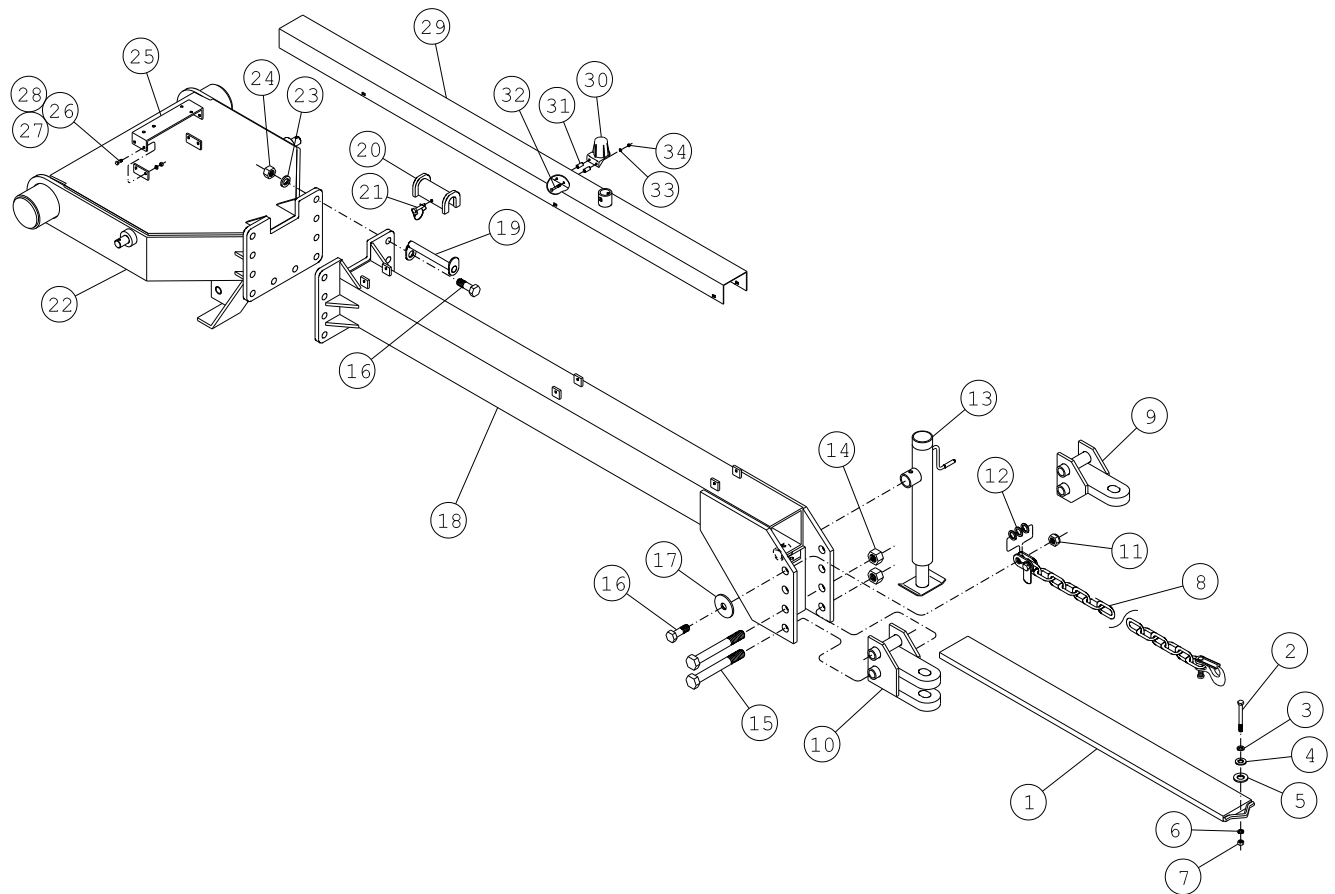


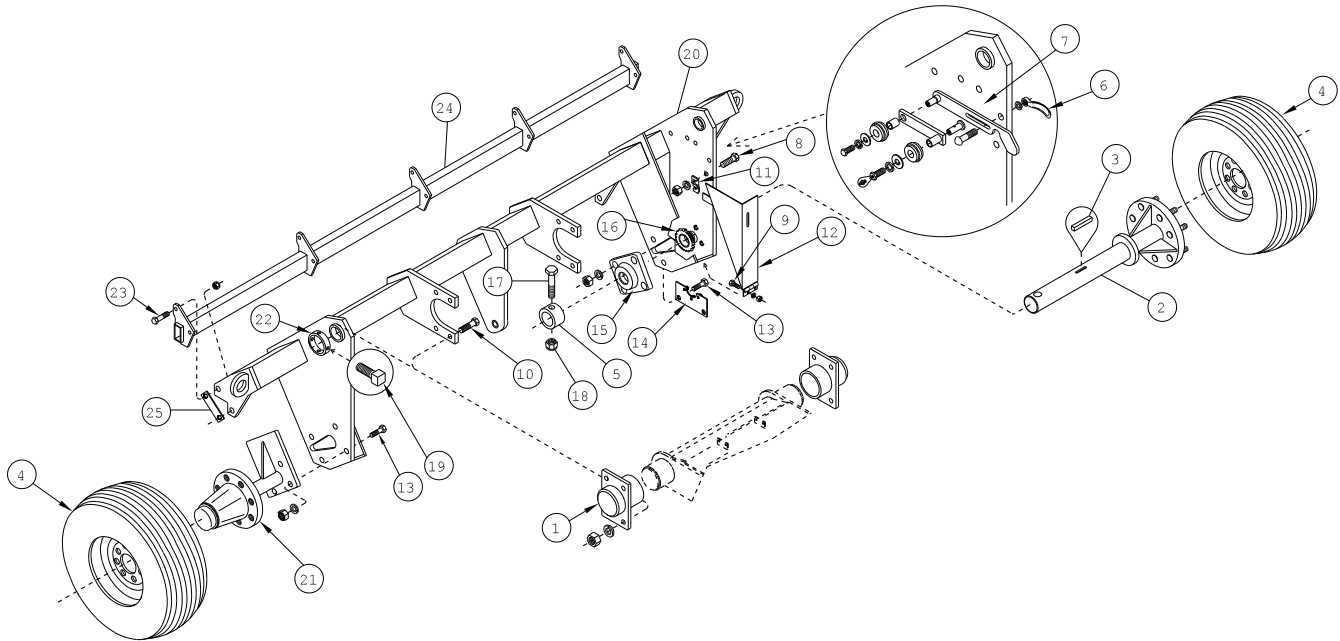
Hitch



Item	Part No.	Description
1	955492	Weight Bar 10' - 20'
2	955260	Weight Bar 13' - 15'
3	01225200	HHCS 1/2" x 5"
4	330159	Flat Washer 1/2"
5	330340	Flat Washer 3/4"
6	330407	Flat Washer 1"
7	330142	Lock Washer 1/2"
8	330134	Hex Nut 1/2"
9	433946	Safety Chain 21,000#
10	968958	Mono Hitch Option
11	955385	Hitch Clevis
12	330597	Nylock 1"
13	335166	Machine Bushing 1" x10ga
14	530733	Jack Side Crank 2000#
15	331454	Hex Nut 1 1/4"
16	337360	HHCS 1 1/4" x 10"
17	334987	HHCS 1" x 3"
18	20442000	Safety Chain Washer
19	965095	Front Hitch 10'
20	955443	Front Hitch 13'-15 -20'

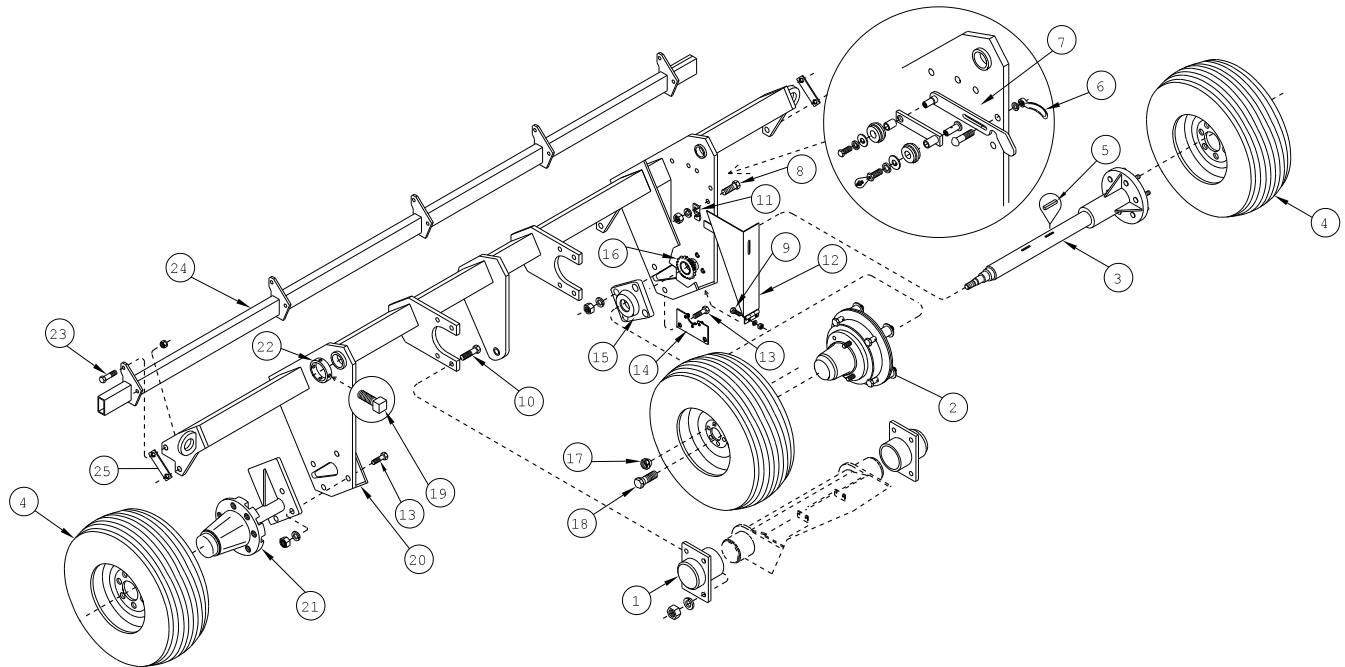
Item	Part No.	Description
21	957183	Transport Lock Carrier
22	964742	Cylinder Lockout Bracket
23	00233700	Wire Lock Pin 5/16" x2 3/4
24	956508	Rear Hitch
25	330399	Lock Washer 1"
26	330381	Hex Nut 1"
27	214981	Valve Bracket
28	01010800	HHCS 5/16" x 1"
29	330845	Lock Washer 3/16"
30	330852	Hex Nut 3/16"
31	965111	Cover Shield 10'
32	956516	Cover Shield 13'-15'-20'
33	605501	Plug Holder
34	145144	Bushing
	335133	HHCS 1/4" x 1 3/4"
	330050	Lock Washer 1/4"
	332205	Hex Nut 1/4"

Main Frame 10'



