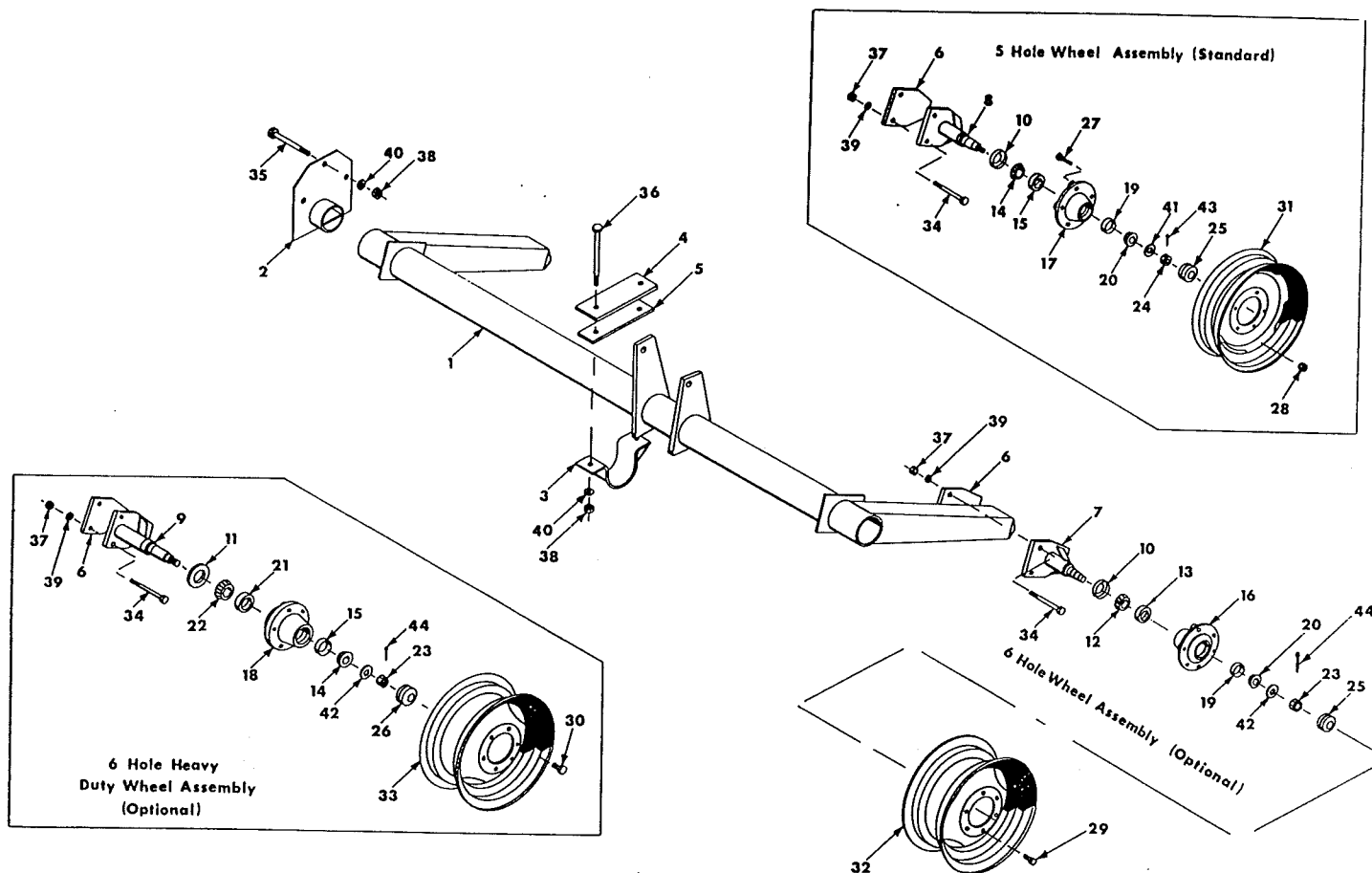
FRAME, HITCH AND SOLID GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA10	Main Frame	1
2	DFA17	Push Arm	1
3	DFA19	Pin	2
4	DF37	Pin	2
5	DF148	Cylinder Lug	1
6	DHA15	Tongue	1
7	DHA16	Draw Bar	1
8	DHA17	Clevis	1
9	DHA19	Female Half of Tongue Brace	1
10	DHA20	Male Half of Tongue Brace	1
11	DCA1	Pivot Arm	1
12	DCA2	Adjustment Pipe	1
13	DCA3	Crank	1
14	DC16	Sleeve	1
15	DC12	Link	2
16	DC13	Spring Retainer Cup	4
17	DH5	2" N.C. Heavy Hex Nut - Drilled	1
18	DH1	Spring	2
19	DC15	Thrust Bearing - Timken #T1199	2
	DG167	Gang Beam Clamp Plate	8
	DF54	SMV Sign Bracket	1
	DF151	1" x 3" N.C. Hex Bolt (Drilled)	1
23	DC14	1" x 3" N.C. Hex Bolt (Drilled)	3
24	DH75	1" x 5-1/2" N.C. Hex Bolt (Drilled)	1
25	DH76	1" x 6" N.C. Hex Bolt (Drilled)	1
26	DH77	1-1/4" x 7-1/2" N.C. Hex Bolt (Drilled)	1

Ref. No.	Part No.	Description	Qty. Req'd
27	DH78	1-1/4" x 10-1/2" N.C. Hex Bolt (Drilled)	1
28	L1574	1" N.C. Hex Slotted Nut	6
29	DG125	1-1/4" N.C. Hex Slotted Nut	2
30	DR129	Hair Pin Cotter	4
31	DHA18	Male Hitch Lug (Optional)	1
32	DG160	Thrust Block	2
33	DG18	U-Bolt (3/4" x 6")	2
STANDARD HARDWARE			
34		5/16" x 3/4" N.C. Carriage Bolt	2
35		1" x 3" N.C. Hex Bolt	1
36		1" x 5-1/2" N.C. Hex Bolt	1
37		1-1/4" x 4" N.C. Hex Bolt	2
38		1-1/4" x 14" N.C. Hex Bolt	8
39		5/16" N.C. Hex Nut	2
40		3/4" N.C. Hex Nut	4
41		1" N.C. Hex Nut	2
42		1-1/4" N.C. Hex Nut	10
43		5/16" Lockwasher	2
44		3/4" Lockwasher	4
45		1" Lockwasher	2
46		1-1/4" Lockwasher	10
47		1/2" x 1" N.C. Square Head Set Screw	1
48		3/16" x 1-1/2" Cotter Pin	6
49		1/4" x 2" Cotter Pin	2

*As Required

MODEL 1400 DISC



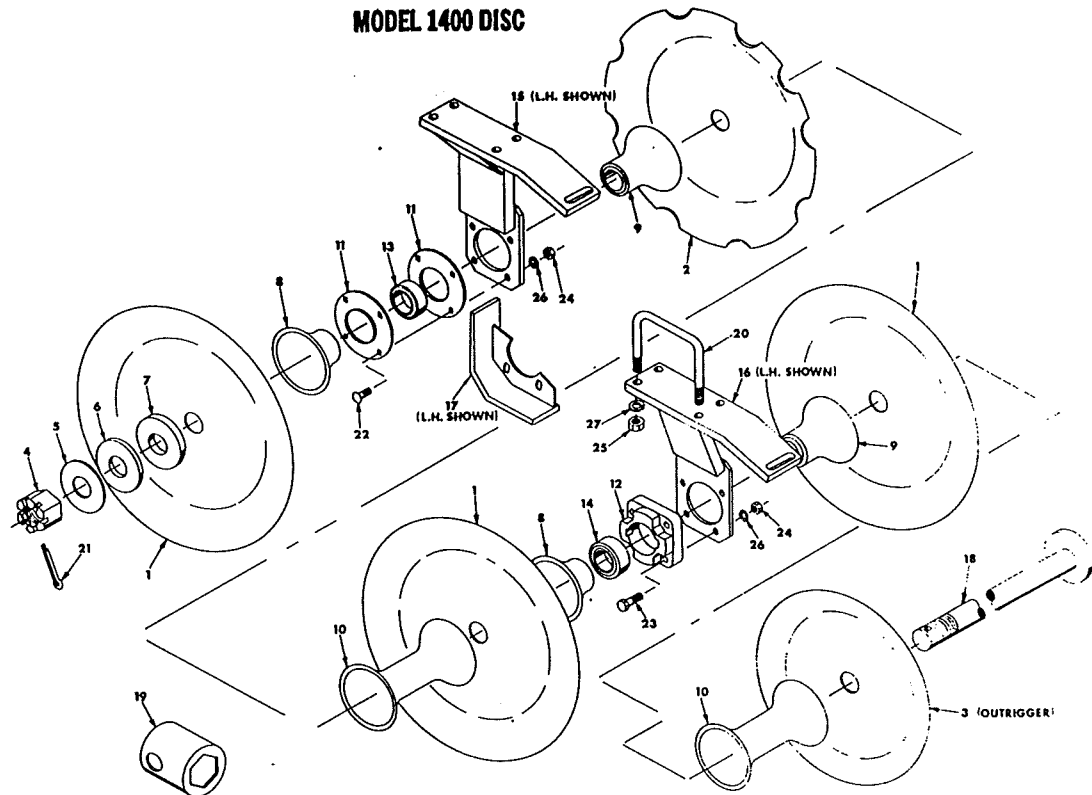
ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA10	Rockshaft	1
2	DRA11	End Rockshaft Bearing	2
3	DFA40	Center Rockshaft Bearing	1
4	DF149	Wide Spacer Plate	1
5	DF150	Narrow Spacer Plate	*
6	DR76	Ade Backing Plate	*
7	DRA6	Ade Assembly	*
8	DRA2	Ade Assembly	*
9	DRA8	Ade Assembly	*
10	DR85	Grease Seal	*
11	DR122	Grease Seal	*
12	DR108	Cone Bearing #LM29749	*
13	DR106	Cup #LM29710	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
16	DRA7	Hub - c/w cups	*
17	DRA3	Hub - c/w cups	*
18	DRA9	Hub - c/w cups	*
19	DR90	Cup #LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #25520	*
22	DR120	Cone Bearing #25580	*
23	DR110	1" N.F. Hex Slotted Nut	*
24	DR82	3/4" N.F. Hex Slotted Nut	*
25	DR88	Hub Cap	*

Ref. No.	Part No.	Description	Qty. Req'd
26	DR123	Hub Cap	*
27	DR87	Wheel Bolt	*
28	DR86	Tapered Wheel Nut - 1/2" N.F.	*
29	DR111	Wheel Stud	*
30	DR125	Wheel Stud	*
31	DR93	15" x 5" - 5 Hole Rim (Use 7.60L x 15 Tire)	*
32	DR126	15" x 6" - 6 Hole Rim (Use 7.60L x 15 Tire)	*
	DR127	15" x 8" - 6 Hole Rim (Use 9.5L x 15 Tire)	*
33	DR127	15" x 8" - 6 Hole Rim (Use 9.5L x 15 Tire)	*
		STANDARD HARDWARE	
34		5/8" x 6" N.C. Hex Bolt	6
35		3/4" x 6" N.C. Hex Bolt	6
36		3/4" x 9" N.C. Hex Bolt	2
37		5/8" N.C. Hex Nut	6
38		3/4" N.C. Hex Nut	8
39		5/8" Lockwasher	6
40		3/4" Lockwasher	8
41		1-3/4" O.D. x 13/16" I.D. x 1/8" Flatwasher	*
42		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
43		3/16" x 1" Cotter Pin	*
44		3/16" x 1-1/4" Cotter Pin	*
Not Shown	LOGN1	1/4" x 28" Grease Fitting	*

*As Required

MODEL 1400 DISC



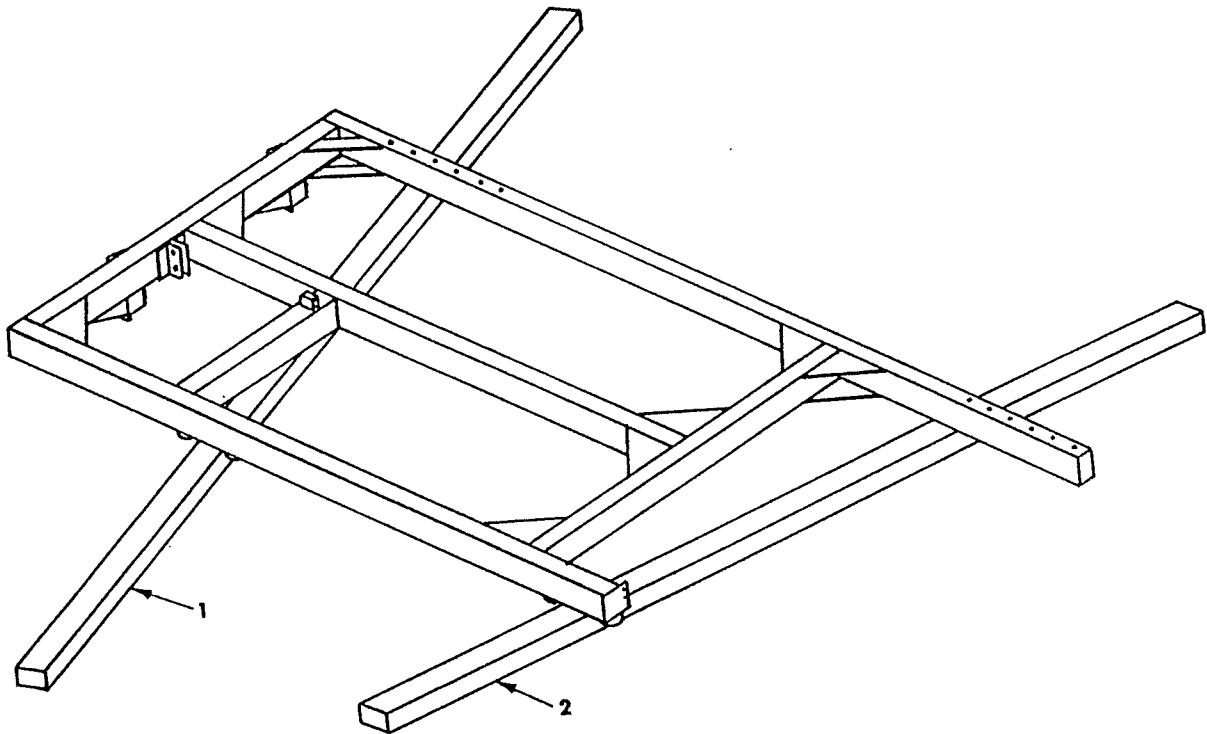
DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 5" mm (.197) Plain Disc Blade	*
	DG64	22" x 6" mm (.236) Plain Disc Blade	*
	G60	22" x 7" mm (.275) Plain Disc Blade	*
	G68	24" x 1/4" Standard Disc Blade - Solid	*
	DG76	24" x 7" mm (.275) Plain Disc Blade	*
	DG137	24" x 8" mm (.5/16) Plain Disc Blade	*
	DG141	26" x 7" mm (.275) Plain Disc Blade	*
	DG157	26" x 8" mm (.5/16) Plain Disc Blade	*
	DG141	26" x 7" mm (.275) Cone Disc Blade - Solid	*
	DG157	26" x 8" mm (.5/16) Cone Disc Blade - Solid	*
2	DG79	24" x 7" mm (.275) Notched Disc Blade	*
	DG138	24" x 8" mm (.5/16) Notched Disc Blade	*
	DG75	26" x 8" mm (.5/16) Notched Disc Blade	*
3	DG133	18" x 5" mm (.197) Outrigger Blade	*
	DG134	20" x 5" mm (.197) Outrigger Blade	*
	DG62	22" x 5" mm (.197) Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	5" O.D. x 2" I.D. x 1/4" Shim Washer	*
6	DG88	5" O.D. x 2" I.D. x 1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG6	9" Spacing Short 1/4 Spool for 210 and 211 Series Bearings	*
	DG25	10-1/2" Spacing Short 1/4 Spool for 211 Series Bearing	*
	DG32	9" Spacing Short 1/4 Spool for 214 Series Bearing	*
	DG39	10-1/2" Spacing Short 1/4 Spool for 214 Series Bearing	*
9	DG5	9" Spacing Long 1/4 Spool for 210 and 211 Series Bearings	*
	DG31	9" Spacing Long 1/4 Spool for 214 Series Bearing	*
	DG4	10-1/2" Spacing Long 1/4 Spool for 211 Series Bearing	*
	DG33	10-1/2" Spacing Long 1/4 Spool for 214 Series Bearing	*
10	DG2	9" Spool	*
	DG3	10-1/2" Spool	*
11	DG91	Standard Flangette for 210 Series Bearing	*
	DG93	Heavy Duty Flangette for 210 Series Bearing	*
12	DG92	Bearing Housing for 210 Series Bearing	*
	DG94	Bearing Housing for 211 Series Bearing	*
	DG96	Bearing Housing for 214 Series Bearing	*
13	DG90	210 Series Sealed Bearing	*
14	DG34	210 Series Greaseable Bearing	*
	DG95	211 Series Greaseable Bearing	*
	DG38	214 Series Greaseable Bearing	*
15	DGA6	L.H. Straight Bearing Hanger - Short (Used 1973 and prior) (Used with 210 and 211 Series Bearings)	*
	DGA7	R.H. Straight Bearing Hanger - Short (Used 1973 and prior) (Used with 210 and 211 Series Bearings)	*
	DGA53	L.H. Straight Bearing Hanger - Long (Used 1974 and later) (Used with 210 and 211 Series Bearings)	*
	154	R.H. Straight Bearing Hanger - Long (Used 1974 and later) (Used with 210 and 211 Series Bearings)	*
	DGA55	R.H. Straight Bearing Hanger (Used with 214 Series Bearings)	*
	DGA56	L.H. Straight Bearing Hanger (Used with 214 Series Bearing)	*

Ref. No.	Part No.	Description	Qty. Req'd
16	DGA8	R.H. Offset Bearing Hanger - Short (Used 1973 and prior) (Used with 210 and 211 Series Bearing)	*
	DGA9	L.H. Offset Bearing Hanger - Short (Used 1973 and prior) (Used with 210 and 211 Series Bearing)	*
	DGA47	R.H. Offset Bearing Hanger - Short (Used 1974 and later) (Used with 210 and 211 Series Bearing)	*
	DGA48	L.H. Offset Bearing Hanger - Short (Used 1974 and later) (Used with 210 and 211 Series Bearing)	*
	DGA57	R.H. Offset Bearing Hanger - (Used with 214 Series Bearing)	*
	DGA58	L.H. Offset Bearing Hanger - (Used with 214 Series Bearing)	*
17	DGA37	R.H. Sand Guard (California Only)	*
	DGA38	L.H. Sand Guard (California Only)	*
18		GANG BOLTS FOR 9" SPACING GANG	
	DGA65	5 Blade Gang Bolt	*
	DGA67	7 Blade Gang Bolt	*
	DGA68	8 Blade Gang Bolt	*
	DGA69	9 Blade Gang Bolt	*
	DGA70	10 Blade Gang Bolt	*
	DGA71	11 Blade Gang Bolt	*
	DGA72	12 Blade Gang Bolt	*
	DGA73	13 Blade Gang Bolt	*
	DGA74	14 Blade Gang Bolt	*
		GANG BOLTS FOR 10-1/2" SPACING GANG	
	DGA75	5 Blade Gang Bolt	*
	DGA76	6 Blade Gang Bolt	*
	DGA77	7 Blade Gang Bolt	*
	DGA78	8 Blade Gang Bolt	*
	DGA79	9 Blade Gang Bolt	*
	DGA80	10 Blade Gang Bolt	*
	DGA81	11 Blade Gang Bolt	*
	DGA82	12 Blade Gang Bolt	*
	DGA83	13 Blade Gang Bolt	*
	DGA84	14 Blade Gang Bolt	*
19	DGA35	Socket Wrench	1
20	DG18	U-Bolt	*
21		3/8" x 3" Cotter Pin	*
		STANDARD HARDWARE	
22		1/2" x 1-1/2" N.C. Carriage Head Bolt	*
		1/2" x 2" N.C. Carriage Head Bolt - If Sand Guards are used	*
23		1/2" x 2" N.C. Hex Bolt	*
		1/2" x 2-1/4" N.C. Bolt - If Sand Guards are used	*
24		1/2" N.C. Hex Nut	*
25		3/4" N.C. Hex Nut	*
26		1/2" Lockwasher	*
27		3/4" Lockwasher	*

*As Required

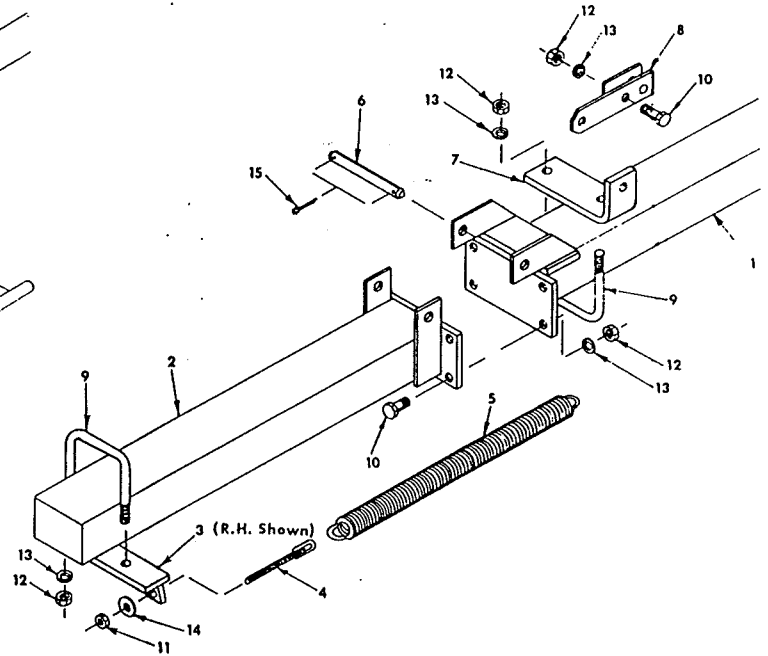
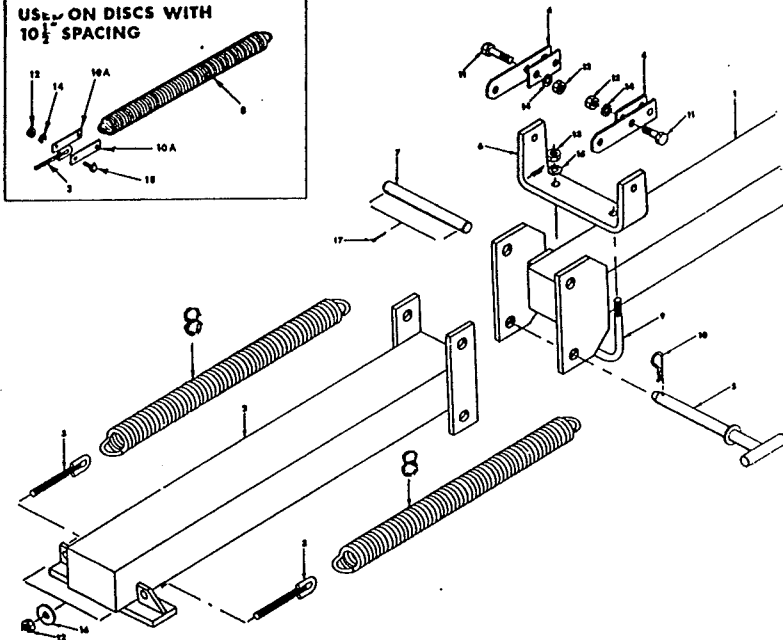
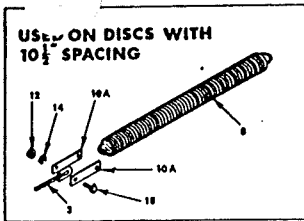
MODEL 1400 DISC



SOLID TYPE GANG BEAM PARTS LIST

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS132	FOR GANG BEAM LENGTH FOR YOUR DISC SEE CHART ON PAGE 25 AND 26	
	DBS150	132" Front Gang Beam	1
2	DBS168	150" Front Gang Beam	1
	DBS177	168" Front Gang Beam	1
	DBS185	177" Front Gang Beam	1
	DBS195	185" Front Gang Beam	1
	DBS204	195" Front Gang Beam	1
	DBS213	204" Front Gang Beam	1
	DBS222	213" Front Gang Beam	1
	DBS240	222" Front Gang Beam	1
	DBS249	240" Front Gang Beam	1
	DBS258	249" Front Gang Beam	1
	DBS267	258" Front Gang Beam	1
	DBS279	267" Front Gang Beam	1
	DBS141	279" Front Gang Beam	1
	DBS159	141" Rear Gang Beam	1
	DBS177	159" Rear Gang Beam	1
	DBS185	177" Rear Gang Beam	1
	DBS195	185" Rear Gang Beam	1
	DBS204	195" Rear Gang Beam	1
	DBS213	204" Rear Gang Beam	1
	DBS222	213" Rear Gang Beam	1
	DBS240	222" Rear Gang Beam	1
	DBS231	240" Rear Gang Beam	1
	DBS249	231" Rear Gang Beam	1
	DBS258	249" Rear Gang Beam	1
	DBS267	258" Rear Gang Beam	1
	DBS279	267" Rear Gang Beam	1
	DBS289	279" Rear Gang Beam	1
		289" Rear Gang Beam	1

MODEL 1400 DISCS

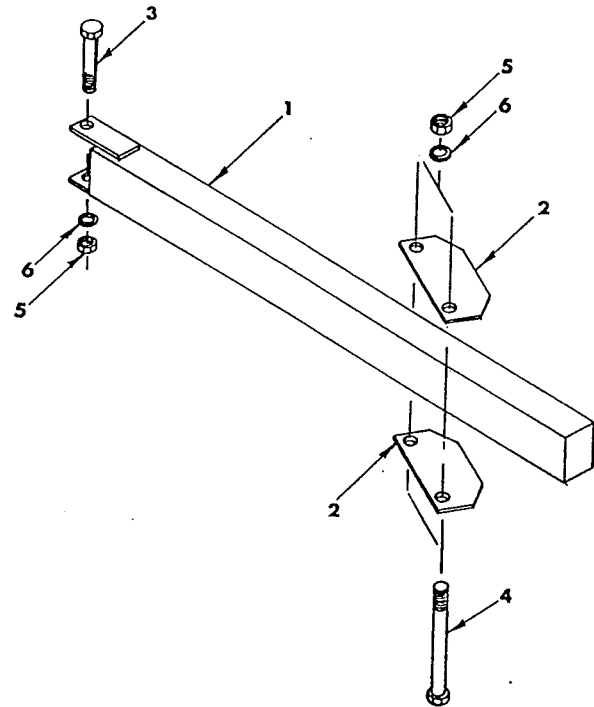
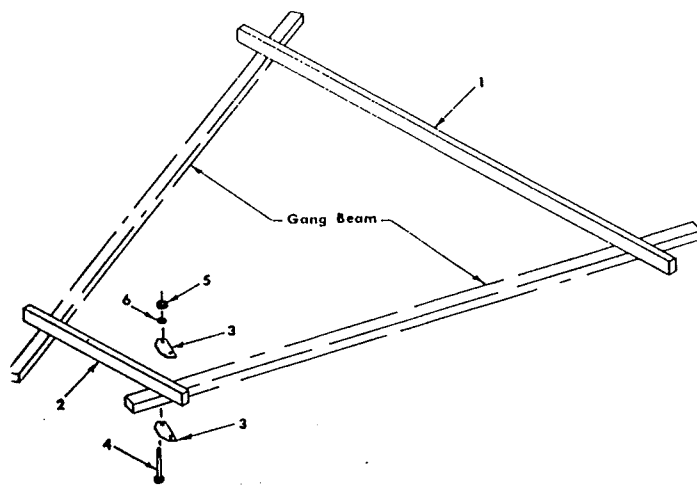


WING TYPE GANG BEAM (DOUBLE SPRING)

Ref. No.	Part No.	Description	Qty. Req'd
		FOR GANG BEAM LENGTH FOR YOUR DISC SEE CHART ON PAGE 25 & 26	
1	DBH130	130" Hinged Gang Beam	1
	DBH139	139" Hinged Gang Beam	1
	DBH148	148" Hinged Gang Beam	1
	DBH151	151" Hinged Gang Beam	1
	DBH157	157" Hinged Gang Beam	1
	DBH162	162" Hinged Gang Beam	1
	DBH167	167" Hinged Gang Beam	1
	DBH167	173" Hinged Gang Beam	1
	DBH173	175" Hinged Gang Beam	1
	DBH175	183" Hinged Gang Beam	1
	DBH183	185" Hinged Gang Beam	1
	DBH185	194" Hinged Gang Beam	1
	DBH194	194" Hinged Gang Beam	1
2	DWA10	Flip-up Wing - 9" Spacing Disc	4
	DWA14	Flip-up Wing - 10-1/2" Spacing Disc	4
3	DWA13	I-Bolt	8
4	DWA12	Pivot Arm	8
5	DWA11	Lock Pin	4
6	DW29	Pivot Arm Support Bracket	4
7	DW24	Hinge Pin	4
8	DW31	Spring	4
9	DG18	U-Bolt (3/4" x 6")	4
10	DW25	Hair Pin Cotter	4
10A	DW32	Link	16
		STANDARD HARDWARE	
		5/8" x 2-1/2" N.C. Hex Bolt	8
		5/8" N.C. Hex Nut	24
		3/4" N.C. Hex Nut	8
14		5/8" Lockwasher	16
15		3/4" Lockwasher	8
16		1-1/2" O.D. x 11/16" L.D. x 1/8" Flatwasher	8
17		1/4" x 2" Cotter Pin	8
18		5/8" x 2" N.C. Hex Bolt	8

WING TYPE GANG BEAM (SINGLE SPRING)

Ref. No.	Part No.	Description	Qty. Req'd
		FOR GANG BEAM LENGTH FOR YOUR DISC SEE CHART ON PAGE 25 & 26	
1	DBH132-0	132" Hinged Gang Beam	1
	DBH141-0	141" Hinged Gang Beam	1
	DBH150-0	150" Hinged Gang Beam	1
	DBH153-0	153" Hinged Gang Beam	1
	DBH159-0	159" Hinged Gang Beam	1
	DBH164-0	164" Hinged Gang Beam	1
	DBH168-0	168" Hinged Gang Beam	1
	DBH174-0	174" Hinged Gang Beam	1
	DBH177-0	177" Hinged Gang Beam	1
	DBH185-0	185" Hinged Gang Beam	1
	DBH186-0	186" Hinged Gang Beam	1
	DBH195-0	195" Hinged Gang Beam	1
2	DWA1	Flip-Up Wing - 9" Spacing Disc	4
	DWA6	Flip-Up Wing - 10-1/2" Spacing Disc	4
3	DWA2	Wing Lift Bracket R.H.	2
	DWA3	Wing Lift Bracket L.H.	2
4	DWA4	I-Bolt	4
5	DW13	Spring	4
6	DW4	Hinge Pin	4
7	DW12	Pivot Arm Support Bracket	4
8	DWA5	Pivot Arm	4
9	DG18	U-Bolt (3/4" x 6")	8
		STANDARD HARDWARE	
10		3/4" x 2-1/2" N.C. Hex Bolt	20
11		5/8" N.C. Hex Nut	4
12		3/4" N.C. Hex Nut	36
13		3/4" Lockwasher	36
14		1-1/2" O.D. x 11/16" L.D. x 1/8" Flatwasher	4
15		1/4" x 1-1/2" Cotter Pin	8



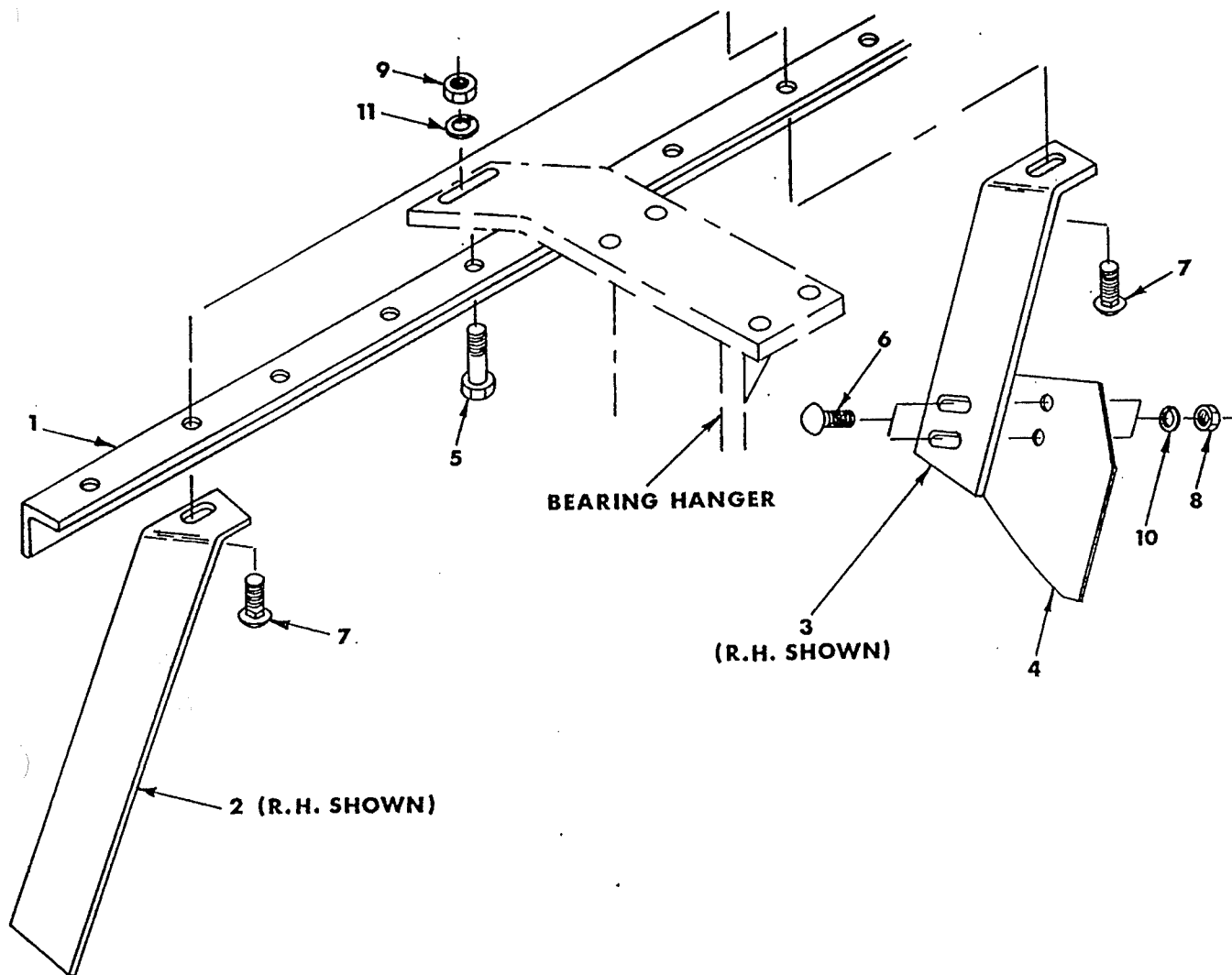
STABILIZER BEAM PARTS LIST (OPTIONAL)

Ref. No.	Part No.	Description	Qty. Req'd
1	DBA246	Long Stabilizer Beam	1
2	DBA90	Short Stabilizer Beam	1
3	DG161	Clamp Plate	8
		<u>STANDARD HARDWARE</u>	
4		1" x 14" N.C. Hex Bolt	8
5		1" N.C. Hex Nut	8
6		1" Lockwasher	8

STABILIZER BEAM PARTS LIST (OPTIONAL) (ANGLE BRACE TYPE)

Ref. No.	Part No.	Description	Qty. Req'd
1	DBA72	Stabilizer Beam	2
2	DG161	Clamp Plate	4
3		1" x 9" N.C. Hex Bolt	2
4		1" x 14" N.C. Hex Bolt	4
5		1" N.C. Hex Nut	4
6		1" Lockwasher	4

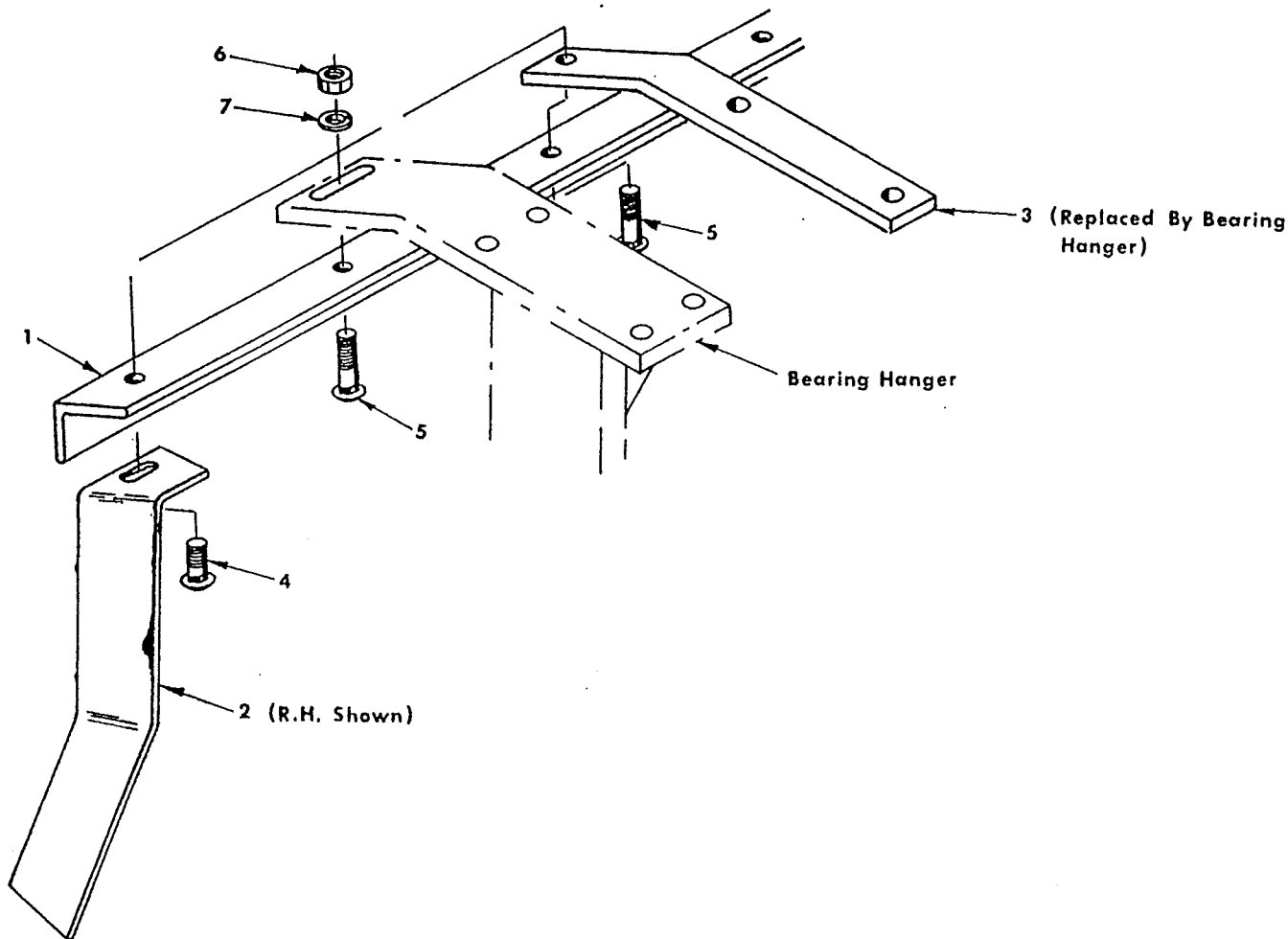
MODEL 1400 DISC



SCRAPER ASSEMBLY (ALL PURPOSE & WIDE PAN TYPE) (1974 & LATER)

Ref. No.	Part No.	Description	Qty. Req'd
1	DG97	Scraper Bar - for 5 Blade Gang with 9" Spacing	*
	DG99	Scraper Bar - for 7 Blade Gang with 9" Spacing	*
	DG100	Scraper Bar - for 8 Blade Gang with 9" Spacing	*
	DG101	Scraper Bar - for 9 Blade Gang with 9" Spacing	*
	DG102	Scraper Bar - for 10 Blade Gang with 9" Spacing	*
	DG103	Scraper Bar - for 11 Blade Gang with 9" Spacing	*
	DG104	Scraper Bar - for 12 Blade Gang with 9" Spacing	*
	DG105	Scraper Bar - for 13 Blade Gang with 9" Spacing	*
	DG106	Scraper Bar - for 14 Blade Gang with 9" Spacing	*
	DG170	Scraper Bar - for 5 Blade Gang with 10-1/2" Spacing	*
	DG171	Scraper Bar - for 6 Blade Gang with 10-1/2" Spacing	*
	DG172	Scraper Bar - for 7 Blade Gang with 10-1/2" Spacing	*
	DG173	Scraper Bar - for 8 Blade Gang with 10-1/2" Spacing	*
	DG174	Scraper Bar - for 9 Blade Gang with 10-1/2" Spacing	*
	DG175	Scraper Bar - for 10 Blade Gang with 10-1/2" Spacing	*
	DG176	Scraper Bar - for 11 Blade Gang with 10-1/2" Spacing	*
	DG177	Scraper Bar - for 12 Blade Gang with 10-1/2" Spacing	*
	DG178	Scraper Bar - for 13 Blade Gang with 10-1/2" Spacing	*
	DG179	Scraper Bar - for 14 Blade Gang with 10-1/2" Spacing	*
Ref. No.	Part No.	Description	Qty. Req'd
2	DG204	L.H. All Purpose Scraper - for Standard Disc Blade	*
	DG205	R.H. All Purpose Scraper - for Standard Disc Blade	*
	DG206	L.H. All Purpose Scraper - for Cone Disc Blade	*
3	DG207	R.H. All Purpose Scraper - for Cone Disc Blade	*
	DG209	L.H. Wide Pan Scraper Holder - for Standard Disc Blade	*
	DG210	R.H. Wide Pan Scraper Holder - for Standard Disc Blade	*
	DG211	L.H. Wide Pan Scraper Holder - for Cone Disc Blade	*
	DG212	R.H. Wide Pan Scraper Holder - for Cone Disc Blade	*
4	DG208	Wide Pan Scraper Blade	*
		<u>STANDARD HARDWARE</u>	
5		5/8" x 2" N.C. Hex Bolt	*
6		1/2" x 1-1/4" N.C. Carriage Bolt	*
7		5/8" x 1-1/2" N.C. Carriage Bolt	*
8		1/2" N.C. Hex Nut	*
9		5/8" N.C. Hex Nut	*
10		1/2" Lockwasher	*
11		5/8" Lockwasher	*

MODEL 1400 DISC



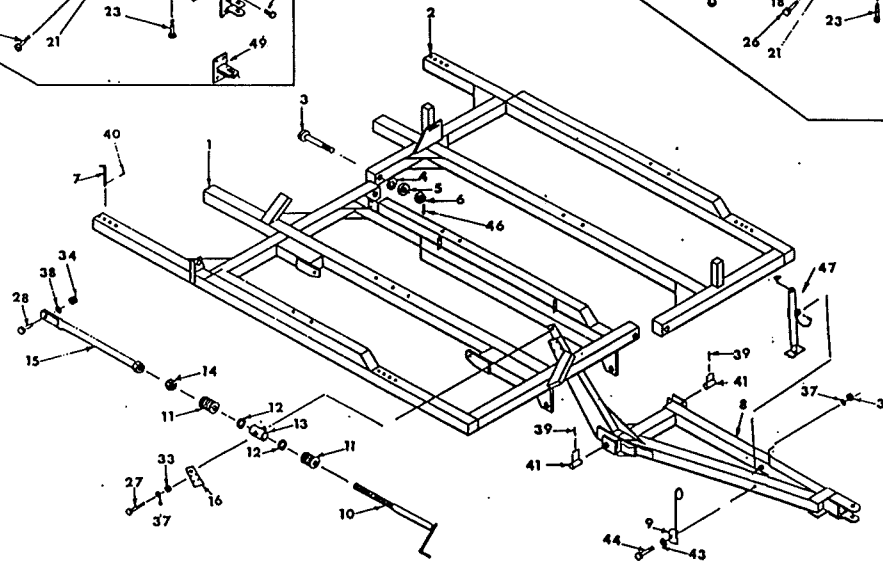
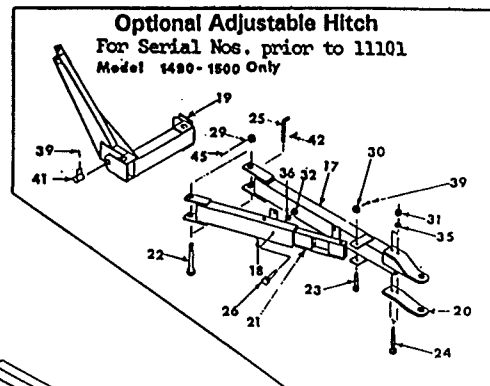
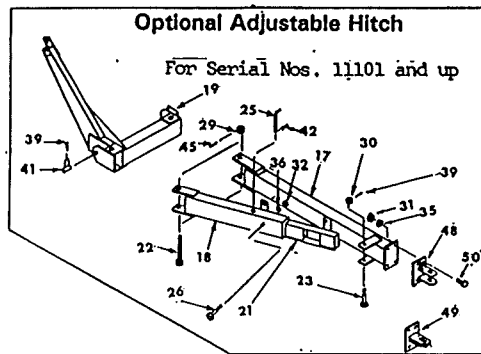
SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG97	Scraper Bar - for 5 Blade Gang with 9" Spacing	*
	DG99	Scraper Bar - for 7 Blade Gang with 9" Spacing	*
	DG100	Scraper Bar - for 8 Blade Gang with 9" Spacing	*
	DG101	Scraper Bar - for 9 Blade Gang with 9" Spacing	*
	DG102	Scraper Bar - for 10 Blade Gang with 9" Spacing	*
	DG103	Scraper Bar - for 11 Blade Gang with 9" Spacing	*
	DG104	Scraper Bar - for 12 Blade Gang with 9" Spacing	*
	DG105	Scraper Bar - for 13 Blade Gang with 9" Spacing	*
	DG106	Scraper Bar - for 14 Blade Gang with 9" Spacing	*
	DG170	Scraper Bar - for 5 Blade Gang with 10-1/2" Spacing	*
	DG171	Scraper Bar - for 6 Blade Gang with 10-1/2" Spacing	*
	DG172	Scraper Bar - for 7 Blade Gang with 10-1/2" Spacing	*
	DG173	Scraper Bar - for 8 Blade Gang with 10-1/2" Spacing	*
	DG174	Scraper Bar - for 9 Blade Gang with 10-1/2" Spacing	*
	DG175	Scraper Bar - for 10 Blade Gang with 10-1/2" Spacing	*
	DG176	Scraper Bar - for 11 Blade Gang with 10-1/2" Spacing	*
	DG177	Scraper Bar - for 12 Blade Gang with 10-1/2" Spacing	*
	DG178	Scraper Bar - for 13 Blade Gang with 10-1/2" Spacing	*
	DG179	Scraper Bar - for 14 Blade Gang with 10-1/2" Spacing	*

Ref. No.	Part No.	Description	Qty. Req'd
2	DG200	L.H. Scraper - for Standard Disc Blade	*
	DG201	R.H. Scraper - for Standard Disc Blade	*
	DG202	L.H. Scraper - for Cone Disc Blade	*
	DG203	R.H. Scraper - for Cone Disc Blade	*
	DG118	Scraper Bar Bracket - Bolted to Gang Beam with U-Bolt #DG18 (Replaced by Bearing Hanger)	*
3	<u>STANDARD HARDWARE</u>		
	4	5/8" x 1-1/2" N.C. Carriage Head Bolt	*
	5	5/8" x 2-1/4" N.C. Carriage Head Bolt	*
	6	5/8" N.C. Hex Nut	*
7			
	7	5/8" Lockwasher	*

*As Required

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC

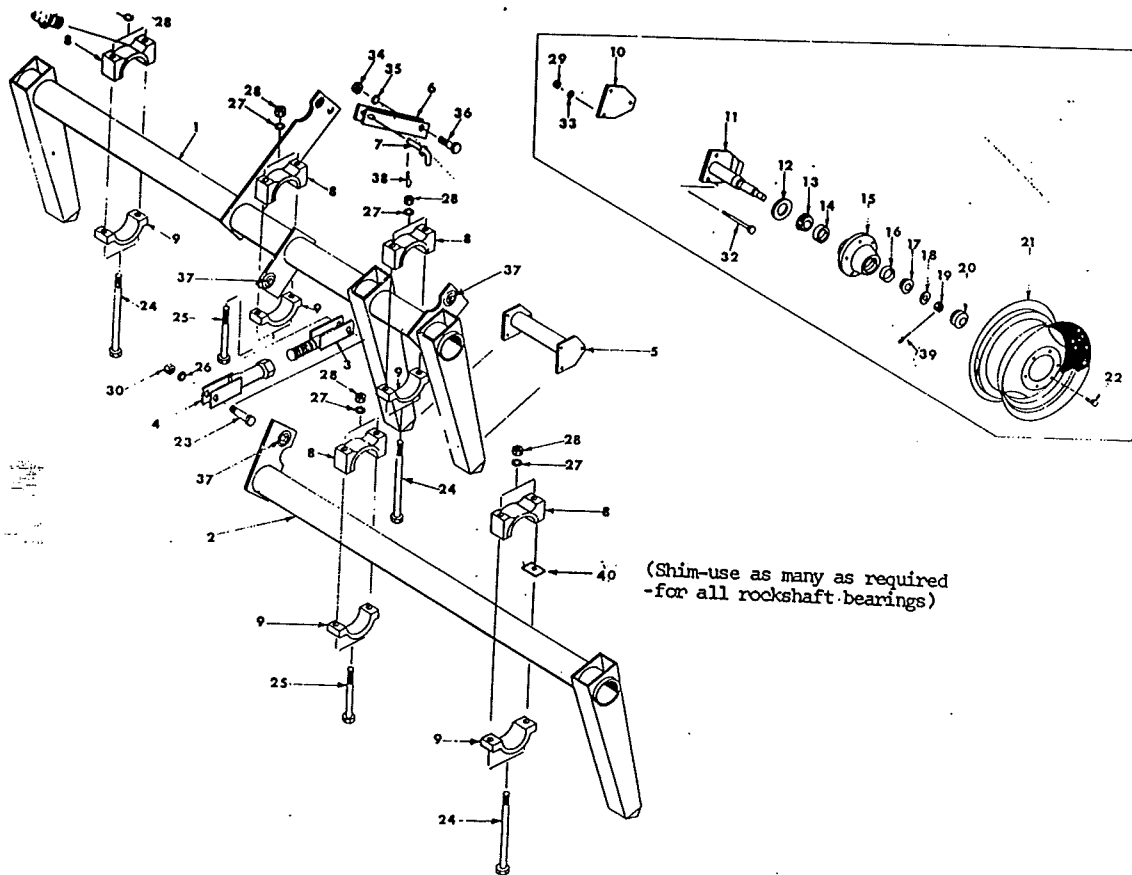


FRAME, HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFB8500	Main Frame c/w 2 Hinge Bolts c/w Washers & Nuts (Ref. #3-4-5-6), 2 Gang Pins (Ref. #7)	1	24		1" x 9-1/2" N.C. Hex Bolt (Optional Adjustable Hitch) For Serial Numbers Prior to 11101	1
2	DWB8537	Wing Frame c/w 2 Gang Pins (Ref. #7)	1	25	DH5156	Brace Pin (Optional Adjustable Hitch)	1
3	DFA5042	Hinge Bolt	2	26		3/4" x 6" N.C. Hex Bolt	1
4	DF5020	Rear Hinge Bolt Shim	1	27		1/2" x 5" N.C. Hex Bolt	4
5	DH3	Washer	2	28	DR5215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
6	DG82	2" N.C. Slotted Nut	2	29	DH5165	1-1/2" N.C. Hex Slotted Nut (Optional Adjustable Hitch)	2
7	DF37	Gang Beam Retainer Pin	4	30	DG125	1-1/4" N.C. Hex Slotted Nut (Optional Adjustable Hitch)	1
8	DHB8554	Standard Hitch c/w Pins & Crank Lug (Ref. #16-27-33-37-39-41)	1	31		1" N.C. Hex Nut (Optional Adjustable Hitch)	1
9	DHA5161	Hose Support	1	32		3/4" N.C. Hex Nut	11
10	DCA3	Crank - 33" Long	1	33		1/2" N.C. Hex Nut	4
11	DCS187	Compression Spring - Levelling Crank	2	34		1-1/4" N.C. Hex Nut	1
12	DC15	Thrust Bearing - Timken #T199	2	35		1" Lockwasher	2
13	DCA5184	Bearing Tube - Levelling Crank	1	36		3/4" Lockwasher	11
14	DH5	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1	37		1/2" Lockwasher	4
15	DCA8577	Levelling Link - 29" Pipe Length	1	38		1-1/4" Lockwasher	3
16	DH5146	Levelling Arm Lug	1	39		1/4" x 2" Cotter Pin (Optional Adjustable Hitch)	5
17	DHA5131	Tongue (Optional Adjustable Hitch) - For Serial Numbers Prior to 11101	1	40		3/16" x 1-1/4" Cotter Pin	4
	DHA5172	Tongue (Optional Adjustable Hitch) - For Serial Numbers 11101 and Up	1	41	DH8562	1-1/4" x 4-1/2" Hitch Pin	2
18	DHA5147	Hitch Brace - Female Half (Optional Adjustable Hitch)	1	42		Hair Pin Cotter (Optional Adjustable Hitch)	1
19	DHA8567	Draw Bar - (Optional Adjustable Hitch)	1	43	DW25	1-3/4" O.D. x 9/16" I.D. Flatwasher	1
	DH5158	Hitch - Bottom Half (Optional Adjustable Hitch) For Serial Numbers Prior to 11101	1	44		1/2" x 5-1/2" N.C. Hex Bolt	1
	DHA5150	Hitch Brace - Male Half (Optional Adjustable Hitch)	1	45		5/16" x 2-1/4" Cotter Pin (Optional Adjustable Hitch)	1
22	DH5164	1-1/2" x 11" Hex Bolt - Drilled for Cotter Pin (Optional Adjustable Hitch)	2	46		3/8" x 3" Cotter Pin	1
23	DH5167	1-1/4" x 9" Hex Bolt - Drilled for Cotter Pin (Optional Adjustable Hitch)	1	47	DHB5170	Hitch Jack	1
				48	DHA5176	Clevis Hitch Assembly - (Bolt-On) For Serial Number 11101 and Up	*
				49	DHA5179	Male Hitch Assembly - (Bolt-On) For Serial Numbers 11101 and Up	*
				50		1" x 2-1/2" N.C. Hex Bolt For Serial Numbers 1101 and Up	4

* As Required

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC

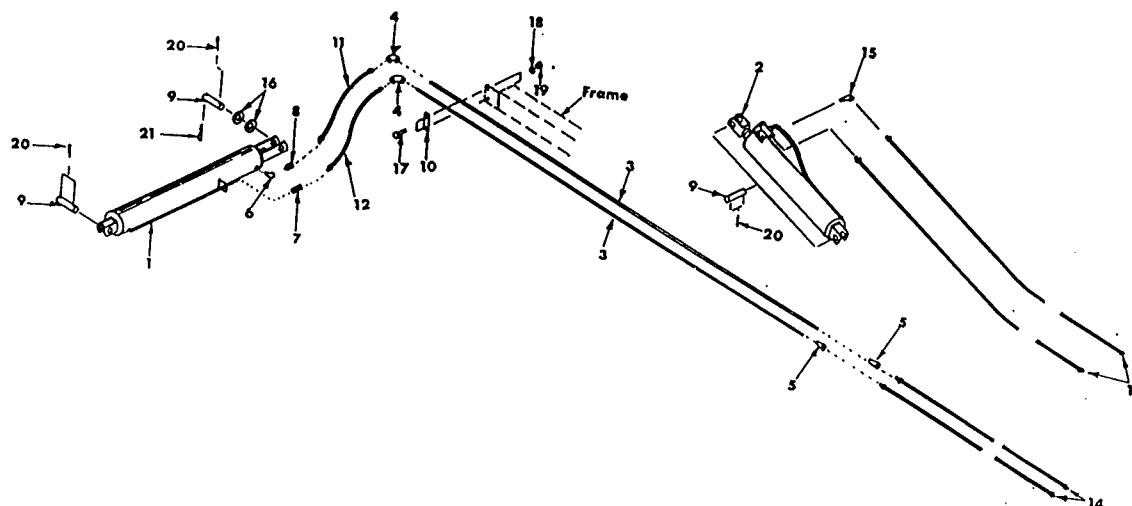


ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DRA8579	Main Frame Rockshaft	1	21	DR127	Wheel Rim - 15 x 8 - 6 Hole Rim (9.5L x 15 Tire or 11L x 15 Tire)	*
2	DRA8591	Wing Frame Rockshaft	1	22	DR125	9/16" x 1-1/8" N.F. Wheel Studs	2
3	DRA5213	Rockshaft Link - Male Half	1	23	DR5215	1-1/4" x 4-1/4" N.C. Hex Bolt (Special)	6
4	DRA5210	Rockshaft Link - Female Half	1	24		3/4" x 15" N.C. Hex Bolt	4
5	DRA8604	Wheel Leg Spacer	1	25		3/4" x 10-1/2" N.C. Hex Bolt	2
6	DRA5245	Lock-Up Strap	1	26		1-1/4" Lockwasher	10
7	DRA5248	Lock-Up Pin	1	27		3/4" Lockwasher	10
8	DR8601-T	Rockshaft Bearing - Top	5	28		3/4" N.C. Hex Nut	20
9	DR8601-B	Rockshaft Bearing - Bottom	5	29		5/8" N.C. Hex Nut	2
10	DR76	Axle Backing Plate	*	30		1-1/4" Hex Nut	5
11	DRA8	Axle Assembly	*	31	10GN1	1/4" - 28 Grease Fitting	12
12	DR122	Grease Seal NOK #AF7879E	*	32		5/8" x 6" N.C. Hex Nut	12
13	DR120	Inner Cone Bearing #LM25580	*	33		5/8" Lockwasher	1
14	DR118	Inner Cup #LM25520	*	34		1" N.C. Hex Nut	1
15	DRA9	Hub - c/w Cups	*	35		1" Lockwasher	1
16	DR92	Outer Cup - #LM48548	*	36		1" x 3" N.C. Hex Bolt	1
17	DR91	Outer Cone Bearing #LM48548	*	37	DR5227	1-1/4" Ball Joint (Weld-On)	1
18		2" O.D. x 1-1/6" I.D. x 1/8" Flatwasher	*	38	DW25	Hair Pin Cotter	1
19	DR110	1" N.F. Hex Slotted Nut	*	39		3/16" x 1-1/4" Cotter Pin	*
20	DR123	Hub Cap	*	40	DR8609	2" x 3" Rockshaft Bearing Shim	

* As Required

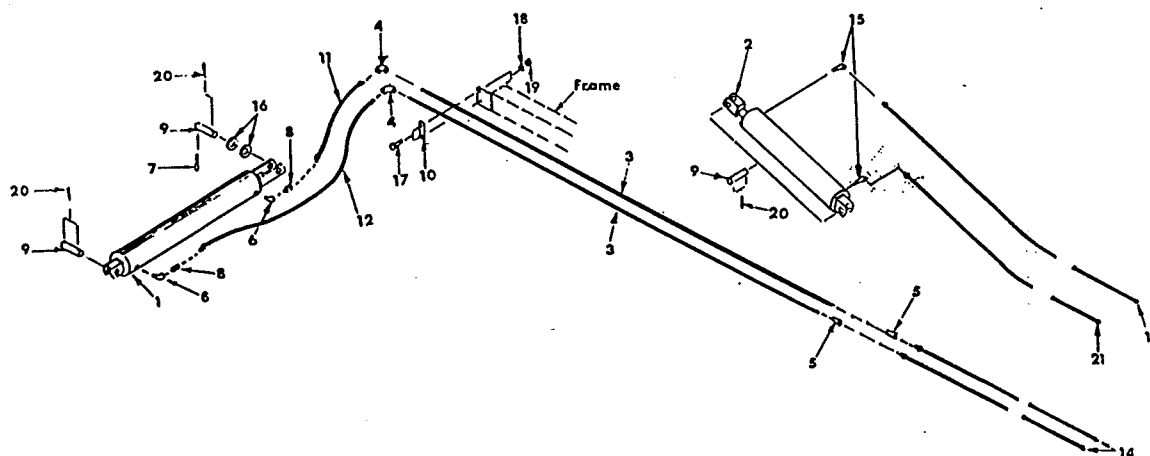
MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC



HYDRAULIC SYSTEM - FOR MODELS WITH SERIAL NO. UNDER 21814

Ref. No.	Part No.	Description	Qty. Req'd
1	214	5" x 36" Wing Lift Cylinder	1
2	205	4" x 24" Rockshaft Cylinder c/w Depth Control Stop, Less Flo-Valve, Elbows and Hose.	1
3	DF8599	Hydraulic Line	2
4	DL11	3/8" x 90 Degree Elbow	2
5	DL8590	3/8" x 1/2" Coupler	2
6	L1618	3/8" x 90 Degree Street Elbow	2
7	L29	3/8" Female Swivel Adapter	2
8	L1619	3/8" Male-Female Swivel Adapter	2
9	DR5252	Cylinder Pins	6
10	DF5066	Oil Line Clamp Plate	1

Ref. No.	Part No.	Description	Qty. Req'd
11	H23	3/8" x 23" Hose	1
12	H30	3/8" x 30" Hose	1
13	H198-1	1/2" x 198" Hose	2
14	H144-1	1/2" x 144" Hose	2
15	DL5271	1/2" x 90 Degree Street Elbow	1
16	DF5068	Spacer Washer	2
17		1/2" x 2" Hex Bolt	2
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	2
21	DW25	Hair Pin Cotter	1

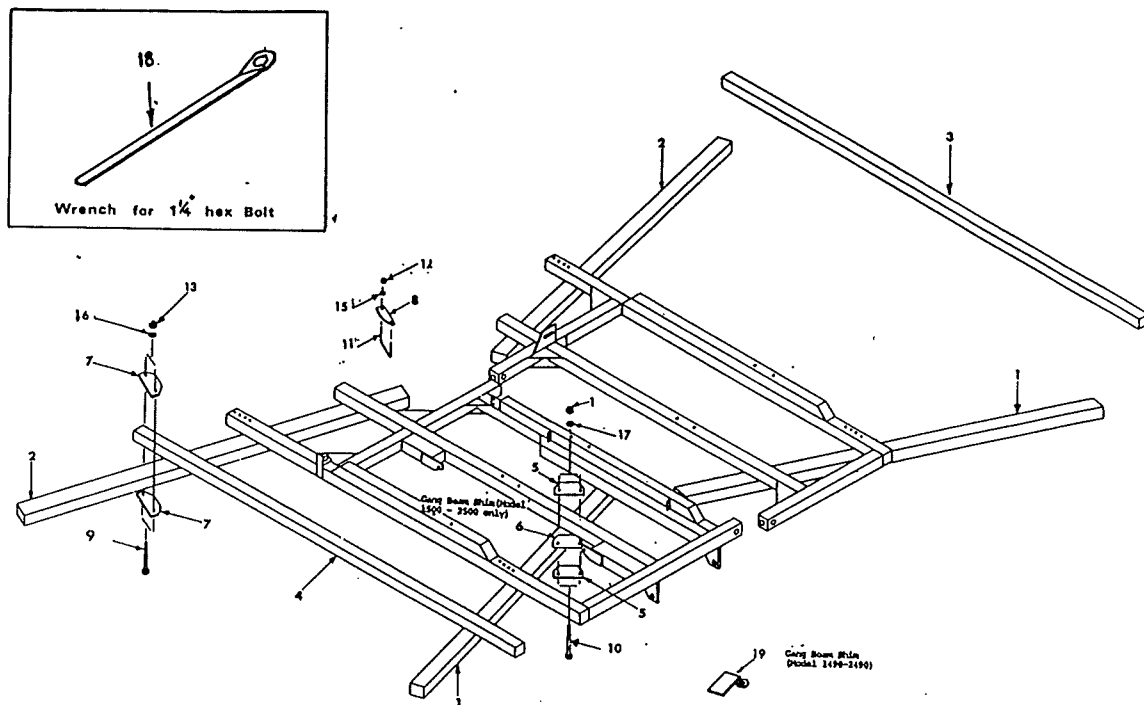


HYDRAULIC SYSTEM - FOR MODELS WITH SERIAL NO. OVER 21814

Ref. No.	Part No.	Description	Qty. Req'd
1	214,242	5" x 36" Wing Lift Cylinder	1
2	241	4" x 24" Rockshaft Cylinder	1
3	DF8599	Hydraulic Line	2
4	DL11	3/8" x 90 Degree Elbow	2
5	DL5280	3/8" Coupler	2
	L1618	3/8" x 90 Degree Street Elbow	2
	DW25	Hair Pin Cotter	1
8	L1619	3/8" Male-Female Swivel Adapter	2
9	DR5252	Cylinder Pins	6
10	DF5066	Oil Line Clamp Plate	1
11	H23	3/8" x 23" Hose	1

Ref. No.	Part No.	Description	Qty. Req'd
12	H60	3/8" x 60" Hose	1
13	H198-1	1/2" x 198" Hose	1
14	H144-1-3	3/8" x 144" Hose (One 3/8" End, One 1/2" End)	2
15	DL5271	1/2" x 90 Degree Street Elbow	2
16	DF5068	Spacer Washer	2
17		1/2" x 2" Hex Bolt	2
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	2
21	H172-1	1/2" x 172" Hose	1

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC



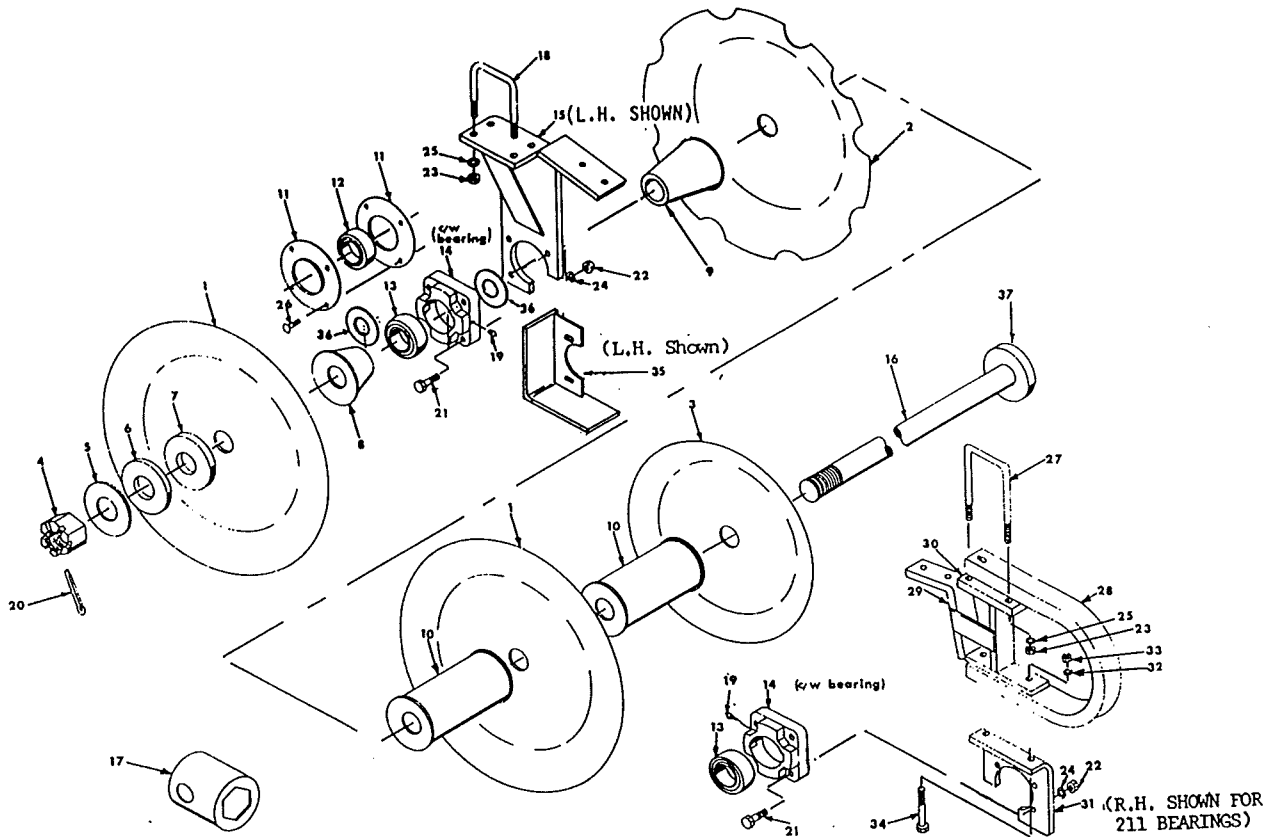
GANG BEAM & STABILIZER BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		<u>FRONT GANG BEAM FOR 8" SPACING MODEL 1490 DISC ONLY</u>				<u>REAR GANG BEAM FOR 8" SPACING MODEL 1500 DISC ONLY</u>	
	DBS4-84	84" Gang Beam (4" x 4") - 46 Blade Disc	2		DBS96	96" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2
	DBS4-90	90" Gang Beam (4" x 4") - 50 Blade Disc	2		DBS102	102" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2
	DBS4-102	102" Gang Beam (4" x 4") - 54 Blade Disc	2		DBS114	114" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2
	DBS4-108	108" Gang Beam (4" x 4") - 58 Blade Disc	2		DBS126	126" Gang Beam (6" x 4-1/2") - 54 Blade Disc	2
	DBS4-120	120" Gang Beam (4" x 4") - 62 Blade Disc	2		DBS132	132" Gang Beam (6" x 4-1/2") - 58 Blade Disc	2
	DBS4-126**	126" Gang Beam (4" x 4") - 66 Blade Disc	2		DBS144	144" Gang Beam (6" x 4-1/2") - 62 Blade Disc	2
	DBS4-132	132" Gang Beam (4" x 4") - 70 Blade Disc	2			<u>REAR GANG BEAM FOR 10-1/2" SPACING MODEL 1500 DISC ONLY</u>	
		<u>FRONT GANG BEAM FOR 9" SPACING MODEL 1490 DISC ONLY</u>			DBS96	96" Gang Beam (6" x 4-1/2") - 38 Blade Disc	2
	DBS4-84	84" Gang Beam (4" x 4") - 42 Blade Disc	2		DBS108	108" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2
	DBS4-96	96" Gang Beam (4" x 4") - 46 Blade Disc	2		DBS120	120" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2
	DBS4-102	102" Gang Beam (4" x 4") - 50 Blade Disc	2		DBS132	132" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2
	DBS4-114	114" Gang Beam (4" x 4") - 54 Blade Disc	2		DBS144	144" Gang Beam (6" x 4-1/2") - 54 Blade Disc	2
	DBS4-126**	126" Gang Beam (4" x 4") - 58 Blade Disc	2			<u>REAR GANG BEAM FOR 12" SPACING MODEL 1500 DISC ONLY</u>	
	DBS4-132	132" Gang Beam (4" x 4") - 62 Blade Disc	2		DBS102	102" Gang Beam (6" x 4-1/2") - 34 Blade Disc	2
		<u>FRONT GANG BEAM FOR 9" SPACING MODEL 1500 DISC ONLY</u>			DBS114	114" Gang Beam (6" x 4-1/2") - 38 Blade Disc	2
	DBS84	84" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2		DBS126	126" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2
	DBS96	96" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2		DBS138	138" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2
	DBS102	102" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2		DBS150	150" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2
	DBS114	114" Gang Beam (6" x 4-1/2") - 54 Blade Disc	2	3	DBS45-200	200" Stabilizer Beam (4-1/2" x 4-1/2") - Used on Larger Models Only	
	DBS126**	126" Gang Beam (6" x 4-1/2") - 58 Blade Disc	2			<u>FRONT GANG BEAM FOR 10-1/2" SPACING MODEL 1500 DISC ONLY</u>	
	DBS132	132" Gang Beam (6" x 4-1/2") - 62 Blade Disc	2		DBS90	90" Gang Beam (6" x 4-1/2") - 38 Blade Disc	2
2		<u>FRONT GANG BEAM FOR 10-1/2" SPACING MODEL 1500 DISC ONLY</u>		4	DBS45-182	182" Stabilizer Beam (4-1/2" x 4-1/2") - Used on Larger Models Only	
	DBS90	90" Gang Beam (6" x 4-1/2") - 38 Blade Disc	2	5	DG8621	Gang Beam Clamp Plate - 9-1/2" Long (Model 1490 Only)	16
	DBS96	96" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2		DG167	Gang Beam Clamp Plate - 10-3/4" Long (Model 1500 Only)	16
	DBS108	108" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2	6	DG163	Front Gang Beam Shim (Model 1500 Only) Used to Prevent Front Gangs From Ridding (Not Supplied As Standard Equipment)	*
	DBS120**	120" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2	7	DG161	Clamp Plate - (Model 1500 Only) 10-1/2" Long	8
	DBS132	132" Gang Beam (6" x 4-1/2") - 54 Blade Disc	2		DG8621	Clamp Plate - (Model 1490 Only) 9-1/2" Long	8
		<u>FRONT GANG BEAM FOR 12" SPACING MODEL 1500 DISC ONLY</u>		8	DG8622	Thrust Block - 6-1/4" Long (Model 1490 Only)	4
	DBS90	90" Gang Beam (6" x 4-1/2") - 34 Blade Disc	2		DG5360	Thrust Block - 8-1/2" Long (Model 1500 Only)	4
	DBS102	102" Gang Beam (6" x 4-1/2") - 38 Blade Disc	2	9		1" x 12" N.C. Hex Bolt (Stabilizer Beams Only)	8
	DBS114	114" Gang Beam (6" x 4-1/2") - 42 Blade Disc	2	10		1-1/4" x 11-1/2" N.C. Hex Bolt (Model 1490 Only)	16
	DBS126**	126" Gang Beam (6" x 4-1/2") - 46 Blade Disc	2			1-1/4" x 12" N.C. Hex Bolt (Model 1500 Only)	16
	DBS138	138" Gang Beam (6" x 4-1/2") - 50 Blade Disc	2	11	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long (Model 1490 Only)	4
		<u>REAR GANG BEAM FOR 8" SPACING MODEL 1490 DISC ONLY</u>		12	DG5314	7/8" x 6" U-Bolt - 6-1/4" Long (Model 1500 Only)	4
	DBS4-90	90" Gang Beam (4" x 4") - 46 Blade Disc	2			5/8" N.C. Hex Nut (Model 1490 Only)	8
	DBS4-102	102" Gang Beam (4" x 4") - 50 Blade Disc	2			7/8" N.C. Hex Nut (Model 1500 Only)	8
	DBS4-108	108" Gang Beam (4" x 4") - 54 Blade Disc	2	13		1" N.C. Hex Nut - (Stabilizer Beams Only)	8
	DBS4-120	120" Gang Beam (4" x 4") - 58 Blade Disc	2	14		1-1/4" N.C. Hex Nut (All Models)	16
	DBS4-126	126" Gang Beam (4" x 4") - 62 Blade Disc	2	15		5/8" Lockwasher (Model 1490 Only)	4
	DBS4-132	132" Gang Beam (4" x 4") - 66 Blade Disc	2			7/8" Lockwasher (Model 1500 Only)	4
	DBS4-144	144" Gang Beam (4" x 4") - 70 Blade Disc	2	16		2" O.D. x 1-1/32" I.D. x 1/4" Flatwasher (Stabilizer Beams Only)	16
		<u>REAR GANG BEAM FOR 9" SPACING MODEL 1490 DISC ONLY</u>		17		2-1/2" O.D. x 9/32" I.D. x 1/4" Flatwasher	16
	DBS-96	96" Gang Beam (4" x 4") - 42 Blade Disc	2	18	DGA5348	Wrench for 1-1/4" Hex Bolts (All Models)	16
	DBS-102	102" Gang Beam (4" x 4") - 46 Blade Disc	2	19	DGA8634	Front Gang Beam Shim (Model 1490 Only) - Used To Prevent Front Gangs From Ridding (Not Supplied As Standard Equipment)	
	DBS-114	114" Gang Beam (4" x 4") - 50 Blade Disc	2				
	DBS-126	126" Gang Beam (4" x 4") - 54 Blade Disc	2				
	DBS-132	132" Gang Beam (4" x 4") - 58 Blade Disc	2				
	DBS-144	144" Gang Beam (4" x 4") - 62 Blade Disc	2				

* As Required

** N disc is equipped with stabilizer beams. Order front gang beam 6" longer than length listed. This applies only to models with two asterisks beside the gang beam number.

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC



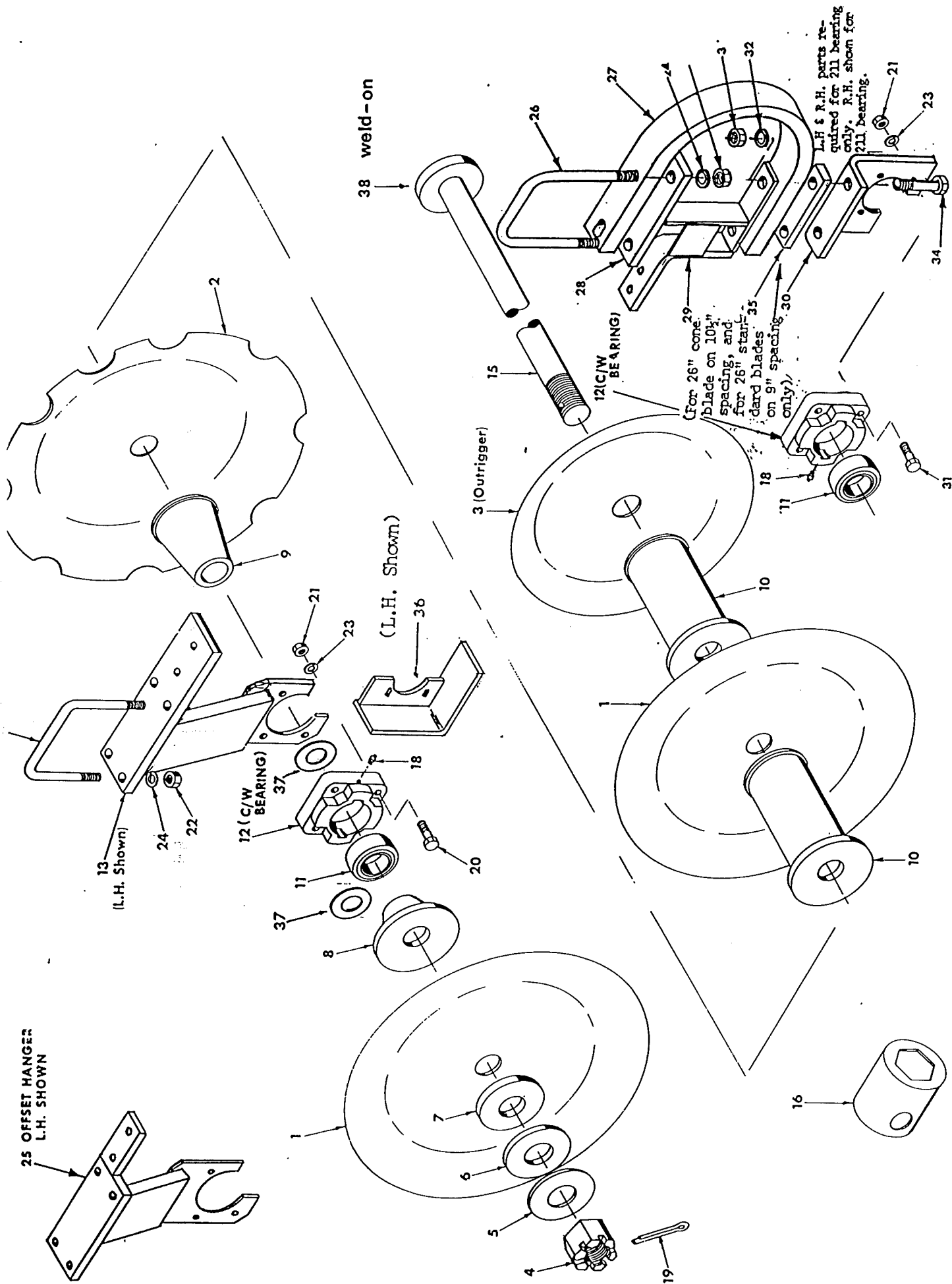
DISC GANG ASSEMBLY - MODEL 1490 DISC

Stone Flex Hanger (Optional)

Ref.	Part No.	Description	Qty. Req'd
2	DG149	20" x 6 mm (.236) Plain Disc Blade	*
	DG64	22" x 6 mm (.236) Plain Disc Blade	*
	DG60	22" x 7 mm (.275) Plain Disc Blade	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	*
	DG137	24" x 8 mm (.516) Plain Disc Blade	*
	DG150	20" x 6 mm (.236) Notched Disc Blade	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*
	DG79	24" x 7 mm (.275) Notched Disc Blade	*
	DG138	24" x 8 mm (.516) Notched Disc Blade	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*
	D134	20" x 5 mm (.197) Plain Outrigger Blade	*
4	DG82	2" Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DGA108	8" Spacing Short Half Spool - 2-3/8" Long	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long w/5" Washer	*
9	DGA102	8" & 9" Spacing Long Half Spool - 4-7/16" Long	*
10	DGA113	8" Spacing Full Spool (8" Long)	*
	DGA98	9" Spacing Full Spool with 5" End Washers (9" Long)	*
11	DG93	Heavy Duty Flange for 210 Series Bearing	*
12	DG90	210 Series Sealed Bearings	*
13	DG95	211 Series Greaseable Bearing	*
	DG38	214 Series Greaseable Bearing	*
14	DGB5334	211 Housing c/w Bearing & Grease Fitting	*
	DGB5335	214 Housing c/w Bearing & Grease Fitting	*
15	DGA6089	L.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*
	DGA6090	R.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*
	DGA10280	L.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*
	DGA10281	R.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*
16		GANG BOLTS FOR 8" SPACING	
	DGA86	6 Blade Gang Bolt - 46" Long	*
	DGA87	7 Blade Gang Bolt - 54-1/2" Long	*
	DGA88	8 Blade Gang Bolt - 62-3/4" Long	*
	DGA89	9 Blade Gang Bolt - 71" Long	*
	DGA90	10 Blade Gang Bolt - 79-1/2" Long	*
	DGA70	11 Blade Gang Bolt - 88-1/4" Long	*
	DGA92	12 Blade Gang Bolt - 96" Long	*
	DGA93	13 Blade Gang Bolt - 104-1/4" Long	*
	DGA94	14 Blade Gang Bolt - 112-1/2" Long	*
	DGA95	15 Blade Gang Bolt - 121" Long	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
		GANG BOLTS FOR 9" SPACING	
	DGA66	6 Blade Gang Bolt - 50-3/4" Long	*
	DGA67	7 Blade Gang Bolt - 60-1/2" Long	*
	DGA68	8 Blade Gang Bolt - 69-3/4" Long	*
	DGA69	9 Blade Gang Bolt - 78-3/4" Long	*
	DGA70	10 Blade Gang Bolt - 88-1/4" Long	*
	DGA71	11 Blade Gang Bolt - 97-1/2" Long	*
	DGA72	12 Blade Gang Bolt - 106-3/4" Long	*
	DGA73	13 Blade Gang Bolt - 115-3/4" Long	*
	DGA74	14 Blade Gang Bolt - 125" Long	*
17	DGA35	Socket Wrench	1
18	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	*
19	10GN1	1/4" - 28 Grease Nipple	*
20	DG83	3/8" x 3" Cotter Pin	*
21		1/2" x 2-1/4" N.C. Hex Bolt	*
		1/2" x 2-1/4" N.C. Hex Bolt	*
		(If Sand Guard is Used)	
22		1/2" N.C. Hex Nut	*
23		5/8" N.C. Hex Nut	*
24		1/2" Lockwasher	*
25		5/8" Lockwasher	*
26		1/2" x 1-3/4" N.C. Carriage Head Bolt	*
		1/2" x 2" N.C. Carriage Head Bolt	*
		(If Sand Guard is Used)	
27	DG10290	3/4" x 4" U-Bolt - 6-13/16" Long	*
	DG8541	5/8" x 4" U-Bolt - 6-13/16" Long	*
28	DG8150	1-1/4" x 2" Spring Shank	*
29	DGA8612	Scraper Bar Support Bracket (Stone Flex Hanger)	*
30	DG8617	Backing Plate - (Stone Flex Hanger)	*
31	DG5342	Bracket L.H. Mounting For 211 Series - (Stone Flex Hanger)	*
	DG5343	Bracket - Mounting For 214 Series - (Stone Flex Hanger)	*
	DG5324	Bracket - Mounting For 214 Series - (Stone Flex Hanger)	*
32		3/4" Lockwasher	*
33		3/4" N.C. Hex Nut	*
34		3/4" x 3-1/2" N.C. Hex Bolt	*
35	DGA37	Sand Guard - R.H. For 211 Series Bearing (California Only)	*
	DGA38	Sand Guard - L.H. For 211 Series Bearing (California Only)	*
	DGA39	Sand Guard - R.H. For 214 Series Bearing (California Only)	*
	DGA40	Sand Guard - L.H. For 214 Series Bearing (California Only)	*
36	DG236	211 Gang Bearing Shield	*
	DG237	214 Gang Bearing Shield	*
37	DGA5370	5" O.D. Weld-On Washer	*



Optional Spring Hanger

MODEL 1500 DOUBLE OFFSET TANDEM DISC

DISC GANG - MODEL 1500 DISC

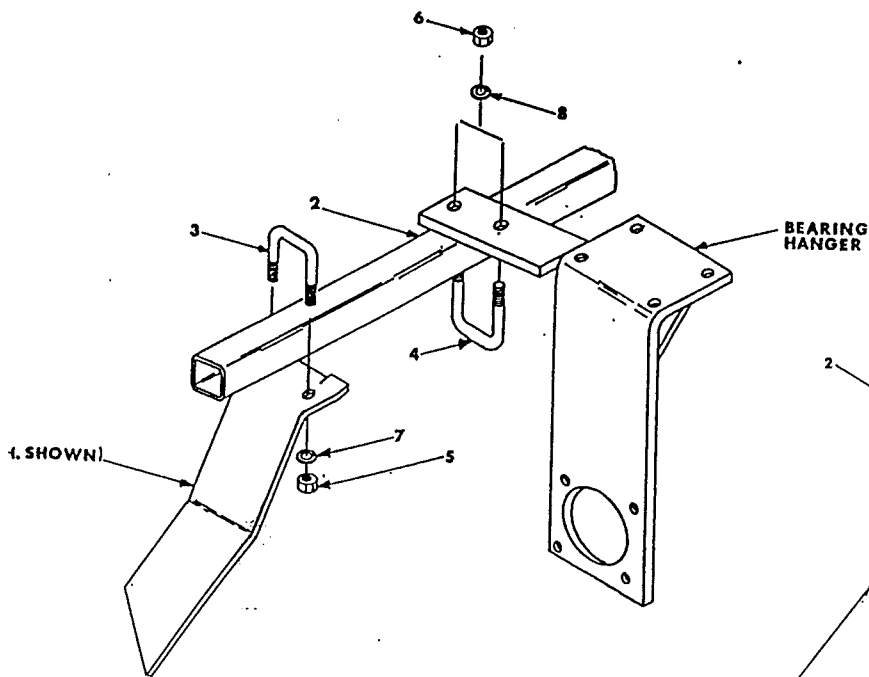
Qty. Req'd	Part No.	Description	Ref. No.	Part No.	Description	Qty. Req'd
1	DG60	22" x 7 mm (.275) Plain Disc Blade	16	DGA35	Socket Wrench	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	17	DGS314	U-Bolt 7/8" x 6-3/8" Long. Use on Standard Hangers For Spring Shank Hangers Use Part #DGS325.	*
	DG137	24" x 8 mm (.516") Plain Disc Blade	18	10GN1	1/4" - 28 Grease Nipple	*
	DG80	26" x 7 mm (.275) Plain Disc Blade	19		3/8" x 3" Cotter Pin	*
	DG74	26" x 8 mm (.516") Plain Disc Blade	20		3/8" x 3" Cotter Pin	*
	DG145	22" x 7 mm (.275) Cone Disc Blade - Solid			1/2" x 2" N.C. Hex Bolt - 211 Series Bearing	*
	DG139	24" x 7 mm (.275) Cone Disc Blade - Solid			1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing (If Sand Guards Are Used)	*
	DG141	26" x 7 mm (.275) Cone Disc Blade - Solid			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
	DG157	26" x 8 mm (.516") Cone Disc Blade - Solid			5/8" x 2-1/2" N.C. Hex Bolt - 214 Series Bearing (If Sand Guards Are Used)	*
2	DG61	22" x 7 mm (.275) Notched Disc Blade	21		5/8" N.C. Hex Nut - For 211 Series Bearing	*
	DG79	24" x 7 mm (.275) Notched Disc Blade			1/2" N.C. Hex Nut - For 214 Series Bearing	*
	DG138	24" x 8 mm (.516") Notched Disc Blade	22		7/8" N.C. Hex Nut	*
	DG81	26" x 7 mm (.275) Notched Disc Blade	23		1/2" Lockwasher - For 211 Series Bearing	*
	DG75	26" x 8 mm (.516") Notched Disc Blade			5/8" Lockwasher - For 214 Series Bearing	*
	DG146	22" x 7 mm (.275) Cone Disc Blade - Solid	24		7/8" Lockwasher	*
	DG142	26" x 7 mm (.275) Cone Disc Blade - Solid	25	DGA5320	R.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt) - 2" Offset	*
	DG158	26" x 8 mm (.516") Cone Disc Blade - Solid			L.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt) - 2" Offset	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade		DGA5321	R.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt) - 2" Offset	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade		DGA5322	L.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt) - 2" Offset	*
	DG134	20" x 5 mm (.197) Plain Outrigger Blade		DGA5323	L.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt) - 2" Offset	*
	DG64	22" x 6 mm (.236) Plain Outrigger Blade	26	DGS325	7/8" U-Bolt x 7-5/8" Long (Stone Flex Hanger)	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	27	DGS313	Spring Shank 1-1/4" x 2-1/2" (Stone Flex Hanger)	*
5	DG89	1/4" Shim Washer	28	DGA5328	Backing Plate (Stone Flex Hanger)	*
6	DG88	1/2" Shim Washer	29	DGA5333	Scraper Bar Support Bracket - For Standard Stone Flex Hanger (Shown) and 1-1/2" Offset Brackets For Discs With 26" Cone Blades on 10-1/2" and 12" Spacing or 24" Cone Blades on 9" Spacing	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer		DGA5336	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used on Front L.H. Gang or Rear R.H. Gang	*
8	DGA106**	9" & 10-1/2" Spacing Short Half Spool For 211 & 214 Bearings. 3-1/4" Long (Convex Side) With 6" Washer		DGA5337	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used on Front R.H. Gang or Rear L.H. Gang	*
	DGA110**	12" Spacing Short Half Spool For 211 & 214 Bearings. 4-3/4" Long (Convex Side) With 6" Washer	30	DGS342	Bracket L.H. Mounting For 211 Series - Standard Stone Flex Hanger	*
9	DGA102	9" Spacing Long Half Spool For 211 Bearings. 4-7/16" Long (Concave Side)		DGS343	Bracket R.H. Mounting For 211 Series - Standard Stone Flex Hanger	*
	DGA103	9" Spacing Long Half Spool For 214 Bearings. 4-3/16" Long (Concave Side)		DGS374	Bracket L.H. Mounting For 211 Series - 1-1/2" Offset Stone Flex Hanger	*
	DGA104	10-1/2" and 12" Spacing Long Half Spool For 211 Bearings. 5-5/16" Long (Concave Side)		DGS375	Bracket R.H. Mounting For 211 Series - 1-1/2" Offset Stone Flex Hanger	*
	DGA105	10-1/2" and 12" Spacing Long Half Spool For 214 Bearings. 5-11/16" Long (Concave Side)		DGA5344	Bracket L.H. Mounting For 211 Series - 2" Offset Stone Flex Hanger	*
10	DGA100	9" Spacing Spool - 6" Dia. One End		DGA5345	Bracket R.H. Mounting For 211 Series - 2" Offset Stone Flex Hanger	*
	DGA101	10-1/2" Spacing Spool - 6" Dia. One End		DGA5324	Mounting Bracket For 214 Series - Standard Stone Flex Hanger	*
	DGA111	12" Spacing Spool - 6" Dia. One End		DGA5376	Mounting Bracket For 214 Series - 1-1/2" Offset Stone Flex Hanger	*
	DG95	211 Series Greaseable Bearing		DGA5341	Mounting Bracket For 214 Series - 2-1/2" Offset Stone Flex Hanger	*
	DG38	214 Series Greaseable Bearing	31		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
12	DGB5334	211 Housing c/w Bearing and Grease Fitting			1/2" x 2-1/2" N.C. Hex Bolt - 211 Series Bearing (If Sand Guards Are Used)	*
	DGB5335	214 Housing c/w Bearing and Grease Fitting			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
13	DGA5315	R.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-Bolt			5/8" x 2-1/2" N.C. Hex Bolt - 214 Series Bearing (If Sand Guards Are Used)	*
	DGA5317	L.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-Bolt	32		3/4" Lockwasher	*
	DGA5318	R.H. Bearing Hanger - 214 Series Bearing Uses 7/8" x 6" U-Bolt	33		3/4" N.C. Hex Nut	*
	DGA5319	L.H. Bearing Hanger - 214 Series Bearing Uses 7/8" x 6" U-Bolt	34		3/4" x 3-1/2" Hex Bolt	*
15	DGA66	6 Blade Gang Bolt - 52" Long			3/4" x 4-1/2" Hex Bolt - Used When Spring Hanger is Equipped With Spacer #DGS332	*
	DGA67	7 Blade Gang Bolt - 61-3/4" Long	35	DGS332	Shim - Used With Disc With 26" Cone Blade And Discs With 26" Standard Blades on 9" Spacing	*
	DGA68	8 Blade Gang Bolt - 71" Long	36	DGA37	Sand Guard, R.H. For 211 Series Bearing (California Only)	*
	DGA69	9 Blade Gang Bolt - 80" Long		DGA38	Sand Guard, L.H. For 211 Series Bearing (California Only)	*
	DGA70	10 Blade Gang Bolt - 89-1/2" Long		DGA39	Sand Guard, R.H. For 214 Series Bearing (California Only)	*
	DGA71	11 Blade Gang Bolt - 98-3/4" Long		DGA40	Sand Guard, L.H. For 214 Series Bearing (California Only)	*
	DGA72	12 Blade Gang Bolt - 108" Long	37	DG236	211 Gang Bearing Shield	*
	DGA73	13 Blade Gang Bolt - 117-1/2" Long		DG237	214 Gang Bearing Shield	*
	DGA74	14 Blade Gang Bolt - 126-1/2" Long	38	DGA5370	5" O.D. Weld-On Washer	*
	DGA79	9 Blade Gang Bolt - 92" Long				
	DGA80	10 Blade Gang Bolt - 103" Long				
	DGA81	11 Blade Gang Bolt - 113-3/4" Long				
	DGA82	12 Blade Gang Bolt - 124-3/4" Long				
	DGA83	13 Blade Gang Bolt - 135-1/2" Long				
	DGA84	14 Blade Gang Bolt - 146-1/2" Long				
	DGA115	6 Blade Gang Bolt - 67-3/4" Long				
	DGA69	7 Blade Gang Bolt - 80" Long				
	DGA79	8 Blade Gang Bolt - 92" Long				
	DGA118	9 Blade Gang Bolt - 104-3/4" Long				
	DGA119	10 Blade Gang Bolt - 117" Long				
	DGA120	11 Blade Gang Bolt - 129" Long				
	DGA121	12 Blade Gang Bolt - 141-3/4" Long				
	DGA122	13 Blade Gang Bolt - 153-3/4" Long				
	DGA123	14 Blade Gang Bolt - 166-1/4" Long				

* As Required

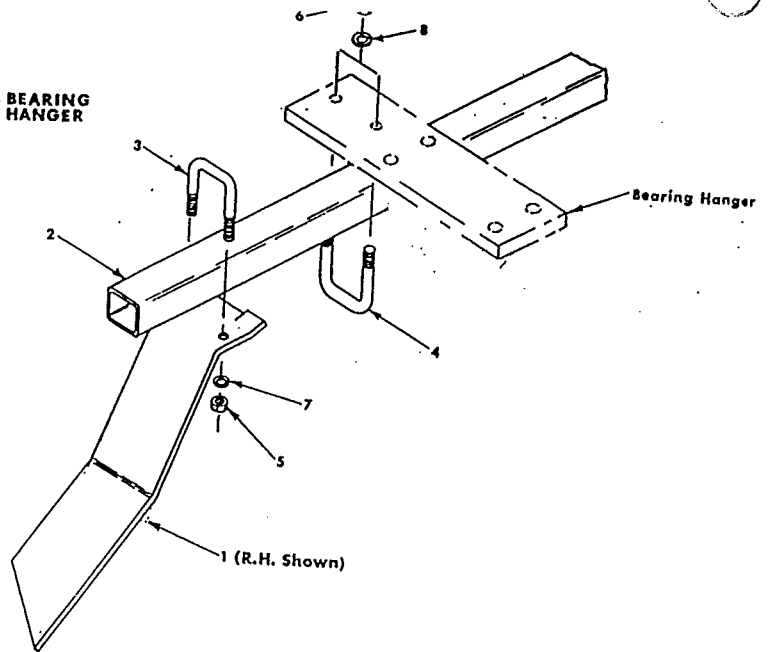
** 6" Diameter

*** NOTE: DISCS SHIPPED AFTER JULY 15, 1988. SHIM IS NO LONGER REQUIRED FOR MODELS WITH 10-1/2" AND 12" SPACING REGARDLESS OF WHATEVER BLADE.