Item	Part No.	Description	Item	Part No.	Description
1	955377	Rocker Cap	11	216200	Latch Plate
2	964288	Wheel Spindle	12	956722	Shield Plate
3	605576	Key 3/16" x 1 1/4"	13	336321	HHCS 5/8" x 2 1/4"
4	032862	Tire 12.5L x 15" F		330878	Lock washer 5/8"
Includes:				330571	Hex nut 5/8"
	02990000	Decal Check Wheel Lugs	14	961557	Chain Holder
	530584	Wheel 8 Bolt 15x10	15	403279	Bearing 2" 4B (5 1/8"center)
	530287	Tire Valve Stem		403287	Insert for #403279
	530931	Tire 12.5L x 15 "F"	16	954370	Drive Sprocket 2050 18T
5	145623	Spindle Bushing			7 1/2" & 10" Spacing
6	337352	Handle Nut 1/2-13 x 4 1/2	17	330092	HHCS 1/2" x 4"
7	864157	Wheel Idler Assembly	18	331363	Hex Nylock Nut 1/2"
8	331926	HHCS 1/2 x 2	19	334748	Set Screw 5/16" x 1/2"
	330142	Lock Washer 1/2			Sq Head Cup
	330134	Hex Nut 1/2	20	964189	4610 Main Frame
9	01010800	HHCS 5/16 x 1	21	870576	Spindle & Hub Assembly
	330845	Lock Washer 5/16	22	149765	Lock Collar
	330811	Hex Nut 5/16	23	02307700	HHCS 3/4" x 3"
10	334987	HHCS 1" x 3"		330316	Hex Nylock Nut 3/4"
	330399	Lock washer 1"	24	964221	4610 Tool Bar
	330381	Hex Nut 1"	25	232322	Tool Bar Strap

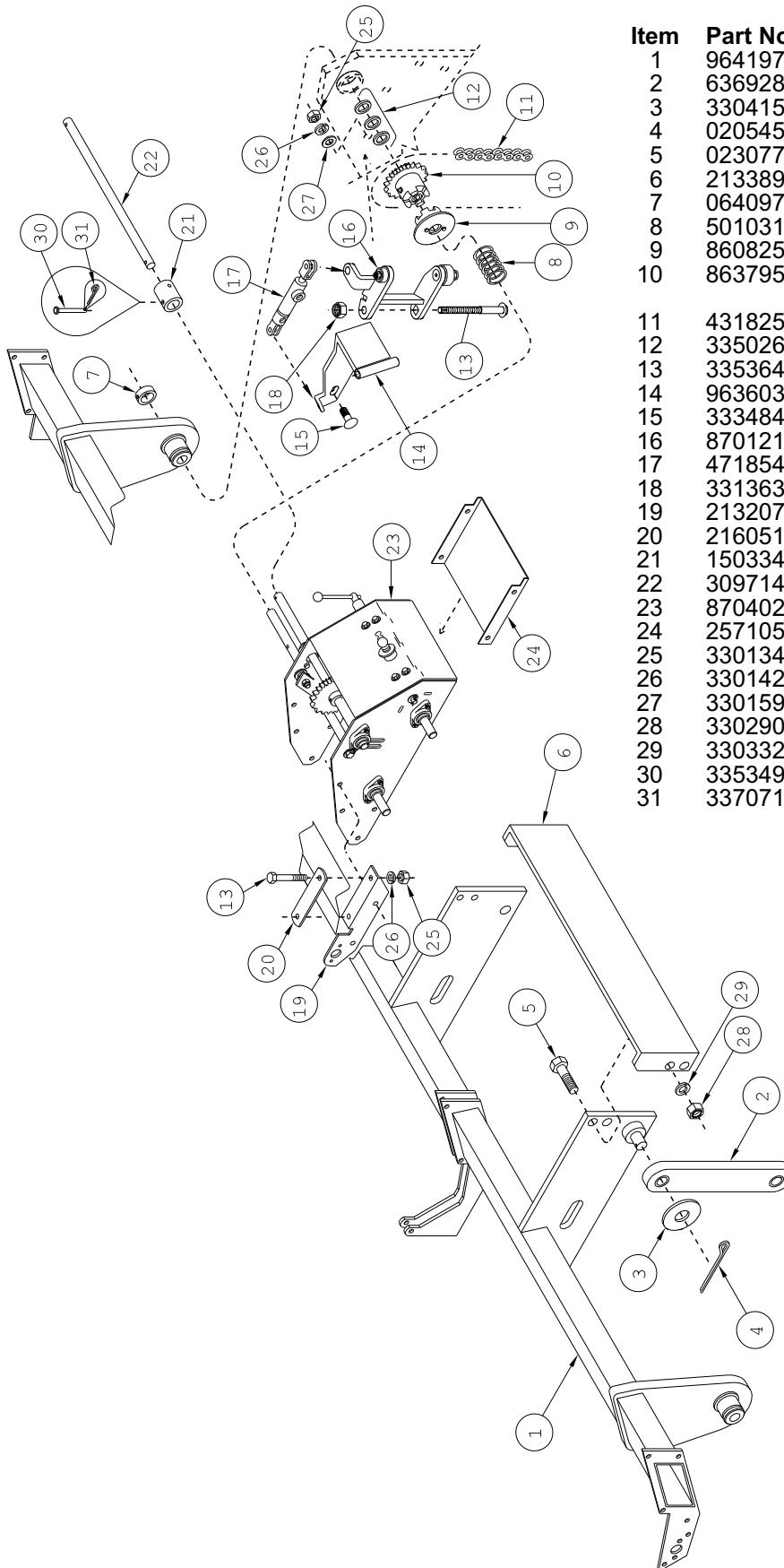
Main Frame 13', 15' & 20'



Item	Part No.	Description
1	955377	Rocker Cap
2	870196	Clutch Assembly
3	961532	Wheel Spindle
4	815175	Tire 11L 8 Ply Mounted
	Includes:	
	02990000	Decal Check Wheel Lugs
	530147	Wheel 6 Bolt 15x10
	530287	Tire Valve Stem
	530329	Tire 11L x 15 8Ply
5	605576	Key 3/16 x 1 1/4
6	337352	Handle Nut 1/2-13 x 4 1/2
7	864157	Wheel Idler Assembly
8	331926	HHCS 1/2 x 2
	330142	Lock Washer 1/2
	330134	Hex Nut 1/2
9	01010800	HHCS 5/16 x 1
	330845	Lock Washer 5/16
	330811	Hex Nut 5/16
10	334987	HHCS 1" x 3"
	330399	Lock washer 1"
	330381	Hex Nut 1"
11	216200	Latch Plate
12	956722	Shield Plate
13	336321	HHCS 5/8" x 2 1/4"
	330878	Lock washer 5/8"
	330571	Hex nut 5/8"

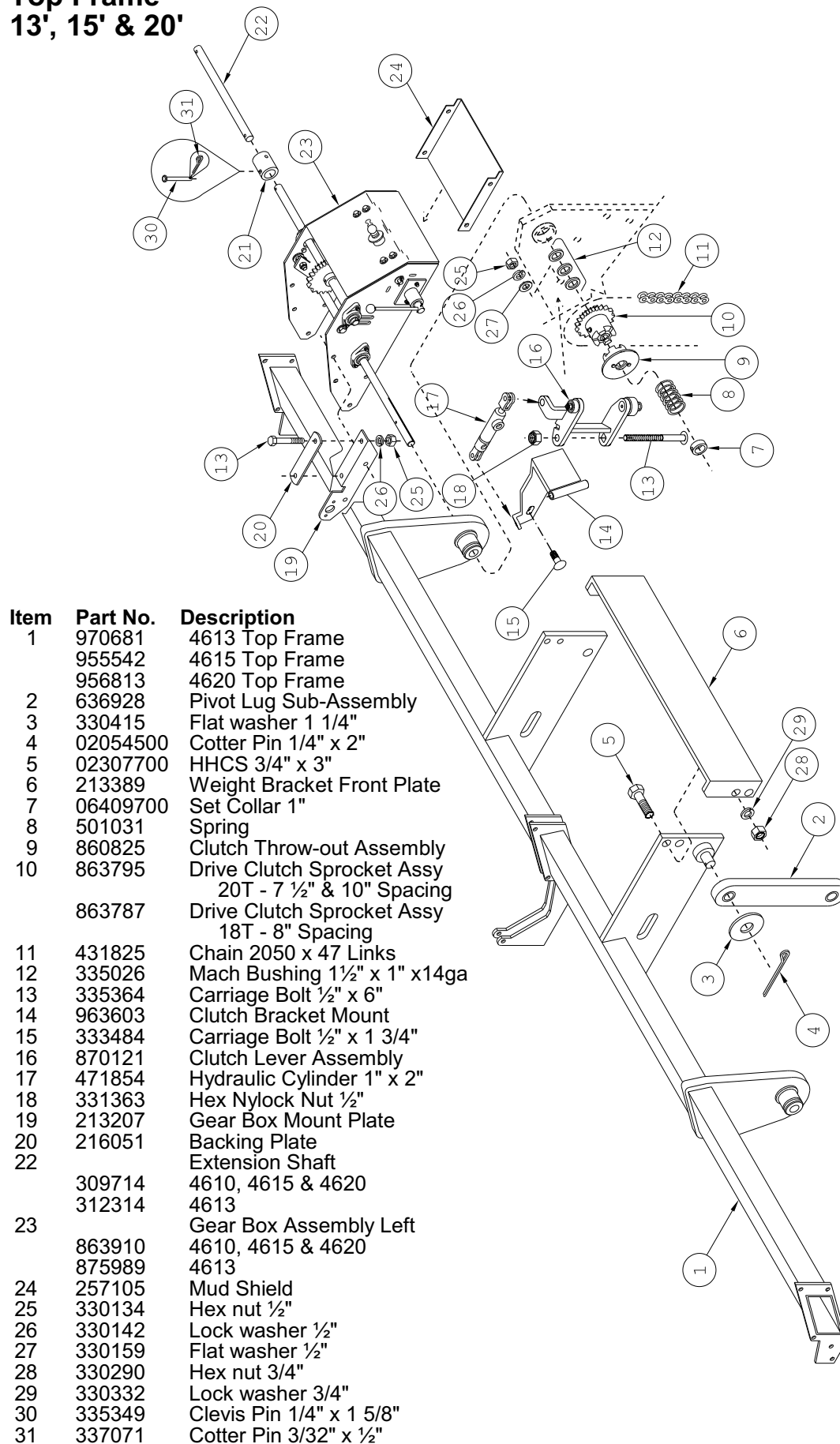
Item	Part No.	Description
14	961557	Chain Holder
15	403279	Bearing 2" 4B (5 1/8" center)
	403287	Insert for #403279
	400739	Bearing 2" 4B (4 3/8" center)
	400994	Insert for #400739
16	954370	Drive Sprocket 2050 18T
		7 1/2" & 8" Spacing
	953216	Drive Sprocket 2050 25T
		10" Spacing
17	331314	Wheel Nut 1/2"-20 90°
18	330464	Wheel Bolt 1/2" x 1 3/4" SAE
19	334748	Set Screw 5/16" x 1/2"
		Sq Head Cup
20	970673	4613 Main Frame
	961516	4615 Main Frame
	961524	4620 Main Frame
21	868711	Spindle Assembly (5 1/8" center)
	863902	Spindle Assembly (4 3/8" center)
22	149765	Lock Collar
23	02307700	HHCS 3/4" x 3"
	330316	Hex Nylock Nut 3/4"
24	970699	4613 Tool Bar
	955476	4615 Tool Bar
	956920	4620 Tool Bar Right
	957001	4620 Tool Bar Left
25	232322	Tool Bar Strap

Top Frame 10'



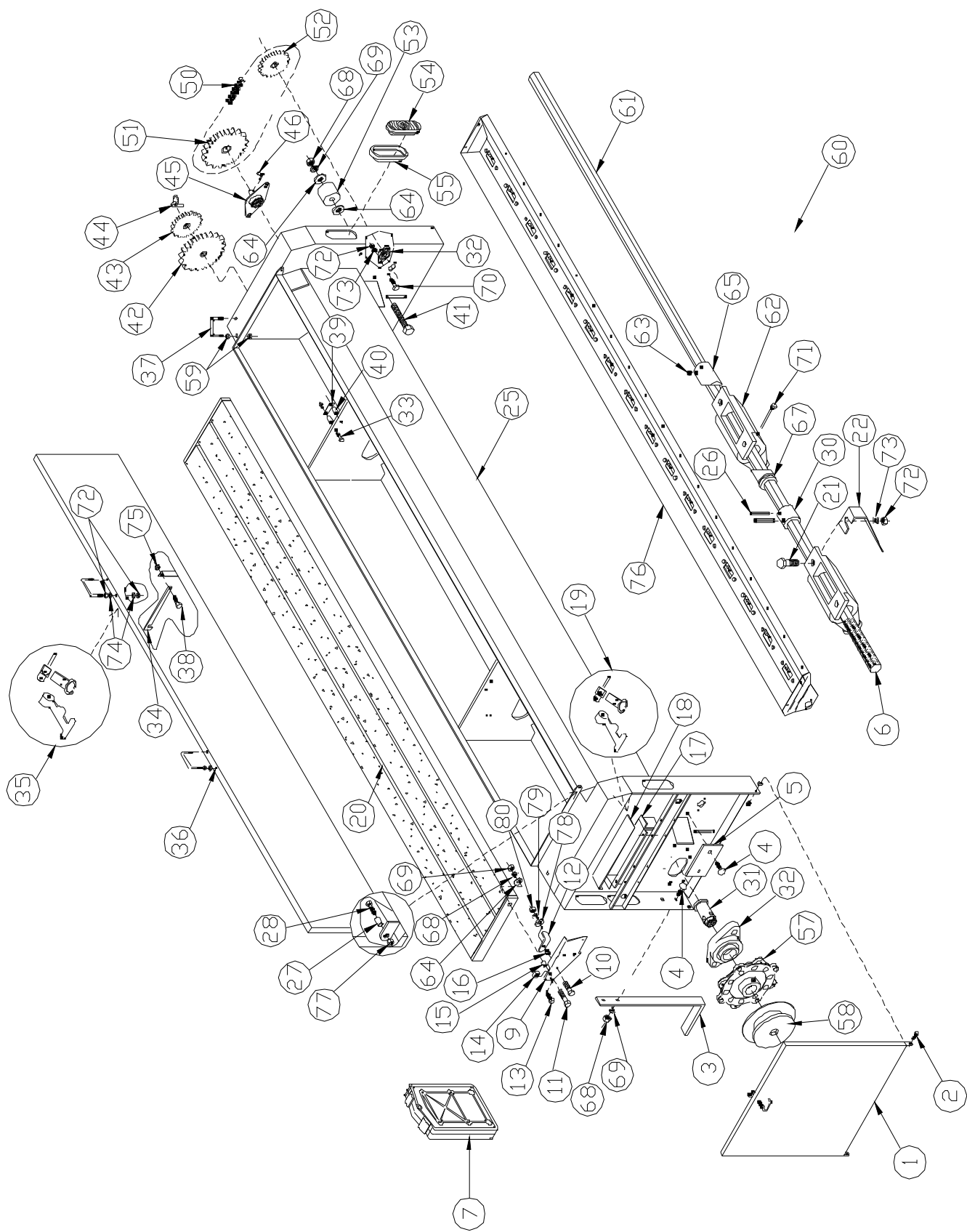
Item	Part No.	Description
1	964197	4610 Top Frame
2	636928	Pivot Lug Sub-Assembly
3	330415	Flat washer 1 1/4"
4	02054500	Cotter Pin 1/4" x 2"
5	02307700	HHCS 3/4" x 3"
6	213389	Weight Bracket Front Plate
7	06409700	Set Collar 1"
8	501031	Spring
9	860825	Clutch Throw-out Assembly
10	863795	Drive Clutch Sprocket Assy 20T - 7 1/2" & 10" Spacing
11	431825	Chain 2050 x 47 Links
12	335026	Mach Bushing 1 1/2" x 1" x14ga
13	335364	Carriage Bolt 1/2" x 6"
14	963603	Clutch Bracket Mount
15	333484	Carriage Bolt 1/2" x 1 3/4"
16	870121	Clutch Lever Assembly
17	471854	Hydraulic Cylinder 1" x 2"
18	331363	Hex Nylock Nut 1/2"
19	213207	Gear Box Mount Plate
20	216051	Backing Plate
21	150334	Adapter Sleeve
22	309714	Extension Shaft
23	870402	4610 Gear Box Assembly
24	257105	Mud Shield
25	330134	Hex nut 1/2"
26	330142	Lock washer 1/2"
27	330159	Flat washer 1/2"
28	330290	Hex nut 3/4"
29	330332	Lock washer 3/4"
30	335349	Clevis Pin 1/4" x 1 5/8"
31	337071	Cotter Pin 3/32" x 1/2"

Top Frame **13', 15' & 20'**



Item	Part No.	Description
1	970681	4613 Top Frame
	955542	4615 Top Frame
	956813	4620 Top Frame
2	636928	Pivot Lug Sub-Assembly
3	330415	Flat washer 1 1/4"
4	02054500	Cotter Pin 1/4" x 2"
5	02307700	HHCS 3/4" x 3"
6	213389	Weight Bracket Front Plate
7	06409700	Set Collar 1"
8	501031	Spring
9	860825	Clutch Throw-out Assembly
10	863795	Drive Clutch Sprocket Assy
		20T - 7 1/2" & 10" Spacing
	863787	Drive Clutch Sprocket Assy
		18T - 8" Spacing
11	431825	Chain 2050 x 47 Links
12	335026	Mach Bushing 1 1/2" x 1" x14ga
13	335364	Carriage Bolt 1/2" x 6"
14	963603	Clutch Bracket Mount
15	333484	Carriage Bolt 1/2" x 1 3/4"
16	870121	Clutch Lever Assembly
17	471854	Hydraulic Cylinder 1" x 2"
18	331363	Hex Nylock Nut 1/2"
19	213207	Gear Box Mount Plate
20	216051	Backing Plate
22		Extension Shaft
	309714	4610, 4615 & 4620
	312314	4613
23		Gear Box Assembly Left
	863910	4610, 4615 & 4620
	875989	4613
24	257105	Mud Shield
25	330134	Hex nut 1/2"
26	330142	Lock washer 1/2"
27	330159	Flat washer 1/2"
28	330290	Hex nut 3/4"
29	330332	Lock washer 3/4"
30	335349	Clevis Pin 1/4" x 1 5/8"
31	337071	Cotter Pin 3/32" x 1/2"

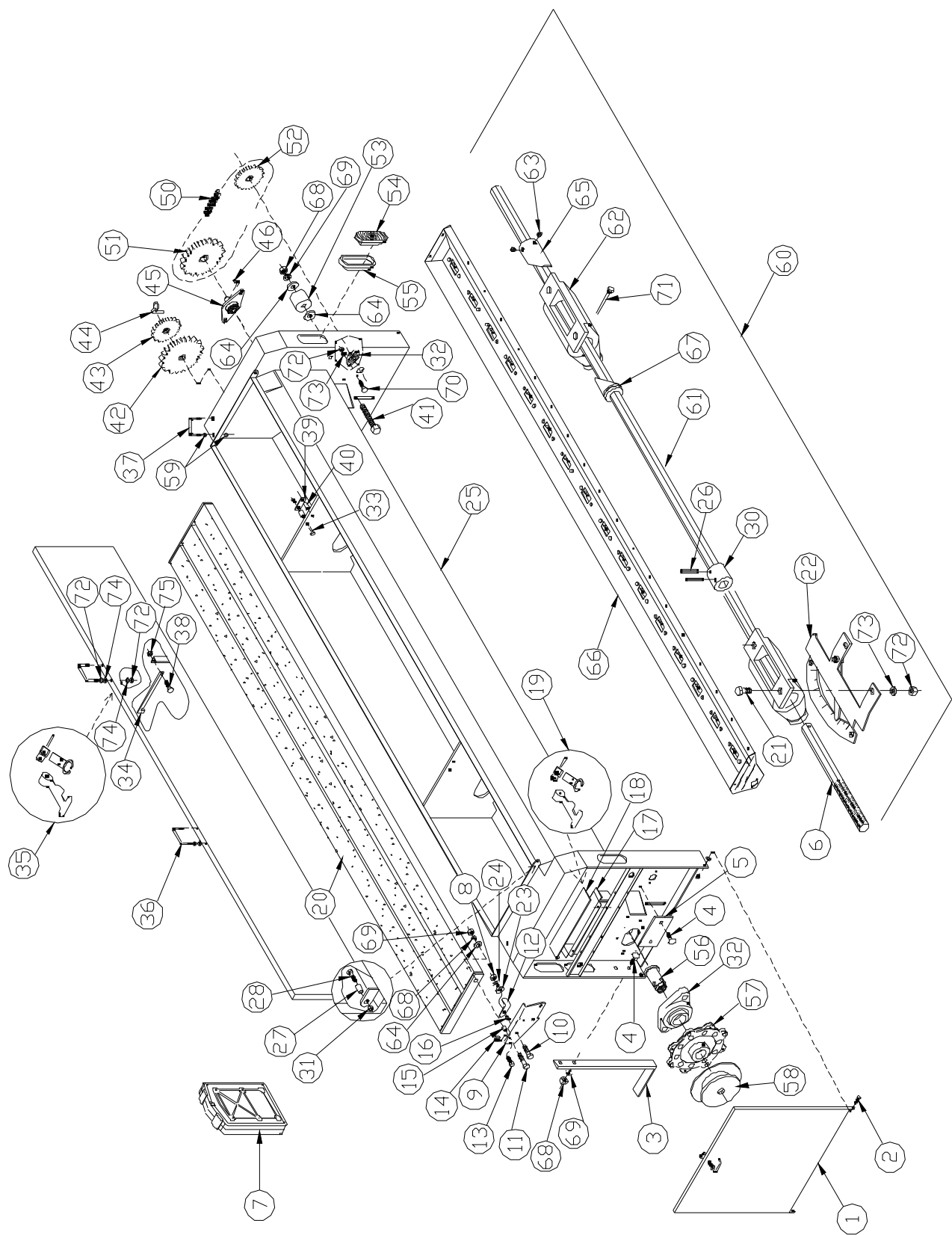
Grain Box 10'



Grain Box 10'