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC



SCRAPER ASSEMBLY - MODEL 1490 DISC



SCRAPER ASSEMBLY - MODEL 1500 DISC

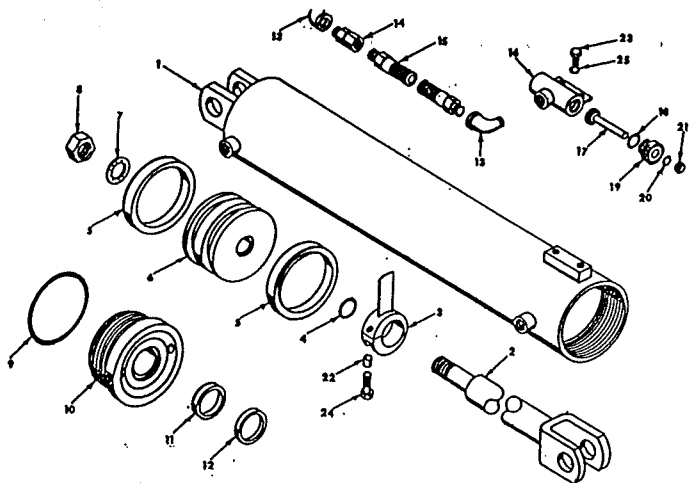
Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper - Used With 5/8" x 6" Hanger	*
	DG6084	R.H. Scraper - Used With 5/8" x 6" Hanger	*
2		<u>SCRAPER BAR FOR 8" SPACING DISC</u>	
	DS49	6 Blade Scraper Bar - 49" Long	*
	DS57	7 Blade Scraper Bar - 57-1/2" Long	*
	DS65	8 Blade Scraper Bar - 65-1/2" Long	*
	DS73	9 Blade Scraper Bar - 73-1/2" Long	*
	DS82	10 Blade Scraper Bar - 82" Long	*
	DS90	11 Blade Scraper Bar - 90" Long	*
	DS99	12 Blade Scraper Bar - 99" Long	*
	DS107	13 Blade Scrape Bar - 107" Long	*
	DS115	14 Blade Scraper Bar - 115-1/2" Long	*
	DS123	15 Blade Scraper Bar - 123-1/2" Long	*
		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS55	6 Blade Scraper Bar - 55" Long	*
	DS64	7 Blade Scraper Bar - 64" Long	*
	DS73	8 Blade Scraper Bar - 73-1/2" Long	*
	DS82	9 Blade Scraper Bar - 82" Long	*
	DS92	10 Blade Scraper Bar - 92" Long	*
	DS101	11 Blade Scraper Bar - 101-1/2" Long	*
	DS110	12 Blade Scraper Bar - 110" Long	*
	DS120	13 Blade Scrape Bar - 120" Long	*
	DS129	14 Blade Scraper Bar - 129-1/2" Long	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" x N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

* As Required

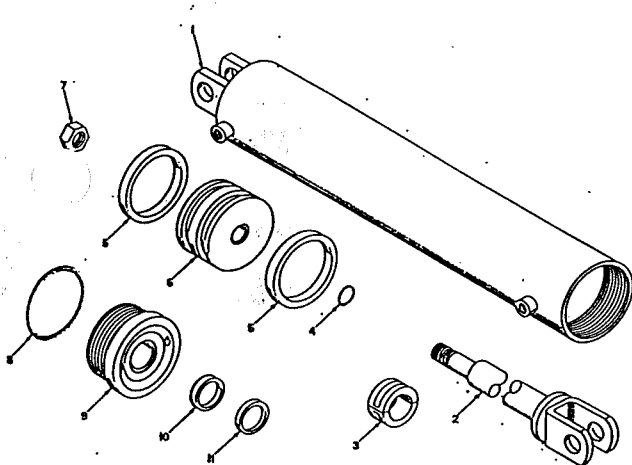
Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	L.H. Scraper	*
	DG5301	R.H. Scraper	*
	DG5304	L.H. Scraper (For Cone Blades Only)	*
	DG5305	R.H. Scraper (For Cone Blades Only)	*
2		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS55	6 Blade Scraper Bar - 55" Long	*
	DS64	7 Blade Scraper Bar - 64" Long	*
	DS73	8 Blade Scraper Bar - 73-1/2" Long	*
	DS82	9 Blade Scraper Bar - 82" Long	*
	DS92	10 Blade Scraper Bar - 92" Long	*
	DS101	11 Blade Scraper Bar - 101-1/2" Long	*
	DS110	12 Blade Scraper Bar - 110" Long	*
	DS120	13 Blade Scrape Bar - 120" Long	*
	DS129	14 Blade Scraper Bar - 129-1/2" Long	*
		<u>SCRAPER BAR FOR 10-1/2" SPACING DISC</u>	
	DS94	9 Blade Scraper Bar - 94-1/2" Long	*
	DS105	10 Blade Scraper Bar - 105" Long	*
	DS115	11 Blade Scraper Bar - 115-1/2" Long	*
	DS127	12 Blade Scraper Bar - 127-1/2" Long	*
	DS138	13 Blade Scraper Bar - 138" Long	*
	DS149	14 Blade Scraper Bar - 149" Long	*
		<u>SCRAPER BAR FOR 12" SPACING DISC</u>	
	DS70	6 Blade Scraper Bar - 70" Long	*
	DS82	7 Blade Scraper Bar - 82" Long	*
	DS94	8 Blade Scraper Bar - 94-1/2" Long	*
	DS107	9 Blade Scraper Bar - 107" Long	*
	DS119	10 Blade Scraper Bar - 120" Long	*
	DS131	11 Blade Scraper Bar - 132" Long	*
	DS144	12 Blade Scraper Bar - 144" Long	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC

ROCKSHAFT CYLINDER N4-NUT TYPE (HYDRAULIC DEPTH CONTROL)



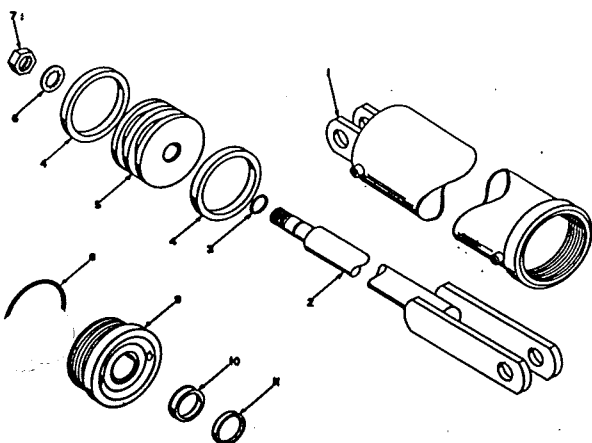
Ref. No.	Part No.	Description	Qty. Req'd
1	40TUS	Tube Assembly - 4" x 24"	1
2	10SH34	Shaft - 1-3/4" x 24" (Can Order Shaft #10SH26 and Pin From Model 2590-2600 Disc)	1
3	DCA6	Depth Control Stop c/w Spacer (Ref. No. 22) and Bolt (Ref. No. 24)	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
5	40CU3	U-Cup - 3-1/2" x 4" x 3/8"	2
6	40PB5	Piston - 4" O.D. x 2-1/2" Long	1
7	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR17	3/16" x 4" O.D. O-Ring	1
10	40HP4	Head Plate - 4" O.D. x 1-3/4" I.D.	1
11	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
12	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1
13	DL5271	1/2" x 90 Degree Street Elbow	2
14	DC27	1/2" Male-Female Swivel	1
15	H25-1	1/2" x 25" Hose	1
16	DCA7	Depth Control Assembly c/w Piston, Plug, Two O-Rings and Wiper Seal	1
17	DC28	Piston - For Depth Control Stop	1
18	DC29	1-1/16" O.D. x 7/8" I.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" x 5/8" x 3/16"	1
22	DC33	Spacer - 3/8" I.D. x 11/16" Long	1
23	-	1/2" x 7/8" N.C. Hex Bolt	2
24	-	3/8" x 1-3/4" N.C. Hex Bolt	1
25	-	1/2" Lockwasher	2



ROCKSHAFT CYLINDER N4 -TYPE (MECHANICAL DEPTH STOP)

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU9	Tube Assembly - 4" x 24"	*
2	10SH46	Shaft - 1-3/4" x 24"	*
3	CR50711	Depth Control Stop Ring - 1" Long	*
	CR50712	Depth Control Stop Ring - 1-1/2" Long	*
	CR50713	Depth Control Stop Ring - 1-3/4" Long	*
	CR50714	Depth Control Stop Ring - 2" Long	*
	CR50715	Depth Control Stop Ring - 2-1/4" Long	*
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	*
5	40CU3	3-1/2" x 4" x 3/8" U-Cup	*
6	40PB5	4" O.D. x 2-1/2" Long Piston	*
7	10NU4	1" Lock Nut	*
8	10OR17	3/16" x 4" O.D. O-Ring	*
9	40HP4	4" O.D. x 1-1/2" I.D. Head Plate	*
10	10RS3	1-3/4" x 2-1/8" x 3/8" Rod Seal	*
11	10WS3	1-3/4" x 2-1/8" x 3/16" Wiper Seal	*

* As Required



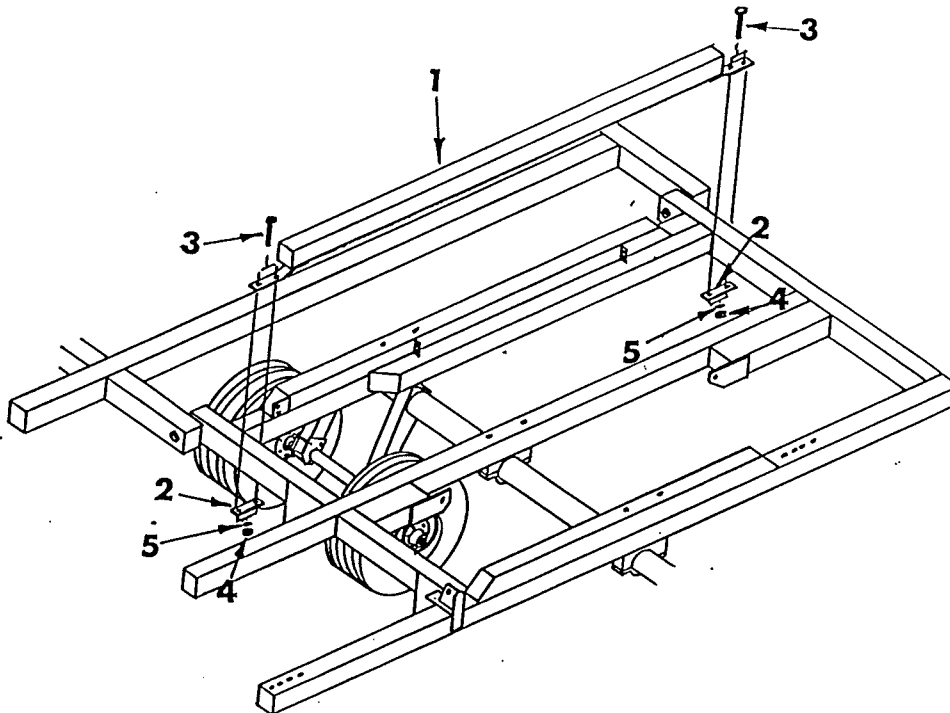
WING LIFT CYLINDER N4 -TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU4	Tube Assembly - 5" x 36"	1
2	10SH28	Shaft 1-3/4" x 36" (With 1" Stub)	1
3	10SH36	Shaft 1-3/4" x 36" (With 1-1/4" Stub)	1
	10OR13	1/8" x 1-1/4" O.D. O-Ring (Use With Shaft #10SH28 ONLY)	1
	10OR19	1/16" x 1-1/4" O.D. O-Ring (Use With Shaft #10SH36 ONLY)	1
4	50CU1	U-Cup - 4-1/2" x 5" x 9/16"	2
5	50PB1	Piston - 5" O.D. x 2-1/2" Long (With 1" I.D.)	1
	50PB2	Piston - 5" O.D. x 2-1/2" Long (With 1" I.D.)	1
6	10SW2	Internal Star Washer 1" I.D. (For Shaft #10SH28 ONLY)	1
7	10NU2	1" - 14 UNS Hex Nut	1
	10NU3	1-1/4" - 12 UNF Hex Lock Nut	1
8	10OR14	1/4" x 5" O.D. O-Ring	1
9	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
10	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
11	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1

MODEL 1490-1500 DOUBLE OFFSET TANDEM DISC

CYLINDER SEAL KITS

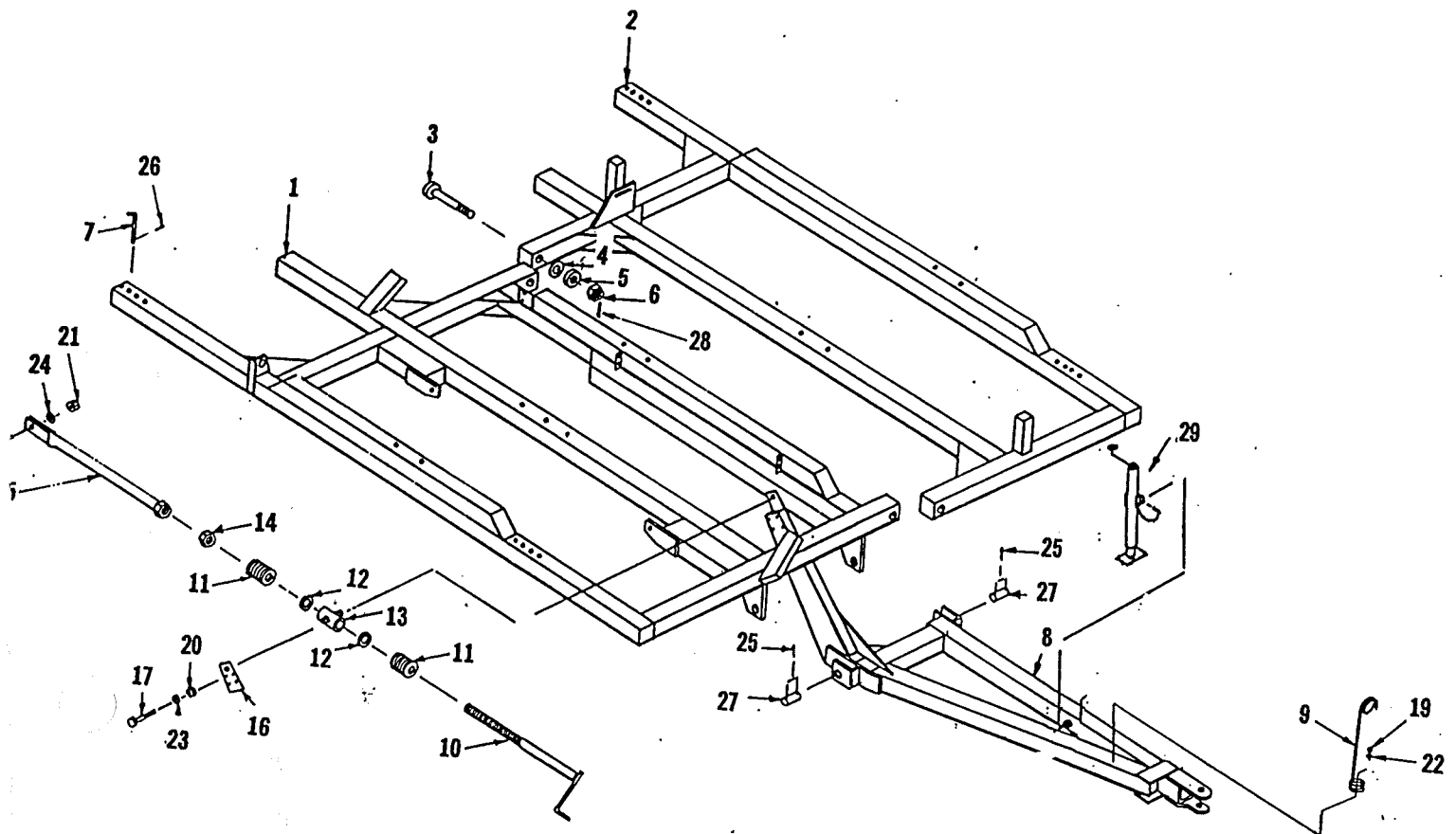
Kit No.	Contents		Application
4017N4	2 40CU3 1 100R13 1 100R17 1 10RS3 1 10WS3	3-1/2" x 4" x 3/8" U-Cup 1/8" x 1-1/4" O.D. O-Ring 3/16" x 4" O.D. O-Ring Rod Seal - 1-3/4" x 2-1/8" x 3/8" Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	4" x 24" Rockshaft Cylinder
5017N4	2 50CU1 1 100R13 1 100R14 1 10RS3 1 10WS3	5/8" Wide U-Cup 1/8" x 1-1/4" O.D. O-Ring 1/4" x 5" O.D. O-Ring Rod Seal - 1-3/4" x 2-1/8" x 3/8" Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	5" x 36" Wing Lift Cylinder
DCB4	1 DC29 1 DC20 1 DC32	1-1/6" O.D. x 7/8" I.D. O-Ring 1/16" x 1/2" O.D. O-Ring Wiper Seal - 3/8" x 5/8" x 3/16"	Rockshaft Cylinder Depth Control Valve
IF PISTON IS REQUIRED, ORDER PART NO. DC 28			



BALLAST BAR

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA8642	Ballast Bar	1
2	DG8645	Backing Plate	2
3		5/8" x 6-1/2" N.C. Hex Bolt	4
4		5/8" N.C. Hex Nut	4
5		5/8" Lockwasher	4

MODEL 1495-1550 DISC

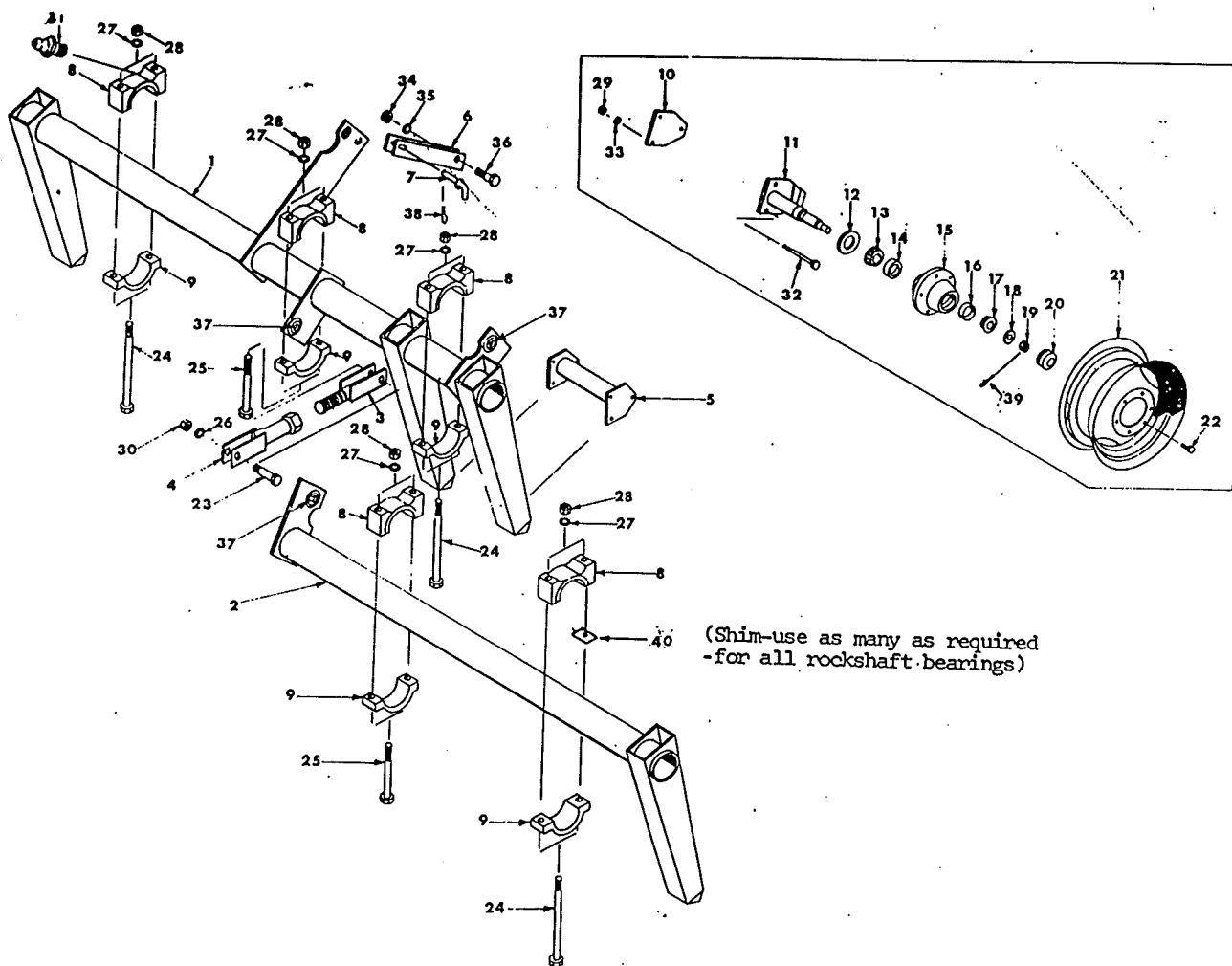


FRAME, HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB8500	Main Frame c/w 2 Hinge Bolts c/w Washers and Nuts (Ref. #3-4-5-6), 2 Gang Pins (Ref. #7)	1
2	DWB8537	Wing Frame c/w 2 Gang Pins (Ref. #7)	2
3	DFA5042	Hinge Bolt- 12-1/2" Overall Length	1
4	DF5020	Rear Hinge Bolt Shim	2
5	DH3	Washer - 4" O.D. x 2" I.D.	2
6	DC82	2" N.C. Slotted Nut	4
7	DF37	Gang Beam Retainer Pin	1
8	DHB8554	Hitch c/w Pins and Crank Lug (Includes Ref. 16,27,33,39, and 41)	1
	DHA5161	Hose Support	1
	DCA3	Crank - 33" Long	2
11	DCS187	Compression Spring - Levelling Crank - 5" Long	2
12	DC15	Thrust Bearing - Timken #T199	1
13	DCAS184	Bearing Tube - Levelling Crank	1
14	DH5	2" N.C. Heavy Hex. Nut - Drilled for Set Screw	1

Ref. No.	Part No.	Description	Qty. Req'd
15	DCA8577	Levelling Link - 29" Pipe Length	1
16	DH5146	Levelling Arm Lug	1
17		1/2" x 5" N.C. Hex. Bolt	4
18	DR5215	1-1/4" x 4-3/4" Hex. Bolt (Special)	1
19		5/8" N.C. Hex. Nut	1
20		1/2" N.C. Hex. Nut	4
21		1-1/4" N.C. Hex. Nut	1
22		5/8" Lockwasher	1
23		1/2" Lockwasher	4
24		1-1/4" Lockwasher	1
25		5/16" x 1-3/4" Cotter Pin	5
26		3/16" x 1-1/4" Cotter Pin	4
27	DH8562	1-1/4" x 4-1/2" Hitch Pin	2
28		3/8" x 3" Cotter Pin	1
29	DHB5170	Hitch Jack	1

MODEL 1495-1550 DISC



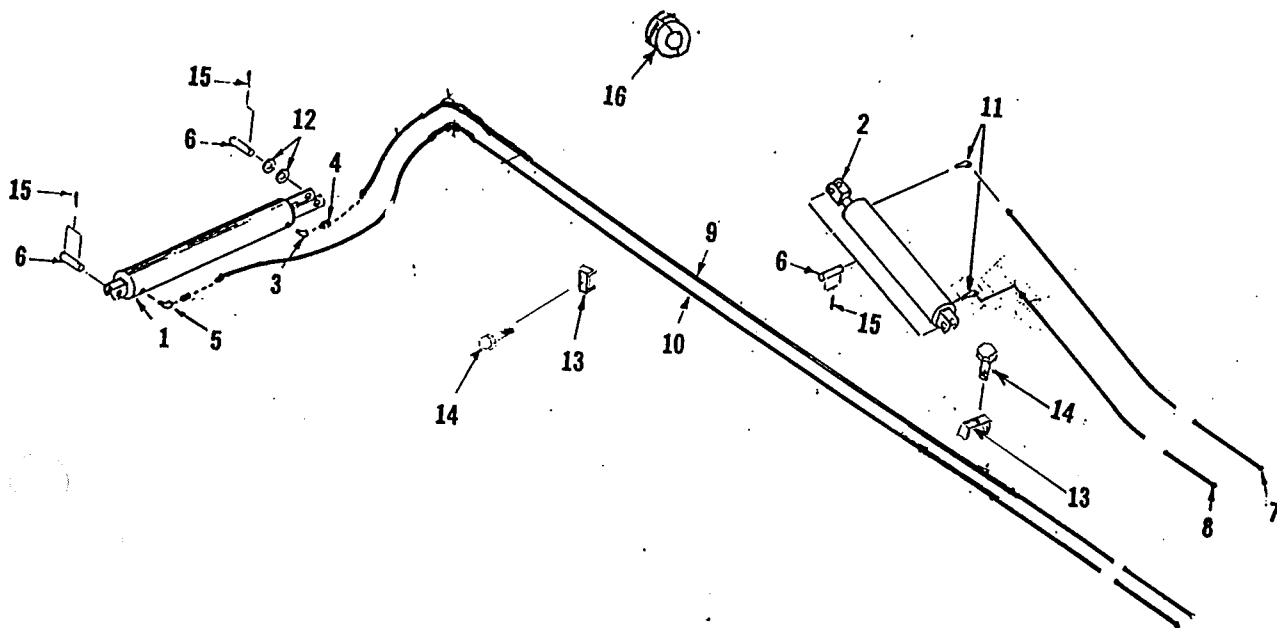
ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA8579	Main Frame Rockshaft	1
2	DRA8591	Wing Frame Rockshaft	1
3	DRA5213	Rockshaft Link - Male Half	1
4	DRA5210	Rockshaft Link - Female Half	1
5	DRA8604	Wheel Leg Spacer	1
6	DRA5245	Lock-up Strap	1
7	DRA5248	Lock-up Pin	1
8	DR8601-T	Rockshaft Bearing - Top	5
9	DR8601-B	Rockshaft Bearing - Bottom	5
10	DR76	Axle Backing Plate	5
11	DRA8	Axle Assembly	*
12	DR122	Grease Seal - NOK #AF 7879C	*
13	DR120	Inner Cone Bearing #25580	*
14	DR118	Inner Cup #25520	*
15	DRA9	Hub - c/w Cups	*
16	DR92	Outer Cup - #LM48548	*
17	DR91	Outer Cone Bearing #LM48548	*
18		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
19	DR110	1" N.F. Hex. Slotted Nut	*
20	DR123	Hub Cap	*

Ref. No.	Part No.	Description	Qty. Req'd
21	DR127	Wheel Rim - 15" x 8" - 6 Hole Rim (9.5 L x 15 Tire or 11 L x 15 Tire)	*
22	DR125	9/16" x 1-1/8" N.C. Wheel Studs	*
23	DR5215	1-1/4" x 4-3/4" N.C. Hex Bolt (Special)	2
24		3/4" x 14" N.C. Hex. Bolt	6
25		3/4" x 10" N.C. Hex. Bolt	4
26		1-1/4" Lockwasher	2
27		3/4" Lockwasher	10
28		3/4" N.C. Hex. Nut	10
29		5/8" N.C. Hex. Nut	20
30		1-1/4" Hex. Nut	2
31	10GN1	1/4" - 28 Grease Fitting	5
32		5/8" x 6" N.C. Hex. Nut	12
33		5/8" Lockwasher	12
34		1" N.C. Hex. Nut	1
35		1" Lockwasher	1
36		1" x 3" N.C. Hex. Bolt	1
37	DR5227	1-1/4" Ball Joint (Weld-On)	1
38	DW5	Hair Pin Cotter	1
39		3/16" x 1-1/4" Cotter Pin	1
40	CR50692	2" x 2-7/8" Rockshaft Bearing Shim	*

* As Required

MODEL 1495-1550 DISC

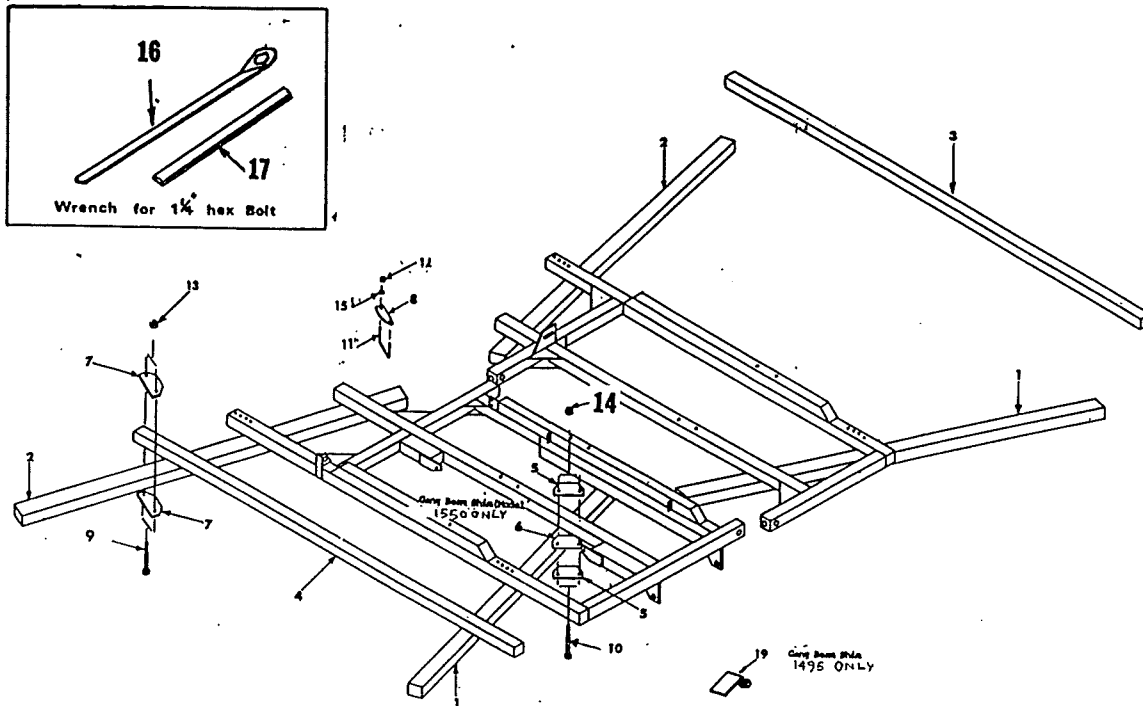


HYDRAULIC SYSTEM (For Models With Serial No. Over 21814)

Ref. No.	Part No.	Description	Qty. Req'd
1	214, 242	5' x 36' Wing Lift Cylinder	1
2	241	4' x 24' Rockshaft Cylinder	1
3		3/8" x 90 Degree Street Elbow (Steel)	1
4		3/8" Male-Female Swivel Adaptor c/w 1/16" Orifice	1
5		3/8" x 90 Degree Swivel Street Elbow	1
6	DR5252	Cylinder Pin - 1-1/4" dia. x 4-3/4" long	6
7	H198-1	1/2" x 198" Hose	1
8	H172-1	1/2" x 172" Hose	1
9	318	3/8" x 3/8" Hose (One 3/8" End, One 1/2" End)	1
10	H279-1-3	3/8" x 279" Hose (One 5/8" End, One 1/2" End)	1

Ref. No.	Part No.	Description	Qty. Req'd
11	DL5271	1/2" x 90 Degree Street Elbow	2
12	DF5068	Spacer Washer - 1-9/32" I.D. x 2" O.D.	2
13		Clamp - 2 Hose	2
14		1/2" x 1" Hex. Bolt	2
15		5/16" x 1-3/4" Cotter Pin	8
16	CR50711	Depth Control Collar - 1" Long	1
	CR50712	Depth Control Collar - 1-1/2" Long	1
	CR50713	Depth Control Collar - 1-3/4" Long	1
	CR50717	Depth Control Collar - 4-1/4" Long	1
		8-1/2" Depth Control Package - all of the above stop collars	

MODEL 1495-1500 DISC

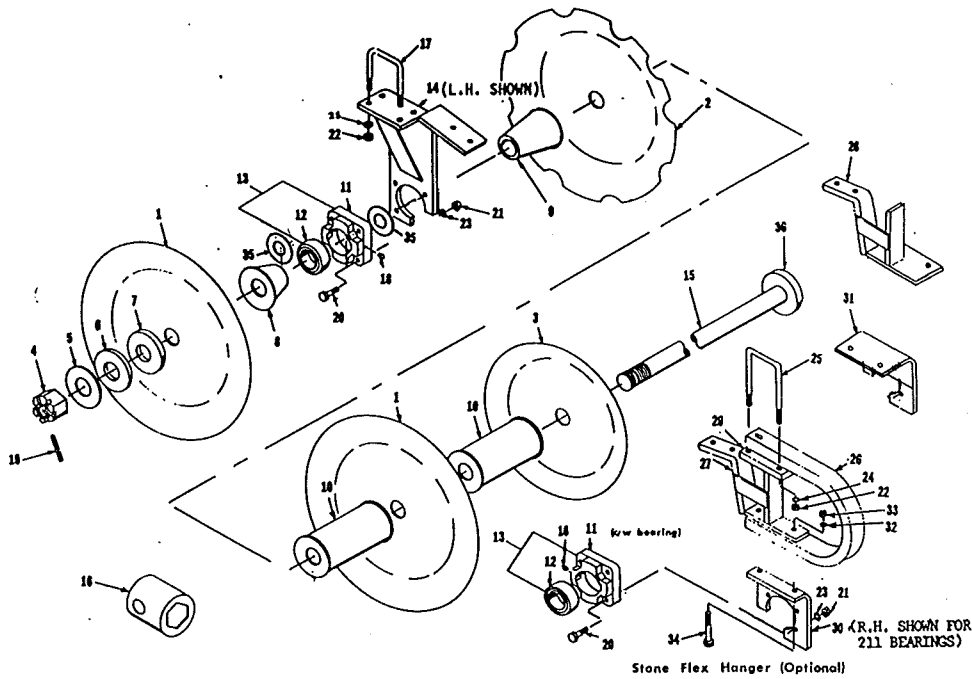


GANG BEAMS AND STABILIZER BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		<u>FRONT GANG BEAMS FOR 8" SPACING MODEL 1495 DISC ONLY</u>			DBS4-126	126" GANG BEAM (4" x 4") - 54 Blade Disc	2
	DBS4-84	84" GANG BEAM (4" x 4") - 46 Blade Disc	2		DBS4-132	132" GANG BEAM (4" x 4") - 58 Blade Disc	2
	DBS4-90	90" GANG BEAM (4" x 4") - 50 Blade Disc	2		DBS4-144	144" GANG BEAM (4" x 4") - 62 Blade Disc	2
	DBS4-102	102" GANG BEAM (4" x 4") - 54 Blade Disc	2	2	DBS96	96" GANG BEAM (6" x 4") - 42 Blade Disc	2
	DBS4-108	108" GANG BEAM (4" x 4") - 58 Blade Disc	2		DBS102	102" GANG BEAM (6" x 4") - 46 Blade Disc	2
	DBS4-120	120" GANG BEAM (4" x 4") - 62 Blade Disc	2		DBS114	114" GANG BEAM (6" x 4") - 50 Blade Disc	2
	DBS4-126*	126" GANG BEAM (4" x 4") - 66 Blade Disc	2		DBS126	126" GANG BEAM (6" x 4") - 54 Blade Disc	2
	DBS4-132	132" GANG BEAM (4" x 4") - 70 Blade Disc	2		DBS132	132" GANG BEAM (6" x 4") - 58 Blade Disc	2
		<u>FRONT GANG BEAM FOR 9" SPACING MODEL 1495 DISC ONLY</u>			DBS144	144" GANG BEAM (4" x 4") - 62 Blade Disc	2
	DBS4-84	84" GANG BEAM (6" x 4") - 42 Blade Disc	2		DBS96	96" GANG BEAM (6" x 4") - 38 Blade Disc	2
	DBS4-96	96" GANG BEAM (6" x 4") - 46 Blade Disc	2		DBS108	108" GANG BEAM (6" x 4") - 42 Blade Disc	2
	DBS4-102	102" GANG BEAM (6" x 4") - 50 Blade Disc	2		DBS120	120" GANG BEAM (6" x 4") - 46 Blade Disc	2
	DBS4-114	114" GANG BEAM (6" x 4") - 54 Blade Disc	2		DBS132	132" GANG BEAM (6" x 4") - 50 Blade Disc	2
	DBS4-126*	126" GANG BEAM (6" x 4") - 58 Blade Disc	2		DBS144	144" GANG BEAM (4" x 4") - 54 Blade Disc	2
	DBS4-132	132" GANG BEAM (6" x 4") - 62 Blade Disc	2			<u>FRONT GANG BEAM FOR 10-1/2" SPACING MODEL 1550 DISC ONLY</u>	
		<u>FRONT GANG BEAM FOR 9" SPACING MODEL 1550 DISC ONLY</u>			DBS102	102" GANG BEAM (6" x 4") - 34 Blade Disc	2
	DBS84	84" GANG BEAM (6" x 4") - 42 Blade Disc	2		DBS114	114" GANG BEAM (6" x 4") - 38 Blade Disc	2
	DBS96	96" GANG BEAM (6" x 4") - 46 Blade Disc	2		DBS126	126" GANG BEAM (6" x 4") - 42 Blade Disc	2
	DBS102	102" GANG BEAM (6" x 4") - 50 Blade Disc	2		DBS138	138" GANG BEAM (6" x 4") - 46 Blade Disc	2
	DBS114	114" GANG BEAM (6" x 4") - 54 Blade Disc	2		DBS150	150" GANG BEAM (6" x 4") - 50 Blade Disc	2
	DBS126*	126" GANG BEAM (6" x 4") - 58 Blade Disc	2	3	DBS45-200	200" Stabilizer Beam (4" x 4") - Used on Larger Models Only	2
	DBS132	132" GANG BEAM (6" x 4") - 62 Blade Disc	2	4	DBS45-182	182" Stabilizer Beam (4" x 4") - Used on Larger Models Only	2
		<u>FRONT GANG BEAM FOR 10-1/2" SPACING MODEL 1550 DISC ONLY</u>		5	DG8621	Gang Beam Clamp Plate - 9-1/2" Long (Model 1495 Only)	16
2	DBS90	90" GANG BEAM (6" x 4") - 38 Blade Disc	2		DG167	Gang Beam Clamp Plate - 10-3/4" Long (Model 1550 Only)	16
	DBS96	96" GANG BEAM (6" x 4") - 42 Blade Disc	2	6	DG163	Front Gang Beam Shim (Model 1550 Only) Used to prevent Front Gangs from riding (Not Supplied As Standard Equipment)	*
	DBS108	108" GANG BEAM (6" x 4") - 46 Blade Disc	2	7	DG161	Clamp Plate - (Model 1550 Only) 10-1/2" Long	8
	DBS120*	120" GANG BEAM (6" x 4") - 50 Blade Disc	2		DG8621	Clamp Plate - (Model 1495 Only) 9-1/2" Long	8
	DBS132	132" GANG BEAM (6" x 4") - 54 Blade Disc	2	8	DG8622	Thrust Block - 6-1/4" Long (Model 1495 Only)	4
		<u>FRONT GANG BEAM FOR 12" SPACING MODEL 1550 DISC ONLY</u>			DG5360	Thrust Block - 8-1/2" Long (Model 1550 Only)	4
	DBS90	90" GANG BEAM (6" x 4") - 34 Blade Disc	2	9		1" x 12" N.C. Hex. Bolt (Stabilizer Beams 1550 Disc Only)	8
	DBS102	102" GANG BEAM (6" x 4") - 38 Blade Disc	2			1-1/4" x 11-1/2" N.C. Hex. Bolt (Stabilizer Beams 1495 Disc Only)	8
	DBS114	114" GANG BEAM (6" x 4") - 42 Blade Disc	2	10		1-1/4" x 11-1/2" N.C. Hex. Bolt	16
	DBS126*	126" GANG BEAM (6" x 4") - 46 Blade Disc	2	11	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long (Model 1495 Only)	4
	DBS138	138" GANG BEAM (6" x 4") - 50 Blade Disc	2		DG5314	7/8" x 6" U-Bolt - 6-1/4" Long (Model 1550 Only)	4
		<u>REAR GANG BEAMS FOR 8" SPACING MODEL 1495 DISC ONLY</u>		12		5/8" N.C. Hex. Nut (Model 1495 Only)	8
	DBS4-90	90" GANG BEAM (4" x 4") - 46 Blade Disc	2			7/8" N.C. Hex. Nut (Model 1550 Only)	8
	DBS4-102	102" GANG BEAM (4" x 4") - 50 Blade Disc	2	13		1" N.C. Hex. Nut - (Stabilizer Beams Model 1550 Only)	8
	DBS4-108	108" GANG BEAM (4" x 4") - 54 Blade Disc	2	14		1-1/4" N.C. Hex. Nut (All Models)	16
	DBS4-120	120" GANG BEAM (4" x 4") - 58 Blade Disc	2	15		5/8" Lockwasher (Model 1495 Only)	4
	DBS4-126	126" GANG BEAM (4" x 4") - 62 Blade Disc	2			7/8" Lockwasher (Model 1550 Only)	4
	DBS4-132	126" GANG BEAM (4" x 4") - 66 Blade Disc	2	16	DGA5348	Wrench for 1-1/4" Hex. Bolts (All Models)	4
	DBS4-144	132" GANG BEAM (4" x 4") - 70 Blade Disc	2	17	DGA8634	Front Gang Beam Shim (Model 1490 Only) Used to prevent Front Gangs from riding (Not Supplied as Standard Equipment)	4
		<u>REAR GANG BEAM FOR 9" SPACING MODEL 1495 DISC ONLY</u>					
	DBS4-96	96" GANG BEAM (4" x 4") - 42 Blade Disc	2				
	DBS4-102	102" GANG BEAM (4" x 4") - 46 Blade Disc	2				
	DBS4-114	114" GANG BEAM (4" x 4") - 50 Blade Disc	2				

*If disc is equipped with stabilizer beams. Order front gang beam 6" longer than length listed. This applies only to models with asterisk beside gang beam number.

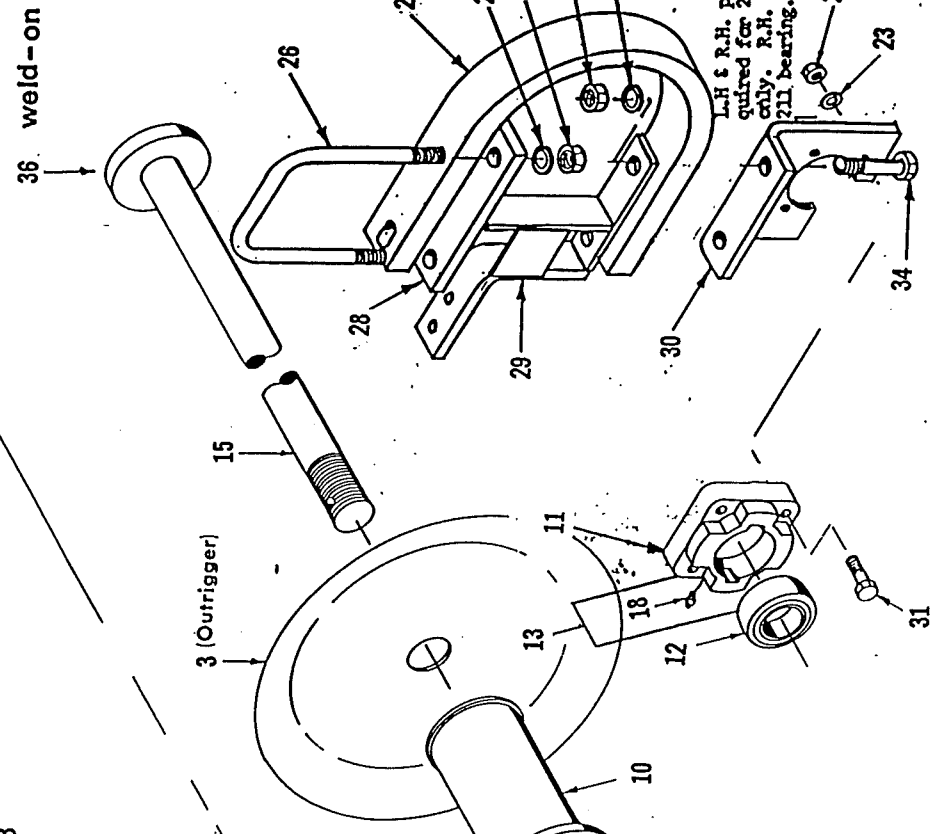
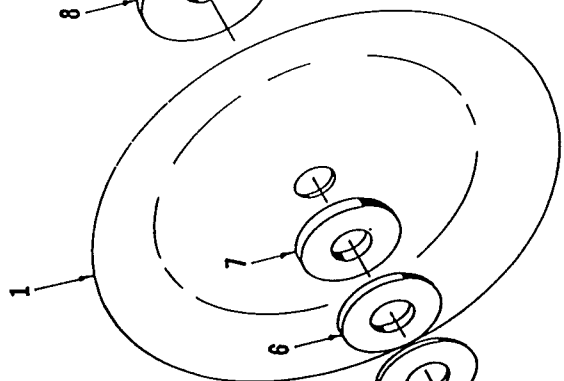
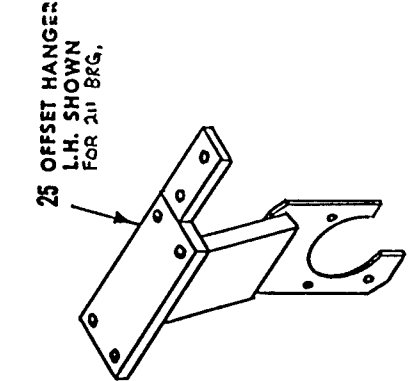
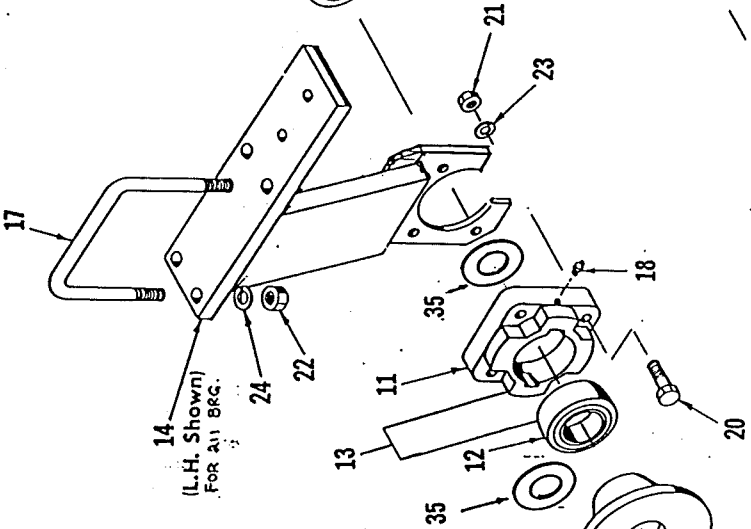
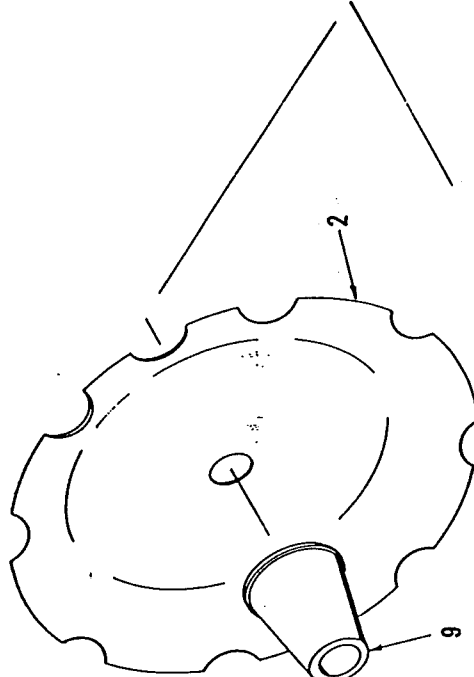
MODEL 1495-1550 DISC



DISC GANG ASSEMBLY - 1495 ONLY

	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG64	22" x 6mm (.236") Plain Disc Blade	*		DGA66	Gang Bolt for 9" Spacing	*
	DG60	22" x 7mm (.275") Plain Disc Blade	*		DGA67	6 Blade Gang Bolt - 50-3/4" Long	*
	DG68	24" x 6mm (.236") Plain Disc Blade	*		DGA68	7 Blade Gang Bolt - 60-1/2" Long	*
	DG76	24" x 7mm (.275") Plain Disc Blade	*		DGA69	8 Blade Gang Bolt - 69-3/4" Long	*
	DG137	24" x 8mm (.516") Plain Disc Blade	*		DGA70	9 Blade Gang Bolt - 78-3/4" Long	*
2	DG61	22" x 7mm (.275") Notched Disc Blade	*		DGA71	10 Blade Gang Bolt - 88-1/4" Long	*
	DG138	24" x 8mm (.516") Notched Disc Blade	*		DGA72	11 Blade Gang Bolt - 97-1/2" Long	*
3	DG84	16" x 4mm (.157") Plain Outrigger Blade	*		DGA73	12 Blade Gang Bolt - 106-3/4" Long	*
	DG133	18" x 5mm (.197") Plain Outrigger Blade	*		DGA74	13 Blade Gang Bolt - 115-3/4" Long	*
	DG134	20" x 5mm (.197") Plain Outrigger Blade	*		DGA75	14 Blade Gang Bolt - 125" Long	*
4	DG82	2" N.C. Heavy Hex. Slotted Nut	*	16	DGA35	Socket Wrench	1
5	DG89	1/4" Shim Washer	*	17	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	*
6	DG88	1/2" Shim Washer	*	18	10GN1	1/4" - 28 Grease Fitting	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*	19	DG10	7/16 x 3" Lock Pin	*
8	DGA108	8" Spacing Short Half Spool - 2-3/8" Long	*	20		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long w/5" Washer	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
9	DGA102	8" and 9" Spacing Long Half Spool - 4-7/16" Long	*	21		1/2" N.C. Hex Nut - For 211 Series Bearing	*
10	DGA113	8" Spacing Full Spool (8" Long)	*			5/8" N.C. Hex Nut - For 214 Series Bearing	*
	DGA98	9" Spacing Full Spool with 5" End Washers (9" Long)	*	22		5/8" N.C. Hex Nut	*
11		211 Series Bearing Housing Only	*	23		1/2" Lockwasher - For 211 Series Bearing	*
		214 Series Bearing Housing Only	*			5/8" Lockwasher - For 214 Series Bearing	*
12	DG95	211 Series Greaseable Bearing	*	24		5/8" Lockwasher	*
	DG38	214 Series Greaseable Bearing	*	25	DG10290	3/4" x 4" U-Bolt - 7" Long	*
13	DGB5334	211 Housing c/w Bearing and Grease Fitting	*	26	DG8150	1-1/4" x 2" Spring Shank	*
	DGB5335	214 Housing c/w Bearing and Grease Fitting	*	27	DGA8612	Scraper Bar Support Bracket (Stone Flex Hanger)	*
14	DGA6089	Front L.H., Rear R.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*	28	DGA5336	Scraper Bar Support Bracket - 2" Offset (Stone Flex Hanger) Front R.H. and Rear L.H.	*
	DGA6090	Front R.H., Rear L.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*		DGA5337	Scraper Bar Support Bracket - 2" Offset (Stone Flex Hanger) Front L.H. and Rear R.H.	*
	DGA10280	Front L.H., Rear R.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*	29	DGA10295	Backing Plate For 3/4" U-Bolt - (Stone Flex Hanger)	*
	DGA10281	Front R.H., Rear L.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*	30	DGS342	Bracket L.H. Mounting For 211 Series - Stone Flex Hanger	*
15		Gang Bolt for 8" Spacing	*		DGS343	R.H. Mounting Bracket For 211 - Stone Flex Hanger	*
	DGA86	6 Blade Gang Bolt - 46" Long	*		DGS324	Mounting Bracket For 214 - Stone Flex Hanger	*
	DGA87	7 Blade Gang Bolt - 54-1/2" Long	*	31	DGA5344	2" Offset Mounting Bkt For 211 Series Bkt (Stone Flex Hanger) Front R.H. and Rear L.H.	*
	DGA88	8 Blade Gang Bolt - 62-3/4" Long	*		DFA5345	2" Offset Mounting Bkt For 211 Series Bkt (Stone Flex Hanger) Front L.H. and Rear R.H.	*
	DGA89	9 Blade Gang Bolt - 71" Long	*		DFA5341	2-1/2" Offset Mounting Bkt For 214 Series Bkt	*
	DGA90	10 Blade Gang Bolt - 79-1/2" Long	*	32		3/4" Lockwasher	*
	DGA70	11 Blade Gang Bolt - 88-1/4" Long	*	33		3/4" N.C. Hex Nut	*
	DGA92	12 Blade Gang Bolt - 96" Long	*	34		3/4" x 3-1/2" Hex Bolt	*
	DGA93	13 Blade Gang Bolt - 104-1/4" Long	*	35	DG236	211 Gang Bearing Shield	*
	DGA94	14 Blade Gang Bolt - 112-1/2" Long	*		DG237	214 Gang Bearing Shield	*
	DGA95	15 Blade Gang Bolt - 121" Long	*	36	DGA5370	5" O.D. x 2" I.D. Washer (Weld-On)	*

* As Required



L.H. & R.H. parts required for 211 bearing only. R.H. shown for 211 bearing.

Disc Gang Asser
MODEL 1550

Optional Spring Hanger

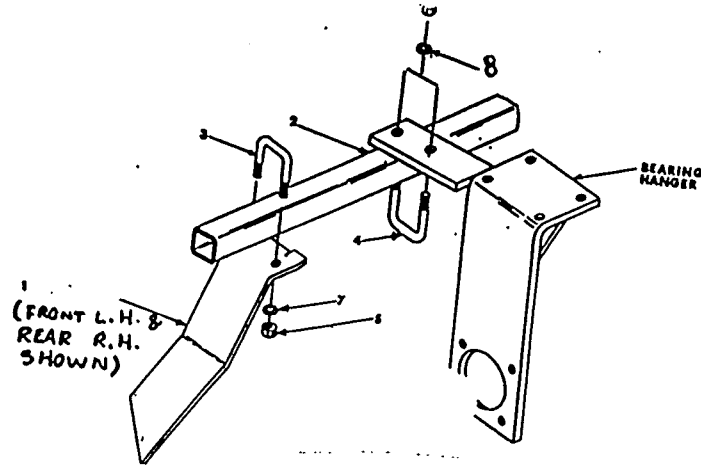
MODEL 1550 DISC

DISC GANG ASSEMBLY - 1550 ONLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG60	22" x 7mm (.275) Plain Disc Blade	*		DGA83	13 Blade Gang Bolt - 135-1/2" Long	*
	DG76	24" x 7mm (.275) Plain Disc Blade	*		DGA84	14 Blade Gang Bolt - 146-1/2" Long	*
	DG137	24" x 8mm (.5/16") Plain Disc Blade	*	15		GANG BOLT FOR 12" SPACING - (Includes Washer #DGA5370)	*
	DG74	26" x 8mm (.5/16") Plain Disc Blade	*		DGA115	6 Blade Gang Bolt - 67-3/4" Long	*
	DG157	26" x 8mm (.5/16") Cone Disc Blade - Solid	*		DGA69	7 Blade Gang Bolt - 80" Long	*
2	DG61	22" x 7mm (.275) Notched Disc Blade	*		DGA79	8 Blade Gang Bolt - 92" Long	*
	DG138	24" x 8mm (.275) Notched Disc Blade	*		DGA118	9 Blade Gang Bolt - 104-3/4" Long	*
	DG75	26" x 8mm (.5/16") Notched Disc Blade	*		DGA119	10 Blade Gang Bolt - 117" Long	*
	DG158	26" x 8mm (.5/16") Cone Disc Blade - Solid	*		DGA120	11 Blade Gang Bolt - 129" Long	*
3	DG133	18" x 5mm (.197) Plain Outrigger Blade	*		DGA121	12 Blade Gang Bolt - 141-3/4" Long	*
	DG134	20" x 5mm (.197) Plain Outrigger Blade	*		DGA122	13 Blade Gang Bolt - 153-3/4" Long	*
	DG64	22" x 6mm (.236) Plain Outrigger Blade	*		DGA123	14 Blade Gang Bolt - 166-1/4" Long	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*	16	DGA35	Socket Wrench	*
5	DG89	1/4" Shim Washer	*	17	DG5314	U-Bolt 7/8" x 7" C.C. x 6-3/8" Long - Use On Std. Hangers	*
6	DG88	1/2" Shim Washer	*	18	10GN1	1/4 - 28 Grease Fitting	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*	19		7/16 x 3" Lock Pin	*
8	DGA106**	9" & 10-1/2" Spacing Short Half Spool For 211 & 214 Bearings - 3-1/4" Long (Convex Side) With 6" Washer	*	20		1/2" x 2" N.C. Hex Bolt - 211 Series Bearing	*
	DGA110**	12" Spacing Short Half Spool For 211 & 214 Bearings - 4-3/4" Long (Convex Side) With 5" Washer	*	21		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
9	DGA102	9" Spacing Long Half Spool For 211 Bearings - 4-7/16" Long (Concave Side)	*			1/2" N.C. Hex Nut - For 211 Series Bearing	*
	DGA103	9" Spacing Long Half Spool For 214 Bearings - 4-3/16" Long (Concave Side)	*	22		5/8" N.C. Hex Nut - For 214 Series Bearing	*
	DGA104	10-1/2" Spacing Long Half Spool For 211 Bearings - 5-15/16" Long (Concave Side)	*	23		7/8" N.C. Hex Nut	*
	DGA105	10-1/2" and 12" Spacing Long Half Spool For 214 Bearings - 5-11/16" Long (Concave Side)	*			1/2" Lockwasher - For 211 Series Bearing	*
10	DGA100	9" Spacing Spool - 6" Dia. One End	*	24		5/8" Lockwasher - For 214 Series Bearing	*
	DGA101	10-1/2" Spacing Spool - 6" Dia. Both Ends	*	25	DGA5320	7/8" Lockwasher	*
	DGA111	12" Spacing Spool - 6" Dia. One Both Ends	*			Front R.H. and Rear L.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt) 2" Offset	*
11		211 Series Bearing Housing Only	*		DGA5321	Front L.H. and Rear R.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt) 2" Offset	*
12	DG95	214 Series Bearing Housing Only	*		DGA5322	Front R.H. and Rear L.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt) 2" Offset	*
	DG38	211 Series Greaseable Bearing	*		DGA5323	Front L.H. and Rear R.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt) 2" Offset	*
	DGB5334	214 Series Greaseable Bearing	*	26	DG5325	7/8" U-Bolt x 7" C.C. x 7-5/8" Long (Stone Flex Hanger)	*
13	DGB5335	211 Housing c/w Bearing and Grease Fitting	*	27	DG5313	Spring Shank 1-1/4" x 2-1/2" (Stone Flex Hanger)	*
	DGA5315	214 Housing c/w Bearing and Grease Fitting	*	28	DGA5328	Backing Plate (Stone Flex Hanger)	*
14		Front L.H. and Rear R.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*	29	DGA5333	Scraper Bar Support Bracket - For Std. Stone Flex Hanger (Shown) and 1-1/2" Offset Bkts For Discs with 26" Cone Blades on 10-1/2" and 12" Spacing	*
	DGA5317	Front R.H. and Rear L.H. Straight Bearing Hanger - 211 Series Bearing Uses 5/8" x 4" U-Bolts	*		DGA5336	Scraper Bar Support Bracket - For 2" Offset (Stone Flex Hanger) Front L.H. and Rear R.H. Gang	*
	DGA5318	Front L.H. and Rear R.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*		DGA5337	Scraper Bar Support Bracket - For 2" Offset (Stone Flex Hanger) Front R.H. and Rear L.H. Gang	*
	DGA5319	Front R.H. and Rear L.H. Straight Bearing Hanger - 214 Series Bearing Uses 5/8" x 4" U-Bolts	*	30	DG5342	Bracket L.H. Mounting for 211 Series - Standard Stone Flex Hanger	*
15		GANG BOLT FOR 9" SPACING - (Includes Washer #DGA5370)	*		DG5343	Bracket R.H. Mounting for 211 Series - Standard Stone Flex Hanger	*
	DGA66	6 Blade Gang Bolt - 52" Long	*		DG5374	Bracket L.H. Mounting for 211 Series - 1-1/2" Offset Stone Flex Hanger	*
	DGA67	7 Blade Gang Bolt - 61-3/4" Long	*		DG5375	Bracket R.H. Mounting for 211 Series - 1-1/2" Offset Stone Flex Hanger	*
	DGA68	8 Blade Gang Bolt - 71" Long	*		DGA5344	Bracket L.H. Mounting for 211 Series - 2" Offset Stone Flex Hanger	*
	DGA69	9 Blade Gang Bolt - 80" Long	*		DGA5345	Bracket R.H. Mounting for 211 Series - 2" Offset Stone Flex Hanger	*
	DGA70	10 Blade Gang Bolt - 89-1/2" Long	*		DGA5324	Mounting Bracket for 214 Series - Standard Stone Flex Hanger	*
	DGA71	11 Blade Gang Bolt - 98-3/4" Long	*		DGA5376	Mounting Bracket for 214 - 1-1/2" Offset Stone Flex Hanger	*
	DGA72	12 Blade Gang Bolt - 108" Long	*		DGA5341	Mounting Bracket for 214 - 2" Offset Stone Flex Hanger	*
	DGA73	13 Blade Gang Bolt - 117-1/2" Long	*	31		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
	DGA74	14 Blade Gang Bolt - 126-1/2" Long	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
		GANG BOLT FOR 10-1/2" SPACING - (Includes Washer #DGA5370)	*	32		3/4" Lockwasher	*
	DGA79	9 Blade Gang Bolt - 92" Long	*	33		3/4" N.C. Hex Nut	*
	DGA80	10 Blade Gang Bolt - 103" Long	*	34		3/4" x 3-1/2" N.C. Hex Bolt	*
	DGA81	11 Blade Gang Bolt - 113-3/4" Long	*	35		211 Gang Bearing Shield	*
	DGA82	12 Blade Gang Bolt - 124-3/4" Long	*	36		214 Gang Bearing Shield	*
						5" O.D. x 2" I.D. Weld-On Washer - Supplied with gang bolt it is not welded to gang bolt.	*

* As Required
** 6" Diameter

MODEL 1495-1550 DISC

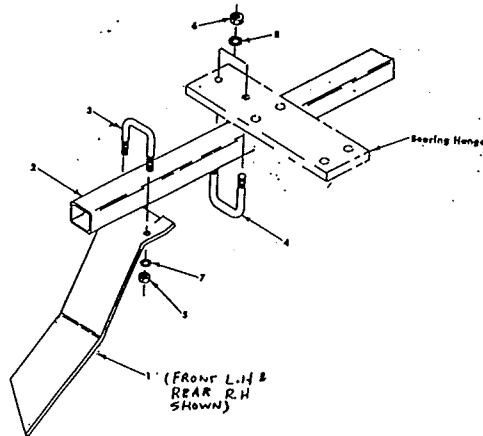


SCRAPER ASSEMBLY - MODEL 1495 ONLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	Scraper (Front L.H. & Rear R.H.) - Used With 5/8" x 6" Hanger	*
2	DG6084	Scraper (Front R.H. & Rear L.H.) - Used With 5/8" x 6" Hanger	*
		<u>SCRAPER BARS FOR 8" SPACING</u>	
	DS49	6 Blade Scraper Bar - 49"	*
	DS57	7 Blade Scraper Bar - 57-1/2"	*
	DS65	8 Blade Scraper Bar - 65-1/2"	*
	DS73	9 Blade Scraper Bar - 73-1/2"	*
	DS82	10 Blade Scraper Bar - 82"	*
	DS90	11 Blade Scraper Bar - 90"	*
	DS99	12 Blade Scraper Bar - 99"	*
	DS107	13 Blade Scraper Bar - 107"	*
	DS115	14 Blade Scraper Bar - 115-1/2"	*
	DS123	15 Blade Scraper Bar - 123"	*
		<u>SCRAPER BAR FOR 9" SPACING DISC</u>	
	DS55	6 Blade Scraper Bar - 55"	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
	DS64	7 Blade Scraper Bar - 64"	*
	DS73	8 Blade Scraper Bar - 73-1/2"	*
	DS82	9 Blade Scraper Bar - 82"	*
	DS92	10 Blade Scraper Bar - 92"	*
	DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS110	12 Blade Scraper Bar - 110"	*
	DS120	13 Blade Scraper Bar - 120"	*
	DS129	14 Blade Scraper Bar - 129-1/2"	*
3	DG5308	1/2" x 2-9/16" c.c. x Long U-Bolt	*
4	DS5309	5/8" x 2-11/16" c.c. x Long U-Bolt	*
5		1/2" N.C. Hex. Nut	*
6		5/8" N.C. Hex. Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*



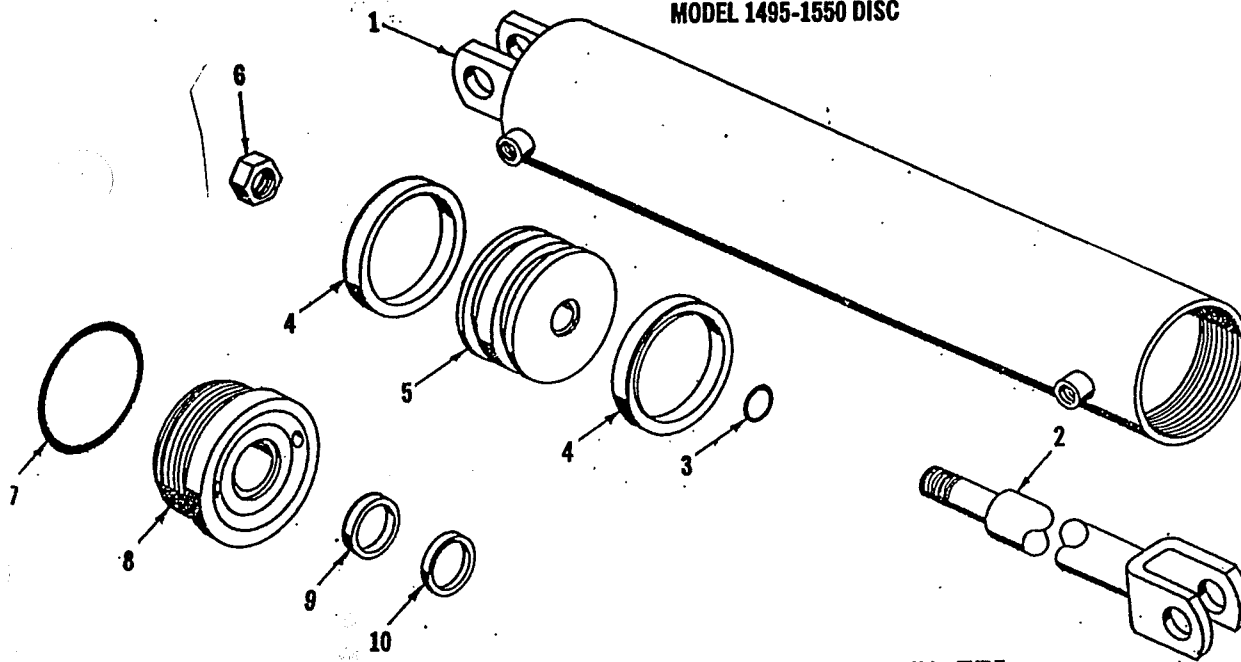
SCRAPER ASSEMBLY - MODEL 1550 ONLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	Scraper (Front L.H. & Rear R.H.)	*
	DG5301	Scraper (Front R.H. & Rear L.H.)	*
	DG5304	Scraper (Front L.H. & Rear R.H.) (For Cone Blades Only)	*
	DG5305	Scraper (Front R.H. & Rear L.H.) (For Cone Blades Only)	*
2		<u>SCRAPER BARS FOR 9" SPACING</u>	
	DS55	6 Blade Scraper Bar - 55"	*
	DS64	7 Blade Scraper Bar - 64"	*
	DS73	8 Blade Scraper Bar - 73-1/2"	*
	DS82	9 Blade Scraper Bar - 82"	*
	DS92	10 Blade Scraper Bar - 92"	*
	DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS110	12 Blade Scraper Bar - 110"	*
	DS120	13 Blade Scraper Bar - 120"	*
	DS129	14 Blade Scraper Bar - 129-1/2"	*
		<u>SCRAPER BAR FOR 10-1/2" SPACING DISC</u>	
	DS94	9 Blade Scraper Bar - 94-1/2"	*
	DS105	10 Blade Scraper Bar - 105"	*
	DS115	11 Blade Scraper Bar - 115-1/2"	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
	DS127	12 Blade Scraper Bar - 127-1/2"	*
	DS138	13 Blade Scraper Bar - 138"	*
	DS149	14 Blade Scraper Bar - 149"	*
		<u>SCRAPER BAR FOR 12" SPACING DISC</u>	
	DS70	6 Blade Scraper Bar - 70"	*
	DS82	7 Blade Scraper Bar - 82"	*
	DS94	8 Blade Scraper Bar - 94-1/2"	*
	DS107	9 Blade Scraper Bar - 107"	*
	DS119	10 Blade Scraper Bar - 120"	*
	DS131	11 Blade Scraper Bar - 132"	*
	DS144	12 Blade Scraper Bar - 144"	*
3	DG5308	1/2" x 2-9/16" c.c. x Long U-Bolt	*
4	DS5309	5/8" x 2-11/16" c.c. x Long U-Bolt	*
5		1/2" N.C. Hex. Nut	*
6		5/8" N.C. Hex. Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

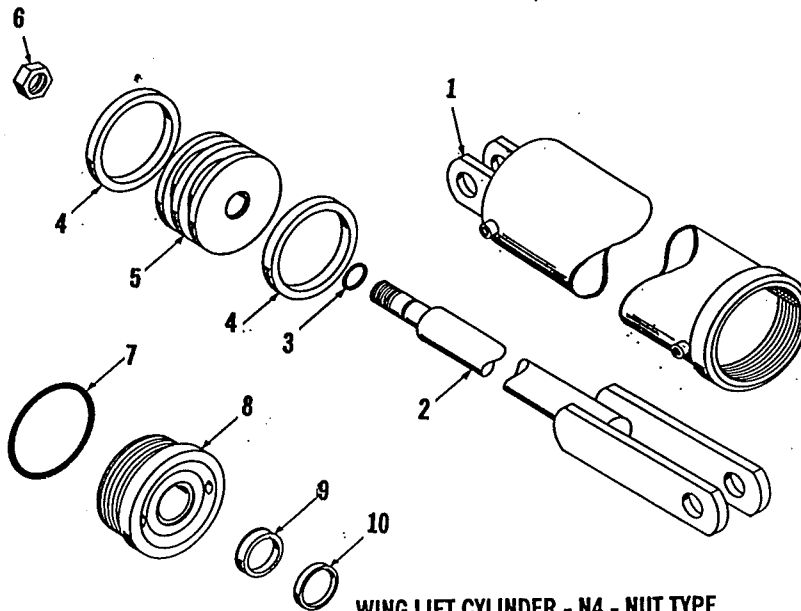
MODEL 1495-1550 DISC



ROCKSHAFT CYLINDER PART LIST - N4 - TYPE

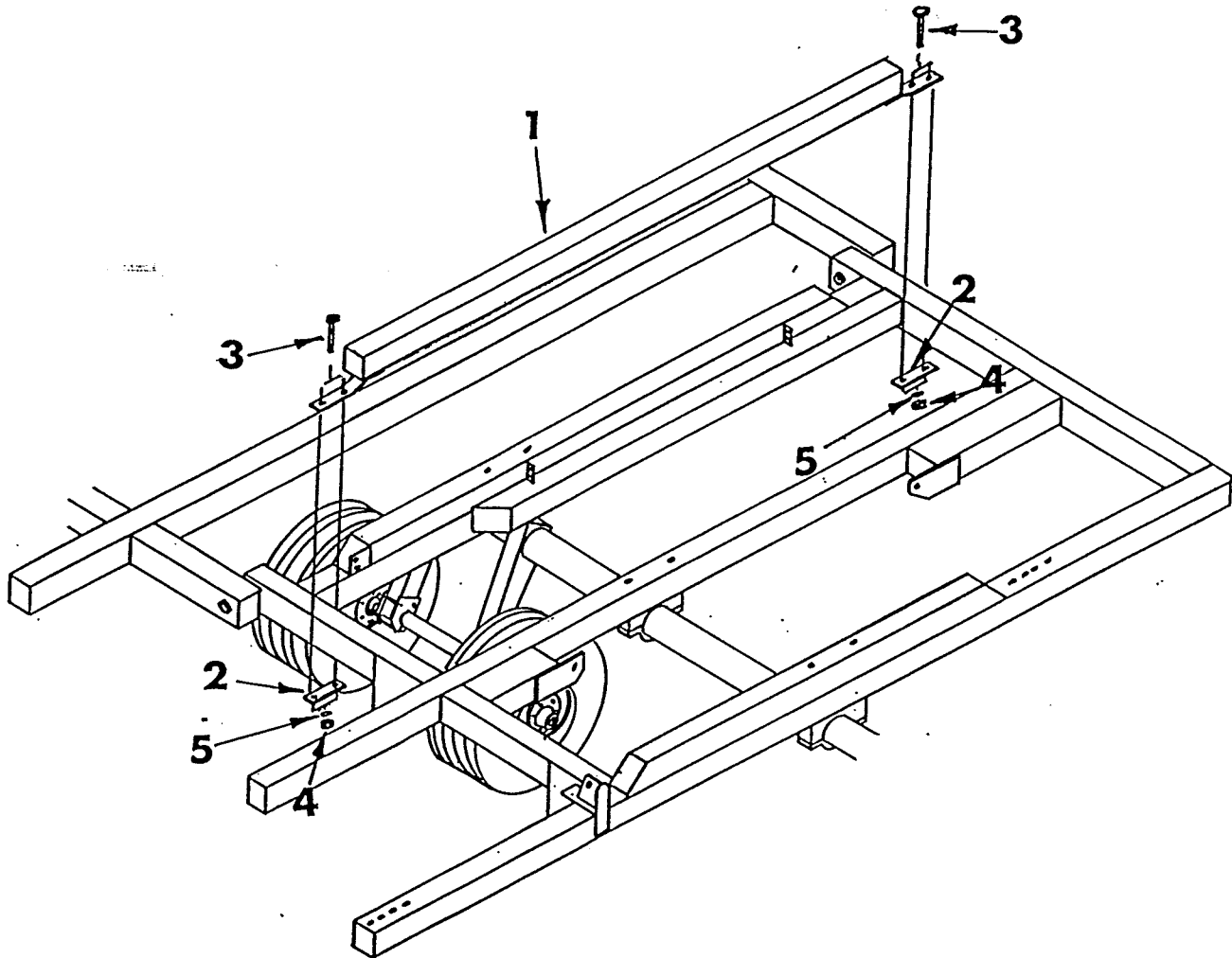
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	40TU9	Tube Assembly - 4" x 24"	1
2	10SH46	Shaft - 1-3/4" x 24"	1
3	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
4	40CU3	3-1/2" x 4" x 3/8" U-Cup	2
5	40PB5	4" O.D. x 2-1/2" Long Piston	1
6	10NU4	1" Lock Nut	1
7	10OR17	3/16" x 4" O.D. O-Ring	1
8	40HP4	4" O.D. x 1-1/2" L.D. Head Plate	1
9	10RS3	1-3/4" x 2-1/8" x 3/8" Rod Seal	1
10	10WS3	1-3/4" x 2-1/8" x 3/16" Wiper Seal	1

* As Required



WING LIFT CYLINDER - N4 - NUT TYPE

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	50TU7	Tube Assembly - 5" x 36"	1
2	10SH28	Shaft - 1-3/4" x 36" (With 1" Stub)	1
	10SH36	Shaft - 1-3/4" x 36" (With 1-1/4" Stub)	1
3	10OR13	1/8" x 1-1/4" O.D. O-Ring (Use with Shaft #10SH28 Only)	1
	10OR19	1/16" x 1-1/4" O.D. O-Ring (Use with Shaft #10SH36 Only)	1
4	50CU1	U-Cup - 4-1/2" x 5" x 9/16"	2
5	50PB2	Piston - 5" O.D. x 2-1/2" Long (With 1-1/4" I.D.)	1
6	10NU3	1-1/4"- 12 UNF Hex Lock Nut	1
7	10OR14	1/4" x 5" O-Ring	1
8	50HP1	Head Plate - 5" O.D. x 1-3/4" L.D.	1
9	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
10	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1



BALLAST BAR

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DFA8642	Ballast Bar	1
2	DF8645	Backing Plate	2
3		5/8" x 6-1/2" N.C. Hex. Bolt	4
4		5/8" N.C. Hex. Nut	4
5		5/8" Lockwashers	4

MODEL 1490-1550 DISC**CYLINDER SEAL KITS**

KIT NO		CONTENTS	APPLICATION
4017N4	2 40CU3 1 100R13 1 100R17 1 10RS3 1 10WS3	3-1/2" x 4" x 3/8" U-Cup 1/8" x 1-1/4" O.D. O-Ring 3/16" x 4" O.D. O-Ring Rod Seal 1-3/4" x 2-1/8" x 3/8" Wiper Seal 1-3/4" x 2-1/8" x 3/16"	4" x 24" Rockshaft Cylinder
5017N4	2 50CU1 1 100R13 1 100R14 1 10RS3 1 10WS3	5/8" Wide U-Cup 1/8" x 1-1/4" O.D. O-Ring 1/4" x 5" O.D. O-Ring Rod Seal 1-3/4" x 2-1/8" x 3/8" Wiper Seal 1-3/4" x 2-1/8" x 3/16"	5" x 36" Wing Lift Cylinder



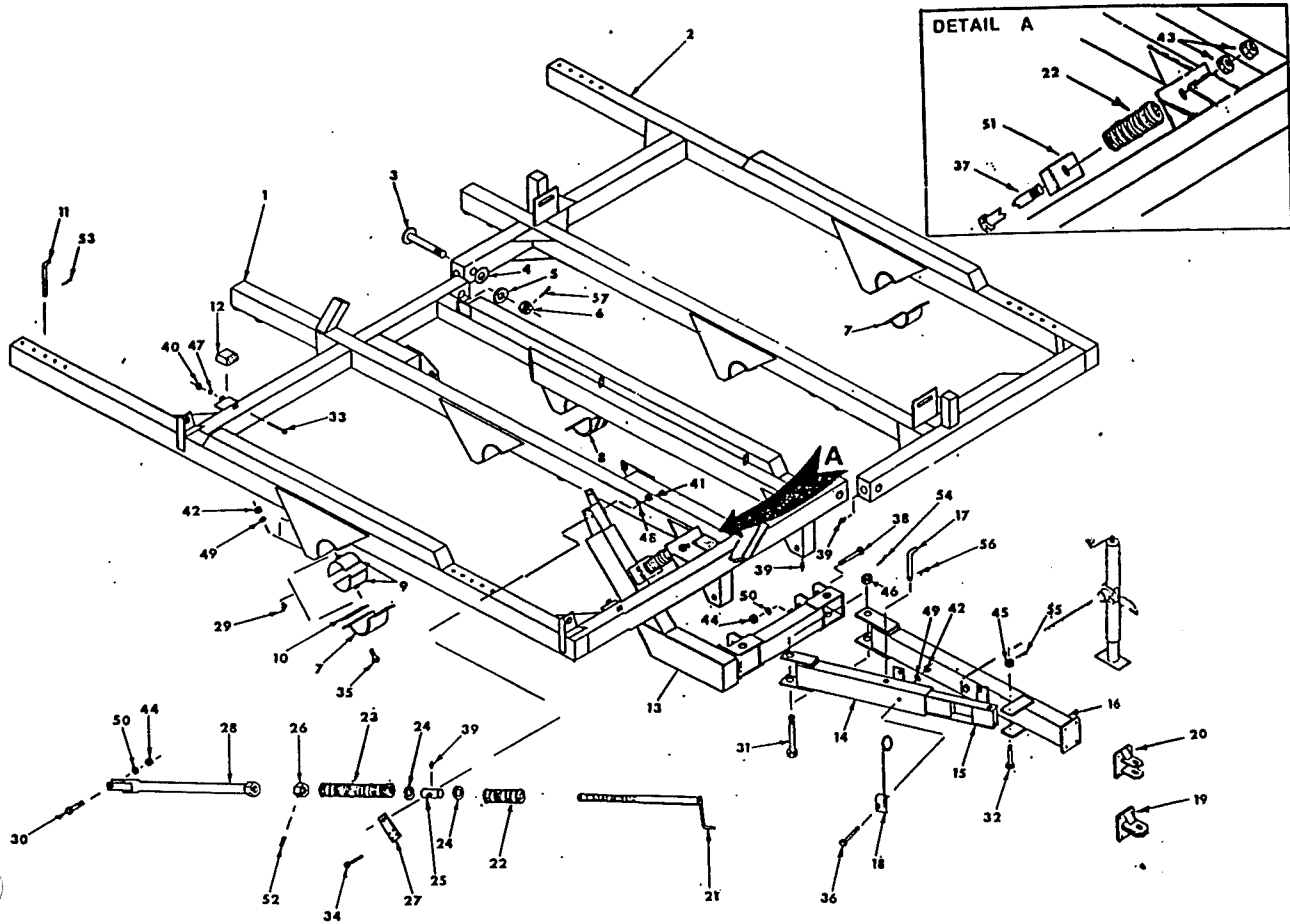
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MODEL 1590 DISC

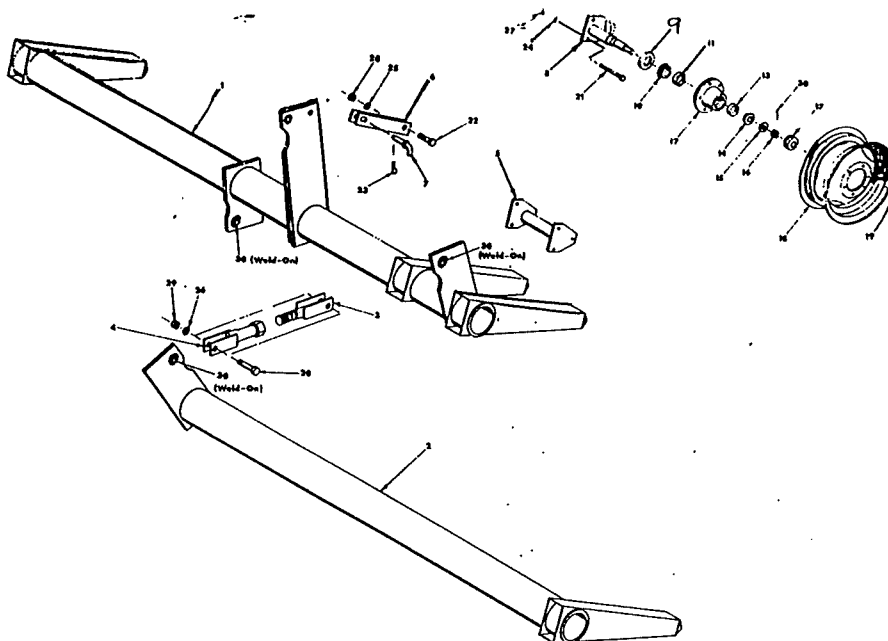


FRAME, HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFB8000	Main Frame c/w Three Rockshaft Bearing Caps, Two Hinge Bolts and Two Gang Pins	1	28	DRS260	1/4" - 28, 45 Degree Grease Fitting	10
2	DFB8061	Wing Frame c/w Two Rockshaft Bearing Caps, and Two Gang Pins	1	29	DRS215	1-1/4" x 4-1/4" Hex Nut (Special)	1
3	DFB8125	Hinge Bolt	2	30	DH5164	1-1/2" x 11" Hex Bolt - Drilled For Cotter Pin	1
4	DF5020	Rear Hinge Bolt Shim	1	31	DH5167	1-1/4" x 9" Hex Bolt - Drilled For Cotter Pin	1
5	DH3	Washer	2	32		3/8" x 5" N.C. Hex Bolt	2
6	DC82	2" N.C. Slotted Nut	2	33		1/2" x 5" N.C. Hex Bolt	4
7	DFA5041	Rockshaft Bearing Cap	4	34		3/4" x 2-1/2" N.C. Hex Bolt	10
8	DFA5080	Reinforced Rockshaft Bearing Cap	1	35		3/4" x 6" N.C. Hex Bolt	1
9	DRS259	Rockshaft Bearing Liner Half	10	36		1" x 9-1/2" N.C. Hex Bolt - For Discs With Serial Numbers Prior To 10150	2
10	DF5063	Rockshaft Bearing Cap Shim	30	37		1-1/4" x 9" N.C. Hex Bolt	2
11	DF37	Gang Beam Retainer Pin	4	38		1/4" - 28 Grease Fitting	6
12	DF5065	Wing Cylinder Support Block	2	39		3/8" N.C. Hex Nut	2
13	DH45138	Draw Bar	1	40		1/2" N.C. Hex Nut	4
14	DH45147	Hitch Brace - Female Half	1	41		3/4" N.C. Hex Nut	11
15	DH45150	Hitch Brace - Male Half	1	42		1" N.C. Hex Nut	2
16	DH45131	Tongue	1	43		1-1/4" N.C. Hex Nut	3
17	DH45156	Brace Pin	1	44	DG125	1-1/4" N.C. Hex Slotted Nut	1
18	DH45161	Hose Support	1	45	DH5165	1-1/2" N.C. Hex Slotted Nut	2
19	DH45158	Hitch - Bottom Half	1	46		3/8" Lockwasher	2
20	DCA3	Levelling Crank - 33" Long (Used Prior To Serial #10034)	1	47		1/2" Lockwasher	4
21	DCA9607	Levelling Crank - 43" Long (Used After Serial #10034)	1	48		3/4" Lockwasher	11
22	DCS187	Compression Spring - Levelling Crank - 5-1/2" Long (Used After Serial #10034)	2	49		1" Lockwasher	2
	DC9615	Compression Spring - Levelling Crank - 11" Long (Used Prior To Serial #10034)	2	50		1-1/4" Lockwasher	3
	DC15	Thrust Bearing - Timken #T199	2	51		1/2" x 1" N.C. Square Head Set Screw	1
	DCA5184	Bearing Tube - Levelling Crank	1	52		1/4" x 1-1/4" Cotter Pin	4
	DH5	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1	53		5/16" x 2-1/4" Cotter Pin	2
26	DH45146	Levelling Arm Lug	1	54		1/4" x 2" Cotter Pin	1
27	DCA8577	Levelling Link - 29" Long (Used Prior To Serial #10034)	1	55	DW25	Hair Pin Cotter	1
	DCA8097	Levelling Link - 23" Long (Used After To Serial #10034)	1	56	DH45170	Hitch Jack (Optional)	1
				57	DH45176	Clevis Hitch Assembly (Bolt-On) - For Discs With Serial #10150 and Up	*
				58	DH45179	Male Hitch Assembly (Bolt-On) - For Discs With Serial #10150 and Up	*
				59		1" x 2-1/2" N.C. Hex Bolt	4
				60	DH45172	Tongue - For Discs With Serial #10150 and Up	1

* As Required

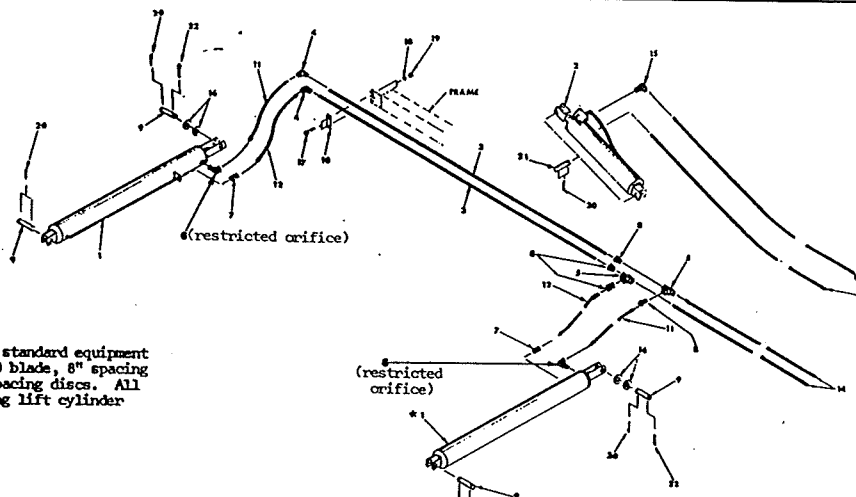
MODEL 1590 DISC



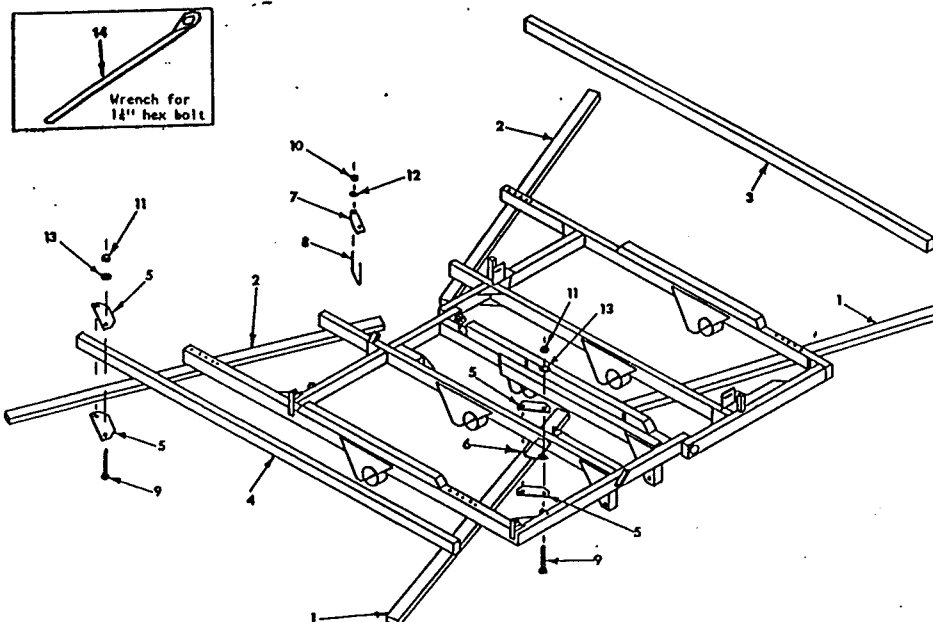
ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA8110	Main Frame Rockshaft	1
2	DRA8118	Wing Rockshaft	1
3	DRA5213	Rockshaft Link - Male Half	1
4	DRA5210	Rockshaft Link - Female Half	1
5	DRA8604	Wheel Leg Spacer - 11-3/4" Long (3 Bolt Axle Plate)	1
6	DRA5245	Lock-Up Strap	1
7	DRA5248	Lock-Up Pin	1
8	DRA8	Axle Assembly	6
9	DR122	Grease Seal NOK #AF7879E	6
10	DR120	Inner Cone Bearing #Z5580	6
11	DR118	Inner Cup #Z5520	6
12	DRA9	Hub c/w Cups	6
13	DR92	Outer Cup #LM48510	6
14	DR91	Outer Cone Bearing #LM48548	6
15		2" O.D x 1-1/16" I.D. x 1/8" Flatwasher	6
16	DR110	1" N.F. Hex Slotted Nut	6

Ref. No.	Part No.	Description	Qty. Req'd
17	DR123	Hub Cap	6
18	DR127	15" x 8" 6-Bolt Rim (Use 9.5L x 15 or 11L x 15 Tire)	6
		9.5L x 15 Tire Is Used on Models 23-1/2" and Under Only	
19	DR125	9/16" x 1-1/8" N.F. Wheel Stud	36
20	DR5215	1-1/4" x 4-1/4" N.C. Hex Bolt (Special)	2
21		5/8" x 6" N.C. Hex Bolt	20
22		1" x 3" N.C. Hex Bolt	1
23	DW25	Hair Pin Cotter	1
24		5/8" Lockwasher	20
25		1" Lockwasher	1
26		1-1/4" Lockwasher	2
27		5/8" N.C. Hex Nut	20
28		1" N.C. Hex Nut	1
29		1-1/4" N.C. Hex Nut	2
30	DR5227	1-1/4" Ball Joint (Weld-On)	3
31		3/16" x 1-1/4" Cotter Pin	6



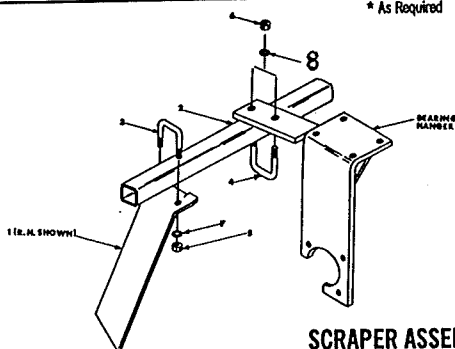
MODEL 1590 DISC



GANG BEAMS & STABILIZER BEAMS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DBS4-120	FRONT GANG BEAM FOR 8" SPACING DISC			DBS4-174	174" Gang Beam (4" x 4") - 86 Blade Disc	2
	DBS4-126	120" Gang Beam (4" x 4") - 62 Blade Disc	2		DBS4-186	186" Gang Beam (4" x 4") - 90 Blade Disc	2
	DBS4-132	126" Gang Beam (4" x 4") - 66 Blade Disc	2			REAR GANG BEAM FOR 9" SPACING DISC	
	DBS4-144	132" Gang Beam (4" x 4") - 70 Blade Disc	2		DBS4-132	132" Gang Beam (4" x 4") - 58 Blade Disc	2
	DBS4-150	144" Gang Beam (4" x 4") - 74 Blade Disc	2		DBS4-144	144" Gang Beam (4" x 4") - 62 Blade Disc	2
	DBS4-162	150" Gang Beam (4" x 4") - 78 Blade Disc	2		DBS4-150	150" Gang Beam (4" x 4") - 66 Blade Disc	2
	DBS4-168	162" Gang Beam (4" x 4") - 82 Blade Disc	2		DBS4-162	162" Gang Beam (4" x 4") - 70 Blade Disc	2
	DBS4-168	168" Gang Beam (4" x 4") - 86 Blade Disc	2		DBS4-168	168" Gang Beam (4" x 4") - 74 Blade Disc	2
	DBS4-174	174" Gang Beam (4" x 4") - 90 Blade Disc	2		DBS4-180	180" Gang Beam (4" x 4") - 78 Blade Disc	2
		FRONT GANG BEAM FOR 9" SPACING DISC			DBS4-186	186" Gang Beam (4" x 4") - 82 Blade Disc	2
	DBS4-126	126" Gang Beam (4" x 4") - 58 Blade Disc	2	3	DBS4-207	207" Stabilizer Beam (4" x 4") - Used on Larger Models	1
	DBS4-132	132" Gang Beam (4" x 4") - 62 Blade Disc	2	4	DBS4-195	195" Stabilizer Beam (4" x 4") - Used on Larger Models	1
	DBS4-144	144" Gang Beam (4" x 4") - 66 Blade Disc	2	5	DG8621	Gang Beam Clamp Plate - 9-1/2" Long	*
	DBS4-150	150" Gang Beam (4" x 4") - 70 Blade Disc	2	6	DGA8634	Front Gang Beam Shim - Used to Prevent Front Gang Form Ridding (Not Supplied As Standard Equipment)	*
2	DBS4-162	162" Gang Beam (4" x 4") - 74 Blade Disc	2	7	DG8622	Thrust Block - 6-1/4" Long	4
	DBS4-168	168" Gang Beam (4" x 4") - 78 Blade Disc	2	8	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	4
	DBS4-180	180" Gang Beam (4" x 4") - 82 Blade Disc	2	9		1-1/4" x 11-1/2" N.C. Hex Bolt	*
		REAR GANG BEAM FOR 8" SPACING DISC		10		5/8" N.C. Hex Nut	8
	DBS4-126	126" Gang Beam (4" x 4") - 62 Blade Disc	2	11		1-1/4" N.C. Hex Nut	*
	DBS4-132	132" Gang Beam (4" x 4") - 66 Blade Disc	2	12		5/8" Lockwasher	8
	DBS4-144	144" Gang Beam (4" x 4") - 70 Blade Disc	2	13		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Flatwasher	*
	DBS4-150	150" Gang Beam (4" x 4") - 74 Blade Disc	2	14	DGA5348	Wrench For 1-1/4" Hex Bolt	2
	DBS4-162	162" Gang Beam (4" x 4") - 78 Blade Disc	2				
	DBS4-168	168" Gang Beam (4" x 4") - 82 Blade Disc	2				

* As Required

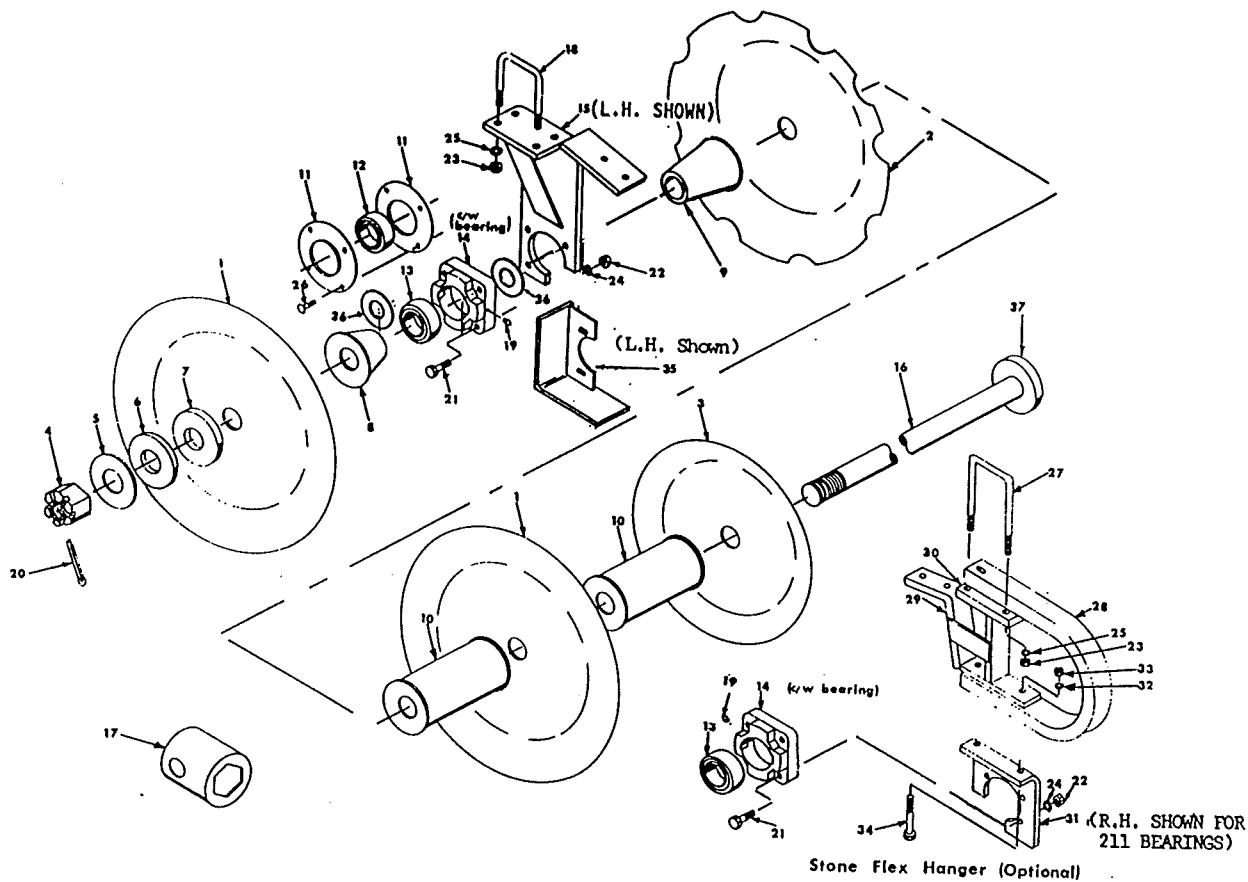


SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper - Used With 5/8" x 6" Hanger	*		DS64	7 Blade Scraper Bar - 64"	*
	DG6084	R.H. Scraper - Used With 5/8" x 6" Hanger	*		DS73	8 Blade Scraper Bar - 73-1/2"	*
2		SCRAPER BAR FOR 8" SPACING DISC			DS82	9 Blade Scraper Bar - 82"	*
	DS57	7 Blade Scraper Bar - 57-1/2"	*		DS92	10 Blade Scraper Bar - 92"	*
	DS65	8 Blade Scraper Bar - 65-1/2"	*		DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS73	9 Blade Scraper Bar - 73-1/2"	*		DS110	12 Blade Scraper Bar - 110"	*
	DS82	10 Blade Scraper Bar - 82"	*		DS120	13 Blade Scraper Bar - 120"	*
	DS90	11 Blade Scraper Bar - 90"	*	3	DG5308	1/2" x 2" U-Bolt	*
	DS99	12 Blade Scraper Bar - 99"	*	4	DG5309	5/8" x 2" U-Bolt	*
	DS107	13 Blade Scraper Bar - 107"	*	5		1/2" N.C. Hex Nut	*
	DS115	14 Blade Scraper Bar - 115-1/2"	*	6		5/8" N.C. Hex Nut	*
		SCRAPER BAR FOR 9" SPACING DISC		7		1/2" Lockwasher	*
	DS55	6 Blade Scraper Bar - 55"	*	8			

* As Required

MODEL 1590 DISC

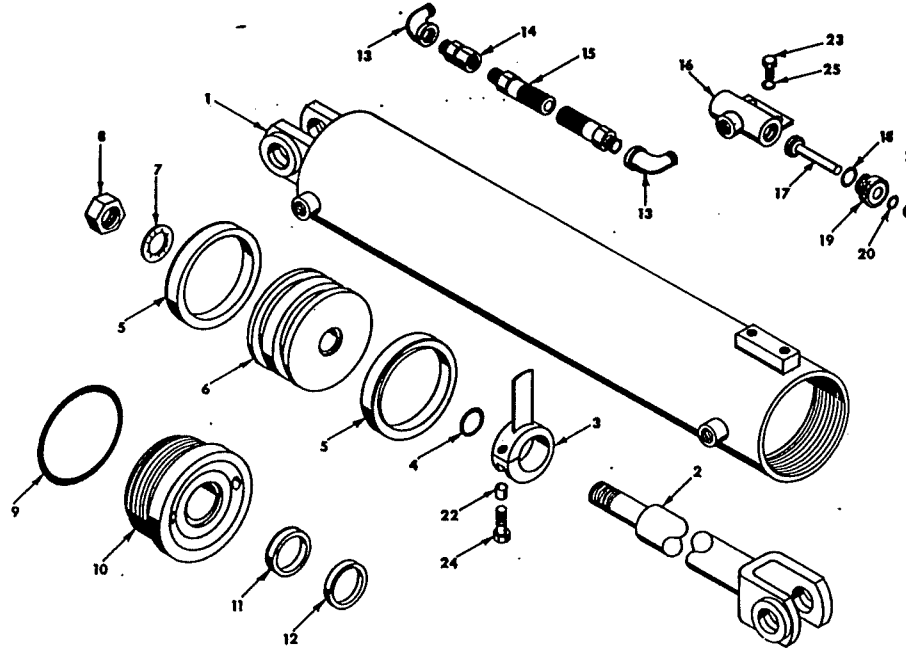


DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG149	20" x 6 mm (.236) Plain Disc Blade	*		DGA94	14 Blade Gang Bolt - 112-1/2" Long	*
	DG64	22" x 6 mm (.236) Plain Disc Blade	*			GANG BOLTS FOR 9" SPACING	
	DG60	22" x 7 mm (.275) Plain Disc Blade	*		DGA66	6 Blade Gang Bolt - 50-3/4" Long	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*		DGA67	7 Blade Gang Bolt - 60-1/2" Long	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	*		DGA68	8 Blade Gang Bolt - 69-3/4" Long	*
2	DG137	24" x 8 mm (5/16") Plain Disc Blade	*		DGA69	9 Blade Gang Bolt - 78-3/4" Long	*
	DG150	20" x 6 mm (.236) Notched Disc Blade	*		DGA70	10 Blade Gang Bolt - 88-1/4" Long	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*		DGA71	11 Blade Gang Bolt - 97-1/2" Long	*
	DG79	24" x 7 mm (.275) Notched Disc Blade	*		DGA72	12 Blade Gang Bolt - 106-3/4" Long	*
	DG138	24" x 8 mm (5/16") Notched Disc Blade	*		DGA73	13 Blade Gang Bolt - 115-3/4" Long	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*	17	DGA35	Socket Wrench	1
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*	18	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	*
	DG134	20" x 5 mm (.197) Plain Outrigger Blade	*	19	10GN1	1/4" - 28 Grease Fitting	*
4	DG82	2" Heavy Hex Slotted Nut	*	20	DG83	3/8" x 3" Cotter Pin	*
5	DG89	1/4" Shim Washer	*	21		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
6	DG88	1/2" Shim Washer	*			1/2" x 2-1/2" N.C. Hex Bolt - 211 Series Bearing (If Sand Guard Is Used)	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
8	DGA108	8" Spacing Short Half Spool - 2-3/8" Long	*			5/8" x 2-1/2" N.C. Hex Bolt - 214 Series Bearing (If Sand Guard Is Used)	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long With 5" Washer	*	22		1/2" N.C. Hex Nut - 211 Series Bearing	*
9	DGA102	8" & 9" Spacing Long Half Spool - 4-7/16" Long - For 211 Series Bearing	*			5/8" N.C. Hex Nut - 214 Series Bearing	*
	DGA103	8" & 9" Spacing Long Half Spool - 4-3/16" Long - For 214 Series Bearing	*	23		5/8" N.C. Hex Nut	*
10	DGA113	8" Spacing Full Spool - 8" Long	*	24		1/2" Lockwasher - 211 Series Bearing	*
	DGA98	9" Spacing Full Spool With 5" End Washers - 9" Long	*			5/8" Lockwasher - 214 Series Bearing	*
11	DG93	Heavy Duty Flangette For 210 Series Bearing	*	25		5/8" Lockwasher	*
12	DG90	210 Series Sealed Bearings	*	26		1/2" x 1-3/4" N.C. Carriage Bolt	*
13	DG95	211 Series Greaseable Bearings	*			1/2" x 2" N.C. Carriage Bolt (If Sand Guard Is Used)	*
	DG38	214 Series Greaseable Bearings	*	27	DG8541	5/8" x 4" U-Bolt	*
14	DGB5334	211 Housing c/w Bearing and Grease Fitting	*	28	DG8150	1-1/4" x 2" Spring Shank	*
	DGB5335	214 Housing c/w Bearing and Grease Fitting	*	29	DGA8612	Scraper Bar Support Bracket (Stone Flex Hanger)	*
15	DGA6089	L.H. Straight Bearing Hanger - 211 Series Bearing - Uses 5/8" x 4" U-Bolts	*	30	DGA8617	Backing Plate (Stone Flex Hanger)	*
	DGA6090	R.H. Straight Bearing Hanger - 211 Series Bearing - Uses 5/8" x 4" U-Bolts	*	31	DG5342	Bracket L.H. Mounting For 211 Series Bearing Stone Flex Hanger	*
	DGA10280	L.H. Straight Bearing Hanger - 214 Series Bearing - Uses 5/8" x 4" U-Bolts	*		DG5343	Bracket R.H. Mounting For 211 Series Bearing Stone Flex Hanger	*
	DGA10281	R.H. Straight Bearing Hanger - 214 Series Bearing - Uses 5/8" x 4" U-Bolts	*		DG5324	Bracket Mounting For 214 Series Bearing Stone Flex Hanger	*
16		GANG BOLTS FOR 8" SPACING		32		3/4" Lockwasher	*
	DGA87	7 Blade Gang Bolt - 54-1/2" Long	*	33		3/4" N.C. Hex Bolt	*
	DGA88	8 Blade Gang Bolt - 62-3/4" Long	*	34		3/4" x 3-1/2" N.C. Hex Bolt	*
	DGA89	9 Blade Gang Bolt - 71" Long	*		DGA37	Sand Guard - R.H. For 211 Series Bearing (California Only)	*
	DGA90	10 Blade Gang Bolt - 79-1/2" Long	*		DGA38	Sand Guard - L.H. For 211 Series Bearing (California Only)	*
	DGA70	11 Blade Gang Bolt - 88-1/4" Long	*		DGA39	Sand Guard - R.H. For 214 Series Bearing (California Only)	*
	DGA92	12 Blade Gang Bolt - 96" Long	*		DGA40	Sand Guard - L.H. For 214 Series Bearing (California Only)	*
	DGA93	13 Blade Gang Bolt - 104-1/4" Long	*	36	DG236	211 Gang Bearing Shield - Not Supplied as Std. Recommended When Replacing Bearings	*
					DG237	214 Gang Bearing Shield - Not Supplied as Std. Recommended When Replacing Bearings	*
				37	DGA5370	5" O.D. Weld-On Washer	*

* As Required

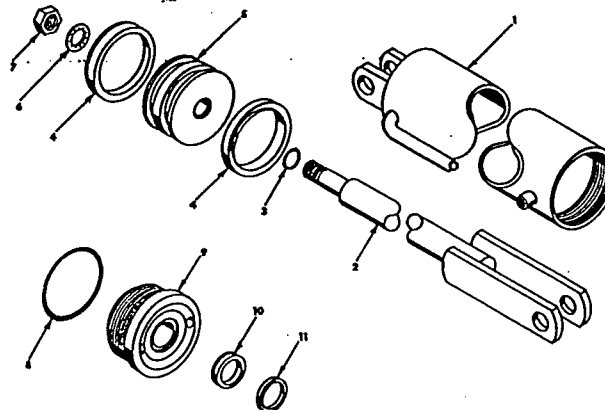
MODEL 1590 DISC



ROCKSHAFT CYLINDER - N4 - NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU2	Tube Assembly - 5" x 24"	1
2	10SH26	Shaft - 1-3/4" x 24"	1
3	DCA6	Depth Control Stop c/w Spacer (Item 22) and Bolt (Item 24)	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
5	50CU1	U-Cup	2
6	50PB1	Piston	1
7	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR14	1/4" x 5" O.D. O-Ring	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
11	10RS3	Rod Seal - 1-3/4" I.D.	1
12	10WS3	Wiper Seal - 1-3/4" I.D.	1
13	DL5271	1/2" x 90 Degree Street Elbow	2

Ref. No.	Part No.	Description	Qty. Req'd
14	DC27	1/2" Male-Female Swivel	1
15	H25-1	1/2" x 25" Hose	1
16	DCA7	Depth Control Assembly - c/w Piston, Plug, Two O-Rings and Wiper Seal	1
17	DC28	Piston	1
18	DC29	1/16" x 1" O.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" I.D.	1
22	DC33	Spacer	1
23		1/2" x 7/8" N.C. Hex Bolt	2
24		3/8" x 1-3/4" N.C. Hex Bolt	1
25		1/2" Lockwasher	2



WING LIFT CYLINDER - N4- NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU3	Tube Assembly - 5" x 48"	1
2	10SH27	Shaft - 1-3/4" x 48"	1
3	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
4	50CU1	U-Cup	2
5	50PB1	Piston	1
6	10SW2	Internal Star Washer - 1" I.D.	1

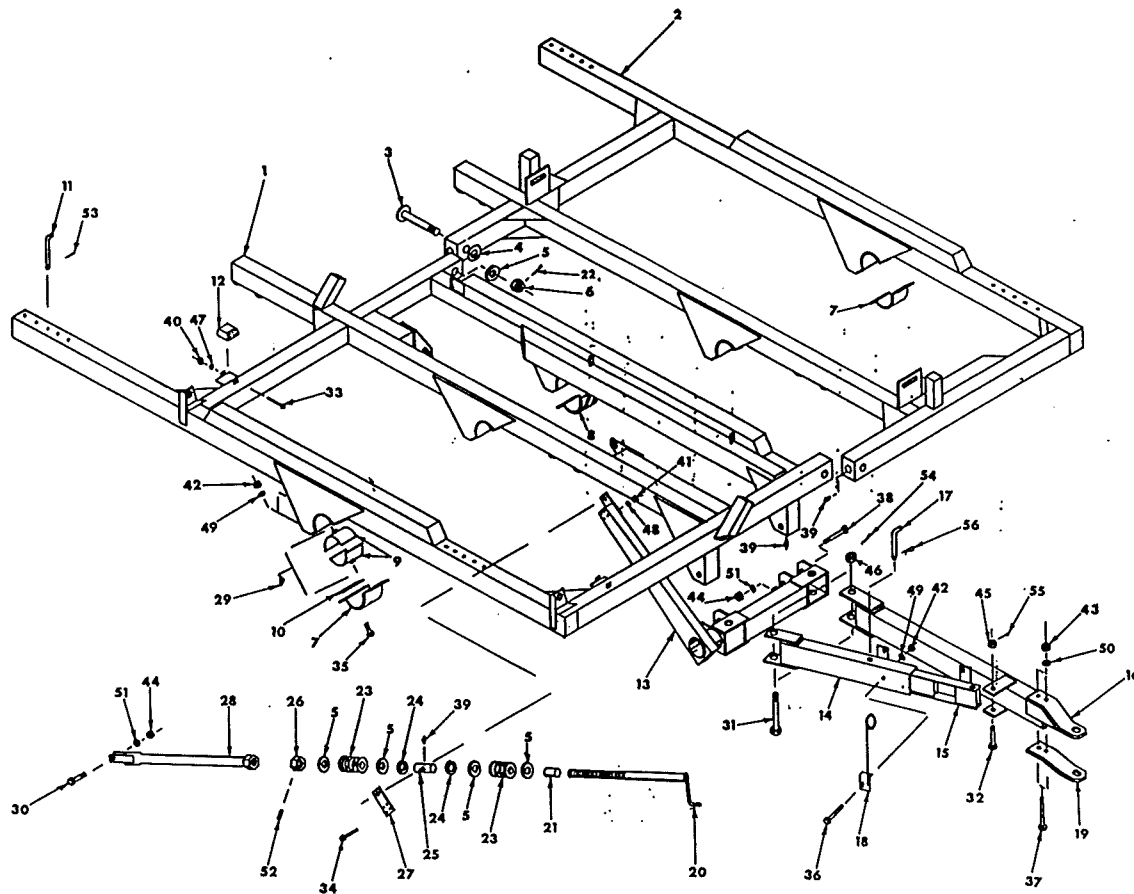
Ref. No.	Part No.	Description	Qty. Req'd
7	10NU2	1" - 14 UNS Hex Nut	1
8	10OR14	1/4" x 5" O.D. O-Ring	1
9	50HP1	Head Plate	1
10	10RS3	Rod Seal	1
11	10WS3	Wiper Seal	1

MODEL 1590 DISC

CYLINDER SEAL KITS

Kit No.	Contents			Application
5017N4	2	50CU1	5/8" Wide U-Cup	5" x 24" Rockshaft Cylinder
	1	100R13	1/8" x 1-1/4" O.D. O-Ring	
	1	100R14	1/4" x 5" O.D. O-Ring	5" x 48" Wing Lift Cylinder
	1	10RS3	Rod Seal 1-3/4" I.D.	
	1	10WS3	Wiper Seal 1-3/4" I.D.	
DCB4	1	DC29	1/16" x 1" O.D. O-Ring	Rockshaft Cylinder Depth Control Valve
	1	DC20	1/16" x 1/2" O.D. O-Ring	
	1	DC32	Wiper Seal 3/8" I.D.	
	If Piston Is Required, Order Part No. DC28			

MODEL 1600 DISC

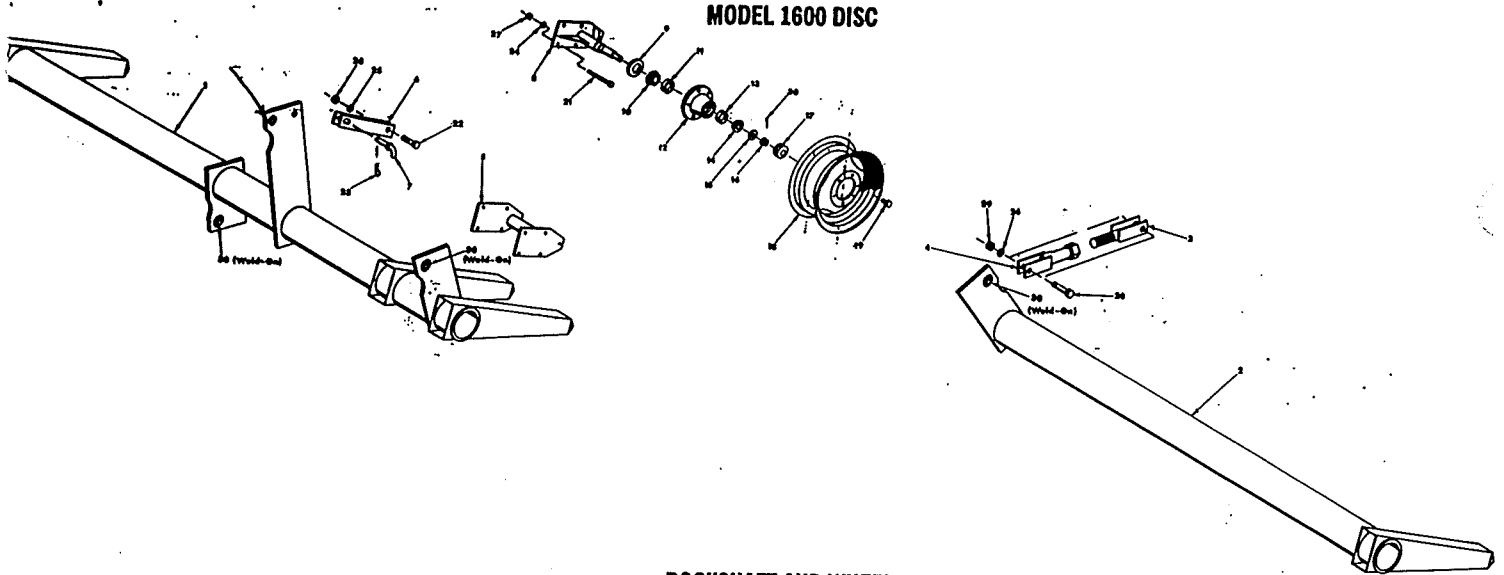


FRAME, HITCH AND LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB5000	Main Frame c/w Three Rockshaft Brg. Caps, Two Hinge Bolts and Two Gang Pins. Ref. No. 11 (Serial Nos. 9500-9750)	1
	DFB5044	Main Frame c/w Three Rockshaft Brg. Caps, Two Hinge Bolts and Two Gang Pins. Ref. No. 11 (All Serial Nos. Except 9500-9750)	1
2	DFB5081	Wing Frame - c/w Two Rockshaft Brg. Caps & Two Gang Pins, Ref. No. 11	1
3	DFA5042	Hinge Bolt	2
4	DF5020	Rear Hinge Bolt Shim	1
5	DH3	Washer	6
6	DG82	2" N.C. Slotted Nut	2
7	DFA5041	Rockshaft Bearing Cap	4
8	DFA5080	Reinforced Rockshaft Bearing Cap	1
9	DR5259	Rockshaft Bearing Liner Half	10
10	DF5063	Rockshaft Bearing Cap Shim	30
11	DF37	Gang Beam Retainer Pin	4
12	DF5065	Wing Cylinder - Support Block	2
13	DHA5138	Draw Bar	1
14	DGA5147	Hitch Brace - Female Half	1
15	DHA5150	Hitch Brace - Male Half	1
16	DHA5131	Tongue	1
17	DH5156	Brace Pin	1
18	DHA5161	Hose Support	1
	DH5158	Hitch - Bottom Half	1
	DCA3	Levelling Crank	1
	DC5185	Crank Spacer Sleeve	1
22	DCS187	3/8" x 3" Cotter Pin	2
23	DC15	Compression Spring - Levelling Crank	2
24	DC15	Thrust Bearing - Timken #T199	2
25	DCA5184	Bearing Tube - Levelling Crank	1
26	DH5	2" N.C. Heavy Hex. Nut-Drilled For Set Screw	1

Ref. No.	Part No.	Description	Qty. Req'd
27	DH5146	Levelling Arm Lug	1
28	DCA5181	Levelling Link	1
29	DR5260	1/4" - 28 - 45 Degree Grease Fitting	10
30	DR5215	1-1/4" x 4-1/4" Hex. Nut (Special)	1
31	DH5164	1-1/2" x 11" Hex. Bolt - Drilled for Cotter Pin	1
32	DH5167	1-1/4" x 9" Hex. Bolt - Drilled for Cotter Pin	1
33		3/8" x 5" N.C. Hex Bolt	2
34		1/2" x 5" N.C. Hex Bolt	4
35		3/4" x 2-1/2" N.C. Hex Bolt	10
36		3/4" x 6" N.C. Hex Bolt	1
37		1" x 9-1/2" N.C. Hex Bolt	2
38		1-1/4" x 9" N.C. Hex Bolt	2
39	10GN1	1/4" - 28 Grease Fitting	6
40		3/8" N.C. Hex Nut	2
41		1/2" N.C. Hex Nut	4
42		3/4" N.C. Hex Nut	11
43		1" N.C. Hex Nut	2
44		1-1/4" N.C. Hex Nut	3
45	OG125	1-1/4" N.C. Hex Slotted Nut	1
46	DH5165	1-1/2" N.C. Hex Slotted Nut	2
47		3/8" Lockwasher	2
48		1/2" Lockwasher	4
49		3/4" Lockwasher	11
50		1" Lockwasher	2
51		1-1/4" Lockwasher	3
52		1/2" x 1" N.C. Square Head Set Screw	1
53		1/4" x 1-1/4" Cotter Pin	4
54		5/16" x 2-1/4" Cotter Pin	2
55		1/4" x 2" Cotter Pin	1
56	DW25	Hair Pin Cotter	1

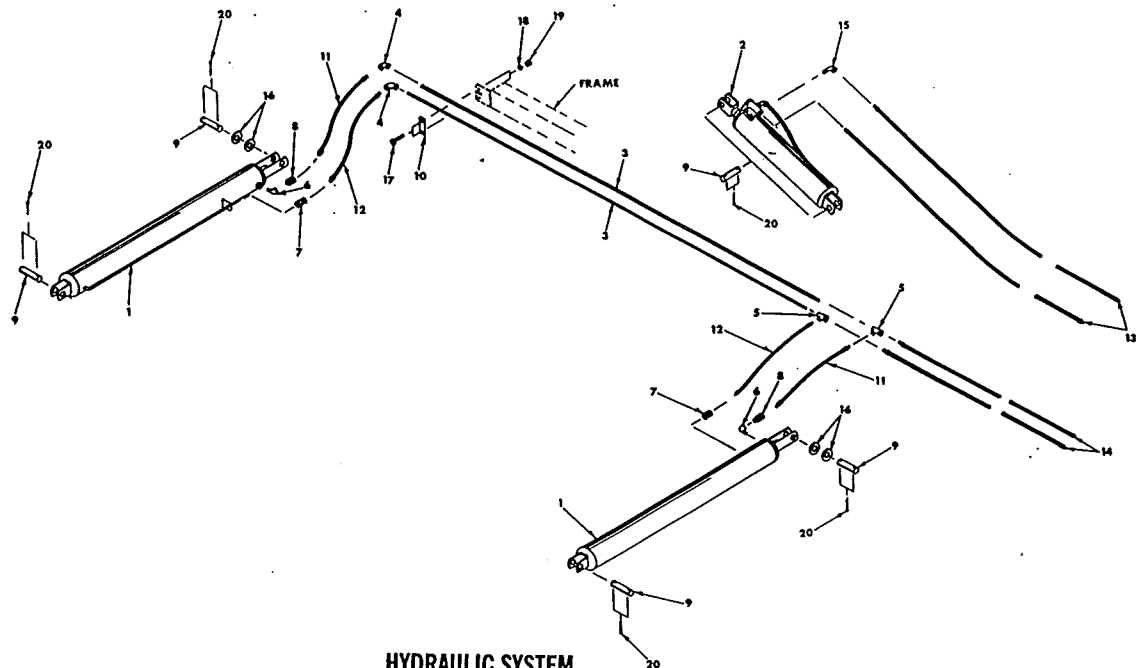
MODEL 1600 DISC



ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRAS217	Main Frame Rockshaft (Serial Nos. 9500-9750)	1
2	DRAS266	Main Frame Rockshaft (All Serial Nos. Except 9500-9750)	1
3	DRAS233	Wing Rockshaft	1
4	DRAS213	Rockshaft Link - Male Half	1
5	DRAS210	Rockshaft Link - Female Half	1
6	DRAS241	Wheel Leg Spacer - 6-3/8" Long (Serial Nos. 9500-9750)	1
7	DRAS268	Wheel Leg Spacer - 11-3/4" Long (All Serial Nos. Except 9500-9750)	1
8	DRAS245	Lock-up Strap	1
9	DRAS248	Lock-up Pin	1
10	DRAS237	Spindle	6
11	DR122	Grease Seal NOK # AF7879E	6
12	DR120	Inner Cone Bearing #25580	6
13	DR118	Inner Cup #25520	6
14	DR99	Hub - c/w Cups	6
15	DR92	Outer Cup - #LM 48510	6
16	DR91	Outer Cone Bearing #LM 48548	6

Ref. No.	Part No.	Description	Qty. Req'd
15		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	6
16	DR110	1" N.F. Hex Slotted Nut	6
17	DR123	Hub Cap	6
18	DRS261	15 x 8 Hole Rim (11L x 15 Tire)	6
19	DR125	9/16" x 1-1/8" N.F. Wheel Stud	36
20	DRS215	1-1/4" x 4-1/4" N.C. Hex Bolt (Special)	2
21		5/8" x 6" N.C. Hex Bolt	20
22		1" x 3" N.C. Hex Bolt	1
23	DW25	Hair Pin Cotter	1
24		5/8" Lockwasher	20
25		1" Lockwasher	1
26		1-1/4" Lockwasher	2
27		5/8" N.C. Hex Nut	20
28		1" Hex Nut	1
29		1-1/4" N.C. Hex Nut	2
30	DRS227	1-1/4" Ball Joint (Weld-On)	3

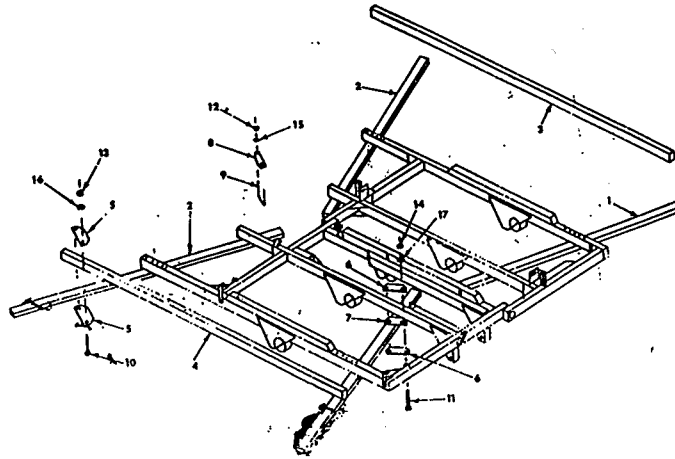


HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	211	5" x 48" Wing Lift Cylinder	2
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control Stop - Less Flo-Valve, Elbows, and Hose.	1
3	DF5038	Hydraulic Line	2
4	DL11	3/8" x 90 Degree Elbow	2
5	DL5272	3/8" x 1/2" Tee	2
6	L1618	3/8" x 90 Degree Street Elbow	2
7	L29	3/8" Female Swivel Adapter	2
8	L1619	3/8" Male - Female Swivel Adapter	2
9	DRS252	Cylinder Pin	6
10	DF5066	Oil Line Clamp Plate	1

Ref. No.	Part No.	Description	Qty. Req'd
11	H30	3/8" x 30" Hose	2
12	H36	3/8" x 36" Hose	2
13	H186-1	1/2" x 186" Hose	2
14	H132-1	1/2" x 132" Hose	2
15	DL5271	1/2" x 90 Degree Street Elbow	1
16	DF5068	Spacer Washer	4
17		1/2" x 2" Hex Bolt	2
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	12

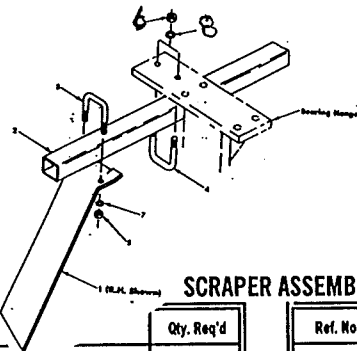
MODEL 1600 DISC



GANG BEAMS AND STABILIZER BEAMS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		FRONT GANG BEAM FOR 9" SPACING DISC				REAR GANG BEAM FOR 10-1/2" SPACING DISC	
	DBS126	126" Gang Beam - 58 Blade Disc	2		DBS132	132" Gang Beam - 50 Blade Disc	2
	DBS132	132" Gang Beam - 62 Blade Disc	2		DBS144	144" Gang Beam - 54 Blade Disc	2
	DBS144	144" Gang Beam - 66 Blade Disc	2		DBS156	156" Gang Beam - 58 Blade Disc	2
	DBS150	150" Gang Beam - 70 Blade Disc	2		DBS162	162" Gang Beam - 62 Blade Disc	2
	DBS162	162" Gang Beam - 74 Blade Disc	2		DBS174	174" Gang Beam - 66 Blade Disc	2
	DBS168	168" Gang Beam - 78 Blade Disc	2		DBS186	186" Gang Beam - 70 Blade Disc	2
	DBS180	180" Gang Beam - 82 Blade Disc	2			REAR GANG BEAM FOR 12" SPACING DISC	
		FRONT GANG BEAM FOR 10-1/2" SPACING DISC			DBS126	126" Gang Beam - 42 Blade Disc	2
	DBS120	120" Gang Beam - 50 Blade Disc	2		DBS138	138" Gang Beam - 46 Blade Disc	2
	DBS132	132" Gang Beam - 54 Blade Disc	2		DBS150	150" Gang Beam - 50 Blade Disc	2
	DBS144	144" Gang Beam - 58 Blade Disc	2		DBS162	162" Gang Beam - 54 Blade Disc	2
	DBS156	156" Gang Beam - 62 Blade Disc	2		DBS174	174" Gang Beam - 58 Blade Disc	2
	DBS162	162" Gang Beam - 66 Blade Disc	2		DBS186	186" Gang Beam - 62 Blade Disc	2
	DBS174	174" Gang Beam - 70 Blade Disc	2	3	DBS237*	237" Stabilizer Beam - Used on Larger Models	1
		FRONT GANG BEAM FOR 12" SPACING DISC		4	DBS219*	219" Stabilizer Beam - Used on Larger Models	1
	DBS114	114" Gang Beam - 42 Blade Disc	2	5	DG161	Clamp Plate - Stabilizer Beams Only	8
	DBS126	126" Gang Beam - 46 Blade Disc	2	6	DG167	Clamp Plate - Gang Beam	16
	DBS138	138" Gang Beam - 50 Blade Disc	2	7	DG163	Front Gang Beam Shim - Used to Prevent Front Gang from Riding	*
	DBS150	150" Gang Beam - 54 Blade Disc	2	8	DG160	Thrust Block	4
	DBS162	162" Gang Beam - 58 Blade Disc	2	9	DG18	3/4" x 6" U-Bolt	4
	DBS174	174" Gang Beam - 62 Blade Disc	2	10		1" x 14" N.C. Hex Bolt - Used on Stabilizer Beams Only	8
		REAR GANG BEAM FOR 9" SPACING DISC		11		1-1/4" x 14" N.C. Hex Bolt	16
	DBS132	132" Gang Beam - 58 Blade Disc	2	12		3/4" N.C. Hex Nut	8
	DBS144	144" Gang Beam - 62 Blade Disc	2	13		1" N.C. Hex Nut	8
	DBS150	150" Gang Beam - 66 Blade Disc	2	14		1-1/4" N.C. Hex Nut	16
	DBS162	162" Gang Beam - 70 Blade Disc	2	15		3/4" Lockwashers	8
	DBS168	168" Gang Beam - 74 Blade Disc	2	16		2" O.D. x 1-1/32" I.D. x 1/4" Washer	8
	DBS174	174" Gang Beam - 78 Blade Disc	2	17		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Washer	16
	DBS186	186" Gang Beam - 82 Blade Disc	2				

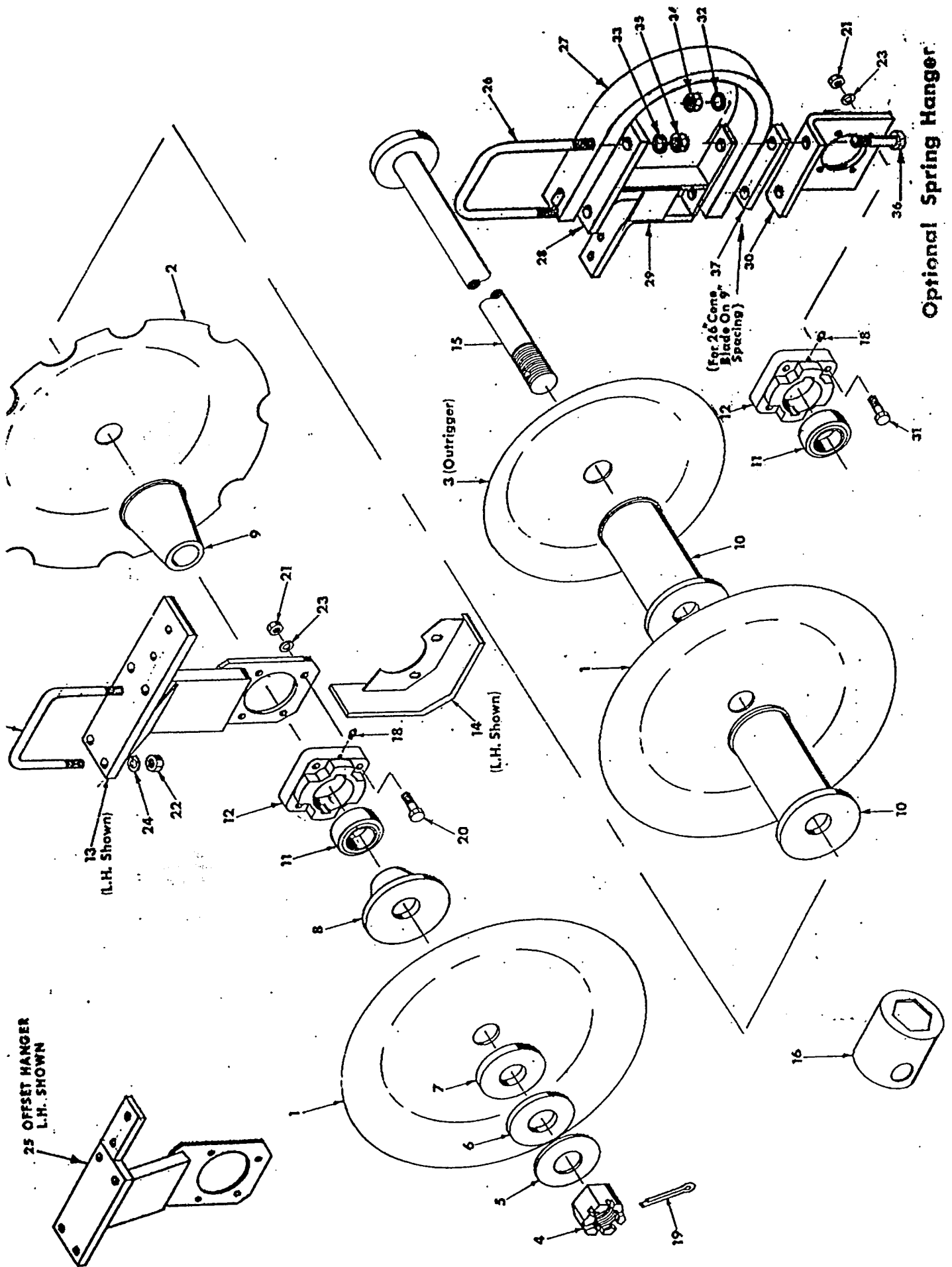
* DO NOT USE AS GANG BEAM



SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DGS300	L.H. Scraper	*		DS108	10 Blade Scraper Bar - 108"	*
	DGS301	R.H. Scraper	*		DS120	11 Blade Scraper Bar - 120"	*
	DGS304	L.H. Scraper (Cone Blades ONLY)	*		DS138	13 Blade Scraper Bar - 138"	*
	DGS305	R.H. Scraper (Cone Blades ONLY)	*			SCRAPER BAR FOR 12" SPACING DISC	
		SCRAPER BAR FOR 9" SPACING DISCS			DS72	6 Blade Scraper Bar - 72"	*
2	DS54	6 Blade Scraper Bar - 54"	*		DS84	7 Blade Scraper Bar - 84"	*
	DS66	7 Blade Scraper Bar - 66"	*		DS96	8 Blade Scraper Bar - 96"	*
	DS72	8 Blade Scraper Bar - 72"	*		DS108	9 Blade Scraper Bar - 108"	*
	DS84	9 Blade Scraper Bar - 84"	*		DS120	10 Blade Scraper Bar - 120"	*
	DS90	10 Blade Scraper Bar - 90"	*		DS132	11 Blade Scraper Bar - 132"	*
	DS102	11 Blade Scraper Bar - 102"	*		DS144	12 Blade Scraper Bar - 144"	*
	DS114	12 Blade Scraper Bar - 114"	*	3	DGS308	1/2" x 2" U-Bolt	*
		SCRAPER BAR FOR 10-1/2" SPACING DISCS		4	DGS309	5/8" x 2" U-Bolt	*
	DS54	5 Blade Scraper Bar - 54"	*	5		1/2" Nut	*
	DS60	6 Blade Scraper Bar - 60"	*	6		5/8" Nut	*
	DS72	7 Blade Scraper Bar - 72"	*	7		1/2" Lockwasher	*
	DS84	8 Blade Scraper Bar - 84"	*	8		5/8" Lockwasher	*
	DS96	9 Blade Scraper Bar - 96"	*				

* As Required



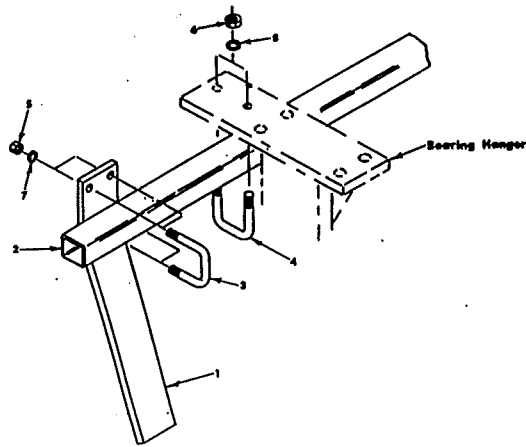
DISC GANG

Ref. No.	Part No.	Description	Qty. Req'd
1	DG64	22" x 6 mm (.236) Plain Disc Blade	*
	DG60	22" x 7 mm (.275) Plain Disc Blade	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	*
	DG137	24" x 8 mm (.516") Plain Disc Blade	*
	DG72	26" x 6 mm (.236) Plain Disc Blade	*
	DG80	26" x 7 mm (.275) Plain Disc Blade	*
	DG74	26" x 8 mm (.516") Plain Disc Blade	*
	DG151	22" x 6 mm (.236) Cone Disc Blade - Solid	*
	DG153	24" x 6 mm (.236) Cone Disc Blade - Solid	*
	DG139	24" x 7 mm (.275) Cone Disc Blade - Solid	*
	DG155	26" x 6 mm (.236) Cone Disc Blade - Solid	*
	DG141	26" x 7 mm (.275) Cone Disc Blade - Solid	*
	DG157	26" x 8 mm (.516") Cone Disc Blade - Solid	*
	DG65	22" x 6 mm (.236) Notched Disc Blade	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*
	DG69	24" x 6 mm (.236) Notched Disc Blade	*
	DG79	24" x 7 mm (.275) Notched Disc Blade	*
	DG138	24" x 8 mm (.516") Notched Disc Blade	*
	DG73	26" x 6 mm (.236) Notched Disc Blade	*
	DG81	26" x 7 mm (.275) Notched Disc Blade	*
	DG75	26" x 8 mm (.516") Notched Disc Blade	*
	DG152	22" x 6 mm (.236) Cone Disc Blade - Notched	*
	DG154	24" x 6 mm (.236) Cone Disc Blade - Notched	*
	DG156	26" x 6 mm (.236) Cone Disc Blade - Notched	*
	DG142	26" x 7 mm (.275) Cone Disc Blade - Notched	*
	DG158	26" x 8 mm (.516") Cone Disc Blade - Notched	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*
4	DG134	20" x 5 mm (.197) Plain Outrigger Blade	*
	DG64	22" x 6 mm (.236) Plain Outrigger Blade	*
5	DG82	2" N.C. Heavy Hex Slotted Nut	*
	DG89	1/4" Shim Washer	*
F	DG88	1/2" Shim Washer	*
	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
6	DGA106**	9" & 10-1/2" Spacing Short Half Spool For 211 & 214 Bearings. 3-1/4" Long (Convex Side)	*
	DGA110**	12" Spacing Short Half Spool For 211 & 214 Bearings. 4-3/4" Long (Convex Side)	*
9	DGA102	9" Spacing Long Half Spool For 211 Bearings. 4-7/16" Long (Concave Side)	*
	DGA103	9" Spacing Long Half Spool For 214 Bearings. 4-3/16" Long (Concave Side)	*
	DGA104	10-1/2" & 12" Spacing Long Half Spool For 211 Bearings. 5-5/16" Long (Concave Side)	*
	DGA105	10-1/2" & 12" Spacing Long Half Spool For 214 Bearings. 5-11/16" Long (Concave Side)	*
10	DGA100	9" Spacing Spool - 6" Dia. One End	*
	DGA101	10-1/2" Spacing Spool - 6" Dia. One End	*
	DGA111	12" Spacing Spool - 6" Dia. One End	*
11	DG95	211 Series Greaseable Bearing	*
	DG38	214 Series Greaseable Bearing	*
12	DG94	Bearing Housing For 211 Series Bearing	*
	DG96	Bearing Housing For 214 Series Bearing	*
13	DGA41	R.H. Bearing Hanger - 211 Series Bearing Uses 3/4" x 6" U-Bolt - (Serial Nos. 9500-9750). Order Hanger No. DGA5315 c/w 2 U-Bolts No.DG5314	*
	DGA42	L.H. Bearing Hanger - 211 Series Bearing Uses 3/4" x 6" U-Bolt - (Serial Nos. 9500-9750). Order Hanger No. DGA5317 c/w 2 U-Bolts No.DG5314	*
	DGA43	R.H. Bearing Hanger - 214 Series Bearing Uses 3/4" x 6" U-Bolt - (Serial Nos. 9500-9750). Order Hanger No. DGA5318 c/w 2 U-Bolts No. DG5314	*
	DGA44	L.H. Bearing Hanger - 214 Series Bearing Uses 3/4" x 6" U-Bolt - (Serial Nos. 9500-9750). Order Hanger No. DGA5319 c/w 2 U-Bolts No.DG5314	*
	DGA5315	R.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-Bolt - (All Serial Nos. Except 9500-9750)	*
	DGA5317	L.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-Bolt - (All Serial Nos. 9500-9750)	*
	DGA5318	R.H. Bearing Hanger - 214 Series Bearing Uses 7/8" x 6" U-Bolt - (All Serial Nos. Except 9500-9750)	*
	DGA5319	L.H. Bearing Hanger - 214 Series Bearing Uses 7/8" x 6" U-Bolt - (All Serial Nos. Except 9500-9750)	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
14	DGA37	R.H. Sand Guard For 211 Series Bearing (California Only)	*
	DGA38	L.H. Sand Guard For 211 Series Bearing (California Only)	*
	DGA39	R.H. Sand Guard For 214 Series Bearing (California Only)	*
	DGA40	L.H. Sand Guard For 214 Series Bearing (California Only)	*
15	<u>GANG BOLTS FOR 9" SPACING DISCS</u>		
	DGA66	6 Blade Gang Bolt - 50-3/4"	*
	DGA67	7 Blade Gang Bolt - 60-1/4"	*
	DGA68	8 Blade Gang Bolt - 69-1/2"	*
	DGA69	9 Blade Gang Bolt - 78-3/4"	*
	DGA70	10 Blade Gang Bolt - 87-3/4"	*
	DGA71	11 Blade Gang Bolt - 97-1/2"	*
	DGA72	12 Blade Gang Bolt - 106-3/4"	*
	<u>GANG BOLTS FOR 10-1/2" SPACING DISCS</u>		
	DGA75	5 Blade Gang Bolt - 47-1/2"	*
	DGA76	6 Blade Gang Bolt - 58-1/2"	*
	DGA77	7 Blade Gang Bolt - 69-1/4"	*
	DGA78	8 Blade Gang Bolt - 80"	*
16	DGA79	9 Blade Gang Bolt - 90-3/4"	*
	DGA80	10 Blade Gang Bolt - 101-3/4"	*
	DGA81	11 Blade Gang Bolt - 112-1/2"	*
	DGA83	13 Blade Gang Bolt - 134"	*
	<u>GANG BOLTS FOR 12" SPACING DISC</u>		
	DGA115	6 Blade Gang Bolt - 66"	*
	DGA69	7 Blade Gang Bolt - 78-3/4"	*
	DGA79	8 Blade Gang Bolt - 90-3/4"	*
	DGA118	9 Blade Gang Bolt - 103"	*
	DGA73	10 Blade Gang Bolt - 115-3/4"	*
	DGA120	11 Blade Gang Bolt - 127-1/2"	*
	DGA121	12 Blade Gang Bolt - 140"	*
17	DGA35	Socket Wrench	*
	DG18	U-Bolt - 3/4" (Serial Nos. 9500-9750)	*
18	DG5314	U-Bolt - 7/8" x 6-3/8" Long (All Serial Nos. Except 9500-9750). Use On Standard Hangers. For Spring Shank Hangers Use Part No. DG5325	*
	10GN1	1/4" - 28 Grease Fitting	*
19		3/8" x 3" Cotter Pin	*
		1/2" x 2" N.C. Hex Bolt 211 Series Bearing	*
20		1/2" x 2-1/4" N.C. Hex Bolt 211 Series Bearing. (If Sand Guards Are Used)	*
		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing. (If Sand Guards Are Used)	*
21		5/8" x 2-1/2" N.C. Hex Bolt - 214 Series Bearing. (If Sand Guards Are Used)	*
		5/8" N.C. Hex Nut - For 214 Series Bearing	*
22		1/2" N.C. Hex Nut - For 211 Series Bearing	*
		3/4" N.C. Hex Nut (Serial Nos. 9500-9750)	*
23		7/8" N.C. Hex Nut (All Serial Nos. Except 9500-9750)	*
		1/2" Lockwasher - For 211 Series Bearing	*
24		5/8" Lockwasher - For 214 Series Bearing	*
		3/4" Lockwasher (Serial Nos. 9500-9750)	*
25		7/8" Lockwasher (All Serial Nos. Except 9500-9750)	*
	DGA5320	R.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt Only)	*
26	DGA5321	L.H. Offset Hanger - 211 Series Hanger (7/8" x 6" U-Bolt Only)	*
	DGA5322	R.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt Only)	*
27	DGA5323	L.H. Offset Hanger - 214 Series Hanger (7/8" x 6" U-Bolt Only)	*
	DG5325	7/8" U-Bolt x 7-5/8" Long	*
28	DG5313	Spring Shank 1-1/4" x 2-1/2"	*
	DGA5328	Backing Plate	*
29	DGA5333	Scraper Bar Support Bracket	*
	DG5331	Mount Bracket For 211 Bearing	*
30	DG5324	Mount Bracket For 214 Bearing	*
		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
31		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
		3/4" Lockwasher	*
32		7/8" Lockwasher	*
		3/4" N.C. Hex Nut	*
33		7/8" N.C. Hex Nut	*
		3/4" x 3-1/2" Hex Bolt	*
34		3/4" x 4-1/2" Hex Bolt - Used When Spring Hanger Is Equipped With Spacer #DG5332	*
		Shim - Used With Disc With 26" Cone Blade And Discs With 26" Standard Blades On 9" Spacing	*
35			*
			*
36			*
			*
37	DG5332		*
			*

MODEL 1600 DISC

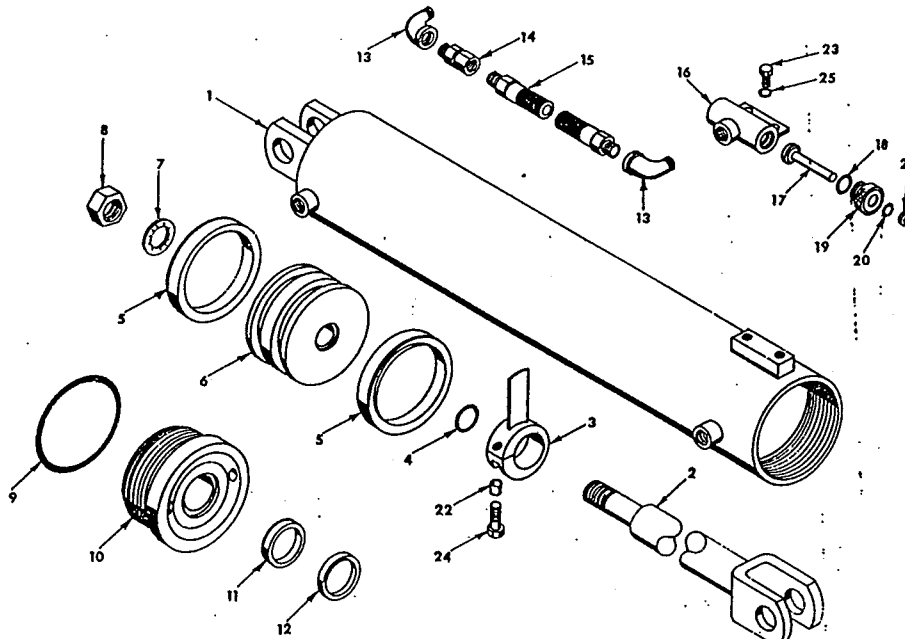


TRASH GUARD ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DCS306	Trash Guard	*
2		<u>TRASH GUARD BAR FOR 9" SPACING DISC</u>	
	DS54	6 Blade Bar - 54"	*
	DS66	7 Blade Bar - 66"	*
	DS72	8 Blade Bar - 72"	*
	DS84	9 Blade Bar - 84"	*
	DS90	10 Blade Bar - 90"	*
	DS102	11 Blade Bar - 102"	*
	DS114	12 Blade Bar - 114"	*
		<u>TRASH GUARD BAR FOR 10-1/2" SPACING DISC</u>	
	DS54	5 Blade Bar - 54"	*
	DS60	6 Blade Bar - 60"	*
	DS72	7 Blade Bar - 72"	*
	DS84	8 Blade Bar - 84"	*
	DS96	9 Blade Bar - 96"	*
	DS108	10 Blade Bar - 108"	*

Ref. No.	Part No.	Description	Qty. Req'd
	DS120	11 Blade Bar - 120"	*
	DS138	13 Blade Bar - 138"	*
		<u>TRASH GUARD BAR FOR 12" SPACING DISC</u>	
	DS72	6 Blade Bar - 72"	*
	DS84	7 Blade Bar - 84"	*
	DS96	8 Blade Bar - 96"	*
	DS108	9 Blade Bar - 108"	*
	DS120	10 Blade Bar - 120"	*
	DS132	11 Blade Bar - 132"	*
	DS144	12 Blade Bar - 144"	*
3	DCS308	1/2" x 2" U-Bolt	*
4	DCS309	5/8" x 2" U-Bolt	*
5		1/2" Nut	*
6		5/8" Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

* As Required

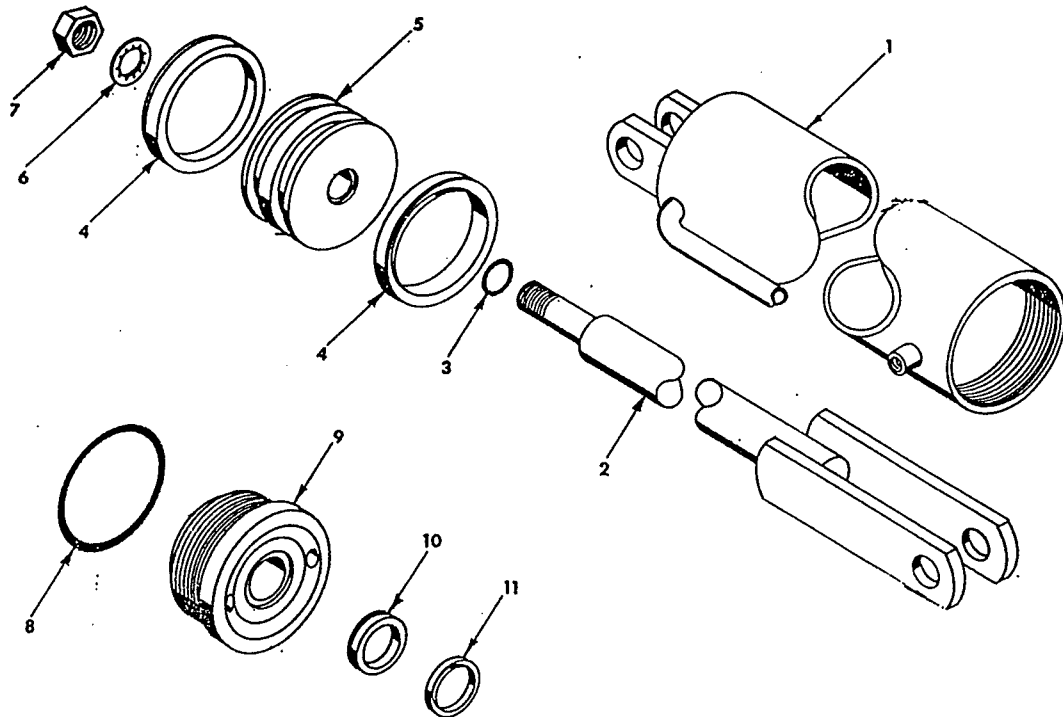


ROCKSHAFT CYLINDER - N4 - NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU2	Tube Assembly - 5" x 24"	1
2	10SH26	Shaft - 1-3/4" x 24"	1
3	DCA6	Depth Control Stop c/w Spacer Item 22 & Bolt Item 24	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
5	50CU1	U-Cup	2
	50PB1	Piston	1
	10SW2	Internal Star Washer - 1" I.D.	1
	10NU2	1" - 14 UNS Hex Nut	1
9	10OR14	1/4" x 5" O.D. O-Ring	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
11	10RS3	Rod Seal - 1-3/4" I.D.	1
12	10WS3	Wiper Seal - 1-3/4" I.D.	1
13	DL5271	1/2" x 90 Degree Street Elbow	2

Ref. No.	Part No.	Description	Qty. Req'd
14	DC27	1/2" Male - Female Swivel	1
15	H25-1	1/2" x 25" Hose	1
16	DCA7	Depth Control Assembly - c/w Piston, Plug, Two O-Rings & Wiper Seal	1
17	DC28	Piston	1
18	DC29	1/16" x 1" O.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" I.D.	1
22	DC33	Spacer	1
23		1/2" x 7/8" N.C. Hex Bolt	2
24		3/8" 1-3/4" N.C. Hex Bolt	1
25		1/2" Lockwasher	2

MODEL 1600 DISC



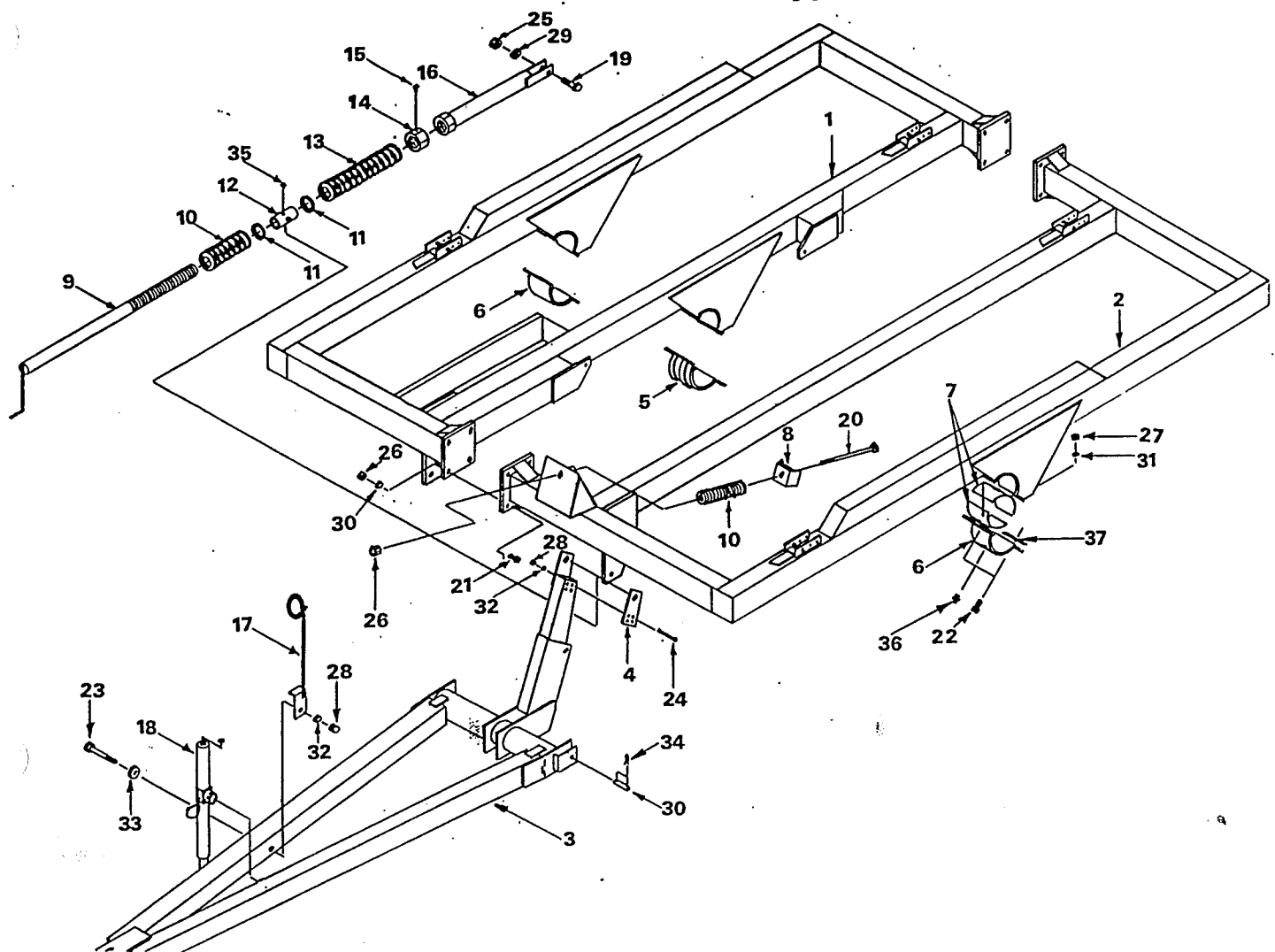
WING LIFT CYLINDER - N4 - NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU3	Tube Assembly - 5" x 48"	1
2	10SH27	Shaft - 1-3/4" x 48"	1
3	100R13	1/8" x 1-1/4" O.D. O-Ring	1
4	50CU1	U-Cup	2
5	50PB1	Piston	1
6	10SW2	Internal Star Washer - 1" O.D.	1
7	10NU2	1" - 14 UNS Hex Nut	1
8	100R14	1/4" x 5" O.D. O-Ring	1
9	50HP1	Head Plate	1
10	10RS3	Rod Seal	1
11	10WS3	Wiper Seal	1

CYLINDER SEAL KITS

Kit No.	Contents	Application
5017N4	2 - 50CU1 - 5/8" Wide U-Cup 1 - 100R13 - 1/8" x 1-1/4" O.D. O-Ring 1 - 100R14 - 1/4" x 5" O.D. O-Ring 1 - 10RS3 - Rod Seal 1-3/4" I.D. 1 - 10WS3 - Wiper Seal 1-3/4" I.D.	5" x 24" Rockshaft Cylinder 5" x 48" Wing Lift Cylinder
DCB4	1 - DC29 - 1/16" x 1" O.D. O-Ring 1 - DC20 - 1/16" x 1/2" O.D. O-Ring 1 - DC32 - Wiper Seal 3/8" I.D. If Piston is Required, Order Part Number DC28.	Rockshaft Cylinder Depth Control Valve

MODEL 1700-1750 HEAVY DUTY OVERLAPPING OFFSET FRONT GANG TANDEM DISC

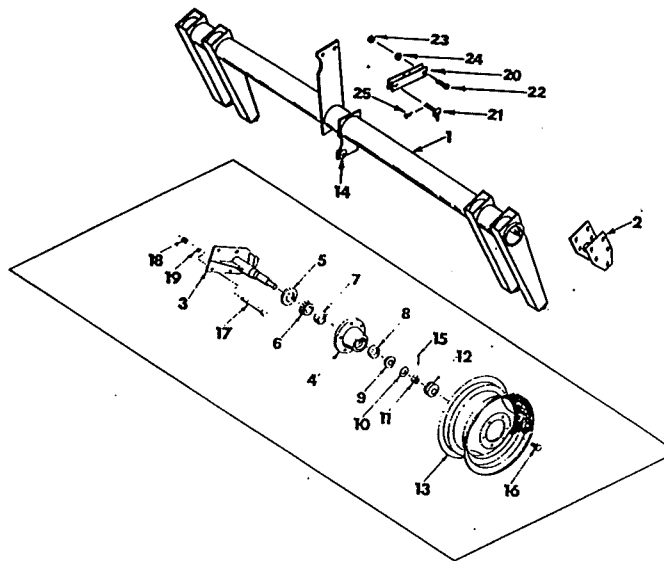


FRAME, HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB10500	R.H. Half Of Frame, c/w Two Rockshaft Bearing Caps (Ref. #5, 6), Gang Angle Adjustment Plates w/Pins & Hair Pin Cotter. Bolt, Nut & Lockwashers (Ref. 22, 27, 31)	1
2	DGB10521	L.H. Half Of Frame c/w One Rockshaft Bearing Caps (Ref. #6) Gang Angle Adjustment Plates, c/w Pins & Hair Pin Cotters. Bolt Nuts & Lockwashers (Ref. #22, 27, 31) Floating Hitch Spring (Ref. #10) Spring Cushion Plate (Ref. #8) and 1" x 14" Bolt (Ref. #20) c/w Nuts & Lockwashers (Ref. #26)	1
3	DHB10127	Hitch c/w Levelling Arm Lug (Ref. #4) Two Hitch Pins (Ref. #30), Cotter Pins (Ref. #34), Bolts, Nuts, & Lockwashers (Ref. #23, 24, 28, 32, 33)	1
4	DH5146	Levelling Arm Lug	1
5	DFAS080	Reinforced Rockshaft Bearing Caps	1
6	DGA5041	Rockshaft Bearing Cap	1
7	DF5259	Rockshaft Bearing Liners	6
8	DFA10536	Spring Cushion Plate	1
9	DCA9970	Levelling Crank - 50"	1
10	DC9615	Compression Spring - 10-7/8" Long	2
11	DC15	Thrust Bearing (Timken T199)	2
12	DCAS184	Bearing Tube - Levelling Crank	1
13	DC9618	Compression Spring - 21-3/8" Long	1
14	DH5	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1
15		1/2" x 1" N.C. Square Head Set Screw	1

Ref. No.	Part No.	Description	Qty. Req'd
16	DCA7446	Levelling Link	1
17	DHA5161	Hose Support	1
18	DHB5170	Hitch Jack (Optional)	1
19	DR5215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
20		1" x 14" N.C. Hex Bolt	1
21		1" x 3-1/4" N.C. Hex Bolt	8
22		3/4" x 2-1/2" N.C. Hex Bolt	6
23		1/2" x 5-1/2" N.C. Hex Bolt	1
24		1/2" x 5" N.C. Hex Bolt	4
25		1-1/4" N.C. Hex Nut	1
26		1" N.C. Hex Nut	10
27		3/4" N.C. Hex Nut	6
28		1/2" N.C. Hex Nut	5
29		1-1/4" Lockwasher	1
30	DH8562	1-1/4" x 4-1/2" Hitch Pin	2
31		3/4" Lockwashers	6
32		1/2" Lockwashers	5
33		1-3/4" O.D. x 9/16" L.D. Flatwasher	1
34		1/4" x 2" Cotter Pin	4
35	10GN1	1/4" - 28 Grease Fitting	1
36	DR5260	1/4" - 28 45 Degree Grease Fitting - Top of Rockshaft Bearing	4
37	10GN1	1/4" - 28 Straight Grease Fitting - Bottom of Rockshaft Bearing	4
	DF5063	Rockshaft Bearing Cap Shim	18

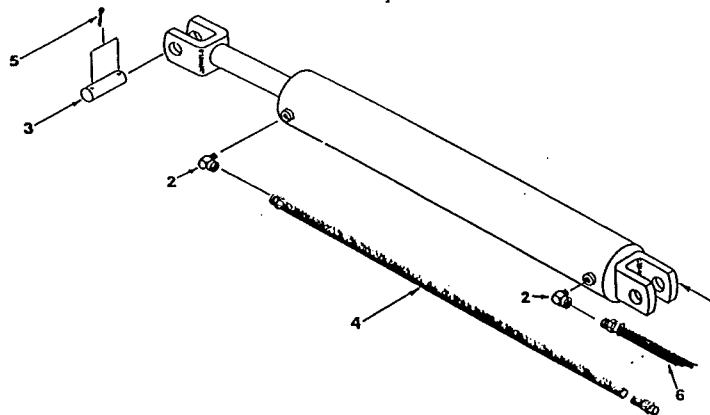
MODEL 1700-1750 HEAVY DUTY OVERLAPPING OFFSET FRONT GANG TANDEM DISC



ROCKSHAFT & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA10550	Rockshaft	1
2	DRA9645	Wheel Leg Spacer - 7-1/2" Long	2
3	DRA5237	Spindle	4
4	DRA9	Hub c/w Cups	4
5	DR122	Grease Seal - NOK #AF7879E	4
6	DR120	Inner Cone Bearing - #25580	4
7	DR118	Inner Cup #25520	4
8	DR92	Outer Cup #LM48510	4
9	DR91	Outer Cone Bearing #LM48548	4
10		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
11	DR110	1" N.F. Hex Nut	4
12	DR123	Hub Cap	4

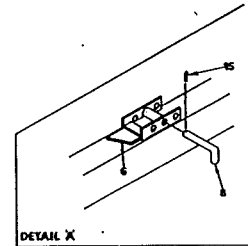
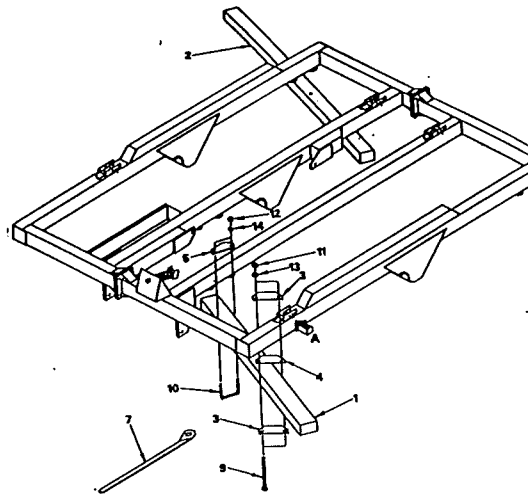
Ref. No.	Part No.	Description	Qty. Req'd
13	DRS261	15" x 8" 6 Hole Rim (11L x 15 Tire)	4
14	DRS227	1-1/4" Ball Joint (Weld-On)	1
15		5/32" x 1-1/4" Cotter Pin	4
16	DR125	9/16" x 1-1/8" N.F. Wheel Stud	24
17		5/8" x 6" N.C. Hex Bolt	20
18		5/8" N.C. Hex Nut	20
19		5/8" Lockwasher	20
20	DRA5245	Lock-Up Strap	1
21	DRA5248	Lock-Up Pin	1
22		1" x 3" N.C. Hex Bolt	1
23		1" N.C. Hex Nut	1
24		1" Lockwasher	1



HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	241	4" x 24" Rockshaft Cylinder	1
2	DL9777	1/2" Street Elbow (Steel)	2
3	DR5252	Cylinder Pin	2
4	H216-1	1/2" x 216" Hose	1
5		1/4" x 1-1/2" Cotter Pin	4
6	H190-1	1/2" x 190" Hose	1

MODEL 1700-1750 HEAVY DUTY OVERLAPPING OFFSET FRONT GANG TANDEM DISC

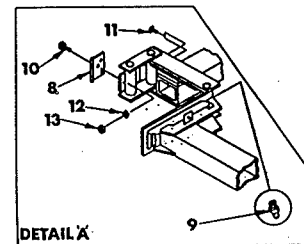
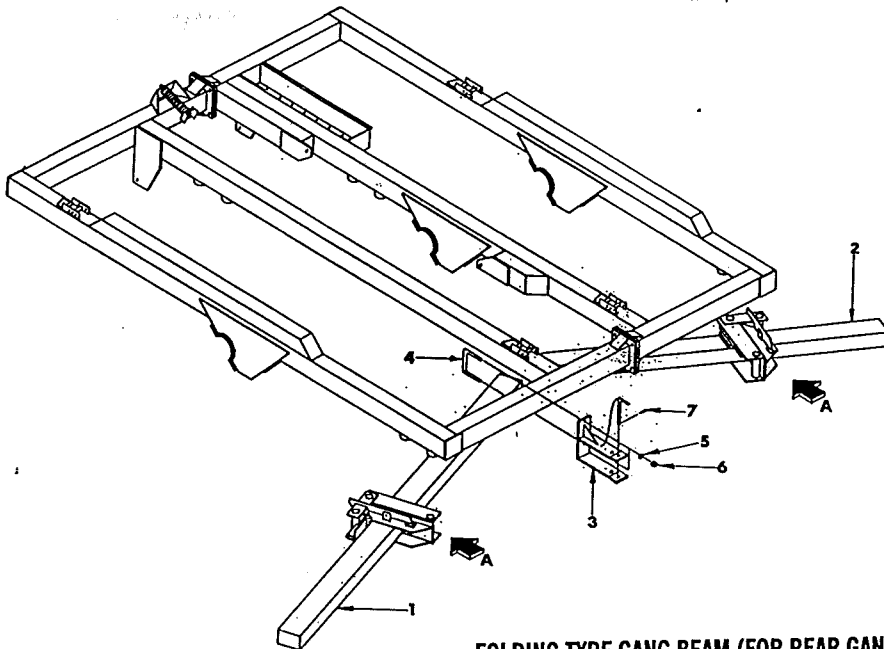


SOLID TYPE GANG BEAMS, THRUST BLOCK & GANG BEAM CLAMP

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS77-5	FRONT GANG BEAM FOR 10-1/2" SPACING - MODEL 1700	2
	DBS86-5	77" Gang Beam - 34 Blade Disc	2
	DBS86-5	86" Gang Beam - 38 Blade Disc	2
	DBS98-5	98" Gang Beam - 42 Blade Disc	2
	DBS110-5	110" Gang Beam - 46 Blade Disc	2
	DBS77-5	FRONT GANG BEAMS FOR 12" SPACING - MODEL 1700	2
	DBS86-5	77" Gang Beam - 30 Blade Disc	2
	DBS86-5	86" Gang Beam - 34 Blade Disc	2
	DBS98-5	98" Gang Beam - 38 Blade Disc	2
	DBS110-5	110" Gang Beam - 42 Blade Disc	2
2	DBS98-5	FRONT GANG BEAM FOR 10-1/2" SPACING - MODEL 1700	2
	DBS110-5	98" Gang Beam - 34 Blade Disc	2
	DBS110-5	110" Gang Beam - 38 Blade Disc	2
	DBS118-5	118" Gang Beam - 42 Blade Disc	2
	DBS130-5	130" Gang Beam - 46 Blade Disc	2
	DBS130-5	REAR GANG BEAM FOR 12" SPACING - MODEL 1700	2
	DBS98-5	98" Gang Beam - 30 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
3	DBS110-5	110" Gang Beam - 34 Blade Disc	2
	DBS124-5	124" Gang Beam - 38 Blade Disc	2
	DBS135-5	135" Gang Beam - 42 Blade Disc	2
4	DG167	Clamp Plate	16
	DG163	Front Gang Beam Shim - Used To Prevent Front Gangs From Ridging. (Not Supplied As Standard Equipment)	*
5	DG160	Thrust Block	4
6	DFA10600	Gang Angle Adjusting Plate - Front L.H. & Rear R.H.	2
7	DFA10601	Gang Angle Adjusting Plate - Front R.H. & Rear L.H.	2
8	DGA5348	Wrench	2
9	DF7215	Gang Angle Locking Pin	4
10	DG18	1-1/4" x 14" N.C. Hex Bolt	16
11		3/4" x 6" U-Bolt	4
12		1-1/4" N.C. Hex Nut	16
13		3/4" N.C. Hex Nut	8
14		2" O.D. x 1-1/32" I.D. x 1/4" Flatwasher	16
15		3/4" Lockwasher	8
		3/16" x 1-1/4" Cotter Pin	4

* As Required

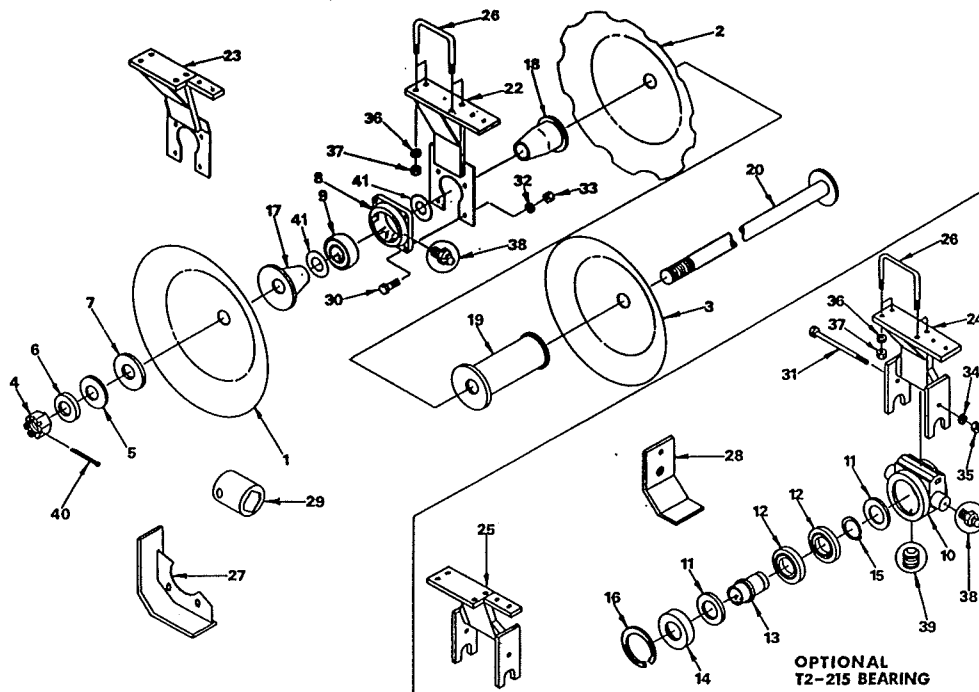


FOLDING TYPE GANG BEAM (FOR REAR GANGS ONLY)

Ref. No.	Part No.	Description	Qty. Req'd
1	DGB10650	69" & 51" Folding Gang Beam - L.H. (For Model 1710 - 42BW)	1
	DGB10652	69" & 62" Folding Gang Beam - L.H. (For Model 1710 - 46BW)	1
	DGB10654	76" & 45" Folding Gang Beam - L.H. (For Model 1712 - 38BW)	1
	DGB10656	76" & 57" Folding Gang Beam - L.H. (For Model 1712 - 42BW)	1
	DGB10651	69" & 51" Folding Gang Beam - R.H. (For Model 1710 - 46BW)	1
	DGB10653	69" & 62" Folding Gang Beam - R.H. (For Model 1710 - 46BW)	1
	DGB10655	76" & 45" Folding Gang Beam - R.H. (For Model 1712 - 38BW)	1
	DGB10657	76" & 57" Folding Gang Beam - R.H. (For Model 1712 - 42BW)	1
3	DWA9754	Gang Beam Support Bracket	2
4	DG18	3/4" x 6" U-Bolt	2

Ref. No.	Part No.	Description	Qty. Req'd
5		3/4" Lockwasher	4
6		3/4" N.C. Hex Nut	4
7	DR129	Hair Pin Cotter	2
8	DWA5630	Butt Plate	2
9	10GN1	1/4" - 28 Grease Fitting	2
10		5/8" x 2-1/4" (N.C.) Carriage Bolt	6
11		5/8" x 2" N.C. Set Screw	4
12		5/8" Lockwasher	6
13		5/8" N.C. Hex Nut	6

MODEL 1700-1750 HEAVY DUTY OVERLAPPING OFFSET FRONT GANG TANDEM DISC



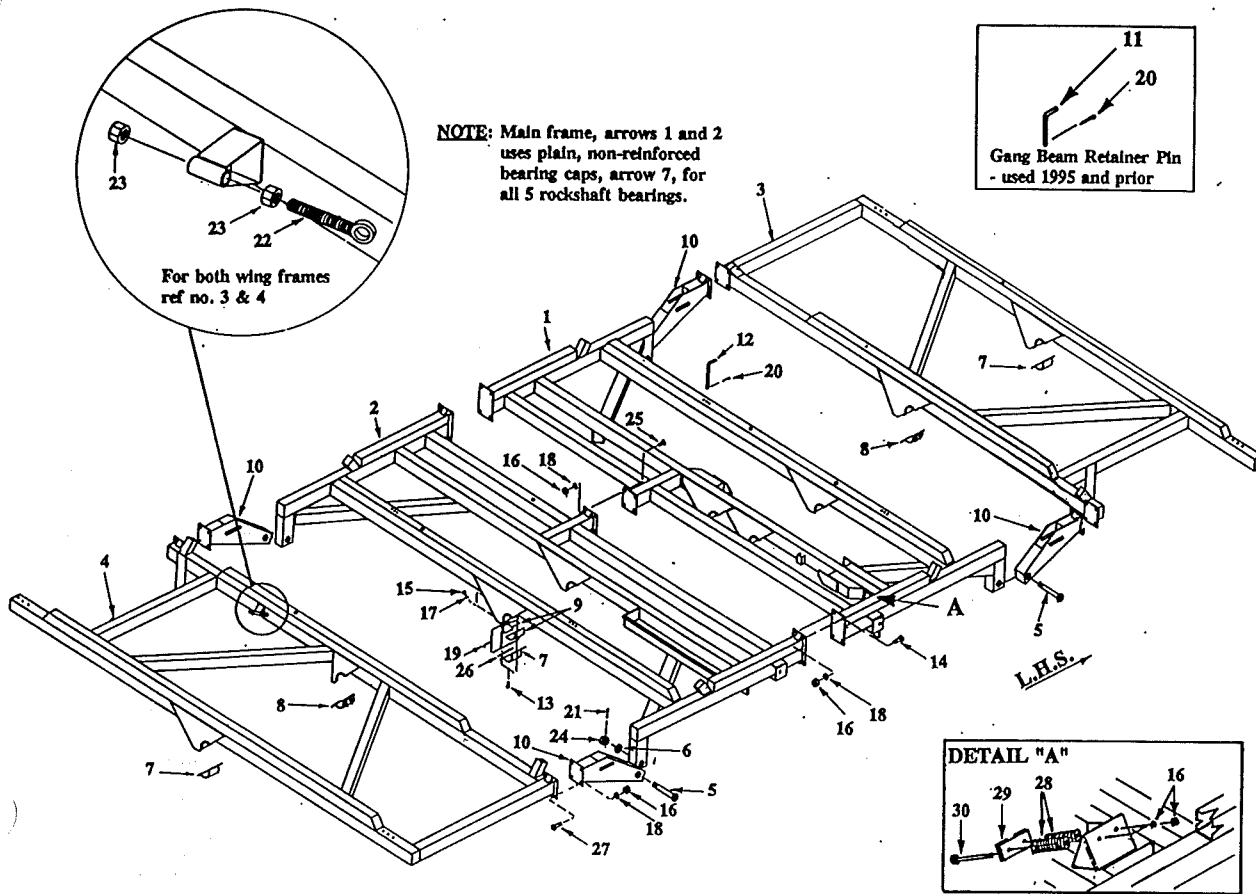
DISC GANG ASSEMBLY - MODEL 1700

Ref. No.	Part No.	Description	Qty. Req'd
1	DG76	24" x 7mm (.275) Plain Disc Blade	*
	DG137	24" x 8mm (5/16") Plain Disc Blade	*
	DG80	26" x 7mm (.275) Plain Disc Blade	*
	DG74	26" x 8mm (5/16") Plain Disc Blade	*
	DG139	24" x 7mm (.275) Cone Disc Blade - Solid	*
	DG141	26" x 7mm (.275) Cone Disc Blade - Solid	*
	DG157	26" x 8mm (5/16") Cone Disc Blade - Solid	*
2	DG138	24" x 8mm (5/16") Notched Disc Blade	*
	DG75	26" x 8mm (5/16") Notched Disc Blade	*
	DG158	26" x 8mm (5/16") Notched Cone Disc Blade	*
	DG61	22" x 7mm (.275) Notched Outrigger Blade	*
3	DG84	16" x 4mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5mm (.197) Plain Outrigger Blade	*
	DG134	20" x 5mm (.197) Plain Outrigger Blade	*
	DG64	22" x 6mm (.236) Plain Outrigger Blade	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG85334	211 Series Housing c/w Bearing & Grease Fitting	*
	DG85335	214 Series Housing c/w Bearing & Grease Fitting	*
	DG109	410 Series Housing c/w Bearing & Grease Fitting - Option	*
9	DG95	211 Series Greaseable Bearing	*
	DG38	214 Series Greaseable Bearing	*
	DG108	410 Series Greaseable Bearing - Option	*
10	DG9900	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, Sleeve, Snap Rings & Cap - Option	*
	DG9901	T2-215 Bearing Housing	*
11	DG9905	T2-215 Bearing Seal	*
12	DG9904	Ball Bearing (#6215)	*
13	DG9906	Sleeve	*
14	DG9902	Bearing Housing Cap	*
15	DG9910	External Snap Ring (Phillip French Sales #D1400-75)	*
16	DG9911	Internal Snap Ring (Phillip French Sales #D1300-130)	*
17	DGA106	10-1/2" Spacing Short Half Spool For 211, 214 & 410 Bearing, 3-1/4" Long (Convex Side) w/6" Washer	*
	DGA110	12" Spacing Short Half Spool For 211, 214 & 410 Bearing, 4-3/4" Long (Convex Side) w/6" Washer	*
	DGA10563	10-1/2" Spacing Short Half Spool For T2-215 Trunion Mounted Bearing, 1-3/8" Long (Convex Side) w/6" Washer	*
	DGA10572	12" Spacing Short Half Spool For T2-215 Trunion Mounted Bearing, 2-7/8" Long (Convex Side) w/6" Washer	*
18	DGA104	10-1/2" & 12" Spacing Long Half Spool For 211 Bearings, 5-15/16" Long (Concave Side)	*
	DGA105	10-1/2" & 12" Spacing Long Half Spool For 214 Bearings, 5-11/16" Long (Concave Side)	*
	DGA103	10-1/2" & 12" Spacing Long Half Spool For T2-215 Trunion Mounted Bearing, 4-3/16" Long (Concave Side)	*
	DGA131	10-1/2" & 12" Spacing Long Half Spool For 410 Bearings, 5-1/4" Long (Concave Side)	*
19	DGA101	10-1/2" Spacing Spool - 6" Diameter One End	*
	DGA111	12" Spacing Spool - 6" Diameter One End	*
20	DGA75	GANG BOLT FOR 10-1/2" SPACING 5 Blade Gang Bolt - 48-1/2" Long	*

Ref. No.	Part No.	Description	Qty. Req'd
20	DGA76	6 Blade Gang Bolt - 60" Long	*
	DGA78	8 Blade Gang Bolt - 81-1/4" Long	*
	DGA79	9 Blade Gang Bolt - 92" Long	*
	DGA80	10 Blade Gang Bolt - 103" Long	*
	DGA81	11 Blade Gang Bolt - 113-3/4" Long	*
	DGA82	12 Blade Gang Bolt - 124-3/4" Long	*
	DGA114	GANG BOLT FOR 12" SPACING 4 Blade Gang Bolt - 43-1/4" Long	*
	DGA87	5 Blade Gang Bolt - 55-1/2" Long	*
	DGA115	6 Blade Gang Bolt - 67-3/4" Long	*
	DGA69	7 Blade Gang Bolt - 80" Long	*
	DGA79	8 Blade Gang Bolt - 92" Long	*
	DGA118	9 Blade Gang Bolt - 104-3/4" Long	*
	DGA78	10 Blade Gang Bolt - 117" Long	*
	DGA120	11 Blade Gang Bolt - 129" Long	*
21	DGA35	Socket Wrench	*
22	DGA5315	R.H. Bearing Hanger - 211 Series Bearing	*
	DGA5317	L.H. Bearing Hanger - 211 Series Bearing	*
	DGA5318	R.H. Bearing Hanger - 214 & 410 Series Bearing	*
	DGA5319	L.H. Bearing Hanger - 214 & 410 Series Bearing	*
23	DGA5320	R.H. 2" Offset Bearing Hanger - 211 Series Bearing	*
	DGA5321	L.H. 2" Offset Bearing Hanger - 211 Series Bearing	*
	DGA5322	R.H. 2" Offset Bearing Hanger - 214 & 410 Series Bearing	*
	DGA5323	L.H. 2" Offset Bearing Hanger - 214 & 410 Series Bearing	*
24	DGA10566	R.H. Trunion Mounted Bearing Hanger	*
	DGA10567	L.H. Trunion Mounted Bearing Hanger	*
	DGA10568	R.H. 2" Offset Trunion Mounted Bearing Hanger	*
	DGA10569	L.H. 2" Offset Trunion Mounted Bearing Hanger	*
26	DG53	U-Bolt - 7/8" x 6-3/8" Long	*
27	DGA37	R.H. Sand Guard For 211 Series Bearing (California Only)	*
	DGA38	L.H. Sand Guard For 211 Series Bearing (California Only)	*
	DGA39	R.H. Sand Guard For 214 & 410 Series Bearing (California Only)	*
	DGA40	L.H. Sand Guard For 214 & 410 Series Bearing (California Only)	*
28	DF10590	Sand Guard For T2-215 Bearing (California Only)	*
30		1/2" x 1/2" N.C. Hex Bolt - 211 Series Bearing	*
		1/2" x 2-1/4" N.C. Bolt - 211 Series Bearing w/Sand Guard	*
		5/8" x 2-1/4" N.C. Hex Bolt - 214 & 410 Series Bearing	*
		5/8" x 2-1/2" N.C. Hex Bolt - 214 & 410 Series Bearing w/Sand Guard	*
31		5/8" x 10" N.C. Hex Bolt	*
32		1/2" Lockwasher - 211 Series Bearing	*
		5/8" Lockwasher - 214 & 410 Series Bearing	*
33		1/2" N.C. Hex Nut - 211 Series Bearing	*
		5/8" N.C. Hex Nut - 214 & 410 Series Bearing	*
34		5/8" Lockwasher	*
35		5/8" N.C. Hex Nut	*
36		7/8" Lockwasher	*
37		7/8" N.C. Hex Nut	*
38	10GN1	1/4 - 28 Grease Fitting	*
39	DG9912	Set Screw	*
40		3/8" x 3" Cotter Pin	*
41	DG236	211 Bearing Shield	*
	DG237	214 Bearing Shield	*

* As Required

MODEL 1800-3800 DISC

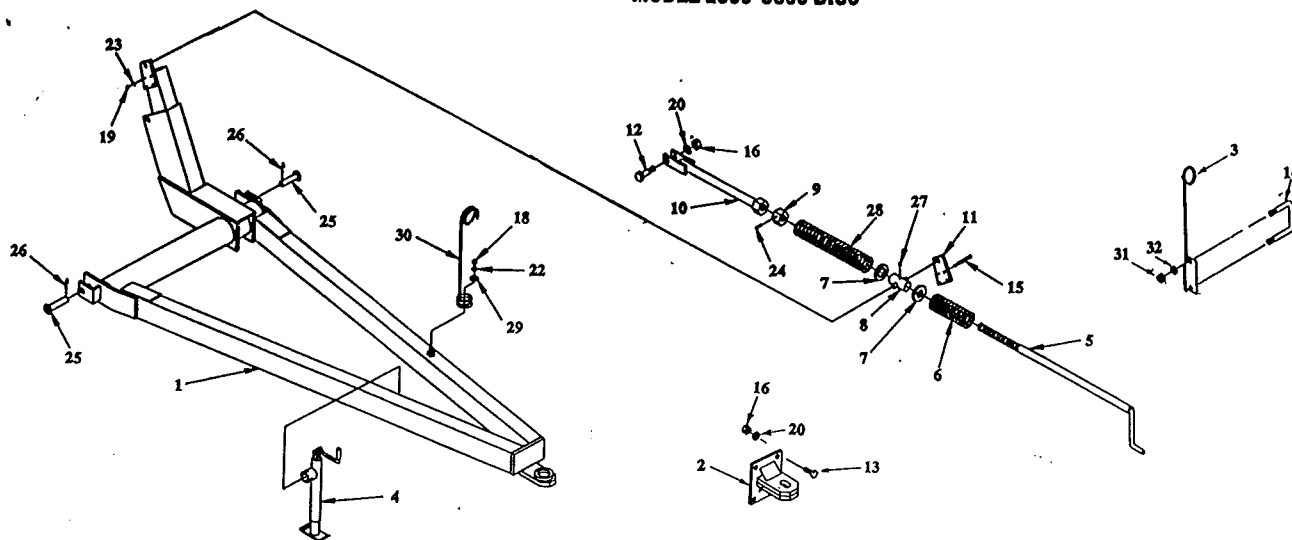


FRAME & WING LIFT BRACKET

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFB9539	L.H. Main Frame Half c/w Three Rockshaft Bearing Caps, Ref. #7, And Gang Retainer Pin, Ref. #12. For Discs With Serial Number Under 1800-83-018301, The R.H. Half Number DFB9515 Must Also Be Ordered. For Discs With Serial Number 1800-83-018301 And Over, Main Frame Halves Can Be Purchased Separately.	1	10	DFA9585	Wing Lift Hinge Bracket	4
2	DFB9515	R.H. Main Frame Half c/w Two Rockshaft Bearing Caps, Ref. #7, And Gang Retainer Pin, Ref. #12. For Discs With Serial Number Under 1800-83-108301, And L.H. Half Number DFB9539 Must Also Be Ordered. For Discs With Serial Number 1800-83-018301 And Over, Main Frame Halves Can Be Purchased Separately.	1	11	DF37	Gang Beam Retainer Pin - Short (For Both Wing Ref. #3 And 4) - Used 1995 And Prior	4
3	DWB9569	L.H. Wide Wing Frame - 82" Overall Width c/w Two Rockshaft Bearing Caps, Ref. #7 And 8, Gang Retainer Pins, Ref. #11, And Cylinder Lug I-bolt, Ref. #22. (For 41-1/2", 42", 43", 44", 45", 47", 47-1/2", And 48" Models)	1	12	DF9567	Gang Beam Retainer Pin - Long (For Centre Frame Halves Ref. #1 And 2) - Used 1995 And Prior	4
	DWB9579	L.H. Narrow Wing Frame - 56" Overall Width c/w Two Rockshaft Bearing Caps, Ref. #7 And 8, Gang Retainer Pins, Ref. #11, And Cylinder Lug I-bolt, Ref. #22. (For Models 41" And Smaller)	1	13		3/4" x 2-1/2" N.C. Hex. Bolt	18
4	DWB9553	R.H. Wide Wing Frame - 82" Overall Width c/w Two Rockshaft Bearing Caps, Ref. #7 And 8, Gang Retainer Pins, Ref. #11, And Cylinder Lug I-bolt, Ref. #22. (For Models 41-1/2", 42", 43", 44", 45", 47", 47-1/2", And 48" Models)	1	14		1" x 2-1/2" N.C. Hex. Bolt (For Discs Prior To Serial #1800-83-018301)	8
	DWB9572	R.H. Narrow Wing Frame - 56" Overall Width c/w Two Rockshaft Bearing Caps, Ref. #7 And 8, Gang Retainer Pins, Ref. #11, And Cylinder Lug I-bolt, Ref. #22. (For Models 41" And Smaller)	1			1" x 3-1/4" N.C. Hex Bolt (For Discs With Serial #1800-83-018301 And Up)	8
	DFA9594	Hinge Bolt	4	15		3/4" N.C. Hex. Nut	18
	DH3	Washer	4	16		1" N.C. Hex. Nut	28
7	DFA5041	Rockshaft Bearing Cap - Plain, Non-reinforced Type	7	17		3/4" Lockwasher	18
8	DFA5080	Rockshaft Bearing Cap - Reinforced Type	2	18		1" Lockwasher	28
9	DRS259	Rockshaft Bearing Liner Half	18	19	DRS260	1/4" - 28 - 45 Degree Grease Fitting - Top	9
					10GN1	1/4" - 28 - Straight Grease Fitting - Bottom	9
				20		1/4" x 1-1/4" Cotter Pin - Used 1995 And Prior	8
				21	DG83	3/8" x 3" Cotter Pin	4
				22	DFA9564	1-1/4" N.C. I-bolt Cylinder Lug (For Both Wing Frames Ref. #3 And 4)	2
				23		1-1/4" N.C. Hex. Nut	4
				24	DG82	2" N.C. Slotted Hex. Nut	4
				25		1" x 3" N.C. Hex. Bolt	4
				26	DF5063	Rockshaft Bearing Cap Shim	45
				27		1" x 3-1/4" N.C. Hex Bolt	16
				28	DC9615	10-7/8" Long Compression Spring	2
				29	DFA10047	Spring Cushion Plate	4
				30		1" x 14" N.C. Hex. Bolt	2
				31	DW9578	Shim, 2" x 10"	*
				32	DW9577	2" I.D. x 3/16" Rear Hinge Arm Shim Washer	*

* As Required

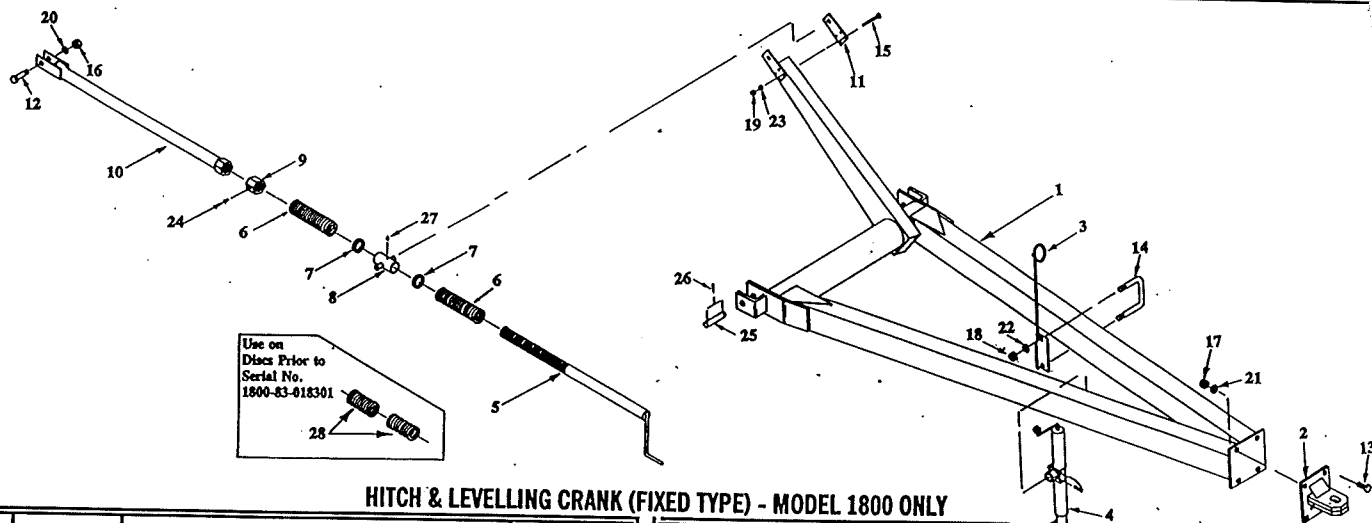
MODEL 1800-3800 DISC



HITCH & LEVELLING CRANK (FLOAT TYPE) - MODEL 3800 ONLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DHB9950	Hitch c/w Levelling Arm Lug, Ref. #12, Two Pins, Ref. #26, And Four 1" x 2-1/2" Bolts C/w Nuts And Lockwashers	1
2	DHA5179	Male Hitch - Used 1995 And Prior	1
3	DHA5161	Hose Support (Used 1993 And Prior) - Order Spring Coil Type #DH9961 (Requires 5/8" x 1-1/2" Bolt To Be Welded To Top Of Hitch - Spring Coil Type Support Is Secured To Bolt With 5/8" Nut, Flatwasher And Lockwasher)	1
4	DHB5170	Hitch Jack	1
5	DCA9970	Levelling Crank (50")	1
6	DC9615	Compression Spring (10-7/8" Long)	1
7	DC15	Thrust Bearing - Timken #T199	2
8	DCA5184	Bearing Tube - Levelling Crank	1
9	DH5	2" N.C. Heavy Hex. Nut - Drilled For Set Screw	1
10	DCA5181	Levelling Link	1
11	DH5146	Levelling Arm Lug	1
12	DH5215	1-1/4" x 4-3/4" Hex. Bolt (Special)	1
13		1" x 2-1/2" N.C. Hex Bolt - Used 1995 And Prior	4
14	DG18	3/4" x 6" U-bolt - Used 1993 And Prior	1

Ref. No.	Part No.	Description	Qty. Req'd
15		1/2" x 5" N.C. Hex. Bolt	4
16		1-1/4" N.C. Hex. Nut	1
17		1" N.C. Hex Nut - Used 1995 And Prior	4
18		5/8" N.C. Hex. Nut	3
19		1/2" N.C. Hex. Nut	4
20		1-1/4" Lockwasher	1
21		1" Lockwasher - Used 1995 And Prior	4
22		5/8" Lockwasher	3
23		1/2" Lockwasher	4
24		1/2" x 1" N.C. Square Head Set Screw	1
25	DH9605	Hitch Pin - 1-1/2" Dia. x 5-1/8" Long	2
26	DH12517	7/16" x 1-7/16" Lynch Pin	2
27	10GN1	1/4" - 28 Grease Fitting	1
28	DC9618	Compression Spring - 21-3/8" Long	1
29		11/16" I.D. x 1-3/4" O.D. Flatwasher	1
30	DH9961	Hose Support - Spring Coil Type	1
31		3/4" N.C. Hex Nut - Used 1993 And Prior	1
32		3/4" Lockwasher - Used 1993 And Prior	1