Item	Part No.	Description	Item	Part No.	Description
1	864140	Cover Shield Assembly	45	880971	Bearing Bracket Assembly
2	01158500	HHCS 3/8" x 1 1/4"	46	338392	Klik Pin 1/4"
3	215376	Ladder Step Plate	47		
4	01212000	Carriage Bolt 1/2" x 1 1/2"	48		
5	214239	Weight Door Plate	49		
6	310888	Hex Adjustment Shaft	50	431023	Chain 2050 x 41 Links
7	607416	Manual Holder	51	935106	Sprocket 2050 30T w/1" bore
8			52	935098	Sprocket 2050 25T w/1" bore
9	213702	Walkboard Bracket Right	53	571273	Nylon Idler
	213868	Walkboard Bracket Left	54	605527	Amber Light
10	01017300	HHCS 3/8" x 1"		605535	Red Light
11	335240	HHCS 1/2" x 1 3/4"	55	605709	Light Grommet
12	213645	Walkboard Lock Handle	56		
13	01029800	HHCS 1/2" x 1"	57	874834	Adjustment Handle
14	332197	Square Nut 1/2"	58	972851	Adjustment Lock Plate
15	150086	Walkboard Bushing	59	02016400	Flat washer 1/4"
16	149393	Quadrant Bushing	60		Box Bottom Assembly 10' Drill
17	257147	Tool Box		870519	10' x 7 1/2"
18	257154	Tool Box Lid		870535	10' x 10"
19	570606	Legume Lid Latch	61	311126	Hex Shaft
20	972760	Walkboard 10' Drill	62	550483	Cast Seed Cup
	Prior 2010		63	334516	Set Screw 1/4-28 x 1/4 Cone Pt
	956854	Walkboard 10' Drill	64	330159	Flat Washer 1/2"
21	01144500	HHCS 5/16" x 3/4"	65	550517	Wobble Slot Adj. Side Long
22	261883	Gauge Plate Mount	66		
23	330332	Lock Washer 3/4"	67	550525	Wobble Slot Half w/Groove
24			68	330134	Hex Nut 1/2"
25	964148	Grain Box 10' Drill	69	330142	Lock Washer 1/2"
26	337485	Roll Pin 3/16" x 1 1/4"	70	01010800	HHCS 5/16" x 1"
27	149385	Lid Bushing	71	601716	Wobble Slot Lock Bolt Pin
28	335703	HHCS 3/8" x 1 1/2"	72	330811	Hex Nut 5/16"
29	964403	Box Lid 10' Drill	73	330845	Lock Washer 5/16"
30	141895	Shaft Coupler	74	330852	Flat Washer 5/16"
31	312785	Adjustment Spool	75	331611	Hex Nylock Nut 5/16"
32	03001500	Bearing 1" Flange	76		Box Bottom Weldment
33	335133	HHCS 1/4" x 1 3/4"		964437	10' x 7 1/2"
34	221317	Lid Latch Bracket		964445	10' x 10"
35	570341	Drill Lid Latch w/Hook	77	330837	Hex Nylock Nut 3/8"
36	308122	Handle	78	330894	Flat Washer 3/8"
37	335737	U-bolt 5/8" x 4" x 3"	79	330043	Lock Washer 3/8"
38	01011600	HHCS 5/16" x 1 1/4"	80	330035	Hex Nut 3/8"
39	190942	Lid Latch			
40	145144	Lid Latch Spool			
41	333427	Bolt 1/2" x 3 1/2" All Thread			
42	954362	Sprocket 2050 44T w/1" bore			
43	954131	Sprocket 2050 18T w/1" bore			
44	330456	Klik Pin 3/16"			

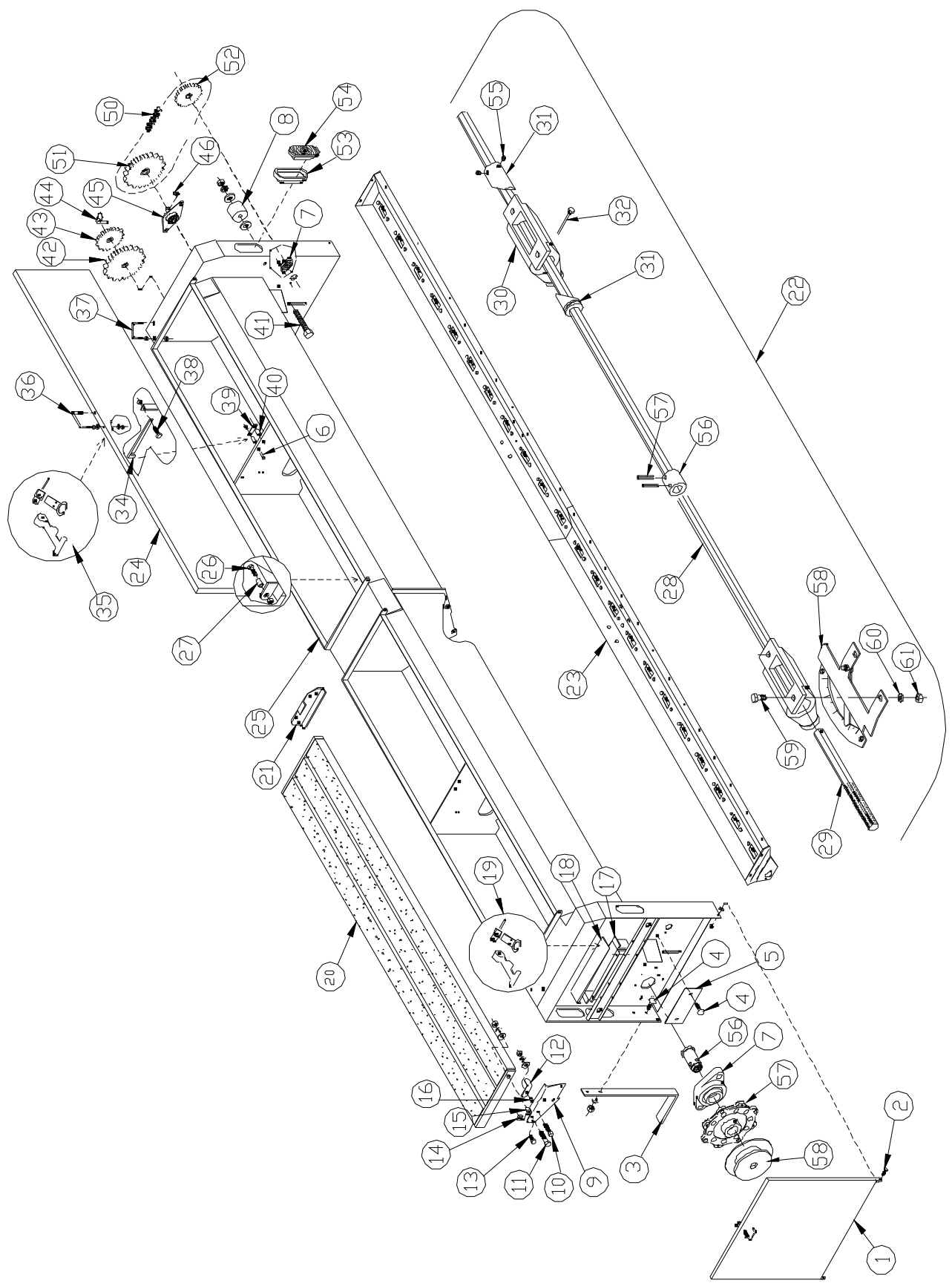
Grain Box
13'



Grain Box 13'

Item	Part No.	Description	Item	Part No.	Description
1	864140	Cover Shield Assembly	41	333427	Bolt ½" x 3½" All Thread
2	01158500	HHCS 3/8" x 1 1/4"	42	954362	Sprocket 2050 44T w/1" bore
3	215376	Ladder Step Plate	43	954131	Sprocket 2050 18T w/1" bore
4	01212000	Carriage Bolt ½" x 1½"	44	330456	Klik Pin 3/16"
5	214239	Weight Door Plate	45	880971	Bearing Bracket Assembly
6	310888	Hex Adjustment Shaft	46	338392	Klik Pin 1/4"
7	607416	Manual Holder	47		
8	330035	Hex Nut 3/8"	48		
9	213702	Walkboard Bracket Right	49		
	213868	Walkboard Bracket Left	50	431023	Chain 2050 x 41 Links
10	01017300	HHCS 3/8" x 1"	51	935106	Sprocket 2050 30T w/1" bore
11	335240	HHCS ½" x 1 3/4"	52	935098	Sprocket 2050 25T w/1" bore
12	213645	Walkboard Lock Handle	53	571273	Nylon Idler
13	01029800	HHCS ½" x 1"	54	605527	Amber Light
14	332197	Square Nut ½"		605535	Red Light
15	150086	Walkboard Bushing	55	605709	Light Grommet
16	149393	Quadrant Bushing	56	312785	Adjustment Spool
17	257147	Tool Box	57	874834	Adjustment Handle
18	257154	Tool Box Lid	58	972851	Adjustment Lock Plate
19	570606	Legume Lid Latch	59	330571	Hex Nut 5/8"
20	972786	Walkboard 13' Drill	60		Box Bottom Assembly 13' Drill
	Prior 2010:			875997	13' x 7 ½"
	970798	Walkboard 13' Drill		876003	13' x 10"
21	01144500	HHCS 5/16" x 3/4"	61	312298	Hex Shaft 141"
22	874552	Seed Gauge Assembly	62	550483	Cast Seed Cup
23	330894	Flat Washer 3/8"	63	334516	Set Screw 1/4-28 x 1/4 Cone Pt
24	330043	Lock Washer 3/8"	64	330159	Flat Washer ½"
25	970756	Grain Box 13' Drill	65	550517	Wobble Slot Adj. Side Long
26	337485	Roll Pin 3/16" x 1 1/4"	66		Box Bottom
27	149385	Lid Bushing		970764	13' x 7 ½"
28	335703	HHCS 3/8" x 1½"		970772	13' x 10"
29	970749	Box Lid 13' Drill	67	550525	Wobble Slot Half w/Groove
30	141895	Shaft Coupler	68	330134	Hex Nut ½"
31	330837	Nylock 3/8"	69	330142	Lock Washer ½"
32	03001500	Bearing 1" Flange	70	01010800	HHCS 5/16" x 1"
33	335133	HHCS 1/4" x 1 3/4"	71	601716	Wobble Slot Lock Bolt Pin
34	221317	Lid Latch Bracket	72	330811	Hex Nut 5/16"
35	570341	Drill Lid Latch w/Hook	73	330845	Lock Washer 5/16"
36	308122	Handle	74	330852	Flat Washer 5/16"
37	335737	U-bolt 5/8" x 4" x 3"	75	331611	Hex Nylock Nut 5/16"
38	01011600	HHCS 5/16" x 1 1/4"			
39	190942	Lid Latch			
40	145144	Lid Latch Spool			

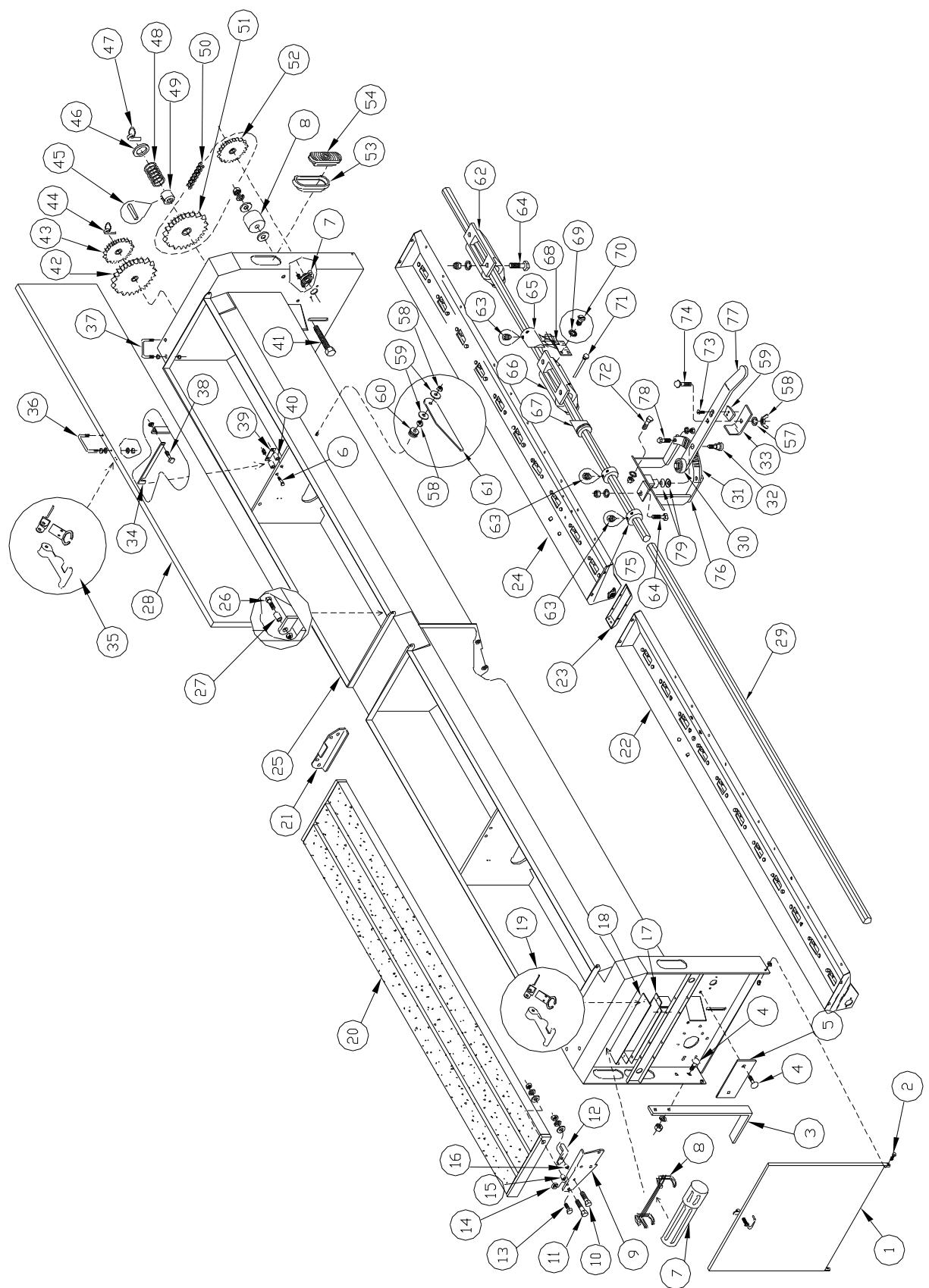
Grain Box
15'



Grain Box 15'

Item	Part No.	Description	Item	Part No.	Description
1	864140	Cover Shield Assembly	29		Hex Shaft
2	01145200	HHCS 3/8" x 3/4"		314039	7½" & 8" Spacing -175 53/64"
3	215376	Ladder Step Plate		314047	10" Spacing -175 1/64"
4	01212000	Carriage Bolt ½" x 1½"	30	550483	Cast Seed Cup
5	214239	Weight Door Plate	31	550517	Wobble Slot Adj. Side Long
6	335133	HHCS 1/4" x 1 3/4"	32	550525	Wobble Slot Half w/Groove
7	03001500	Bearing 1" w/2 bolt flange	33	601716	Wobble Slot Lock Bolt Pin
8	571273	Nylon Idler	34	221317	Lid Latch Bracket
9	213702	Walkboard Bracket Right	35	570341	Drill Lid Latch w/Hook
	213868	Walkboard Bracket Left	36	308122	Handle
10	01017300	HHCS 3/8" x 1"	37	335737	U-bolt 5/8" x 4" x 3"
11	335240	HHCS ½" x 1 3/4"	38	01011600	HHCS 5/16" x 1 1/4"
12	213645	Walkboard Lock Handle	39	190942	Lid Latch
13	01029800	HHCS ½" x 1"	40	145144	Lid Latch Spool
14	332197	Square Nut ½"	41	333427	Bolt ½" x 3½" All Thread
15	150086	Walkboard Bushing	42	954362	Sprocket 2050 44T w/1" bore
16	149393	Quadrant Bushing	43	954131	Sprocket 2050 18T w/1" bore
17	257147	Tool Box	44	330456	Klik Pin 3/16"
18	257154	Tool Box Lid	45	880971	Bearing Bracket Assembly
19	570606	Legume Lid Latch	46	338392	Klik Pin 1/4"
20	972745	Walkboard 15' Drill	47	312785	Adjustment Spool
	Prior 2010:		48	874834	Adjustment Handle
	956425	Walkboard 15' Drill	49	972851	Adjustment Lock Plate
21	213892	Walkboard Bracket Center Rt	50	431023	Chain 2050 x 41 Links
	214221	Walkboard Bracket Center Lt	51	935106	Sprocket 2050 30T w/1" bore
22		Box Bottom Assembly 15' Drill	52	935098	Sprocket 2050 25T w/1" bore
	863878	15' x 7½"	53	605709	Light Grommet
	863886	15' x 8"	54	605527	Amber Light
	863894	15' x 10"		605535	Red Light
23		Box Bottom Weldment	55	334516	Set Screw 1/4-28 x 1/4 Cone Pt
	956680	15' x 7½"	56	141895	Hex Shaft Coupler
	956698	15' x 8"	57	337485	Roll Pin 3/16" x 1 1/4"
	956706	15' x 10"	58	874552	Seed Gauge Assembly
24	957274	Box Lid 15' Drill	59	01144500	HHCS 5/16" x 3/4"
25	956771	Grain Box 15' Drill	60	330845	Lock Washer 5/16"
26	335703	HHCS 3/8" x 1½"	61	330811	Hex Nut 5/16"
27	149385	Lid Bushing			
28		Adjustment Shaft			
	314054	7½" & 8" Spacing -11 5/16"			
	314062	10" Spacing -12 1/8"			

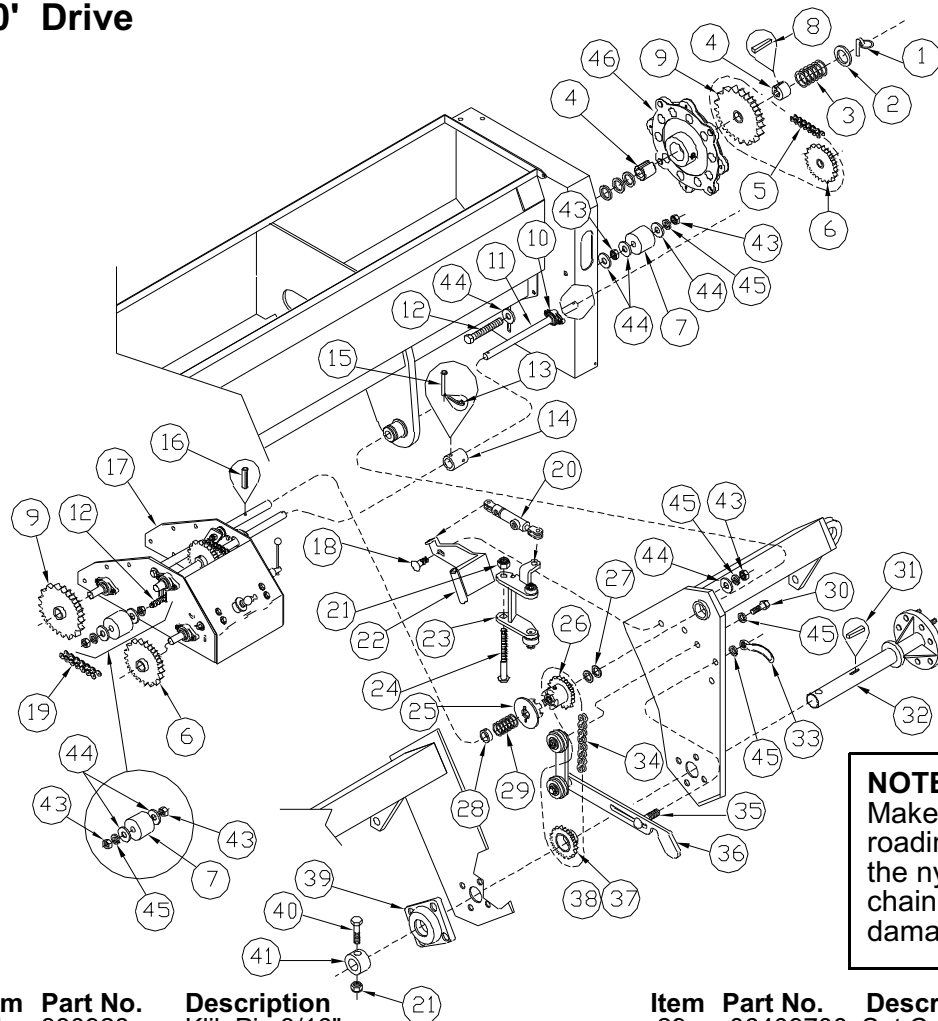
Grain Box 20'



Grain Box 20'

Item	Part No.	Description	Item	Part No.	Description
1	864140	Cover Shield Assembly	33	198903	Shifter Lever Hold-Down
2	01145200	HHCS 3/8" x 3/4"	34	221317	Lid Latch Bracket
3	215376	Ladder Step Plate	35	570341	Drill Lid Latch w/Hook
4	01212000	Carriage Bolt 1/2" x 1 1/2"	36	308122	Handle
5	214239	Weight Door Plate	37	335737	U-bolt 5/8" x 4" x 3"
6	335133	HHCS 1/4" x 1 3/4"	38	01011600	HHCS 5/16" x 1 1/4"
7	03001500	Bearing 1" w/2 bolt flange	39	190942	Lid Latch
8	571273	Nylon Idler	40	145144	Lid Latch Spool
9	213702	Walkboard Bracket Right	41	333427	Bolt 1/2" x 3 1/2" All Thread
	213868	Walkboard Bracket Left	42	954362	Sprocket 2050 44T w/1" bore
10	01017300	HHCS 3/8" x 1"	43	954131	Sprocket 2050 18T w/1" bore
11	335240	HHCS 1/2" x 1 3/4"	44	330456	Klik Pin 3/16"
12	213645	Walkboard Lock Handle	45	602367	Key 1/4" x 1"
13	01029800	HHCS 1/2" x 1"	46	332528	Mach Bushing
14	332197	Square Nut 1/2"			1 1/4" x 3/4" x 18ga
15	150086	Walkboard Bushing	47	330928	Klik Pin 7/16"
16	149393	Quadrant Bushing	48	500330	Spring
17	257147	Tool Box	49	309062	Hex Sprocket Adapter
18	257154	Tool Box Lid	50	431023	Chain 2050 x 41 Links
19	570606	Legume Lid Latch	51	935106	Sprocket 2050 30T w/1" bore
20	972760	Walkboard 20' Drill	52	935098	Sprocket 2050 25T w/1" bore
	Prior 2010:		53	605709	Light Grommet
	956854	Walkboard 20' Drill	54	605527	Amber Light
21	213892	Walkboard Bracket Center Rt		605535	Red Light
	214221	Walkboard Bracket Center Lt	55	330043	Lock washer 3/8"
22		Box Bottom Assembly 20' Drill	56	334847	Wing Nut 3/8"
	868977	20' x 7 1/2" Right	57	550772	Slot Match Plate
	863985	20' x 8" Right	58	332205	Hex Nut 1/4"
	863993	20' x 10" Right	59	02016400	Flat washer 1/4"
		Box Bottom Weldment	60	605659	Grommet 1/4 x 5/8 x 11/32
	956862	20' x 7 1/2" Right	61	961961	Seed Gauge Pointer
	956888	20' x 8" Right	62	550483	Cast Seed Cup
	956904	20' x 10" Right	63	334516	Set Screw 1/4-28 x 1/4 Cone Pt
23	257279	Center Brg Mount Plt 20' Drill	64	01144500	HHCS 5/16" x 3/4"
24		Box Bottom Assembly 20' Drill	65	550517	Wobble Slot Adj. Side Long
	864165	20' x 7 1/2" Left	66	550616	Cast Seed Cup for Gauge Plt
	864173	20' x 8" Left	67	550525	Wobble Slot Half w/Groove
	864181	20' x 10" Left	68	601724	Seed Slot Adj. Gauge Plate
		Box Bottom Weldment	69	334565	Lock washer #8 Internal Tooth
	956870	20' x 7 1/2" Left	70	334557	Machine Screw #8 x 1/4 Round
	956896	20' x 8" Left	71	601716	Wobble Slot Lock Bolt Pin
	956912	20' x 10" Left	72	333542	HHCS 5/16" x 5/8"
25	956839	Grain Box 20' Drill	73	334490	Machine Screw 1/4" x 5/8"
26	335703	HHCS 3/8" x 1 1/2"	74	332940	Carriage Bolt 3/8" x 2"
27	149385	Lid Bushing	75	146090	Wobble Slot Adj. Collar
28	957282	Box Lid 20' Drill	76	956672	Slot Adjustment Bracket
29	309799	Hex Shaft 122 1/4" 20' Drill	77	957084	Slot Adj Bracket Handle
30	401042	Bearing	78	01011600	HHCS 5/16" x 1 1/4"
31	550764	Slot Rack Plate	79	501320	Belleville Washer Springs
32	335299	Shoulder Bolt 1/2" x 1/2" Socket Head			