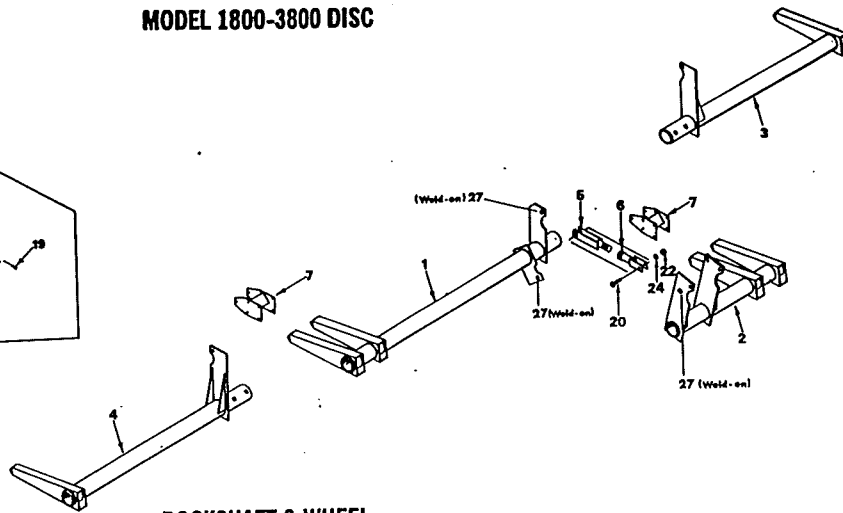
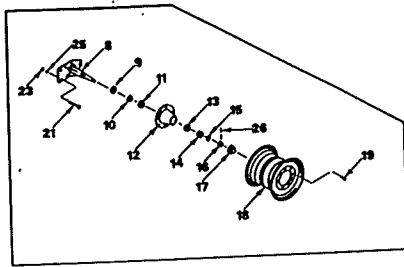


HITCH & LEVELLING CRANK (FIXED TYPE) - MODEL 1800 ONLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DHB9596	Hitch c/w Levelling Arm Lug, Ref. #12, Two Pins, Ref. #26, And Four 1" x 2-1/2" Bolts c/w Nuts And Lockwashers	1
2	DHA5179	Male Hitch	1
3	DHA7064	Hose Support - Order Spring Coil Type #DH9961 (Requires 5/8" x 1-1/2" Bolt To Be Welded To Top Of Hitch - Spring Coil Type Support Is Secured To Bolt With 5/8" Nut, Flatwasher And Lockwasher)	1
4	DHB5170	Hitch Jack (Optional)	1
5	DCA9607	Levelling Crank (43")	1
6	DC9615	Compression Spring, 10-7/8" Long - For Levelling Link. Two #DC5187 Spring, 5" Long May Be Used Instead Of One Long Spring. (Spring No. C9615 Used After Serial #1800-83-018301)	2
7	DC15	Thrust Bearing - Timken #T199	2
8	DCA5184	Bearing Tube - Levelling Crank	1
9	DH5	2" N.C. Heavy Hex. Nut - Drilled For Set Screw	1
10	DCA9609	Levelling Link	1
11	DH5146	Levelling Arm Lug	1

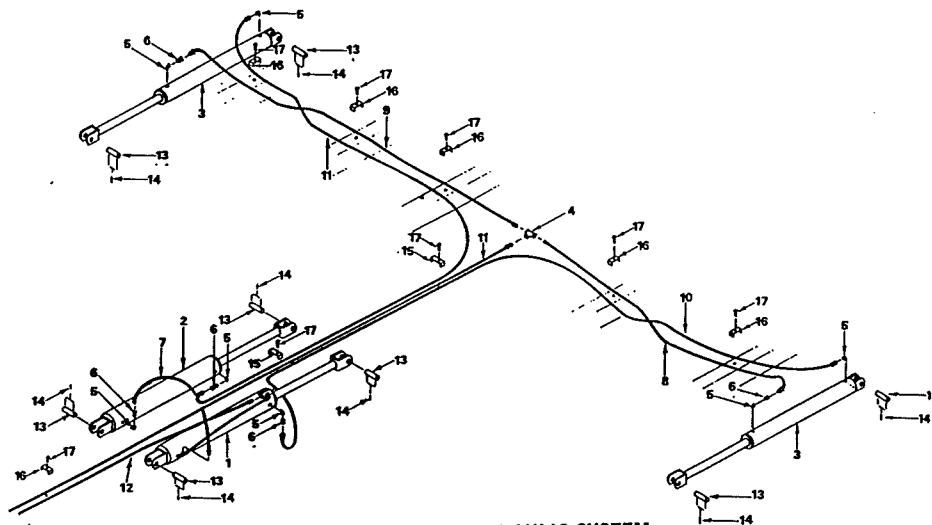
Ref. No.	Part No.	Description	Qty. Req'd
12	DH5215	1-1/4" x 4-3/4" Hex Bolt (Special)	1
13		1" x 2-1/2" N.C. Hex Bolt	4
14	DG18	3/4" U-bolt	1
15		1/2" x 5" N.C. Hex. Bolt	4
16		1-1/4" N.C. Hex. Nut	1
17		1" N.C. Hex Nut	4
18		3/4" N.C. Hex. Nut	2
19		1/2" N.C. Hex. Nut	4
20		1-1/4" Lockwasher	1
21		1" Lockwasher	4
22		3/4" Lockwasher	2
23		1/2" Lockwasher	4
24		1/2" x 1" N.C. Square Head Set Screw	1
25	DHA9605	Hitch Pin - 1-1/2" Dia. x 5-1/8" Long (Also Order Lynch Pin #DH12517)	2
26		1/4" x 2" Cotter Pin (Not Used On Replacement Pin #DH9605)	4
27	10GN1	1/4" - 28 Grease Fitting	1
28	DC5187	Compression Spring - Used On Discs Prior To Serial #1800-83-018301	4

MODEL 1800-3800 DISC



ROCKSHAFT & WHEEL

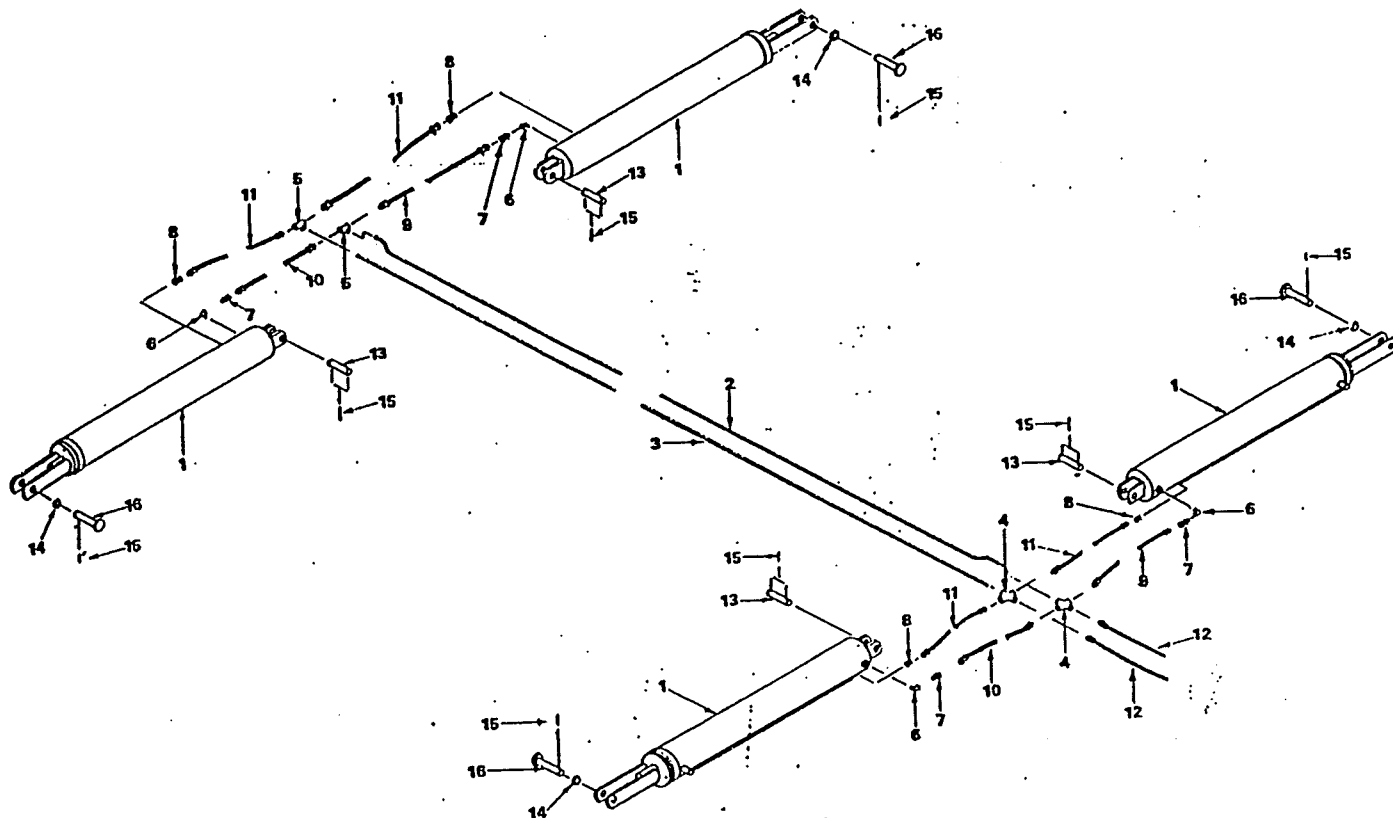
Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DRA9623	R.H. Main Frame Rockshaft - 108" Long	1	16	DR110	1" N.F. Hex. Slotted Nut	6
2	DRA9629	L.H. Main Frame Rockshaft - 53-1/2" Long	1	17	DR9681	Hub Cap	6
3	DRA9638	L.H. Wide Wing Frame Rockshaft - 90" Long	1	18	DR9688	W14C x 16.1 - 8 Bolt Wheel	6
	DRA9640	L.H. Narrow Wing Frame Rockshaft - 64" Long	1		DR9668	14.00 x 19.5 - 8 Bolt Wheel (Optional) - Used On Center Frame Wheels Only	4
4	DRA9633	R.H. Wide Wing Frame Rockshaft - 90" Long	1	19	DR9671	9/16" x 1-11/16" N.F. Wheel Stud	48
	DRA9643	R.H. Narrow Wing Frame Rockshaft - 64" Long	1	20	DR5215	1-1/4" x 4-3/4" N.C. Hex. Bolt	2
5	DRA9620	Male Half - Rockshaft Link	1	21	DR9670	9/16" - 18 2A UNF Hex. Lock Nut	30
6	DRA5210	Female Half - Rockshaft Link	1	22		3/4" x 6-1/2" N.C. Hex. Bolt	2
7	DRA9645	Wheel Leg Spacer - 7-1/2" Long	2	23		1-1/4" N.C. Hex. Nut	30
8	DRA9677	Spindle	6	24		3/4" N.C. Hex. Nut	2
9	DR9680	Grease Seal	6	25		1-1/4" Lockwasher	30
10	DR9684	Inner Cone Brg. #4T-3780	6	26		3/4" Lockwasher	6
11	DR9682	Inner Cup #4T-3120	6	27		3/16" x 1-1/4" Cotter Pin	3
12	DRA9679	Hub c/w Cups - 8 Bolt	6	28	DR5227	1-1/4" Ball Joint (Weld-on)	2
13	DR9683	Outer Cup - 4T2720	6	29	DR9686	Backing Plate (For Wing Rockshaft Only)	
14	DR9685	Outer Cone Brg. #4T-2790	6				
15		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	6				



ROCKSHAFT CYLINDER HYDRAULIC SYSTEM

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	207	4" x 24" Depth Control Main Rockshaft Cylinder c/w Depth Control Stop, Less Flo-valve, Fittings And Hose	1
2	206	4" x 24" R.H. Main Rockshaft Cylinder	1
3	203	3-1/2" x 24" Wing Rockshaft Cylinder	2
4	DL5274	1/2" Tee (Steel)	1
5	DL5271	1/2" x 90 Degree Street Elbow (Steel)	1
6	DC27	1/2" Male-Female Swivel Adapter	5
7	H25-1	1/2" x 25" Hose	1
8	H120-1	1/2" x 120" Hose	1
9	H186-1	1/2" x 186" Hose	1
10	H198-1	1/2" x 198" Hose	1
11	H276-1	1/2" x 276" Hose	1
12	H240-1	1/2" x 240" Hose	1
	DR5252	1-1/4" Dia. x 4-1/8" Long Cylinder Pin	8
		1/4" x 1-1/2" Cotter Pin	16
	DL9770	3 Hose Hold Down Clip - For 1/2" Hose	2
16	DL9766	2 Hose Hold Down Clip - For 1/2" Hose	7
17		1/2" x 1" N.C. Hex. Bolt	6
18	DL9775	1/2" x 90 Degree Swivel Elbow (Male-Female)	1
19	H300-1	1/2" x 300" Hose	

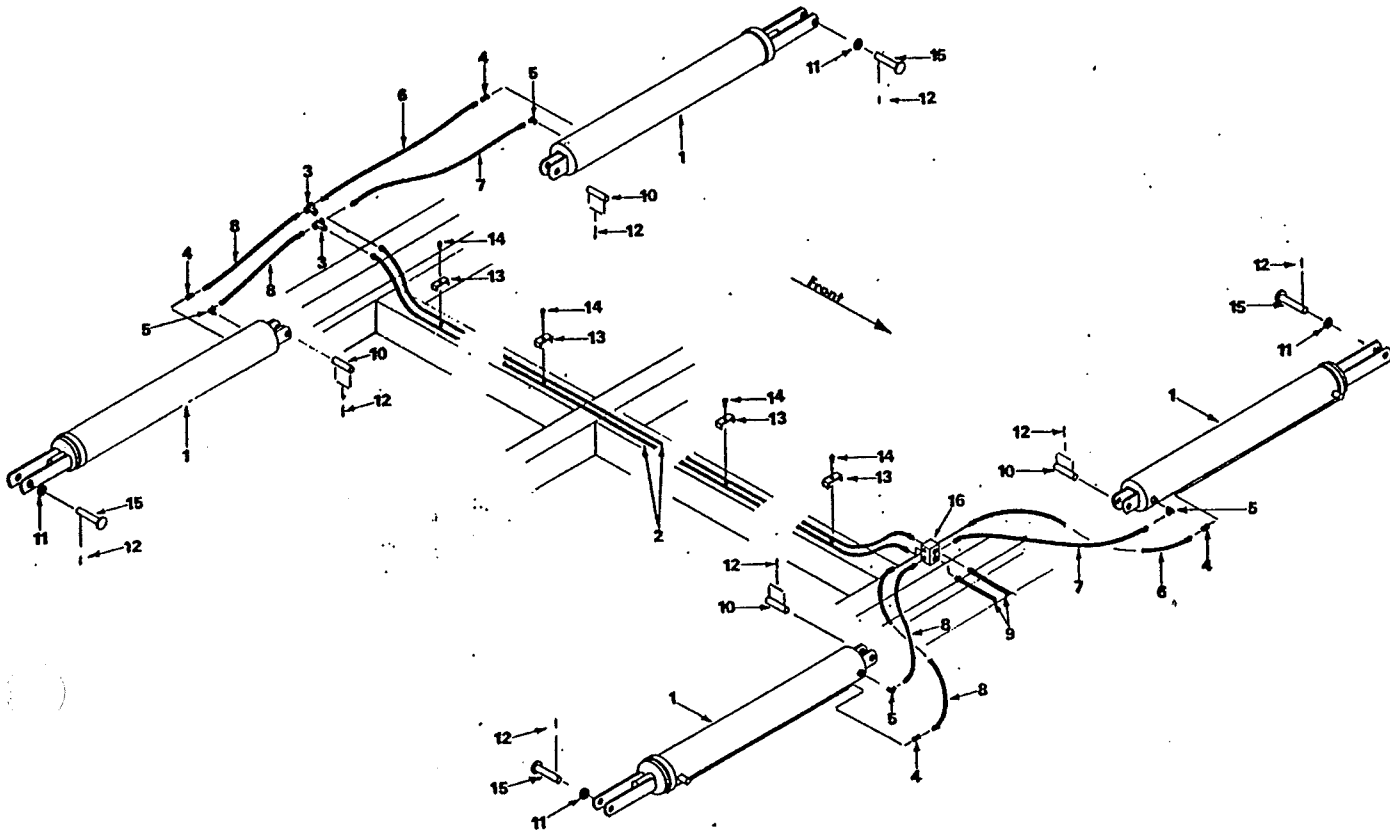
MODEL 1800-3800 DISC



WING LIFT HYDRAULIC SYSTEM(USED PRIOR TO SERIAL NO. 1800-83-018301) - MODEL 1800 ONLY

REF. NO.	PART NO.	DESCRIPTION	QTY. REQD
1	242	5" x 36" Wing Lift Cylinder Note: If New 5" x 36" Cylinder Is Ordered, Hose #H30 (Item 11) Must Be Extended	4
2	DL9772	Oil Line - 3/8" Std. Black Pipe - Formed On Both Ends	1
3	DL9773	Oil Line - 3/8" Std. Black Pipe	1
4	DL9765	3/8" x 3/8" x 3/8" x 1/2" - 4 Way Cross	1
5	DL5282	3/8" Tee	2
6	L1618	3/8" Street Elbow	2
7	L1619	3/8" Male-Female Swivel	4
8	L29	3/8" Female Swivel	4
9	H19	3/8" x 19" Hose	4
10	H23	3/8" x 23" Hose	2
11	H30	3/8" x 30" Hose	2
12	H156-1	1/2" x 156" Hose	4
13	DR5252	Cylinder Pin - 1-1/4" Dia. x 4-1/8" Long	2
14	DF5068	1-5/16" I.D. x 2" O.D. Spacer Washer	4
15		1/4" x 1-1/2" Cotter Pin	8
16	DFA9511	Cylinder Pin - 1-1/4" Dia. x 6-1/4" Long	12

MODEL 1800-3800 DISC



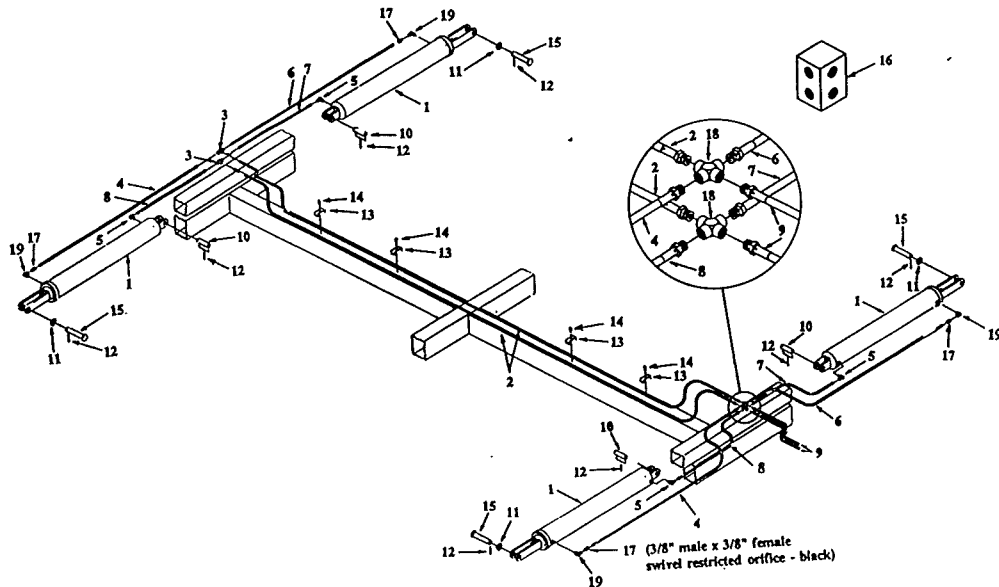
WING LIFT HYDRAULIC SYSTEM (USED AFTER SERIAL NO. 1800-83-018301 AND UP TO SERIAL NO. 3800-87-21311) - MODEL 3800 ONLY

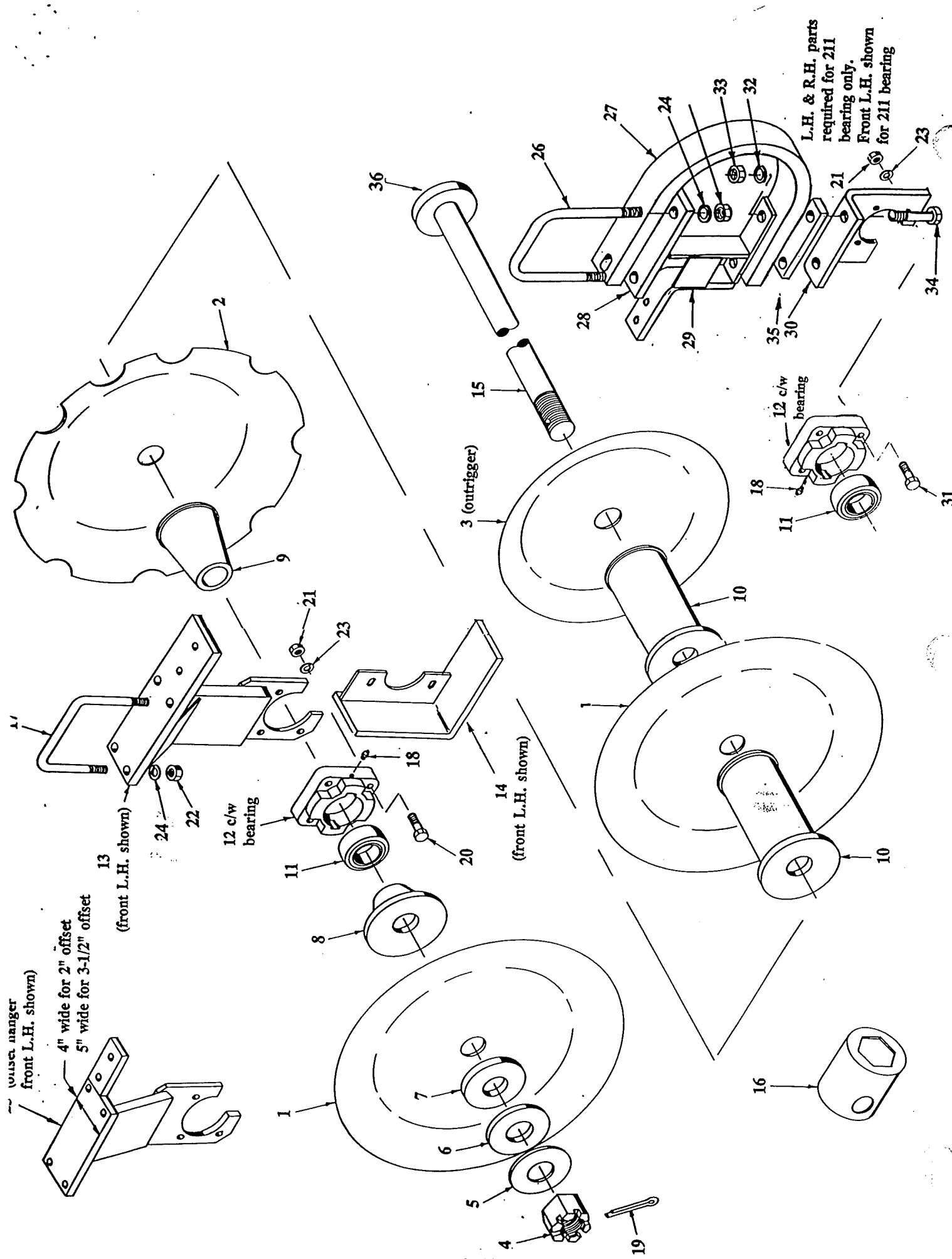
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1:	242	5" x 36" Wing Lift Cylinder Note: If New 5" X 36" Cylinder Is Ordered, Shaft End Port Hoses #H42 And #H23 Will Have To Be Extended	4
2	H216	3/8" x 216" Hose	2
3	DL9767	3/8" Swivel Tee	2
4	L29	3/8" Female Swivel	4
5	DL9769	3/8" x 90 Degree Male-Female Swivel Elbow	4
6	H42	3/8" x 42" Hose	2
7	H36	3/8" x 36" Hose	2
8	H23	3/8" x 23" Hose	4
9	H156-1	1/2" x 156" Hose	2
10	DR5252	Cylinder Pin - 1-1/4" Dia. x 4-1/8" Long	4
11	DF5068	1-5/16" I.D. x 2" O.D. Washer	8
12		1/4" x 1-1/2" Cotter Pin	12
13	DF9771	2 Hose Hold Down Clip - For 3/8" Hose	4
14		1/2" x 3/4" N.C. Hex Bolt	4
15	DF9511	Cylinder Pin - 1-1/4" Dia. x 6-1/4" Long	4
16	DL9774	Hydraulic Block (Weld-on) (Order Two Of 3/8" x 3/8" x 3/8" x 3/8" Cross No. DL9761)	1

MODEL 1800-3800 DISC

WING LIFT HYDRAULIC SYSTEM (FOR DISCS WITH SERIAL NO. 3800-87-21311 AND UP)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	242	5" x 36" Wing Lift Cylinder	4
2	H216	3/8" x 216" Hyd. Hose	2
3	DL5282	3/8" Tee (Steel)	2
4	H57	3/8" x 57" Hose	2
5	DL9769	3/8" x 90 Degree Male-Female Swivel Elbow	4
6	H76	3/8" x 76" Hose	2
7	H36	3/8" x 36" Hose	2
8	H23	3/8" x 23" Hose	2
9	H168-1-3	3/8" x 168" Hose (One 1/2" End, One 3/8" End)	4
10	DR5252	Cylinder Pin - 1-1/4" Dia. x 4-1/8" Long	8
11	DF5068	1-5/16" I.D. x 2" O.D. Washer	12
12		1/4" x 1-1/4" Cotter Pin	4
13	L9771	2 Hose Hold Down Clip - For 3/8" Hose	4
14		1/2" x 3/4" N.C. Hex Bolt	4
15	DFA9511	Cylinder Pin - 1-1/4" Dia. x 6-1/4" Long	1
16	DL9774	Hydraulic Block (Weld-On) - Used Prior To 1995 (Order Two Of 3/8" x 3/8" x 3/8" x 3/8" Cross No. DL9761)	1
17	DL5279	3/8" Male-Female Swivel Adapter (0.62 Orifice)	4
18	DL9761	3/8" Cross (Steel) - Used 1995 And Later	2
19	DL9779	3/8" x 90 Degree Street Elbow (Steel)	4





L.H. & R.H. parts
 required for 211
 bearing only.
 Front L.H. shown
 for 211 bearing

OPTIONAL SPRING HANGER

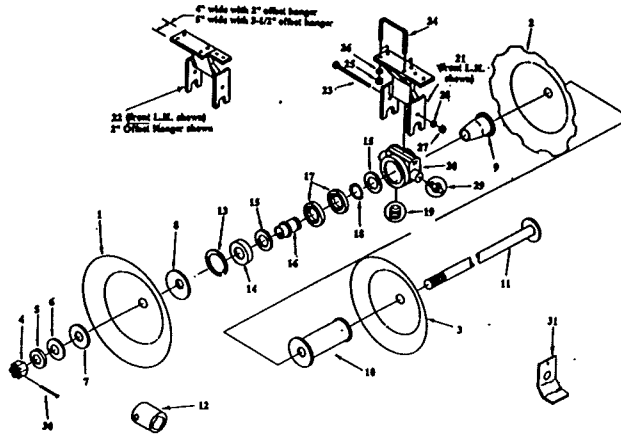
MODEL 1800-3800 DISC

DISC GANG(FOR DISCS WITH 214, OR 410 SERIES BEARING ONLY)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG76	24" x 7mm (.275") Plain Disc Blade	*		DGA114	GANG BOLT FOR 1 1/2" SPACING	*
	DG137	24" x 8mm (.516") Plain Disc Blade	*		DGA115	4 Blade Gang Bolt - 43-1/4" Long	*
	DG80	26" x 7mm (.275") Plain Disc Blade	*		DGA79	6 Blade Gang Bolt - 67-3/4" Long	*
	DG74	26" x 8mm (.516") Plain Disc Blade	*		DGA118	8 Blade Gang Bolt - 92" Long	*
	DG107	26" x 9mm (.354") Plain Disc Blade	*		DGA78	9 Blade Gang Bolt - 104-3/4" Long	*
	DG139	24" x 7mm (.275") Cone Disc Blade - Solid	*		DGA120	10 Blade Gang Bolt - 117" Long	*
	DG141	26" x 7mm (.275") Cone Disc Blade - Solid	*		DGA35	11 Blade Gang Bolt - 129" Long	*
	DG157	26" x 8mm (.516") Cone Disc Blade - Solid	*	16	DGA35	Socket Wrench	*
2	DG138	26" x 8mm (.516") Notched Disc Blade	*	17	DGS314	U-bolt 7/8" x 6-3/8" Long - Use On Standard Hangers. For Spring Shank Hangers, Use Part #DGS325	*
	DG75	26" x 8mm (.516") Notched Disc Blade	*			1/4" - 28" Grease Nipple	*
	DG87	26" x 9mm (.354") Notched Disc Blade	*	18	10GN1	7/16 x 3" Lock Pin	*
	DG158	26" x 8mm (.516") Cone Disc Blade - Notched	*	19	DG10310	1/2" x 2" N.C. Hex Bolt - 211 Series Bearing (Model 1800 ONLY)	*
	DG159	26" x 9mm (.354") Cone Disc Blade - Notched	*	20		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing (If Sand Guards Are Used) (Model 1800 ONLY)	*
3	DG84	16" x 4mm (.157") Plain Outrigger Blade	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 And 410 Series Bearing	*
	DG133	18" x 5mm (.197") Plain Outrigger Blade	*			5/8" x 2-1/2" N.C. Hex Bolt - 214 And 410 Series Bearing (If Sand Guards Are Used)	*
	DG134	20" x 5mm (.197") Plain Outrigger Blade	*	21		5/8" N.C. Hex Nut - For 211 Series Bearing	*
	DG64	22" x 6mm (.236") Plain Outrigger Blade	*			1/2" N.C. Hex Nut - For 214 And 410 Series Bearing (Model 1800 ONLY)	*
4	DG82	2" N.C. Heavy Hex. Slotted Nut	*	22		7/8" N.C. Hex. Nut	*
5	DG89	1/4" Shim Washer	*	23		1/2" Lockwasher - For 211 Series Bearing	*
6	DG88	1/2" Shim Washer	*	24		5/8" Lockwasher - For 214 And 410 Series Bearing	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*	25	DGA5320	7/8" Lockwasher	*
8	DGA106**	9" x 10-1/2" Spacing Short Half Spool For 211, 214, And 410 Bearings. 3-1/4" Long (Convex Side) w/6" Washer	*		DGA5321	Front R.H., Rear L.H. Offset Hanger - 211 Series Hanger, 2" Offset (Model 1800 ONLY)	*
	DGA110**	12" Spacing Short Half Spool For 211, 214, And 410 Bearings. 4-3/4" Long (Convex Side) w/6" Washer	*		DGA5322	Front R.H., Rear L.H. Offset Hanger - 211 Series Hanger, 2" Offset (Model 1800 ONLY)	*
9	DGA102	9" Spacing Long Half Spool For 211 Bearings. 4-7/16" Long (Concave Side) (Model 1800 ONLY)	*		DGA5323	Front R.H., Rear L.H. Offset Hanger - 214 And 410 Series Hanger, 2" Offset	*
	DGA103	9" Spacing Long Half Spool For 214 Bearings. 4-3/16" Long (Concave Side)	*		DGA9080	Front L.H., Rear R.H. Offset Hanger - 211 Series Hanger, 3-1/2" Offset (Model 1800 ONLY)	*
	DGA104	10-1/2" & 12" Spacing Long Half Spool For 211 Bearings. 5-15/16" Long (Concave Side)	*		DGA9081	Front R.H., Rear L.H. Offset Hanger - 211 Series Hanger, 3-1/2" Offset (Model 1800 ONLY)	*
	DGA105	10-1/2" & 12" Spacing Long Half Spool For 214 Bearings. 5-11/16" Long (Concave Side)	*		DGA9082	Front L.H., Rear R.H. Offset Hanger - 214 And 410 Series Hanger, 3-1/2" Offset	*
	DGA136	Spool, Spacing Long Half, 410 Series, 5 Dia. x 3-11/16", 9" Spacing	*		DGA9083	Front R.H., Rear L.H. Offset Hanger - 214 And 410 Series Hanger, 3-1/2" Offset	*
	DGA131	Spool, Spacing Long Half, 410 Series, 5 Dia. x 5-1/4", 10-1/2" & 12" Spacing	*	26	DGS325	7/8" U-bolt x 7-5/8" Long (Stone Flex Hanger)	*
10	DGA100	9" Spacing Spool - 6" Dia. One End	*	27	DGS313	Spring Shank - 1-1/4" x 2-1/2" (Stone Flex Hanger)	*
	DGA101	10-1/2" Spacing Spool - 6" Dia. Both End	*	28	DGA5328	Backing Plate (Stone Flex Hanger)	*
	DGA111	12" Spacing Spool - 6" Dia. Both End	*	29	DGA5333	Scraper Bar Support Bracket - For Standard Stone Flex Hanger (Shown) And 1-1/2" Offset Brackets For Discs w/26" Cone Blades On 10-1/2" and 12" Spacing Or 24" Cone Blades On 9" Spacing	*
11	DG95	211 Series Greaseable Bearing - Inner Ring Width 1-5/16" (Model 1800 ONLY)	*		DGA5336	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used On Front L.H. Gang Or Rear R.H. Gang	*
	DG38	214 Series Greaseable Bearing - Inner Ring Width 1-5/8"	*		DGA5337	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used On Front R.H. Gang Or Rear L.H. Gang	*
	DG108	410 Series Greaseable Bearing - Inner Ring Width 2-1/8"	*	30	DGS342	L.H. Mounting Bracket For 211 Series - Std. Stone Flex Hanger (Model 1800 ONLY)	*
12	DGB5334	211 Housing c/w Bearing And Grease Fitting (Model 1800 ONLY)	*		DGS343	R.H. Mounting Bracket For 211 Series - Std. Stone Flex Hanger (Model 1800 ONLY)	*
	DGB5335	214 Housing c/w Bearing And Grease Fitting	*		DGA5344	L.H. Mounting Bracket For 211 Series - 2" Offset Stone Flex Hanger (Model 1800 ONLY)	*
	DG109	410 Housing c/w Bearing And Grease Fitting	*		DGA5345	R.H. Mounting Bracket For 211 Series - 2" Offset Stone Flex Hanger (Model 1800 ONLY)	*
13	DGA5315	Front L.H., Rear R.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-bolt (Model 1800 ONLY)	*		DGA5374	L.H. Mounting Bracket For 211 Series - 1-1/2" Offset Stone Flex Hanger (Model 1800 ONLY)	*
	DGA5317	Front R.H., Rear L.H. Bearing Hanger - 211 Series Bearing Uses 7/8" x 6" U-bolt (Model 1800 ONLY)	*		DGA5375	R.H. Mounting Bracket For 211 Series - 1-1/2" Offset Stone Flex Hanger (Model 1800 ONLY)	*
	DGA5318	Front L.H., Rear R.H. Bearing Hanger - 214 & 410 Series Bearing Uses 7/8" x 6" U-bolt	*		DGA5324	Mounting Bracket For 214 & 410 Series - Std. Stone Flex Hanger	*
	DGA5319	Front R.H., Rear L.H. Bearing Hanger - 214 & 410 Series Bearing Uses 7/8" x 6" U-bolt	*		DGA5376	Mounting Bracket For 214 & 410 Series - 1-1/2" Offset Stone Flex Hanger	*
14	DGA37	Front R.H., Rear L.H. Sand Guard For 211 Series Bearing (Model 1800 ONLY)	*		DGA5341	Mounting Bracket For 214 & 410 Series - 2-1/2" Offset Stone Flex Hanger	*
	DGA38	Front L.H., Rear R.H. Sand Guard For 211 Series Bearing (Model 1800 ONLY)	*	31		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing (If Sand Guards Are Used) (Model 1800 ONLY)	*
	DGA39	Front R.H., Rear L.H. Sand Guard For 214 & 410 Series Bearing	*			1/2" x 2-1/2" N.C. Hex Bolt - 211 Series Bearing (If Sand Guards Are Used)	*
	DGA40	Front L.H., Rear R.H. Sand Guard For 214 & 410 Series Bearing	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 And 410 Series Bearing	*
15	DGA65	GANG BOLT FOR 9" SPACING	*			5/8" x 2-1/2" N.C. Hex Bolt - 214 And 410 Series Bearing (If Sand Guards Are Used)	*
	DGA67	5 Blade Gang Bolt - 42-3/4" Long	*	32		3/4" Lockwasher	*
	DGA68	7 Blade Gang Bolt - 61-3/4" Long	*	33		3/4" N.C. Hex. Nut	*
	DGA69	8 Blade Gang Bolt - 71" Long	*	34		3/4" x 3-1/2" Hex. Bolt	*
	DGA70	9 Blade Gang Bolt - 80" Long	*			3/4" x 4-1/2" Hex. Bolt - Used When Spring Hanger Is Equipped w/Spacer #DGS332	*
	DGA71	10 Blade Gang Bolt - 89-1/2" Long	*	35	DGS332	Shim Used With Discs w/26" Cone Blade And Discs w/26" Standard Blades On 9" Spacing. NOTE: Regardless Of Blade Size, This Shim Is No Longer Required For Discs Shipped After July 15/84	*
	DGA73	11 Blade Gang Bolt - 98-3/4" Long	*	36	DGA5370	5" O.D. Weld-On Gang Washer	4
	DGA74	13 Blade Gang Bolt - 117-1/2" Long	*				
	DGA74	14 Blade Gang Bolt - 126-1/2" Long	*				
	DGA109	GANG BOLT FOR 10-1/2" SPACING	*				
	DGA75	4 Blade Gang Bolt - 38" Long	*				
	DGA76	5 Blade Gang Bolt - 48-1/2" Long	*				
	DGA79	6 Blade Gang Bolt - 60" Long	*				
	DGA80	9 Blade Gang Bolt - 92" Long	*				
	DGA81	10 Blade Gang Bolt - 103" Long	*				
	DGA82	11 Blade Gang Bolt - 113-3/4" Long	*				
	DGA83	12 Blade Gang Bolt - 124-3/4" Long	*				
	DGA83	13 Blade Gang Bolt - 135-1/2" Long	*				

* As Required
** 6" Diameter

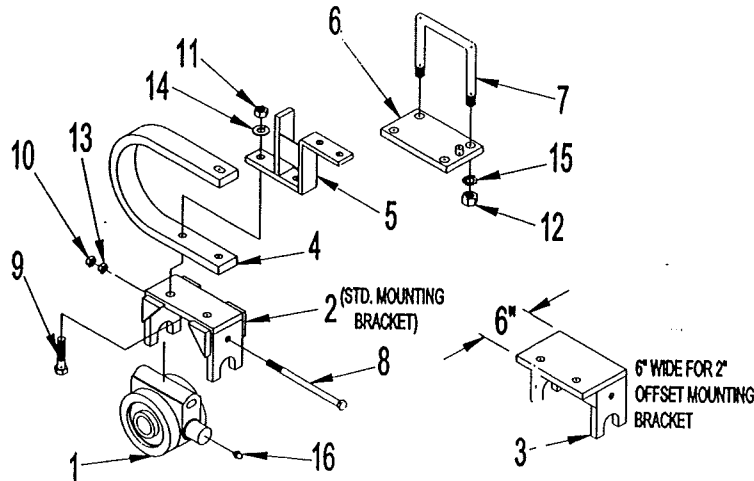
MODEL 1800-3800 DISC



DISC GANG (WITH STANDARD BEARING HANGERS FOR T2-215 BEARINGS)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	---	Blade, Plain & Notched Disc (See Disc Gang Parts List For 211, 214 & 410 Bearings)	*	14	DG9902	Cap, Bearing Housing	*
2	---	Blade, Plain & Cone Disc (See Disc Gang Parts List For 211, 214 & 410 Bearings)	*	15	DG9905	Seals, T2-215 Bearing	*
3	---	Blade, Plain Outrigger Disc (See Disc Gang Parts List For 214 & 410 Bearings)	*	16	DG9906	Sleeve	*
4	DG82	Nut, Heavy, Hex. Slotted, 2 - 7 UNC	*	17	DG9904	Ball Bearing (#6215)	*
5	DG89	Washer, Shim, 1/4"	*	18	DG9911	Ring, Internal Snap (Philip French Sales)	*
6	DG88	Washer, Shim, 1/2"	*	19	DG9912	Set Screw - 1/4 N.C. x 1/2" Long	*
7	DG78	5" O.D. x 2" I.D. Head Washer	*	20	DG9900	Housing c/w Bearings, Seals, Sleeve, Snap Ring, & Cap (T2-215 Series)	*
8	DGA10563	Spool, 9 & 10-1/2" Spacing, Short Half, 1-3/8" Long (Convex Side) w/6" Washer	*		DG9901	Housing ONLY, (T2-215 Series)	*
	DGA10572	Spool, 12" Spacing - Short Half, 2-7/8" Long (Convex Side) w/6" Washer	*	21	DGA10568	Hanger, Bearing, Front R.H., Rear L.H. Trunion Mounted	*
9	DGA10571	Spool, 9" Spacing - Long Half, 2-11/16" Long (Concave Side)	*		DGA10567	Hanger, Bearing, Front L.H., Rear R.H. Trunion Mounted	*
	DGA103	Spool, 10-1/2" & 12" Spacing - Long Half, 4-3/16" Long (Concave Side)	*	22	DGA10568	Hanger, Bearing, 2" Offset, Front R.H., Rear L.H. Trunion Mounted	*
10	DGA100	Spool, 9" Spacing - Full Spool w/6" Dia. On One End	*		DGA10569	Hanger, Bearing, 2" Offset, Front L.H., Rear R.H. Trunion Mounted	*
	DGA101	Spool, 10-1/2" Spacing - Full Spool w/6" Dia. Both Ends	*		DGA10586	Hanger, Bearing, 3-1/2" Offset, Front R.H., Rear L.H. Trunion Mounted	*
	DGA111	Spool, 12" Spacing - Full Spool w/6" Dia. Both Ends	*		DGA10585	Hanger, Bearing, 3-1/2" Offset, Front L.H., Rear R.H. Trunion Mounted	*
11	---	Gang Bolts (See Disc Gang Parts List For 211, 214 & 410 Bearings)	*	23	---	5/8" x 10" N.C. Hex. Bolt	*
12	DGA35	Wrench, Socket	*	24	DG5314	7/8" x 6-3/8" U-Bolt	*
13	DG9910	Rings, External Snap (Philip French Sales #D1400-75)	*	25	---	7/8" Lockwasher	*
				26	---	5/8" N.C. Hex. Nut	*
				27	---	5/8" Lockwasher	*
				28	10GN1	1/4" - 28" Straight Grease Fitting	*
				29	DG10310	7/16" x 3" Lock Pin	*
				30	DG10590	Sand Guard	*

* As Required See Page 74 For Stone Flex Hanger For T2-215 Series Bearings

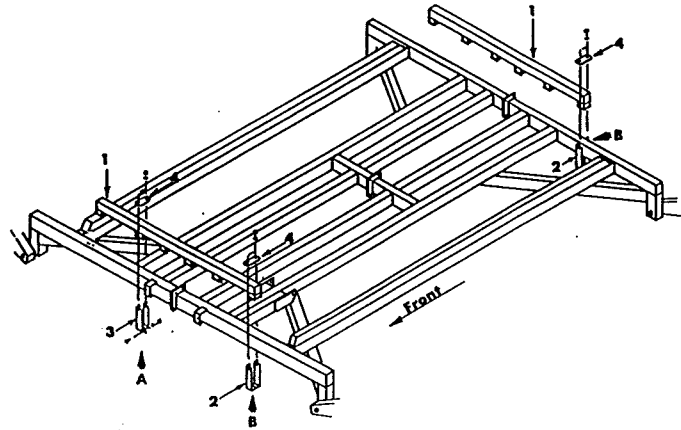
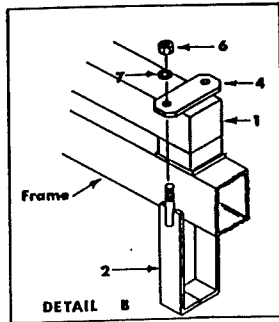
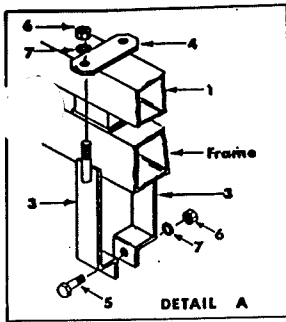


STONE FLEX HANGERS - (FOR T2-215 BEARINGS)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG9900	Housing, c/w Bearings, Seals, Sleeve, Snap Rings, And Cap	*	7	DG5325	7/8" x 7-5/8" Long U-Bolt	*
2	DGA10570	Standard Mounting Bracket - Stone Flex Trunion	*	8	---	5/8" x 10" N.C. Hex. Bolt	*
3	DGA10575	2" Offset Mounting Bracket - Stone Flex Trunion	*	9	---	3/4" x 3-1/2" N.C. Hex. Bolt	*
4	DG5313	Spring Shank, 1-1/4" x 2-1/2"	*	10	---	5/8" N.C. Hex. Nut	*
5	DG5333	Scraper Bar Support Bracket, For Standard Stone Flex Hanger	*	11	---	3/4" N.C. Hex. Nut	*
	DG5336	Scraper Bar Support Bracket, For 2" Offset Hanger, Used On Front L.H. Gang Or Rear R.H. Gang	*	12	---	7/8" N.C. Hex. Nut	*
	DG5337	Scraper Bar Support Bracket, For 2" Offset Hanger, Used On Front R.H. Gang Or Rear L.H. Gang	*	13	---	5/8" Lockwasher	*
6	DGA5328	Backing Plate	*	14	---	3/4" Lockwasher	*
				15	---	7/8" Lockwasher	*
				16	10GN1	1/4" - 28" Grease Fitting	*

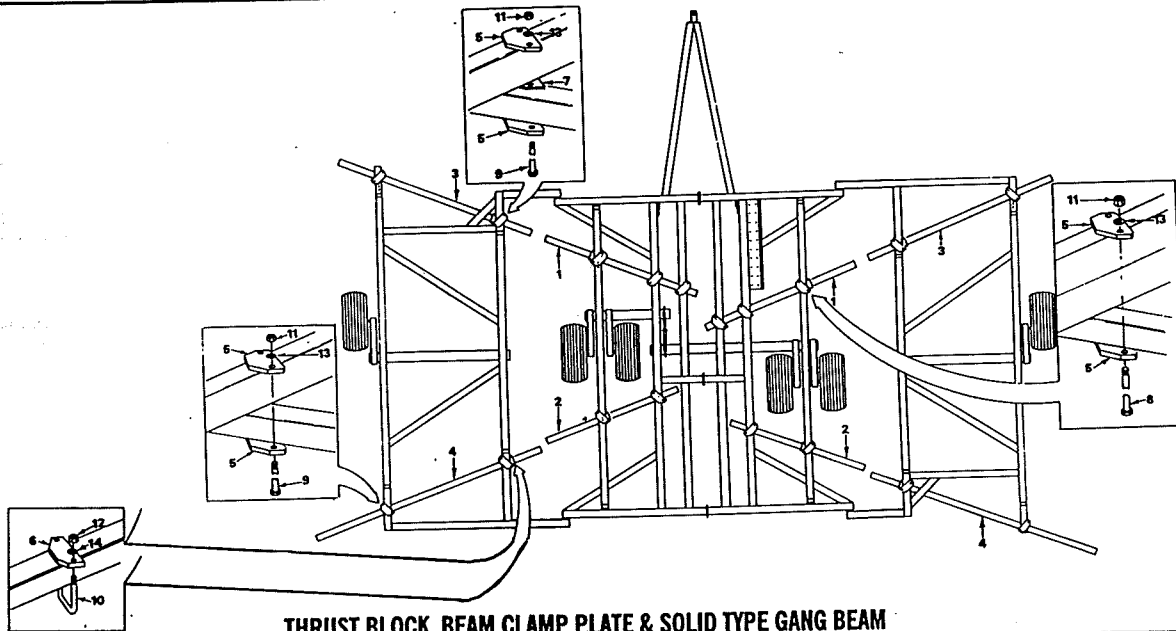
* As Required

MODEL 1800-3800 DISC



TIE BAR - (USED UP TO SERIAL NO. 1800-83-018301)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DTA9662	Tie Bar Assembly	2
2	DTA9665	Solid U-Clamp	8
3	DTA9667	Half U-Clamp	8
4	DT9669	Backing Plate	12
5		1" x 2-1/2" N.C. Hex Bolt	4
6		1" N.C. Hex Nut	24
7		1" Lockwasher	24

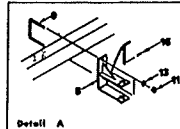
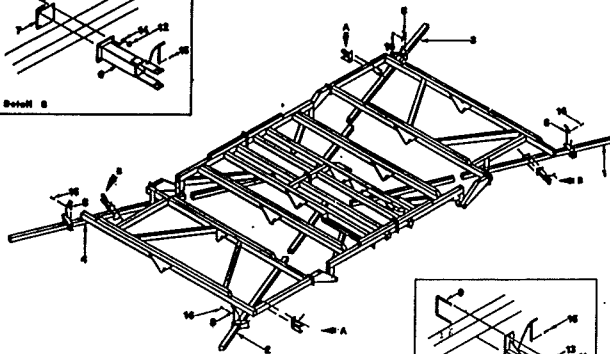
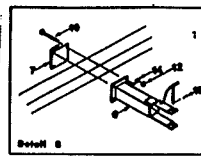


THRUST BLOCK, BEAM CLAMP PLATE & SOLID TYPE GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DBS11-5	110" Gang Beam - Front Centre Frame, L.H. And R.H. (For All 9" Spacing Models)	2	4	DBS118-5	110" Gang Beam - 94 Blade, 9" Spacing Disc	2
	DBS103-5	103" Gang Beam - Front Centre Frame, L.H. And R.H. (For All 10-1/2" Spacing Models)	2		DBS140-5	140" Gang Beam - 106 Blade, 9" Spacing Disc With Solid Gang Beams	2
	DBS106-5	106" Gang Beam - Front Centre Frame, L.H. And R.H. (For All 12" Spacing Models)	2			149" Gang Beam - 110 Blade, 9" Spacing Disc	2
2	DBS92-5	92" Gang Beam - Rear Centre Frame L.H. And R.H. (For All 9" Spacing Models)	2		DBS118-5	158" Gang Beam - 114 Blade, 9" Spacing Disc	2
	DBS83-5	83" Gang Beam - Rear Centre Frame L.H. And R.H. (For All 10-1/2" Spacing Models)	2		DBS152-5	118" Gang Beam - 82 Blade, 10-1/2" Spacing Disc	2
	DBS83-5	83" Gang Beam - Rear Centre Frame L.H. And R.H. (For All 12" Spacing Models)	2			152" Gang Beam - 94 Blade, 10-1/2" Spacing Disc With Solid Gang Beams	2
3		Front Gang Beams For Wing Frames - Solid Type Gang Beams				163" Gang Beam - 98 Blade, 10-1/2" Spacing Disc	2
	DBS86-5	86" Gang Beam - 94 Blade, 9" Spacing Disc	2			174" Gang Beam - 102 Blade, 10-1/2" Spacing Disc	2
	DBS110-5	110" Gang Beam - 106 Blade, 9" Spacing Disc	2		DBS118-5	118" Gang Beam - 74 Blade, 12" Spacing Disc	2
		120" Gang Beam - 110 Blade, 9" Spacing Disc	2		DBS145-5	145" Gang Beam - 82 Blade, 12" Spacing Disc With Solid Gang Beams	2
		129" Gang Beam - 114 Blade, 9" Spacing Disc	2			158" Gang Beam - 86 Blade, 12" Spacing Disc	2
	DBS3-5	92" Gang Beam - 82 Blade, 10-1/2" Spacing Disc	2			169" Gang Beam - 90 Blade, 12" Spacing Disc	2
	DBS118-5	118" Gang Beam - 94 Blade, 10-1/2" Spacing Disc	2			1" x 5" x 11" - Gang Beam Clamp Plate	36
		129" Gang Beam - 98 Blade, 10-1/2" Spacing Disc	2	5	DG9780	Thrust Block	8
		140" Gang Beam - 102 Blade, 10-1/2" Spacing Disc	2	6	DG160	Front Gang Beam Shim - Used To Prevent Front Gangs From Ridging (Not Supplied As Standard Equipment)	*
	DBS83-5	83" Gang Beam - 74 Blade, 12" Spacing Disc	2	7	DG163	1-1/4" x 18-1/2" N.C. Hex Bolt	28
	DBS106-5	106" Gang Beam - 82 Blade, 12" Spacing Disc	2			1-1/4" x 14" N.C. Hex Bolt	28
		118" Gang Beam - 86 Blade, 12" Spacing Disc	2			3/4" x 6" U-Bolt	8
		130" Gang Beam - 90 Blade, 12" Spacing Disc	2			1-1/4" N.C. Hex Nut	36
						3/4" N.C. Hex Nut	16
						2-1/2" O.D. x 1-9/32" I.D. x 1/4" Washer	36
						3/4" Lockwasher	16

* As Required

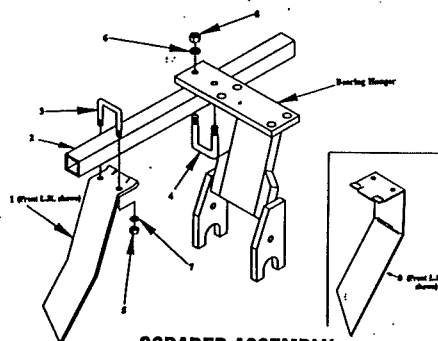
MODEL 1800-3800 DISC



FOLDING TYPE GANG BEAMS & SUPPORT BRACKETS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DWB9689	116" & 44" Folding Gang Beam - Front L.H. (For 126 Blade, 9" Spacing Disc) c/w Pin	1	4	DWB9703	94" & 43" Folding Gang Beam - Rear R.H. (For 106 Blade, 9" Spacing Disc) c/w Pin	1
	DWB9690	121" & 41" Folding Gang Beam - Front L.H. (For 110 Blade, 10-1/2" Spacing Disc) c/w Pin	1		DWB9704	121" & 62" Folding Gang Beam - Rear R.H. (For 126 Blade, 9" Spacing Disc) c/w Pin	1
	DWB9691	119" & 50" Folding Gang Beam - Front L.H. (For 98 Blade, 12" Spacing Disc) c/w Pin	1		DWB9705	97" & 52" Folding Gang Beam - Rear R.H. (For 94 Blade, 10-1/2" Spacing Disc) c/w Pin	1
2	DWB9692	116" & 44" Folding Gang Beam - Front R.H. (For 126 Blade, 9" Spacing Disc) c/w Pin	1		DWB9706	129" & 62" Folding Gang Beam - Rear R.H. (For 110 Blade, 10-1/2" Spacing Disc) c/w Pin	1
	DWB9693	121" & 41" Folding Gang Beam - Front R.H. (For 110 Blade, 10-1/2" Spacing Disc) c/w Pin	1		DWB9707	94" & 50" Folding Gang Beam - Rear R.H. (For 82 Blade, 12" Spacing Disc) c/w Pin	1
	DWB9694	119" & 50" Folding Gang Beam - Front R.H. (For 98 Blade, 12" Spacing Disc) c/w Pin	1		DWB9708	127" & 72" Folding Gang Beam - Rear R.H. (For 98 Blade, 12" Spacing Disc) c/w Pin	1
3	DWB9695	94" & 43" Folding Gang Beam - Rear L.H. (For 106 Blade, 9" Spacing Disc) c/w Pin	1	5	DWA9754	Gang Beam Support Bracket - Formed Type c/w Pin	*
	DWB9696	121" & 62" Folding Gang Beam - Rear L.H. (For 126 Blade, 9" Spacing Disc) c/w Pin	1	6	DWA9746	Gang Beam Support Bracket - Formed Type c/w Pin	*
	DWB9699	97" & 52" Folding Gang Beam - Rear L.H. (For 94 Blade, 10-1/2" Spacing Disc) c/w Pin	1	7	DW9753	Backing Plate	*
	DWB9700	129" & 62" Folding Gang Beam - Rear L.H. (For 110 Blade, 10-1/2" Spacing Disc) c/w Pin	1	8	DWA8758	Hinge Pin (Welded To Chain On Folding Gang Beam)	*
	DWB9701	94" & 50" Folding Gang Beam - Rear L.H. (For 82 Blade, 12" Spacing Disc) c/w Pin	1	9	DG18	3/4" U-Bolt	*
	DWB9702	127" & 72" Folding Gang Beam - Rear L.H. (For 98 Blade, 12" Spacing Disc) c/w Pin	1	10		5/8" x 7-1/2" N.C. Hex Bolt	*
				11		3/4" N.C. Hex Nut	*
				12		5/8" N.C. Hex Nut	*
				13		3/4" Lockwasher	*
				14		5/8" Lockwasher	*
				15	DR129	Hair Pin Cotter	*
				16	DW25	Hair Pin Cotter	*

* As Required

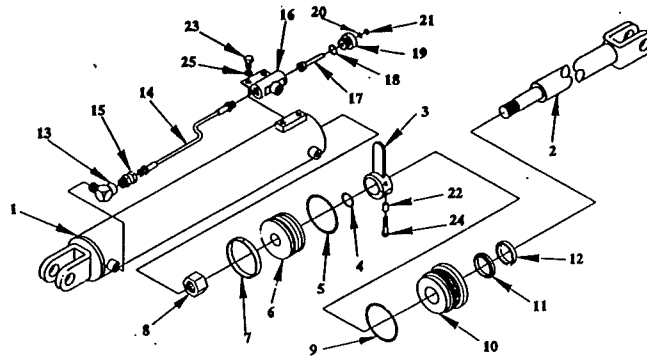


SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	Scraper - Rear R.H. And Front L.H.	*		DS138	13 Blade Scraper Bar - 138" (For Gang With All Standard Scrapers)	*
	DG5301	Scraper - Rear L.H. And Front R.H.	*	2	DS48	4 Blade Scraper Bar - 48" (For Gang With All Standard Scrapers)	*
	DG5304	Scraper (For Cone Blades Only) - Rear R.H. And Front L.H.	*		DS42	4 Blade Scraper Bar - 42" (For Gang With One 90 Degree Scraper)	*
	DG5305	Scraper (For Cone Blades Only) - Rear L.H. And Front R.H.	*		DS66	6 Blade Scraper Bar - 66" (For Gang With One 90 Degree Scraper)	*
2		SCRAPER BARS FOR 9" STANDARD DISC			DS96	8 Blade Scraper Bar - 96" (For Gang With All Standard Scrapers)	*
	DS48	5 Blade Scraper Bar - 48" (For Gang With All Standard Scrapers)	*		DS108	9 Blade Scraper Bar - 108" (For Gang With All Standard Scrapers)	*
	DS42	5 Blade Scraper Bar - 42" (For Gang With One 90 Degree Scraper)	*		DS120	10 Blade Scraper Bar - 120" (For Gang With All Standard Scrapers)	*
	DS60	7 Blade Scraper Bar - 60" (For Gang With One 90 Degree Scraper)	*		DS114	10 Blade Scraper Bar - 114" (For Gang With One 90 Degree Scraper)	*
	DS90	10 Blade Scraper Bar - 90" (For Gang With All Standard Scrapers)	*		DS132	11 Blade Scraper Bar - 132" (For Gang With All Standard Scrapers)	*
	DS102	11 Blade Scraper Bar - 102" (For Gang With All Standard Scrapers)	*	3	DG5308	1/2" x 2" U-bolt	*
	DS96	11 Blade Scraper Bar - 96" (For Gang With One 90 Degree Scraper)	*	4	DG5309	5/8" x 2" U-bolt	*
	DS120	13 Blade Scraper Bar - 120" (For Gang With All Standard Scrapers)	*	5		1/2" N.C. Hex Nut	*
	DS114	13 Blade Scraper Bar - 114" (For Gang With One 90 Degree Scraper)	*	6		5/8" N.C. Hex Nut	*
	DS124	14 Blade Scraper Bar - 124" (For Gang With One 90 Degree Scraper)	*	7		1/2" Lockwasher	*
		SCRAPER BARS FOR 10-1/2" SPACING DISCS		8		5/8" Lockwasher	*
	DS42	4 Blade Scraper Bar - 42" (For Gang With All Standard Scrapers)	*	9	DG9697	Scraper - 90 Degree - Rear R.H. And Front L.H.	*
	DS48	5 Blade Scraper Bar - 48" (For Gang With One 90 Degree Scraper)	*		DG9698	Scraper - 90 Degree - Rear L.H. And Front R.H.	*
	DS60	6 Blade Scraper Bar - 60" (For Gang With One 90 Degree Scraper)	*		DG9783	Scraper - 90 Degree (For Cone Blades Only) - Rear R.H. And Front L.H.	*
	DS96	9 Blade Scraper Bar - 96" (For Gang With All Standard Scrapers)	*		DG9784	Scraper - 90 Degree (For Cone Blades Only) - Rear L.H. And Front R.H.	*
	DS108	10 Blade Scraper Bar - 108" (For Gang With All Standard Scrapers)	*				
	DS114	11 Blade Scraper Bar - 114" (For Gang With One 90 Degree Scraper)	*				
	DS126	12 Blade Scraper Bar - 126" (For Gang With All Standard Scrapers)	*				

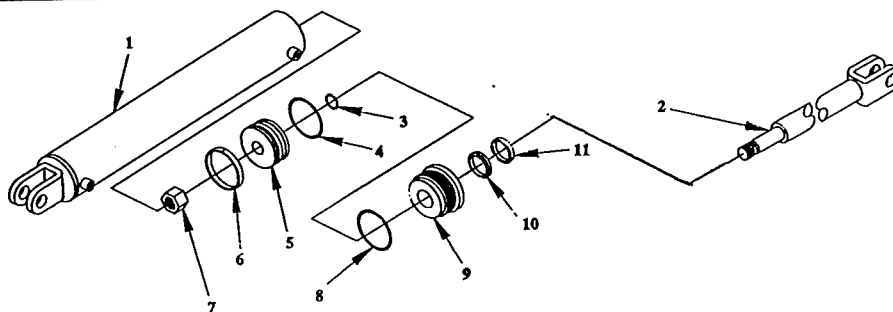
* As Required

MODEL 1800-3800 DISC



MAIN ROCKSHAFT DEPTH CONTROL CYLINDER (4" x 24" CYLINDER WITH FLOW VALVE)

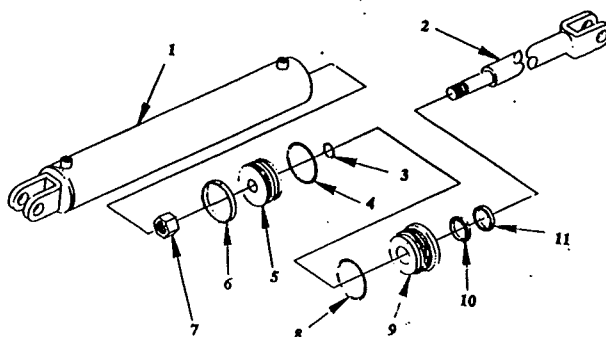
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	40TU6	Tube Assembly - 4" x 24"	1
2	10SH35	Shaft 2" x 24"	1
3	DCA9	Depth Control Stop c/w Spacer, Item 23, And Bolt, Item 25	1
4	10OR18	1" O.D. x 7/8" I.D. O-ring	1
5	10OR23	4" O.D. x 3/16" 90 Durometer Urethane Ring	1
6	40PB6	Piston - 4" O.D. x 1" I.D.	1
7	40WR1	Wear Ring - 4" O.D. x 1/8" Thick, 1/2" Wide, Special With Grooves	1
8	10NU2	1" - 14 U.N.S. Hex. Nut	1
9	10OR17	O-ring - 4" O.D. x 3/16" I.D.	1
10	40HP6	Head Plate - 4" O.D. x 2" I.D.	1
11	10RS2	Rod Seal - 2-3/8" O.D. x 2" I.D. x 3/8"	1
12	10WS6	Wiper Seal - 2-1/2" O.D. x 2" I.D. x 3/8" - All Urethane	1
13	DL5271	1/2" x 90 Degree Street Elbow	2
14	H22-1	1/2" x 22" Hose	1
15	DC27	1/2" Male-Female Swivel	1
16	DCA7	Depth Control Assy c/w Piston, Plug, Two O-rings, And Wiper Seal	1
17	DC28	Piston - Depth Control Valve	1
18	DC29	O-ring - 1-1/16" O.D. x 7/8" I.D.	1
19	DC30	Plug	1
20	DC20	O-ring - 1/2" O.D. x 3/8" I.D.	1
21	DC32	Wiper Seal - 3/8" x 5/8" x 3/16"	1
22	DC33	Spacer - 9/16" O.D. x 13/32" I.D. x 11/16"	1
23		1/2" x 7/8" N.C. Hex. Bolt	2
24		3/8" x 1-3/4" N.C. Hex. Bolt	1
25		1/2" Lockwashers	2



R.H. MAIN ROCKSHAFT CYLINDER (4" x 24" CYLINDER - NO FLOW VALVE)

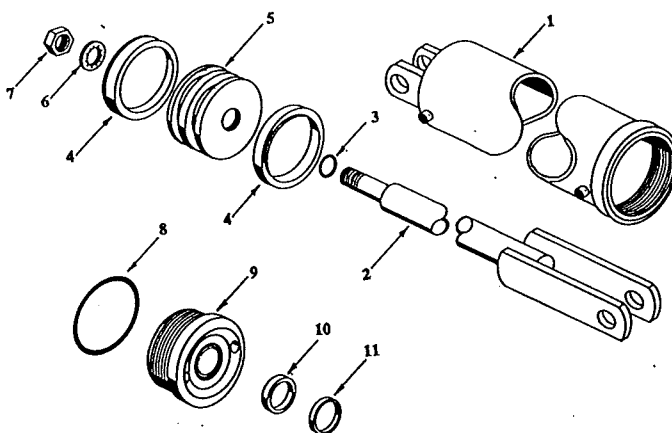
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	40TU7	Tube Assembly - 4" x 24"	1
2	10SH35	Shaft - 2" x 24"	1
3	10OR18	1" O.D. x 7/8" I.D. O-Ring	1
4	10OR23	4" O.D. x 3/16" 90 Durometer Urethane O-Ring	1
5	40PB6	Piston - 4" O.D. x 1" I.D.	1
6	40WR1	Wear Ring - 4" O.D. x 1/8" Thick x 1-1/2" Wide - Special With Groove	1
7	10NU2	1" - 14 U.N.S. Hex. Nut	1
8	10OR17	O-Ring - 4" O.D. x 3/16"	1
9	40HP6	Head Plate - 4" O.D. x 2" I.D.	1
10	10RS2	Rod Seal - 2-3/8" O.D. x 2" I.D. x 3/8"	1
11	10WS6	Wiper Seal - 2-1/2" O.D. x 2" I.D. x 3/8" - All Urethane	1

MODEL 1800-3800 DISC



WING ROCKSHAFT CYLINDER (3-1/2" x 24" CYLINDER)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	35TU8	Tube Assembly 3-1/2" x 24"	1
2	10SH35	Shaft 2" x 24"	1
3	100R18	1" O.D. x 7/8" I.D. O-Ring	1
4	100R24	3-1/2" O.D. x 3/16" 90 Durometer Urethane O-Ring	1
5	35PB6	Piston - 3-1/2" O.D. x 1" I.D.	1
6	35WR1	Wear Ring - 3-1/2" O.D. x 1/8" Thick x 1/2" Wide - Special With Groove	1
7	10NU2	1" - 14 UNS Hex. Nut	1
8	100R8	O-ring - 3-1/2" O.D. x 3/16"	1
9	35HP5	Head Plate - 3-1/2" O.D. x 2" I.D.	1
10	10RS2	Rod Seal 2-3/8" O.D x 2" I.D. x 3/8"	1
11	10WS6	Wiper Seal - 2-1/2" O.D. x 2" I.D. x 3/8" All Urethane	1



WING LIFT CYLINDER (5" x 36" CYLINDER)

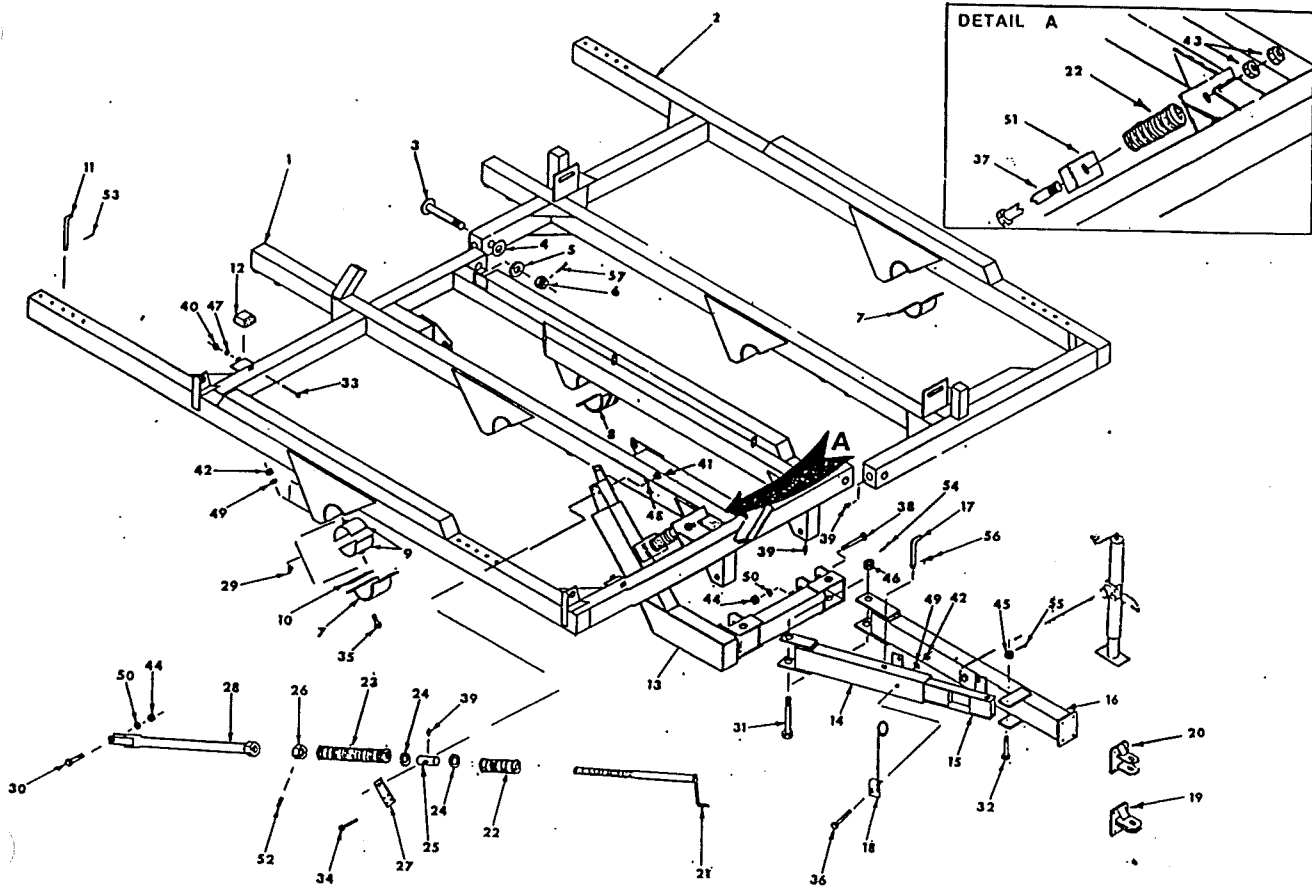
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	50TU8	Tube Assembly 5" x 36"	1
2	10SH36	Shaft - 1-3/4" x 36" - w/1-1/4" Stub	1
	10SH28	Shaft - 1-3/4" x 36" - w/1" Stub (Order #10SH36 c/w Nut #10NU3 & Piston)	
3	100R13	O-ring 1-1/4" O.D. x 1/8"	1
4	50CU1	U-cup 5" x 4-1/2" x 9/16"	2
5	50PB1	Piston - 5" O.D. x 1" I.D. - (Used With Shaft #10SH28 ONLY)	1
	50PB2	Piston - 5" O.D. x 1-1/4" I.D. - (Used With Shaft #10SH36 ONLY)	
6	10WS2	Internal Star Washer - 1" I.D. (Used With Shaft #10SH28 ONLY)	1
7	10NU2	1" - 14 UNS Hex Nut (Used With Shaft #10SH28 ONLY)	1
	10NU3	1-1/4" - UNS Hex Lock Nut (Used With Shaft #10SH36)	
8	100R14	O-Ring - 5" O.D. x 1/4"	1
9	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
10	10RS3	Rod Seal - 2-1/8" O.D. x 1-3/4" I.D. x 3/8"	1
11	10WS3	Wiper Seal - 2-1/8" O.D. x 1-3/4" I.D. x 3/16"	1

MODEL 1800-3800 DISC

CYLINDER SEAL KIT

KIT NO.	CONTENTS			APPLICATION
5017N4	2	50CU1	5" x 4-1/2" x 9/16" Wide U-Cup	5" x 36" Wing Lift Cylinders
	1	100R13	1/8" x 1-1/4" O.D. O-Ring	
	1	100R14	5" O.D. x 1/4" O-Ring	
	1	10RS3	Rod Seal 2-1/8" O.D. x 1-3/4" I.D. x 3/8"	
	1	10WS3	Wiper Seal 2-1/8" O.D. x 1-3/4" I.D. x 3/16"	
4020N4	1	100R23	4" O.D. x 3/16" 90 Durometer Urethane O-Ring	4" x 24" Main Frame Rockshaft Cylinder
	1	100R18	1/16" x 1" O.D. O-Ring	
	1	40WR1	1/8" Thick x 1/2" Wide Wear Ring (Special W/Groove)	
	1	100R17	4" O.D. x 3/16" O-Ring	
	1	10RS2	Rod Seal 2-3/8" O.D. x 2" I.D. x 3/8"	
	1	10WS6	Wiper Seal 2-1/2" O.D. x 2" I.D. x 3/8"	
3520N4	1	100R24	3-1/2" O.D. x 3/16" 90 Durometer Urethane O-Ring	3-1/2" x 24" Wing Frame Rockshaft Cylinder
	1	100R18	1/16" x 1" O.D. O-Ring	
	1	35WR1	1/8" Thick x 1/2" Wide - Wear Ring (Special W/Groove)	
	1	100R8	3-1/2" O.D. x 3/16" O-Ring	
	1	10RS2	Rod Seal - 2-3/8" O.D. x 2" I.D. x 3/8"	
	1	10WS6	Wiper Seal - 2-1/2" O.D. x 2" I.D. x 3/8"	
DCB4	1	DC29	1-1/16" x 1" O.D. O-Ring	Rockshaft Cylinder With Depth Control Valve
	1	DC20	1/16" x 1/2" O.D. O-Ring	
	1	DC32	Wiper Seal 3/8" I.D.	
If Piston Is Required, Order Part No. DC28				

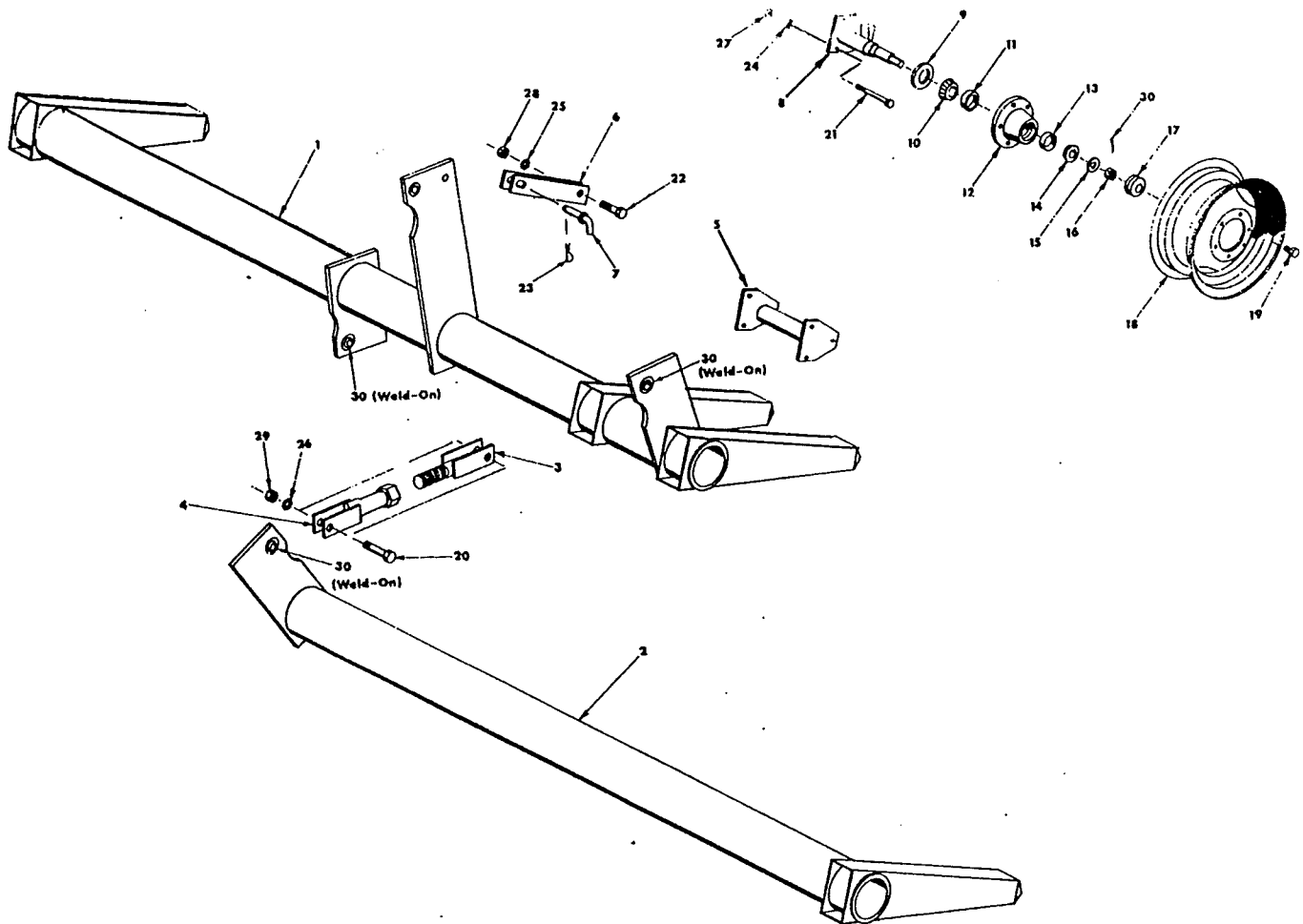
MODEL 2590 DISC



FRAME, FLOATING HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DFB8000	Main Frame c/w Three Rockshaft Bearing Caps, Two Hinge Bolts, and Two Gang Pins. Ref. No. 11.	1	29	DRS260	1/4" - 28 - 45 Degree Grease Fitting	10
2	DFB8061	Wing Frame - c/w Two Rockshaft Bearing Caps and Two Gang Pins. Ref. No. 11.	1	30	DRS215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
3	DFA8125	Hinge Bolt	2	31	DHS164	1-1/2" x 11" Hex Bolt - Drilled For Cotter Pin	1
4	DF5020	Rear Hinge Bolt Shim	1	32	DHS167	1-1/4" x 9" Hex Bolt - Drilled For Cotter Pin	1
5	DH3	Washer	6	33		3/8" x 5" N.C. Hex Bolt	2
6	DG82	2" N.C. Slotted Nut	2	34		1/2" x 5" N.C. Hex Bolt	4
7	DFA5041	Rockshaft Bearing Cap	4	35		3/4" x 2-1/2" N.C. Hex Bolt	10
8	DFA5080	Reinforced Rockshaft Bearing Cap	1	36		3/4" x 6" N.C. Hex Bolt	1
9	DRS259	Rockshaft Bearing Liner Half	10	37		1" x 14" N.C. Hex Bolt	1
10	DF5063	Rockshaft Bearing Cap Shim	30	38		1-1/4" x 9" N.C. Hex Bolt	2
11	DF37	Gang Beam Retainer Pin	4	39	10GN1	1/4" - 28 Grease Fitting	6
12	DF5065	Wing Cylinder Support Block	2	40		3/8" N.C. Hex Nut	2
13	DHA5120	Draw Bar	1	41		1/2" N.C. Hex Nut	4
14	DHA5147	Hitch Brace - Female Half	1	42		3/4" N.C. Hex Nut	11
15	DHA5150	Hitch Brace - Male Half	1	43		1" N.C. Hex Nut	4
16	DHA5172	Tongue Assembly - Bolt-On Type Hitch	1	44		1-1/4" N.C. Hex Nut	3
17	DHS156	Brace Pin	1	45	DG125	1-1/4" N.C. Hex Slotted Nut	1
18	DHA5161	Hose Support	1	46	DHS165	1-1/2" N.C. Hex Slotted Nut	2
19	DHA5179	Male Hitch	1	47		3/8" Lockwasher	2
20	DHA5176	Clevis Hitch	1	48		1/2" Lockwasher	4
21	DCA9970	Levelling Crank (50" Long)	1	49		3/4" Lockwasher	11
22	DC9615	Compression Spring - 10-7/8" Long	2	50		1-1/4" Lockwasher	3
23	DC9618	Compression Spring - 21-3/8" Long	1	51	DFA10536	Spring Cushion Plate	1
24	DC15	Thrust Bearing - Timken #1199	2	52		1/2" x 1" N.C. Square Head Set Screw	1
25	DCA5184	Bearing Tube - Levelling Crank	1	53		1/4" x 1-1/4" Cotter Pin	4
26	DHS	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1	54		5/16" x 2-1/4" Cotter Pin	2
27	DHS146	Levelling Arm Lug	1	55		1/4" x 2" Cotter Pin	1
28	DCA8095	Levelling Link - (12" Pipe Length)	1	56	DW25	Half Pin Cotter	1
				57		3/8" x 3" Cotter Pin	2

MODEL 2590 DISC

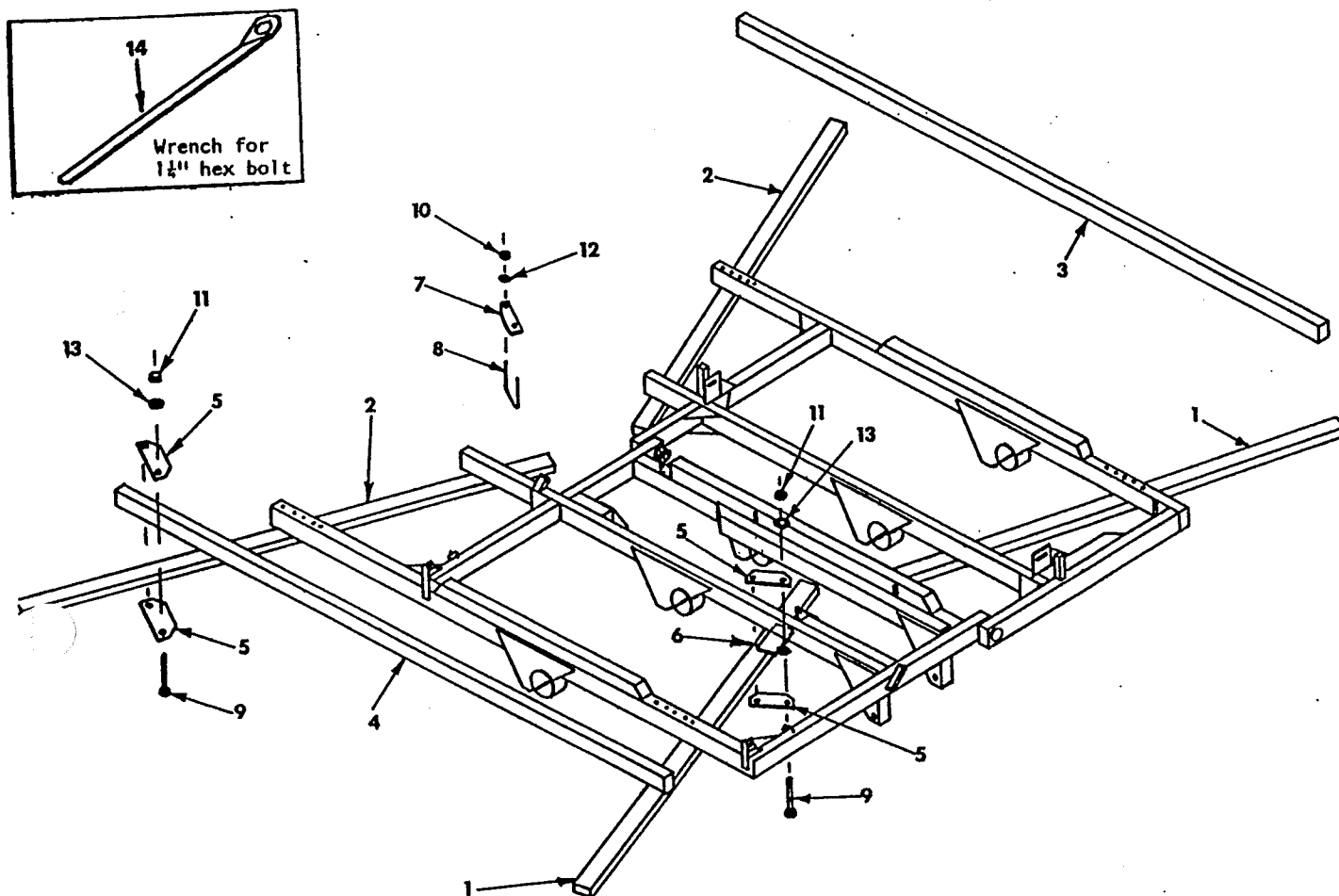


ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA8110	Main Frame Rockshaft	1
2	DRA8118	Wing Rockshaft	1
3 ¹	DRA5213	Rockshaft Link - Male Half	1
4	DRA5210	Rockshaft Link - Female Half	1
5	DRA8604	Wheel Leg Spacer - 11-3/4\" Long (3 Bolt Axle Plate)	1
6	DRA5245	Lock-Up Strap	1
7	DRA5248	Lock-Up Pin	1
8	DRA8	Axle Assembly	6
9	DR122	Grease Seal NOK #AF7879E	6
10	DR120	Inner Cone Bearing #25580	6
11	DR118	Inner Cup #25520	6
12	DRA9	Hub c/w Cups	6
13	DR92	Outer Cup #LM48510	6
14	DR91	Outer Cone Bearing #LM48548	6
15		2\" O.D. x 1-1/16\" I.D. x 1/8\" Flatwasher	6
16	DR110	1\" N.F. Hex Slotted Nut	6

Ref. No.	Part No.	Description	Qty. Req'd
17	DR123	Hub Cap	6
18	DR127	15\" x 8\" 6-Bolt Rim (Use 9.5L x 15 or 1.1L x 15 Tire)	6
		9.5L x 15 Tire Is Used On Models 23-1/2\" and Under Only	
19	DR125	9/16\" x 1-1/8\" N.F. Wheel Stud	36
20	DR5215	1-1/4\" x 4-1/4\" N.C. Hex Bolt (Special)	2
21		5/8\" x 6\" N.C. Hex Bolt	20
22		1\" x 3\" N.C. Hex Bolt	1
23	DW25	Hair Pin Cotter	1
24		5/8\" Lockwasher	20
25		1\" Lockwasher	1
26		1-1/4\" Lockwasher	2
27		5/8\" N.C. Hex Nut	20
28		1\" N.C. Hex Nut	1
29		1-1/4\" N.C. Hex Nut	2
30	DR5227	1-1/4\" Ball Joint (Weld-On)	3
31		3/16\" x 1-1/4\" Cotter Pin	6

MODEL 2590 DISC

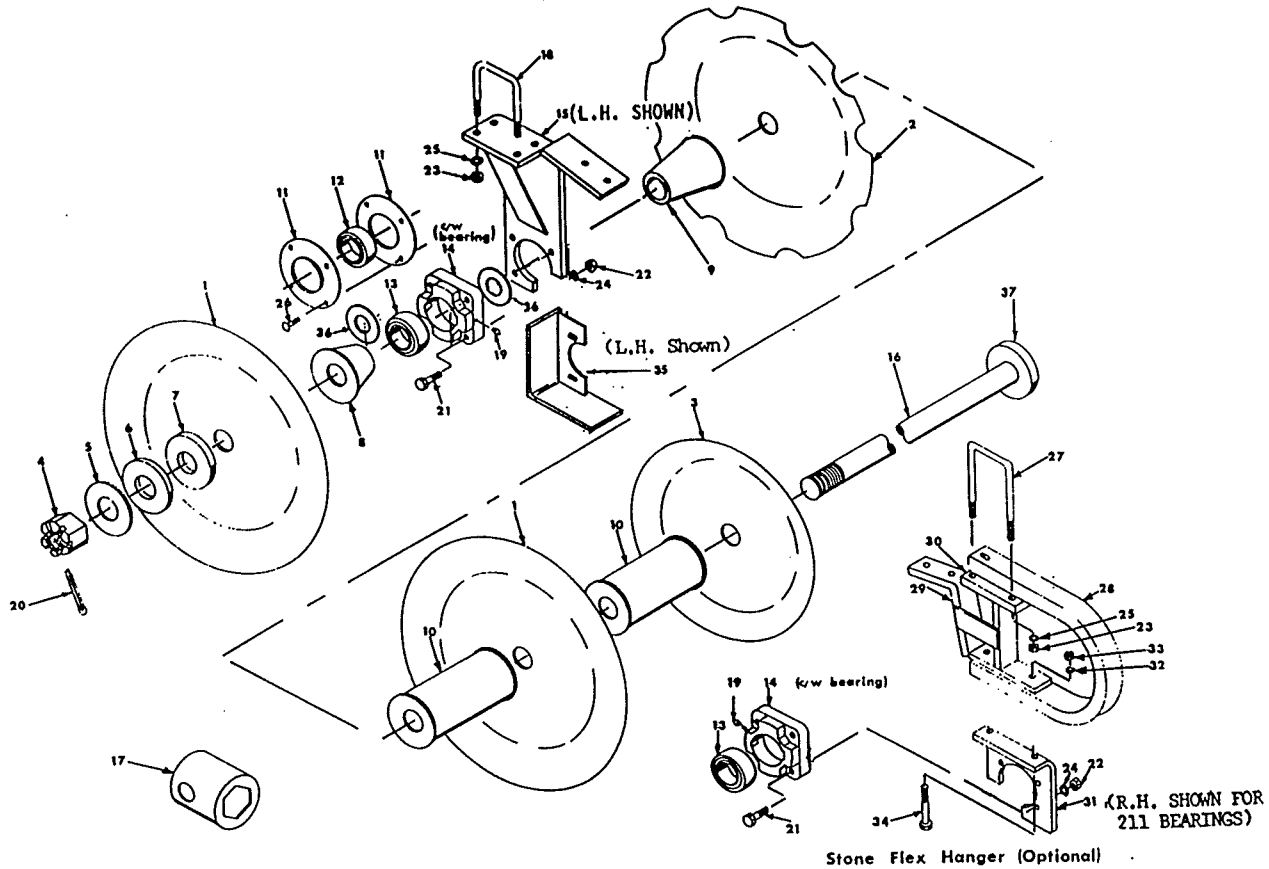


HYDRAULIC SYSTEM - W/HYDRAULIC DEPTH STOP ON LIFT CYLINDER

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	211	5" x 48" Wing Lift Cylinder	*	12	H36	3/8" x 36" Hose	*
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control - Less Flo-Valve, Elbows and Hose	1	13	H198-1	1/2" x 198" Hose	2
3	DF8599	Hydraulic Line	2	14	H144-1	1/2" x 144" Hose	2
4	DL5276	3/8" x 90 Degree Elbow	2	15	DL9777	1/2" x 90 Degree Elbow	1
5	DL5274	1/2" x 1/2" x 1/2" Tee	*	16	DF5068	Spacer Washer	*
6	DL5278	3/8" x 90 Degree Restricted Orifice Male-Female Swivel Elbow	*	17		1/2" x 2" Hex Bolt	2
7	L29	3/8" Female Swivel Adaptor	*	18		1/2" Lockwasher	2
8	DL5275	1/2" - 3/8" Reducer	*	19		1/2" N.C. Hex Nut	2
9	DR5252	Wing Cylinder Pin - 1-1/4" O.D. x 4" Long	*	20		1/4" x 1-1/2" Cotter Pin	*
10	DF5066	Oil Line Clamp Plate	1	21	DR5265	Rockshaft Cylinder Pin - 1-1/4" O.D. x 4-3/4" Long	2
	H30	3/8" x 30" Hose	*	22	DW25	Hair Pin Cotter	*

* As Required

MODEL 2590 DISC

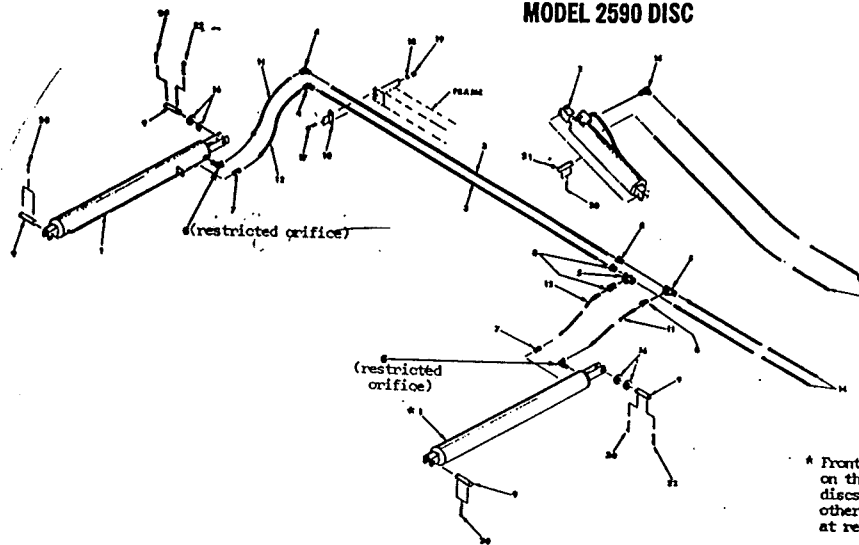


DISC GANG ASSEMBLY

	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
2	DG149	20" x 6 mm (.236) Plain Disc Blade	*		DGA94	14 Blade Gang Bolt - 112-1/2" Long	*
	DG64	22" x 6 mm (.236) Plain Disc Blade	*			GANG BOLTS FOR 9" SPACING	
	DG60	22" x 7 mm (.275) Plain Disc Blade	*		DGA66	6 Blade Gang Bolt - 50-3/4" Long	*
	DG68	24" x 6 mm (.236) Plain Disc Blade	*		DGA67	7 Blade Gang Bolt - 60-1/2" Long	*
	DG76	24" x 7 mm (.275) Plain Disc Blade	*		DGA68	8 Blade Gang Bolt - 69-3/4" Long	*
	DG137	24" x 8 mm (.516") Plain Disc Blade	*		DGA69	9 Blade Gang Bolt - 78-3/4" Long	*
	DG150	20" x 6 mm (.236) Notched Disc Blade	*		DGA70	10 Blade Gang Bolt - 88-1/4" Long	*
	DG61	22" x 7 mm (.275) Notched Disc Blade	*		DGA71	11 Blade Gang Bolt - 97-1/2" Long	*
	DG79	24" x 7 mm (.275) Notched Disc Blade	*		DGA72	12 Blade Gang Bolt - 106-3/4" Long	*
	DG138	24" x 8 mm (.516") Notched Disc Blade	*		DGA73	13 Blade Gang Bolt - 115-3/4" Long	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*	17	DGA35	Socket Wrench	1
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*	18	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	*
	DG134	20" x 5 mm (.197) Plain Outrigger Blade	*	19	10GN1	1/4" - 28 Grease Fitting	*
4	DG82	2" Heavy Hex Slotted Nut	*	20	DG83	3/8" x 3" Cotter Pin	*
	DG89	1/4" Shim Washer	*	21		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series Bearing	*
5	DG88	1/2" Shim Washer	*			1/2" x 2-1/2" N.C. Hex Bolt - 211 Series Bearing (If Sand Guard Is Used)	*
6	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*			5/8" x 2-1/4" N.C. Hex Bolt - 214 Series Bearing	*
7	DGA108	6" Spacing Short Half Spool - 2-3/8" Long	*			5/8" x 2-1/2" N.C. Hex Bolt - 214 Series Bearing (If Sand Guard Is Used)	*
8	DGA97	9" Spacing Short Half Spool - 3-1/4" Long With 5" Washer	*	22		1/2" N.C. Hex Nut - 211 Series Bearing	*
9	DGA102	8" & 9" Spacing Long Half Spool - 4-7/16" Long - For 211 Series Bearing	*			5/8" N.C. Hex Nut - 214 Series Bearing	*
	DGA103	8" & 9" Spacing Long Half Spool - 4-3/16" Long - For 214 Series Bearing	*	23		5/8" N.C. Hex Nut	*
10	DGA113	8" Spacing Full Spool - 8" Long	*	24		1/2" Lockwasher - 211 Series Bearing	*
	DGA98	9" Spacing Full Spool With 5" End Washers - 9" Long	*	25		5/8" Lockwasher - 214 Series Bearing	*
11	DG93	Heavy Duty Flange for 210 Series Bearing	*	26		5/8" Lockwasher	*
12	DG90	210 Series Sealed Bearings	*	27	DG8541	1/2" x 1-3/4" N.C. Carriage Bolt	*
13	DG95	211 Series Greaseable Bearings	*			1/2" x 2" N.C. Carriage Bolt (If Sand Guard Is Used)	*
14	DG38	214 Series Greaseable Bearings	*	28	DG8150	5/8" x 4" U-Bolt	*
	DG85334	211 Housing c/w Bearing and Grease Fitting	*	29	DGA8612	1-1/4" x 2" Spring Shank	*
15	DG85335	214 Housing c/w Bearing and Grease Fitting	*			Scraper Bar Support Bracket (Stone Flex Hanger)	*
	DGA6089	L.H. Straight Bearing Hanger - 211 Series Bearing - Uses 5/8" x 4" U-Bolts	*	30	DGA8617	Backing Plate (Stone Flex Hanger)	*
	DGA6090	R.H. Straight Bearing Hanger - 211 Series Bearing - Uses 5/8" x 4" U-Bolts	*	31	DG5342	Bracket L.H. Mounting For 211 Series Bearing Stone Flex Hanger	*
	DGA10280	L.H. Straight Bearing Hanger - 214 Series Bearing - Uses 5/8" x 4" U-Bolts	*		DG5343	Bracket R.H. Mounting For 211 Series Bearing Stone Flex Hanger	*
	DGA10281	R.H. Straight Bearing Hanger - 214 Series Bearing - Uses 5/8" x 4" U-Bolts	*		DG5324	Bracket Mounting For 214 Series Bearing Stone Flex Hanger	*
16		GANG BOLTS FOR 8" SPACING		32		3/4" Lockwasher	*
	DGA87	7 Blade Gang Bolt - 54-1/2" Long	*	33		3/4" N.C. Hex Bolt	*
	DGA88	8 Blade Gang Bolt - 62-3/4" Long	*	34		3/4" x 3-1/2" N.C. Hex Bolt	*
	DGA89	9 Blade Gang Bolt - 71" Long	*	35	DGA37	Sand Guard - R.H. For 211 Series Bearing (California Only)	*
	DGA90	10 Blade Gang Bolt - 79-1/2" Long	*		DGA38	Sand Guard - L.H. For 211 Series Bearing (California Only)	*
	DGA70	11 Blade Gang Bolt - 88-1/4" Long	*		DGA39	Sand Guard - R.H. For 214 Series Bearing (California Only)	*
	DGA92	12 Blade Gang Bolt - 96" Long	*		DGA40	Sand Guard - L.H. For 214 Series Bearing (California Only)	*
	DGA93	13 Blade Gang Bolt - 104-1/4" Long	*	36	DG236	211 Gang Bearing Shield - Not Supplied as Std. Recommended When Replacing Bearings	*
					DG237	214 Gang Bearing Shield - Not Supplied as Std. Recommended When Replacing Bearings	*
				37	DGA5370	5" O.D. Weld-On Washer	*

* As Required

MODEL 2590 DISC



* Front wing lift cylinder supplied as standard equipment on the following disc sizes: 82, 86, 90 blade, 8" spacing discs, and 74, 78, and 82 blade 9" spacing discs. All other sizes are standard with one wing lift cylinder at rear only.

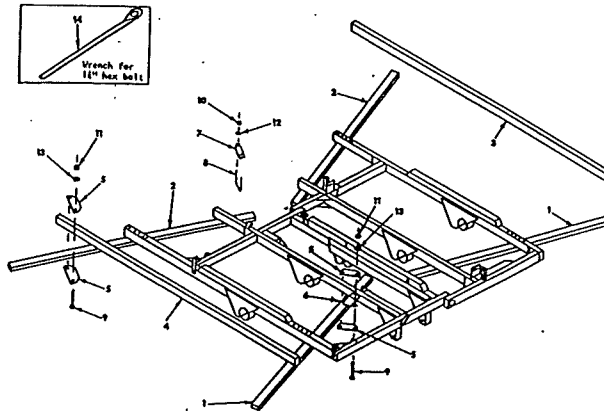
HYDRAULIC SYSTEM - W/HYDRAULIC DEPTH STOP TYPE ON LIFT CYLINDER

Ref. No.	Part No.	Description	Qty. Req'd
1	211	5" x 48" Wing Lift Cylinder	*
2	239	5" x 24" Rockshaft Cylinder	1
3	DF5038	Hydraulic Line	2
4	DL11	3/8" x 90 Degree Elbow	2
5	L1617	3/8" x 3/8" x 3/8" Tee (For Models w/2 Wing Lift Cylinders)	2
6	DL5283	3/8" x 90 Degree Street Elbow - (Steel)	*
7	L29	3/8" Female Swivel Adapter	*
8	DL5279	3/8" Male-Female Swivel Adapter (Restricted Orifice)	*
9	DR5252	Cylinder Pin	*
10	DF5066	Oil Line Clamp Plate	1
11	L2937	3/8" x 30" Hose	*

Ref. No.	Part No.	Description	Qty. Req'd
12	L2907	3/8" x 36" Hose	*
13	L2964	1/2" x 198" Hose	1
14	L2921	3/8" x 144" Hose w/One 3/8" End & One 1/2" End	2
15	DL9777	1/2" x 90 Degree Street Elbow - (Steel)	1
16	DF5068	Spacer Washer	*
17		1/2" x 2" Hex Bolt	2
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	*
21	L2961	1/2" x 174" Hose	1

* As Required

NOTE: Ref. No.5. For Model w/Single Wing Lift Cylinder Use DL5280 3/8" Straight Coupler.



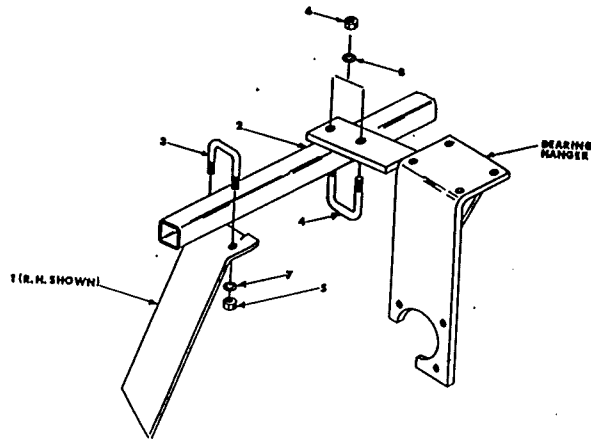
GANG BEAMS & STABILIZER BEAMS

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS4-120	FRONT GANG BEAM FOR 8" SPACING DISC	
	DBS4-126	120" Gang Beam (4" x 4") - 62 Blade Disc	2
	DBS4-132	126" Gang Beam (4" x 4") - 66 Blade Disc	2
	DBS4-138	132" Gang Beam (4" x 4") - 70 Blade Disc	2
	DBS4-144	144" Gang Beam (4" x 4") - 74 Blade Disc	2
	DBS4-150	150" Gang Beam (4" x 4") - 78 Blade Disc	2
	DBS4-162	162" Gang Beam (4" x 4") - 82 Blade Disc	2
	DBS4-168	168" Gang Beam (4" x 4") - 86 Blade Disc	2
	DBS4-174	174" Gang Beam (4" x 4") - 90 Blade Disc	2
	DBS4-126	FRONT GANG BEAM FOR 9" SPACING DISC	
	DBS4-132	126" Gang Beam (4" x 4") - 58 Blade Disc	2
	DBS4-138	132" Gang Beam (4" x 4") - 62 Blade Disc	2
	DBS4-144	144" Gang Beam (4" x 4") - 66 Blade Disc	2
	DBS4-150	150" Gang Beam (4" x 4") - 70 Blade Disc	2
	DBS4-162	162" Gang Beam (4" x 4") - 74 Blade Disc	2
	DBS4-168	168" Gang Beam (4" x 4") - 78 Blade Disc	2
	DBS4-180	180" Gang Beam (4" x 4") - 82 Blade Disc	2
2	DBS4-126	REAR GANG BEAM FOR 8" SPACING DISC	
	DBS4-132	126" Gang Beam (4" x 4") - 62 Blade Disc	2
	DBS4-138	132" Gang Beam (4" x 4") - 66 Blade Disc	2
	DBS4-144	144" Gang Beam (4" x 4") - 70 Blade Disc	2
	DBS4-150	150" Gang Beam (4" x 4") - 74 Blade Disc	2
	DBS4-162	162" Gang Beam (4" x 4") - 78 Blade Disc	2
	DBS4-168	168" Gang Beam (4" x 4") - 82 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
	DBS4-174	174" Gang Beam (4" x 4") - 86 Blade Disc	2
	DBS4-186	186" Gang Beam (4" x 4") - 90 Blade Disc	2
	DBS4-132	REAR GANG BEAM FOR 9" SPACING DISC	
	DBS4-144	132" Gang Beam (4" x 4") - 58 Blade Disc	2
	DBS4-150	144" Gang Beam (4" x 4") - 62 Blade Disc	2
	DBS4-162	150" Gang Beam (4" x 4") - 66 Blade Disc	2
	DBS4-168	162" Gang Beam (4" x 4") - 70 Blade Disc	2
	DBS4-180	168" Gang Beam (4" x 4") - 74 Blade Disc	2
	DBS4-186	180" Gang Beam (4" x 4") - 78 Blade Disc	2
	DBS4-195	186" Gang Beam (4" x 4") - 82 Blade Disc	2
3	DBS4-207	207" Stabilizer Beam (4" x 4") - Used on Larger Models	1
4	DBS4-195	195" Stabilizer Beam (4" x 4") - Used on Larger Models	1
5	DG8621	Gang Beam Clamp Plate - 9-1/2" Long	*
6	DGA8634	Front Gang Beam Shim - Used To Prevent Front Gang From Ridging (Not Supplied As Standard Equipment)	*
7	DG8622	Thrust Block - 6-1/4" Long	4
8	DG6080	5/8" x 4" U-Bolt - 5-7/16" Long	4
9		1-1/4" x 11-1/2" N.C. Hex Bolt	*
10		5/8" N.C. Hex Nut	*
11		1-1/4" N.C. Hex Nut	*
12		5/8" Lockwasher	6
13		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Flatwasher	*
14	DGA5348	Wrench For 1-1/4" Hex Bolt	2

* As Required

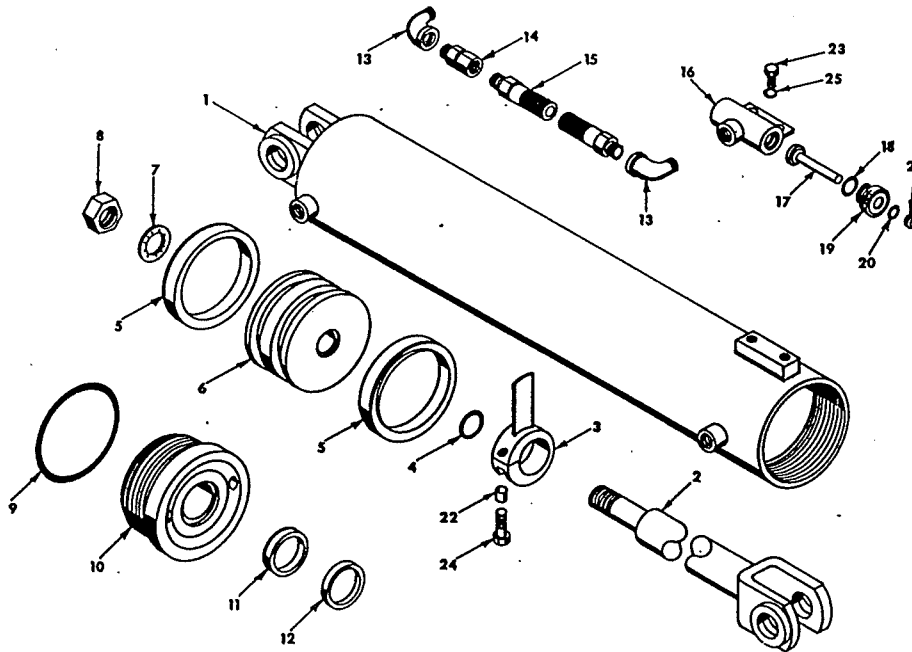
MODEL 2590 DISC



SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper - Used With 5/8" x 6" Hanger	*		DS64	7 Blade Scraper Bar - 64"	*
2	DG6084	R.H. Scraper - Used With 5/8" x 6" Hanger	*		DS73	8 Blade Scraper Bar - 73-1/2"	*
		<u>SCRAPER BAR FOR 8" SPACING DISC</u>			DS82	9 Blade Scraper Bar - 82"	*
	DS57	7 Blade Scraper Bar - 57-1/2"	*		DS92	10 Blade Scraper Bar - 92"	*
	DS65	8 Blade Scraper Bar - 65-1/2"	*		DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS73	9 Blade Scraper Bar - 73-1/2"	*		DS110	12 Blade Scraper Bar - 110"	*
	DS82	10 Blade Scraper Bar - 82"	*		DS120	13 Blade Scraper Bar - 120"	*
	DS90	11 Blade Scraper Bar - 90"	*	3	DG5308	1/2" x 2" U-Bolt	*
	DS99	12 Blade Scraper Bar - 99"	*	4	DG5309	5/8" x 2" U-Bolt	*
	DS107	13 Blade Scraper Bar - 107"	*	5		1/2" N.C. Hex Nut	*
	DS115	14 Blade Scraper Bar - 115-1/2"	*	6		5/8" N.C. Hex Nut	*
		<u>SCRAPER BAR FOR 9" SPACING DISC</u>		7		1/2" Lockwasher	*
	DS55	6 Blade Scraper Bar - 55"	*	8		5/8" Lockwasher	*

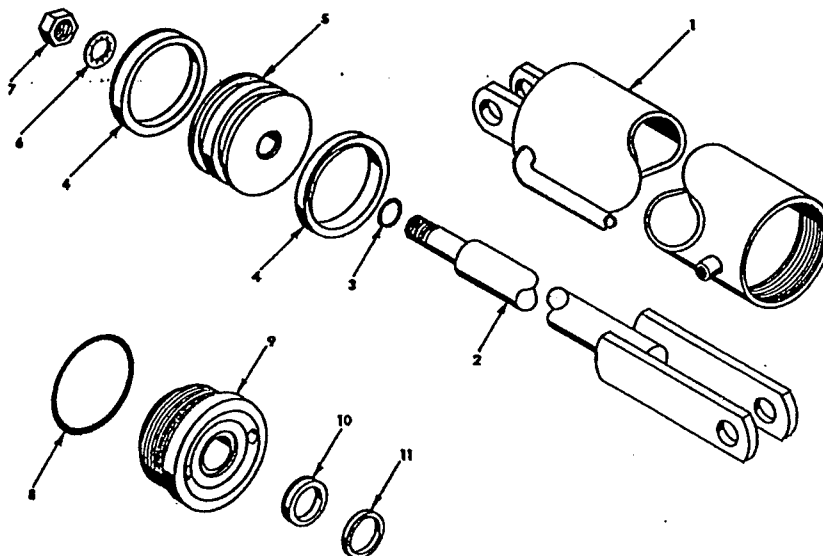
* As Required



ROCKSHAFT CYLINDER - N4 - NUT TYPE (HYDRAULIC DEPTH STOP TYPE)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	50TU2	Tube Assembly - 5" x 24"	1	14	DC27	1/2" Male-Female Swivel	1
2	10SH26	Shaft - 1-3/4" x 24"	1	15	H25-1	1/2" x 25" Hose	1
3	DCA6	Depth Control Stop c/w Spacer (Item 22) and Bolt (Item 24)	1	16	DCA7	Depth Control Assembly - c/w Piston, Plug, Two O-Rings, and Wiper Seal	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1	17	DC28	Piston	1
5	50CU1	U-Cup	2	18	DC29	1-1/16" O.D. x 7/8" I.D. O-Ring	1
	50PB1	Piston	1	19	DC30	Plug	1
	10SW2	Internal Star Washer - 1" I.D.	1	20	DC20	1/16" x 1/2" O.D. O-Ring	1
	10NU2	1" - 14 UNS Hex Nut	1	21	DC32	Wiper Seal - 3/8" I.D.	1
9	10OR14	1/4" x 5" O.D. O-Ring	1	22	DC33	Spacer	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1	23		1/2" x 7/8" N.C. Hex Bolt	2
11	10RS3	Rod Seal - 1-3/4" I.D.	1	24		3/8" x 1-3/4" N.C. Hex Bolt	1
12	10WS3	Wiper Seal - 1-3/4" I.D.	1	25		1/2" Lockwasher	2
13	DL5271	1/2" x 90 Degree Street Elbow	2				

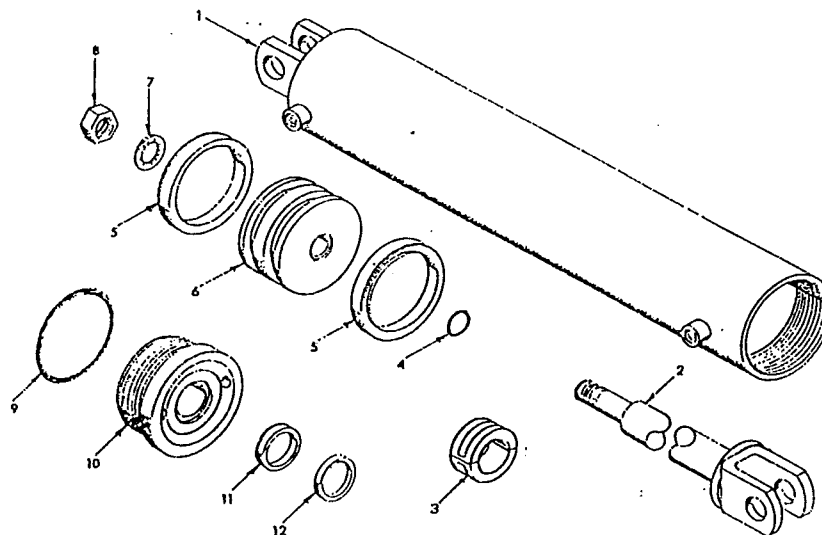
MODEL 2590 DISC



WING LIFT CYLINDER - N4 - NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU3	Tube Assembly - 5" x 48"	1
2	10SH27	Shaft - 1-3/4" x 48"	1
3	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
4	50CU1	U-Cup	2
5	50PB1	Piston	1
6	10SW2	Internal Star Washer - 1" I.D.	1

Ref. No.	Part No.	Description	Qty. Req'd
7	10NU2	1" - 14 UNS Hex Nut	1
8	10OR14	1/4" x 5" O.D. O-Ring	1
9	50HP1	Head Plate	1
10	10RS3	Rod Seal	1
11	10WS3	Wiper Seal	1



ROCKSHAFT CYLINDER - N4 - NUT TYPE (MECHANICAL DEPTH STOP TYPE)

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU9	Tube Assembly - 5" x 24"	1
2	10SH50	Shaft - 1-3/4" x 24"	1
3	CR50711	Depth Control Stop - 1" Long	1
	CR50712	Depth Control Stop - 1-1/2" Long	
	CR50713	Depth Control Stop - 1-3/4" Long	
	CR50714	Depth Control Stop - 2" Long	
	CR50717	Depth Control Stop - 4-1/4" Long	
4	10OR18	1/8" x 1-1/4" O.D. O-Ring	1

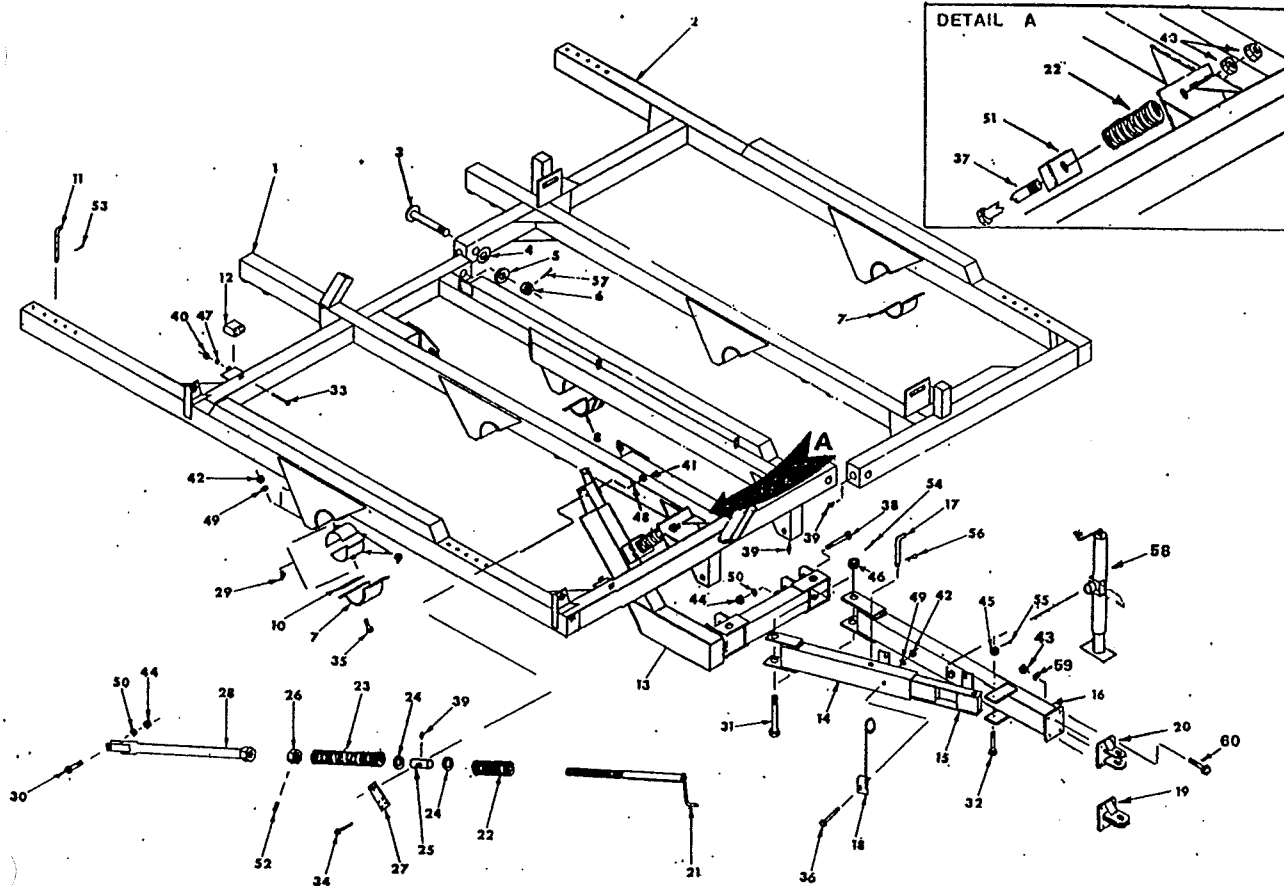
Ref. No.	Part No.	Description	Qty. Req'd
5	50CU1	U-Cup - 4-1/2" x 5" x 9/16"	2
6	50PB1	Piston - 5" O.D. x 2-1/2" Long (w/1" I.D.)	1
7	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR14	1/4" x 5" O.D. O-Ring	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" L.D.	1
11	10RS3	Rod Seal - 1-3/4" I.D. x 2-1/8" x 3/8"	1
12	10WS3	Wiper Seal - 1-3/4" I.D. x 2-1/8" x 3/16"	1

MODEL 2590 DISC

CYLINDER SEAL KITS

Kit No.	Contents			Application
5017N4	2	50CU1	5/8" Wide U-Cup	5" x 24" Rockshaft Cylinder
	1	100R13	1/8" x 1-1/4" O.D. O-Ring	
	1	100R14	1/4" x 5" O.D. O-Ring	5" x 48" Wing Lift Cylinder
	1	10RS3	Rod Seal - 1-3/4" I.D.	
	1	10WS3	Wiper Seal - 1-3/4" I.D.	
DCB4	1	DC29	1-1/16" O.D. x 7/8" O.D. O-Ring	Rockshaft Cylinder Depth Control Valve
	1	DC20	1/16" x 1/2" O.D. O-Ring	
	1	DC32	Wiper Seal - 3/8" I.D.	
	If Piston Is Required, Order Part No. DC28			

MODEL 2600-2650 DOUBLE OFFSET DISC

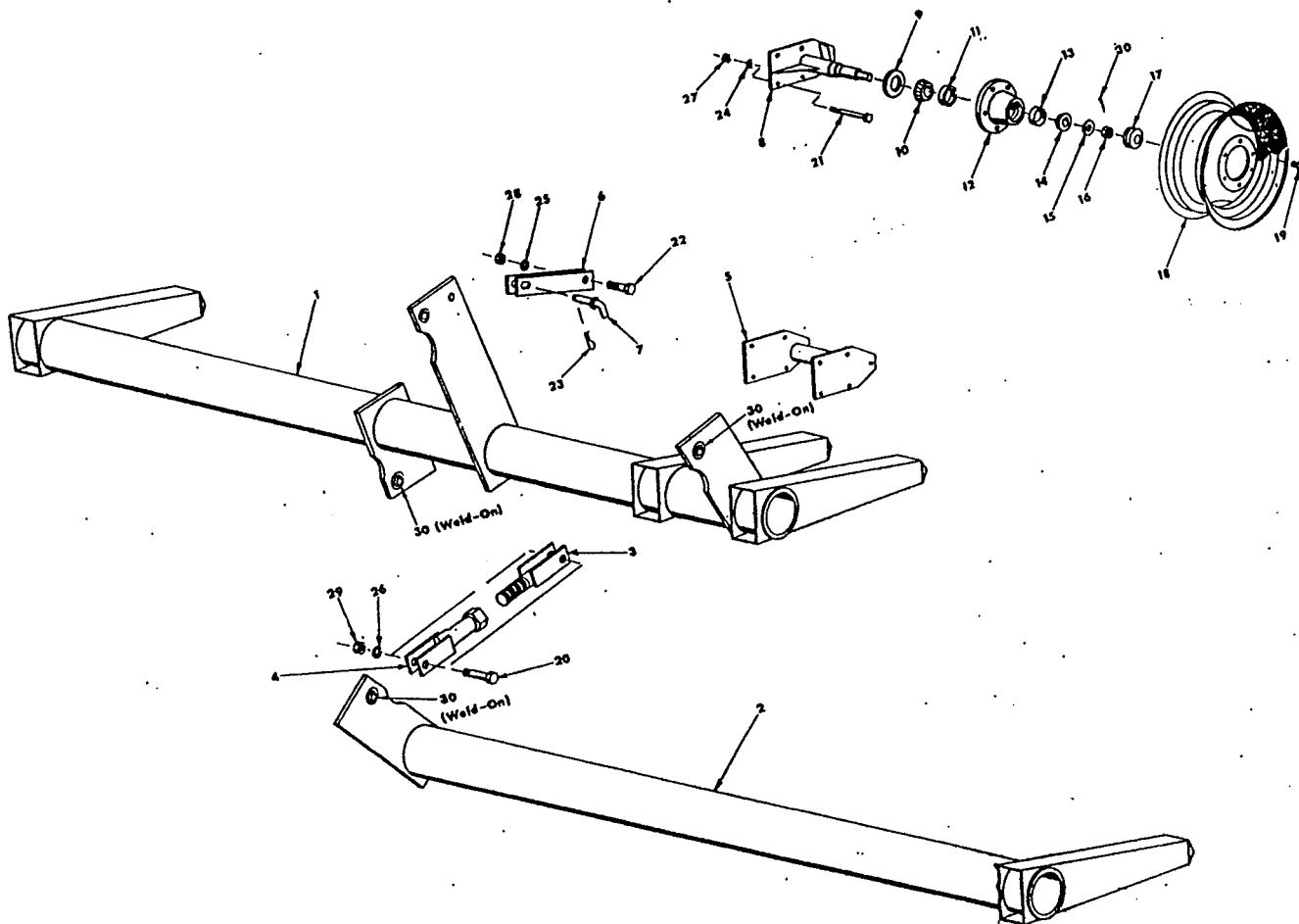


FRAME, HITCH AND LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFBS044	Main Frame c/w three rockshaft brg. caps, two hinge bolts and two gang pins. Ref. No. 11	1
2	DFBS081	Wing Frame c/w two rockshaft brg. caps and two gang pins. Ref. No. 11	1
3	DFAS042	Hinge Bolt	2
4	DF5020	Rear Hinge Bolt Shim	1
5	DH3	Washer	6
6	DG82	2" N.C. Slotted Nut	2
7	DFAS041	Rockshaft Bearing Cap	4
8	DFAS080	Reinforced Rockshaft Bearing Cap	1
9	DRS259	Rockshaft Bearing Liner Half	10
10	DF5063	Rockshaft Bearing Cap Shim	30
11	DF37	Gang Beam Retainer Pin	4
12	DF5065	Wing Cylinder - Support Block	2
13	DHAS120	Draw Bar	1
14	DHAS147	Hitch Brace - Female Half	1
15	DGAS150	Hitch Brace - Male Half	1
16	DHAS172	Tongue Assembly - Bolt-on Type Hitch	1
17	DHS156	Brace Pin	1
18	DHAS161	Hose Support	1
19	DHAS179	Male Hitch	1
20	DHAS176	Clevis Hitch	1
21	DCA9970	Levelling Crank (50" Long)	1
22	DC9615	Compression Spring - 10-7/8" long	2
23	DC9618	Compression Spring - 21-3/8" long	1
24	DC15	Thrust Bearing - Timken #T199	2
25	DCAS184	Bearing Tube - Levelling Crank	1
26	DH5	2" N.C. Heavy Hex. Nut-drilled for Set Screw	1
27	DHS146	Levelling Arm Lug	1
28	DCAS195	Levelling Link - (16-3/4" pipe length)	1
29	DRS260	1/4" - 28° - 45 degree grease fitting	10

Ref. No.	Part No.	Description	Qty. Req'd
30	DRS215	1-1/4" x 4-1/4" Hex. Bolt (Special)	1
31	DHS164	1-1/2" x 11" Hex. Bolt - Drilled for Cotter Pin	1
32	DHS167	1-1/4" x 9" Hex. Bolt - Drilled for Cotter Pin	1
33		3/8" x 5" N.C. Hex Bolt	2
34		1/2" x 5" N.C. Hex Bolt	4
35		3/4" x 2-1/2" N.C. Hex Bolt	10
36		3/4" x 6" N.C. Hex Bolt	1
37		1" x 14" N.C. Hex Bolt	1
38		1-1/4" x 9" N.C. Hex Bolt	2
39	10GN1	1/4" - 28° Grease Fitting	6
40		3/8" N.C. Hex Bolt	2
41		1/2" N.C. Hex Nut	4
42		3/4" N.C. Hex Nut	11
43		1" N.C. Hex Nut	4
44		1-1/4" N.C. Hex Nut	3
45	DG125	1-1/4" N.C. Hex Slotted Nut	1
46	DHS165	1-1/2" N.C. Hex Slotted Nut	2
47		3/8" Lockwasher	2
48		1/2" Lockwasher	4
49		3/4" Lockwasher	11
50		1-1/4" Lockwasher	3
51	DFA10536	Spring Cushion Plate	1
52		1/2" x 1" N.C. Square Head Set Screw	1
53		1/4" x 1-1/4" Cotter Pin	4
54		5/16" x 2-1/4" Cotter Pin	2
55		1/4" x 2" Cotter Pin	1
56	DW25	Hair Pin Cotter	1
57		3/8" x 3" Cotter Pin	2
58	DHS170	Hitch Jack (Optional)	1
59		1" Lockwasher	4
60		1" x 2-1/2" N.C. Hex Bolt	4

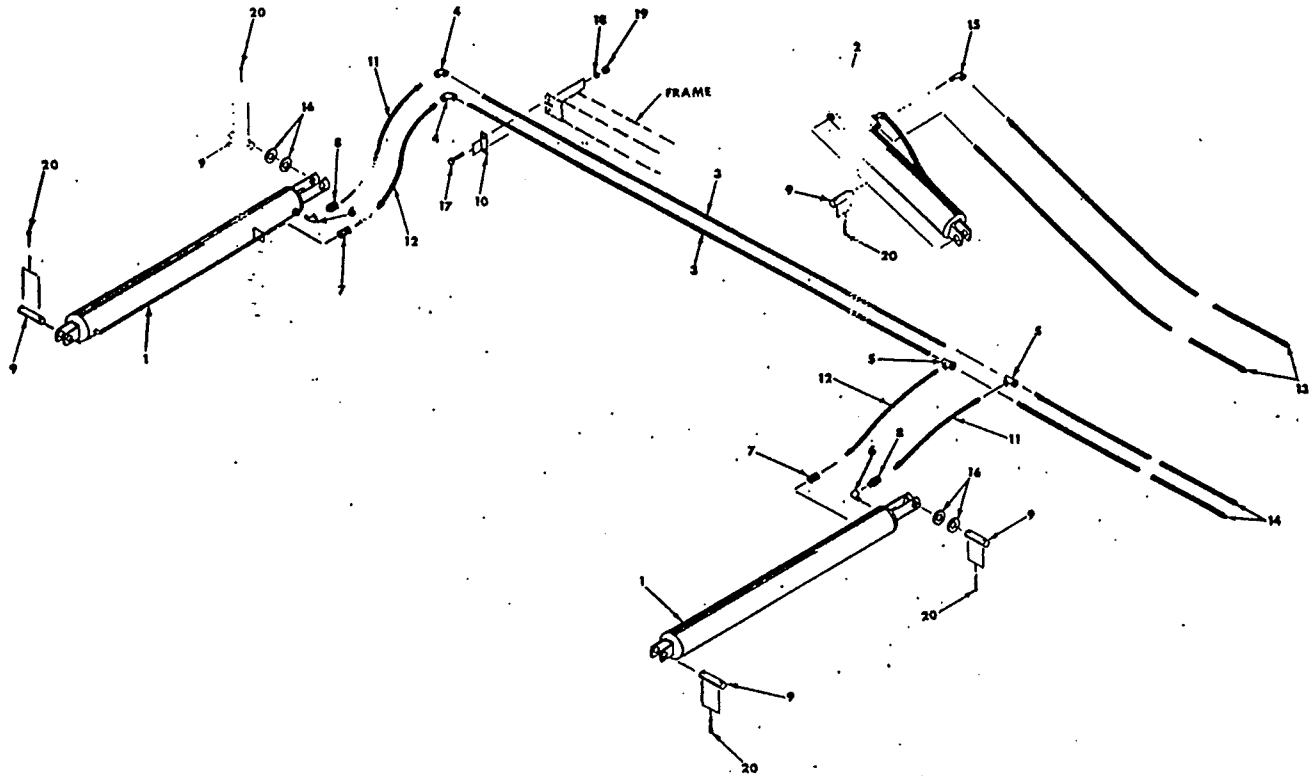
MODEL 2600-2650 DOUBLE OFFSET DISC



ROCKSHAFT AND WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRAS266	Main Frame Rockshaft	1
2	DRAS233	Wing Rockshaft	1
3	DRAS213	Rockshaft Link - Male Half	1
4	DRAS210	Rockshaft Link - Female Half	1
5	DRAS268	Wheel Leg Spacer - 11-3/4" Long	1
6	DRAS245	Lock-up Strap	1
7	DRAS248	Lock-up Pin	1
8	DRAS237	Spindle	1
9	DR122	Grease Seal NOK # AF7879E	6
10	DR120	Inner Cone Bearing #25580	6
11	DR118	Inner Cup #25520	6
12	DR99	Hub - c/w cups	6
13	DR92	Outer Cup - #LM 48510	6
14	DR91	Outer Cone Bearing #LM 48548	6
15		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	6
16	DR110	1" N.F. Hex Slotted Nut	6
17	DR123	Hub Cap	6
18	DR5261	15" x 8" Hole Rim (11L x 15 tire)	6
19	DR125	9/16" x 1-1/8" N.F. Wheel Stud	36
20	DR5215	1-1/4" x 4-1/4" N.C. Hex Bolt (Special)	2
21		5/8" x 6" N.C. Hex Bolt	20
22		1" x 3" N.C. Hex Bolt	1
23	DW25	Hair Pin Cotter	1
24		5/8" Lockwasher	20
25		1" Lockwasher	1
26		1-1/4" Lockwasher	2
27		5/8" x 6" N.C. Hex Bolt	20
28		1" Hex Nut	1
29		1-1/4" N.C. Hex Nut	2
30	DR5227	1-1/4" Ball Joint (Weld-On)	3

MODEL 2600-2650 DOUBLE OFFSET DISC

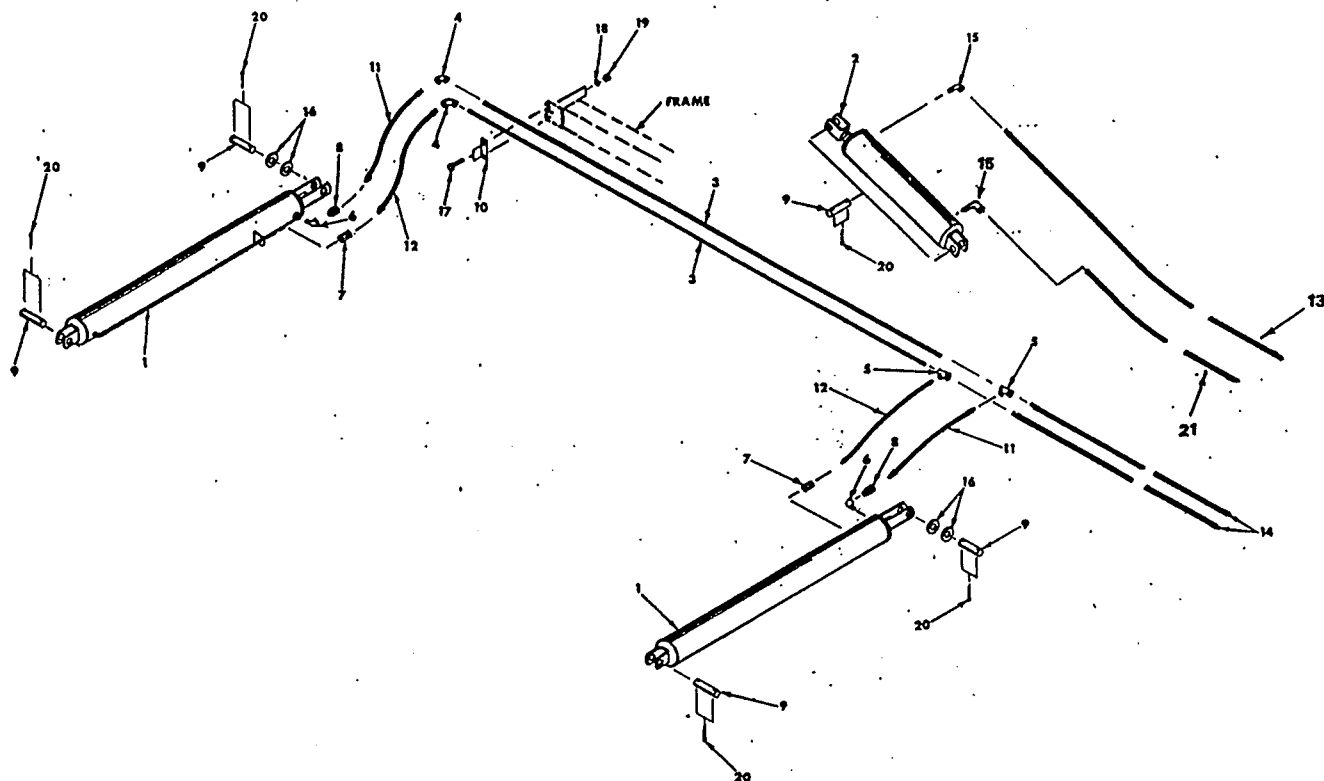


HYDRAULIC SYSTEM FOR DISCS PRIOR TO SERIAL #21738 (For Model 2600 Only)

Ref. No.	Part No.	Description	Qty. Req'd
1	211	5" x 48" Wing Lift Cylinder	2
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control Stop - Less flo-valve, elbows, and hose...	
3	DF5038	Hydraulic Line	1
4	DL11	3/8" x 90 Degree Elbow	2
5	DL5272	3/8" x 1/2" Tee	2
6	L1618	3/8" x 90 Degree Elbow	2
7	L29	3/8" Female Swivel Adapter	2
8	DL5279	3/8" Male - Female Swivel Adapter (Restricted Orifice)	2
9	DR5252	Cylinder Pin	6
10	DF5066	Oil Line Clamp Plate	1

Ref. No.	Part No.	Description	Qty Req'd
11	L2937	3/8" x 30" Hose	2
12	L2907	3/8" x 36" Hose	2
13	L2962	1/2" x 186" Hose	2
14	L3004	3/8" x 132" Hose -w/1/2" Ends	2
15	DL5271	1/2" x 90 Degree Street Elbow	1
16	DG5068	Spacer Washer	
17		1/2" x 2" Hex Bolt	4
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	2

MODEL 2600-2650 DOUBLE OFFSET DISC

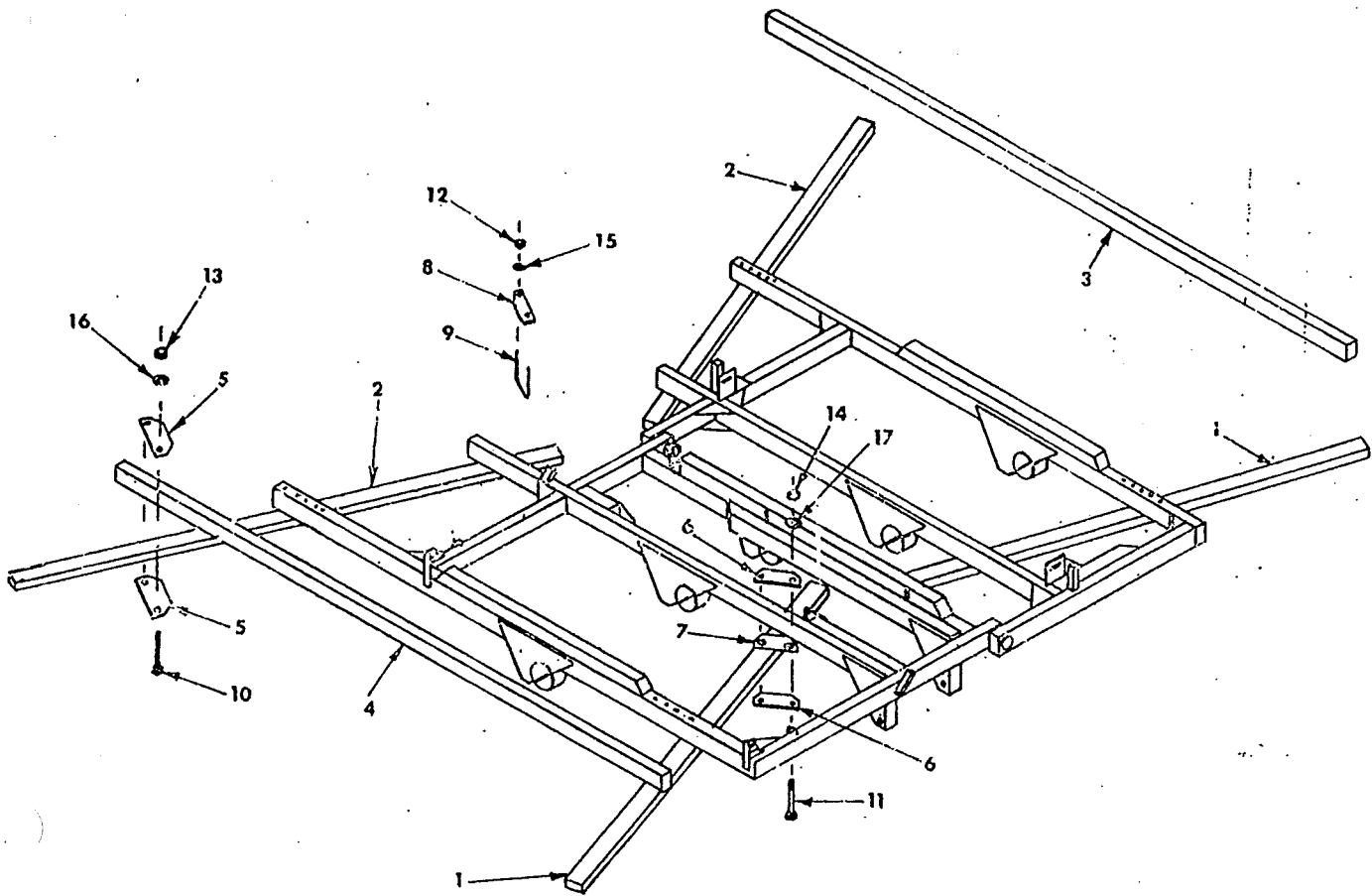


HYDRAULIC SYSTEM FOR DISC WITH SERIAL #21738 AND UP
(For Model 2600 & 2650)

Ref. No.	Part No.	Description	Qty. Req'd
1	211	5" x 48" Wing Lift Cylinder	2
2	239	5" x 24" Rockshaft Cylinder	1
3	DF5038	Hydraulic Line	2
4	DL11	3/8" x 90 Degree Elbow	2
5	DL5272	3/8" x 1/2" Tee	2
6	DL5283	3/8" x 90 Degree Street Elbow - (Steel)	2
7	L29	3/8" Female Swivel Adapter	2
8	DL5279	3/8" Male - Female Swivel Adapter (Restricted Orifice) Cylinder Pin	2
9	DR5252	Oil Line Clamp Plate	6
10	DF5066		1

Ref. No.	Part No.	Description	Qty. Req'd
11	L2937	3/8" x 30" Hose	1
12	L2907	3/8" x 36" Hose	2
13	L2964	1/2" x 198" Hose	2
14	L2921	3/8" x 144" Hose w/1/2" Ends	1
15	DL9777	1/2" x 90 Degree Street Elbow - (Steel)	2
16	DF5068	Spacer Washer	1
17		1/2" x 2" Hex Bolt	4
18		1/2" Lockwasher	2
19		1/2" N.C. Hex Nut	2
20		1/4" x 1-1/2" Cotter Pin	2
21	L2961	1/2" x 174" Hose	12

MODEL 2600-2650 DOUBLE OFFSET DISC



GANG BEAMS AND STABILIZER BEAMS

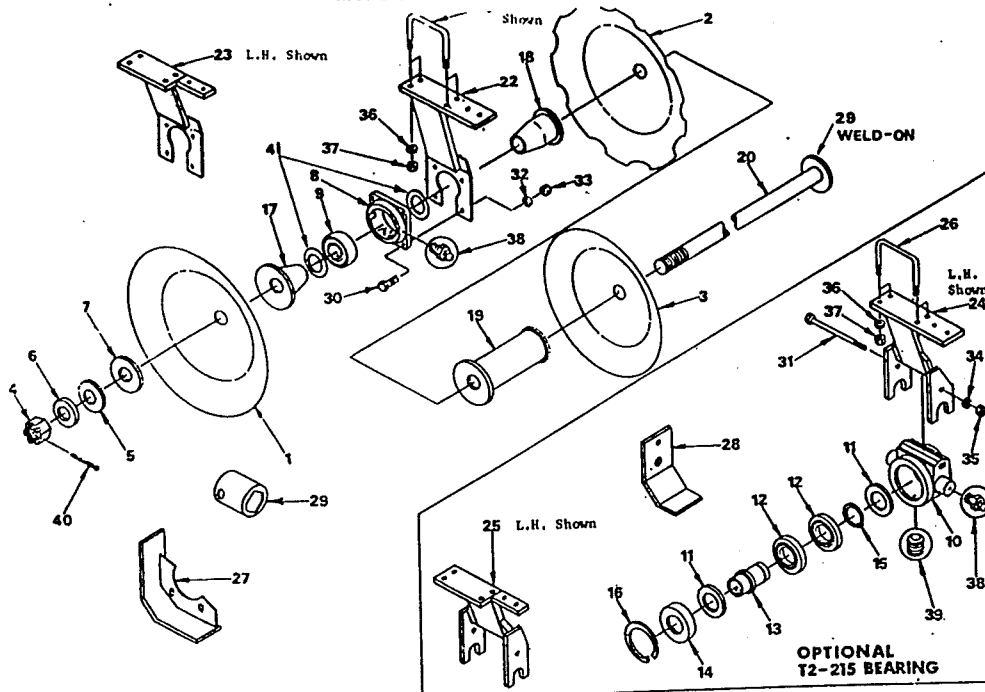
Ref. No.	Part No.	Description	Qty. Req'd
1		FRONT GANG BEAM FOR 9" SPACING DISC	
	DBS126	126" Gang Beam - 58 Blade Disc	2
	DBS132	132" Gang Beam - 62 Blade Disc	2
	DBS144	144" Gang Beam - 66 Blade Disc	2
	DBS150	150" Gang Beam - 70 Blade Disc	2
	DBS162	162" Gang Beam - 74 Blade Disc	2
	DBS168	168" Gang Beam - 78 Blade Disc	2
	DBS180	180" Gang Beam - 82 Blade Disc	2
		FRONT GANG BEAM FOR 10-1/2" SPACING DISC	
	DBS120	120" Gang Beam - 50 Blade Disc	2
	DBS132	132" Gang Beam - 54 Blade Disc	2
	DBS144	144" Gang Beam - 58 Blade Disc	2
	DBS156	156" Gang Beam - 62 Blade Disc	2
	DBS162	162" Gang Beam - 66 Blade Disc	2
	DBS174	174" Gang Beam - 70 Blade Disc	2
		FRONT GANG BEAM FOR 12" SPACING DISC	
	DBS114	114" Gang Beam - 42 Blade Disc	2
	DBS126	126" Gang Beam - 46 Blade Disc	2
	DBS138	138" Gang Beam - 50 Blade Disc	2
2		REAR GANG BEAM FOR 9" SPACING DISC	
	DBS132	132" Gang Beam - 58 Blade Disc	2
	DBS144	144" Gang Beam - 62 Blade Disc	2
	DBS150	150" Gang Beam - 66 Blade Disc	2
	DBS162	162" Gang Beam - 70 Blade Disc	2
	DBS168	168" Gang Beam - 74 Blade Disc	2
	DBS174	174" Gang Beam - 78 Blade Disc	2
	DBS186	186" Gang Beam - 82 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
		REAR GANG BEAM FOR 10-1/2" SPACING DISC	
	DBS132	132" Gang Beam - 50 Blade Disc	2
	DBS144	144" Gang Beam - 54 Blade Disc	2
	DBS156	156" Gang Beam - 58 Blade Disc	2
	DBS162	162" Gang Beam - 62 Blade Disc	2
	DBS174	174" Gang Beam - 66 Blade Disc	2
	DBS186	186" Gang Beam - 70 Blade Disc	2
		REAR GANG BEAM FOR 12" SPACING DISC	
	DBS126	126" Gang Beam - 42 Blade Disc	2
	DBS138	138" Gang Beam - 46 Blade Disc	2
	DBS150	150" Gang Beam - 50 Blade Disc	2
	DBS162	162" Gang Beam - 54 Blade Disc	2
	DBS174	174" Gang Beam - 58 Blade Disc	2
	DBS186	186" Gang Beam - 62 Blade Disc	2
3	DBS237*	237" Stabilizer Beam - Used on Larger Models	1
4	DBS219*	219" Stabilizer Beam - Used on Larger Models	1
5	DG161	Clamp Plate - Stabilizer Beams Only	8
6	DG167	Clamp Plate - Gang Beam	16
7	DG163	Front Gang Beam Shim - Used to prevent front gang from riding	*
8	DG5360	Thrust Block	4
9	DG5314	7/8" x 6" U-Bolt	4
10		1" x 14" N.C. Hex Bolt - Used on stabilizer beams only	8
11		1-1/4" x 14" N.C. Hex Bolt	16
12		7/8" N.C. Hex Nut	8
13		1" N.C. Hex Nut	8
14		1-1/4" N.C. Hex Nut	16
15		7/8" Lockwashers	8
16		2" O.D. x 1-1/32" I.D. x 1/4" Washer	8
17		2" O.D. x 1-9/32" I.D. x 1/4" Washer	16

* / NO NOT USE AS GANG BEAM

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MODEL 2600-2650 DOUBLE OFFSET DISC

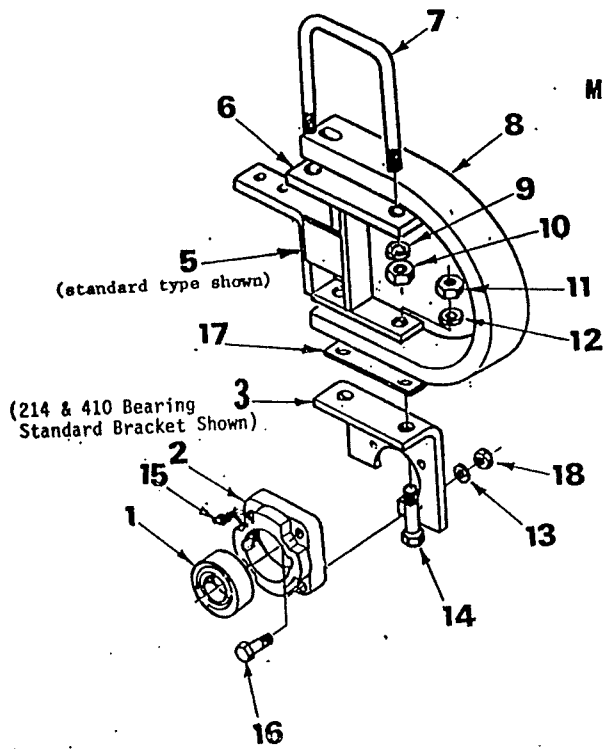


DISC GANG ASSEMBLY

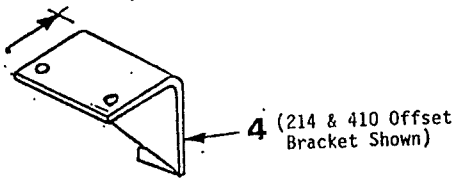
Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG76	24" x 7 mm (.275) Plain Disc Blade	*		DGA70	10 Blade Gang Bolt - 89-1/2" Long	*
	DG137	24" x 8 mm (5/16") Plain Disc Blade	*		DGA71	11 Blade Gang Bolt - 98-3/4" Long	*
	DG74	26" x 8 mm (5/16") Plain Disc Blade	*		DGA72	12 Blade Gang Bolt - 108" Long	*
	DG141	26" x 7 mm (.275) Cone Disc Blade - Solid	*		DGA73	13 Blade Gang Bolt - 117-1/2" Long	*
	DG157	26" x 8 mm (5/16") Cone Disc Blade - Solid	*			GANG BOLT FOR 10-1/2" SPACING c/w WELD-ON WASHER DGAS370	
2	DG138	24" x 8 mm (5/16") Notched Disc Blade	*		DGA75	5 Blade Gang Bolt - 48-1/2" Long	*
	DG75	26" x 8 mm (5/16") Notched Disc Blade	*		DGA76	6 Blade Gang Bolt - 60" Long	*
	DG61	22" x 7 mm (.275) Notched Outrigger Blade	*		DGA77	7 Blade Gang Bolt - 70-1/2" Long	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*		DGA78	8 Blade Gang Bolt - 81-1/4" Long	*
	DG60	22" x 7 mm (.275) Plain Outrigger Blade	*		DGA79	9 Blade Gang Bolt - 92" Long	*
4	DG82	2" N.C. Heavy Hex Slotted Nut	*		DGA80	10 Blade Gang Bolt - 103" Long	*
5	DG89	1/4" Shim Washer	*		DGA81	11 Blade Gang Bolt - 113-3/4" Long	*
6	DG88	1/2" Shim Washer	*		DGA83	13 Blade Gang Bolt - 135-1/2" Long	*
7	DG78	5" O.D. x 2" I.D. Head Washer	*			GANG BOLT FOR 12" SPACING c/w WELD-ON WASHER DGAS370	
8	DGB5335	214 Series Housing c/w Bearing and Grease Fitting	*		DGA87	5 Blade Gang Bolt - 55-1/2" Long	*
	DGB109	410 Series Housing c/w Bearing and Grease Fitting - Option	*		DGA115	6 Blade Gang Bolt - 67-3/4" Long	*
9	DG38	214 Series Greaseable Bearing	*		DGA69	7 Blade Gang Bolt - 80" Long	*
	DG108	410 Series Greaseable Bearing - Option	*		DGA79	8 Blade Gang Bolt - 92" Long	*
10	DG9900	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, Sleeve, Snap Rings and Cap - Option	*		DGA118	9 Blade Gang Bolt - 104-3/4" Long	*
	DG9901	T2-215 Bearing Housing	*		DGA119	10 Blade Gang Bolt - 117" Long	*
11	DG9905	T2-215 Bearing Seal	*		DGA120	11 Blade Gang Bolt - 129" Long	*
12	DG9904	Ball Bearing (#6215)	*		DGA121	12 Blade Gang Bolt - 141-3/4" Long	*
13	DG9906	Sleeve	*	21	DGA35	Socket Wrench	1
14	DG9902	Bearing Housing Cap	*	22	DGA5318	R.H. Bearing Hanger - 214 and 410 Series Bearing	*
15	DG9910	Internal Snap Ring (Phillip French Sales #D1400-75)	*		DGA5319	L.H. Bearing Hanger - 214 and 410 Series Bearing	*
16	DG9911	External Snap Ring (Phillip French Sales #D1300-130)	*	23	DGA5322	R.H. 2" Offset Bearing Hanger - 214 and 410 Series Bearings	*
17	DGA106	9" and 10-1/2" Spacing Short Half Spool For 214 & 410 Bearing 3-1/4" Long	*		DGA5323	L.H. 2" Offset Bearing Hanger - 214 and 410 Series Bearings	*
		(Convex Side) w/6" Washer	*	24	DGA10566	R.H. Trunion Mounted Bearing Hanger - T2-215 Bearing	*
	DGA110	12" Spacing Short Half Spool For 214 & 410 Bearing 4-3/4" Long (Convex Side) w/6" Washer	*		DGA10567	L.H. Trunion Mounted Bearing Hanger - T2-215 Bearing	*
		(Concave Side) w/6" Washer	*	25	DGA10568	R.H. 2" Offset Trunion Mounted Bearing Hanger - T2-215 Bearing	*
	DGA10563	9" and 10-1/2" Spacing Short Half Spool For T2-215 Trunion Mounted Bearing 1-3/8" Long (Convex Side) w/6" Washer	*		DGA10569	L.H. 2" Offset Trunion Mounted Bearing Hanger - T2-215 Bearing	*
		(Concave Side) w/6" Washer	*	26	DG53	U-Bolt 7/8" x 6-3/8" Long	*
	DGA10572	12" Spacing Short Half Spool For T2-215 Trunion Mounted Bearing, 2-7/8" Long (Convex Side) w/6" Washer	*	27	DGA39	R.H. Sand Guard For 214 and 410 Series Bearing (California Only)	*
		(Concave Side) w/6" Washer	*		DGA40	L.H. Sand Guard For T2-215 Bearing (California Only)	*
18	DGA104	10-1/2" and 12" Spacing Long Half Spool For 211 Bearings 5-5/16" Long (Convex Side)	*	28	DG10590	Sand Guard For T2-215 Bearing (California Only)	*
		(Concave Side)	*	29	DGA5370	5" O.D. Weld-On Gang Washer	*
	DGA105	10-1/2" and 12" Spacing Long Half Spool For 214 Bearings 5-11/16" Long (Convex Side)	*	30		5/8" x 2-1/4" N.C. Hex Bolt - 214 and 410 Series Bearing	*
		(Concave Side)	*			5/8" x 2-1/2" N.C. Hex Bolt - 214 and 410 Series Bearing with Sand Guard	*
	DGA136	9" Spacing Long Half Spool for 410 Bearing 5" Dia. 3-11/16" Long (Concave Side)	*	31		5/8" x 10" N.C. Hex Bolt	*
		(Convex Side)	*	32		5/8" Lockwasher - 214 and 410 Series Bearings	*
	DGA131	10-1/2" and 12" Spacing Long Half Spool for 410 Bearings 5-1/4" Long (Concave Side)	*	33		5/8" N.C. Hex Nut - 214 and 410 Series Bearings	*
		(Convex Side)	*	34		5/8" Lockwasher	*
	DGA10571	9" Spacing Long Half Spool for T2-215 Trunion Mounted Bearing 2-11/16" Long (Concave Side)	*	35		5/8" N.C. Hex Nut	*
		(Convex Side)	*	36		7/8" Lockwasher	*
	DGA103	10-1/2" and 12" Spacing Long Half Spool For T2-215 Trunion Mounted Bearing 4-3/16" Long (Concave Side)	*	37		7/8" N.C. Hex Nut	*
		(Convex Side)	*	38	10GN1	1/4" - 28" Grease Fitting	*
19	DGA100	9" Spacing Spool - 6" Dia. One End	*	39	DG9912	Set Screw	*
	DGA101	10-1/2" Spacing Spool - 6" Dia. One End	*	40	DGA10310	7/16" x 3" Lock Pin	*
	DGA111	12" Spacing Spool - 6" Dia. One End	*	41	DG237	214 Bearing Shield (214 Bearing ONLY)	*
		GANG BOLT FOR 1" SPACING c/w WELD-ON WASHER DGAS370	*				
	DGA66	6 Blade Gang Bolt - 52" Long	*				
	DGA67	7 Blade Gang Bolt - 61-3/4" Long	*				
	DGA68	8 Blade Gang Bolt - 71" Long	*				
	DGA69	9 Blade Gang Bolt - 80" Long	*				

* As Required

MODEL 2600-2650 DOUBLE OFFSET DISC



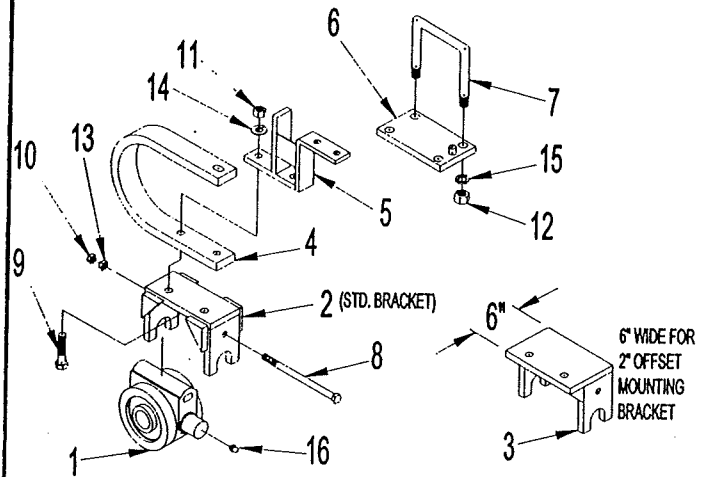
3-1/8" wide for std. (approx.)
 4-1/2" wide for 1-1/2" offset (approx.)
 5-1/8" wide for 2-1/2" offset (approx.)



STONE FLEX HANGER FOR 214 OR 410 SERIES BEARINGS

Ref. No.	Part No.	Description	Qty. Req'd
1	DG38	Greaseable 214 Series Bearing	*
	DG108	Greaseable 410 Series Bearing	*
2	DGB5335	Housing, Bearing, 214 Series c/w Bearing & Grease Fitting	*
	DG109	Housing, Bearing, 410 Series c/w Bearing & Grease Fitting	*
3	DGS324	Bracket, Mounting 214 & 410 Series - Standard Stone Flex Hanger	*
4	DGA5376	Bracket, Mounting 214 & 410 Series - 1-1/2" Offset Stone Flex Hanger	*
	DGA5341	Bracket, Mounting 214 & 410 Series - 2-1/2" Offset Stone Flex Hanger	*
5	DGA5333	Bracket, Scraper Bar Support - Used with Standard Bearing Bracket, Arrow 3. Also used with 1-1/2" Offset Bearing Bracket, Arrow 4. This is used with 26" Cone Blades on 9" Spacing.	*
	DGA5336	Bracket, Scraper Bar Support - Left Hand Front or Left Hand Rear Gang - Used with 2-1/2" Offset Bearing Bracket, Arrow 4, Only.	*
	DGA5337	Bracket, Scraper Bar Support - Right Hand Front or Left Hand Rear Gang - Used with 2-1/2" Offset Bearing Bracket, Arrow 4, Only.	*
6	DGA5328	Backing Plate	*
7	DGS325	7/8" x 7-5/8" Long U-Bolt	*
8	DGS313	1-1/4" x 2-1/2" Shank Spring	*
9		7/8" Lockwasher	*
10		7/8" N.C. Hex Nut	*
11		3/4" N.C. Hex Nut	*
12		3/4" Lockwasher	*
13		5/8" Lockwasher, 214 & 410 Series	*
14		3/4" x 3-1/2" N.C. Hex Bolt	*
		3/4" x 4-1/2" N.C. Hex Bolt	*
15	10GN1	1/4" - 28 SAE Straight Grease Fitting	*
16		5/8" x 2-1/4" N.C. Hex Bolt, 214 & 410 Series	*
		5/8" x 2-1/2" N.C. Hex Bolt, 214 & 410 Series with Sand Guard	*
17	DGS332	Shim - Used with Discs with 26" Cone Blades and Discs with 26" Standard Blades on 9" Spacing	*
		NOTE - DISC SHIPPED AFTER JULY 15, 1988, SHIM IS NO LONGER REQUIRED FOR MODELS WITH 10-1/2" AND 12" SPACING REGARDLESS OF BLADE USED.	
18		5/8" N.C. Hex Nut, 214 & 410 Series	*

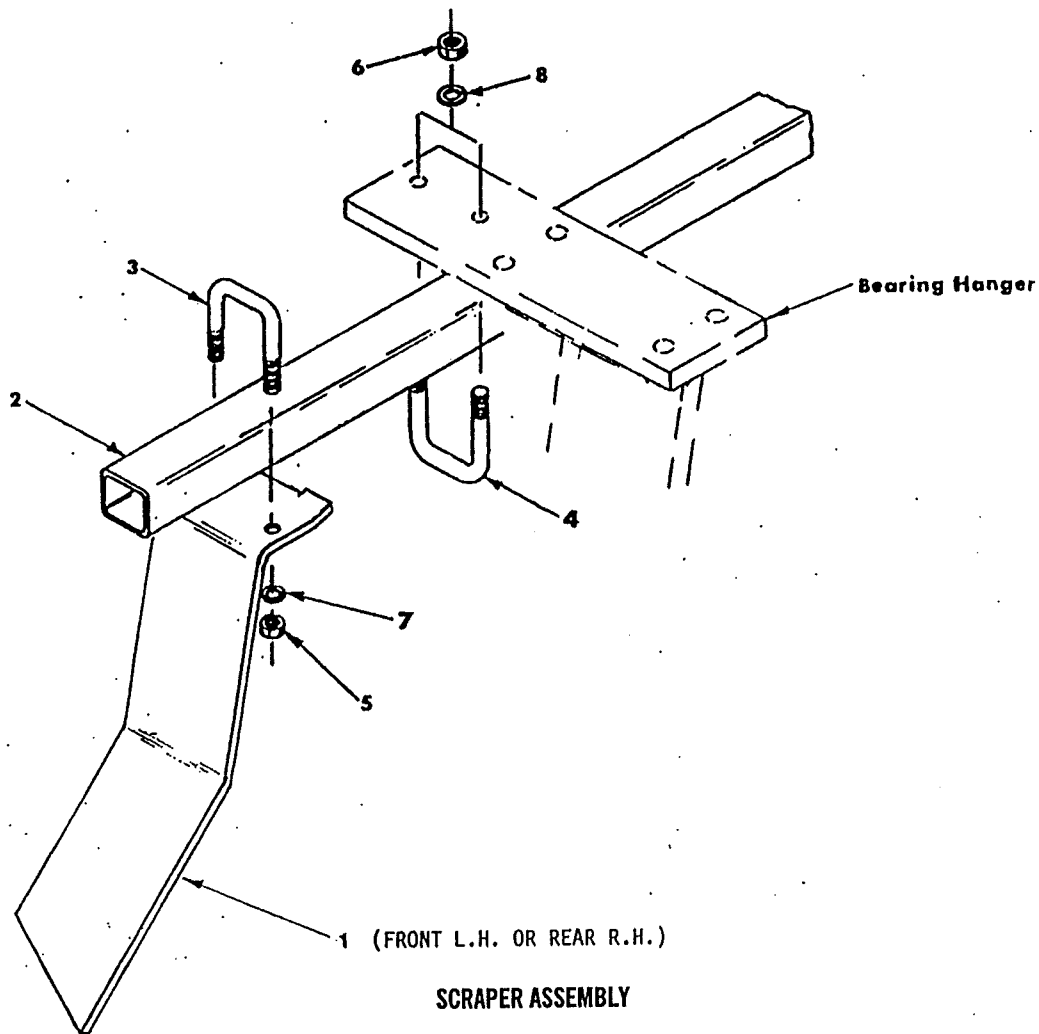
* As Required



STONE FLEX HANGERS FOR T2-215 BEARINGS

Ref. No.	Part No.	Description	Qty. Req'd
1	DG9900	Housing, Heavy Duty Industrial Type, T2-215 Trunion Mounted, c/w Bearings, Seals, Sleeve Snap Rings, & Cap	*
2	DGA10570	Bracket, Standard Mounting, for Trunion Mounted Bearing	*
3	DGA10575	Bracket, 2" Offset Mounting, for Trunion Mounted Bearing	*
4	DGS313	Shank, Spring, 1-1/4" x 2-1/2"	*
5	DGS333	Bracket, Scraper Bar Support, for Standard	*
	DGS336	Bracket, Scraper Bar Support, for 2" Offset Hanger, used on Front L.H. Gang or Rear R.H. Gang	*
	DGS337	Bracket, Scraper Bar Support, for 2" Offset Hanger, used on Front R.H. Gang or Rear L.H. Gang	*
6	DGA5328	Plate, Backing	*
7	DGS325	U-Bolt, 7/8" x 7-5/8" Long	*
8		5/8" x 10" N.C. Hex Bolt	*
9		3/4" x 3-1/2" N.C. Hex Bolt	*
10		5/8" N.C. Hex Nut	*
11		3/4" N.C. Hex Nut	*
12		7/8" N.C. Hex Nut	*
13		5/8" Lockwasher	*
14		3/4" Lockwasher	*
15		7/8" Lockwasher	*
16	10GN1	Fitting, Grease, 1/4" - 28"	*

MODEL 2600-2650 DOUBLE OFFSET DISC

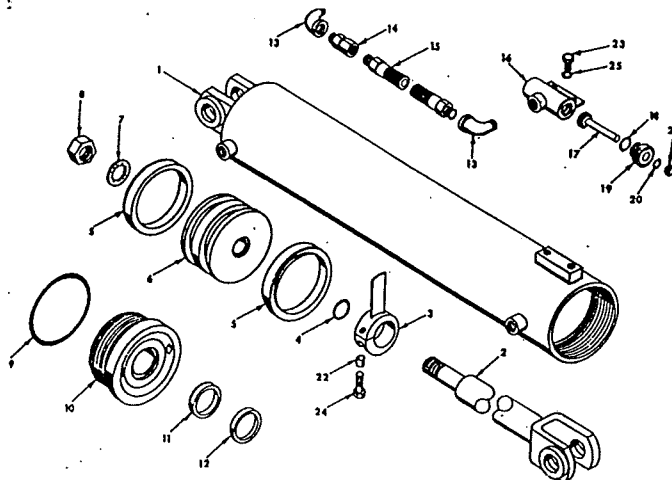
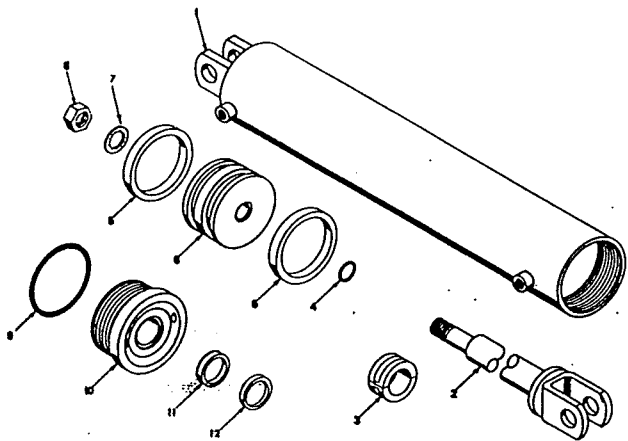


SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	L.H. Front, R.H. Rear Scraper	*
	DG5301	R.H. Front, L.H. Rear Scraper	*
	DG5304	L.H. Front, R.H. Rear Scraper (Cone Blades ONLY)	*
	DG5305	R.H. Front, L.H. Rear Scraper (Cone Blades ONLY)	*
2		<u>SCRAPER BAR FOR 8" SPACING DISCS</u>	
	DS55	6 Blade Scraper Bar - 55"	*
	DS64	7 Blade Scraper Bar - 64"	*
	DS73	8 Blade Scraper Bar - 73-1/2"	*
	DS82	9 Blade Scraper Bar - 82"	*
	DS92	10 Blade Scraper Bar - 92"	*
	DS101	11 Blade Scraper Bar - 101-1/2"	*
	DS110	12 Blade Scraper Bar - 110"	*
	DS120	13 Blade Scraper Bar - 120"	*
		<u>SCRAPER BAR FOR 10-1/2" SPACING DISCS</u>	
	DS52	5 Blade Scraper Bar - 52"	*
	DS62	6 Blade Scraper Bar - 62-1/2"	*
	DS73	7 Blade Scraper Bar - 73-1/2"	*
	DS82	8 Blade Scraper Bar - 82"	*
	DS94	9 Blade Scraper Bar - 94-1/2"	*
	DS105	10 Blade Scraper Bar - 105"	*
	DS115	11 Blade Scraper Bar - 115-1/2"	*
	DS138	13 Blade Scraper Bar - 138"	*
		<u>SCRAPER BAR FOR 12" SPACING DISC</u>	
	DS58	5 Blade Scraper Bar - 58"	*
	DS70	6 Blade Scraper Bar - 70"	*
	DS82	7 Blade Scraper Bar - 82"	*
	DS94	8 Blade Scraper Bar - 94-1/2"	*
	DS107	9 Blade Scraper Bar - 107"	*
	DS120	10 Blade Scraper Bar - 120"	*
	DS132	11 Blade Scraper Bar - 132"	*
	DS144	12 Blade Scraper Bar - 144"	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut (Plated)	*
6		5/8" N.C. Hex Nut (Plated)	*
7		1/2" Lockwasher (Plated)	*
8		5/8" Lockwasher (Plated)	*

* As Required

MODEL 2600-2650 DOUBLE OFFSET DISC



ROCKSHAFT CYLINDER N-4 NUT TYPE

(Model 2600-2650 Discs shipped 1990 and up used cyl. 267)

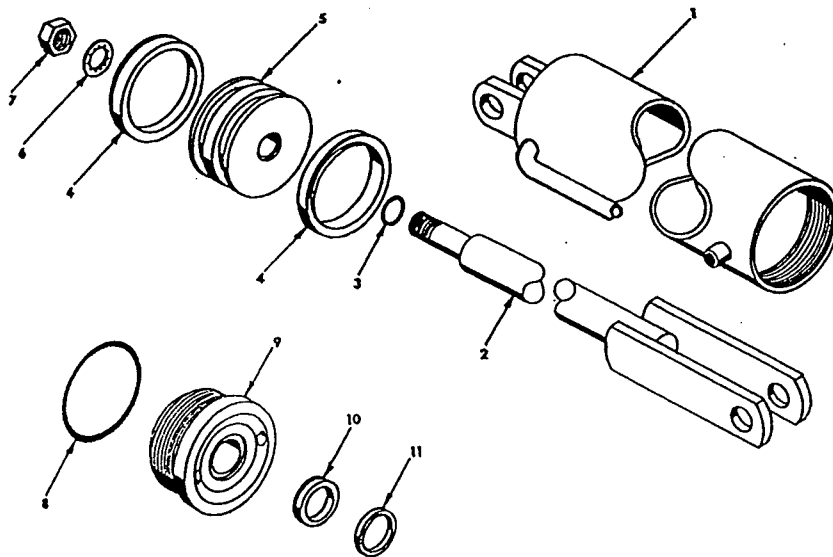
Ref. No.	Part No.	Description	Qty. Req'd	
			Cyl. #239	Cyl. #267
1	50TU9	Tube Assembly - 5" x 24"	1	1
2	10SH51	Shaft - 1-3/4" x 24" c/w 1-1/4" stub NOTE: For models equipped with # 10SH50 shaft 1" stub. Order # 10SH51. You must also order new nut # 10NU3 and new piston # 50PB2, plus a new O-ring # 10OR19. Old piston can be modified to work by enlarging inner hole from 1" to 1-1/4" and making 1/2" recess for nut.	1	1
3	CR50711	Depth Control Stop Ring - 1" Long	1	1
	CR50712	Depth Control Stop Ring - 1-1/2" Long	1	1
	CR50713	Depth Control Stop Ring - 1-3/4" Long	1	1
	CR50714	Depth Control Stop Ring - 2" Long	1	1
	CR50717	Depth Control Stop Ring - 4-1/4" Long	1	1
4	10OR19	1-1/8" I.D. x 1-1/4" O.D. O-ring for 1-1/4" stub	1	1
	10OR18	1" I.D. x 1-1/4" O.D. O-ring for 1" stub	1	
5	50CU1	U-cup - 4-1/2" x 5" x 9/16"	2	2
6	50PB2	Piston - 5" O.D. x 2-1/2" Long (w/1-1/4" I.D.)		1
	50PB1	Piston - 5" O.D. x 2-1/2" Long (w/1" I.D.)	1	
7	10SW2	Internal Star Washer - 1" I.D. for 1" stub	1	
8	10NU2	1" - 14 UNF Hex Nut	1	N/R
	10NU3	1-14" - 12 UNF Hex Locking Nut		1
9	10OR14	1/4" x 5" O.D. O-ring	1	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1	1
11	10RS3	Rod Seal - 1-3/4" I.D. x 2-1/8" x 3/8"	1	1
12	10WS3	Wiper Seal - 1-3/4" I.D. x 2-1/8" x 3/16"	1	1

ROCKSHAFT CYLINDER N4-NUT TYPE

(For Model 2600 Discs prior to serial #21738)

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU2	Tube Assembly - 5" x 24"	1
2	10SH26	Shaft - 1-3/4" x 24"	1
3	DCA6	Depth Control Stop c/w Spacer Item 22 and Bolt Item 24	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
5	50CU1	U-Cup - 4-1/2" x 5" x 9/16"	2
6	50PB1	Piston - 5" O.D. x 2-1/2" (w/1" I.D.)	1
7	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR14	1/4" x 5" O.D. O-Ring	1
10	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
11	10RS3	Rod Seal - 1-3/4" I.D. x 2-1/8" x 3/8"	1
12	10WS3	Wiper Seal - 1-3/4" I.D. x 2-1/8" x 3/16"	1
13	DL5271	1/2" x 90 Degree Street Elbow	2
14	DC27	1/2" Male - Female Swivel	1
15	H25-1	1/2" x 25" Hose	1
16	DCA7	Depth Control Assembly - c/w Piston, Plug, Two O-Rings and Wiper Seal	1
17	DC28	Piston	1
18	DC29	1/6" x 1" O.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" I.D. x 5/8" x 3/16"	1
22	DC33	Spacer	1
23		1/2" x 7/8" N.C. Hex Bolt	2
24		3/8" x 1-3/4" N.C. Hex Bolt	1
25		1/2" Lockwasher	2

MODEL 2600-2650 DOUBLE OFFSET DISC



WING LIFT CYLINDER - N4 - NUT TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU3	Tube Assembly - 5" x 48"	1
2	10SH27	Shaft - 1-3/4" x 48"	1
3	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
4	50CU1	U-Cup - 4-1/2" x 5" x 9/16"	2
5	50PB1	Piston - 5" O.D. x 1" I.D. x 2-1/2"	1
6	10SW2	Internal Star Washer - 1" I.D.	1
7	10NU2	1" - 14 UNS Hex Nut	1
8	10OR14	1/4" x 5" O.D. O-Ring	1
9	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
10	10RS3	Rod Seal - 1-3/4" I.D. x 2-1/8" x 3/8"	1
11	10WS3	Wiper Seal - 1-3/4" I.D. x 2-1/8" x 3/16"	1

CYLINDER SEAL KITS

Kit No.	Contents	Application
5017N4	2 - 50CU1 - 5/8" Wide U-Cup 4-1/2" x 5" x 9/16" 1 - 1/8" x 1-1/4" O.D. O-Ring 1 - 1/4" x 5" O.D. O-Ring 1 10RS3 Rod Seal 1-3/4" I.D. x 2-1/8" x 3/8" 1 10WS3 Wiper Seal 1-3/4" I.D. x 2-1/8" x 3/16"	5" x 24" Rockshaft Cylinder 5" x 48" Wing Lift Cylinder
DCB4	1 DC29 1/16" x 1" O.D. O-Ring 1 DC20 1/16" x 1/2" O.D. O-Ring 1 DC32 Wiper Seal 3/8" I.D. If Piston is Required, Order Part Number DC28.	Rockshaft Cylinder Depth Control Valve (Used Prior to Series # 21738)

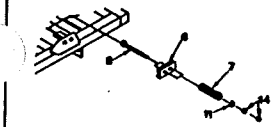


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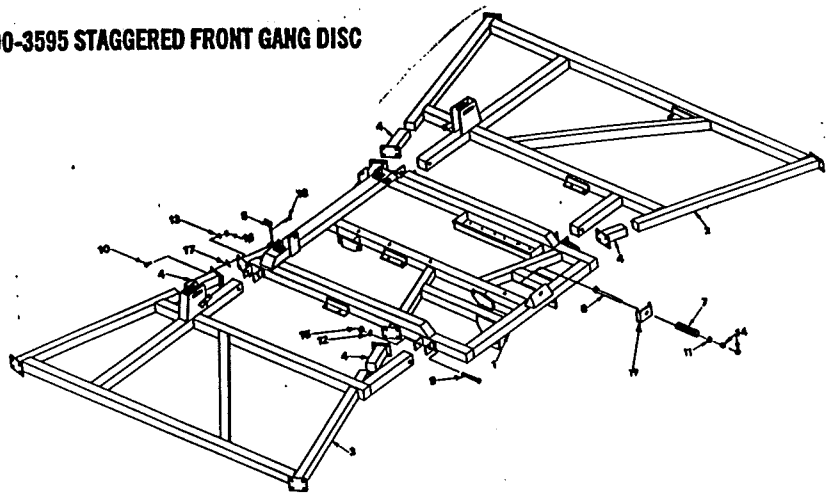


MODEL 3590-3595 STAGGERED FRONT GANG DISC

FOR DISCS WITH DOUBLE SPRING CUSHION PLATE



"SMV" bracket fastens to a bearing hanger

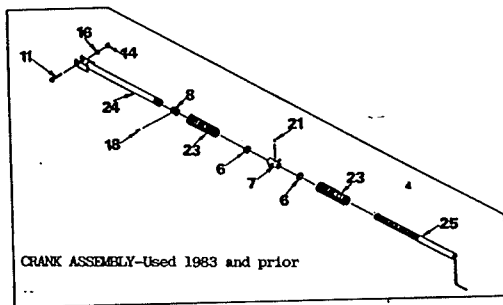


FRAME

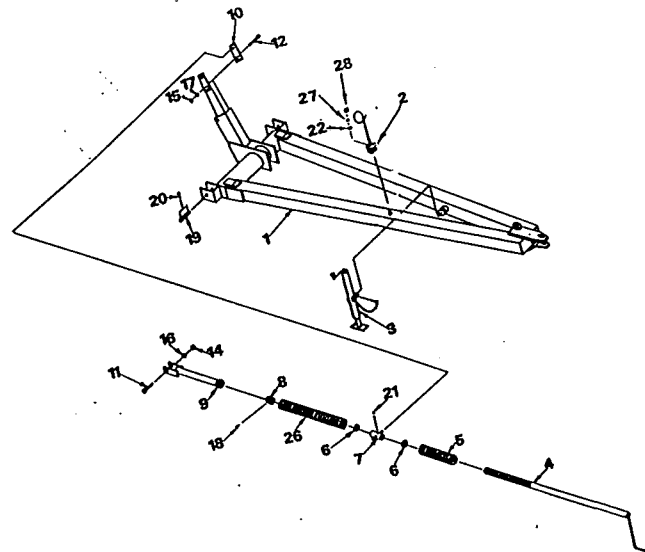
Ref. No.	Part No.	Description	Qty. Req'd
1	DFB10052	Main Frame c/w Hinge Bolts, Nuts, and Lockwashers (Ref. Nos. 9, 12, and 15), Lock-Up Pin (Ref. No. 5), Hair Pin Cotter (Ref. No. 18) and Gang Beam Shims (Ref. No. 17), Two 3/4" x 2-1/2" Bolts, With Nuts and Lockwashers (Ref. Nos. 10,13 and 16)	1
2	DWB10080	L.H. Wide Wing Frame - 93" Overall Width For 29-1/2", Models and Larger. C/w Gang Beam Shims (Ref. No. 17), Two 3/4" x 2-1/2" Bolts, With Nuts and Lockwashers (Ref. Nos. 10,13 and 16)	1
	DWB10010	L.H. Narrow Wing Frame - 65" Overall Width For 27", Models and Smaller. C/w Gang Beam Shims (Ref. No. 17), Two 3/4" x 2-1/2" Bolts, With Nuts and Lockwashers (Ref. Nos. 10,13 and 16)	1
3	DWB10055	R.H. Wide Wing Frame - 93" Overall Width For 29-1/2", Models and Larger. C/w Gang Beam Shims (Ref. No. 17), Two 3/4" x 2-1/2" Bolts, With Nuts and Lockwashers (Ref. Nos. 10,13 and 16)	1
	DWB10090	R.H. Narrow Wing Frame - 65" Overall Width For 27", Models and Smaller. C/w Gang Beam Shims (Ref. No. 17), Two 3/4" x 2-1/2" Bolts, With Nuts And Lockwashers (Ref. Nos. 10, 13, and 16)	1

Ref. No.	Part No.	Description	Qty. Req'd
4	DGA10107	12" Gang Beam Extension	4
5	DFA10027	Lock-Up Pin	2
6	DFA10047	Double Spring Cushion Plate (Model 3590)	1
7	DC9615	10-7/8" Long Compression Spring	*
8		1" x 14" N.C. Hex Bolt	*
9		1-1/4" x 8" N.C. Hex Bolt	4
10		3/4" x 2-1/2" N.C. Hex Bolt	16
11		1" Lockwasher	*
12		1-1/4" Lockwasher	4
13		3/4" Lockwasher	16
14		1" N.C. Hex Nut	2
15		1-1/4" N.C. Hex Nut	4
16		3/4" N.C. Hex Nut	16
17	DF10046	Gang Beam Shim	*
18	DR129	Hair Pin Cotter	2
19	DFA10536	Single Spring Cushion Plate	1
20	CFA50546	SMV Bracket	1

* As Required



CRANK ASSEMBLY-Used 1983 and prior

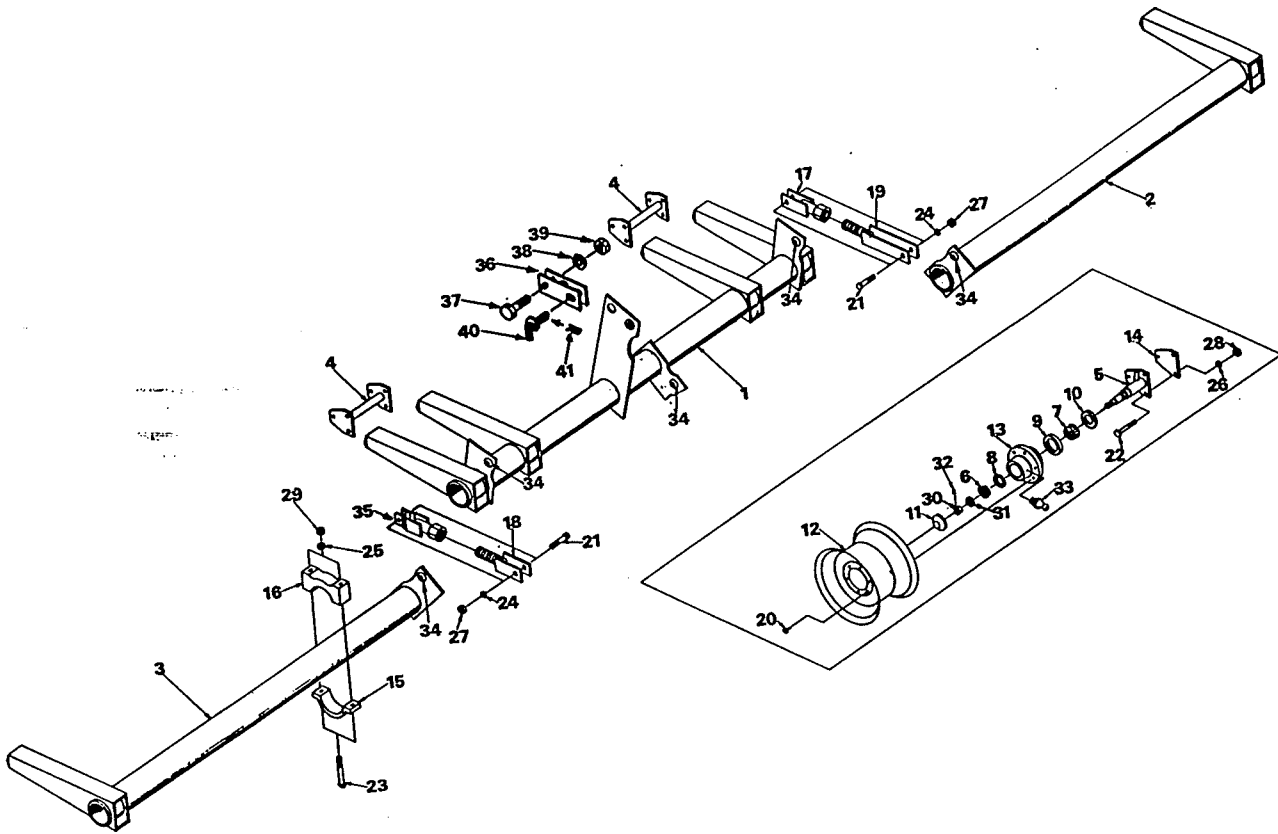


HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DHB10127	Hitch, c/w Levelling Arm Lug (Ref. No. 10), Two Hitch Pins (Ref. No. 19), Cotter Pins (Ref. No. 20), Bolts, Nuts and Lockwashers (Ref. No. 12, 13, 15, 17 and 22)	1
2	DHA5161	Hose Support	1
3	DHB5170	Hitch Jack	1
4	DCA9970	Levelling Crank - 50" Long	1
5	DC9615	Compression Spring - 10-7/8" Long	1
6	DC15	Thrust Bearing - Timken #1199	2
	DCA5184	Bearing Tube - Levelling Crank	1
	DHS	2" N.C. Heavy Hex Nut - Drill For Set Screw	1
	DCA5195	Levelling Link (16-3/4" Pipe Length)	1
10	DHS146	Levelling Arm Lug	1
11	DRS215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
12		1/2" x 5" N.C. Hex Bolt	4
13		1/2" x 1-1/2" N.C. Hex Bolt	1

Ref. No.	Part No.	Description	Qty. Req'd
14		1-1/4" N.C. Hex Nut	1
15		1/2" N.C. Hex Nut	5
16		1-1/4" Lockwasher	1
17		1/2" Lockwasher	5
18		1/2" x 1" N.C. Square Head Set Screw	1
19	DH8562	1-1/4" x 4-1/2" Hitch Pin	2
20		1/4" x 2" Cotter Pin	4
21	10GN1	1/4" - 28 Grease Fitting	1
22		1-3/4" O.D. x 9/16" I.D. Flatwasher	1
23	DCS187	Compression Spring - 5" Long Used 1982 and Prior (Model 3590)	2
24	DCA10122	Levelling Link - (26" Pipe Length) Used 1982 and Prior (Model 3590)	1
25	DCA3	Levelling Crank - 33" Long, Used 1982 and Prior (Model 3590)	1
26	DC9618	Compression Spring - 21-3/8" Long	1

MODEL 3590-3595 STAGGERED FRONT GANG DISC



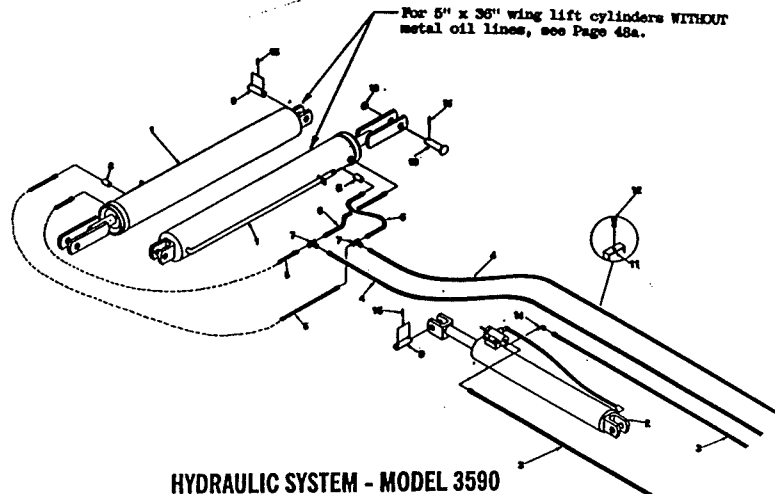
ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA10145	Main Frame Rockshaft	1
2	DRA10135	L.H. Wide Wing Frame Rockshaft - 92-1/2" Long	1
	DRA10139	L.H. Narrow Wing Frame Rockshaft - 65" Long	1
3	DRA10130	R.H. Wide Wing Frame Rockshaft - 92-1/2" Long	1
	DRA10137	R.H. Narrow Wing Frame Rockshaft - 65" Long	1
4	DRA8604	Wheel Leg Spacer	2
5	DRA8	Axle Assembly	*
6	DR91	Cone Bearing #LM48548	*
7	DR120	Cone Bearing #LM25580	*
8	DR92	Cup #LM48510	*
9	DR118	Cup #LM25520	*
10	DR122	Grease Seal	*
11	DR123	Hub Cap	*
12	DR127	15" x 8" - 6 Hole Rim (Use 9.5L x 15 or 11L x 15 Tire)	*
13	DRA9	Hub c/w Cups	*
14	DR76	Axle Backing Plate	*
15	DR8601-B	Rockshaft Bearing - Bottom	7
16	DR8601-T	Rockshaft Bearing - Top	7
17	DRA5210	Rockshaft Link - Female Half - L.H.	1

Ref. No.	Part No.	Description	Qty. Req'd
18	DRA5213	Rockshaft Link - Male Half - R.H.	1
19	DRA9620	Rockshaft Link - Male Half - L.H.	1
20	DR125	Wheel Studs	*
21	DR5215	1-1/4" x 4-1/4" N.C. Hex Bolt	4
22		5/8" x 6" N.C. Hex Bolt	*
23		3/4" x 6-1/2" N.C. Hex Bolt	14
24		1-1/4" Lockwasher	4
25		3/4" Lockwasher	14
26		5/8" Lockwasher	*
27		1-1/4" N.C. Hex Nut	4
28		5/8" N.C. Hex Nut	*
29		3/4" N.C. Hex Nut	14
30	DR110	1" N.F. Hex Slotted Nut	*
31		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	*
32		3/16" x 1-1/4" Cotter Pin	*
33	10GN1	Grease Fitting	*
34	DR5227	1-1/4" Ball Joint (Weld-On)	6
35	DRA10210	Rockshaft Link - Female Half - R.H.	1
36	DRA5245	Lock-Up Strap	1
37		1" x 3" N.C. Hex Bolt	1
38		1" Lockwasher	1
39		1" N.C. Hex Nut	1
40	DRA5248	Lock-up Pin	1
41	DW25	Hair Pin Cotter	1

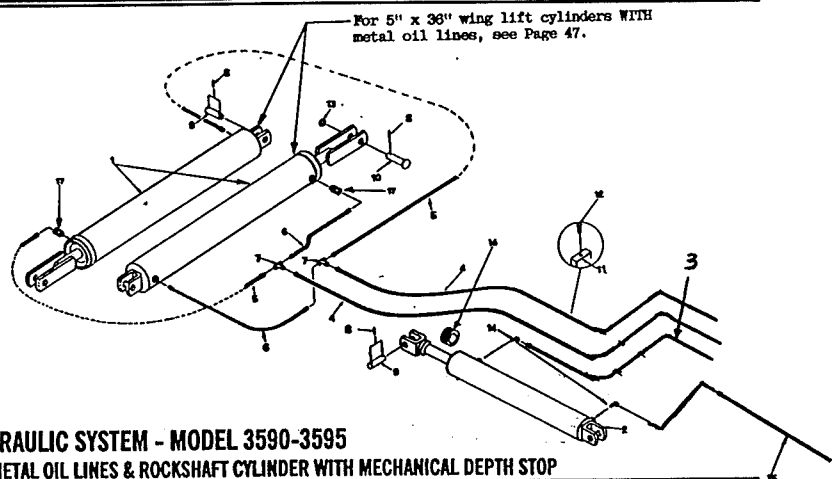
* As Required

MODEL 3590-3595 STAGGERED FRONT GANG DISC



HYDRAULIC SYSTEM - MODEL 3590
WING LIFT CYLINDERS WITH METAL OIL LINES & ROCKSHAFT CYLINDER WITH HYDRAULIC DEPTH STOP

Ref. No.	Part No.	Description	Qty. Req'd
1	214	5" x 36" Wing Lift Cylinder (Order Cylinder #242)	2
2	205	4" x 24" Rockshaft Cylinder (If New Cylinder Is Required, Order Cylinder #241 and Mechanical Depth Stop Segment. Package CRS0724)	1
3	H216-1	1/2" x 216" Hydraulic Hose	2
4	H264-1	1/2" x 264" Hydraulic Hose	2
5	H42	3/8" x 42" Hydraulic Hose	2
6	H30	3/8" x 30" Hydraulic Hose	2
7	DL10150	1/2" x 3/8" x 3/8" Swivel Tee	2
8	DL5280	3/8" Steel Coupler	2
9	DRS252	Cylinder Pin	4
10	DRA10215	Cylinder Pin - 1-1/4" x 5-1/4" Long	2
11	DL9766	2 Hose Hold-Down Clip (For 1/2" Hose)	4
12		1/2" x 1" N.C. Hex Bolt	4
13	DF5068	1-5/16" I.D. x 2" O.D. Washer	6
14	DL9777	1/2" Street Elbow (Steel)	1
15		1/4" x 1-1/2" Cotter Pin	10



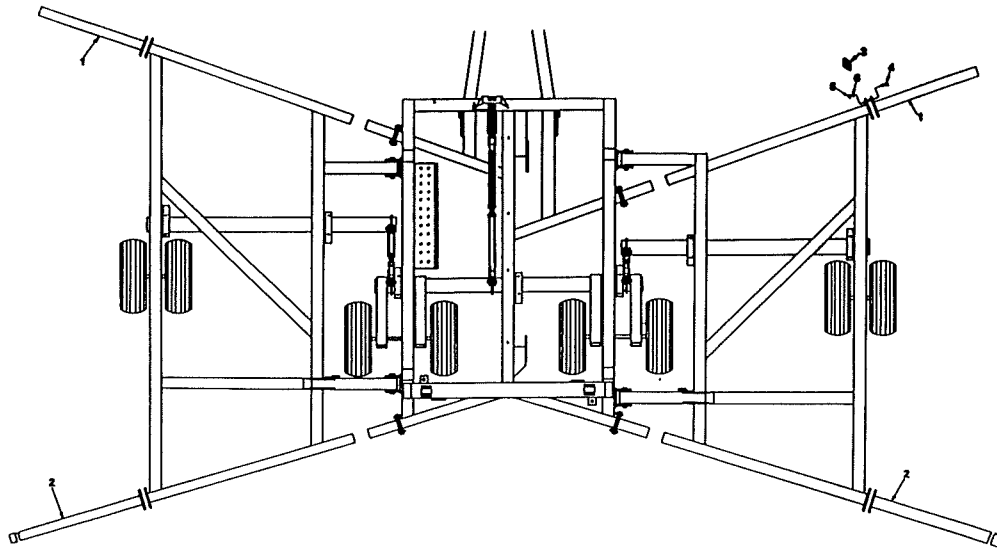
HYDRAULIC SYSTEM - MODEL 3590-3595
WING LIFT CYLINDER WITHOUT METAL OIL LINES & ROCKSHAFT CYLINDER WITH MECHANICAL DEPTH STOP

Ref. No.	Part No.	Description	Qty. Req'd
1	242	5" x 36" Wing Lift Cylinder	2
2	241	4" x 24" Rockshaft Cylinder	1
3	H216-1	1/2" x 216" Hydraulic Hose	1
4	H264-1	1/2" x 264" Hydraulic Hose (Prior to 1987) (Model 3590)	2
	H264-1-3	3/8" x 264" Hydraulic Hose - One 3/8" End, One 1/2" End	2
5	H42	3/8" x 42" Hydraulic Hose	2
6	H30	3/8" x 30" Hydraulic Hose	2
7	DL10150	1/2" x 3/8" x 3/8" Swivel Tee (Prior to 1987) (Model 3590)	2
	DL9767	3/8" x 3/8" x 3/8" Swivel Tee	2
8		1/4" x 1-1/2" Cotter Pin	10
9	DRS252	Cylinder Pin	4
10	DRA10215	Cylinder Pin - 1-1/4" x 5-1/4" Long	2
11	DL9766	2 Hose Hold-Down Clip - For 1/2" Hose	3
12		1/2" x 1" N.C. Hex Bolt	3
13	DF5068	1-5/16" I.D. x 2" O.D. Washer	6
14	DL9777	1/2" Street Elbow (Steel)	2
15	H190-1	1/2" x 190" Hydraulic Hose	1
16	CRS0711	Depth Control Stop Ring - 1" Long	*
	CRS0712	Depth Control Stop Ring - 1-1/2" Long	*
	CRS0714	Depth Control Stop Ring - 2" Long	*
	CRS0717	Depth Control Stop Ring - 4-1/4" Long	*
17	DL5279	3/8" Restricted Orifice Male - Female Swivel	2

For Complete Depth Control Segment Package, Order Part No. CRS0724.