10' Drive



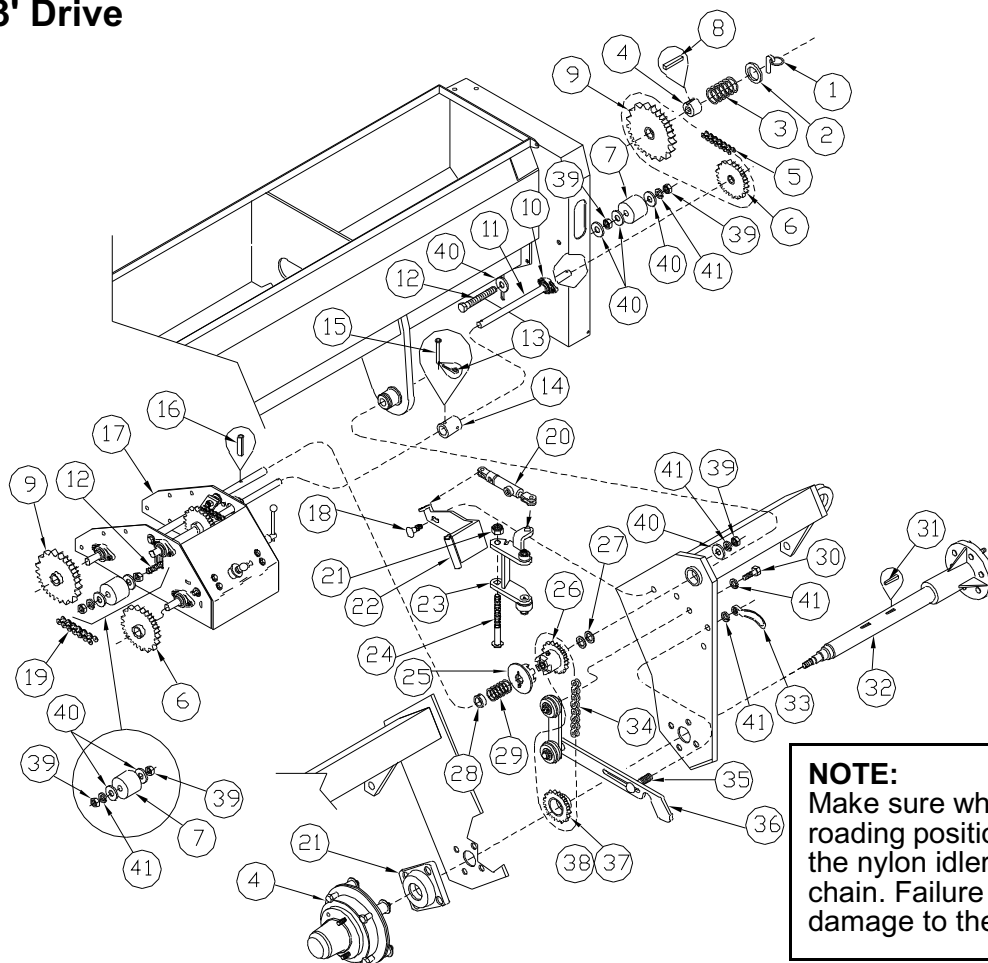
Item	Part No.	Description
1	330928	Klik Pin 3/16"
2	332528	Machine Bush 1 1/4" x 3/4 x 18ga
3	500330	Spring 1 1/2"
4	309062	Hex Sprocket Adapter
5	431023	Chain 2050 41 Links (See Page 17)
6	935098	Sprocket 2050 25T w/1" bore
7	571273	Nylon Idler
8	602367	Key 1/4" x 1"
9	935106	Sprocket 2050 30T w/1" bore
10	03001500	Bearing 1" 2 bolt Flange
11	309714	Extension Shaft
12	333427	All Thread Bolt 1/2" x 3 1/2"
13	337071	Cotter Pin 3/32" x 1/2"
14	150334	Adapter Sleeve
15	335349	Clevis Pin 1/4" x 1 5/8"
16	334813	Roll Pin 5/16" x 1 1/2"
17	870402	10' Gear Box Assembly
18	333484	Carriage Bolt 1/2" x 6"
19	431239	Chain 2050 27 Links (See Page 17)
20	471854	Cylinder 1" x 2"
21	331363	Hex Nylock Nut 1/2"
22	963603	Clutch Bracket Mount
23	870121	Clutch Lever Assy
24	335364	Carriage Bolt 1/2" x 6" Gr 5
25	860825	Throw-out Clutch Half Assembly
26	863795	Drive Clutch Sprocket Assy-20T (7 1/2" & 10" Spacing)
27	335026	Machine Bushing 1 1/2" x 1 x 14ga
28	501031	Spring 2 3/4"

Item	Part No.	Description
29	06409700	Set Collar 1" Steel
30	01147800	HHCS 1/2" x 1 1/2" Gr 5
31	310656	Key 3/16" x 1 1/2"
32	964288	10' Wheel Spindle
33	337352	Handle Nut 1/2"-13 x 4 1/2"
34	431825	Chain 2050 47 Links (See Page 17)
35	01140300	Carriage Bolt 1/2" x 2 Gr 5
36	864157	Wheel Idler Assy (See Page 41)
37	954370	Hub Drive Sprocket 2050 18T (7 1/2" 10" Spacing)
38	334516	Set Screw 1/4-28 x 1/4 Cone Point
39	403279	Bearing 2" 4B (5 1/8" center)
	403287	Insert for #403279
40	330092	HHCS 1/2" x 4"
41	145623	Spindle Bushing
42	331363	Hex Nylock Nut 1/2"
43	330134	Hex Nut 1/2"
44	330159	Flat washer 1/2"
45	330142	Lock washer 1/2"
46	874834	Adjustment Handle

Sensor Replacement Parts

607119	Bin Sensor Kit
607135	Shaft Sensor Kit
609115	4610, 4613 & 4615 Branch Cable
609107	25' 10 Pin Cable
607218	Console Mount Kit
607127	Monitor Console
609123	4610, 4613 & 4615 Sensor Kit

13' Drive



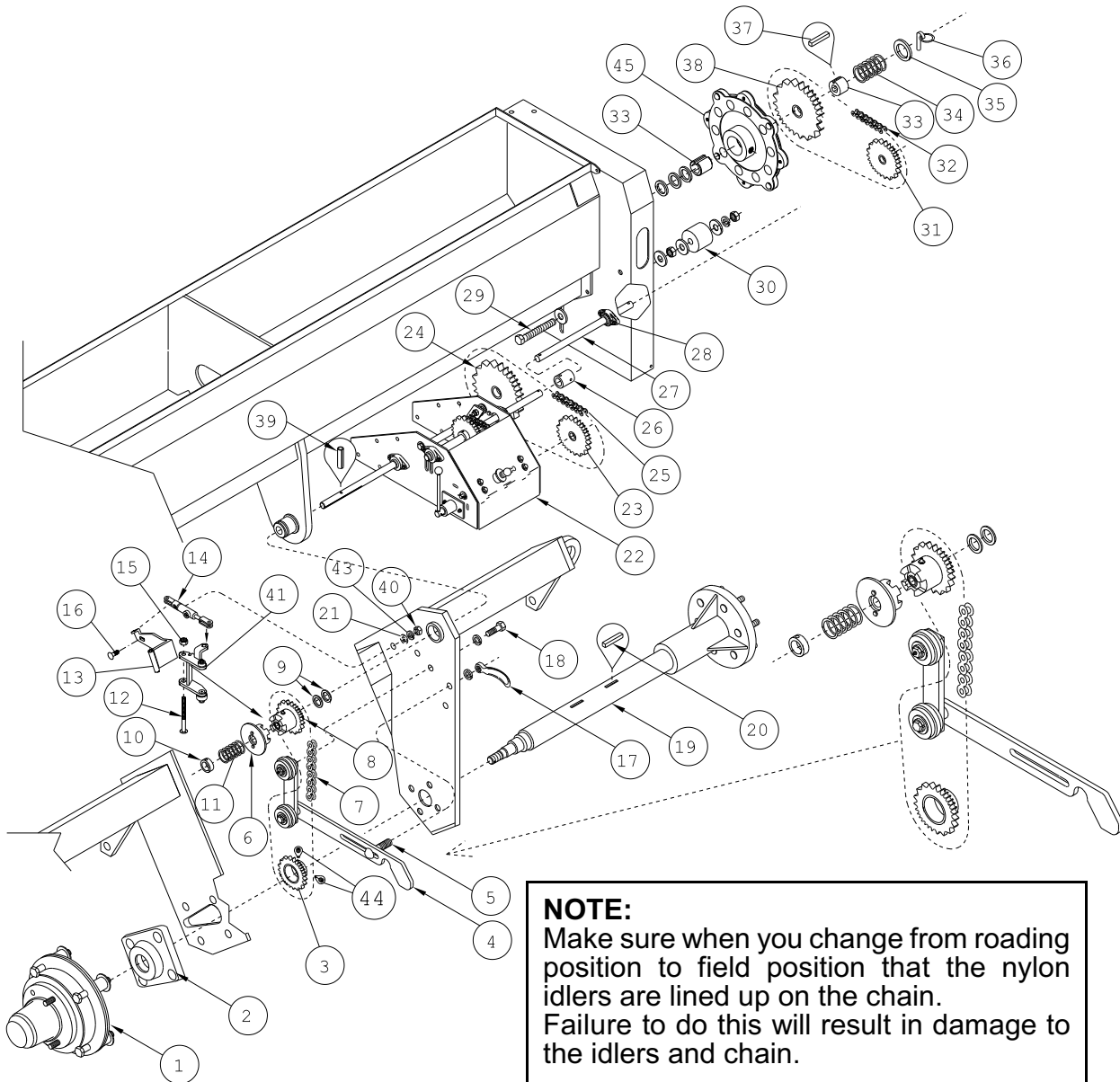
Item	Part No.	Description
1	330928	Klik Pin 3/16"
2	332528	Machine Bush 1 1/4" x 3/4 x 18ga
3	500330	Spring 1 1/2"
4	870196	Clutch Assembly
5	431023	Chain 2050 41 Links (See Page 17)
6	935098	Sprocket 2050 25T w/1" bore
7	571273	Nylon Idler
8	602367	Key 1/4" x 1"
9	935106	Sprocket 2050 30T w/1" bore
10	03001500	Bearing 1" 2 bolt Flange
11	312314	Extension Shaft
12	333427	All Thread Bolt 1/2" x 3 1/2"
13	337071	Cotter Pin 3/32" x 1/2"
14	150334	Adapter Sleeve
15	335349	Clevis Pin 1/4" x 1 5/8"
16	334813	Roll Pin 5/16" x 1 1/2"
17	875989	13' Gear Box Assembly
18	333484	Carriage Bolt 1/2" x 6"
19	431239	Chain 2050 27 Links (See Page 17)
20	471854	Cylinder 1" x 2"
21	403279	Bearing 2" 4B (5 1/8" center)
22	403287	Insert for #403279
23	963603	Clutch Bracket Mount
24	870121	Clutch Lever Assy
25	335364	Carriage Bolt 1/2" x 6" Gr 5
26	860825	Throw-out Clutch Half Assembly
27	863795	Drive Clutch Sprocket Assy-20T (7 1/2" & 10" Spacing)
27	335026	Machine Bushing 1 1/2" x 1 x 14ga

Item	Part No.	Description
28	501031	Spring 2 3/4"
29	06409700	Set Collar 1" Steel
30	01147800	HHCS 1/2" x 1 1/2" Gr 5
31	310656	Key 3/16" x 1 1/2"
32	961532	Wheel Spindle
33	337352	Handle Nut 1/2"-13 x 4 1/2"
34	431825	Chain 2050 47 Links (See Page 17)
35	01140300	Carriage Bolt 1/2" x 2 Gr 5
36	864157	Wheel Idler Assy (See Page 41)
37	954370	Hub Drive Sprocket 2050 18T (7 1/2" 10" Spacing)
38	334516	Set Screw 1/4-28 x 1/4 Cone Point
39	330134	Hex Nut 1/2"
40	330159	Flat washer 1/2"
41	330142	Lock washer 1/2"
42	331363	Hex Nylock Nut 1/2"

Sensor Replacement Parts

607119	Bin Sensor Kit
607135	Shaft Sensor Kit
609115	4610, 4613 & 4615 Branch Cable
609107	25' 10 Pin Cable
607218	Console Mount Kit
607127	Monitor Console
609123	4610, 4613 & 4615 Sensor Kit

15' Drive



15' Drive

Item	Part No.	Description	Item	Part No.	Description
1	870196	Clutch Assembly (Shown below)	23	935098	Sprocket 2050 25T w/1" bore
2	403279	Bearing 2" 4B (5 1/8" center)	24	935106	Sprocket 2050 30T w/1" bore
	403287	Insert for #403279	25	431239	Chain 2050 27 Links (See Page 17)
	400739	Bearing 2" 4B (4 3/8" center)	26	150334	Adapter Sleeve
	400994	Insert for #400739	27	309714	Extension Shaft
3	954370	Hub Drive Sprocket 2050 18T (7 1/2" & 8" Spacing)	28	03001500	Bearing 1" 2B Flange
	953216	Hub Drive Sprocket 2050 25T (10" Spacing)	29	333427	All Thread Bolt 1/2" x 3 1/2" Gr 5
4	864157	Wheel Idler Assy (See Page 41)	30	571273	Nylon Idler
5	01140300	Carriage Bolt 1/2" x 2 Gr 5	31	935098	Sprocket 2050 25T w/1" bore
6	860825	Throw-out Clutch Half Assembly	32	431023	Chain 2050 41 Links (See Page 17)
7	431825	Chain 2050 47 Links (See Page 17)	33	309062	Hex Sprocket Adapter
8	863795	Drive Clutch Sprocket Assy-20T (7 1/2" & 10" Spacing)	34	500330	Spring 1 1/2"
	863787	Drive Clutch Sprocket Assy-18T (8" Spacing)	35	332528	Machine Bush 1 1/4" x3/4 x18ga
9	335026	Machine Bushing 1 1/2" x1 x14ga	36	330928	Klik Pin 3/16"
10	06409700	Set Collar 1" Steel	37	602367	Key 1/4" x 1"
11	501031	Spring 2 3/4"	38	935106	Sprocket 2050 30T w/1" bore
12	335364	Carriage Bolt 1/2" x 6" Gr 5	39	334813	Roll Pin 5/16" x 1 1/2"
13	963603	Clutch Bracket Mount	40	330134	Hex Nut 1/2"
14	471854	Cylinder 1" x 2"	41	870121	Clutch Lever Assy
15	331363	Nylock Nut 1/2"	42	334110	Hex Jam Nylock Nut 1/2"
16	333484	Carriage Bolt 1/2" x 1 3/4"	43	330142	Lock washer 1/2"
17	337352	Handle Nut 1/2-13" x 4 1/2"	44	334516	Set Screw 1/4-28 x1/4 Cone Point
18	01147800	HHCS 1/2" x 1 1/2" Gr 5	45	874834	Adjustment Handle
19	961532	Wing Spindle (Stress Proof)			
20	310656	Key 3/16" x 1 1/2"			
21	330159	Flat washer 1/2"			
22	863910	Gear Box Assembly			

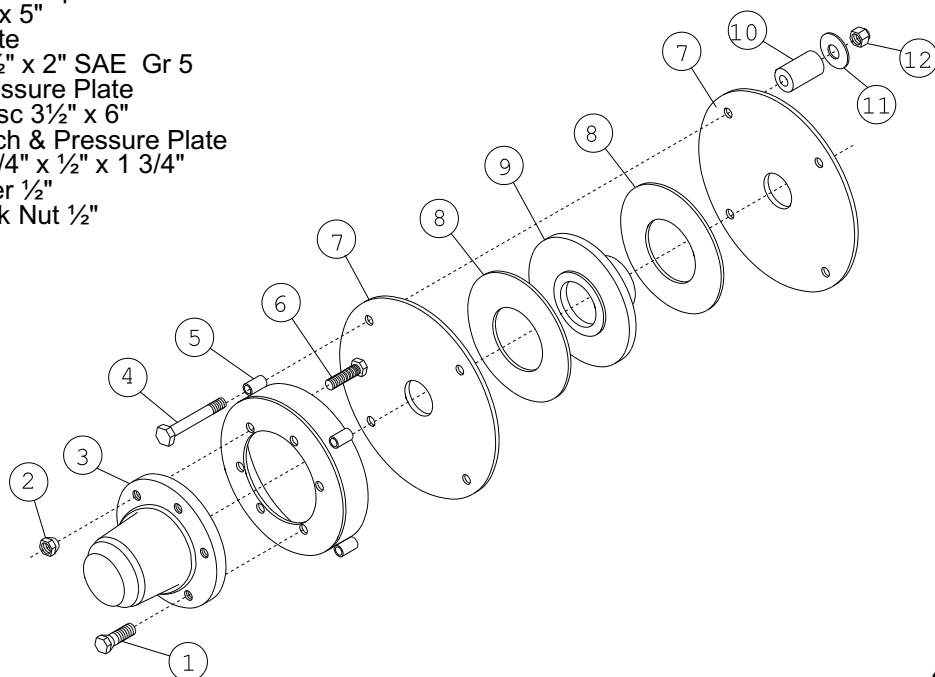
Sensor Replacement Parts

607119	Bin Sensor Kit
607135	Shaft Sensor Kit
609115	4610, 4613 & 4615 Branch Cable
609107	25' 10 Pin Cable
607218	Console Mount Kit
607127	Monitor Console
609123	4610, 4613 & 4615 Sensor Kit

Clutch Assembly #870196

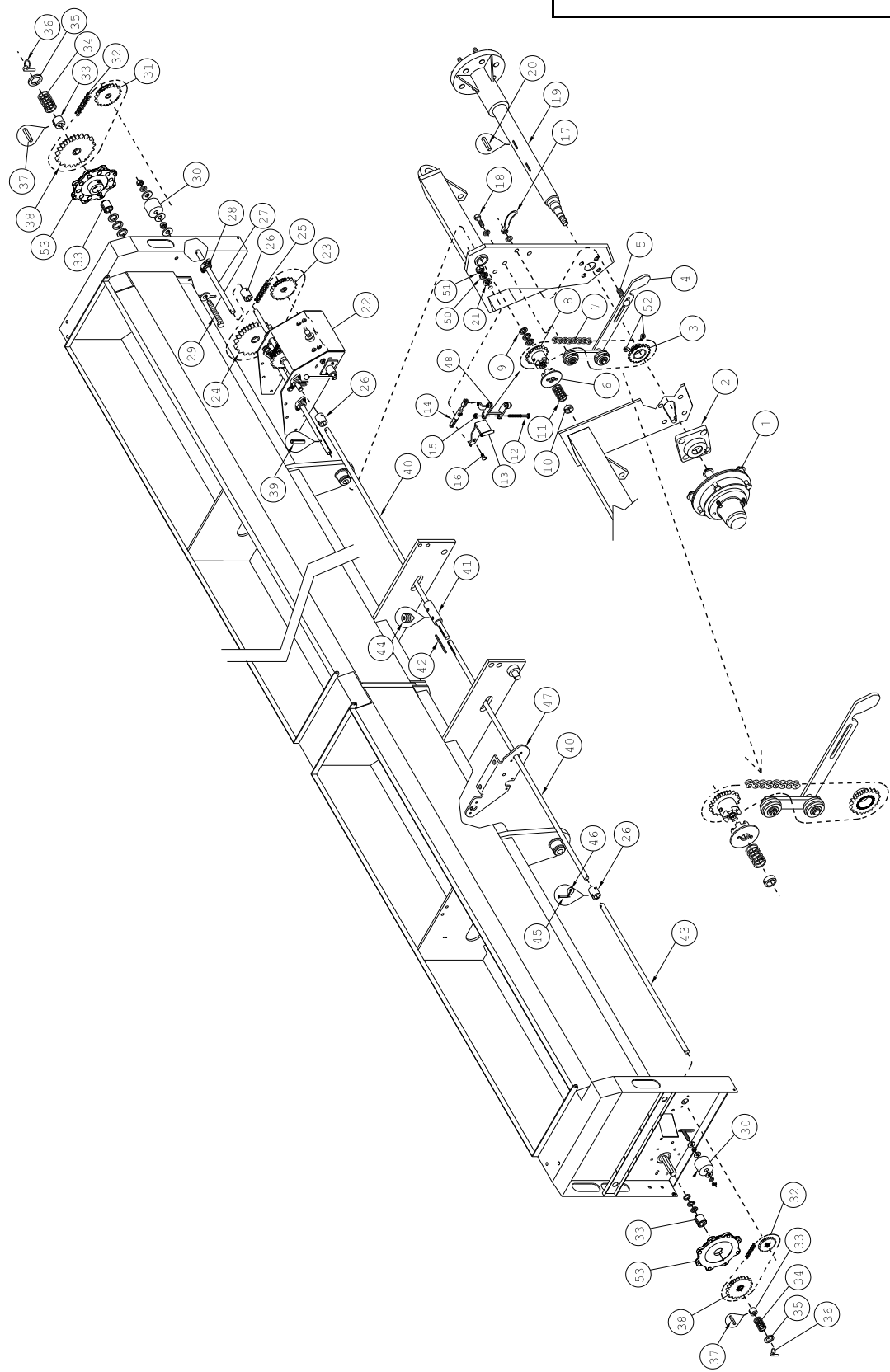
Item	Part No.	Description
*1	330464	Wheel Bolt 1/2" x 1 3/4" SAE
*2	331314	Wheel Nut 1/2"-20 90°
3	551291	Q783 Hub Complete less bolts
4	01225200	HHCS 1/2" x 5"
5	963835	Clutch Plate
6	337139	Tap Bolt 1/2" x 2" SAE Gr 5
7	222612	Clutch Pressure Plate
8	08476400	Friction Disc 3 1/2" x 6"
9	963827	Drive Clutch & Pressure Plate
10	502286	Spring 1 1/4" x 1/2" x 1 3/4"
11	330159	Flat washer 1/2"
12	331363	Hex Nylock Nut 1/2"

*Not included in assembly



20' Drive

NOTE:
Make sure when you change from roading position to field position that the nylon idlers are lined up on the chain.
Failure to do this will result in damage to the idlers and chain.