* As Required

MODEL 3590-3595 STAGGERED FRONT GANG DISC

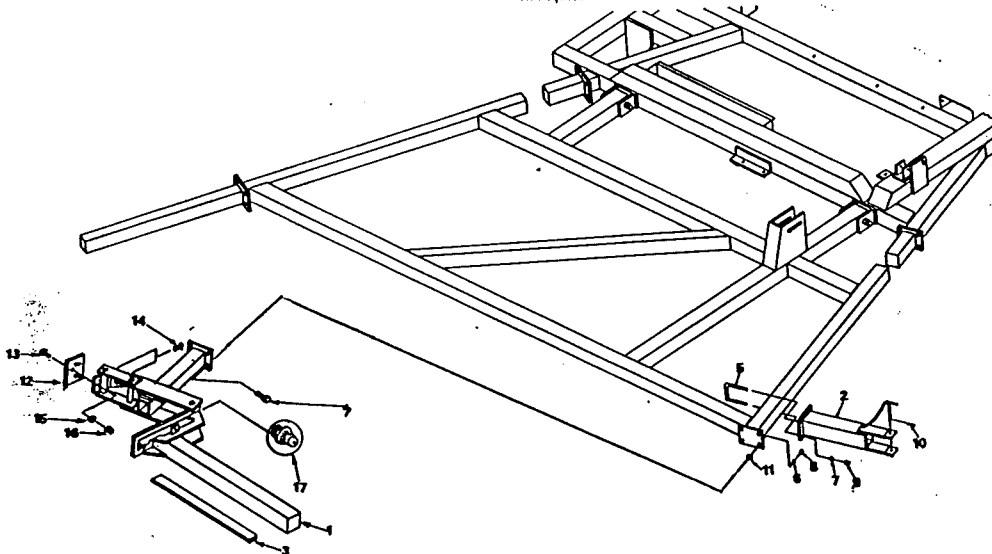


GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DWA10192	FRONT GANG BEAM EXTENSION FOR 8" SPACING MODEL	
	DWA10195	16" Wing Beam Extension - 70 Blade Disc	2
	DWA10198	24" Wing Beam Extension - 74 & 86 Blade Disc	2
		36" Wing Beam Extension - 78, 94, & 94BW Blade Disc	2
		FRONT GANG BEAM EXTENSION FOR 9" SPACING MODEL	
	DWA10192	16" Wing Beam Extension - 62 Blade Disc	2
	DWA10195	24" Wing Beam Extension - 66 & 78 Blade Disc	2
	DWA10198	36" Wing Beam Extension - 70 Blade Disc	2
	DWA10202	42" Wing Beam Extension - 86 & 86BW Blade Disc	2
		REAR GANG BEAM EXTENSION FOR 8" SPACING MODEL	
2	DWA10202	42" Wing Beam Extension - 70 Blade Disc	2
	DWA10208	50" Wing Beam Extension - 74 Blade Disc	2

Ref. No.	Part No.	Description	Qty. Req'd
	DWA10226	58" Wing Beam Extension - 74 Blade Disc	2
	DWA10205	46" Wing Beam Extension - 86 Blade Disc	2
	DWA10229	66" Wing Beam Extension - 94 Blade Disc	2
		REAR GANG BEAM EXTENSION FOR 9" SPACING MODEL	
	DWA10202	42" Wing Beam Extension - 62 Blade Disc	2
	DWA10208	50" Wing Beam Extension - 66 & 78 Blade Disc	2
	DWA10226	58" Wing Beam Extension - 70 Blade Disc	2
	DWA10229	66" Wing Beam Extension - 86 Blade Disc	2
3	DF10046	Gang Beam Shim	*
4		3/4" x 2-1/2" N.C. Hex Bolt	16
5		3/4" N.C. Hex Nut	16
6		3/4" Lockwasher	16

* As Required



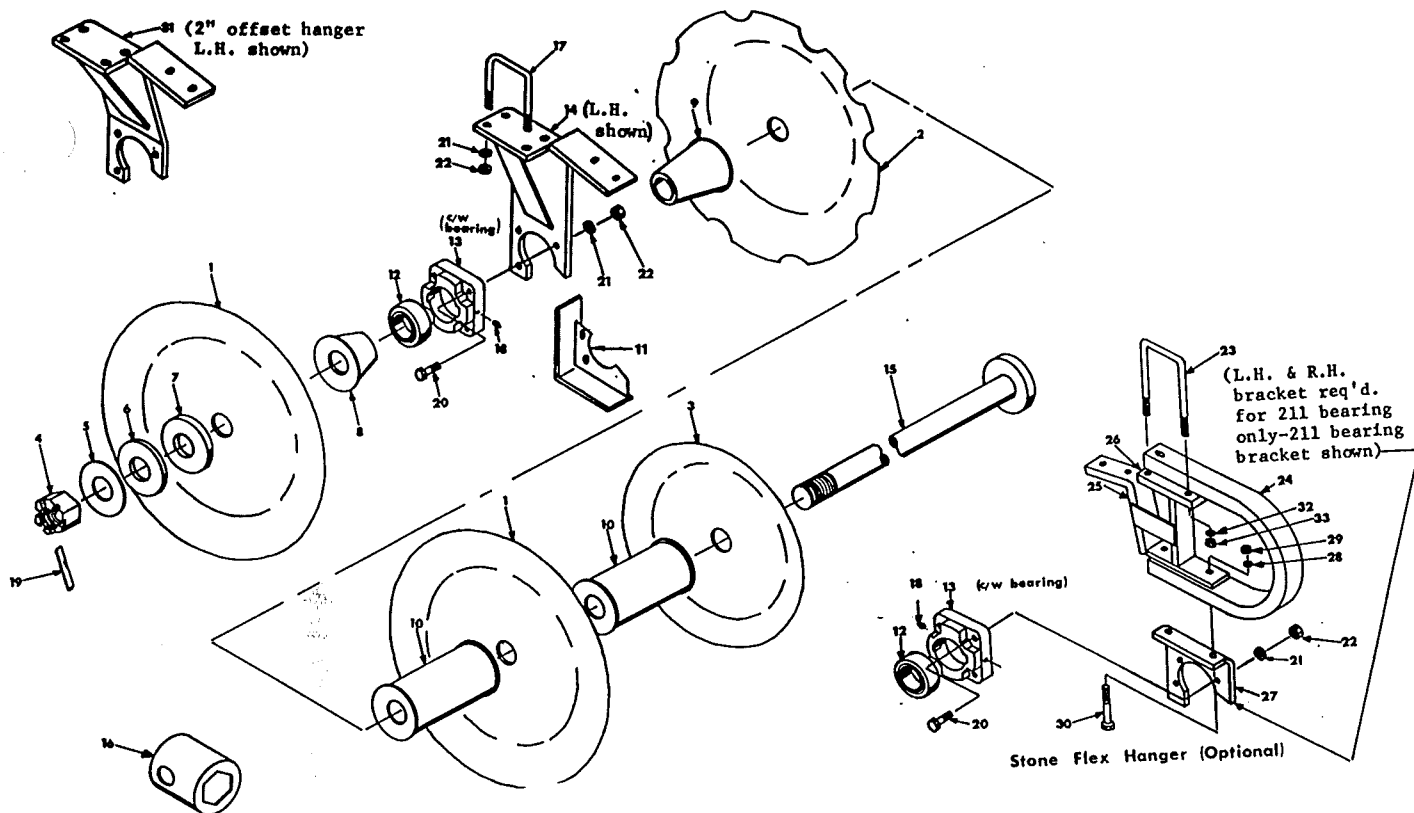
FOLDING TYPE GANG BEAMS & SUPPORT BRACKETS

Ref. No.	Part No.	Description	Qty. Req'd
1	DWB10155	22" & 43" Folding Gang Beam c/w Butt Plate, Bolts, Set Screws & Grease Fittings (Ref. Nos. 12, 13, 14, 15, 16 & 17)	*
		- Rear R.H. - For 86 Blade, 9" Spacing	
	DWB10156	22" & 43" Folding Gang Beam c/w Butt Plate, Bolts, Set Screws & Grease Fittings (Ref. Nos. 12, 13, 14, 15, 16 & 17)	*
		- Rear L.H. - For 86 Blade, 9" Spacing	
	DWB10161	14-1/2" & 46" Folding Gang Beam c/w Butt Plate, Bolts, Set Screws & Grease Fittings (Ref. Nos. 12, 13, 14, 15, 16 & 17)	*
		- Rear R.H. - For 94 Blade, 8" Spacing	
	DWB10162	14-1/2" & 46" Folding Gang Beam c/w Butt Plate, Bolts, Set Screws & Grease Fittings (Ref. Nos. 12, 13, 14, 15, 16 & 17)	*
		- Rear L.H. - For 94 Blade, 8" Spacing	
	DWA10175	Gang Beam Support Bracket	2
2	DWA10175	Gang Beam Support Bracket	2
3	DWA10185	Locking Bar	1

Ref. No.	Part No.	Description	Qty. Req'd
4		3/4" x 2-1/2" N.C. Hex Bolt	8
5	DG6080	5/8" x 4" x 4-7/16" Long U-Bolt	4
6		3/4" Lockwasher	8
7		5/8" Lockwasher	4
8		3/4" N.C. Hex Nut	8
9		5/8" N.C. Hex Nut	4
10	DR129	Hair Pin Cotter	2
11	DF10046	Gang Beam Shim	*
12	DWA5630	Butt Plate	2
13		5/8" x 2-1/4" Carriage Bolt	6
14		5/8" x 2" N.C. Set Screw	4
15		5/8" Lockwasher	6
16		5/8" N.C. Hex Nut	6
17	10GH1	1/4" - 28 Grease Fitting	2

* As Required

MODEL 3590-3595 STAGGERED FRONT GANG DISC



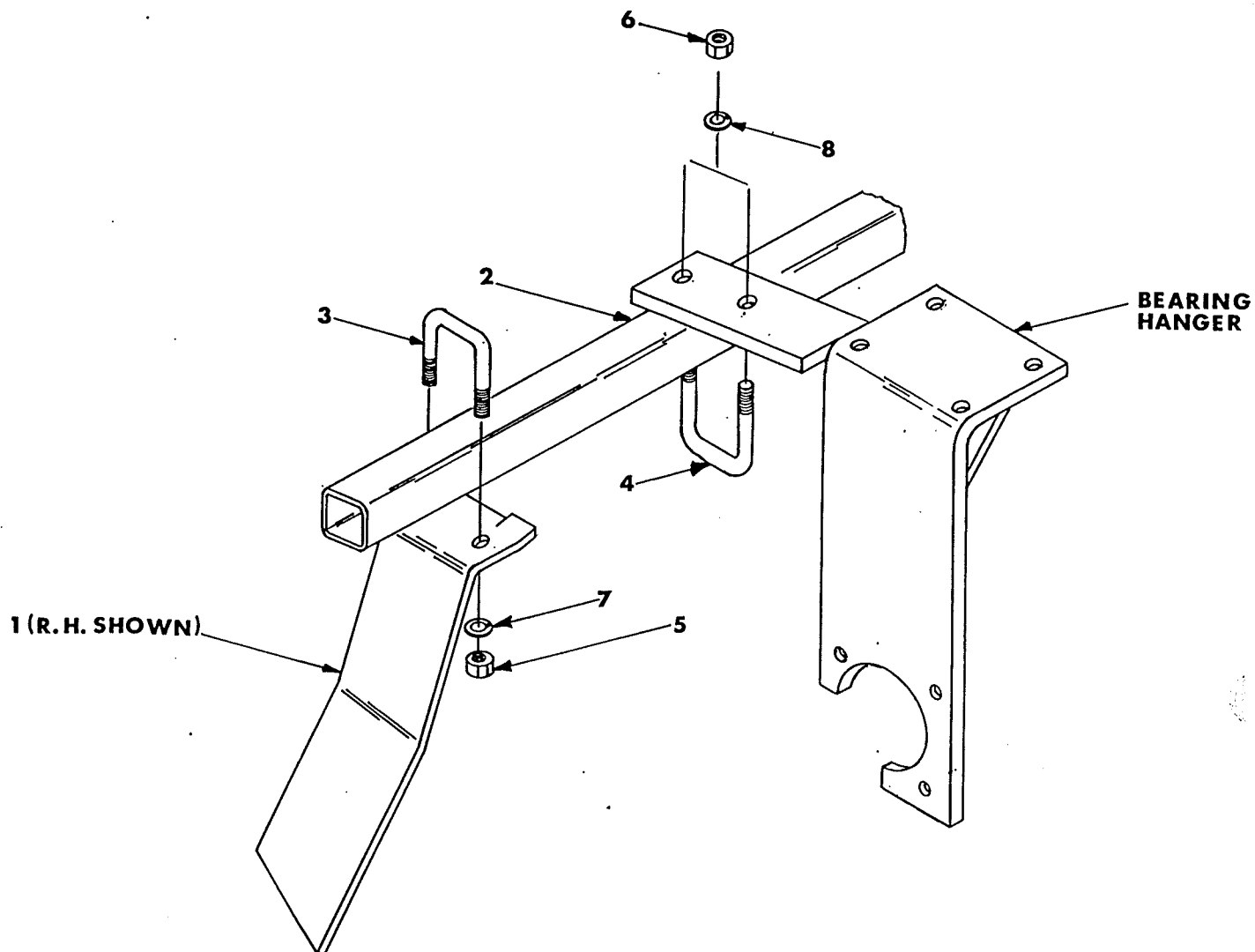
DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG62	22" x 5 mm (.197) Plain Blade	*
	DG64	22" x 6 mm (.236) Plain Blade	*
	DG60	22" x 7 mm (.275) Plain Blade	*
	DG68	24" x 6 mm (.236) Plain Blade	*
	DG76	24" x 7 mm (.275) Plain Blade	*
	DG137	24" x 8 mm (.5/16") Plain Blade	*
2	DG61	22" x 7 mm (.275) Notched Blade	*
	DG79	24" x 7 mm (.275) Notched Blade	*
	DG138	24" x 8 mm (.5/16") Notched Blade	*
3	DG84	16" x 4 mm (.157) Plain Outrigger Blade	*
	DG133	18" x 5 mm (.197) Plain Outrigger Blade	*
	DG149	20" x 6 mm (.236) Plain Outrigger Blade	*
4	DG82	2" Heavy Hex Slotted Nut	*
5	DG89	1/4" Shim Washer	*
6	DG88	1/2" Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" Head Washer	*
8	DG108	8" Spacing Short Half Spool - 2-3/8" Long	*
	DGA97	9" Spacing Short Half Spool - 3-1/4" Long w/5" Washer	*
9	DGA102	9" Spacing Long Half Spool - 4-7/16" Long	*
10	DGA113	8" Spacing Full Spool - 8" Long	*
	DGA98	9" Spacing Full Spool - 9" Long w/5" Washer	*
11	DGA37	Sand Guard - R.H. For 211 Series Bearing	*
	DGA38	Sand Guard - L.H. For 211 Series Bearing	*
	DGA39	Sand Guard - R.H. For 214 Series Bearing	*
	DGA40	Sand Guard - L.H. For 214 Series Bearing	*
12	DG95	211 Series Greaseable Bearing	*
	DG38	214 Series Greaseable Bearing	*
13	DGB5334	211 Housing c/w Bearing & Grease Fitting	*
	DGB5335	214 Housing c/w Bearing & Grease Fitting	*
14	DGA6089	L.H. Straight Bearing Hanger - 211 Series Bearing	*
	DGA6090	R.H. Straight Bearing Hanger - 211 Series Bearing	*
	DGA10280	L.H. Straight Bearing Hanger - 214 Series Bearing	*
	DGA10281	R.H. Straight Bearing Hanger - 214 Series Bearing	*
15	DGA86	6 Blade Gang Bolt - 47" Long	*
	DGA87	7 Blade Gang Bolt - 55-1/2" Long	*
	DGA88	8 Blade Gang Bolt - 64" Long	*
	DGA89	9 Blade Gang Bolt - 72-1/2" Long	*
	DGA90	10 Blade Gang Bolt - 80-3/4" Long	*
	DGA91	11 Blade Gang Bolt - 89-1/2" Long	*
	DGA92	12 Blade Gang Bolt - 97-1/4" Long	*
	DGA93	13 Blade Gang Bolt - 105-1/2" Long	*
	DGA94	14 Blade Gang Bolt - 113-3/4" Long	*
	DGA95	15 Blade Gang Bolt - 122-1/4" Long	*
	DGA66	6 Blade Gang Bolt - 52" Long	*
	DGA67	7 Blade Gang Bolt - 61-3/4" Long	*
	DGA68	8 Blade Gang Bolt - 71" Long	*
	DGA69	9 Blade Gang Bolt - 80" Long	*
	DGA70	10 Blade Gang Bolt - 89-1/2" Long	*

Ref. No.	Part No.	Description	Qty. Req'd
	DGA71	11 Blade Gang Bolt - 98-3/4" Long	*
	DGA72	12 Blade Gang Bolt - 108" Long	*
	DGA73	13 Blade Gang Bolt - 117-1/2" Long	*
	DGA74	14 Blade Gang Bolt - 126-1/2" Long	*
16	DGA35	Socket Wrench	*
17	DG6080	5/8" x 4" x 4-7/16" Long U-Bolt	*
18	10GN1	1/4" - 28 Grease Fitting	*
19	DG10310	7/16" x 3" Lock-Pin	*
20		1/2" x 2-1/4" N.C. Hex Bolt - 211 Series	*
		1/2" x 2-1/2" N.C. Hex Bolt - 21 Series (If Sand Guard Is Used)	*
		5/8" x 2-1/4" N.C. Hex Bolt - 214 Series	*
		5/8" x 2-1/2" N.C. Hex Bolt - 214 Series (If Sand Guard Is Used)	*
21		1/2" Lockwasher - 211 Series	*
		5/8" Lockwasher - 214 Series	*
22		1/2" Hex Nut - 211 Series	*
		5/8" Hex Nut - 214 Series	*
23	DG10290	3/4" x 4" x 7" Long U-Bolt (Prior To 1988) (Model 3590)	*
	DG8541	5/8" x 4" x 5-11/16" Long U-Bolt	*
24	DG8150	1-1/4" x 2" Spring Shank	*
25	DGA8612	Scraper Bar Support Bracket - Standard Stone Flex Hanger (Shown)	*
	DGA8623	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used on Front L.H. or Rear R.H. Gang	*
	DGA8624	Scraper Bar Support Bracket - For Offset Stone Flex Hanger - Used on Front R.H. or Rear L.H. Gang	*
26	DGA8617	Backing Plate - Stone Flex Hanger - 5/8" U-Bolt, Used Prior to 1988 (Model 3590)	*
	DGA10295	Backing Plate - Stone Flex Hanger - 3/4" U-Bolt	*
27	DG5342	Bracket L.H. Mounting For 211 Series - Standard Stone Flex Hanger	*
	DG5343	Bracket R.H. Mounting For 211 Series - Standard Stone Flex Hanger	*
	DG5344	Bracket L.H. Mounting For 211 Series - 2" Offset Stone Flex Hanger	*
	DG5345	Bracket R.H. Mounting For 211 Series - 2" Offset Stone Flex Hanger	*
	DGA5324	Mount Bracket - 214 Series - Standard Stone Flex Hanger	*
	DGA5341	Mount Bracket - 214 Series - 2" Offset Stone Flex Hanger	*
28		3/4" Lockwasher	*
29		3/4" N.C. Hex Nut	*
30		3/4" x 3-1/2" N.C. Hex Bolt	*
31	DGA6091	L.H. 2" Offset Hanger - 211 Series	*
	DGA6092	R.H. 2" Offset Hanger - 211 Series	*
	DGA10282	L.H. 2" Offset Hanger - 214 Series	*
	DGA10283	R.H. 2" Offset Hanger - 214 Series	*
32		5/8" Lockwasher - Used With U-Bolt #DG8541 (Model 3590)	*
		3/4" Lockwasher - Used With U-Bolt #DG10290	*
33		5/8" Hex Nut - Used With U-Bolt #DG8541 (Model 3590)	*
		3/4" Hex Nut - Used With U-Bolt #DG10290	*

* As Required

MODEL 3590-3595 STAGGERED FRONT GANG DISC



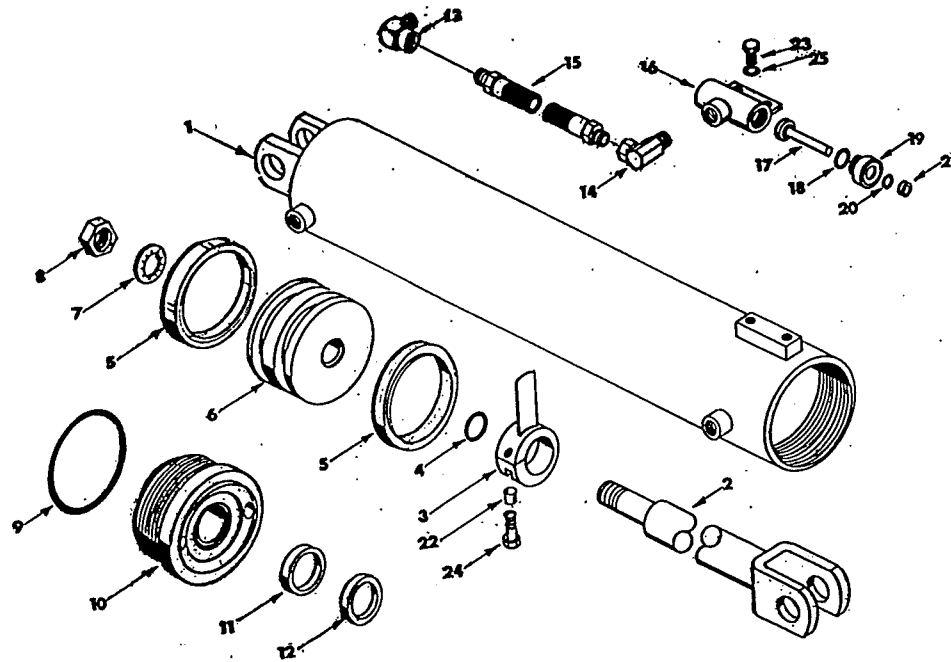
SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG6083	L.H. Scraper	*
	DG6084	R.H. Scraper	*
2		<u>SCRAPER BAR FOR 8" SPACING DISC</u>	
	DS49	6 Blade Scraper Bar - 49" Long	*
	DS57	7 Blade Scraper Bar - 57-1/2" Long	*
	DS65	8 Blade Scraper Bar - 65-1/2" Long	*
	DS73	9 Blade Scraper Bar - 73-1/2" Long	*
	DS82	10 Blade Scraper Bar - 82" Long	*
	DS90	11 Blade Scraper Bar - 90" Long	*
	DS99	12 Blade Scraper Bar - 99" Long	*
	DS107	13 Blade Scraper Bar - 107" Long	*
	DS115	14 Blade Scraper Bar - 115-1/2" Long	*
	DS123	15 Blade Scraper Bar - 123-1/2" Long	*
		<u>SCRAPER BAR FOR 9" SPACING</u>	
	DS45	5 Blade Scraper Bar - 45-1/2" Long	*

Ref. No.	Part No.	Description	Qty. Req'd
	DS55	6 Blade Scraper Bar - 55" Long	*
	DS64	7 Blade Scraper Bar - 64" Long	*
	DS73	8 Blade Scraper Bar - 73-1/2" Long	*
	DS82	9 Blade Scraper Bar - 82" Long	*
	DS92	10 Blade Scraper Bar - 92" Long	*
	DS101	11 Blade Scraper Bar - 101-1/2" Long	*
	DS110	12 Blade Scraper Bar - 110" Long	*
	DS120	13 Blade Scraper Bar - 120 Long	*
	DS129	14 Blade Scraper Bar - 129-1/2" Long	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*

* As Required

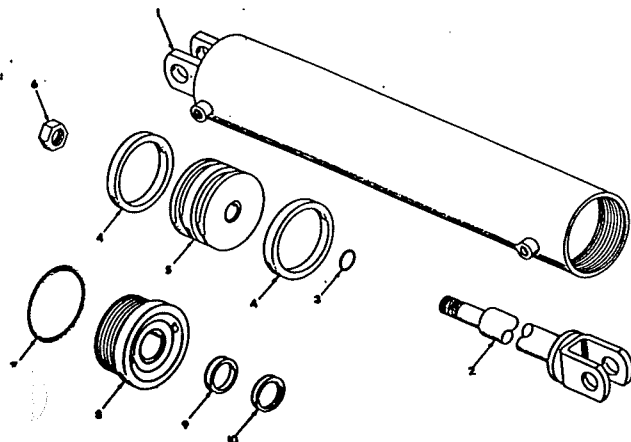
MODEL 3590-3595 STAGGERED FRONT GANG DISC



ROCKSHAFT CYLINDER - HYDRAULIC DEPTH CONTROL TYPE (USED PRIOR TO 1987) - N4 NUT TYPE - MODEL 3590

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU5	Tube Assembly - 4" x 24"	1
2	10SH34	Shaft - 1-3/4" x 24" (Can Order Shaft #10SH26 and Pin From Model 1590-1600 Disc)	1
3	DCA6	Depth Control Stop c/w Spacer (Ref. No. 22) and Bolt (Ref. No. 24)	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
5	40CU3	U-Cup - 3-1/2" x 4" x 3/8"	2
6	40PB5	Piston - 4" O.D. x 1" I.D. x 2-1/2" Long	1
7	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR17	3/16" x 4" O.D. O-Ring	1
10	40HP4	Head Plate - 4" O.D. x 1-3/4" I.D.	1
11	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
12	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1

Ref. No.	Part No.	Description	Qty. Req'd
13	DL9777	1/2" x 90 Degree Street Elbow	1
14	DL9775	1/2" x 90 Degree Swivel Elbow (Male - Female)	1
15	H26-1	1/2" x 26" Hose	1
16	DCA7	Depth Control Assembly c/w Piston, Plug, Two O-Rings and Wiper Seal	1
17	DC28	Piston - For Depth Control Stop	1
18	DC29	7/16" x 1" O.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" x 5/8" x 3/16"	1
22	DC33	Spacer - 3/8" I.D. x 11/16" Long	1
23		1/2" x 7/8" N.C. Hex Bolt	2
24		3/8" x 1-3/4" N.C. Hex Bolt	1
25		1/2" Lockwasher	2

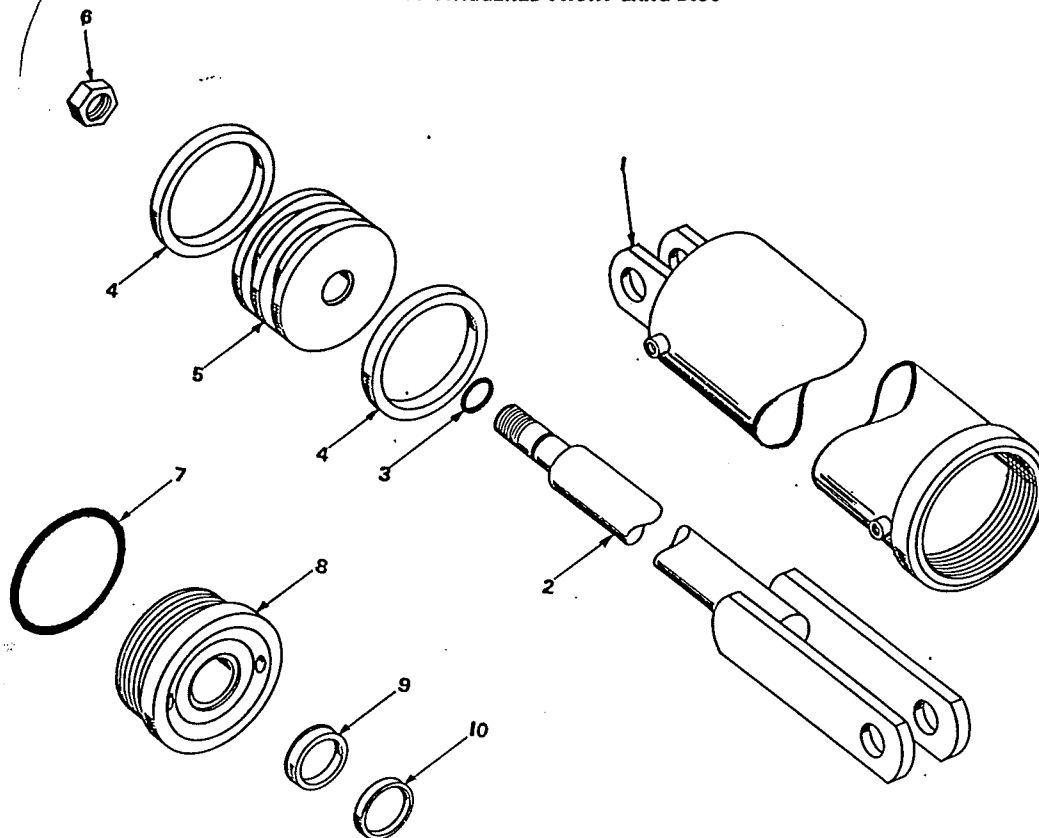


ROCKSHAFT CYLINDER - N4 TYPE - MODEL 3590-3595

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU7	Tube Assembly - 4" x 24"	1
2	10SH46	Shaft - 1-3/4" x 24"	1
3	10OR13	O-Ring - 1/8" x 1-1/4" O.D.	1
4	40CU3	U-Cup - 3-1/2" x 4" x 3/8"	2
5	40PB5	Piston - 4" O.D. x 1" I.D. x 2-1/2" Long	1
6	10NU4	Lock Nut - 1"	1
7	10OR17	O-Ring - 3/16" x 4" O.D.	1
8	40HP4	Head Plate - 4" O.D. x 1-3/4" I.D.	1
9	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
10	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1

* As Required

MODEL 3590-3595 STAGGERED FRONT GANG DISC



WING LIFT CYLINDER - 5" x 36" CYLINDER

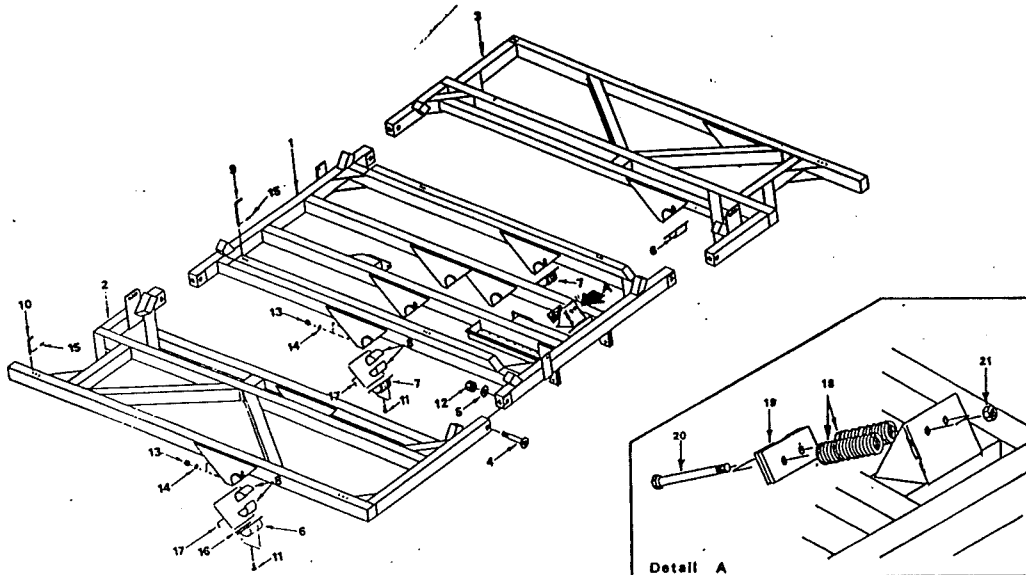
Ref. No.	Part No.	Description	Qty. Req'd
1	50TU8	Tube Assembly - 5" x 36" (Less Steel Oil Line For Cylinder #242) NOTE: If A Barrel Is Required For Cylinder #214 (5" x 36" With Steel Oil Line), Order Barrel #50TU8.	1
2	10SH36	Shaft - 1-3/4" x 36" (For 1-1/4" Nut)	1
	10SH28	Shaft - 1-3/4" x 36" (For 1" Nut)	1
3	10OR19	O-Ring - 1-1/8" I.D. x 1-1/4" O.D. (For 1-1/4" Nut)	1
	10OR13	O-Ring - 1" I.D. x 1-1/4" O.D. (For 1" Nut)	1

Ref. No.	Part No.	Description	Qty. Req'd
4	50CU1	5" U-Cup	1
5	50PB2	Piston - 5" O.D. x 1-1/4" I.D. (For 1-1/4" Nut)	2
	50PB1	Piston - 5" O.D. x 1" I.D. (For 1" Nut)	1
6	10NU3	1-1/4" x 12 UNS Hex Nut	1
	10NU2	1" x 14 UNS Hex Nut	1
7	10OR14	O-Ring - 4-1/2" I.D. x 5" O.D.	1
8	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
9	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
10	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1

CYLINDER SEAL KITS

Kit No.	Contents	Application
4017N4	2 40CU3 4" U-Cup 1 10OR13 1/8" x 1-1/4" O.D. O-Ring 1 10OR17 3/16" x 4" O.D. O-Ring 1 10RS3 Rod Seal - 1-3/4" I.D. 1 10WS3 Wiper Seal - 1-3/4" I.D.	4" x 24" Rockshaft Cylinder
5017N4	2 50CU1 5/8" Wide U-Cup 1 10OR13 1/8" x 1-1/4" O.D. O-Ring 1 10OR14 1/4" x 5" O.D. O-Ring 1 10RS3 Rod Seal - 1-3/4" I.D. 1 10WS3 Wiper Seal - 1-3/4" I.D. 1 10OR19 1/16" x 1-1/4" O.D. O-Ring	5" x 36" Wing Lift Cylinder
DCB4	1 DC29 1/16" x 1" O.D. O-Ring 1 DC20 1/16" x 1/2" O.D. O-Ring 1 DC32 Wiper Seal - 3/8" I.D. If Piston Is Required, Order Part No. DC28	Rockshaft Cylinder Depth Control Valve (Model 3590)

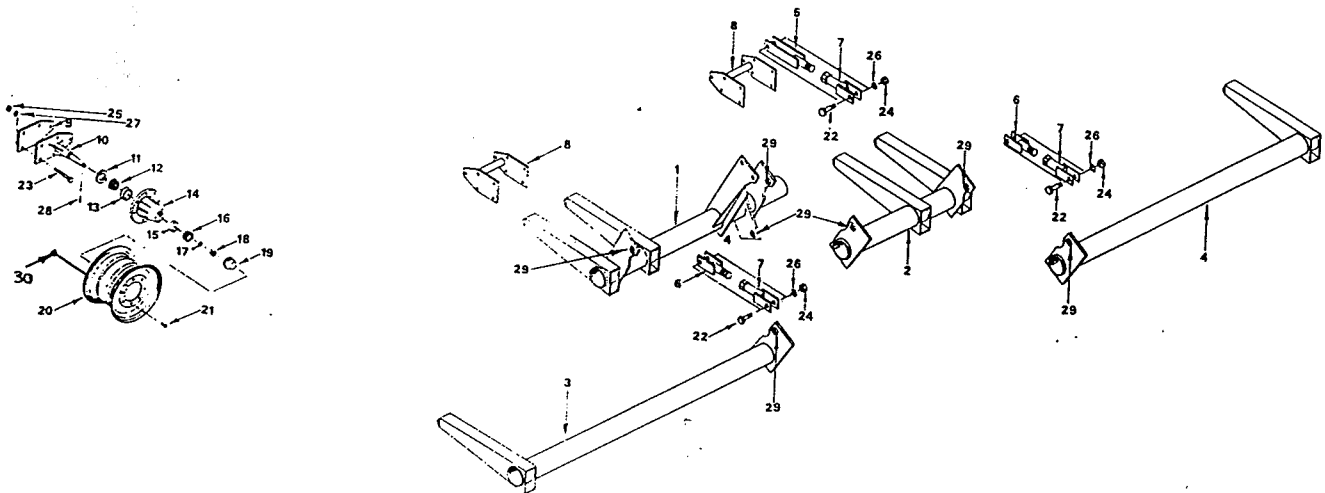
MODEL 3600-3650 DISC



FRAME

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB5500	Main Frame - c/w Five (5) Rockshaft Bearing Caps, Ref. #6 and 7, and Gang Beam Retainer Pin, Ref. #9	1
2	DWB5520	R.H. Wing Frame - c/w Two (2) Rockshaft Bearing Caps, Ref. #6, and Gang Beam Retainer Pin, Ref. #10	1
3	DWB5540	L.H. Wing Frame - c/w Two (2) Rockshaft Bearing Caps, Ref. #6, and Gang Beam Retainer Pin, Ref. #10	1
4	DGA5042	Hinge Bolt	4
5	DH3	Washer	4
6	DFA5041	Rockshaft Bearing Cap	7
7	DFA5080	Reinforced Rockshaft Bearing Cap	2
8	DRS259	Rockshaft Bearing Liner Half	18
9	DF9567	Gang Beam Retainer Pin - Long (For Main Frame Ref. # 1)	4
10	DF37	Gang Beam Retainer Pin - Short (For Both Wing Frames - Ref. #2 and 3)	4

Ref. No.	Part No.	Description	Qty. Req'd
11		3/4" x 2-1/2" N.C. Hex Bolt	18
12	DG82	2" N.C. Slotted Hex Nut	4
13		3/4" N.C. Hex Nut	18
14		3/4" Lockwasher	18
15		3/8" x 3" Cotter Pin	8
16	DF5063	Rockshaft Bearing Cap Shim	54
17	DR5260	1/4" - 28 - 45 Degree Grease Fitting - Top	9
	10GN1	1/4" - 28 - Straight Grease Fitting - Bottom	9
18	DC9615	10-7/8" Long Compression Spring	2
19	DFA10047	Spring Cushion Plate	1
20		1" x 14" N.C. Hex Bolt	2
21		1" N.C. Hex Nut	4

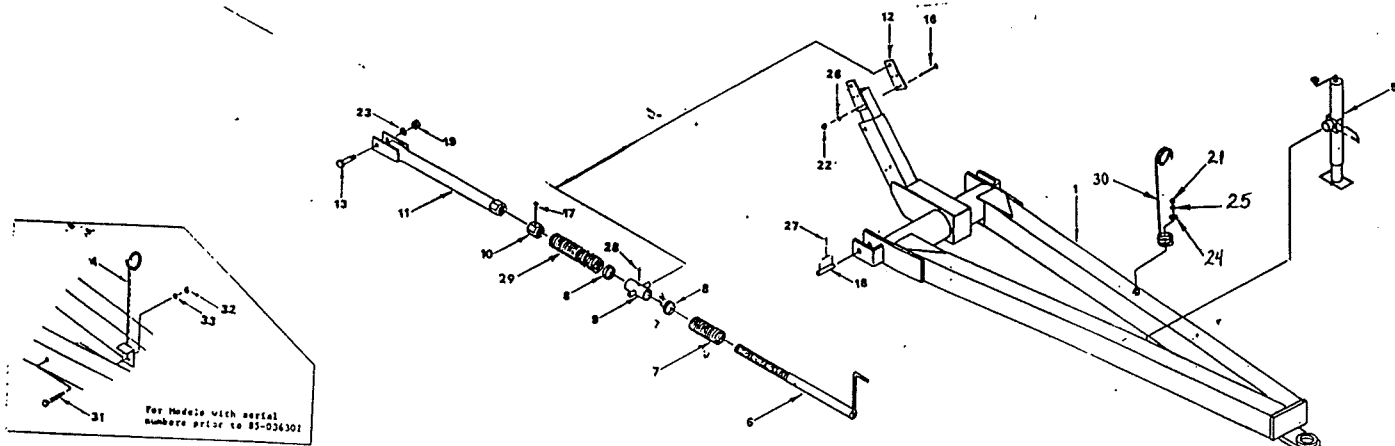


ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA5561	R.H. Main Frame Rockshaft - 68-3/8" Long	1
2	DRA5564	L.H. Main Frame Rockshaft - 45-3/4" Long	1
3	DRA5566	R.H. Wing Frame Rockshaft - 96-3/8" Long	1
4	DRA5569	L.H. Wing Frame Rockshaft - 96-3/8" Long	1
5	DRA9620	Male Half - Rockshaft Link	1
6	DRA5213	Male Half - Rockshaft Link	2
7	DRA5210	Female Half - Rockshaft Link	3
8	DRA5268	Wheel Leg Spacer - 11-3/4" Long	2
	DR5570	Backing Plate (For Wing Rockshaft Only)	2
	DRA5571	Spindle	6
	DR9680	Grease Seal	6
12	DR9684	Inner Cone Bearing #4T-3780	6
13	DR9682	Inner Cup #4T-2790	6
14	DRA9679	Hub c/w Cups - 8 Bolts	6
15	DR9683	Outer Cup - #4T-2720	6

Ref. No.	Part No.	Description	Qty. Req'd
16	DR9685	Outer Cone - #4T-2790	6
17		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	6
18	DR110	1" N.F. Hex Slotted Nut	6
19	DR9681	Hub Cap	6
20	DR5574	16 x 10 - 8 Hole Rim (12.5L -16) (12 Ply)	6
21	DR9671	9/16" x 2-1/8" N.F. Wheel Stud	48
22	DR5215	1-1/4" x 4-1/4" N.C. Hex Bolt	6
23		5/8" x 6" N.C. Hex Bolt	30
24		1-1/4" N.C. Hex Nut	6
25		5/8" N.C. Hex Nut	30
26		1-1/4" Lockwasher	6
27		5/8" Lockwasher	30
28		3/16" x 1-1/4" Cotter Pin	6
29	DR5227	1-1/4" Ball Joint (Weld-On)	7
30	DR9670	9/16" N.F. Wheel Nut	48

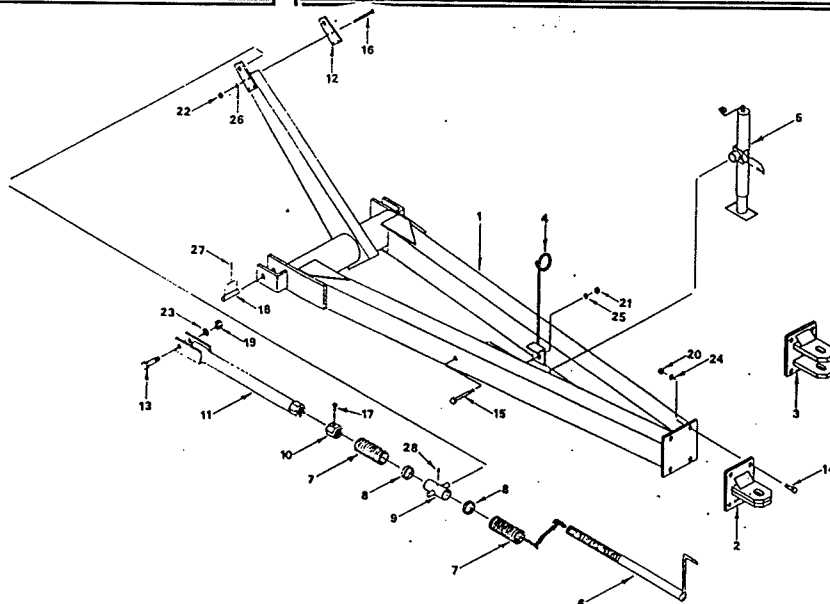
MODEL 3600-3650 DISC



HITCH & LEVELLING CRANK - FLOATING TYPE - MODEL 3600-3650

Ref. No.	Part No.	Description	Qty. Req'd
1	DHBS650	Hitch c/w Levelling Arm Lug Ref. #12, Two(2) Pins, Ref. #21, and Four (4) 1" x 2-1/2" Bolts c/w Nuts and Lockwashers	1
2	DHAS179	Male Hitch	1
3	DHAS176	Clevis Hitch	1
4	DHAS161	Hose Support (Model 3600)	1
5	DHBS170	Hitch Jack	1
6	DCA9970	Levelling Crank - 50" Long	1
7	DC9615	Compression Spring - 10-7/8" Long	1
8	DC15	Thrust Bearing - Timken #T199	2
9	DCA5184	Bearing Tube - Levelling Crank	1
10	DHS	2" N.C. Heavy Hex Nut-Drilled For Set Screw	1
11	DCA5195	Levelling Link - (16-3/4" Pipe Length)	1
12	DHS146	Levelling Arm Lug	1
13	DR5215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
14		1" x 2-1/4" N.C. Hex Bolt	4
15		5/8" x 1-3/4" N.C. Hex Bolt	1
16		1/2" x 5" N.C. Hex Bolt	4
17		1/2" x 1" N.C. Square Head Set Screw	1

Ref. No.	Part No.	Description	Qty. Req'd
18	DH9605	Hitch Pins	2
19		1-1/4" N.C. Hex Nut	1
20		1" N.C. Hex Nut	4
21		5/8" N.C. Hex Nut	1
22		1/2" N.C. Hex Nut	4
23		1-1/4" Lockwasher	1
24		1" Lockwasher	4
25		5/8" Lockwasher	1
26		1/2" Lockwasher	4
27		1/4" x 2" Cotter Pin	4
28	10GN1	1/4" - 28 Grease Fitting	1
29	DC9618	Compression Spring - 21-3/8" Long	1
30		11/16" I.D. x 1-3/4" O.D. Flatwasher	1
31		3/4" x 6" N.C. Hex Bolt (Used Prior To Serial No. 85-036301) (Model 3600)	1
32		3/4" N.C. Hex Nut (Model 3600)	1
33		1/2" Lockwasher (Model 3600)	1
34		1/16" I.D. Flatwasher	1

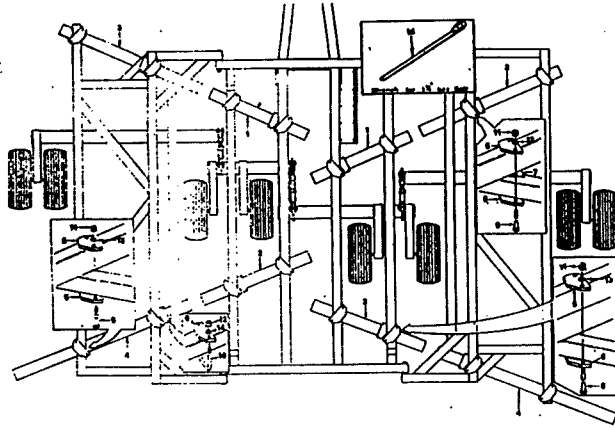


SOLID TYPE HITCH & LEVELLING CRANK - MODEL 3600

Ref. No.	Part No.	Description	Qty. Req'd
1	DHBS545	Hitch c/w Levelling Arm Lug (Ref. #12), Two (2) Pins (Ref. #27) and Four (4) 1" x 3-1/4" Bolts c/w Nuts & Lockwashers	1
2	DHAS179	Male Hitch	1
3	DHAS176	Clevis Hitch	1
4	DHAS161	Hose Support	1
5	DHBS170	Hitch Jack	1
6	DCA3	Levelling Crank - 33" Long	1
7	DC9615	Compression Spring - 10-7/8" Long	2
8	DC15	Thrust Bearing - Timken #T199	2
9	DCA5184	Bearing Tube (For Levelling Crank)	1
10	DHS	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1
11	DCA5577	Levelling Link - 29" Pipe Length	1
12	DHS146	Levelling Arm Lug	1
13	DR5215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
14		1" x 2-1/4" N.C. Hex Bolt	4

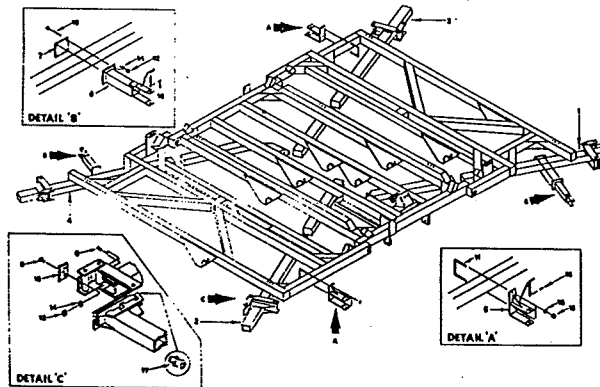
Ref. No.	Part No.	Description	Qty. Req'd
15		3/4" x 6" N.C. Hex Bolt	1
16		1/2" x 5" N.C. Hex Bolt	4
17		1/2" x 1" N.C. Square Head Set Screw	1
18	DH9605	Hitch Pin	2
19		1-1/4" N.C. Hex Nut	1
20		1" N.C. Hex Nut	4
21		3/4" N.C. Hex Nut	1
22		1/2" N.C. Hex Nut	4
23		1-1/4" Lockwasher	1
24		1" Lockwasher	4
25		3/4" Lockwasher	1
26		1/2" Lockwasher	4
27		1/4" x 2" Cotter Pin	4
28	10GN1	1/4" - 28 Grease Fitting	1

MODEL 3600-3650 DISC



THRUST BLOCK, BEAM CLAMP PLATES, AND SOLID TYPE GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DBS56-5	56" Gang Beam - Front Center Frame For L.H. and R.H. (For All 9" and 10-1/2" Spacing Models)	2		DBS130-5	130" Gang Beam - 78 Blade, 9" Spacing Disc	2
	DBS52-5	62" Gang Beam - Front Center Frame For L.H. and R.H. (For All 12" Spacing Models)	2		DBS152-5	152" Gang Beam - 86 Blade, 9" Spacing Disc	2
2	DBS50-5	50" Gang Beam - Rear Center Frame For L.H. and R.H. (For All 9" and 12" Spacing Models)	2		DBS98-5	98" Gang Beam - 58 Blade, 10-1/2" Spacing Disc	2
	DBS56-5	56" Gang Beam - Rear Center Frame For L.H. and R.H. (For All 10-1/2" Spacing Models)	2		DBS110-5	110" Gang Beam - 62 Blade, 10-1/2" Spacing Disc	2
3		FRONT GANG BEAMS FOR WING FRAMES SOLID TYPE GANG BEAMS			DBS118-5	118" Gang Beam - 66 Blade, 10-1/2" Spacing Disc	2
	DBS77-5	77" Gang Beam - 66 Blade, 9" Spacing Disc	2		DBS140-5	140" Gang Beam - 74 Blade, 10-1/2" Spacing Disc	2
	DBS83-5	83" Gang Beam - 70 Blade, 9" Spacing Disc	2		DBS110-5	110" Gang Beam - 54 Blade, 12" Spacing Disc	2
	DBS106-5	106" Gang Beam - 78 Blade, 9" Spacing Disc	2		DBS124-5	124" Gang Beam - 58 Blade, 12" Spacing Disc	2
	DBS124-5	124" Gang Beam - 86 Blade, 9" Spacing Disc	2		DBS152-5	152" Gang Beam - 66 Blade, 12" Spacing Disc	2
	DBS77-5	77" Gang Beam - 58 Blade, 10-1/2" Spacing Disc	2	5	DG9780	1" x 5" x 11" Gang Beam Clamp Plate	32
	DBS92-5	92" Gang Beam - 62 Blade, 10-1/2" Spacing Disc	2	6	DG160	Thrust Block	8
	DBS98-5	98" Gang Beam - 66 Blade, 10-1/2" Spacing Disc	2	7	DG163	Front Gang Beam Shim - Used To Prevent Front Gangs From Fudging (Not Supplied As Standard Equipment)	*
	DBS124-5	124" Gang Beam - 74 Blade, 10-1/2" Spacing Disc	2	8		1-1/4" x 18-1/2" N.C. Hex Bolt	8
	DBS77-5	77" Gang Beam - 54 Blade, 12" Spacing Disc	2	9		1-1/4" x 14" N.C. Hex Bolt	24
	DBS92-5	92" Gang Beam - 58 Blade, 12" Spacing Disc	2	10	DG18	3/4" x 6" U-Bolt	8
	DBS110-5	110" Gang Beam - 66 Blade, 12" Spacing Disc	2	11		1-1/4" N.C. Hex Nut	32
4		REAR GANG BEAM FOR WING FRAMES SOLID TYPE GANG BEAMS		12		3/4" N.C. Hex Nut	16
	DBS106-5	106" Gang Beam - 66 Blade, 9" Spacing Disc	2	13		2-1/2" O.D. x 1-9/32" I.D. x 1/4" Washer	32
	DBS110-5	110" Gang Beam - 70 Blade, 9" Spacing Disc	2	14		3/4" Lockwasher	16
				15	DGA5348	Wrench For 1-1/4" Hex Bolts	2

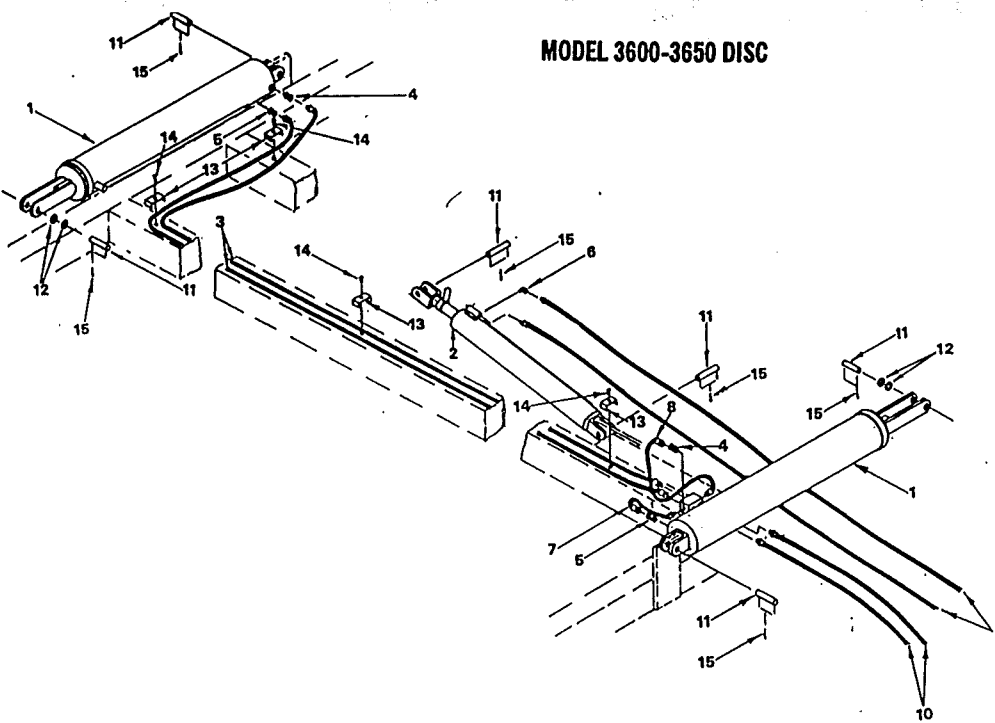


FOLDING TYPE GANG BEAMS AND SUPPORT BRACKETS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DWB5585	79" & 44" Folding Gang Beam - Front L.H. (For 86 Blade 9" Spacing Disc and 74 Blade 10-1/2" Spacing Disc)	1		DWB5595	79" & 44" Folding Gang Beam - Rear R.H. (For 66 Blade 12" Spacing Disc)	1
	DWB5586	79" & 38" Folding Gang Beam - Front L.H. (For 66 Blade 12" Spacing Disc)	1	5	DWB5596	79" & 69" Folding Gang Beam - Rear R.H. (For 66 Blade 12" Spacing Disc)	1
2	DWB5587	79" & 44" Folding Gang Beam - Front R.H. (For 86 Blade 9" Spacing Disc and 74 Blade 10-1/2" Spacing Disc)	1		DWA9754	Gang Beam Support Bracket - Formed Type c/w Pins	*
	DWB5588	79" & 38" Folding Gang Beam - Front R.H. (For 66 Blade 12" Spacing Disc)	1	6	DWA9746	Gang Beam Support Bracket - Tube Type c/w Pins	*
3	DWB5589	79" & 58" Folding Gang Beam - Rear L.H. (For 78 Blade 9" Spacing Disc and 74 Blade 10-1/2" Spacing Disc)	1	7	DW9753	Backing Plate	*
	DWB5590	88" & 62" Folding Gang Beam - Rear L.H. (For 86 Blade 9" Spacing Disc)	1	8		5/8" x 2" N.C. Set Screw	*
	DWB5591	79" & 44" Folding Gang Beam - Rear L.H. (For 66 Blade 10-1/2" Spacing Disc and 58 Blade 12" Spacing Disc)	1	9		5/8" x 2-1/4" N.C. Carriage Bolt	*
	DWB5592	79" & 69" Folding Gang Beam - Rear L.H. (For 66 Blade 12" Spacing Disc)	1	10		5/8" x 7-1/2" N.C. Hex Bolt	*
	DWB5593	79" & 58" Folding Gang Beam - Rear R.H. (For 78 Blade 9" Spacing Disc and 74 Blade 10-1/2" Spacing Disc)	1	11	DG18	3/4" x 6" U-Bolt	*
	DWB5594	88" & 62" Folding Gang Beam - Rear R.H. (For 86 Blade 9" Spacing Disc)	1	12		5/8" N.C. Hex Nut	*
				13		3/4" N.C. Hex Nut	*
				14		5/8" Lockwasher	*
				15		3/4" Lockwasher	*
				16	DWA5630	Butt Plate	*
				17	10GN1	1/4" - 28 Grease Fitting	*
				18	DR129	Hair Pin Cotter	*

* As Required

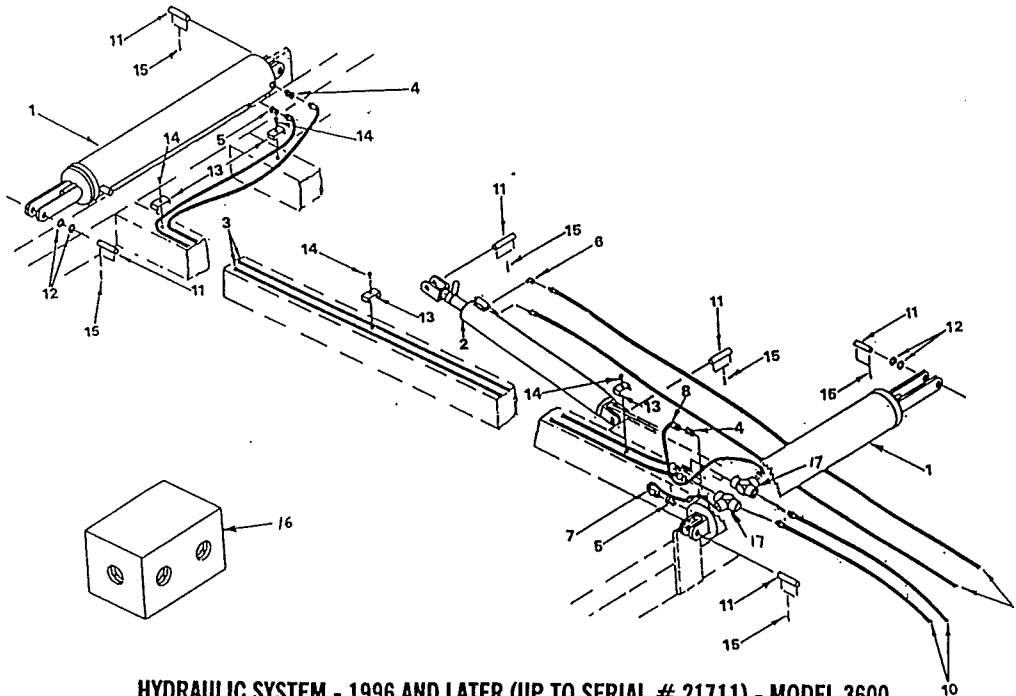
MODEL 3600-3650 DISC



HYDRAULIC SYSTEM - 1996 AND PRIOR - MODEL 3600

Ref. No.	Part No.	Description	Qty. Req'd
1	215	5" x 36" Wing Lift Cylinder	2
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control Stop - Less Flo-Valve, Elbows and Hose	1
3	H192-S	3/8" x 192" Synflex Hose	2
4	L1619	3/8" Male-Female Swivel	2
5	L29	3/8" Female Swivel	2
6	DL9777	1/2" x 90 Degree Street Elbow, Steel (Fluidic #8024-08-08)	1
7	H19	3/8" x 19" Hose	1
8	H26	3/8" x 26" Hose	1

Ref. No.	Part No.	Description	Qty. Req'd
9	H210-1	1/2" x 210" Hose	2
10	H156-1	1/2" x 156" Hose	2
11	DR5252	Cylinder Pin - 1-1/4" Dia. x 4-1/8" Long	6
12	DF5068	1-5/16" I.D. x 2" O.D. Washer	4
13	DL9771	2 Hose Hold Down Clip - For 3/8" Hose	4
14		1/2" x 1" N.C. Hex Bolt	4
15		1/4" x 1-1/2" Cotter Pin	12
16	DL5660	Hydraulic Block (Weld-On)	1

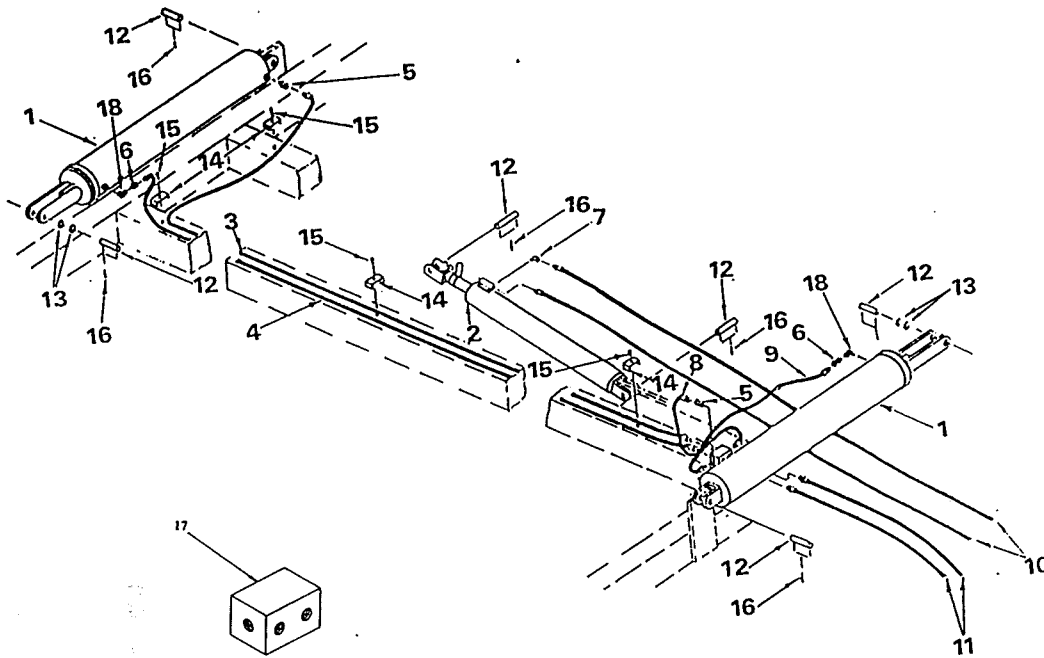


HYDRAULIC SYSTEM - 1996 AND LATER (UP TO SERIAL # 21711) - MODEL 3600

Ref. No.	Part No.	Description	Qty. Req'd
1	215	5" x 36" Wing Lift Cylinder	2
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control Stop - Less Flo-Valve, Elbows, and Hose	1
3	DL2924	3/8" x 192" Hose	2
4	L1619	3/8" Male-Female Swivel	2
5	L29	3/8" Female Swivel	2
6	DL9777	1/2" x 90 Degree Street Elbow, Steel (Fluidic #8024-08-08)	1
7	H19	3/8" x 19" Hose	1
8	H26	3/8" x 26" Hose	1

Ref. No.	Part No.	Description	Qty. Req'd
9	H210-1	1/2" x 210" Hose	2
10	H156-1	1/2" x 156" Hose	2
11	DR5252	Cylinder Pin - 1-1/4" Dia. x 4-1/8" Long	6
12	DF5068	1-5/16" I.D. x 2" O.D. Washer	4
13	DL9771	2 Hose Hold Down Clip - For 3/8" Hose	4
14		1/2" x 1" N.C. Hex Bolt	4
15		1/4" x 1-1/2" Cotter Pin	12
16	DL5660	Hydraulic Block (Weld-On)	1
17	DL5282	3/8" Tee	2

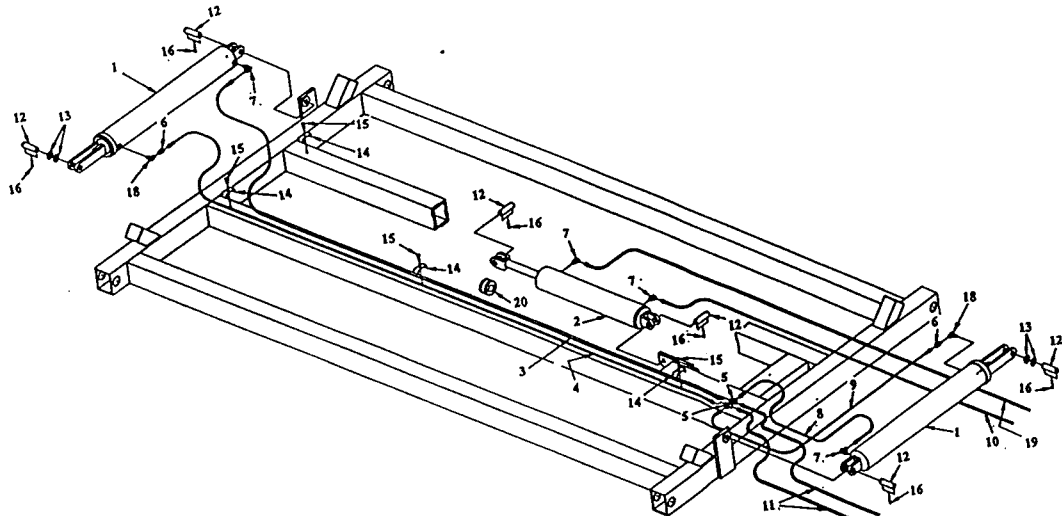
MODEL 3600-3650 DISC



HYDRAULIC SYSTEM - 1996 AND LATER (UP TO SERIAL #21711) - MODEL 3600

Ref. No.	Part No.	Description	Qty. Req'd
1	242	5" x 36" Wing Lift Cylinder (Less Steel Oil Line)	2
2	213	5" x 24" Rockshaft Cylinder c/w Depth Control Stop	1
3	H192-S	3/8" x 192" Synflex Hose	1
4	H180-S	3/8" x 180" Synflex Hose	1
	L1619	3/8" Male-Female Swivel	2
	DL5279	3/8" Restricted Orifice Male-Female Swivel	2
	DL9777	1/2" x 90 Degree Street Elbow	1
8	H26	3/8" x 26" Hydraulic Hose	1
9	H53	3/8" x 53" Hydraulic Hose	1

Ref. No.	Part No.	Description	Qty. Req'd
10	H210-1	1/2" x 210" Hydraulic Hose	2
11	H156-1-3	3/8" x 156" Hydraulic Hose (One (1) 3/8" End, One (1) 1/2" End)	2
12	DR5252	1-1/4" Diameter x 4-1/8" Long Cylinder Pin	6
13	DF5068	1-5/16" I.D. x 2" O.D. Washer	4
14	DL9771	2 Hose Hold-Down Clip (For 3/8" Hose)	4
15		1/2" x 1" N.C. Hex Bolt	4
16		1/4" x 1-1/2" Cotter Pin	12
17	DL5660	Hydraulic Block (Weld-On)	1
18	DL5283	3/8" x 90 Degree Street Elbow (Steel)	2



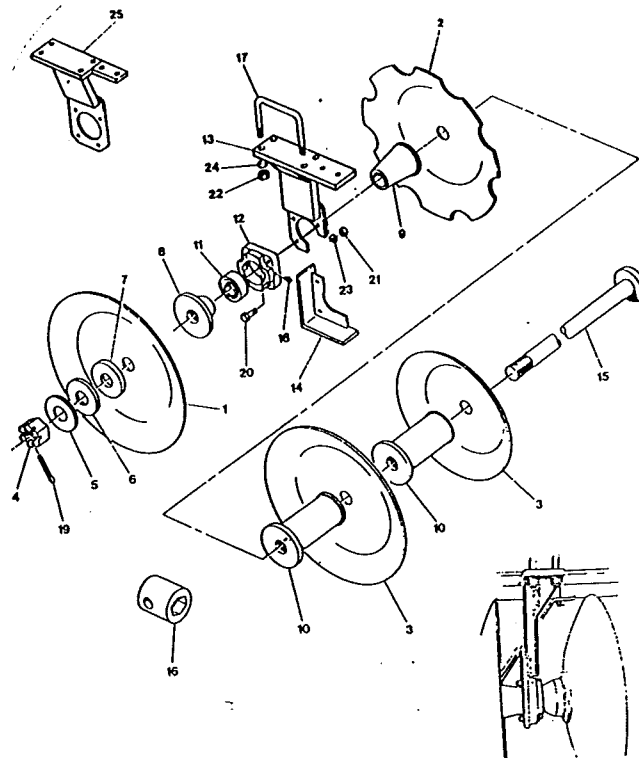
HYDRAULIC SYSTEM - (SERIAL #21711 AND UP) - MODEL 3600-3650

Ref. No.	Part No.	Description	Qty. Req'd
1	242	5" x 36" Wing Lift Cylinder (Less Steel Oil Line)	2
2	239	5" x 24" Rockshaft Cylinder (Mechanical Depth Stop)	1
3	L2924	3/8" x 192" Hydraulic Hose	1
4	L2923	3/8" x 180" Hydraulic Hose	1
5	L1619	3/8" Male-Female Swivel	2
	DL5279	3/8" Restricted Orifice Male-Female Swivel	2
	DL9777	1/2" x 90 Degree Street Elbow	1
	L2906	3/8" x 26" Hydraulic Hose	1
9	L2946	3/8" x 53" Hydraulic Hose	1
10	L2971	1/2" x 184" Hydraulic Hose	1
11	L2972	3/8" x 156" Hydraulic Hose (One (1) 3/8" End, One (1) 1/2" End)	2
12	DR5252	1-1/4" Diameter x 4-1/8" Long Cylinder Pin	6

Ref. No.	Part No.	Description	Qty. Req'd
13	DF5068	1-5/16" I.D. x 2" O.D. Washer	4
14	DL9771	2 Hose Hold-Down Clip (For 3/8" Hose)	4
15		1/2" x 1" N.C. Hex Bolt	4
16		1/4" x 1-1/2" Cotter Pin	12
17		Item 17 Not Shown	1
18	DL5283	3/8" x 90 Degree Street Elbow (Steel)	2
19	L3003	1/2" x 210" Hydraulic Hose	1
20	CR50711	Depth Control Stop Ring - 1" Long	*
	CR50712	Depth Control Stop Ring - 1-1/2" Long	*
	CR50713	Depth Control Stop Ring - 1-3/4" Long	*
	CR50714	Depth Control Stop Ring - 2" Long	*
	CR50717	Depth Control Stop Ring - 4-1/4" Long	*

* As Required

MODEL 3600-3650 DISC

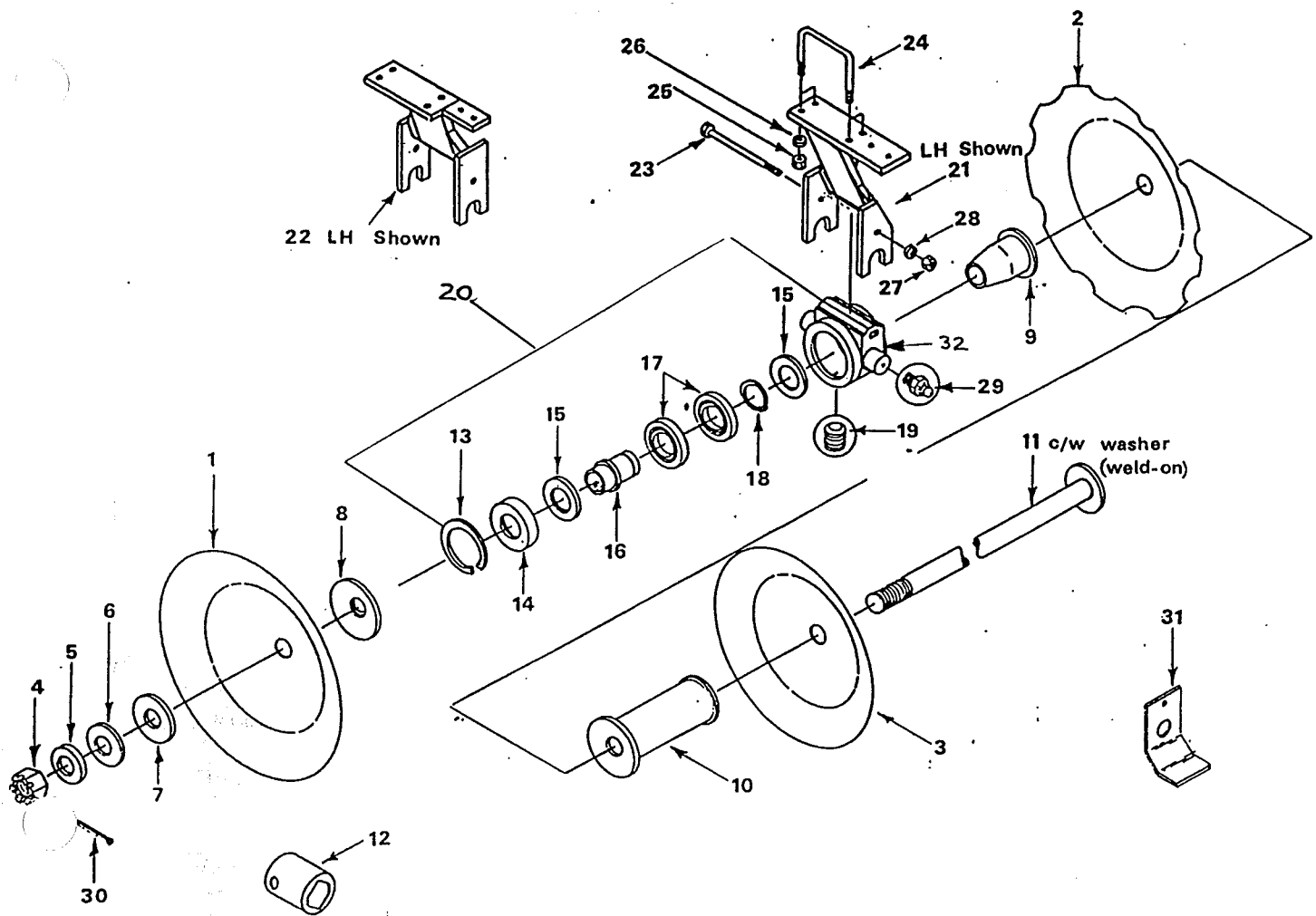


DISC GANG ASSEMBLY - FOR 211, 214, & 410 SERIES BEARING

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		Blade, Plain Disc (See Page 9)	*	13	DGA5315	Hanger, Bearing, Right- Hand, 211 Series (Model 3600)	*
2		Blade, Notched (See Page 9)	*		DGA5317	Hanger, Bearing, Left-Hand, 211 Series (Model 3600)	*
3		Blade, Plain Outtrigger (See Page 9)	*		DGA5318	Hanger, Bearing, Right-Hand, 214, 410 Series	*
4	DG82	Nut, Heavy, Hex Slotted, 2-7 UNC	*		DGA5319	Hanger, Bearing, Left-Hand, 214, 410 Series	*
5	DG89	Washer, Shim, 1/4"	*	14	DGA37	Sand Guard, Right-Hand, 211 Series (Model 3600)	*
6	DG88	Washer, Shim, 1/2"	*		DGA38	Sand Guard, Left-Hand, 211 Series (Model 3600)	*
7	DG78	Washer, 2" I.D. x 5" O.D x 5/8"	*		DGA39	Sand Guard, Right-Hand, 214, 410 Series	*
8	DGA106	Spool, 9" & 10-1/2" Spacing Short Half, For 211, 214 & 410 Bearings. 3-1/4" Long (Convex Side) w/6" Washer	*		DGA40	Sand Guard, Left-Hand, 214, 410 Series	*
	DGA110	Spool, 12" Spacing Short Half, For 211, 214 & 410 Bearings. 4-3/4" Long (Convex Side) w/6" Washer	*	15		Bolt, Gang (See Page 10)	*
9	DGA102	Spool, 9" Spacing Long Half For 211 Bearings. 4-7/16" Long (Concave Side) (Model 3600)	*	16	DGA35	Wrench, Socket	*
	DGA103	Spool, 9" Spacing Long Half For 214 Bearings. 4-3/16" Long (Concave Side)	*	17	DG5314	U-Bolt, 7/8 - 9 UNC x 6-3/8	*
	DGA136	Spool, 9" Spacing Long Half For 410 Bearings. 3-11/16" Long (Concave Side)	*	18	10GN1	Fitting, Grease, Straight, 1/4" - 28 SAE	*
	DGA104	Spool, 10-1/2" & 12" Spacing Long Half For 211 Bearings. 5-15/16" Long (Concave Side) (Model 3600)	*	19		Cotterpin, 3/8" Diameter x 3"	*
	DGA105	Spool, 10-1/2" & 12" Spacing Long Half For 214 Bearings. 5-11/16" Long (Concave Side)	*	20		Capscrew, Hex, 1/2 - 13 UNC x 2, 211 Series (Model 3600)	*
	DGA131	Spool, 10-1/2" & 12" Spacing Long Half For 410 Bearings. 5-1/4" Long (Concave Side)	*			Capscrew, Hex, 1/2 - 13 UNC x 2-1/4, 211 Series w/Sand Guard (Model 3600)	*
10	DGA100	Full Spool - 9" Spacing	*			Capscrew, Hex, 5/8 - 11 UNC x 2-1/4, 214, 410 Series	*
	DGA101	Full Spool - 10-1/2" Spacing	*			Capscrew, Hex, 5/8 - 11 UNC x 2-1/2, 214, 410 Series w/Sand Guard	*
	DGA111	Full Spool - 12" Spacing	*	21		Nut, Hex, 5/8 - 11 UNC, 214, 410 Series	*
11	DG95	Bearing, Greaseable, 211 Series (Model 3600)	*			Nut, Hex 1/2 - 13 UNC, 211 Series (Model 3600)	*
	DG38	Bearing, Greaseable, 214 Series	*	22		Nut, Hex, 7/8 - 9 UNC	*
	DG108	Bearing, Greaseable, 410 Series	*	23		Lockwasher, Helical Spring, 1/2" I.D., 211 Series (Model 3600)	*
12	DGB5334	Housing, Bearing, 211 Series, (Includes Items 11, 18) (Model 3600)	*			Lockwasher, Helical Spring, 5/8" I.D., 214 Series	*
	DGB5335	Housing, Bearing, 214 Series, (Includes Items 11, 18)	*	24		Lockwasher, Helical Spring, 7/8" I.D.	*
	DG109	Housing, Bearing, 410 Series, (Includes Items 11, 18)	*	25	DGA5320	Hanger, 2" Offset, Right-Hand, 211 Series (Model 3600)	*
					DGA5321	Hanger, 2" Offset, Left-Hand, 211 Series (Model 3600)	*
					DGA5322	Hanger, 2" Offset, Right-Hand, 214, 410 Series	*
					DGA5323	Hanger, 2" Offset, Left-Hand, 214, 410 Series	*
					DGA9080	Hanger, 3-1/2", Offset, Left-Hand, 211 Series (Model 3600)	*
					DGA9081	Hanger, 3-1/2", Offset, Right-Hand, 211 Series (Model 3600)	*
					DGA9082	Hanger, 3-1/2", Offset, Left-Hand, 214, 410 Series	*
					DGA9083	Hanger, 3-1/2", Offset, Right-Hand, 214, 410 Series	*

* As Required

MODEL 3600-3650 DISC

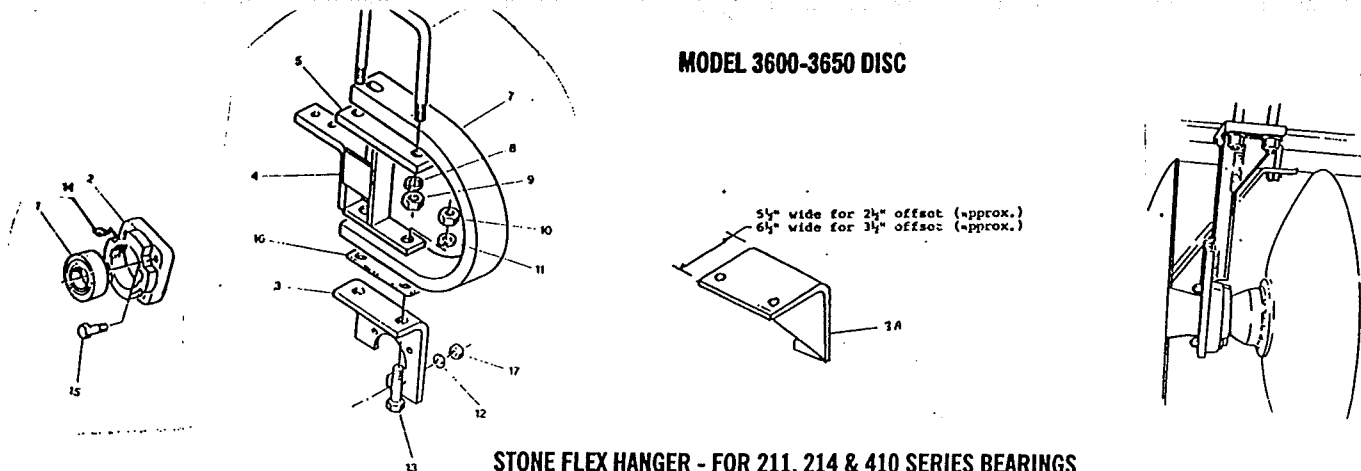


DISC GANG - FOR T2-215 BEARINGS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1		Blade, Plain & Notched Disc (See Page 9)	*	16	DG9906	Sleeve	*
2		Blade, Plain & Cone Disc (See Page 9)	*	17	DG9904	Ball Bearing (#6215)	*
3		Blade, Plain & Outtrigger Blade Disc (See Page 9)	*	18	DG9911	Ring, Internal Snap (Phillip French Sales #D1400-75)	*
4	DG82	Nut, Heavy, Hex Slotted, 2 - 7 UNC	*	19	DG9912	Set Screw	*
5	DG89	Washer, Shim, 1/4"	*	20	DG9900	Housing, Heavy Duty Industrial Type, T2-215 Trunion Mounted, c/w Bearings, Seals, Sleeve Snap Rings, & Cap	*
6	DG88	Washer, Shim, 1/2"	*				
7	DG78	Washer, 2" I.D. x 5" O.D. x 5/8"	*	21	DGA10566	Hanger, Bearing, Right-Hand Trunion Mounted	*
8	DGA10563	Spool, 9" & 10-1/2" Spacing, Short Half, 1-3/8" Long (Convex Side) w/6" Washer	*		DGA10567	Hanger, Bearing, Left-Hand Trunion Mounted	*
	DGA10572	Spool, 12" Spacing, Short Half, 2-7/8" Long (Concave Side)	*	22	DGA10568	Hanger, Bearing, 2" Offset, Right-Hand Trunion Mounted	*
9	DGA10571	Spool, 9" Spacing, Long Half, 2-11/16" Long (Concave Side)	*		DGA10569	Hanger, Bearing, 2" Offset, Left-Hand Trunion Mounted	*
	DGA103	Spool, 10-1/2" & 12" Spacing, Long Half, 4-3/16" Long (Concave Side)	*		DGA10586	Hanger, Bearing, 3-1/2" Offset, Right-Hand Trunion Mounted	*
10	DGA100	Spool, 9" Spacing, Full Spool W/6" End Washer	*		DGA10585	Hanger, Bearing, 3-1/2" Offset, Left-Hand Trunion Mounted	*
	DGA101	Spool, 10-1/2" Spacing, Full Spool W/6" End Washer	*	23		Bolt, Hex, 5/8" x 10" N.C.	*
11	DGA111	Spool, 12" Spacing, Full Spool W/6" End Washer Gang Bolts (See Page 9)	*	24	DG5314	U-Bolt, 7/8" - 9 UNC x 6-3/8"	*
	DGA35	Wrench, Socket	*	25		Nut, Hex, 7/8" - 9 UNC	*
	DG9910	Ring, External Snap (Phillip French Sales #D1300-130)	*	26		Lockwasher, Helical Spring, 7/8" I.D.	*
14	DG9902	Cap, Bearing Housing	*	27		Nut, Hex, 5/8" - 11 UNC	*
15	DG9905	Seals, T2-215 Bearing	*	28		Lockwasher, Helical Spring, 5/8" I.D.	*
				29	10GN1	Fitting, Grease, Straight, 1/4" - 28 SAE	*
				30		Cotterpin, 3/8" Diameter x 3"	*
				31	DG10590	Sand Guard	*
				32	DG9901	Housing, T2-215 Bearing	*

* As Required

MODEL 3600-3650 DISC

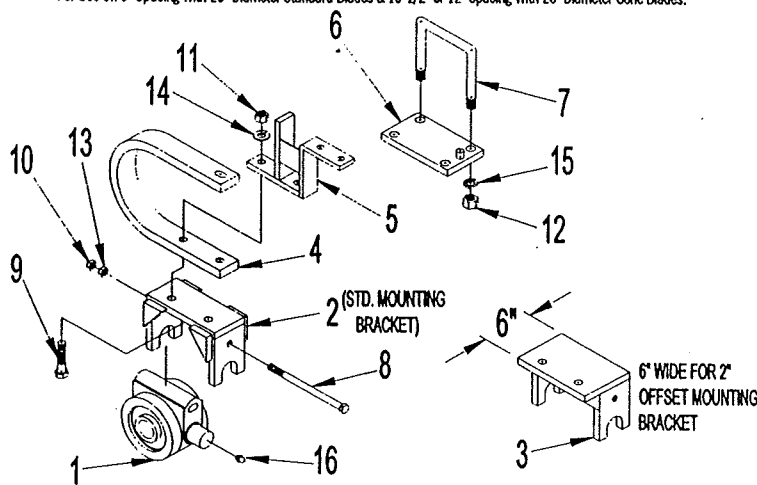


STONE FLEX HANGER - FOR 211, 214 & 410 SERIES BEARINGS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG95	Bearing, Greaseable, 211 Series (Model 3600)	*		DGA5336	Bracket, Scraper Bar Support, Left-Hand Front or Right-Hand Rear Gang - 2-1/2\"	*
	DG38	Bearing, Greaseable, 214 Series	*			Offset Hanger ONLY	
	DG108	Bearing, Greaseable, 410 Series	*		DGA5337	Bracket, Scraper Bar Support, Right-Hand Front or Left-Hand Rear Gang - For 2-1/2\"	*
2	DGB5334	Housing, Bearing, 211 Series c/w Bearing & Grease Fitting (Model 3600)	*			Offset Hanger ONLY	
	DGB5335	Housing, Bearing, 214 Series c/w Bearing & Grease Fitting	*	5	DGA5328	Plate, Backing	*
	DG109	Housing, Bearing, 410 Series c/w Bearing & Grease Fitting	*	6	DG5325	U-Bolt, 7/8\" x 7-5/8\"	*
3	DGS342	Bracket, Left-Hand Mounting, 211 Series Standard Stone Flex Hanger (Model 3600)	*	7	DGS313	Shank, Spring, 1-1/4\" x 2-1/2\"	*
	DGS343	Bracket, Right-Hand Mounting, 211 Series Standard Stone Flex Hanger (Model 3600)	*	8		Lockwasher, Helical Spring, 7/8\" I.D.	*
	DGS374	Bracket, Left-Hand Mounting, 211 Series 1-1/2\" Offset Stone Flex Hanger (Model 3600)	*	9		Nut, Hex, 7/8\" - 9 UNC	*
	DGS375	Bracket, Right-Hand Mounting, 211 Series 1-1/2\" Offset Stone Flex Hanger (Model 3600)	*	10		Nut, Hex, 3/4\" - 10 UNC	*
	DGS344	Bracket, Left-Hand Mounting, 211 Series 2\" Offset Stone Flex Hanger (Model 3600)	*	11		Lockwasher, Helical Spring, 3/4\" I.D.	*
	DGS345	Bracket, Right-Hand Mounting, 211 Series 2\" Offset Stone Flex Hanger (Model 3600)	*	12		Lockwasher, Helical Spring, 1/2\" I.D., 211 Series (Model 3600)	*
	DGA9787	Bracket, Left-Hand Mounting, 211 Series 3-1/2\" Offset Stone Flex Hanger For 3600 ONLY	*	13		Lockwasher, Helical Spring, 5/8\" I.D., 211 Series (Model 3600)	*
	DGA9788	Bracket, Right-Hand Mounting, 211 Series 3-1/2\" Offset Stone Flex Hanger For 3600 ONLY	*	14	10GN1	Capscrew, Hex, 3/4\" - 10 UNC x 3-1/2\"	*
	DGA5324	Bracket, Mounting 214, 410 Series Standard Stone Flex Hanger	*	15		Capscrew, Hex, 3/4\" - 10 UNC x 4-1/2\"	*
	DGA5376	Bracket, Mounting 214, 410 Series 1-1/2\" Offset Stone Flex Hanger	*			Fitting, Grease, Straight, 1/4\" - 28 SAE	*
	DGA5341	Bracket, Mounting 214, 410 Series 2-1/2\" Offset Stone Flex Hanger	*			Capscrew, Hex, 1/2\" - 13 UNC x 2-1/4\", 211 Series (Model 3600)	*
	DGA9786	Bracket, Mounting 214, 410 Series 3-1/2\" Offset Stone Flex Hanger	*			Capscrew, Hex, 1/2\" - 13 UNC x 2-1/2\", 211 Series With Sand Guard (Model 3600)	*
4	DGA5333	Bracket, Scraper Bar Support - For Standard Stone Flex Hanger (Shown) & 1-1/2\" Offset Bracket, For Discs With 26\" Cone Blades On 10-1/2\" & 12\" Spacing On 24\" Cone Blades on 9\" Spacing.	*	16	DGS332	Capscrew, Hex, 5/8\" - 11 UNC x 2-1/4\", 214, 410 Series	*
						Capscrew, Hex, 5/8\" - 11 UNC x 2-1/2\", 214, 410 Series With Sand Guard	*
				17		Shim - Used With Discs With 26\" Cone Blades And Discs With 26\" Standard Blades On 9\" Spacing. NOTE: Discs Shipped After July 15, 1988, Shim Is No Longer Req'd For Models 10-1/2\" and 12\" Spacing Regardless Of What Ever Blade. (Model 3600)	*
						Nut, Hex, 1/2\" - 13 UNC, 211 Series (Model 3600)	*
						Nut, Hex, 5/8\" - 11 UNC, 214, 410 Series	*

* As Required

** For Use On 9\" Spacing With 26\" Diameter Standard Blades & 10-1/2\" or 12\" Spacing With 26\" Diameter Cone Blades.

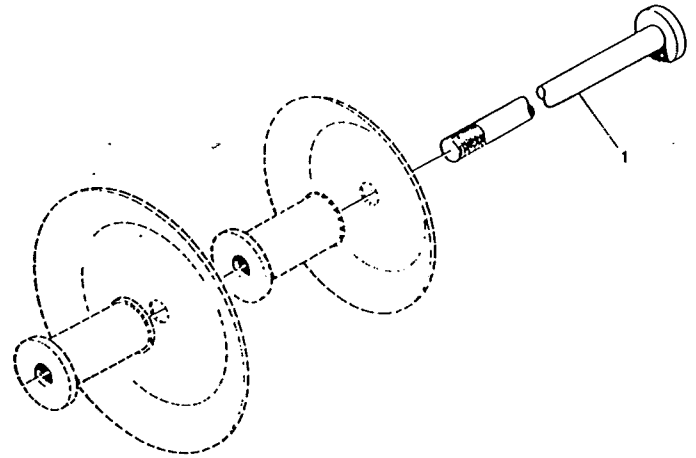
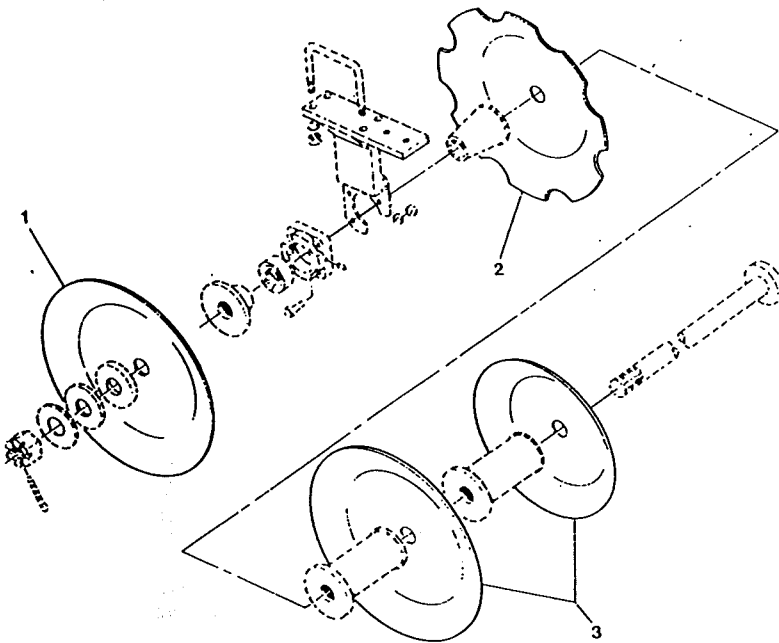


STONE FLEX HANGER - FOR T2-215 BEARINGS

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG9900	Housing, Heavy Duty Industrial Type, T2-215 Trunion Mounted, c/w Bearings, Seals, Sleeve Snap Rings & Cap	*	5	DGA5328	Plate, Backing	*
2	DGA10570	Bracket, Standard Mounting, For Trunion Mounted Bearing	*	6	DG5325	U-Bolt, 7/8\" x 7-5/8\"	*
2A	DGA10575	Bracket, 2\" Offset Mounting, For Trunion Mounted Bearing	*	7		Bolt, Hex, 5/8\" x 10\" N.C.	*
	DGA10576	Bracket, 3-1/2\" Offset Mounting, For Trunion Mounted Bearing (3609 only)	*	8		Bolt, Hex, 3/4\" x 3-1/2\" N.C.	*
3	DGS313	Shank, Spring, 1-1/4\" x 2-1/2\"	*	9		Nut, Hex, 5/8\" N.C.	*
4	DGS333	Bracket, Scraper Bar Support, For Standard & 3-1/2\" Offset	*	10		Nut, Hex, 3/4\" N.C.	*
	DGS336	Bracket, Scraper Bar Support, For 2\" Offset Hanger, Used On Front L.H. Gang or Rear R.H. Gang	*	11		Nut, Hex, 7/8\" N.C.	*
	DGS337	Bracket, Scraper Bar Support, For 2\" Offset Hanger, Used On Front R.H. Gang or Rear L.H. Gang	*	12		Lockwasher, Helical Spring, 5/8\"	*
				13		Lockwasher, Helical Spring, 3/4\"	*
				14		Lockwasher, Helical Spring, 7/8\"	*
				15	10GN1	Fitting, Grease, 1/4\" - 28	*

* As Required

MODEL 3600-3650 DISC



DISC BLADES

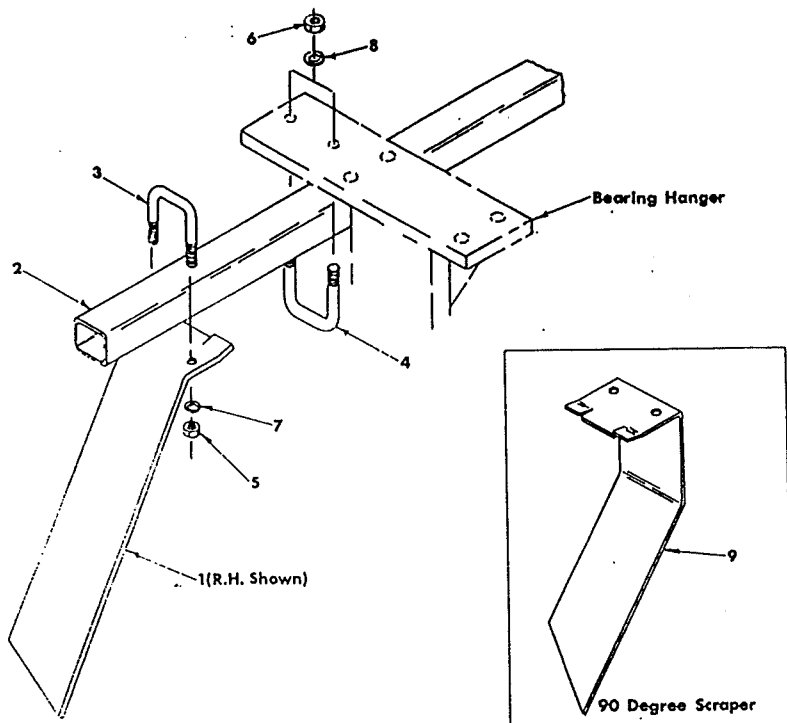
Ref. No.	Part No.	Description	Qty. Req'd
1	DG76	Blade, Plain Disc, 24" x 7 mm (.275)	*
	DG137	Blade, Plain Disc, 24" x 8 mm (5/16")	*
	DG80	Blade, Plain Disc, 26" x 7 mm (.275)	*
	DG74	Blade, Plain Disc, 26" x 8 mm (5/16")	*
	DG139	Blade, Cone Disc, 24" x 7 mm (.275) - Solid	*
	DG141	Blade, Cone Disc, 26" x 7 mm (.275) - Solid	*
	DG157	Blade, Cone Disc 26" x 8 mm (5/16") - Solid	*
2	DG138	Blade, Notched Disc, 24" x 8 mm (5/16")	*
	DG75	Blade, Notched Disc, 26" x 8 mm (5/16")	*
	DG158	Blade, Notched Cone Disc, 26" x 8 mm (5/16")	*
3	DG61	Blade, Notched Outtrigger, 22" x 7 mm	*
	DG84	Blade, Plain Outtrigger, 16" x 4 mm (.157)	*
	DG133	Blade, Plain Outtrigger, 18" x 5 mm (.197)	*
	DG134	Blade, Plain Outtrigger, 20" x 5 mm (.197)	*
	DG64	Blade, Plain Outtrigger, 22" x 6 mm (.236)	*

DISC GANG BOLTS

Ref.No.	Part No.	Description	Qty. Req'd
1		FOR 9" SPACING	
	DGA65	Bolt, Gang, 5 Blade - 42-3/4" Long	*
	DGA66	Bolt, Gang, 6 Blade - 52" Long	*
	DGA67	Bolt, Gang, 7 Blade - 61-3/4" Long	*
	DGA68	Bolt, Gang, 8 Blade - 71" Long	*
	DGA70	Bolt, Gang, 10 Blade - 89-1/2" Long	*
	DGA72	Bolt, Gang, 12 Blade - 108" Long	*
	DGA73	Bolt, Gang, 13 Blade - 117-1/2" Long	*
		FOR 10-1/2" SPACING	
	DGA85	Bolt, Gang, 4 Blade - 38" Long	*
	DGA75	Bolt, Gang, 5 Blade - 48-1/2" Long	*
	DGA76	Bolt, Gang, 6 Blade - 60" Long	*
	DGA78	Bolt, Gang, 8 Blade - 81-1/4" Long	*
	DGA80	Bolt, Gang, 10 Blade - 103" Long	*
	DGA82	Bolt, Gang, 12 Blade - 124-3/4" Long	*
	DGA84	Bolt, Gang, 14 Blade - 146-1/2" Long	*
		FOR 12" SPACING	
	DGA124	Bolt, Gang, 3 Blade - 26" Long	*
	DGA114	Bolt, Gang, 4 Blade - 43-1/4" Long	*
	DGA115	Bolt, Gang, 6 Blade - 67-3/4" Long	*
	DGA69	Bolt, Gang, 7 Blade - 80" Long	*
	DGA79	Bolt, Gang, 8 Blade - 92" Long	*
	DGA119	Bolt, Gang, 10 Blade - 117" Long	*
	DGA120	Bolt, Gang, 11 Blade - 129" Long	*

* As Required

MODEL 3600-3650 DISC



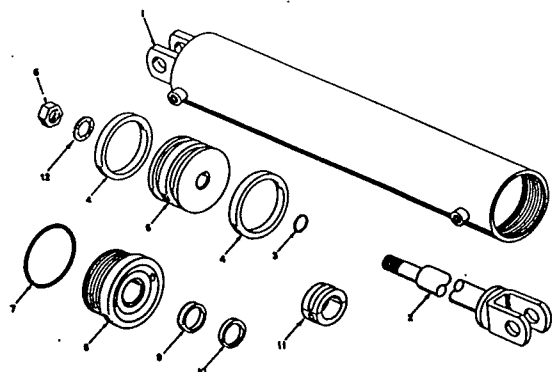
SCRAPER ASSEMBLY PARTS

Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	Scraper (Standard) - Rear R.H. & Front L.H.	*
	DG5301	Scraper (Standard) - Rear L.H. & Front R.H.	*
	DG5304	Scraper (For Cone Blades Only) - Rear R.H. & Front L.H.	*
	DG5305	Scraper (For Cone Blades Only) - Rear L.H. & Front R.H.	*
	SCRAPER BARS FOR 9" SPACING		
	DS45	5 Blade Scraper Bar - 45-1/2"	*
	DS52	6 Blade Scraper Bar - 52" (For Gang With One 90 Degree Scraper)	*
	DS64	7 Blade Scraper Bar - 64"	*
	DS60	7 Blade Scraper Bar - 60" (For Gang With One 90 Degree Scraper)	*
	DS73	8 Blade Scraper Bar - 73-1/2"	*
	DS82	9 Blade Scraper Bar - 82"	*
	DS78	9 Blade Scraper Bar - 78-1/2" (For Gang With One 90 Degree Scraper)	*
	DS92	10 Blade Scraper - 92"	*
	DS88	10 Blade Scraper - 88" (For Gang With One 90 Degree Scraper)	*
	DS110	12 Blade Scraper Bar - 110"	*
DS107	DS107	12 Blade Scraper Bar - 107" (For Gang With One 90 Degree Scraper)	*
	DS115	13 Blade Scraper Bar - 115-1/2" (For Gang With One 90 Degree Scraper)	*
	DS129	14 Blade Scraper Bar - 129-1/2"	*
	SCRAPER BAR FOR 10-1/2" SPACING		
	DS41	4 Blade Scraper Bar - 41"	*
	DS36	4 Blade Scraper Bar - 36-1/2" (For Gang With One 90 Degree Scraper)	*

Ref. No.	Part No.	Description	Qty. Req'd
	DS52	5 Blade Scraper Bar - 52"	*
	DS58	6 Blade Scraper Bar - 58" (For Gang With One 90 Degree Scraper)	*
	DS82	8 Blade Scraper Bar - 82"	*
	DS105	10 Blade Scraper Bar - 105"	*
	DS127	12 Blade Scraper Bar - 127-1/2"	*
	DS149	14 Blade Scraper Bar - 149"	*
	SCRAPER BAR FOR 12" SPACING		
	DS32	3 Blade Scraper Bar - 32-1/2"	*
	DS45	4 Blade Scraper Bar - 45-1/2"	*
	DS66	6 Blade Scraper Bar - 66" (For Gang With One 90 Degree Scraper)	*
	DS82	7 Blade Scraper Bar - 82"	*
	DS94	8 Blade Scraper Bar - 94-1/2"	*
	DS120	10 Blade Scraper Bar - 120"	*
	DS132	11 Blade Scraper Bar - 132"	*
3	DG5308	1/2" x 2" U-Bolt	*
4	DG5309	5/8" x 2" U-Bolt	*
5		1/2" N.C. Hex Nut	*
6		5/8" N.C. Hex Nut	*
7		1/2" Lockwasher	*
8		5/8" Lockwasher	*
9	DG9697	L.H. Scraper - 90 Degree	*
	DG9698	R.H. Scraper - 90 Degree	*
	DG9783	L.H. Scraper - 90 Degree (For Cone Blades Only)	*
	DG9784	R.H. Scraper - 90 Degree (For Cone Blades Only)	*

* As Required

ROCKSHAFT CYLINDER - N4 -NUT TYPE - FOR DISC WITH SERIAL #21711 AND UP - MODEL 3600-3650

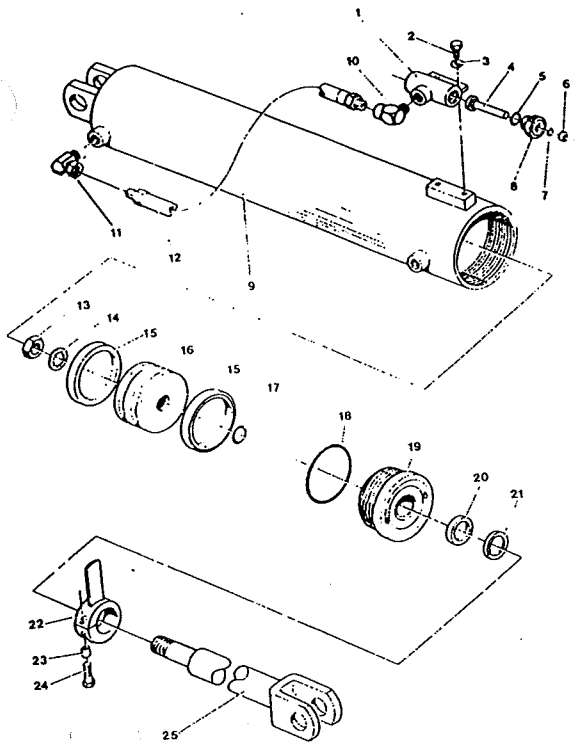


Ref. No.	Part No.	Description	Qty. Req'd
1	50TU9	Tube Assembly - 5" x 24"	1
2	10SH46	Shaft - 1-3/4" x 24"	1
3	10OR18	1/8" x 1-1/4" O.D. O-Ring	1
4	50CU1	U-Cup	1
5	50PB1	Piston	2
6	10RU2	1" - 14 UNS Hex Nut	1
7	10OR14	1/4" x 5" O.D. O-Ring	1
8	50HP1	Head Plate - 5" O.D. x 1-3/4" I.D.	1
9	10RS3	Rod Seal - 1-3/4" I.D.	1
10	10WS3	Wiper Seal - 1-3/4" I.D.	1
11	CR50711	Depth Control Stop Ring - 1" Long	*
	CR50712	Depth Control Stop Ring - 1-1/2" Long	*
	CR50713	Depth Control Stop Ring - 1-3/4" Long	*
	CR50714	Depth Control Stop Ring - 2" Long	*
	CR50717	Depth Control Stop Ring - 4-1/2" Long	*
12	10SW2	Internal Star Washer - 1" I.D.	1

* As Required

MODEL 3600-3650 DISC

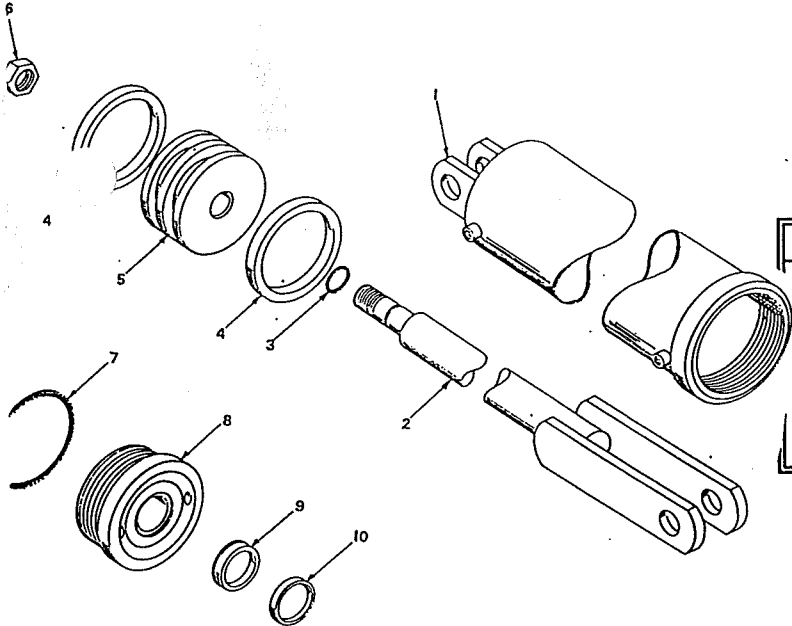
ROCKSHAFT CYLINDER - HYDRAULIC DEPTH STOP TYPE - MODEL 3600



Item	Part No.	Description	All Models
1	213	Cylinder, Rockshaft, 5" Dia. x 24", c/w Depth Control Stop	1
2	DCA7	Depth Control Assembly (Includes Items 4 to 8)	1
3		Cap screw, Hex. Gr. 5, 1/2" - 13 UNC x 7/8"	2
4	DC28	Lockwasher, Helical Spring, 1/2" I.D.	2
5	DC29	Piston	1
6	DC29	O-Ring, 7/8" I.D. x 1-1/16"	1
7	DC32	Seal, Wiper, 3/8" I.D.	1
8	DC20	O-Ring, 3/8" I.D. x 1/16"	1
9	DC30	Plug	1
10	50TU2	Tube Assembly, 5" Dia. x 24"	1
11	DL9777	Elbow, Street, 90 Degree, 1/2" NPT (Steel)***	2
12	DL9775	1/2" x 90 Degree Swivel Elbow (Male-Female)**	1
13	H26-1	Hose Assembly, 1/2" - 100 RIA x 26"	1
14		Nut, Hex. Gr. 8, 1-14 UNS	1
15		Lockwasher, Internal Tooth, 1" I.D.	1
16	50CU1	U-Cup, 4-1/2" I.D. x 5" O.D. x 9/16"	2
17	50PB1	Piston, 5" O.D. x 2-1/2"	1
18	10OR13	O-Ring, 1-1/4" O.D. x 1/3"	1
19	10OR14	O-Ring, 5" O.D. x 1/4"	1
20	50HP1	Head, Plate, 1-3/4" I.D. x 5" O.D.	1
21	10RS3	Seal, Rod, 1-3/4" I.D. x 2-1/8" O.D. x 3/8"	1
22	10WS3	Seal, Wiper, 1-3/4" I.D. x 2-1/8" O.D. x 3/16"	1
23	DCA6	Stop, Depth Control (Includes Items 23 & 24)	1
24	DC33	Spacer, 3/8" I.D. x 11/16"	1
25		Cap screw, Hex. Gr. 5, 3/8" - 16 UNC x 1-3/4"	1
26	10SH26	Shaft, 1-3/4" Dia. x 24"	1
27	DCB4	Seal Kit, Depth Control (Includes Items 5 to 7)	*
	5017N4	Seal Kit, Cylinder (Includes Items 15, 17, 18, 20, 21)	*

* As Required
 ** Fluidic Part No. 8024-08-08
 *** Fluidic Part No. 8024-08-08

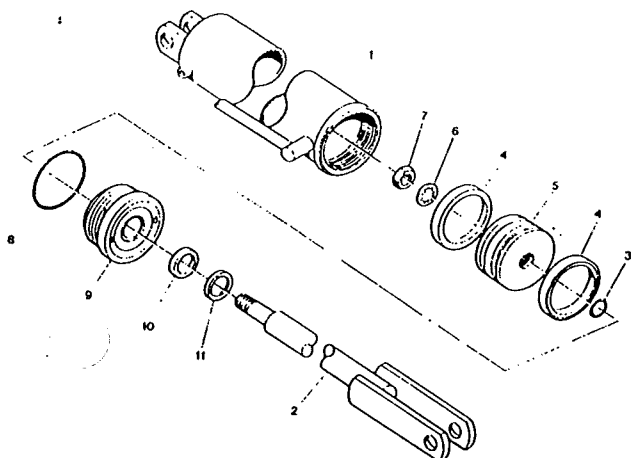
WING LIFT CYLINDER - WITHOUT STEEL OIL LINE (5" x 36" CYLINDER) - MODEL 3600-3650



Ref. No.	Part No.	Description	Qty. Req'd
1	50TU8	Tube Assembly - 5" x 36" (Less Steel Oil Line) For Cylinder #242	1
2	10SH36	Shaft - 1-3/4" x 36", For 1-1/4" Nut	1
3	10OR19	1-1/8" I.D. x 1-1/4" O.D. O-Ring, For 1-1/4" Nut	1
4	50CU1	5" U-Cup	2
5	50PB2	Piston - For 1-1/4" Nut	1
6	10NU3	1-1/4" x 12 UNS Hex Nut	1
7	10OR14	4-1/2" I.D. x 5" O.D. O-Ring	1
8	50HP1	5" Head Plate	1
9	10RS3	Rod Seal	1
10	10WS3	Wiper Seal	1

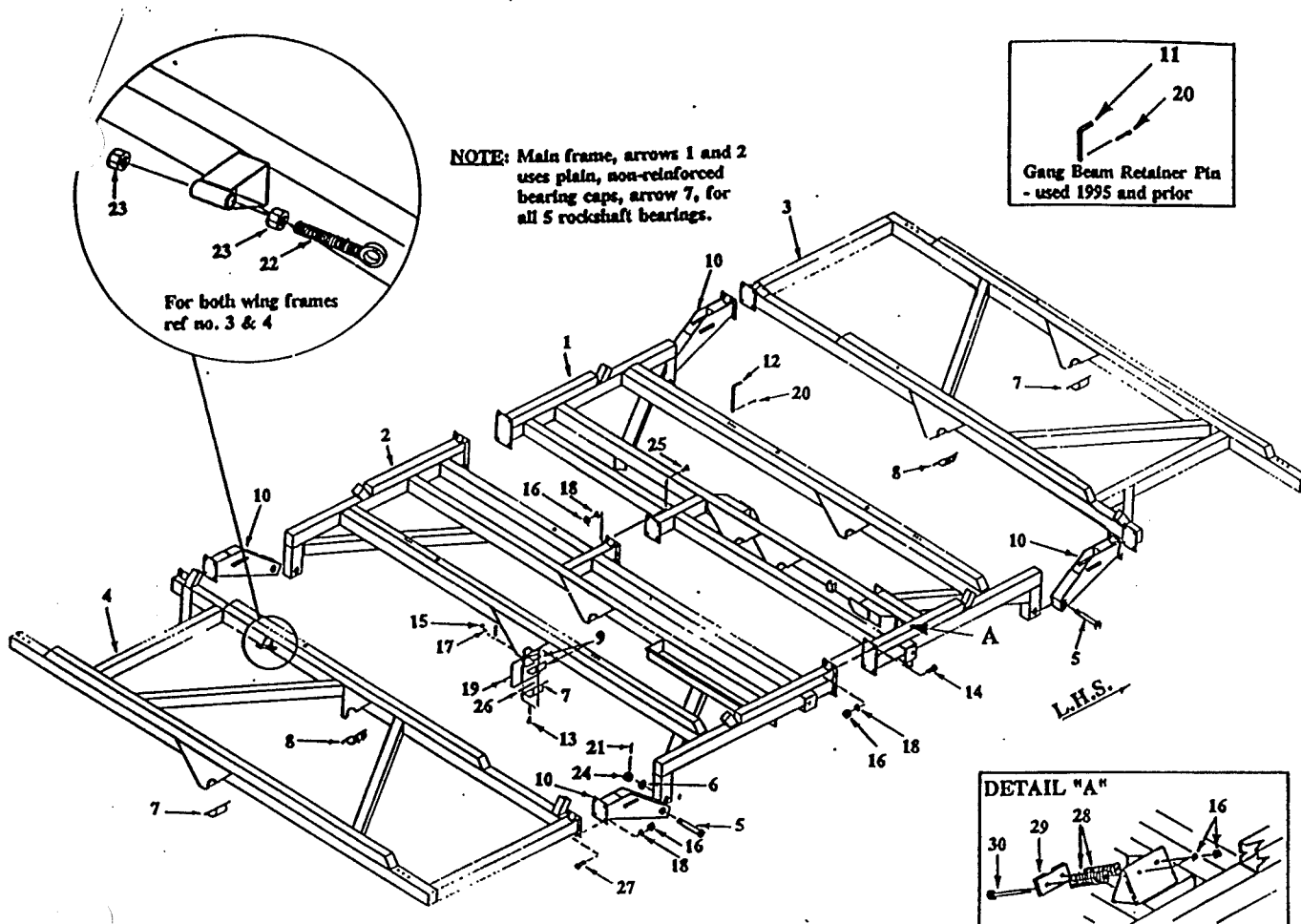
* As Required

WING LIFT CYLINDER - WITH METAL OIL LINE (5" x 36" CYLINDER) - MODEL 3600



Item	Part No.	Description	All Models
1	215	Wing Lift Cylinder Assembly	4
2	50TU5	Tube Assembly, 5" Dia. x 36"	1
3	10SH28	Shaft, 1-3/4" x 36"	1
4	10OR13	O-Ring, 1" I.D. x 1-1/4" O.D.	1
5	50CU1	U-Cup, 5" x 4-1/2" x 9/16"	2
6	50PB1	Piston, 5" O.D. x 2-1/2"	1
7	10SW2	Lockwasher, Internal Tooth, 1" I.D.	1
8	10NU2	Nut, Hex. 1-14 UNS	1
9	10OR14	O-Ring, 4-1/2" I.D. x 5" O.D.	1
10	50HP1	Head Plate, 1-3/4" I.D. x 5" O.D.	1
11	10RS3	Rod Seal, 1-3/4" x 2-1/8" x 3/8"	1
	10WS3	Wiper Seal, 1-3/4" x 2-1/8" x 3/16"	1
	5017N4	Kit, Repair (Includes 3, 4, 8, 10, 11)	1

MODEL 3850 DISC

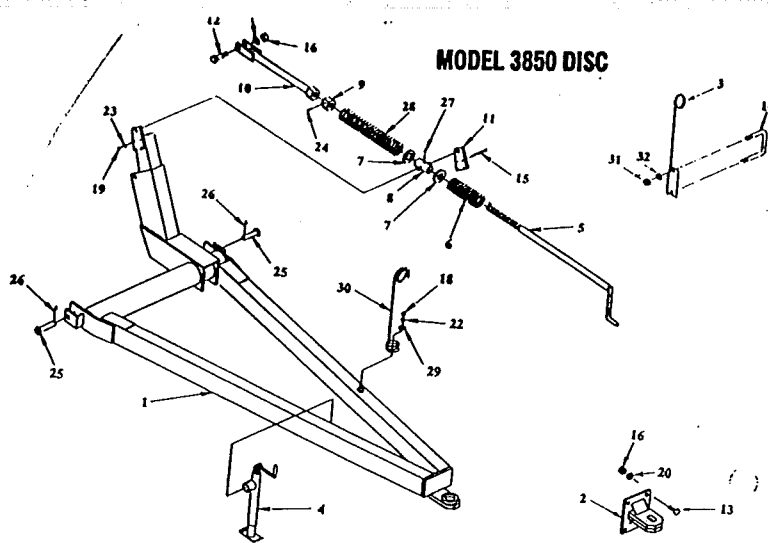


FRAME & WING LIFT BRACKET

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA9501	L.H. MAIN FRAME HALF c/w three rockshaft bearing caps, ref. #7.	1
2	DFA9502	R.H. MAIN FRAME HALF c/w two rockshaft bearing caps, ref. #7.	1
3	DFA9503	L.H. WIDE WING FRAME - 82" overall width c/w two rockshaft bearing caps, ref. #7 and 8, ref. #11, and cylinder lug I-bolt, ref. #22. (For 41-1/2', 42', 43', 44', 45', 47', 47-1/2', and 48' models)	1
		L.H. NARROW WING FRAME - 56" overall width c/w two rockshaft bearing caps, ref. #7 and 8, and cylinder lug I-bolt, ref. #22. (For models 41' and smaller)	1
4	DFA9504	R.H. WIDE WING FRAME - 82" overall width c/w two rockshaft bearing caps, ref. #7 and 8 and cylinder lug I-bolt, ref. #22. (For models 41-1/2', 42', 43', 44', 45', 47', 47-1/2' and 48' models)	1
		R.H. NARROW WING FRAME - 56" overall width c/w two rockshaft bearing caps, ref. #7 and 8 ref. 11, and cylinder lug I-bolt, ref #22. (For models 41' and smaller)	1
5	DFA9594	Hinge bolt	4
6	DH3	Washer	4
7	DFA5041	Rockshaft bearing cap - plain, non-reinforced type	7
8	DFA5080	Rockshaft bearing cap - reinforced type	2
9	DR5259	Rockshaft bearing liner half	18
	DFA9585	Wing lift hinge bracket	4
		Item 11 not shown	
		Item 12 not shown	
13		3/4" x 2-1/2" N.C. hex. bolt	18
14		1" x 3-1/4" N.C. hex. bolt (Plated)	24

Ref. No.	Part No.	Description	Qty. Req'd
15	--	3/4" N.C. hex. nut	18
16	--	1" N.C. hex. nut (Plated)	28
17	--	3/4" lockwasher	18
18	--	1" lockwasher (Plated)	28
19	10GN1	1/4" - 28 straight grease fitting	8
20	--	Item 20 not shown	
21	DG83	3/8" x 3" cotter pin	4
22	DFA9564	1-1/4" N.C. I-bolt cylinder lug (for both wing frames ref. #3 and 4)	2
23	--	1-1/4" N.C. hex. nut	4
24	DG82	2" N.C. slotted hex. nut	4
25	--	1" x 2-3/4" N.C. hex. bolt	4
26	DF5063	Rockshaft bearing cap shim	45
27	--	See Item #14	
28	DC5187	5-1/2" long compression spring	4
29	DFA10047	Spring cushion plate	1
30	--	1" x 14" N.C. hex. bolt	2
31	DW9578	Shim, 2" x 10"	*
32	DW9577	2" I.D. x 3/16" rear hinge arm shim washer	*
DECALS			
	DF10050	Red Reflector Decal - 2" x 4"	4
	DF10057	Yellow Reflector Decal - 2" x 4"	4
	S81504	Ezee-On Decal 3" x 18-3/4"	4
	DF9941	Floating Hitch Decal	1
	DF7148	Levelling Crank Decal	1
	DF7152	Maintenance/Lubrication Decal	4
	DF9500	"3850" Decal	1
	DF9506	Caution/Danger Decal 2-1/4" x 11-1/2"	1
	DF9507	Danger Decal 3-1/2" x 15-1/4"	1
	DF9510	Caution Decal 3-1/2" x 15-1/4"	1

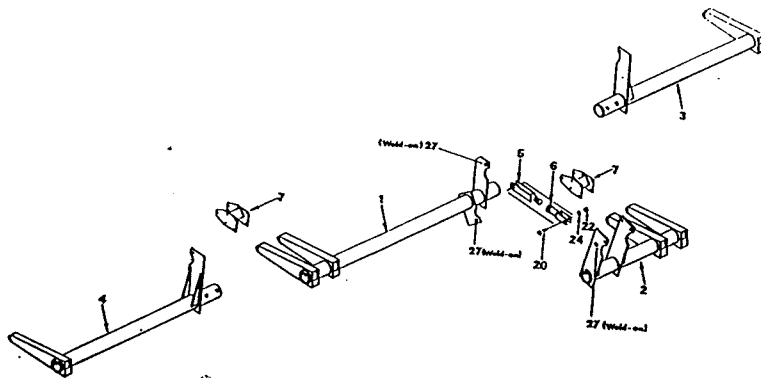
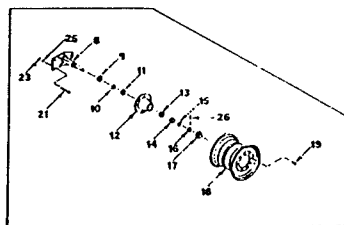
* As Required



HITCH & LEVELLING CRANK (FLOAT TYPE)

Ref. No.	Part No.	Description	Qty. Req'd
1	DHB9950	Hitch c/w levelling arm lug, ref. #12 two pins, ref. #26 and four 1" x 2-1/2" bolts c/w nuts and lockwashers	1
2	DHB5179	Male Hitch - used 1995 and prior	1
3	DCA5161	Hose Support - used 1993 and prior - order spring coil type #DH9961 requires 5/8" x 1-1/2" bolt to be welded to top of hitch - spring coil type support is secured to bolt with 5/8" nut, flatwasher and lockwasher.	1
4	DHB5170	Hitch Jack	1
5	DCA9970	Levelling Crank (50")	1
6	DC3615	Compression Spring	1
7	DC15	Thrust Bearing - Timken #T199	2
8	DCA5184	Bearing Tube - Levelling Crank	1
9	DH5	2" N.C. Heavy Hex Nut - drilled for set screw	1
10	DCA5181	Levelling Link	1
11	DH5146	Levelling Arm Lug	1
12	DRS215	1-1/4" x 3-3/4" Hex Bolt - Special	1
13		1" x 2-1/2" N.C. Hex Bolt - used 1995 and prior	4
14	DG18	3/4" x 6" U-bolt - used 1993 and prior	1

Ref. No.	Part No.	Description	Qty. Req'd
15		1/2" x 5" N.C. Hex Bolt	4
16		1-1/4" N.C. Hex Nut	1
17		1" N.C. Hex Nut - used 1995 and prior	4
18		5/8" N.C. Hex Nut	3
19		1/2" N.C. Hex Nut	4
20		1-1/4" Lockwasher	1
21		1" Lockwasher - used 1995 and prior	4
22		5/8" Lockwasher	3
23		1/2" Lockwasher	4
24		1/2" x 1" N.C. square head set screw	1
25	DH9605	Hitch Pin - 1-1/2" dia. X 5-1/8" long	2
26	DH12517	7/16" x 1-7/16" Lynch Pin	2
27	10GN1	1/4" - 28 Grease Fitting	1
28	DC9618	Compression Spring - 21-3/8" long	1
29		11/16" I.D. x 1-3/4" O.D. Flatwasher	1
30	DH9961	Hose support - spring coil type	1
31		3/4" N.C. Hex Nut - used 1993 and prior	1
32		3/4" Lockwasher - used 1993 and prior	1

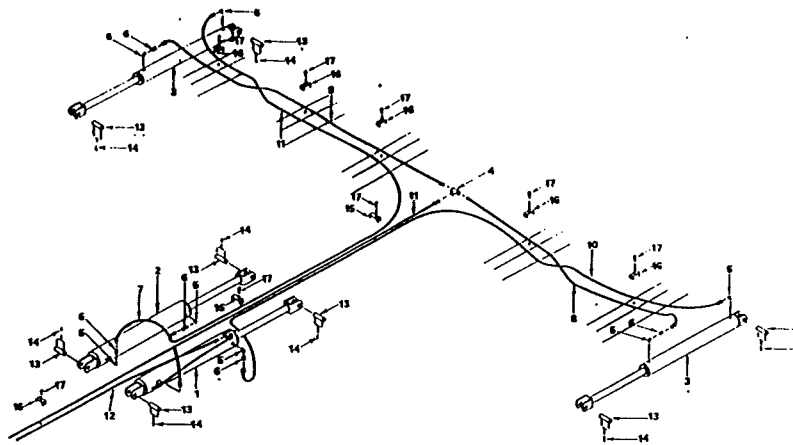


ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA9623	R.H. Main Frame Rockshaft - 108" long	1
2	DRA9629	L.H. Main Frame Rockshaft - 53-1/2" long	1
3	DRA9638	L.H. Wide Wing Frame Rockshaft - 90" long	1
	DRA9640	L.H. Narrow Wing Frame Rockshaft - 64" long	1
4	DRA9633	R.H. Wide Wing Frame Rockshaft - 90" long	1
	DRA9643	R.H. Narrow Wing Frame Rockshaft - 64" long	1
5	DRA9620	Male half - rockshaft link	1
6	DRA5210	Female half - rockshaft link	1
7	DRA9645	Wheel leg spacer - 7-1/2" long	2
8	DRA9677	Spindle	6
9	DR9680	Grease seal	6
10	DR9684	Inner cone Brg. - #3780	6
11	DR9682	Inner cup - #3120	6
12	DRA9679	Hub c/w cups - 8 bolt	6
13	DR9683	Outer cup - #2720	6
14	DR9685	Outer cone brg. - #2790	6

Ref. No.	Part No.	Description	Qty. Req'd
15		2" O.D. x 1-1/16" I.D. x 1/8" flat washer	6
16	DR110	1" N.F. hex. slotted nut	6
17	DR9681	Hub cap	6
18	DR9688	W14C x 16.1 - 8 bolt wheel	6
	DR9668	14.00 x 19.5 - 8 bolt wheel (optional) - used on center frame wheels only	4
19	DR9671	9/16" x 1-1/16" N.F. wheel stud	48
20	DRS215	1-1/4" x 4-3/4" N.C. hex. bolt	2
21	DR9670	9/16" - 18 2A UNF hex. lock nut	30
22		3/4" x 6-1/2" N.C. hex. bolt	30
23		1-1/4" N.C. hex. nut	2
24		3/4" N.C. hex. nut	30
25		1-1/4" lockwasher	2
26		3/4" lockwasher	30
27		3/16" x 1-1/4" cotter pin	6
28	DRS227	1-1/4" ball joint (weld-on)	3
29	DR9686	Backing plate (for wing rockshaft only)	2

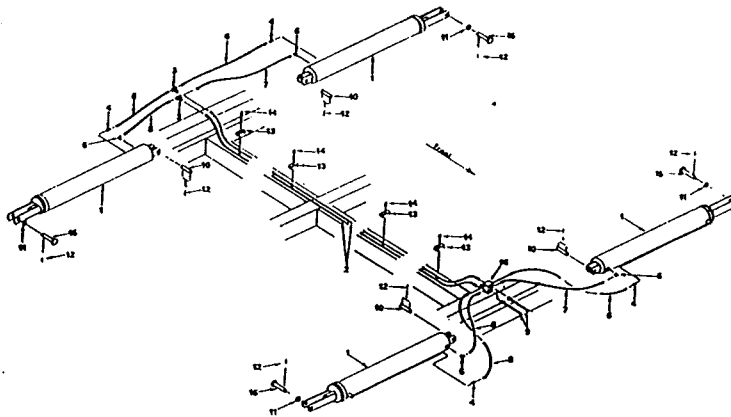
MODEL 3850 DISC



ROCKSHAFT CYLINDER HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	207	4" x 24" Depth Control Main Rockshaft Cylinder c/w depth control stop, less flo-valve, fittings and hose	1
2	206	4" x 24" R.H. Main Rockshaft Cylinder	1
3	203	3-1/2" x 24" Wing Rockshaft Cylinder	2
4	DL5274	1/2" tee (steel)	1
5	DL5271	1/2" x 90 degree street elbow (steel)	1
6	DC27	1/2" male-female swivel adapter	5
7	L2954	1/2" x 25" hose	1
8	L2956	1/2" x 120" hose	1
	L2962	1/2" x 186" hose	1

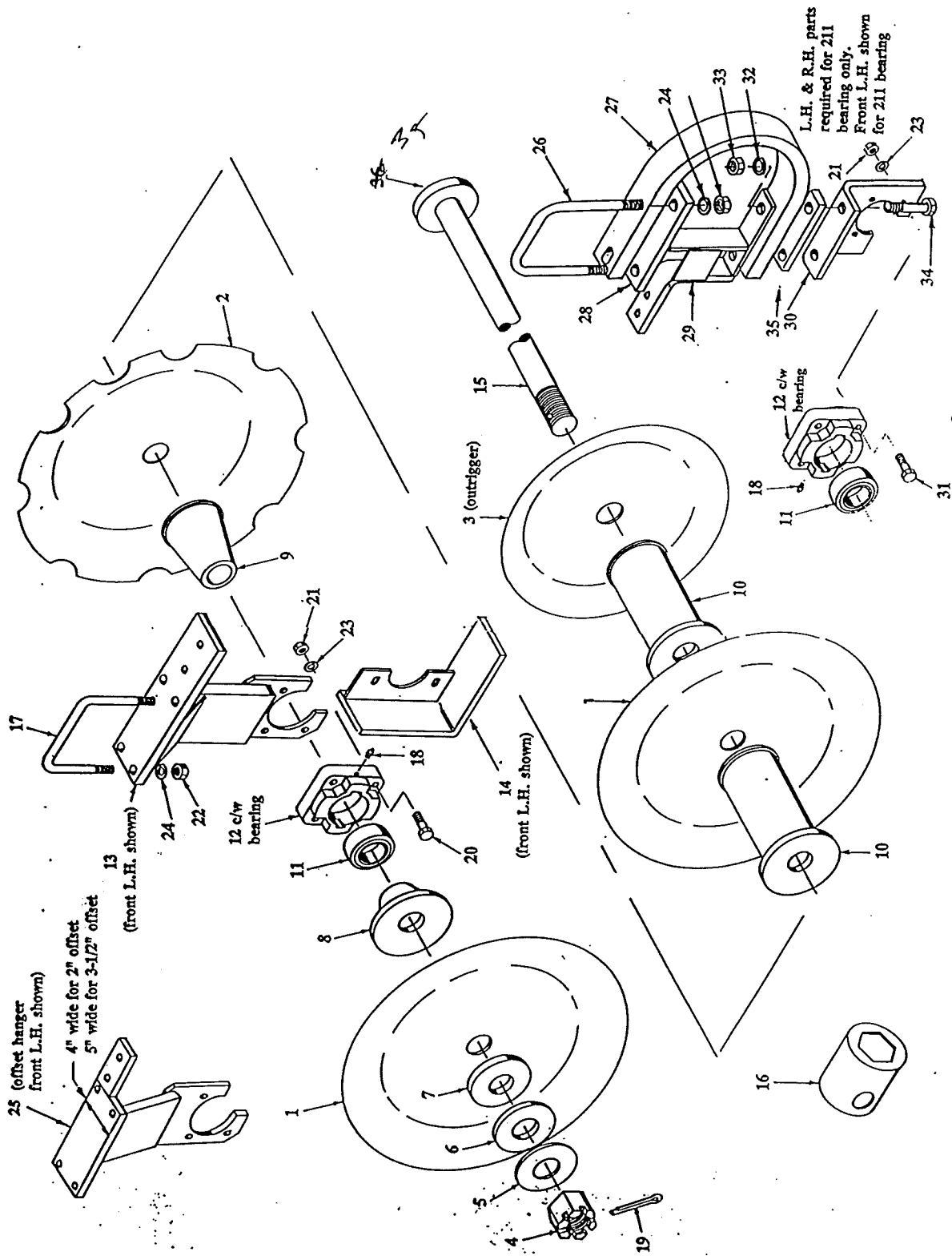
Ref. No.	Part No.	Description	Qty. Req'd
10	L2964	1/2" x 198" hose	1
11	L2969	1/2" x 276" hose	1
12	L2967	1/2" x 240" hose	1
13	DR5252	1-1/4" dia. x 4-1/8" long cylinder pin	8
14	--	1/4" x 1-1/2" cotter pin	16
15	DL9770	3 hose hold down clip - for 1/2" hose	2
16	DL9766	2 hose hold down clip - for 1/2" hose	
17	--	1/2" x 1" N.C. hex. bolt	7
18	DL9775	1/2" x 90 degree swivel elbow (male-female)	6
19	L2970	1/2" x 300" hose	1



WING LIFT HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	242	5" x 36" wing lift cylinder	4
2	L2925	3/8" x 216" hyd. hose	2
3	DL5282	3/8" tee (steel)	2
4	HL2947	3/8" x 57" hose	2
5	DL9769	3/8" x 90 degree male-female swivel elbow	4
6	C4325	3/8" x 76" hose	2
7	L2907	3/8" x 36" hose	2
	L2904	3/8" x 23" hose	2
9	L2949	3/8" x 168" hose (one 1/2" end, one 3/8" end)	2

Ref. No.	Part No.	Description	Qty. Req'd
10	DR5252	Cylinder pin - 1-1/4" dia. x 4-1/8" long	4
11	DF5068	1-5/16" I.D. x 2" O.D. washer	8
12	--	1/4" x 1-1/4" cotter pin	12
13	L9771	2 Hose hold-down clip for 3/8" hose	4
14	--	1/2" x 3/4" N.C. hex. bolt	4
15	DFA9511	Cylinder pin - 1-1/4" dia. x 6-1/4" long	4
16	--	Item 16 not shown	
17	DL5279	3/8" male-female swivel adapter (0.62 orifice)	4
18	DL9761	3/8" cross (steel)	2
19	DL9779	3/8" x 90 degree street elbow (steel)	4



OPTIONAL SPRING HANGER

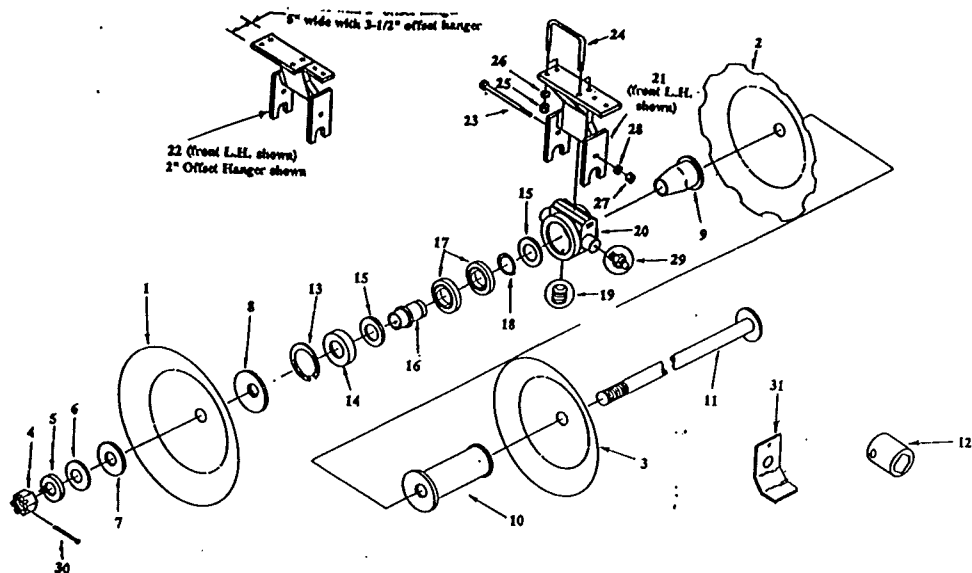
**MODEL 3850 DISC
(9" SPACING)**

DISC GANG(FOR DISCS WITH 214, OR 410 SERIES BEARING ONLY)

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG137	24" x 8mm (5/16") plain disc blade	*	16	DGA35	Socket wrench	*
	DG74	26" x 8mm (5/16") plain disc blade	*	17	DG5379	U-bolt 7/8" x 5-7/8" long - use on standard hangers. (For 6" x 4" gang beams)	*
	DG107	26" x 9mm (.354") plain disc blade	*	18	10GN1	1/4" - 28 grease fitting	*
	DG157	26" x 8mm (5/16") cone disc blade - plain	*	19	DG10310	7/16 x 3" lock pin	*
2	DG138	26" x 8mm (5/16") notched disc blade	*	20	--	5/8" x 2-1/4" N.C. hex. bolt - 214 and 410 series bearing	*
	DG75	26" x 8mm (5/16") notched disc blade	*		--	5/8" x 2-1/2" N.C. hex. bolt - 214 and 410 series bearing (if sand guards are used)	*
	DG87	26" x 9mm (.354") notched disc blade	*	21	--	5/8" N.C. hex. nut - for 214 and 410 series bearing	*
	DG158	26" x 8mm (5/16") cone disc blade - notched	*	22	--	7/8" N.C. hex. nut	*
	DG159	26" x 9mm (.354") cone disc blade - notched	*	23	--	5/8" lockwasher - for 214 and 410 series bearing	*
3	DG84	16" x 4mm (.157") plain outrigger blade	*	24	--	7/8" lockwasher	*
	DG133	18" x 5mm (.197") plain outrigger blade	*	25	DGA5322	Front R.H., Rear L.H. offset hanger - 214 and 410 series hanger, 2" offset	*
	DG134	20" x 5mm (.197") plain outrigger blade	*		DGA5323	Front L.H., Rear R.H. offset hanger - 214 and 410 series hanger, 2" offset	*
	DG64	22" x 6mm (.236") plain outrigger blade	*	26	DG5325	7/8" U-bolt x 7-5/8" long (stone flex hanger)	*
	DG76	24" x 7mm (.275") plain outrigger blade	*	27	DG5313	Spring shank - 1-1/4" x 2-1/2" (stone flex hanger)	*
4	DG82	2" N.C. heavy hex. slotted nut	*	28	DGA5328	Backing plate (stone flex hanger)	*
5	DG89	1/4" shim washer	*	29	DGA5333	Scraper bar support bracket - for standard stone flex hanger (shown)	*
6	DG88	1/2" shim washer	*		DGA5336	Scraper bar support bracket - for offset stone flex hanger - used on front L.H. gang or rear R.H. gang	*
7	DG78	5-1/2" O.D. x 2" I.D. x 5/8" head washer	*		DGA5337	Scraper bar support bracket - for offset stone flex hanger - used on front R.H. gang or rear L.H. gang	*
8	DGA106**	9" spacing short half spool for 214, and 410 bearings. 3-1/4" long (convex side) w/ 6" washer	*	30	DG5324	Mounting bracket for 214 & 410 series - std. stone flex hanger	*
	DGA103	9" spacing long half spool for 214 bearings, 4-3/16" long (concave side)	*		DGA5376	Mounting bracket for 214 & 410 series - 1-1/2" offset stone flex hanger	*
	DGA136	9" spacing long half spool for 410 bearings, 3-11/16" long (concave side)	*		DGA5341	Mounting bracket for 214 & 410 series - 2-1/2" offset stone flex hanger	*
10	DGA100	9" spacing spool - 6" dia. one end	*	31	--	5/8" x 2-1/4" N.C. hex. bolt - 214 and 410 series bearing	*
11	DG38	214 series greaseable bearing - inner ring width 1-5/8"	*		--	5/8" x 2-1/2" N.C. hex. bolt - 214 and 410 series bearing (if sand guards are used)	*
	DG108	410 series greaseable bearing - inner ring width 2-1/8"	*	32	--	3/4" lockwasher	*
12	DGB5335	214 housing c/w bearing and grease fitting	*	33	--	3/4" N.C. hex. nut	*
	DG109	410 housing c/w bearing and grease fitting	*	34	--	3/4" x 3-1/2" hex. bolt	*
13	DGA5319	Front L.H., Rear R.H. bearing hanger - 214 & 410 series bearing	*	35	DGA5370	5" O.D. weld-on gang washer	4
	DGA5318	Front R.H., Rear L.H. bearing hanger - 214 & 410 series bearing	*				
14	DGA39	Front R.H., Rear L.H. sand guard for 214 and 410 series bearing	*				
	DGA40	Front L.H., Rear R.H. sand guard for 214 and 410 series bearing	*				
15		<u>GANG BOLT for 9" SPACING</u>					
	DGA65	5 blade gang bolt - 42-3/4" long	*				
	DGA67	7 blade gang bolt - 61-3/4" long	*				
	DGA68	8 blade gang bolt - 71" long	*				
	DGA69	9 blade gang bolt - 80" long	*				
	DGA70	10 blade gang bolt - 89-1/2" long	*				
	DGA71	11 blade gang bolt - 98-3/4" long	*				
	DGA73	13 blade gang bolt - 117-1/2" long	*				
	DGA74	14 blade gang bolt - 126-1/2" long	*				

* As Required
** 6" Diameter

MODEL 3850 DISC



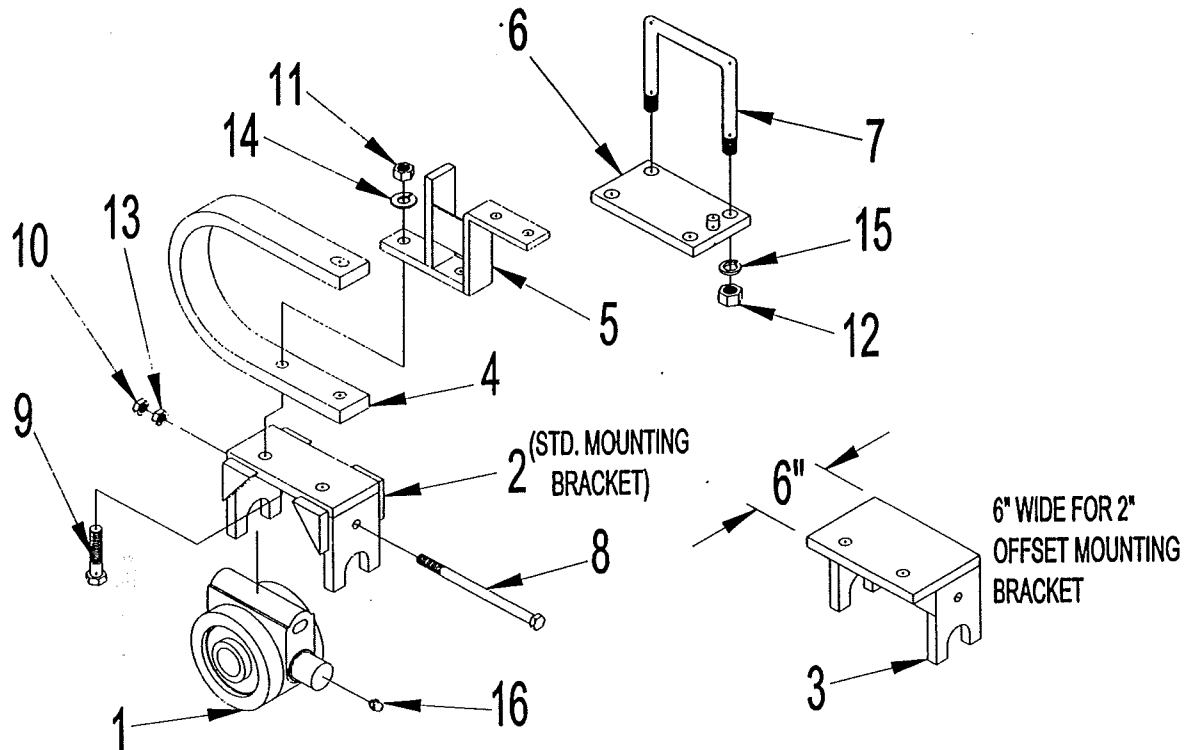
DISC GANG (WITH STANDARD BEARING HANGERS FOR T2-215 BEARINGS)

Ref. No.	Part No.	Description	Qty. Req'd
1	--	Blade, plain & notched disc (see Disc Gang Parts list for 214 & 410 bearings)	*
2	--	Blade, plain & cone disc (see Disc Gang Parts list for 214 & 410 bearings)	*
3	--	Blade, plain outrigger disc (see Disc Gang Parts list for 214 & 410 bearings)	*
4	DG82	Nut, heavy, hex. slotted, 2" UNC	*
5	DG89	Washer, shim, 1/4"	*
6	DG88	Washer, shim, 1/2"	*
7	DG78	5-1/2" O.D. x 2" I.D. head washer	*
8	DGA10563	Spool, 10-1/2" spacing, short half, 1-3/8" long (convex side) w/6" washer	*
	DGA10572	Spool, 12" spacing - short half, 2-7/8" long (convex side) w/6" washer	*
9	DGA103	Spool, 10-1/2" & 12" spacing - long half, 4-3/16" long (concave side)	*
10	DGA100	Spool, 9" spacing - full spool w/6" dia. washer on one end	*
	DGA101	Spool, 10-1/2" spacing - full spool w/6" dia. washer both ends	*
	DGA111	Spool, 12" spacing - full spool w/6" dia. washer both ends	*
11		<u>GANG BOLT FOR 10-1/2" SPACING</u>	
	DGA109	4 blade gang bolt - 38" long	*
	DGA75	5 blade gang bolt - 48-1/2" long	*
	DGA76	6 blade gang bolt - 60" long	*
	DGA79	9 blade gang bolt - 92" long	*
	DGA80	10 blade gang bolt - 103" long	*
	DGA81	11 blade gang bolt - 113-3/4" long	*
	DGA82	12 blade gang bolt - 124-3/4" long	*
	DGA83	13 blade gang bolt - 135-1/2" long	*
		<u>GANG BOLT FOR 12" SPACING</u>	
	DGA114	4 blade gang bolt - 43-1/4" long	*
	DGA115	6 blade gang bolt - 67-3/4" long	*
	DGA79	8 blade gang bolt - 92" long	*

Ref. No.	Part No.	Description	Qty. Req'd
		<u>12" SPACING GANG BOLT CONTINUED</u>	
	DGA118	9 blade gang bolt - 104-3/4" long	*
	DGA78	10 blade gang bolt - 117" long	*
	DGA120	11 blade gang bolt - 129" long	*
12	DGA35	Wrench, socket	*
13	DG9910	Rings, external snap (Philip French Sales #D1400-75)	*
14	DG9902	Cap, bearing housing	*
15	DG9905	Seals, T2-215 bearing	*
16	DG9906	5" Sleeve	*
17	DG9904	Ball bearing (#6215)	*
18	DG9911	Ring, internal snap (Philip French Sales)	*
19	DG9912	Set screw - 1/4 N.C. x 1/2" long	*
20	DG9900	Housing c/w bearings, seals, sleeve, snap ring, & cap (T2-215 series)	*
	DG9901	Housing ONLY, (T2-215 series)	*
21	DGA10566	Hanger, bearing, front R.H., rear L.H. trunion mounted	*
	DGA10567	Hanger, bearing, front L.H., rear R.H. trunion mounted	*
22	DGA10568	Hanger, bearing, 2" offset, front R.H., rear L.H. trunion mounted	*
	DGA10569	Hanger, bearing, 2" offset, front L.H., rear R.H. trunion mounted	*
23	--	5/8" x 10" N.C. hex. bolt	*
24	DG5314	7/8" x 6-3/8" U-bolt - (used with 6" x 4-1/2" gang beams)	*
	DG5379	7/8" x 5-7/8" U-bolt - (used with 6" x 4" gang beams)	*
25	--	7/8" lockwasher	*
26	--	5/8" N.C. hex. nut	*
27	--	5/8" lockwasher	*
28	10GN1	1/4" x 28" straight grease fitting	*
29	DG10310	7/16" x 3" lock pin	*
30	DG10590	Sand guard	*

* As Required See Page 74 For Stone Flex Hanger For T2-215 Series Bearings

MODEL 3850 DISC

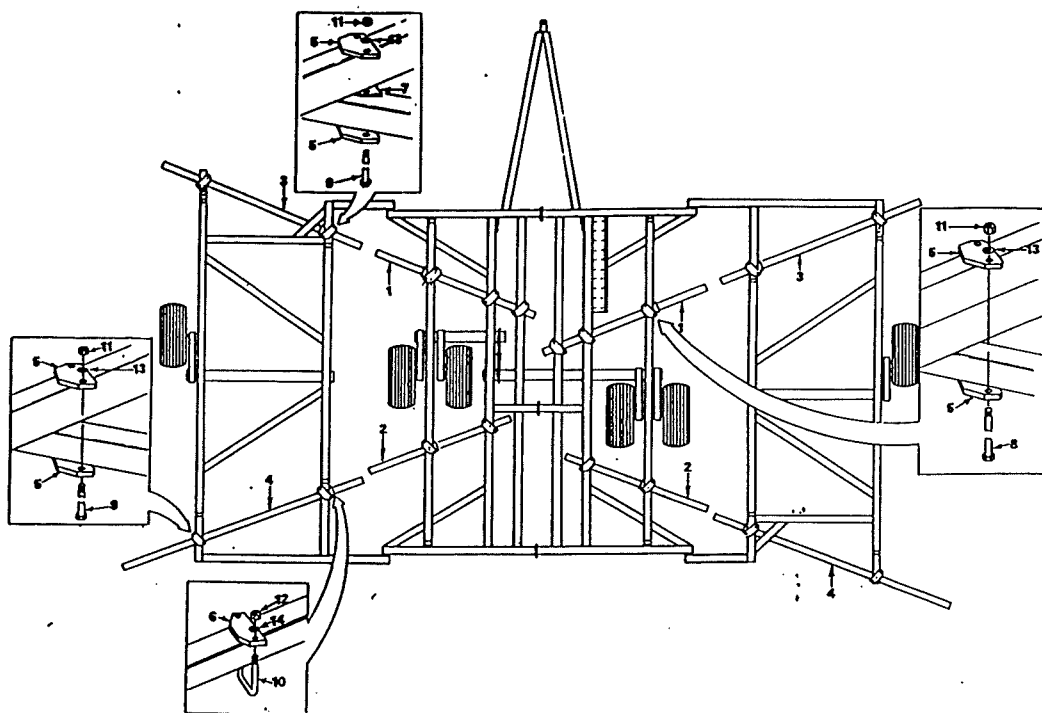


STONE FLEX HANGERS (FOR T2-215 BEARINGS)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DG9900	Housing, c/w bearings, seals, sleeve, snap rings, and cap	*
2	DGA10570	Standard mounting bracket - stone flex trunion	*
3	DGA10575	2" offset mounting bracket - stone flex trunion	*
4	DG5313	Spring shank, 1-1/4" x 2-1/2"	*
5	DG5333	Scraper bar support bracket, for standard stone flex hanger	*
	DG5336	Scraper bar support bracket, for 2" offset hanger, used on front L.H. gang or rear R.H. gang	*
	DG5337	Scraper bar support bracket, for 2" offset hanger, used on front R.H. gang or rear L.H. gang	*
6	DGA5328	Backing plate	*
7	DG5325	7/8" x 7-5/8" long U-bolt	*
8	--	5/8" x 10" N.C. hex. bolt	*
9	--	3/4" x 3-1/2" N.C. hex. bolt	*
10	--	5/8" N.C. hex. nut	*
11	--	3/4" N.C. hex. nut	*
12	--	7/8" N.C. hex. nut	*
13	--	5/8" lockwasher	*
14	--	3/4" lockwasher	*
15	--	7/8" lockwasher	*
16	--	1/4" - 28" grease fitting	*

* As Required

MODEL 3850 DISC



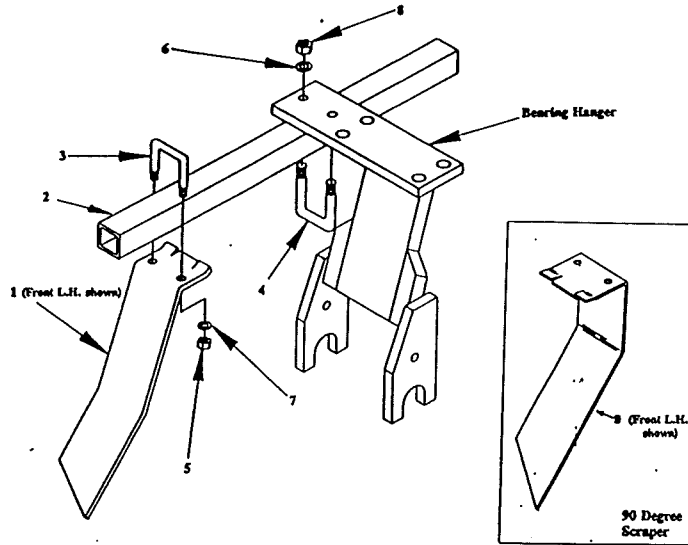
THRUST BLOCK, BEAM CLAMP PLATE & SOLID TYPE GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS125-6	125" Gang beam - front centre frame, L.H. and R.H. (for all 9" spacing models)	2
	DBS125-6	125" Gang beam - front centre frame, L.H. and R.H. (for all 10-1/2" spacing models)	2
	DBS125-6	125" Gang beam - front centre frame, L.H. and R.H. (for all 12" spacing models)	2
2	DBS92-5	92" Gang beam - rear centre frame L.H. and R.H. (for all 9" spacing models)	2
	DBS83-5	83" Gang beam - rear centre frame L.H. and R.H. (for all 10-1/2" spacing models)	2
	DBS83-5	83" Gang beam - rear centre frame L.H. and R.H. (for all 12" spacing models)	2
3	<u>FRONT GANG BEAMS FOR WING FRAMES - SOLID Type Gang Beams</u>		
	DBS86-5	86" Gang beam - 94 blade, 9" spacing disc	2
	DBS110-5	110" Gang beam - 106 blade, 9" spacing disc	2
	DBS120-5	120" Gang beam - 110 blade, 9" spacing disc	2
	DBS129-5	129" Gang beam - 114 blade, 9" spacing disc	2
	DBS92-5	92" Gang beam - 82 blade, 10-1/2" spacing disc	2
	DBS118-5	118" Gang beam - 94 blade, 10-1/2" spacing disc	2
	DBS129-5	129" Gang beam - 98 blade, 10-1/2" spacing disc	2
	DBS140-5	140" Gang beam - 102 blade, 10-1/2" spacing disc	2
	DBS83-5	83" Gang beam - 74 blade, 12" spacing disc	2
	DBS106-5	106" Gang beam - 82 blade, 12" spacing disc	2
	DBS118-5	118" Gang beam - 86 blade, 12" spacing disc	2
	DBS130-5	130" Gang beam - 90 blade, 12" spacing disc	2

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
4	<u>REAR GANG BEAMS FOR WING FRAMES - SOLID TYPE GANG BEAMS</u>		
	DBS118-5	110" Gang beam - 94 blade, 9" spacing disc	2
	DBS140-5	140" Gang beam - 106 blade, 9" spacing disc with solid gang beams	2
	DBS149-5	149" Gang beam - 110 blade, 9" spacing disc	2
	DBS158-5	158" Gang beam - 114 blade, 9" spacing disc	2
	DBS118-5	118" Gang beam - 82 blade, 10-1/2" spacing disc	2
	DBS152-5	152" Gang beam - 94 blade, 10-1/2" spacing disc with solid gang beams	2
	DBS163-5	163" Gang beam - 98 blade, 10-1/2" spacing disc	2
	DBS174-5	174" Gang beam - 102 blade, 10-1/2" spacing disc	2
	DBS118-5	118" Gang beam - 74 blade, 12" spacing disc	2
	DBS145-5	145" Gang beam - 82 blade, 12" spacing disc with solid gang beams	2
	DBS158-5	158" Gang beam - 86 blade, 12" spacing disc	2
	DBS169-5	169" Gang beam - 90 blade, 12" spacing disc	2
5	DG9709	1" x 4" - Gang beam clamp plate	36
6	DG160	Thrust block	8
7	DG9710	Front gang beam shim - used to prevent front gangs from ridging (not supplied as standard equipment)	*
8	DG5379	1-1/4" x 7-1/2" N.C. hex. bolt	28
9		7/8" x 5-7/8" U-bolt (For 6" x 4" gang beam)	8
10		1-1/4" N.C. hex. nut	36
11		7/8" N.C. hex. nut	16
12		2-1/2" O.D. x 1-9/32" I.D. x 1/4" washer	36
13		7/8" lockwasher	16

MODEL 3850 DISC

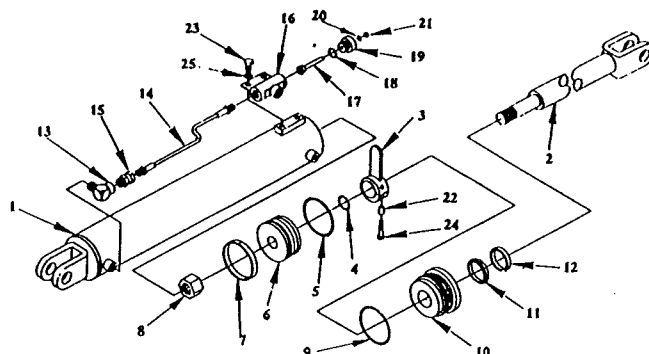


SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG5300	Scraper - rear R.H. and front L.H.	*	2	DS114	11 Blade scraper bar - 114" (for gang with all standard scrapers)	*
	DG5301	Scraper - rear L.H. and front R.H.	*		DS126	12 Blade scraper bar - 126" (for gang with all standard scrapers)	*
	DG5304	Scraper (for cone blades only) - rear R.H. and front L.H.	*		DS138	13 Blade scraper bar - 138" (for gang with all standard scrapers)	*
	DG5305	Scraper (for cone blades only) - rear L.H. and front R.H.	*		<u>SCRAPER BARS FOR 12" SPACING DISCS</u>		
	DS48	5 Blade scraper bar - 48" (for gang with all standard scrapers)	*		DS48	4 Blade scraper bar - 48" (for gang with all standard scrapers)	*
	DS42	5 Blade scraper bar - 42" (for gang with one 90 degree scraper)	*		DS42	4 Blade scraper bar - 42" (for gang with one 90 degree scraper)	*
	DS60	7 Blade scraper bar - 60" (for gang with one 90 degree scraper)	*		DS66	6 Blade scraper bar - 66" (for gang with one 90 degree scraper)	*
	DS90	10 Blade scraper bar - 90" (for gang with all standard scrapers)	*		DS96	8 Blade scraper bar - 96" (for gang with all standard scrapers)	*
	DS102	11 Blade scraper bar - 102" (for gang with all standard scrapers)	*		DS108	9 Blade scraper bar - 108" (for gang with all standard scrapers)	*
	DS96	11 Blade scraper bar - 96" (for gang with one 90 degree scraper)	*		DS120	10 Blade scraper bar - 120" (for gang with all standard scrapers)	*
	DS120	13 Blade scraper bar - 120" (for gang with all standard scrapers)	*	3	DG5308	1/2" x 2" U-bolt	*
	DS114	13 Blade scraper bar - 114" (for gang with one 90 degree scraper)	*		DG5309	5/8" x 2" U-bolt	*
	DS124	14 Blade scraper bar - 124" (for gang with one 90 degree scraper)	*		5	1/2" N.C. hex. nut	*
	<u>SCRAPER BARS FOR 10-1/2" SPACING DISCS</u>				6	5/8" N.C. hex. nut	*
	DS42	4 Blade scraper bar - 42" (for gang with all standard scrapers)	*		7	1/2" lockwasher	*
	DS48	5 Blade scraper bar - 48" (for gang with one 90 degree scraper)	*		8	5/8" lockwasher	*
	DS60	6 Blade scraper bar - 60" (for gang with one 90 degree scraper)	*	9	DG9697	Scraper - 90 degree - rear R.H. and front L.H.	*
	DS96	9 Blade scraper bar - 96" (for gang with all standard scrapers)	*		DG9698	Scraper - 90 degree - rear L.H. and front R.H.	*
	DS108	10 Blade scraper bar - 108" (for gang with all standard scrapers)	*		DG9783	Scraper - 90 degree (for cone blades only) - rear R.H. and front L.H.	*
					DG9784	Scraper - 90 degree (for cone blades only) - rear L.H. and front R.H.	*

* As Required

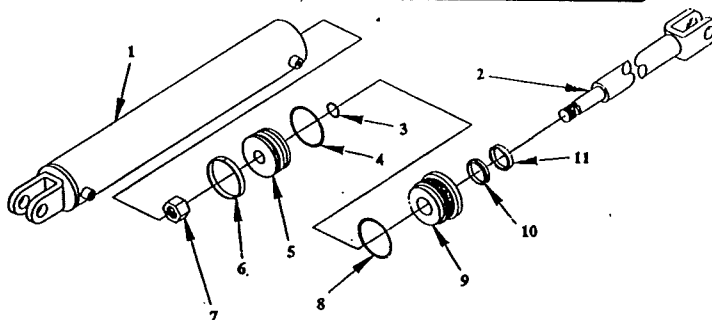
MODEL 3850 DISC



MAIN ROCKSHAFT DEPTH CONTROL CYLINDER (4" x 24" CYLINDER WITH FLOW VALVE)
(Orifice Bypass Type)

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU12	Tube assembly - 4" x 24"	1
2	10SH35	Shaft 2" x 24"	1
3	DCA9	Depth control stop c/w spacer, item 23, and bolt, item 25	1
4	100R18	1" O.D. x 7/8" I.D. O-ring	1
5	—	1/2" lockwashers	2
6	40PB8	Piston - 4" O.D. x 1" I.D. (w/spiral by-pass groove)	1
7	40PS1	4" O.D. piston ring assembly	1
8	10NU2	1" - 14 U.N.S. hex. nut	1
9	100R17	O-ring - 4" O.D. x 3/16" I.D.	1
10	40HP6	Head plate - 4" O.D. x 2" I.D.	1
11	10RS2	Rod seal - 2-3/8" O.D. x 2" I.D. x 3/8"	1
12	10WS6	Wiper seal - 2-1/2" O.D. x 2" I.D. x 3/8" - all urethane	1

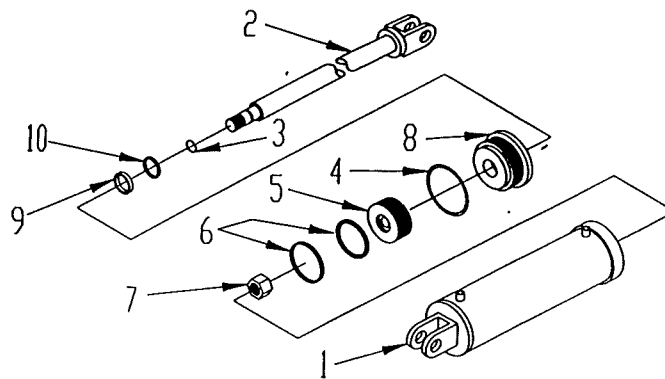
Ref. No.	Part No.	Description	Qty. Req'd
13	DL5271	1/2" x 90 degree street elbow	2
14	H22-1	1/2" x 22" hose	1
15	DC27	1/2" male-female swivel	1
16	DCA7	Depth control ass'y c/w piston, plug, two O-rings, and wiper seal	1
17	DC28	Piston - depth control valve	1
18	DC29	O-ring 1-1/16" O.D. x 7/8" I.D.	1
19	DC30	Plug	1
20	DC20	O-ring 1/2" O.D. x 3/8" I.D.	1
21	DC32	Wiper seal - 3/8" x 5/8" x 3/16"	1
22	DC33	Spacer - 9/16" O.D. x 13/32" I.D. x 11/16"	1
23		1/2" x 7/8" N.C. hex. bolt	2
24		3/8" x 1-3/4" N.C. hex. bolt	1



MODEL 3850 DISC - R.H. MAIN ROCKSHAFT CYLINDER (4" x 24" CYLINDER - NO FLOW VALVE)
(Orifice Bypass Type)

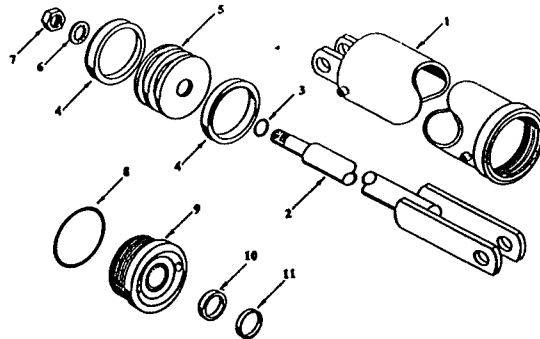
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	40TU10	Tube assembly - 4" x 24"	1
2	10SH35	Shaft - 2" x 24"	1
3	100R18	1" O.D. x 7/8" I.D. O-ring	1
4	10WS6	Wiper seal 2-1/2" O.D. x 2" I.D. x 3/8" - all urethane	1
5	40PB8	Piston - 4" O.D. x 1" I.D. (w/spiral by-pass groove)	1
6	40PS1	4" O.D. piston ring assembly	1
7	10NU2	1" - 14 U.N.S. hex. nut	1
8	100R17	O-ring 4" O.D. x 3/16"	1
9	40HP6	Head plate 4" O.D. x 2" I.D.	1
10	10RS2	Rod seal 2-3/8" O.D. x 2" I.D. x 3/8"	1

MODEL 3850 DISC



WING ROCKSHAFT CYLINDER (3-1/2" x 24" CYLINDER)
(Orifice Bypass Type)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	35TU15	Tube assembly 3-1/2" x 24"	1
2	10SH35	Shaft 2" x 24"	1
3	100R18	1" O.D. x 7/8" I.D. O-ring	1
4	10WS6	Wiper seal 2-1/2" O.D. x 2" I.D. x 3/8" all urethane	1
5	35PB8	Piston - 3-1/2" O.D. x 1" I.D. (w/spiral bypass groove)	1
6	35PS1	3-1/2" Piston ring assembly	1
7	10NU2	1" - 14 U.N.S. hex. nut	1
8	100R8	O-ring - 3-1/2" O.D. x 3/16"	1
9	35HP5	Head plate - 3-1/2" O.D. x 2" I.D.	1
10	10RS2	Rod seal 2-3/8" O.D. x 2" I.D. x 3/8"	1



WING LIFT CYLINDER PARTS LIST (5" x 36" CYLINDER)

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	50TU8	Tube assembly 5" x 36"	1
2	10SH36	Shaft 1-3/4" x 36" - w/ 1-1/4" stub	1
3	100R13	O-ring 1-1/4" O.D. x 1/8"	1
4	50CU1	U-cup 5" x 4-1/2" x 9/16"	2
5	50PB2	Piston - 5" O.D. x 1-1/4" I.D.	1
6	10WS3	Wiper seal 2-1/8" O.D. x 1-3/4" I.D. x 3/16"	1
7	10NU3	1-1/4" - U.N.S. hex. lock nut	1
8	100R14	O-ring - 5" O.D. x 1/4"	1
9	50HP1	Head plate - 5" O.D. x 1-3/4" I.D.	1
10	10RS3	Rod seal 2-1/8" O.D. x 1-3/4" I.D. x 3/8"	1

MODEL 3850 DISC

CYLINDER SEAL KIT

KIT NO.	CONTENTS			APPLICATION
5017N4	2	50CU1	5" x 4-1/2" x 9/16" wide U-cup	5" x 36" wing lift cylinders
	1	100R13	1/8" x 1-1/4" O.D. O-ring	
	1	100R14	5" O.D. x 1/4" O-ring	
	1	10RS3	Rod seal 2-1/8" O.D. x 1-3/4" I.D. x 3/8"	
	1	10WS3	Wiper seal 2-1/8" O.D. x 1-3/4" I.D. x 3/16"	
4020N4-O	1	40PS1	4" O.D. Piston ring assembly	4" x 24" Main frame rockshaft cylinder
	1	100R18	1/16" x 1" O.D. O-ring	
	1	100R17	4" O.D. x 3/16" O-ring	
	1	10RS2	Rod Seal 2-3/8" O.D. x 2" I.D. x 3/8"	
	1	10WS6	Wiper Seal 2-1/2" O.D. x 2" I.D. x 3/8"	
3520N4-O	1	35PS1	4" O.D. Piston ring assembly	3-1/2" x 24" Wing frame rockshaft cylinder
	1	100R18	1/16" x 1" O.D. O-ring	
	1	100R8	3-1/2" O.D. x 3/16" O-ring	
	1	10RS2	Rod seal 2-3/8" O.D. x 2" I.D. x 3/8"	
	1	10WS6	Wiper seal 2-1/2" O.D. x 2" I.D. x 3/8"	
DCB4	1	DC29	1-1/16" x 1" O.D. O-ring	Rockshaft cylinder with depth control valve
	1	DC20	1/16" x 1/2" O.D. O-ring	
	1	DC32	Wiper Seal 3/8" I.D.	
If piston is required, order Part No. DC28				

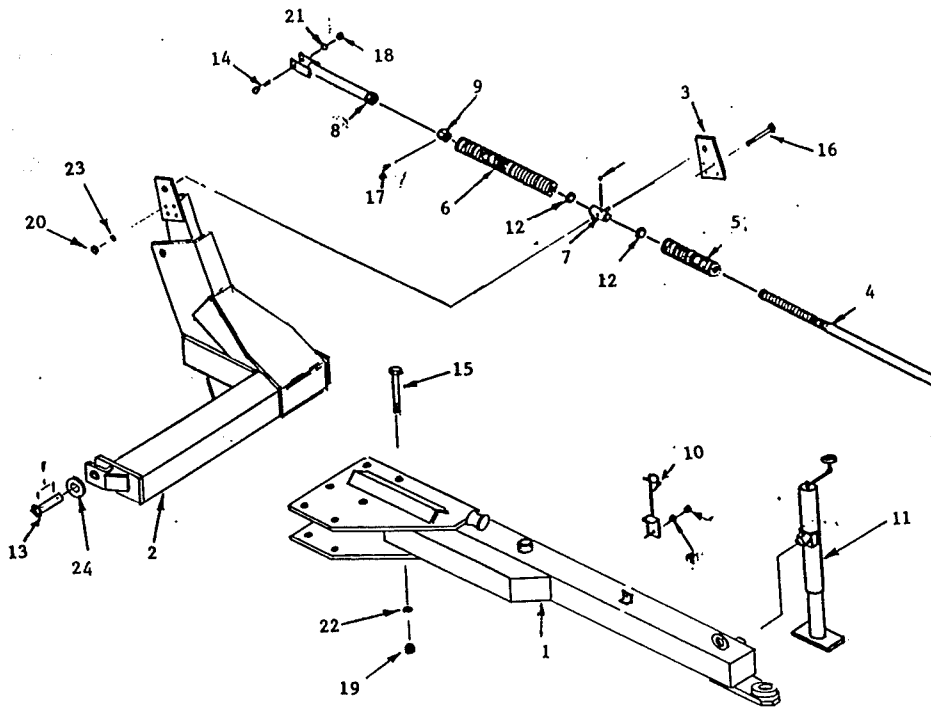
MODEL 8000 DISC

This diagram illustrates the exploded view of the Model 8000 Disc assembly. The components are labeled as follows:

- 1: Main frame or base structure.
- 2: A small rectangular component, possibly a pin or clip.
- 3: A small rectangular component, possibly a pin or clip.
- 4: A small rectangular component, possibly a pin or clip.
- 5: A triangular component, possibly a gasket or seal.
- 6: A small rectangular component, possibly a pin or clip.
- 7: A triangular component, possibly a gasket or seal.
- 8: A small rectangular component, possibly a pin or clip.
- 9: A small rectangular component, possibly a pin or clip.
- 10: A small rectangular component, possibly a pin or clip.
- 11: A small rectangular component, possibly a pin or clip.
- 12: A small rectangular component, possibly a pin or clip.
- 13: A small rectangular component, possibly a pin or clip.

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA12000	Main Frame	1
2	DC9615	11" Long Compression Spring	1
3	DFA10536	Single Spring Cushion Plate	1
4	DFA5041	Rockshaft Bearing Cap	2
5	DRS259	Rockshaft Bearing Liner Half	4
6	DF5063	Rockshaft Bearing Cap Shim	12
7	DRS260	1/4" - 28 - 45 Degree Grease Fitting	2

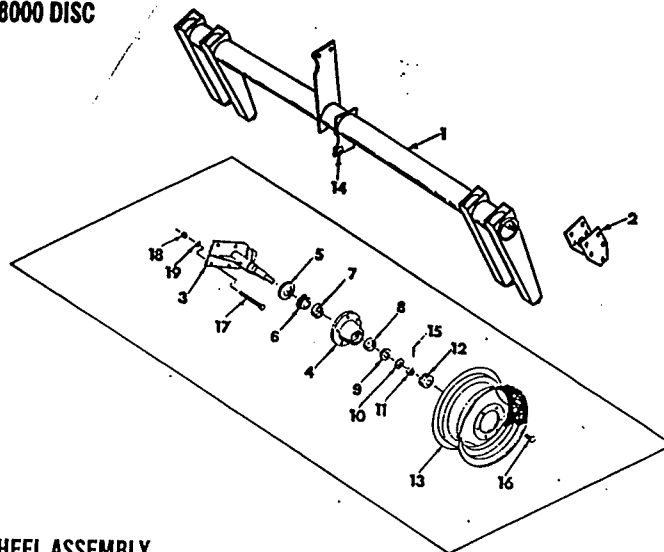
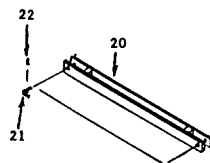
Ref. No.	Part No.	Description	Qty. Req'd
8	10GN1	1/4" - 28 - Straight Grease Fitting	2
9		1" x 14" N.C. Hex Bolt	1
10		3/4" x 2-1/2" N.C. Hex Bolt	4
11		1" N.C. Hex Nut	2
12		3/4" N.C. Hex Nut	4
13		3/4" Lockwasher	4



Ref. No.	Part No.	Description	Qty. Req'd
1	DHA12015	Hitch Tongue Assembly	1
2	DHA12016	Hitch Draw Bar	1
3	DH5146	Leveling Arm Lug	1
4	DCA9970	Crank - 50" Long	1
F	DC9615	11" Spring	1
	DC9618	22" Spring	1
	DCA5184	Bearing Tube - Leveling Link	1
6	DCA8577	Leveling Link	1
9	DH5	2" H.C. Heavy Hex Nut - Drilled For Set Screw	1
10	DHAS161	Hose Support	1
11	DHBS170	Hitch Jack (Optional)	1
12	DC15	Thrust Block - Timken #T199	2

Ref. No.	Part No.	Description	Qty. Req'd
13	DHA12017	1-1/4" x 4-1/2" Hitch Pins	2
14	DRS215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
15		1" x 6-1/2" N.C. Hex Bolt	6
16		1/2" x 5" N.C. Hex Bolt	4
17		1/2" x 1" N.C. Square Head Set Screw	1
18		1-1/4" N.C. Hex Nut	1
19		1" N.C. Hex Nut	6
20		1/2" N.C. Hex Nut	4
21		1-1/4" Lockwasher	1
22		1" Lockwasher	6
23		1/2" Lockwasher	4
24		2" O.D. x 1-9/32" I.D. x 1/4" Washer	2

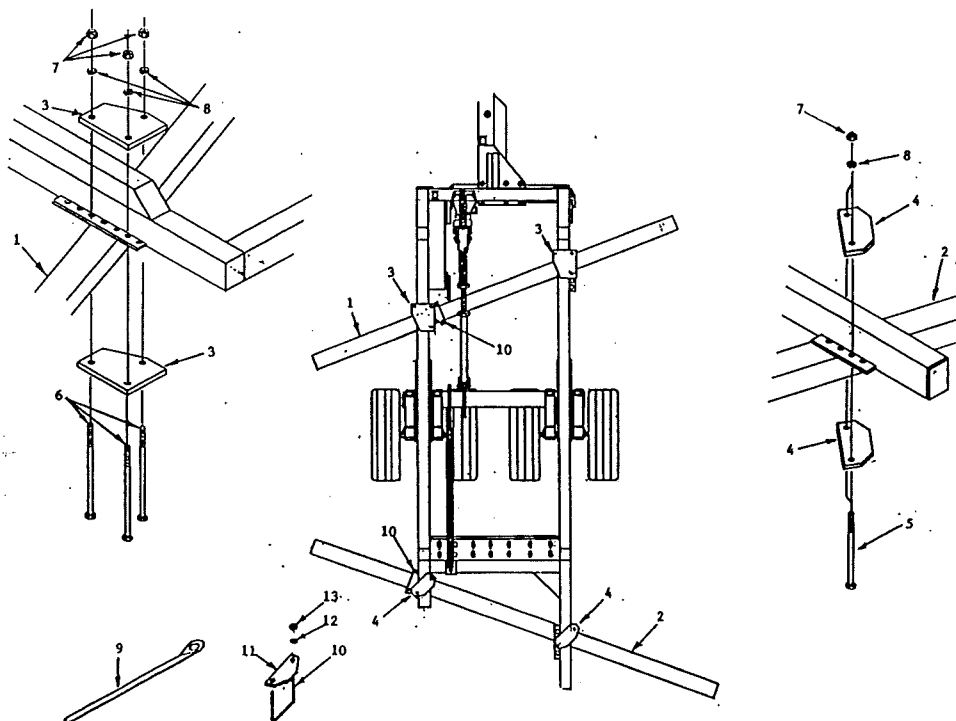
MODEL 8000 DISC



ROCKSHAFT & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA12035	Rockshaft	1
2	DRA9645	Wheel Leg Spacer - 7-1/2" Long	2
3	DRAS237	Spindle	4
4	DRA9	Hub c/w Cups	4
5	DR122	Grease Seal - NOK #AF7879E	4
6	DR120	Inner Cone Bearing - #25580	4
7	DR118	Inner Cup - #25580	4
8	DR92	Outer Cup - #LM48510	4
9	DR91	Outer Cone Bearing - #LM48548	4
10		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
11	DR110	1" N.F. Hex Nut	4

Ref. No.	Part No.	Description	Qty. Req'd
12	DR123	Hub Cap	4
13	DR12045	15" x 8" 6 Hole Rim (11L x 15 Tire) - With Stem Protector	4
14	DRS227	1-1/4" Ball Joint (Weld-On)	1
15		5/32" x 1-1/4" Cotter Pin	4
16	DR125	9/16" x 1-1/8" N.F. Wheel Stud	24
17		5/8" x 6" N.C. Hex Bolt	20
18		5/8" N.C. Hex Nut	20
19		5/8" Lockwasher	20
20	DRA12036	Lock-Up Strap	1
21	DRAS248	Lock-Up Pin	2
22	DR125	Hair Pin	2

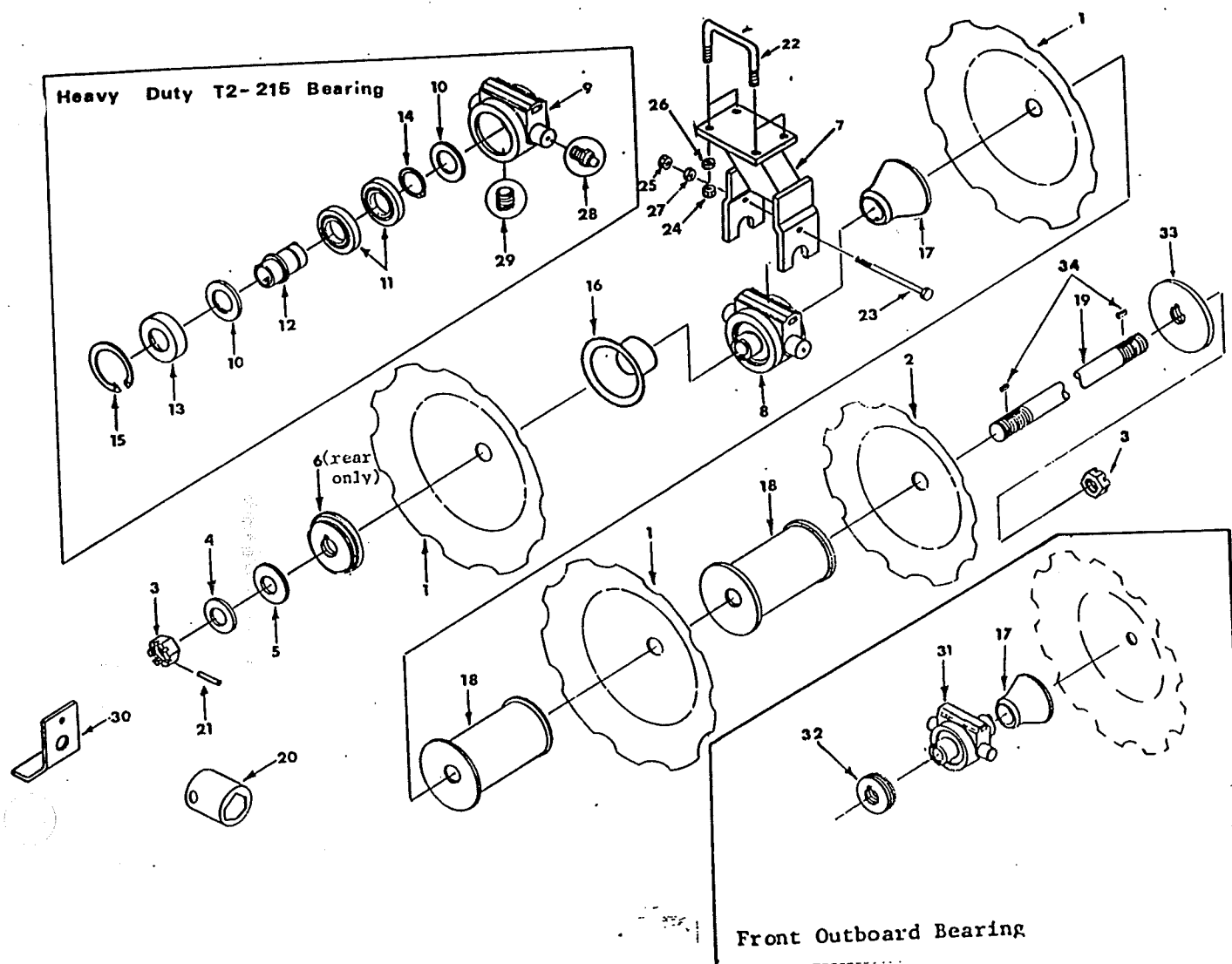


GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS150-5	Front Gang Beam - 150" Long	1
2	DBS165-5	Rear Gang Beam - 165" Long	1
3	DG12050	3 Hole Gang Beam Clamp	4
4	DG167	2 Hole Gang Beam Clamp	4
5		1-1/4" x 14" N.C. Hex Bolt	4
6		1-1/4" x 18-1/2" N.C. Hex Bolt	6
7		1-1/4" N.C. Hex Nut	10

Ref. No.	Part No.	Description	Qty. Req'd
8		2" O.D. x 1-5/16" I.D. x 1/4" Flatwasher	10
9	DGA5348	Wrench For 1-1/4" Bolts	1
10	DG160	Thrust Block	2
11	DGS314	7/8" x 6-3/8" Long U-Bolt	2
12		7/8" Lockwasher	4
13		7/8" N.C. Hex Nut	4

MODEL 8000 DISC

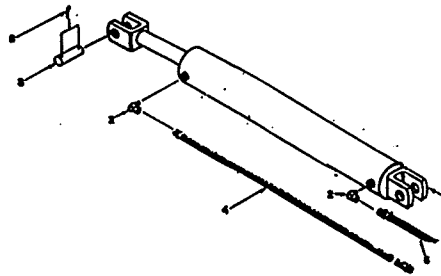


DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd	Ref. No.	Part No.	Description	Qty. Req'd
1	DG20118	32" x 12.7 mm (1/2") Notched Disc Blade	*	19	DGA141	7 Blade Gang Bolt - 80-3/4" long (12" Spacing)	*
2	DS20051	28" x 10 mm (.393") Notched Disc Blade - Rear Outtrigger	*		DGA142	8 Blade Gang Bolt - 82-3/4" long (12" Spacing)	*
3	DG82	2" N.C. Heavy Hex Slotted Nut	4		DGA143	9 Blade Gang Bolt - 105-1/2" long (12" Spacing)	*
4	DG89	1/4" Shim Washer	*		DGA144	10 Blade Gang Bolt - 117-3/4" long (12" Spacing)	*
5	DG88	1/2" Shim Washer	*		DGA187	10 Blade Gang Bolt w/Outboard Bearing - 149-5/8" Long	*
6	DGA12051	Head Washer - Rear Gang - 7" O.D. x 2" O.D. c/w Keyway - Machined	*		DGA188	11 Blade Gang Bolt - 154" Long	*
7	DGA10580	Standard Trunion Mounted Bearing Hanger (14" Spacing)	*	20	DGA35	Socket Wrench	1
	DGA10582	Offset Trunion Mounted bearing hanger (12" Spacing)	*	21	DG10310	7/16" x 3" Lock Pin	4
8	DGB9900	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w bearings, seals, 5" Sleeve, snap rings and cap - for 12" Spacing	*	22	DG5314	U-Bolt - 7/8" x 6-3/8" Long	*
	DGB9915	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, 9" Sleeve, Snap Rings and Cap - For 14" Spacing	*	23		5/8" x 10" N.C. Hex Bolt	*
9	DG9901	Heavy Duty Industrial Type T2-215 Bearing Housing	*	24		7/8" N.C. Hex Nut	*
10	DG9905	T2-215 Bearing Seal	*	25		5/8" N.C. Hex Nut	*
11	DG9904	#6215 Ball Bearing Notched For Lubrication	*	26		7/8" Lockwasher	*
12	DG9906	5" Sleeve - for 12" Spacing	*	27		5/8" Lockwasher	*
	DG9922	9" Steel Sleeve w/Drive Lugs	*	28	10GN1	1/4" - 28 Grease Fitting	*
	DG9931	7-1/2" Steel Sleeve w/Drive Lugs	*	29	DG9912	Set Screw	*
13	DG9902	Bearing Housing Cap	*	30	DG10590	Sand Guard	*
14	DG9911	Internal Snap Ring (Phillip French Sales #D1400-75)	*	31	DGB9937	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, 7-1/2" Sleeve, Snap Ring and Cap - For 14" Spacing - Outboard Bearing Assembly	*
15	DG9910	External Snap Ring (Phillip French Sales #D1300-130)	*			4" O.D. x 1-3/4" End Plate w/Keyway and Drive Slots (Front Gang)	2
	DGA10562	Short Half Spool - 8-1/2" O.D. Washer 2-1/8" long - 12" Spacing	*	32	DGA10588	8-1/2" O.D. x 2-1/8" End Plate c/w Keyway	4
	DG9913	Short Half Spool - 8-1/2" O.D. (Press-On Type) - 14" Spacing	*	34	DG10597	1/2" Square x 1-3/4" Key	4
	DGA10564	Long Half Spool - 7" O.D. Washer 4-15/16" long - 12" Spacing	*				
	DG9914	Long Half Spool - 7" O.D. (Press-On Type) - 14" Spacing	*				
18	DGA10560	14" Spacing Full Spool - 8-1/2" Diameter Washer One End - 14" Spacing - Gang Bolts	*				
	DGA10561	12" Spacing Full Spool - 8-1/2" Diameter Washer One End	*				

* As Required

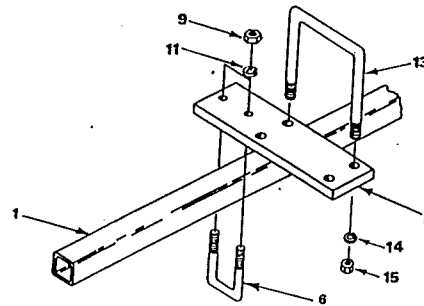
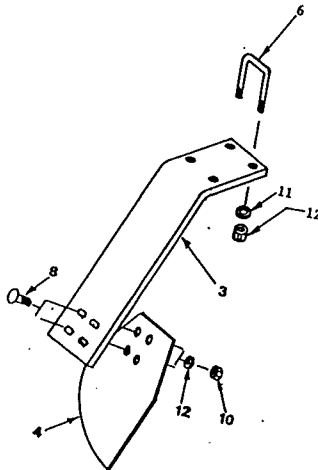
MODEL 8000



HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	241	4" x 24" Rockshaft Cylinder	1
2	DL9777	1/2" Street Elbow (Steel)	2
3	DRS252	Cylinder Pin	2

Ref. No.	Part No.	Description	Qty. Req'd
4	H216-1	1/2" x 216" Hose	1
5		1/4" x 1-1/2" Cotter Pin	4
6	H190-1	1/2" x 190" Hose	1

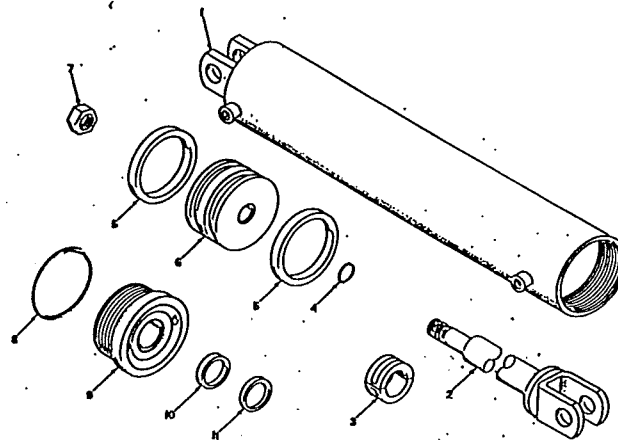


SCRAPER ASSEMBLY - 14" SPACING

Ref. No.	Part No.	Description	Qty. Req'd
1	DS150	SCRAPER BARS FOR 14" SPACING	*
	DS165	10 Blade Scraper Bar - 150" Front Gang	*
	DS165	11 Blade Scraper Bar - 165" Rear Gang	*
3	DG10594	Scraper Support - 14" Spacing	*
4	DG10595	Pan Type Scraper - 14" Spacing	*
5	DG10596	Scraper Bar Support Plate - 14" Spacing	*
6	DG5309	5/8" x 2" U-Bolt	*

Ref. No.	Part No.	Description	Qty. Req'd
8		1/2" x 1-1/2" Carriage Bolt	*
9		5/8" N.C. Hex Nut	*
11		5/8" Lockwasher	*
13	DG5314	7/8" x 6-3/8" Long U-Bolt	*
14		7/8" Lockwasher	*
15		7/8" N.C. Hex Nut	*

* As Required



ROCKSHAFT CYLINDER - N4 TYPE

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU9	Tube Assembly - 4" x 24"	1
2	10SH46	Shaft - 1-3/4" x 24"	1
3	CRS0711	Depth Control Stop Ring - 1" Long	*
	CRS0712	Depth Control Stop Ring - 1-1/2" Long	*
	CRS0713	Depth Control Stop Ring - 1-3/4" Long	*
	CRS0714	Depth Control Stop Ring - 2" Long	*
	CRS0715	Depth Control Stop Ring - 2-1/4" Long	*
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1

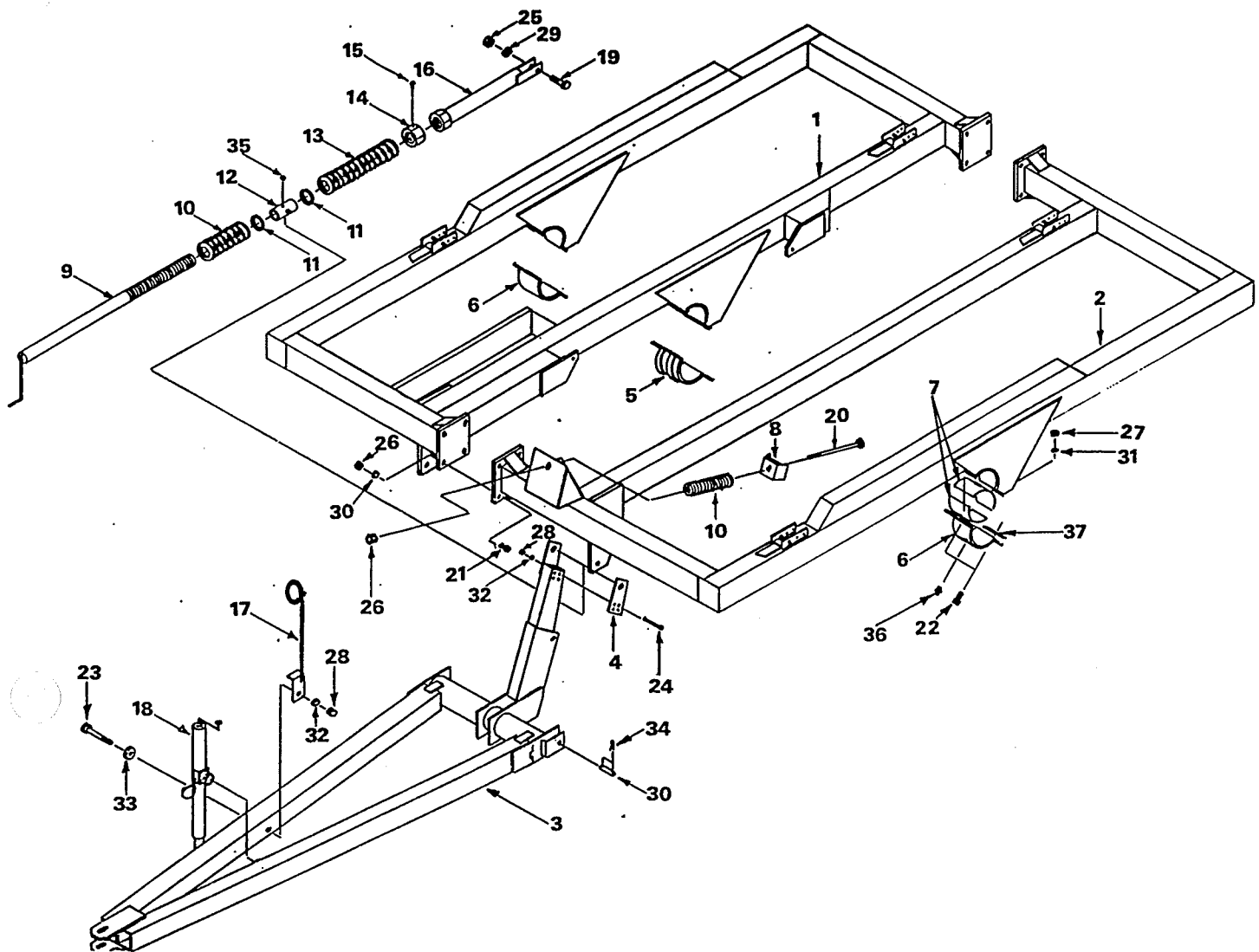
Ref. No.	Part No.	Description	Qty. Req'd
5	40CU3	3-1/2" x 4" x 3/8" U-Cup	2
6	40PB5	4" O.D. x 2-1/2" Piston	1
7	10NU4	1" Locknut	1
8	10OR17	3/16" x 4" O.D. O-Ring	1
9	40HP4	4" O.D. x 1-1/2" I.D. Head Plate	1
10	10RS3	1-3/4" x 2-1/8" x 3/8" Rod Seal	1
11	10WS3	1-3/4" x 2-1/8" x 3/16" Wiper Seal	1

* As Required

MODEL 8000 DISC**CYLINDER SEAL KITS**

Kit No.	Contents		Application
4017N4	2	40CU#	4" x 24" Rockshaft Cylinder
	1	100R13	
	1	100R17	
	1	10RS3	
	1	10WS3	
		1/8" x 1-1/4" O.D. O-Ring	
		3/16" x 4" O.D. O-Ring	
		Rod Seal - 1-3/4" I.D.	
		Wiper Seal - 1-3/4" I.D.	

MODEL 8100 OFFSET TANDEM DISC

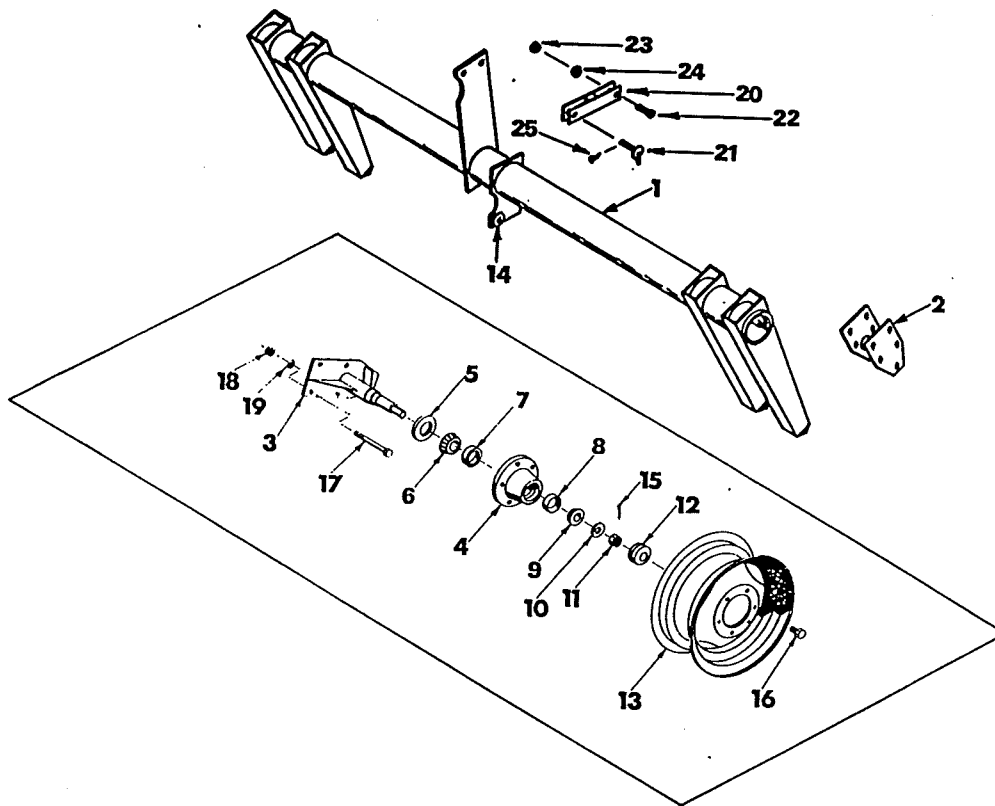


FRAME, HITCH & LEVELLING CRANK

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB10500	R.H. Half Of Frame, c/w Two Rockshaft Bearing Caps (Ref. #5, 6) Gang Angle Adjustment Plates w/Pins, & Hair Pin Cotter. Bolt & Nut and Lockwashers (Ref. 22, 27, 31)	1
2	DFB10521	L.H. Half Of Frame c/w One Rockshaft Bearing Cap (Ref. #6) Gang Angle Adjustment Plates, c/w Pins and Hair Pin Cotters. Bolt Nuts and Lockwashers (Ref. #22, 27, 31), Floating Hitch Spring (Ref. 10), Spring Cushion Plate (Ref. #8) and 1" x 14" Bolt (Ref. 20) c/w Nuts and Lockwashers (Ref. #26)	1
3	DHB10127	Hitch c/w Levelling Arm Lug (Ref. #4) Two Hitch Pins (Ref. #30), Cotter Pins (Ref. #34), Bolts, Nuts, and Lockwashers (Ref. #23, 24, 28, 32, 33)	1
4	DH5146	Levelling Arm Lug	1
5	DFA5080	Reinforced Rockshaft Bearing Caps	1
6	DFA5041	Rockshaft Bearing Cap	1
7	DF5259	Rockshaft Bearing Liners	6
	DFA10536	Spring Cushion Plate	1
	DCA9970	Levelling Crank - 50"	1
	DC9615	Compression Spring - 10-7/8"	2
	DC15	Thrust Bearing (Timken #T1199)	2
	DCA5184	Bearing Tube - Levelling Crank	1
	DC9618	Compression Spring - 21-3/8"	1
	DH5	2" N.C. Heavy Hex Nut - Drilled For Set Screw	1
		1/2" x 1" N.C. Square Head Set Screw	1

Ref. No.	Part No.	Description	Qty. Req'd
16	DCA7446	Levelling Link	1
17	DHA5161	Hose Support	1
18	DHB5170	Hitch Jack (Optional)	1
19	DR5215	1-1/4" x 4-1/4" Hex Bolt (Special)	1
20		1" x 14" N.C. Hex Bolt	1
21		1" x 3-1/4" N.C. Hex Bolt	8
22		3/4" x 2-1/2" N.C. Hex Bolt	6
23		1/2" x 5-1/2" N.C. Hex Bolt	1
24		1/2" x 5" N.C. Hex Bolt	4
25		1-1/4" N.C. Hex Nut	1
26		1" N.C. Hex Nut	10
27		3/4" N.C. Hex Nut	6
28		1/2" N.C. Hex Nut	5
29		1-1/4" Lockwasher	1
30	DH8562	1-1/4" x 4-1/2" Hitch Pin	2
31		3/4" Lockwashers	6
32		1/2" Lockwashers	5
33		1-3/4" O.D. x 9/16" I.D. Flatwasher	1
34		1/4" x 2" Cotter Pin	4
35	10GN1	1/4" - 28 Grease Fitting	1
36	DR5260	1/4" - 28 - 45 Degree Grease Fitting - Top of Rockshaft Bearing	4
	10GN1	1/4" - 28 Straight Grease Fitting - Bottom Of Rockshaft Bearing	4
37	DF5063	Rockshaft Bearing Cap Shim	18

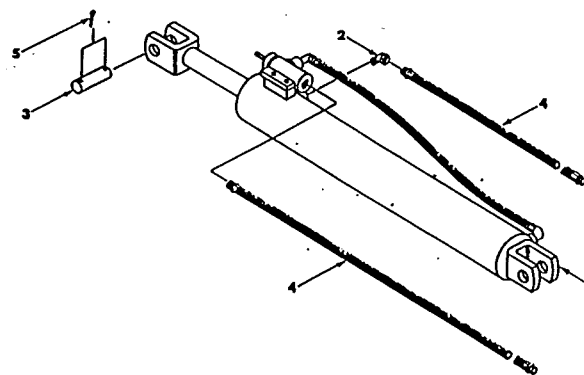
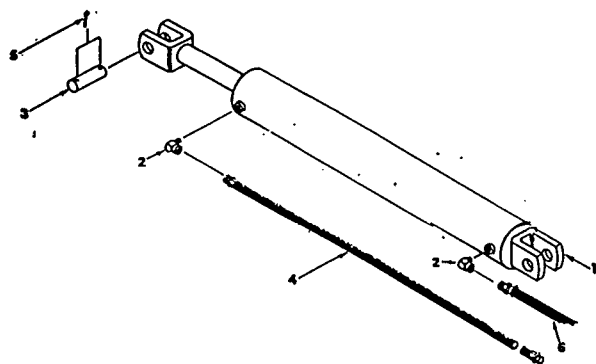
MODEL 8100 OFFSET TANDEM DISC



ROCKSHAFT & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA10550	Rockshaft	1
2	DRA9645	Wheel Leg Spacer - 7-1/2" Long	2
3	DRA5237	Spindle	4
4	DRA9	Hub c/w Cups	4
5	DR122	Grease Seal - NOK #AF7879E	4
6	DR120	Inner Cone Bearing - #25580	4
7	DR118	Inner Cup - #25520	4
8	DR92	Outer Cup - #LM48510	4
9	DR91	Outer Cone Bearing - #LM48548	4
10		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
11	DR110	1" N.F. Hex Nut	4
12	DR123	Hub Cap	4

Ref. No.	Part No.	Description	Qty. Req'd
13	DRS261	15" x 8" 6 Hole Rim (11L x 15 Tire)	1
14	DRS227	1-1/4" Ball Joint (Weld-On)	1
15		5/32" x 1-1/4" Cotter Pin	4
16	DR125	9/16" x 1-1/8" N.F. Wheel Stud	24
17		5/8" x 6" N.C. Hex Bolt	20
18		5/8" N.C. Hex Nut	20
19		5/8" Lockwasher	20
20	DRA5245	Lock-Up Strap	1
21	DRA5248	Lock-Up Pin	1
22		1" x 3" N.C. Hex Bolt	1
23		1" N.C. Hex Nut	1
24		1" Lockwashers	1

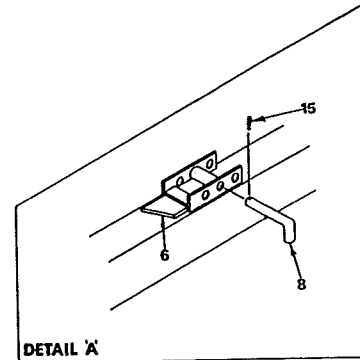
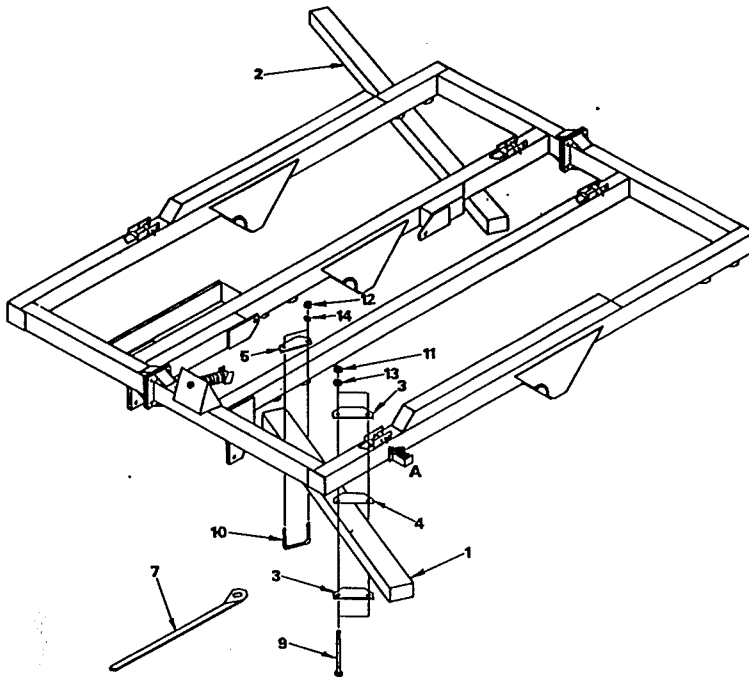


HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	241	4" x 24" Rockshaft Cylinder	1
2	DL9777	1/2" Street Elbow (Steel)	2
3	DR5252	Cylinder Pin	2

Ref. No.	Part No.	Description	Qty. Req'd
4	H216-1	1/2" x 216" Hose	1
5		1/4" x 1-1/2" Cotter Pin	4
6	H190-1	1/2" x 190" Hose	1

MODEL 8100 OFFSET TANDEM DISC

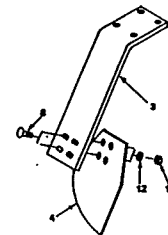
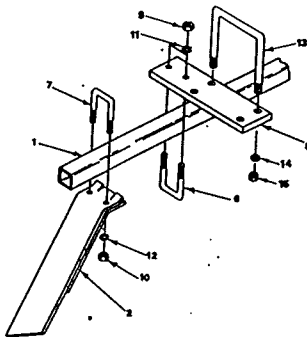


SOLID TYPE GANG BEAMS, THRUST BLOCKS & GANG BEAM CLAMPS

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS83-5	FRONT GANG BEAM FOR 12" SPACING - MODEL 8100	
	DBS98-5	83" Gang Beam - 30 Blade Disc	*
	DBS110-5	98" Gang Beam - 34 Blade Disc	*
	DBS94-5	110" Gang Beam - 38 Blade Disc	*
	DBS107-5	FRONT GANG BEAM FOR 14" SPACING - MODEL 8100	
	DBS121-5	94" Gang Beam - 26 Blade Disc	*
	DBS107-5	107" Gang Beam - 30 Blade Disc	*
	DBS121-5	121" Gang Beam - 34 Blade Disc	*
	DBS103-5	REAR GANG BEAM FOR 12" SPACING - MODEL 8100	
	DBS118-5	108" Gang Beam - 30 Blade Disc	*
	DBS130-5	118" Gang Beam - 34 Blade Disc	*
	DBS130-5	130" Gang Beam - 38 Blade Disc	*
	DBS110-5	REAR GANG BEAM FOR 14" SPACING - MODEL 8100	
	DBS122-5	110" Gang Beam - 26 Blade Disc	*
	DBS135-5	122" Gang Beam - 30 Blade Disc	*

Ref. No.	Part No.	Description	Qty. Req'd
3	DG167	Clamp Plate	*
4	DG163	Front Gang Beam Shim - Used To Prevent Front Gangs From Ridging. (Not Supplied As Standard Equipment)	*
5	DG160	Thrust Block	*
6	DFA10600	Gang Angle Adjusting Plate - Front L.H. & Rear R.H.	*
7	DFA10601	Gang Angle Adjusting Plate - Front R.H. & Rear L.H.	*
8	DGA5348	Wrench	*
9	DG7215	Gang Angle Locking Pin	*
10	DG18	1-1/4" x 14" N.C. Hex Bolt	*
11		3/4" x 6" U-Bolt	*
12		1-1/4" N.C. Hex Nut	*
13		3/4" N.C. Hex Nut	*
14		2" O.D. x 1-1/32" I.D. x 1/4" Flatwasher	*
15		3/4" Lockwasher	*
		3/16" x 1-1/4" Cotter Pin	*

* As Required



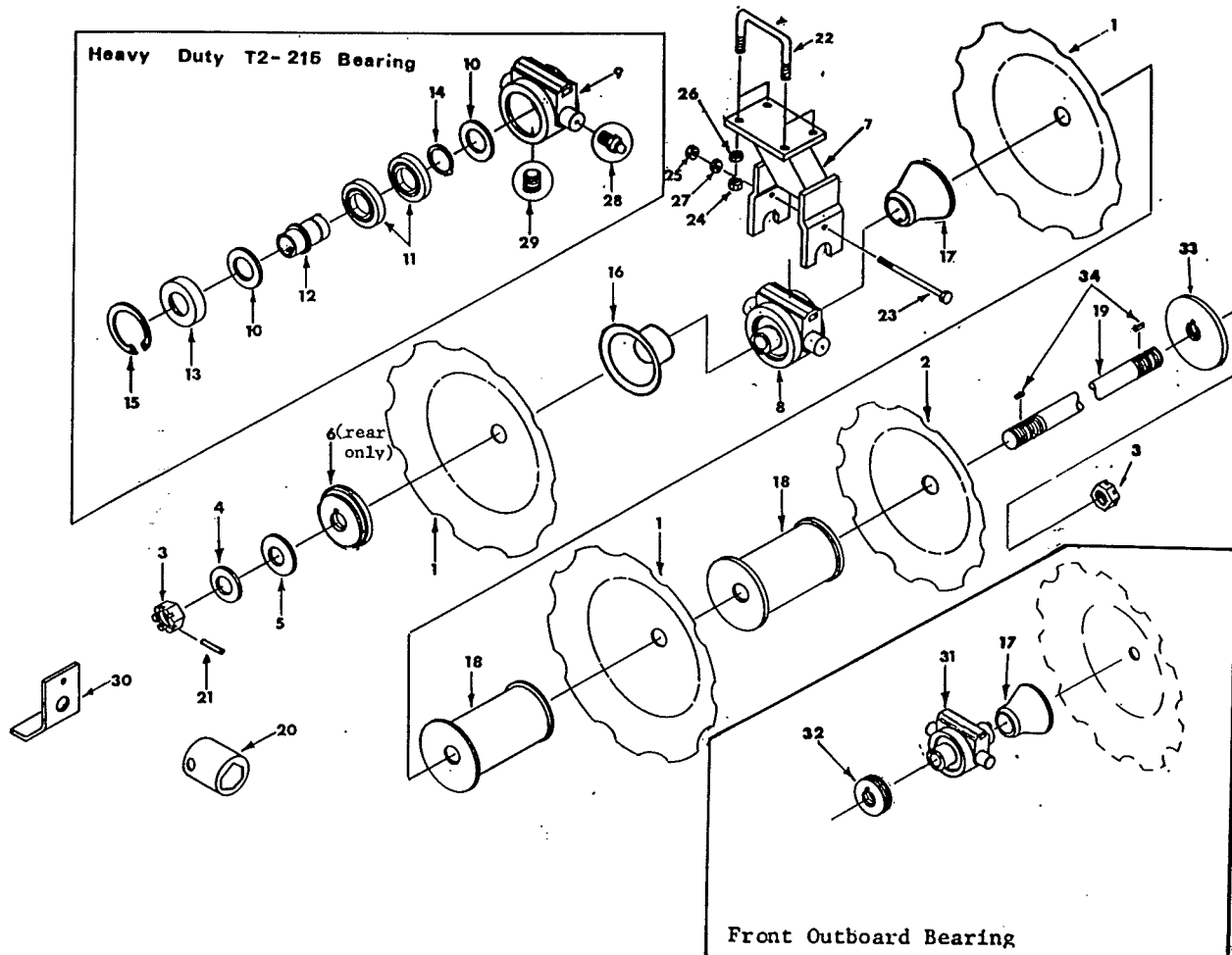
SCRAPER ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DS	SCRAPER BARS FOR 12" SPACING	
	DS	7 Blade Front Gang Scraper Bar -	*
	DS	8 Blade Front Gang Scraper Bar -	*
	DS	9 Blade Front Gang Scraper Bar -	*
	DS	8 Blade Rear Gang Scraper Bar -	*
	DS	9 Blade Rear Gang Scraper Bar -	*
	DS	10 Blade Rear Gang Scraper Bar -	*
	DS	SCRAPER BAR FOR 14" SPACING	
	DS	6 Blade Scraper Bar -	*
	DS109-2-4	7 Blade Scraper Bar - 109" (Front Only)	*
2	DS122-2-4	8 Blade Scraper Bar - 122-1/2" (Rear Only)	*
	DS	9 Blade Scraper Bar -	*
	DGA10592	L.H. Scraper - 12" Spacing	*
	DGA10593	R.H. Scraper - 12" Spacing	*

Ref. No.	Part No.	Description	Qty. Req'd
3	DG10594	Scraper Support - 14" Spacing	*
4	DG10595	Pan Type Scraper - 14" Spacing	*
5	DG235	Scraper Bar Support Plate - 12" Spacing	*
6	DG10596	Scraper Bar Support Plate - 14" Spacing	*
7	DGS309	5/8" x 2" U-Bolt	*
8	DGS308	1/2" x 2" U-Bolt	*
9		1/2" x 1-1/2" Carriage Bolt	*
10		5/8" N.C. Hex Nut	*
11		1/2" N.C. Hex Nut	*
12		5/8" Lockwasher	*
13		1/2" Lockwasher	*
14	DG18	3/4" U-Bolt	*
15		3/4" Lockwasher	*
		3/4" N.C. Hex Nut	*

* As Required

MODEL 8100 OFFSET TANDEM DISC

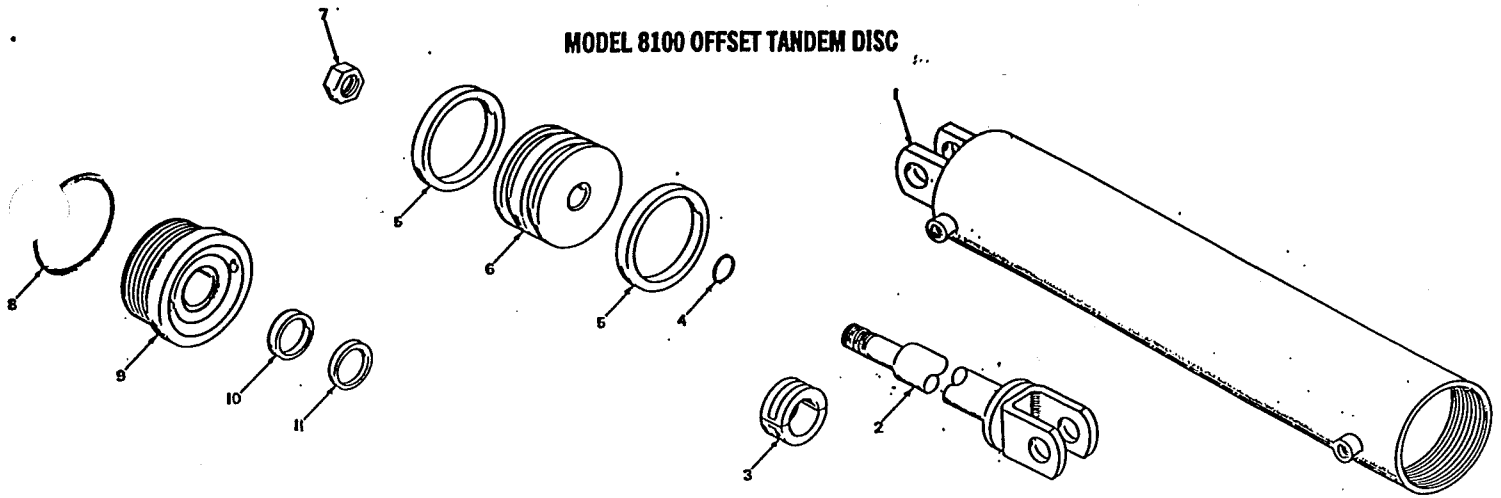


DISC GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG20051	28" x 10 mm (.393) Notched Disc Blades	*
	DG20100	32" x 10 mm (.393) Notched Disc Blades	*
2	DG138	24" x 8 mm (5/16") Notched Outrigger Blade	*
3	DG82	2" N.C. Heavy Hex Slotted Nut	4
4	DG89	1/4" Shim Washer	*
5	DG88	1/2" Shim Washer	*
6	DGA10591	Head Washer	4
7	DGA10580	Standard Trunion Mounted Bearing Hanger (14" Spacing)	*
	DGA10581	Offset Trunion Mounted Bearing Hanger (14" Spacing)	*
	DGA10582	Offset Trunion Mounted Bearing Hanger (12" Spacing)	*
8	DGB9900	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, 5" Sleeve, Snap Rings and Cap - For 12" Spacing	*
	DGB9915	Heavy Duty Industrial Type T2-215 Trunion Mounted Housing c/w Bearings, Seals, 9" Sleeve, Snap Rings and Cap - For 14" Spacing	*
9	DG9901	Heavy Duty Industrial Type T2-215 Bearing Housing	*
10	DG9905	T2-215 Bearing Seal	*
11	DG9904	#6215 Ball Bearing Notched For Lubrication	*
12	DG9906	5" Sleeve - For 12" Spacing	*
	DG9907	9" Sleeve - For 14" Spacing	*
13	DG9902	Bearing Housing Cap	*
14	DG9911	Internal Snap Ring (Philip French Sales #D1400-75)	*
15	DG9910	External Snap Ring (Philip French Sales #D1300-130)	*
16	DGA10562	Short Half Spool - 8-1/2" O.D. Washer - 2-1/8" Long - 12" Spacing	*
	DG9913	Short Half Spool - 4-1/8" Long - 14" Spacing	*
17	DGA10564	Long Half Spool - 7" O.D. Washer - 4-15/16" Long - 12" Spacing	*
	DG9914	Long Half Spool - 4-15/16" Long - 14 Spacing	*

Ref. No.	Part No.	Description	Qty. Req'd
18	DGA10560	14" Spacing Full Spool - 8-1/2" Diameter Washer One End	*
	DGA10561	12" Spacing Full Spool - 8-1/2" Diameter Washer One End	*
19		GANG BOLT FOR 12" SPACING	
	DGA141	7 Blade Gang Bolt -	*
	DGA142	8 Blade Gang Bolt -	*
	DGA143	9 Blade Gang Bolt -	*
	DGA144	10 Blade Gang Bolt -	*
		GANG BOLT FOR 14" SPACING	
	DGA210	6 Blade Gang Bolt - 92-1/8" Front Only	*
	DGA211	7 Blade Gang Bolt - 106-1/8" - Front Only	*
	DGA212	8 Blade Gang Bolt - 119-3/4" - Front Only	*
	DGA208	7 Blade Gang Bolt - 96-3/8" - Rear Only	*
	DGA213	8 Blade Gang Bolt - 110-3/8" Rear Only	*
	DGA214	9 Blade Gang Bolt - 124-3/8" Rear Only	*
	DGA35	Socket Wrench	1
20		3/8" x 3" Cotter Pin	4
21		U-Bolt - 7/8" x 6-3/8" Long	*
22	DG5314	5/8" x 10" N.C. Hex Bolt	*
23		7/8" N.C. Hex Nut	*
24		5/8" N.C. Hex Nut	*
25		7/8" Lockwasher	*
26		5/8" Lockwasher	*
27		1/4" - 28 Grease Fitting	*
28	10GN1	Set Screw	*
29	DG9912	Sand Guard (California Only)	*
30	DG10590	Heavy Duty Industrial Type T2-215 Trunion Mounted Bearing	*
31	DGB9916	#DGB9915 c/w Long Half Spool #DG9914, and Short Half Spool #DG9913	*

MODEL 8100 OFFSET TANDEM DISC

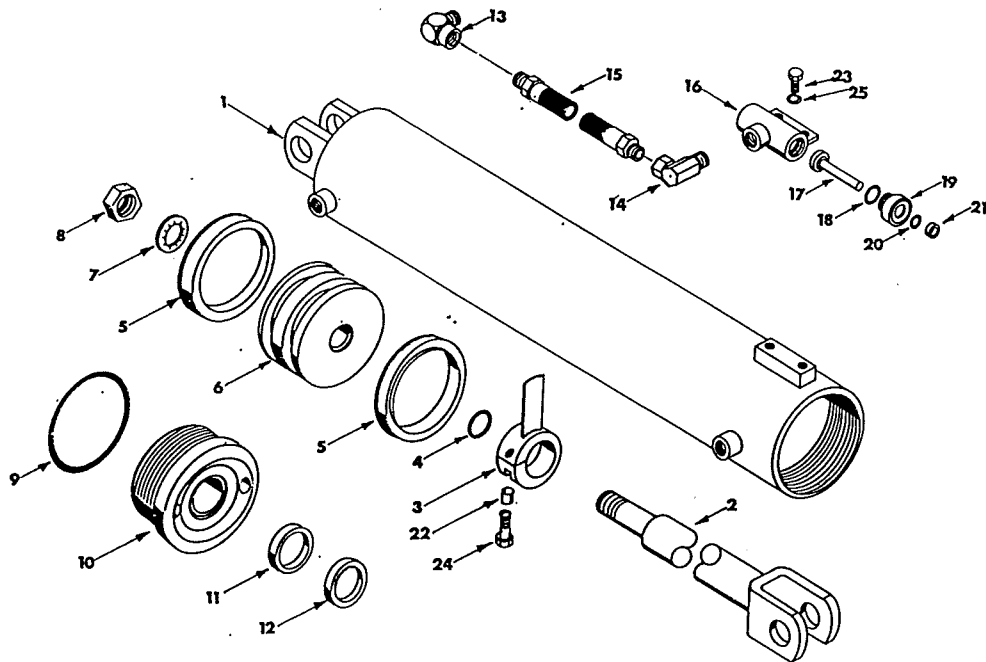


ROCKSHAFT CYLINDER - N4 TYPE (WITH MECHANICAL DEPTH CONTROL STOP)

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU9	Tube Assembly - 4" x 24"	1
2	10SH46	Shaft - 1-3/4" x 24"	1
3	CRS0711	Depth Control Stop Ring - 1" Long	*
	CRS0712	Depth Control Stop Ring - 1-1/2" Long	*
	CRS0713	Depth Control Stop Ring - 1-3/4" Long	*
	CRS0714	Depth Control Stop Ring - 2" Long	*
	CRS0715	Depth Control Stop Ring - 2-1/4" Long	*
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1

Ref. No.	Part No.	Description	Qty. Req'd
5	40CU3	3-1/2" x 4" x 3/8" U-Cup	2
6	40PB5	4" O.D. x 2-1/2" Piston	1
7	10NU4	1" Locknut	1
8	10OR17	3/16" x 4" O.D. O-Ring	1
9	40HP4	4" O.D. x 1-1/2" I.D. Head Plate	1
10	10RS3	1-3/4" x 2-1/8" x 3/8" Rod Seal	1
11	10WS3	1-3/4" x 2-1/8" x 3/16" Wiper Seal	1

* As Required



ROCKSHAFT CYLINDER - N4 - NUT TYPE (WITH HYDRAULIC DEPTH CONTROL STOP)

Ref. No.	Part No.	Description	Qty. Req'd
1	40TU5	Tube Assembly - 4" x 24"	1
2	10SH34	Shaft - 1-3/4" x 24" (Can Order Shaft #10SH26 and Pin From Model 1590-1600 Disc)	1
3	DCA6	Depth Control Stop c/w Spacer (Ref. No. 22) and Bolt (Ref. No. 24)	1
4	10OR13	1/8" x 1-1/4" O.D. O-Ring	1
	40CU3	U-Cup - 3-1/2" x 4" x 3/8"	2
	40PB5	Piston - 4" O.D. x 2-1/2" Long	1
	10SW2	Internal Star Washer - 1" I.D.	1
8	10NU2	1" - 14 UNS Hex Nut	1
9	10OR17	3/16" x 4" O.D. O-Ring	1
10	40HP4	Head Plate - 4" O.D. x 1-1/2" I.D.	1
11	10RS3	Rod Seal - 1-3/4" x 2-1/8" x 3/8"	1
12	10WS3	Wiper Seal - 1-3/4" x 2-1/8" x 3/16"	1

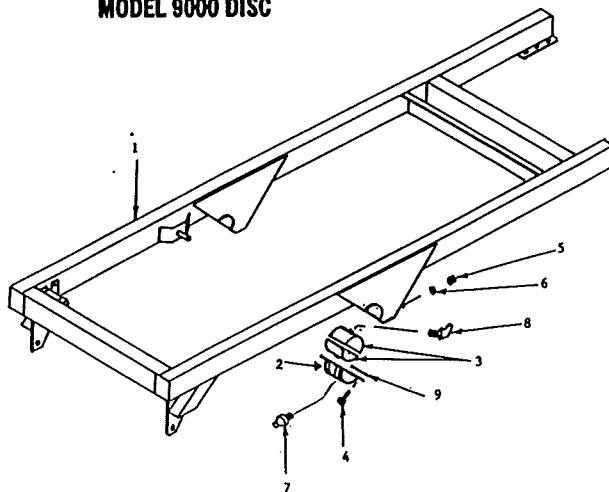
Ref. No.	Part No.	Description	Qty. Req'd
13	DL9777	1/2" x 90 Degree Street Elbow (Steel)	1
14	DL9775	1/2" x 90 Degree Swivel Elbow (Male-Female)	1
15	H26-1	1/2" x 26" Hose	1
16	DCA7	Depth Control Assembly c/w Piston, Plug, Two O-Rings, & Wiper Seal	1
17	DC28	Piston - For Depth Control Stop	1
18	DC29	7/16" x 1" O.D. O-Ring	1
19	DC30	Plug	1
20	DC20	1/16" x 1/2" O.D. O-Ring	1
21	DC32	Wiper Seal - 3/8" x 5/8" x 3/16"	1
22	DC33	Spacer - 3/8" I.D. x 11/16" Long	1
23		1/2" x 7/8" H.C. Hex Bolt	2
24		3/8" x 1-3/4" H.C. Hex Bolt	1
25		1/2" Lockwasher	2

MODEL 8100 OFFSET TANDEM DISC

CYLINDER SEAL KITS

Kit No.	Contents			Application
4017N4	2	40CU3		4" x 24" Rockshaft Cylinder
	1	100R13	1/8" x 1-1/4" O.D. O-Ring	
	1	100R17	3/16" x 4" O.D. O-Ring	
	1	10RS3	Rod Seal 1-3/4" I.D.	
	1	10WS3	Wiper Seal 1-3/4" I.D.	
DCB4	1	DC29	1/16" x 1" O.D. O-Ring	Rockshaft Cylinder Depth Control Valve
	1	DC20	1/16" x 1/2" O.D. O-Ring	
	1	DC32	Wiper Seal 3/8" I.D.	
	If Piston Is Required, Order Part No. DC28.			

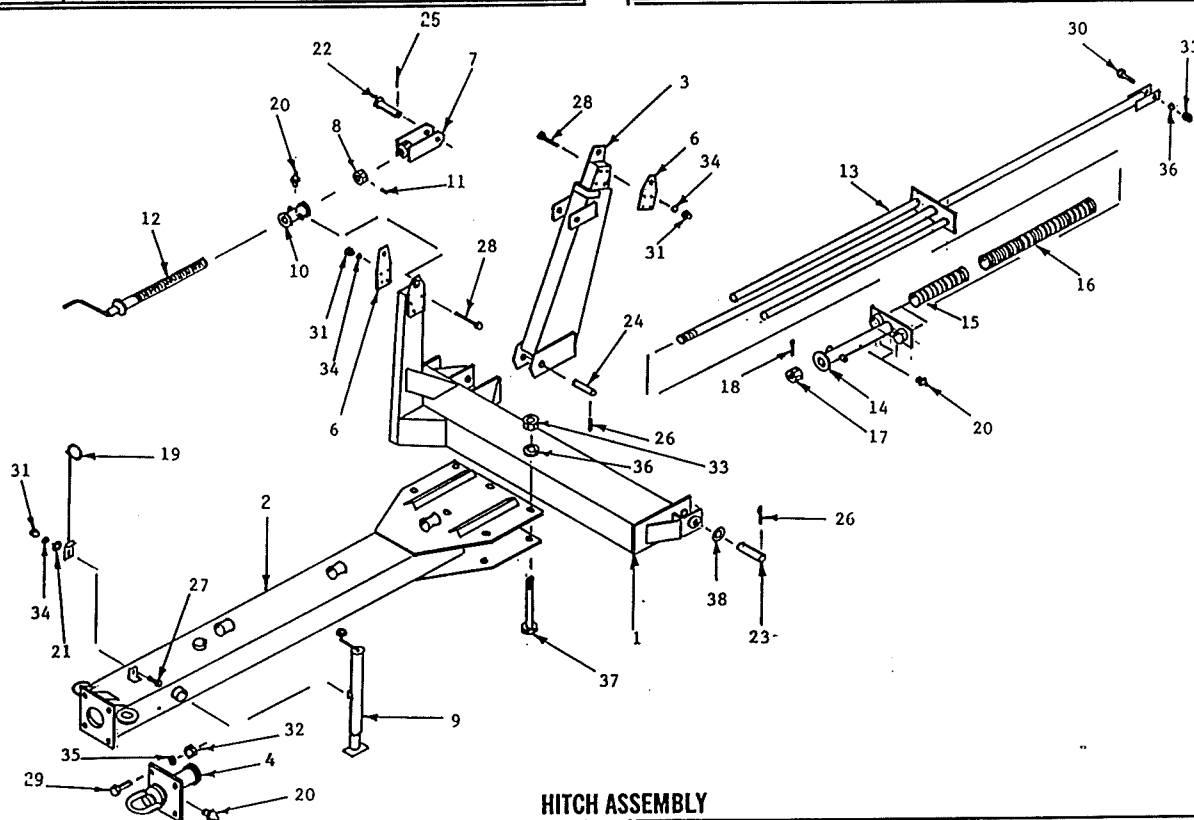
MODEL 9000 DISC



MAIN FRAME

Ref. No.	Part No.	Description	Qty. Req'd
1	D20247	Frame c/w Two Rockshaft Bearing Caps (Ref. #2)	1
2	DFA5080	Rockshaft Bearing Cap	2
3	DF5259	Rockshaft Bearing Liner	4
4		3/4" x 2-1/2" N.C. Hex Bolt	4
5		3/4" N.C. Hex Nut	4

Ref. No.	Part No.	Description	Qty. Req'd
6		3/4" Lockwasher	4
7	10GN1	1/4" - 28 Straight Grease Fitting - Bottom Of Rockshaft Bearing	2
8	DR5260	1/4" - 28 - 45 Degree Grease Fitting - Top Of Rockshaft Bearing	2
9	DF5063	Rockshaft Bearing Cap Shim	12

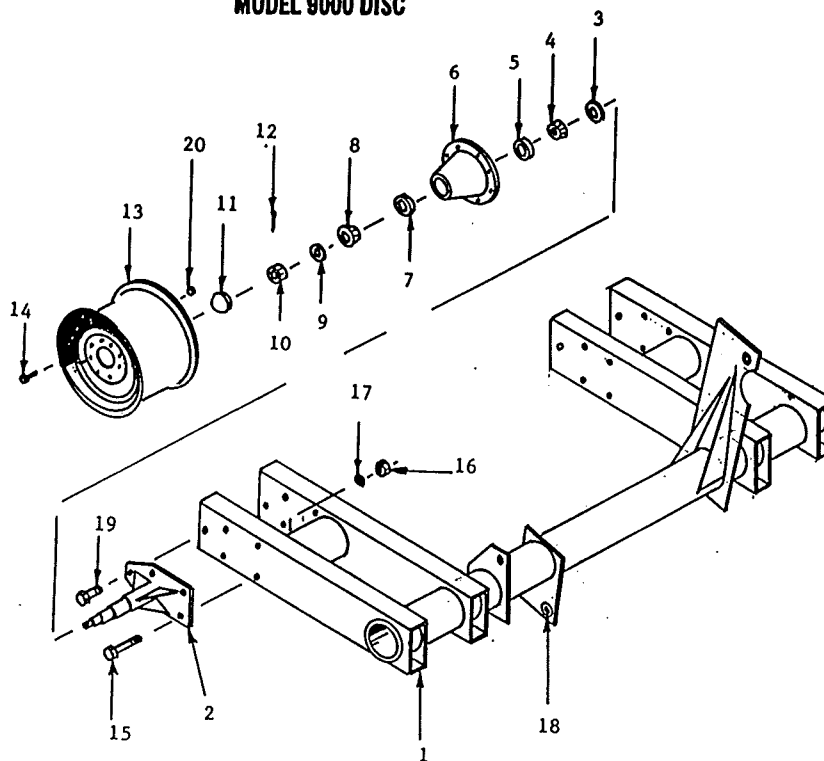


HITCH ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	D20260	Drawbar Assembly c/w Pin and Washers (Ref. #23)	1
2	D20266	Tongue Assembly c/w Bolts, Nuts, and Lockwashers (Ref. #33, 36 & 37)	1
3	D20075	Leveling Arm	1
4	D20090	Swivel Hitch	1
6	D20068	Leveling Arm Attaching Lug	1
7	D20105	Leveling Crank Clevis	1
8	DG5	2" N.C. Hex Nut	1
9	DH5170	Hitch Jack	2
10	D20107	Trunion Mounted Bearing Tube	1
11		1/2" x 1" N.C. Square Head Set Screw	1
12	D20112	Leveling Crank	1
13	D20275	Double Spring Leveling Link	1
14	D20281	Trunion Mounted Bearing Tube - Double Spring Type	1
15	DC9615	11" Spring	2
16	DC9618	21-1/2" Spring	2
17	DG82	2" N.C. Slotted Hex Nut	1
18		3/8" x 3" Cotter Pin	1
19	DH45161	Hose Support	1

Ref. No.	Part No.	Description	Qty. Req'd
20	10GN1	1/4" - 28 Grease Fitting	6
21		1-3/8" O.D. x 9/16" I.D. Flatwasher	1
22	D20084	1-1/4" x 5" Levelling Arm Pin	1
23	D20087	1-1/2" x 7" Hitch Pin	2
24	D20088	1-1/2" x 8-1/4" Levelling Arm Attaching Pin	1
25		1/4" x 2" Cotter Pin	1
26		5/16" x 2-1/4" Cotter Pin	4
27		5/8" x 1-1/2" N.C. Hex Bolt	1
28		5/8" x 5" N.C. Hex Bolt	8
29		1" x 3" N.C. Hex Bolt	4
30		1-1/4" x 4-1/4" Special N.C. Hex Bolt	1
31	DR5215	5/8" N.C. Hex Nut	9
32		1" N.C. Hex Nut	4
33		1" N.C. Hex Nut	7
34		1-1/4" N.C. Hex Nut	9
35		5/8" Lockwasher	4
36		1" Lockwasher	4
37		1-1/4" Lockwasher	7
38		1-1/4" x 9" N.C. Hex Bolt	6
		1-9/16" I.D. x 1/4" Flatwasher	4

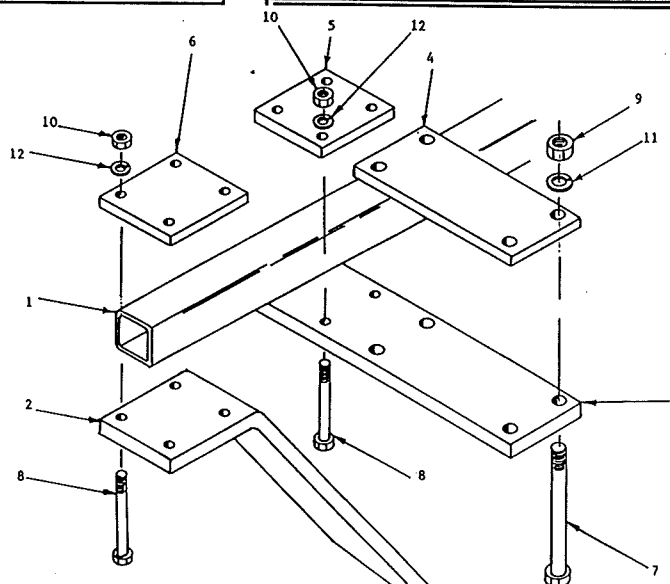
MODEL 9000 DISC



ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	D20142	Rockshaft Assembly	1
2	D20141	Spindle	4
3	DR9680	Grease Seal	4
4	DR9684	Inner Cone Bearing - #4T-3780	4
5	DR9682	Inner Cup - #4T-3720	4
6	DRA9679	Hub c/w Cups - 8 Bolt	4
7	DR9683	Outer Cup - #4T-2720	4
8	DR9685	Outer Cone Bearing - #4T-2790	4
9		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
10	DR110	1" N.F. Slotted Hex Nut	4

Ref. No.	Part No.	Description	Qty. Req'd
11		Hub Cap	4
12	DR9681	3/16" x 1-1/4" Cotter Pin	4
13	D20145	W14C x 16.1 8 Bolt Wheel c/w Stem Protector	4
14	DR9671	9/16" x 1-11/16" Long N.F. Wheel Stud	32
15		1" x 6-1/2" N.C. Hex Bolt	16
16		1" N.C. Hex Nut	20
17		1" Lockwasher	20
18	DRS227	1-1/4" Ball Joint	1
19		1" x 3-1/4" N.C. Hex Bolt	4
20	DR9670	9/16" N.F. Jam Nut	32



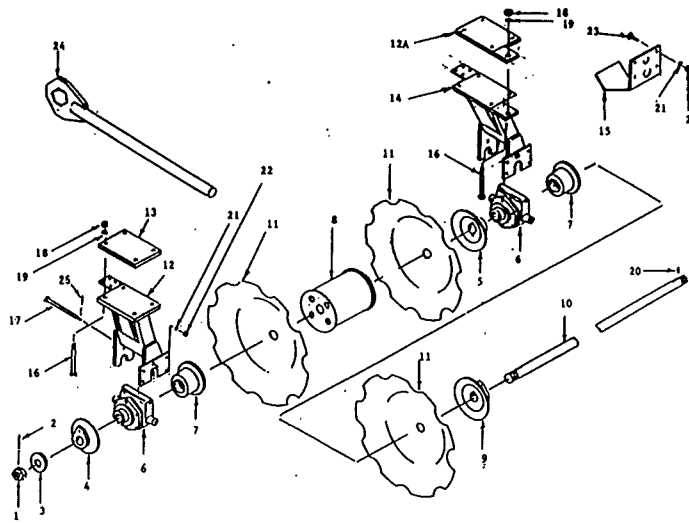
SCRAPER BAR ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	D20308	Front Scraper Bar - 171" (For Model 9000-21B 16" Spacing)	*
	D20309	Rear Scraper Bar - 193" (For Model 9000-21B 16" Spacing)	*
2	D20162	Scraper - Front	*
	D20163	Scraper - Rear	*
3	D20166	Standard Scraper Bar Attaching Plate	*
4	D20167	Standard Scraper Bar To Gang Beam Attaching Plate	*
5	D20168	Scraper Bar Backing Plate (Also Used To Fasten Scraper Bar To Bearing Hanger)	*

Ref. No.	Part No.	Description	Qty. Req'd
6	D20169	Scraper Backing Plate	*
7		1" x 9-1/2" N.C. Hex Bolt	*
8		3/4" x 6" N.C. Hex Bolt	*
9		1" N.C. Hex Nut	*
10		3/4" N.C. Hex Nut	*
11		1" Lockwasher	*
12		3/4" Lockwasher	*

* As Required

MODEL 9000 DISC

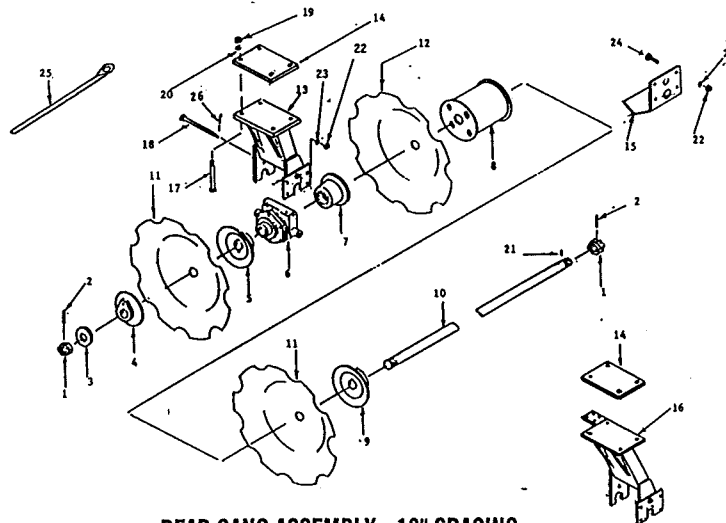


FRONT GANG ASSEMBLY - 16" SPACING

Ref. No.	Part No.	Description	Qty. Req'd
1	D20184	2-3/4" N.C. Slotted Hex Nut	*
2	D20185	1/2" x 4-1/2" Lock Pin	*
3	D20186	5" O.D. x 2-13/16" I.D. x 1/2" Shim	*
4	D20024	10" O.D. x 2-13/16" I.D. Outboard Bearing Plane	1
5	D20013	Half Spool - Convex Side (With Dimples)	*
6	D20000	Cone Roller Bearing Assembly	*
7	D20015	Half Spool - Concave Side - 16" Spacing (With Nodules)	*
8	D20016	Full Spool - 16" Spacing (With Dimples & Nodules)	*
9	D20023	End Plate - Convex Side (With Dimples)	*
10	D20218	10 Blade - 175-1/2" Gang Bolt - 16" Spacing (21" Blade)	*
11	D20117	36" x 1/2" Notched Disc Blade (With Dimples)	*
12	D20207	Front Bearing Hanger - With Hole Mount Plate & 4 Hole Scraper Bar Mount Lug	*
	D20203	5 Hole Mount Plate	*

Ref. No.	Part No.	Description	Qty. Req'd
13	D20176	4 Hole Mount Plate	*
14	D20178	Front Bearing Hanger With 4 Hole Mount Plate, 4 Hole Scraper Bar Mount Lug and Stabilizer Mount Lug	*
15	D20212	Sand Guard	*
16		1-1/4" x 10 N.C. Hex Bolt	*
17	D20213	1" x 14" N.C. Hex Bolt Drilled	*
18		1-1/4" N.C. Hex Nut	*
19		1-1/4" Lockwasher	*
20	D20201	5/8" Diameter x 1-1/4" End Plate Lock Pin	*
21		1" Lockwasher	*
22	L1574	1" N.C. Hex Slotted Nut	*
23		1" x 2-1/2" N.C. Hex Bolt	*
24	D20187	Wrench (For Gang Bolt)	1
25		3/16" x 1-1/2" Cotter Pin	*

* As Required



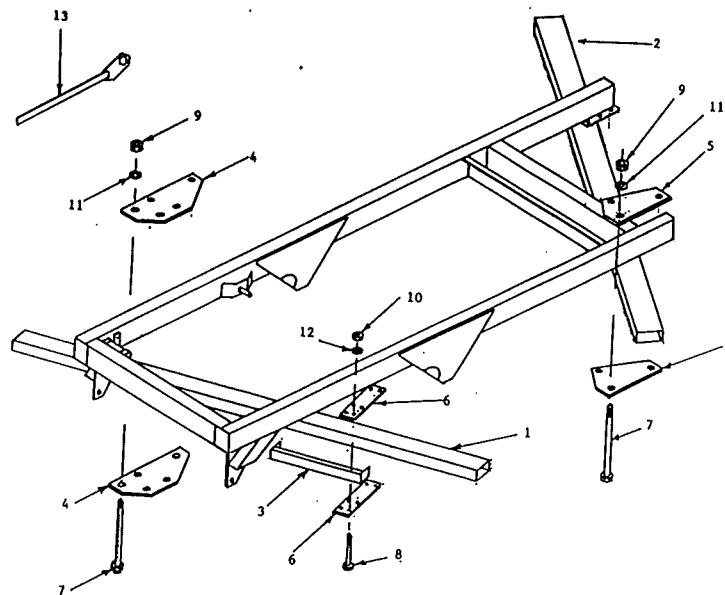
REAR GANG ASSEMBLY - 16" SPACING

Ref. No.	Part No.	Description	Qty. Req'd
1	D20184	2-3/4" N.C. Slotted Hex Nut	*
2	D20185	1/2" x 4-1/2" Lock Pin	*
3	D20186	5" O.D. x 2-13/16" I.D. x 1/2" Shim	*
4	D20197	End Plate - Concave Side (With Nodules)	1
5	D20013	Half Spool - Convex Side (With Dimples)	*
6	D20010	Cone Roller Bearing Assembly	*
7	D20015	Half Spool - Concave Side - 16" Spacing (With Nodules)	*
8	D20016	Full Spool - 16" Spacing (With Dimples & Nodules)	*
	D20023	End Plate - Convex Side (With Dimples)	*
	D20217	11 Blade - 177-3/4" Gang Bolt - 16" Spacing (21" Blade)	*
11	D20104	32" x 1/2" Notched Disc Blade - Outrigger Blade (With Dimples)	*
12	D20117	36" x 1/2" Notched Disc Blade (With Dimples)	*
13	D20205	Rear Bearing Hanger - With 4 Hole Mount Plate Only	*
14	D20176	4 Hole Mount Plate	*

Ref. No.	Part No.	Description	Qty. Req'd
14	D20176	4 Hole Mount Plate	*
15	D20212	Sand Guard	*
16	D20207	Rear Bearing Hanger - With 4 Hole Mount Plate and 4 Hole Scraper Bar Mount Lug	*
17		1-1/4" x 10 N.C. Hex Bolt	*
18	D20213	1" x 14" N.C. Hex Bolt Drilled	*
19		1-1/4" N.C. Hex Nut	*
20		1-1/4" Lockwasher	*
21		5/8" Diameter x 1-1/4" End Plate Lock Pin	*
22	L1574	1" N.C. Hex Slotted Nut	*
23		1" Lockwasher	*
24		1" x 2-1/2" N.C. Hex Bolt	*
25	DGA5348	Wrench For 1-1/4" Bolts	1

* As Required

MODEL 9000 DISC

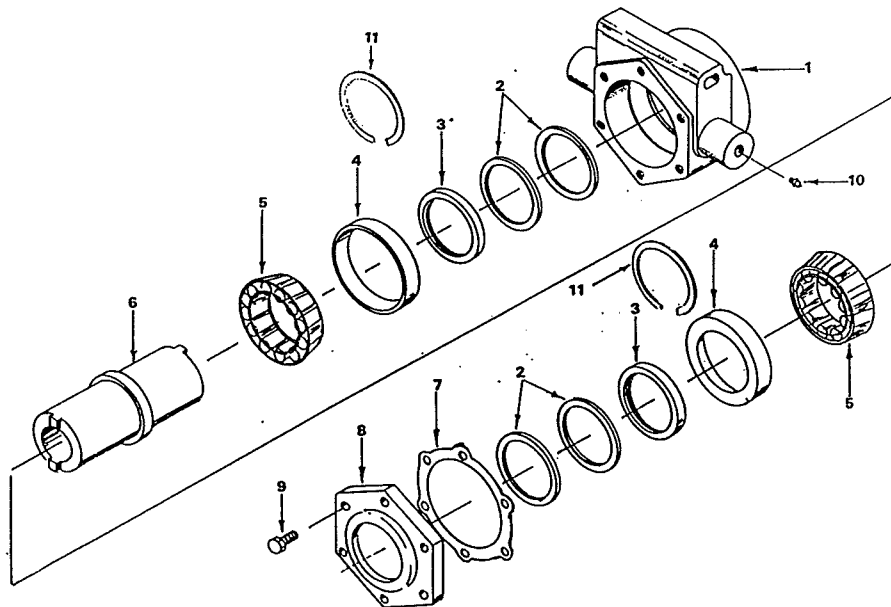


GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	D20293	Front Gang Beam 174" - (Model 9000-21B - 16" Spacing)	*
2	D20294	Rear Gang Beam 190" - (Model 9000-21B - 16" Spacing)	*
3	D20152	Gang Beam Reinforcing Beam	2
4	D20150	5 Hole Gang Beam Support Plate	4
5	D20151	3 Hole Gang Beam Support Plate	4
6	D20155	Reinforcing Beam Support Plate	12
7		1-1/2" x 20" N.C. Hex Bolt	16

Ref. No.	Part No.	Description	Qty. Req'd
8		1" x 9-1/2" N.C. Hex Bolt	*
9		1-1/2" N.C. Hex Nut	16
10		1" N.C. Hex Nut	*
11		1-9/16" I.D. x 1/4" Flatwasher	16
12		1" Lockwasher	*
13	D20188	Wrench (For 1/2" Hex Bolts)	2

* As Required

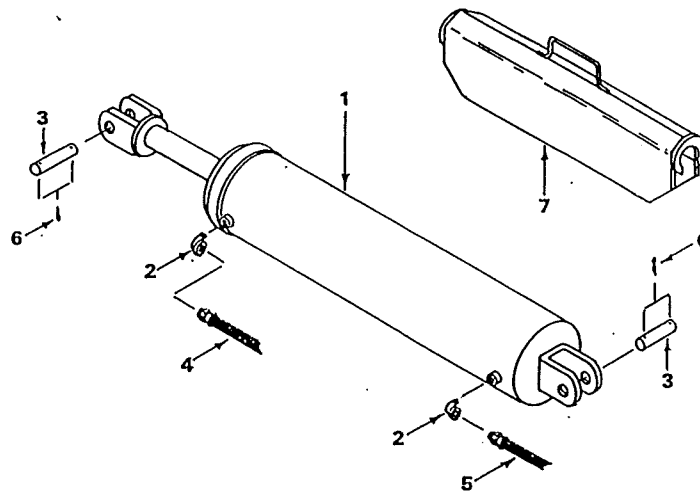


GANG BEARING

Ref. No.	Part No.	Description	Qty. Req'd
1	20001	Cone Roller Bearing Housing	1
2	20006	Cone Roller Bearing Seal (CR Industries #45025)	4
3	20005	Cone Roller Bearing Seal (CR Industries #44967)	2
4	20003	Cone Roller Bearing Race (#64700)	2
5	20004	Cone Roller Bearing (#64450)	2
6	20191	Cone Roller Bearing Sleeve	1

Ref. No.	Part No.	Description	Qty. Req'd
7	20008	Bearing Shim - 0.005"	1
	20009	Bearing Shim - 0.007"	1
	20010	Bearing Shim - 0.020"	2
8	20002	Cone Roller Bearing Housing Cap	1
9		1/2" x 1-3/4" N.C. Hex Bolt	6
10	10GN1	1/4" - 28 Grease Fitting	1
11	20199	Retainer Ring For Grease Seats	2

MODEL 9000 DISC

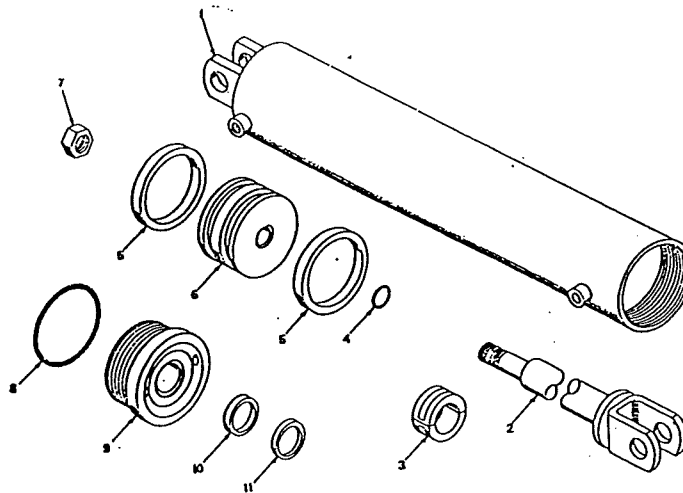


HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	268	5" x 24" Rockshaft Cylinder	*
2	DL9777	1/2" Street Elbow	2
3	DRS265	Cylinder Pin - 1-1/4" Diameter For 5" Cylinder	*
4	H276-1	1/2" x 276" Hydraulic Hose	1

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
5	H252-1	1/2" x 252" Hydraulic Hose	1
6		1/4" x 2" Cotter Pin	4
7	D20136	Lock-Up Bracket	1

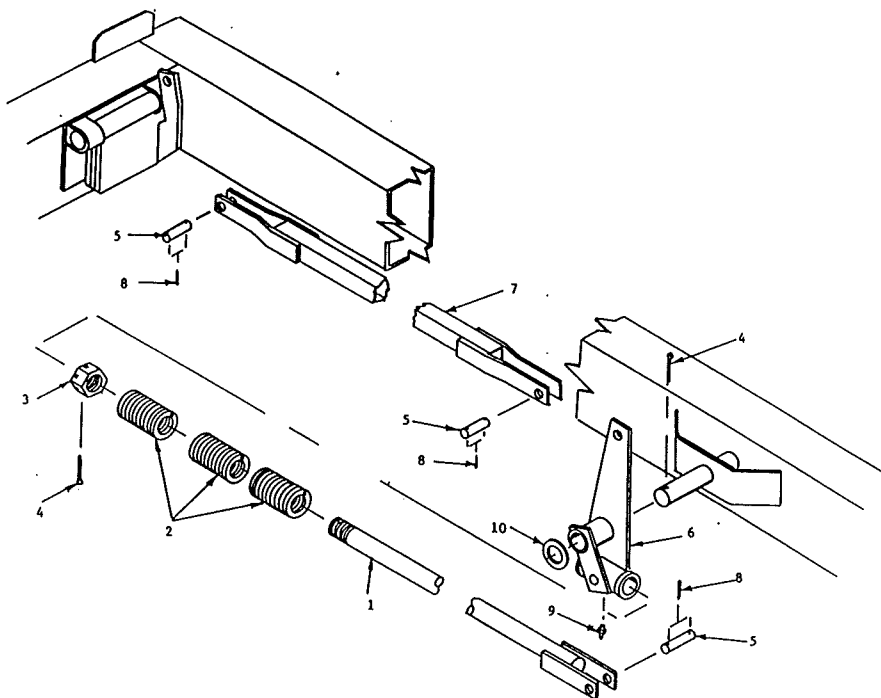


ROCKSHAFT CYLINDER - N4 - NUT TYPE (DISCS SHIPPED 1990 AND UP - CYLINDER #268)

Ref. No.	Part No.	Description	Qty. Req'd
3	50TU9	Tube Assembly - 5" x 24"	1
	10SH52	Shaft - 2" x 24"	1
	DR20124	Depth Control Stop Ring - 1" Long	1
	DR20125	Depth Control Stop Ring - 1-1/2" Long	1
	DR20127	Depth Control Stop Ring - 2" Long	1
4	DR20128	Depth Control Stop Ring - 4-1/4" Long	2
	10OR19	1-1/8" I.D. x 1-1/4" O.D. O-Ring	1

Ref. No.	Part No.	Description	Qty. Req'd
5	50CU1	U-Cups - 4-1/2" x 5" x 9/16"	2
6	50PB2	Piston - 5" O.D. x 2-1/2" Long	1
7	10NU3	1-1/4" - 12 UNF Hex Locking Nut	1
8	10OR14	1/4" x 5" O.D. O-Ring	1
9	50HP2	Head Plate - 5" O.D. x 2" I.D.	1
10	10RS2	Rod Seal - 2-1/2" x 2" x 3/8"	1
11	10WS6	Wiper Seal - 2-3/8" x 2" x 3/8" - All Urethane	1

MODEL 9000 DISC



ACTUATED HITCH STABILIZER

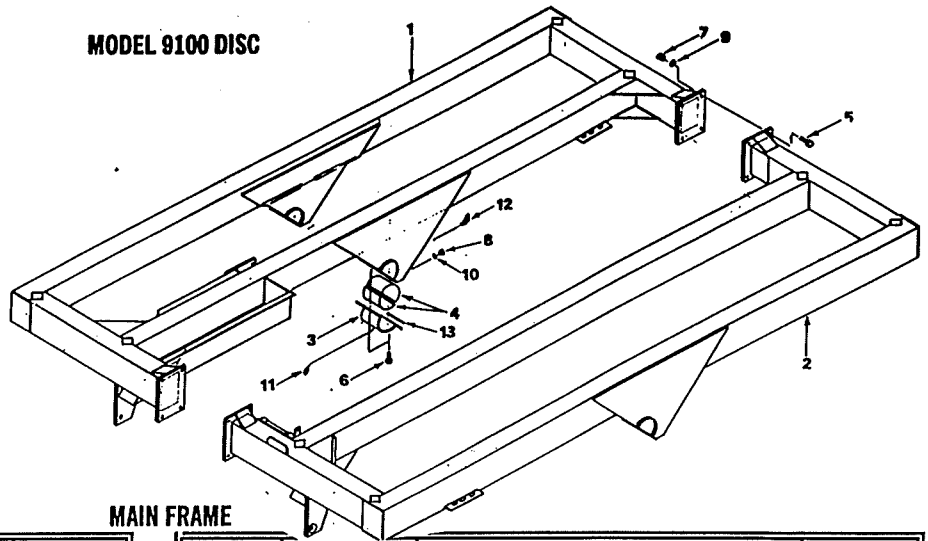
Ref. No.	Part No.	Description	Qty. Req'd
1	D20025	Shaft Assembly	1
2	DH1	Spring	3
3	DG82	2" Slotted Nut	1
4		3/8" x 3" Cotter Pin	2
5	D20029	1" Diameter Pin	3

Ref. No.	Part No.	Description	Qty. Req'd
6	D20731	Trunion Arm Assembly	1
7	D20732	Push Arm Assembly	1
8		1/4" x 1-1/2" Cotter Pin	3
9	10GN1	1/4" - 28 Grease Fitting	1
10	D20028	3" O.D. x 2" I.D. x 1/4" Flatwasher	1

CYLINDER SEAL KIT

Kit No.	Contents			Application
5020N4	2	50CU1	5" U-Cups	5" x 24" Cylinder #266
	1	100R19	1-1/8" x 1-1/4" O.D. O-Ring	
	1	100R14	1/4" x 5" O.D. O-Ring	
	1	10RS2	2-1/2" x 2" x 3/8" Rod Seal	
	1	10WS6	2-1/2" x 2" x 3/8" Wiper Seal	

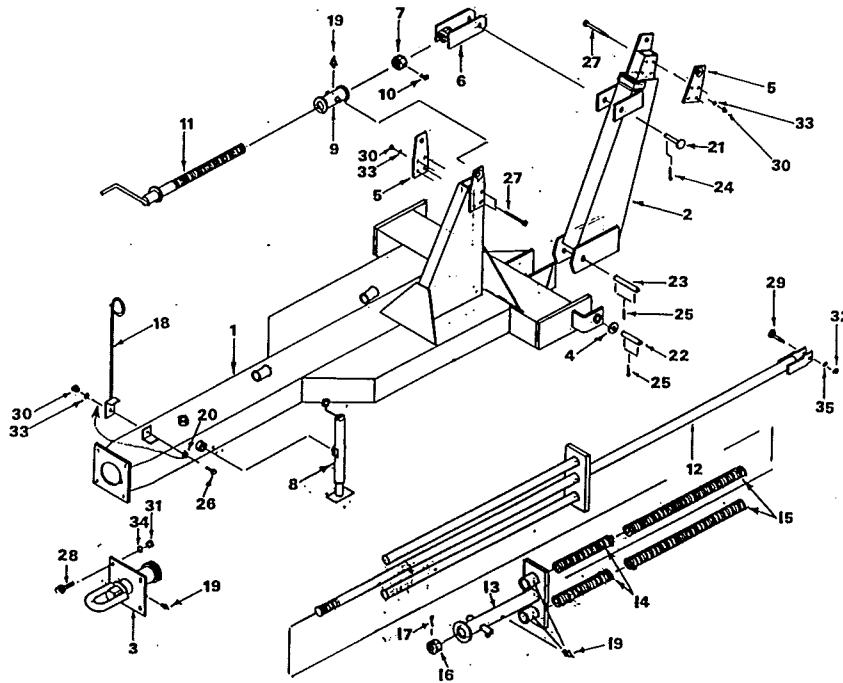
MODEL 9100 DISC



MAIN FRAME

Ref. No.	Part No.	Description	Qty. Req'd
1	DFB20030	Right Hand Half Of Frame c/w Two Rockshaft Bearing Caps (Ref. No. 3), Rockshaft Bearing Liners (Ref. No. 4), Bolts, Nuts, & Lockwashers (Ref. No. 6, 8, and 10)	1
2	DFB20032	Left Hand Half Of Frame c/w One Rockshaft Bearing Cap (Ref. No. 3), Rockshaft Bearing Liners (Ref. No. 4)	1
3	DFA5041	Rockshaft Bearing Cap	3
4	DF5259	Rockshaft Bearing Liners	6
5		1" x 3-1/4" N.C. Hex Bolt	8

Ref. No.	Part No.	Description	Qty. Req'd
6		3/4" x 2-1/2" N.C. Hex Bolt	6
7		1" N.C. Hex Nut	8
8		3/4" N.C. Hex Nut	6
9		1" Lockwasher	8
10		3/4" Lockwasher	6
11	10GN1	1/4" - 28 Straight Grease Fitting - Bottom Of Rockshaft Bearing	3
12	DR5260	1/4" - 28 - 45 Degree Grease Fitting - Top Of Rockshaft Bearing	3
13	DF5063	Rockshaft Bearing Cap Shim	18

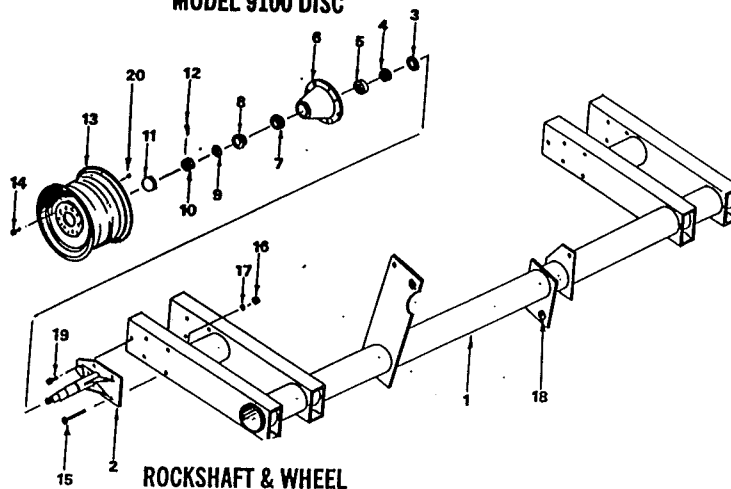


HITCH ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DHB20060	Hitch Assembly	1
2	DHA20075	Levelling Arm Assembly	1
3	DHA20090	Hitch Tongue Assembly	1
4		3/16" x 3" O.D. x 1-9/16" I.D. Washer	4
5	DH20068	Levelling Arm Crank Assembly Attaching Lug	1
6	DCA20105	Levelling Arm Crank Clevis Assembly	1
7	DH5	2" N.C. Hex Nut	1
8	DHB5170	Hitch Jack	1
9	DCA20107	Trunion Mounted Bearing Tube	2
10		1/2" x 1" N.C. Square Head Set Screw	1
	DCA20112	Levelling Arm Crank Assembly	1
	DCA20122	Levelling Arm Assembly	1
	DCA20123	Trunion Mounted Bearing Tube - Double Spring Type	1
14	DC9615	11" Spring	2
15	DC9618	21-1/2" Spring	2
16	DG82	2" N.C. Slotted Hex Nut	1
17		3/8" x 3" Cotter Pin	1
18	DHA5161	Hose Support	1

Ref. No.	Part No.	Description	Qty. Req'd
19	10GN1	1/4" - 28 Grease Fitting	6
20		1-3/8" O.D. x 9/16" I.D. Flatwasher	1
21	DHA20084	1-1/4" x 5" Levelling Arm Pin	1
22	DH20087	1-1/2" x 7" Hitch Pin	2
23	DH20088	1-1/2" x 8-1/4" Levelling Arm Attaching Pin	1
24		1/4" x 2" Cotter Pin	1
25		5/16" x 2-1/4" Cotter Pin	4
26		5/8" x 1-1/2" N.C. Hex Bolt	1
27		5/8" x 5" N.C. Hex Bolt	8
28		1" x 3" N.C. Hex Bolt	4
29	DR5215	1-1/4" x 4-1/4" Special N.C. Hex Bolt	1
30		5/8" N.C. Hex Nut	9
31		1" N.C. Hex Nut	4
32		1-1/4" N.C. Hex Nut	1
33		5/8" Lockwasher	9
34		1" Lockwasher	4
35		1-1/4" Lockwasher	1

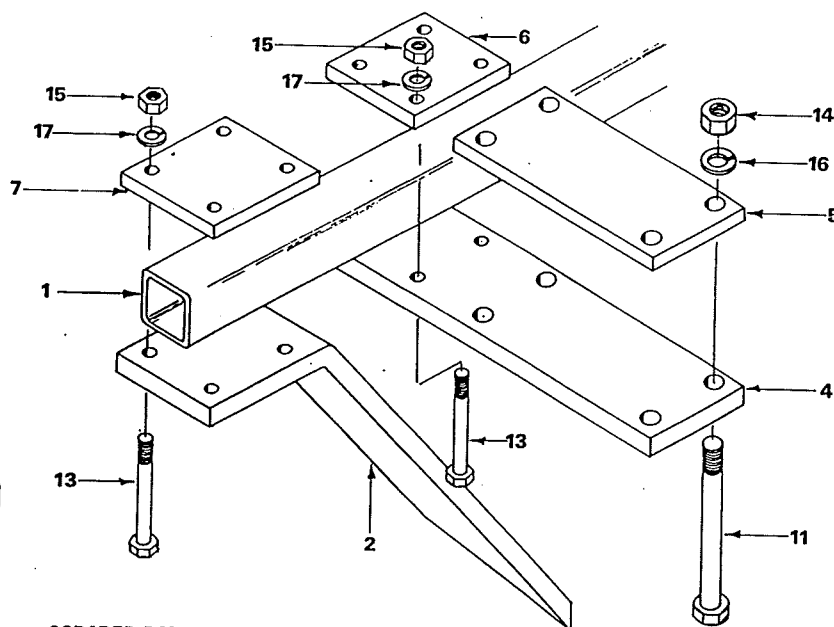
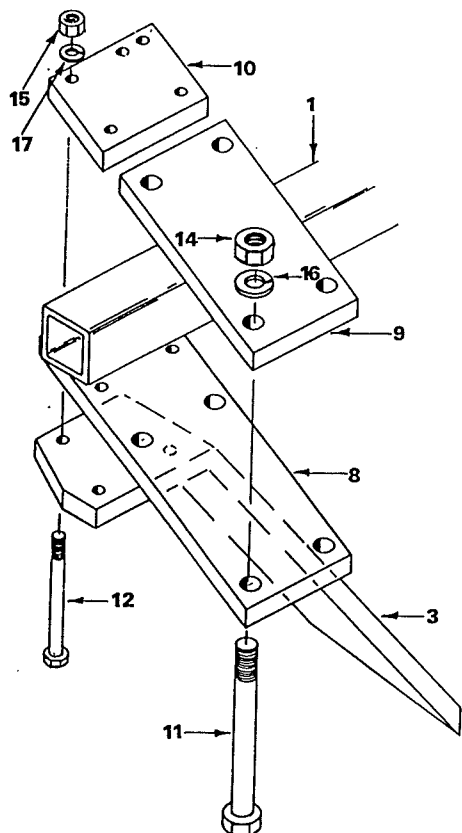
MODEL 9100 DISC



ROCKSHAFT & WHEEL

Ref. No.	Part No.	Description	Qty. Req'd
1	DRA20131	Rockshaft Assembly	1
2	DRA20141	Spindle	4
3	DR9680	Grease Seal	4
4	DR9684	Inner Cone Bearing - #4T-3780	4
5	DR9682	Inner Cup - #4T-3720	4
6	DRA9679	Hub c/w Cups - 8 Bolt	4
7	DR9683	Outer Cup - #4T-2720	4
8	DR9685	Outer Cone Bearing - #4T-2790	4
9		2" O.D. x 1-1/16" I.D. x 1/8" Flatwasher	4
10	DR110	1" N.F. Slotted Hex Nut	4

Ref. No.	Part No.	Description	Qty. Req'd
11		Hub Cap	4
12	DR9681	3/16" x 1-1/4" Cotter Pin	4
13	DR20145	W14C x 16.1 8 Bolt Wheel c/w Stem Protector	4
14	DR9671	9/16" x 1-11/16" Long N.F. Wheel Stud	32
15		1" x 6-1/2" N.C. Hex Bolt	16
16		1" N.C. Hex Nut	20
17		1" Lockwasher	20
18	DR5227	1-1/4" Ball Joint	1
19		1" x 3-1/4" N.C. Hex Bolt	4
20	DR9670	9/16" Locknut N.F.	32



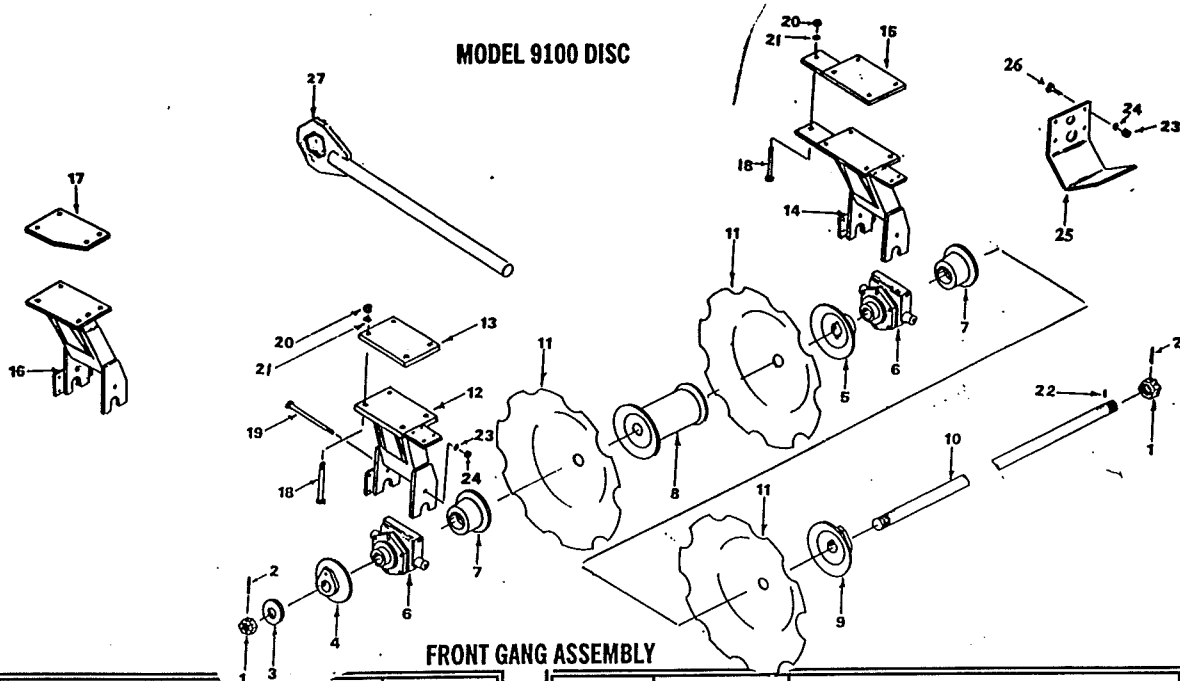
SCRAPER BAR ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DS107-3-4	Front Scraper Bar - 6 Blade Scraper Bar - 107"	2
	DS120-3-4	Front Scraper Bar - 7 Blade Scraper Bar - 120"	2
	DS126-3-4	Rear Scraper Bar - 7 Blade Scraper Bar - 126"	2
	DS138-3-4	Rear Scraper Bar - 8 Blade Scraper Bar - 138"	2
2	D20162	Standard R.H. Scraper Bar	*
	D20163	Standard L.H. Scraper Bar	*
3	D20164	R.H. Rear Gang Special Scraper	*
	D20165	L.H. Rear Gang Special Scraper	*
4	DG20166	Standard Scraper Bar Attaching Plate	*
5	DG20167	Standard Scraper Bar To Gang Beam Attaching Plate	*
6	DG20168	Standard Scraper Bar Backing Plate	*

Ref. No.	Part No.	Description	Qty. Req'd
7	DG20169	Standard Scraper Backing Plate	*
8	DG20170	Rear Gang Special Scraper Bar Attaching Plate	2
9	DGA20171	Rear Gang Special Scraper Bar To Gang Beam Attaching Plate	2
10	DGA20172	Rear Gang Special Scraper Bar Backing Plate	2
11		1" x 9-1/2" N.C. Hex Bolt	*
12		3/4" x 6-1/2" N.C. Hex Bolt	*
13		3/4" x 6" N.C. Hex Nut	*
14		1" N.C. Hex Nut	*
15		3/4" N.C. Hex Nut	*
16		1" Lockwasher	*
17		3/4" Lockwasher	*

* As Required

MODEL 9100 DISC

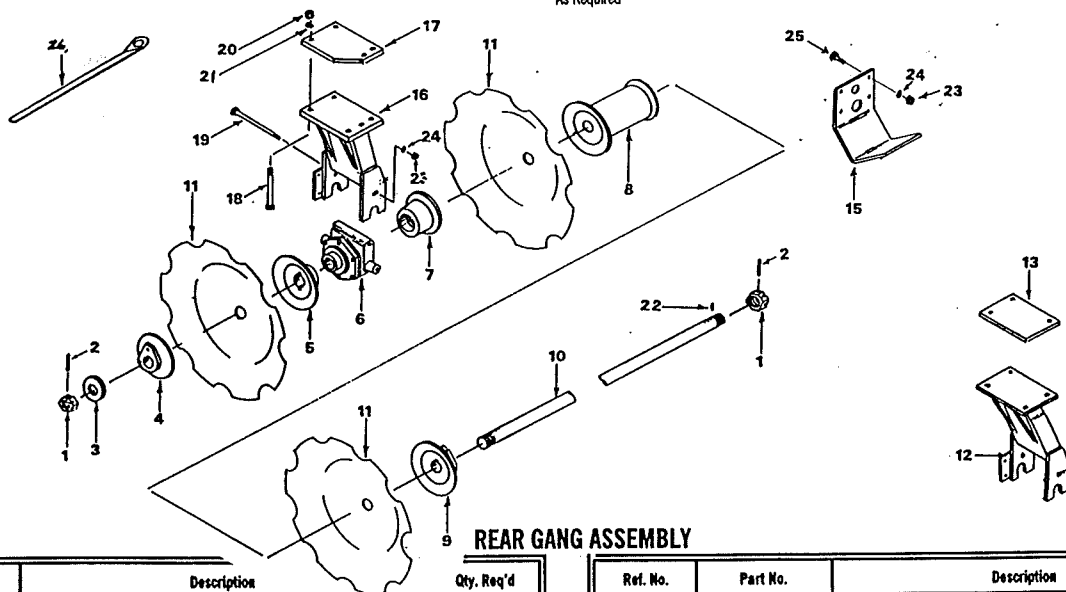


FRONT GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG20184	2-3/4" N.C. Slotted Hex Nut	*
2	DG20185	1/2" x 4-1/2" Lock Pin	*
3	DG20186	5" O.D. x 2-13/16" I.D. x 3/4" Shim Washer	*
4	DG20024	10" O.D. x 2-13/16" I.D. Outboard Bearing End Plate	*
5	DG20013	Half Spool - Convex Side	*
6	DG20010	Cone Roller Bearing Assembly	*
7	DG20015	Half Spool - Concave Side - 16" Spacing	*
8	DG20016	Full Spool - 16" Spacing	*
9	DG20023	End Plate - Convex Side	*
10	DG20157	6 Blade - 109" Gang Bolt	*
11	D20117	36" x 1/2" Notched Disc Blade	*
12	DGA20206	R.H. Front Outside Hanger w/Scraper Bar Mount Plate	*
13	DGA20207	L.H. Front Outside Hanger w/Scraper Bar Mount Plate	*
	DGA20176	Mount Plate - For L.H. and R.H. Front Outside Hanger	*
	DGA20177	R.H. Front Center Hanger w/Stabilizer Mount Lug	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
15	DGA20178	L.H. Front Center Hanger w/Stabilizer Mount Lug	*
16	DGA20179	Mount Plate w/Stabilizer Mount Lug - For R.H. & L.H. Center Hanger	*
	DGA20180	R.H. Front Inside Hanger - w/5 Hole Mount Plate	*
	DGA20181	L.H. Front Inside Hanger - w/5 Hole Mount Plate	*
17	DG20182	Mount Plate - For L.H. & R.H. Inside Hanger	*
18		1-1/4" x 10" N.C. Hex Bolt	*
19		1" x 14" N.C. Hex Bolt	*
20		1-1/4" N.C. Hex Nut	*
21		1-1/4" Lockwasher	*
22	D20201	5/8" Diameter x 1-1/4" End Plate Lock Pin	*
23		1" N.C. Hex Nut	*
24		1" Lockwasher	*
25	DG20212	Sand Guard	*
26		1" x 2-1/2" N.C. Hex Bolt	*
27	DGA20187	Wrench (For Gang Bolt)	1



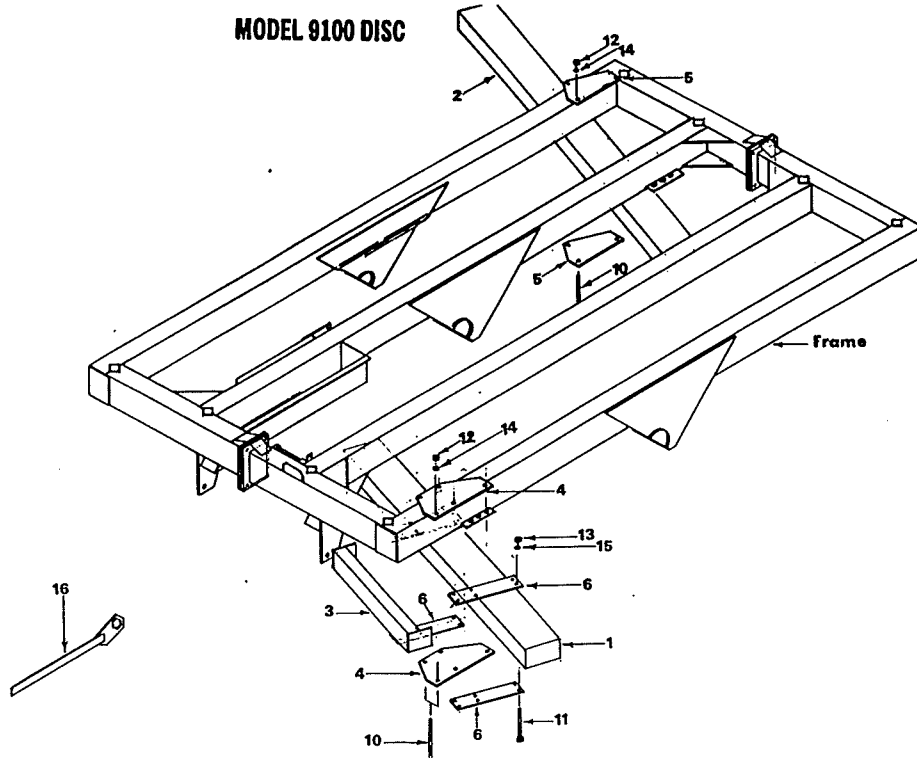
REAR GANG ASSEMBLY

Ref. No.	Part No.	Description	Qty. Req'd
1	DG20184	2-3/4" N.C. Slotted Hex Nut	*
2	DG20185	1/2" x 4-1/2" Lock Pin	*
3	DG20186	5" O.D. x 2-13/16" I.D. x 1/2" Shim	*
4	DG20197	End Plate - Concave Side	*
5	DG20013	Half Spool - Convex Side	*
6	DG20000	Cone Roller Bearing Assembly	*
7	DG20015	Half Spool - Concave Side	*
8	DG20016	Full Spool - 16" Spacing	*
9	DG20023	End Plate - Convex Side	*
	DG20158	7 Blade - 111-1/4" Gang Bolt	*
	D20104	32" x 1/2" Notched Disc Blade - Outrigger Blade	*
	D20117	36" x 1/2" Notched Disc Blade	*
	DGA20175	L.H. Rear Outside Hanger - 4 Hole Mount Plate	*
	DGA20205	R.H. Rear Outside Hanger - 4 Hole Mount Plate	*
13	DG20176	Mount Plate - For L.H. & R.H. Rear Outside Hanger	*

* As Required

Ref. No.	Part No.	Description	Qty. Req'd
15	DG20212	Sand Guard	*
16	DGA20180	R.H. Rear Inside Hanger - 5 Hole Mount Plate	*
	DGA20181	L.H. Rear Inside Hanger - 5 Hole Mount Plate	*
17	DG20182	Mount Plate - For L.H. & R.H. Rear Inside Hanger	*
18		1-1/4" x 10" N.C. Hex Bolt	*
19		1" x 14" N.C. Hex Bolt	*
20		1-1/4" N.C. Hex Nut	*
21		1-1/4" Lockwasher	*
22	S20201	5/8" Diameter x 1-1/4" End Plate Lock Pin	*
23		1" N.C. Hex Nut	*
24		1" Lockwasher	*
25		1" x 2-1/2" N.C. Hex Bolt	*
26	DGA5348	Wrench For 1-1/4" Bolts	*

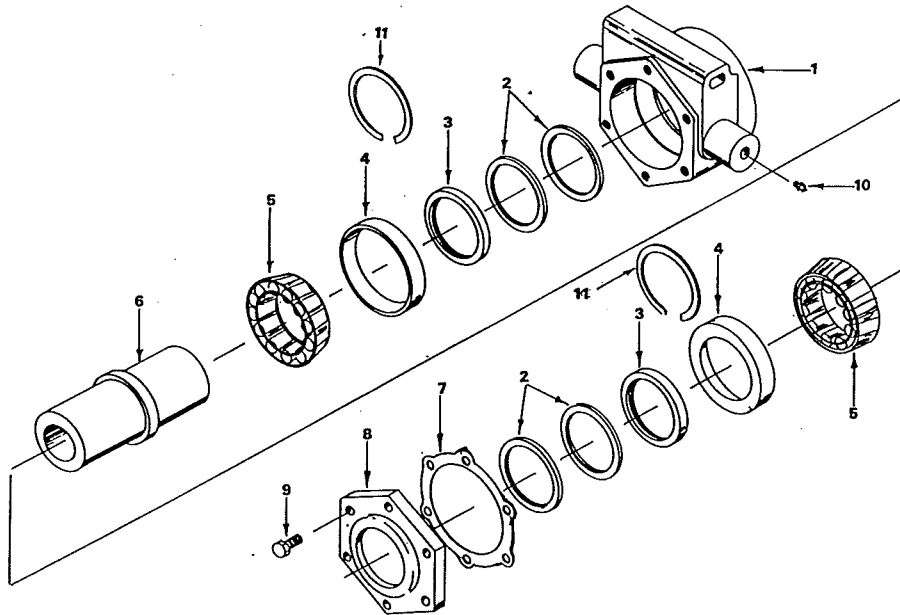
MODEL 9100 DISC



GANG BEAM

Ref. No.	Part No.	Description	Qty. Req'd
1	DBS107-3/8	Front Gang Beam 107" - (Model 268)	2
	DBS120-3/8	Front Gang Beam 120" - (Model 306)	2
2	DBS133-3/8	Rear Gang Beam 133" - (Model 268)	2
	DBS149-3/8	Rear Gang Beam 149" - (Model 306)	2
3	DGA20152	Gang Beam Reinforcing Beam	2
4	DGA20150	5 Hole Gang Beam Support Plate	4
5	DGA20151	3 Hole Gang Beam Support Plate	4
6	DG20155	Gang Beam Reinforcing Beam Support Plate	12
7	DFA20045	Gang Beam Angle Adjustment Plate	4

Ref. No.	Part No.	Description	Qty. Req'd
8	DG7215	Gang Beam Adjustment Plate Pin	4
9		Hair Pin Cotter	4
10	D20202	1-1/2" x 21-1/8" N.C. Hex Bolt	16
11		1" x 9-1/2" N.C. Hex Bolt	24
12		1-1/2" N.C. Hex Nut	16
13		1" N.C. Hex Nut	24
14		1-1/2" Lockwasher	16
15		1" Lockwasher	24
16	DGA20188	Wrench (For 1-1/2" Hex Bolt)	2

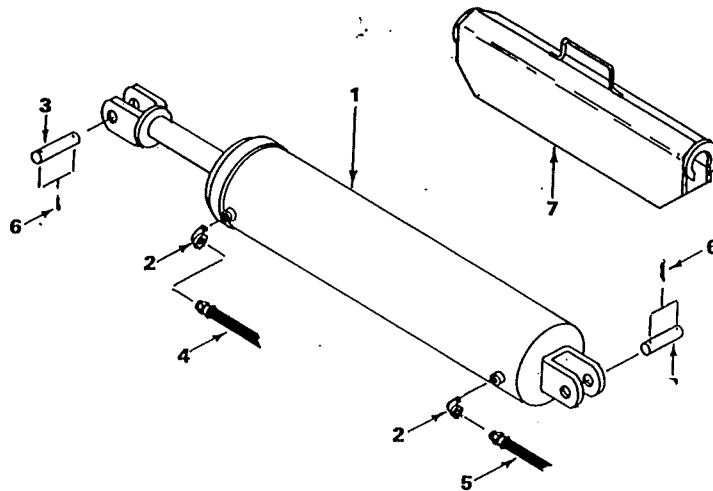


GANG BEARING

Ref. No.	Part No.	Description	Qty. Req'd
1	20001	Cone Roller Bearing Housing	1
2	20006	Cone Roller Bearing Seal (CR Industries #45025)	4
3	20005	Cone Roller Bearing Seal (CR Industries #44967)	2
4	20003	Cone Roller Bearing Race (#64700)	2
5	20004	Cone Roller Bearing (#64450)	2
6	20191	Cone Roller Bearing Sleeve c/w Drive Lugs	1
7	20008	Bearing Shim - 0.005"	1

Ref. No.	Part No.	Description	Qty. Req'd
	20009	Bearing Shim - 0.007"	1
	20010	Bearing Shim - 0.020"	2
8	20002	Cone Roller Bearing Housing Cap	1
9		1/2" x 1-3/4" N.C. Hex Bolt	6
10	10GN1	1/4" - 28 Grease Fitting	1
11	20199	Retainer Ring For Grease Seals	2

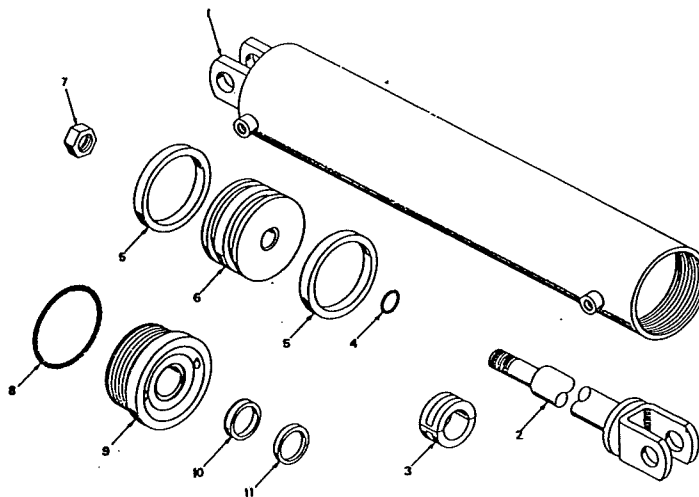
MODEL 9100 DISC



HYDRAULIC SYSTEM

Ref. No.	Part No.	Description	Qty. Req'd
1	268	5" x 24" Rockshaft Cylinder (With 2" Shaft)	*
2	DL9777	1/2" Street Elbow (Steel)	2
3	DR5265	Cylinder Pin - 1-1/4" Diameter For 5" Cylinder	*
4	H264-1	1/2" x 264" Hydraulic Hose	1

Ref. No.	Part No.	Description	Qty. Req'd
5	H240-1	1/2" x 240" Hydraulic Hose	1
6		1/4" x 2" Cotter Pin	4
7	DRA20136	Lock-Up Bracket	1

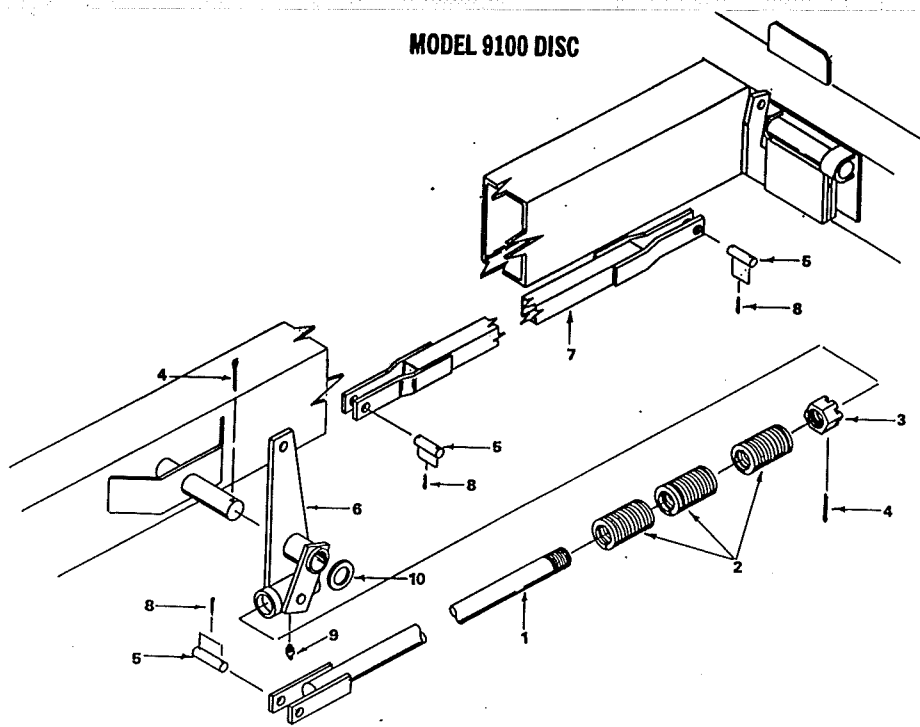


ROCKSHAFT CYLINDER - N4 - NUT TYPE (DISCS SHIPPED 1990 AND UP - CYLINDER #268)

Ref. No.	Part No.	Description	Qty. Req'd
1	50TU9	Tube Assembly - 5" x 24"	1
2	10SH52	Shaft - 2" x 24"	1
3	DR20124	Depth Control Stop Ring - 1" Long	1
4	DR20125	Depth Control Stop Ring - 1-1/2" Long	1
5	DR20127	Depth Control Stop Ring - 2" Long	1
6	DR20128	Depth Control Stop Ring - 4-1/4" Long	2
7	10OR19	1-1/8" I.D. x 1-1/4" O.D. O-Ring	1

Ref. No.	Part No.	Description	Qty. Req'd
8	50CU1	U-Cups - 4-1/2" x 5" x 9/16"	2
9	50PB2	Piston - 5" O.D. x 2-1/2" Long	1
10	10RU3	1-1/4" - 12 UNF Hex Locking Nut	1
11	10OR14	1/4" x 5" O.D. O-Ring	1
12	50HP2	Head Plate - 5" O.D. x 2" I.D.	1
13	10RS2	Rod Seal - 2-1/2" x 2" x 3/8"	1
14	10WS6	Wiper Seal - 2-3/8" x 2" x 3/8" - All Urethane	1

MODEL 9100 DISC



ACTUATED HITCH STABILIZER ASSEMBLY (OPTIONAL)

Ref. No.	Part No.	Description	Qty. Req'd
1	DFA20025	Shaft Assembly	1
2	DH1	Spring	3
3	DG82	1-15/16" Slotted Nut	1
4		3/8" x 3" Cotter Pin	2
5		1" Diameter Pin	3

Ref. No.	Part No.	Description	Qty. Req'd
6	DFA20050	Trunion Arm Assembly	1
7	DFA20056	Push Arm Assembly	1
8		1/4" x 1-1/2" Cotter Pin	3
9	10GN1	1/4" - 28 Grease Fitting	1
10	DF20028	3" O.D. x 2" I.D. x 1/4" Flatwasher	1

CYLINDER SEAL KITS

Kit No.	Contents			Application
5020N4	2	50CU1	5" U-Cups	5" x 24" Cylinder #269
	1	100R19	1-1/8" x 1-1/4" O.D. O-Ring	
	1	100R14	1/4" x 5" O.D. O-Ring	
	1	10RS2	2-1/2" x 2" x 3/8" Rod Seal	
	1	10WS6	2-1/2" x 2" x 3/8" Wiper Seal	