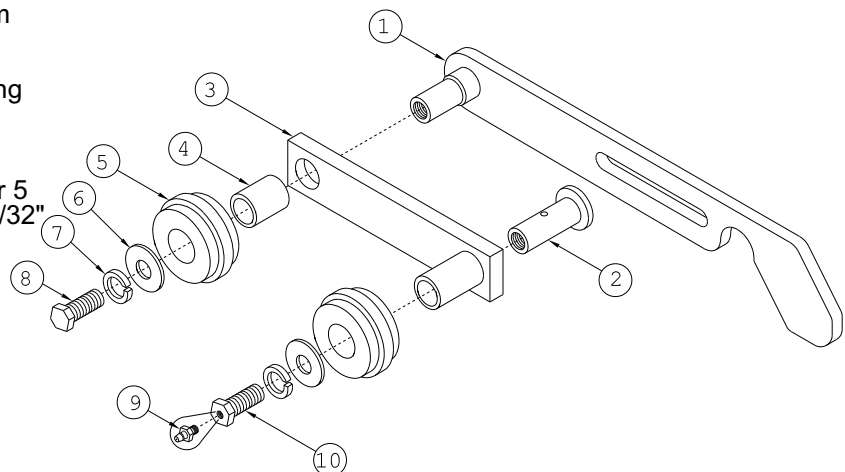


20' Drive

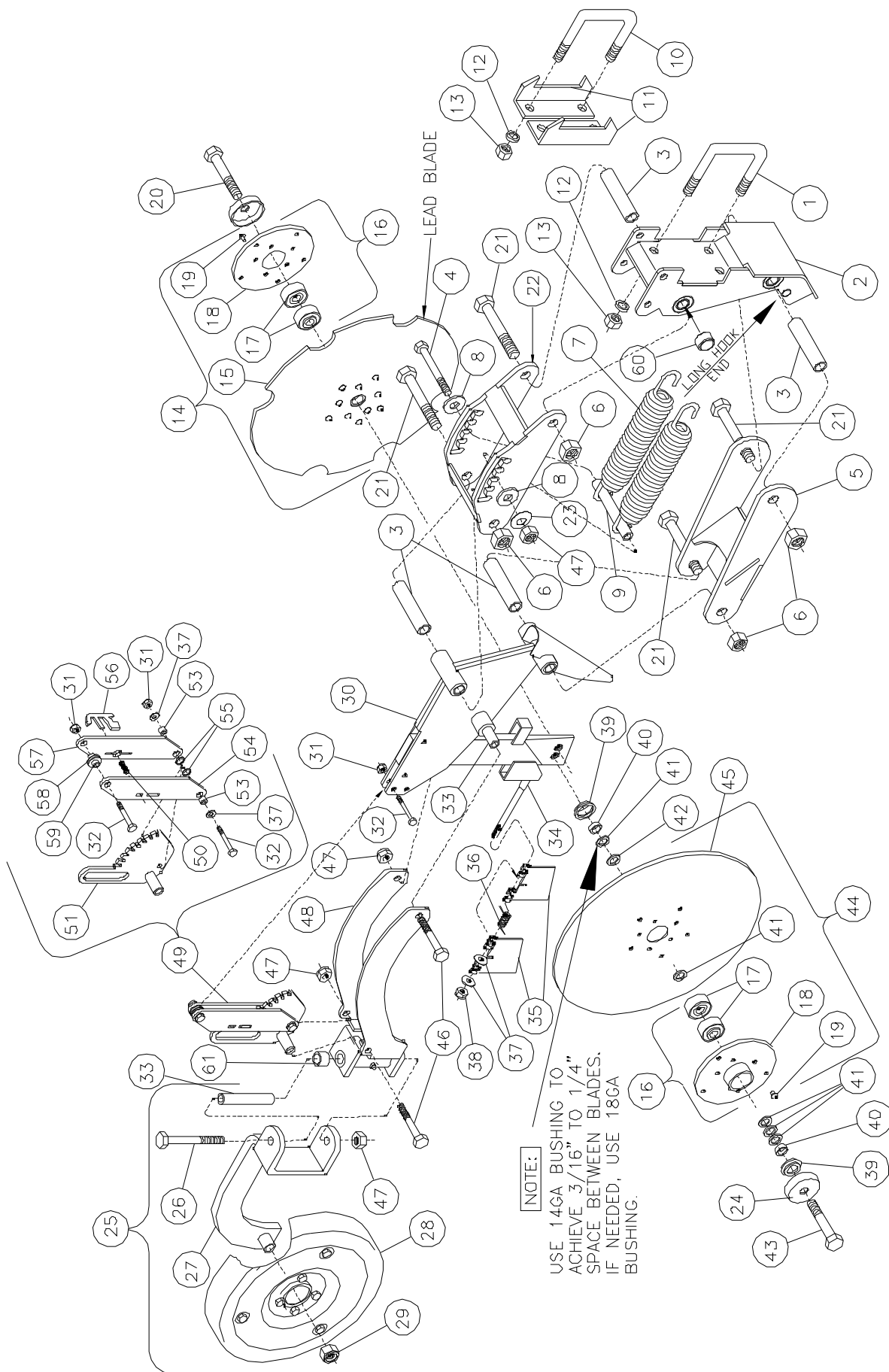
Item	Part No.	Description	Item	Part No.	Description
1	870196	Clutch Assembly (<i>Shown below</i>)	27	309714	Extension Shaft
2	403279	Bearing 2" 4B (5 1/8" center)	28	03001500	Bearing 1" 2B Flange
	403287	Insert for #403279	29	333427	All Thread Bolt 1/2" x 3 1/2" Gr 5
	400739	Bearing 2" 4B (4 3/8" center)	30	571273	Nylon Idler
	400994	Insert for #400739	31	935098	Sprocket 2050 25T w/1" bore
3	954370	Hub Drive Sprocket 2050 18T (7 1/2" & 8" Spacing)	32	431023	Chain 2050 41 Links (<i>See Page 17</i>)
	953216	Hub Drive Sprocket 2050 25T (10" Spacing)	33	309062	Hex Sprocket Adapter
4	864157	Wheel Idler Assy (<i>See Page 41</i>)	34	500330	Spring 1 1/2"
5	01140300	Carriage Bolt 1/2" x 2 Gr 5	35	332528	Machine Bush 1 1/4" x 3/4 x 18ga
6	860825	Throw-out Clutch Half Assembly	36	330928	Klik Pin 3/16"
7	431825	Chain 2050 47 Links (<i>See Page 17</i>)	37	602367	Key 1/4" x 1"
8	863795	Drive Clutch Sprocket Assy-20T (7 1/2" & 10" Spacing)	38	935106	Sprocket 2050 30T w/1" bore
	863787	Drive Clutch Sprocket Assy-18T (8" Spacing)	39	334813	Roll Pin 5/16" x 1 1/2"
9	335026	Machine Bushing 1 1/2" x1 x14ga	40	309765	Drive Shaft 75 1/2"
10	06409700	Set Collar 1" Steel	41	150342	Connector Spool
11	501031	Spring 2 3/4"	42	605683	Key 1/4 x 4 1/2"
12	335364	Carriage Bolt 1/2" x 6" Gr 5	43	309773	Drive Shaft 54 1/8"
13	963603	Clutch Bracket Mount	44	01139500	Set Screw 3/8-16 x 3/8" Star Cup
14	471854	Cylinder 1" x 2"	45	335349	Clevis Pin 1/4" x 1 5/8"
15	331363	Nylock Nut 1/2"	46	337071	Cotter Pin 3/32" x 1/2"
16	333484	Carriage Bolt 1/2" x 1 3/4"	47	215871	20' Bearing Plate
17	337352	Handle Nut 1/2-13" x 4 1/2"	48	870121	Clutch Lever Assy
18	01147800	HHCS 1/2" x 1 1/2" Gr 5	49	334110	Hex Jam Nylock Nut 1/2"
19	961532	Wing Spindle (Stress Proof)	50	330142	Lock washer 1/2"
20	310656	Key 3/16" x 1 1/2"	51	330134	Hex nut 1/2"
21	330159	Flat washer 1/2"	52	334516	Set Screw 1/4-28 x 1/4 Cone Point
22	863910	Gear Box Assembly	53	874834	Adjustment Handle
23	935098	Sprocket 2050 25T w/1" bore	Sensor Replacement Parts		
24	935106	Sprocket 2050 30T w/1" bore	607119	Bin Sensor Kit	
25	431239	Chain 2050 27 Links (<i>See Page 17</i>)	607135	Shaft Sensor Kit	
26	150334	Adapter Sleeve	609149	4620 Branch Cable	
			609107	25' 10 Pin Cable	
			607218	Console Mount Kit	
			607127	Monitor Console	
			609131	4620 Sensor Kit	

Wheel Idler Assembly # 864157

Item	Part No.	Description
1	957134	Wheel Slotted Arm
2	309740	Rear Shaft Idler
3	957126	Wheel Idler Arm
4	150235	Front Shaft Bushing
5	571075	Nylon Chain Idler
6	330159	Flatwasher 1/2"
7	330142	Lockwasher 1/2"
8	01029800	HHCS 1/2" x 1" Gr 5
9	600346	Zerk 1/4"-28 x 17/32"
10	337394	HHCS 1/2" x 1" w/zerk hole



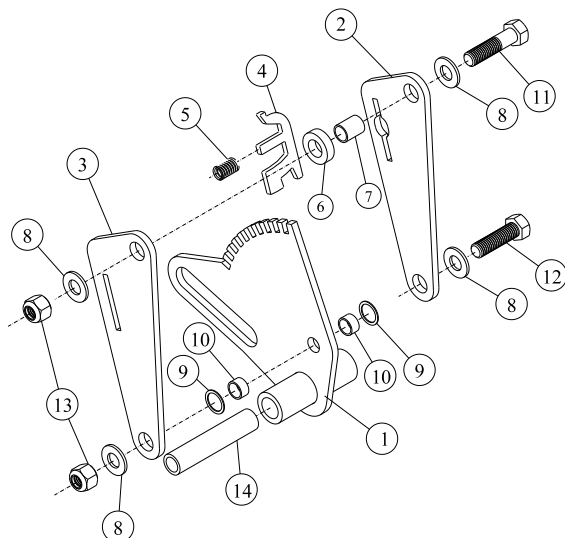
All Plant Opener Assembly



All Plant Opener Assembly

Item	Part No.	Description	Item	Part No.	Description
	871004	Right Short Opener Assembly	28	531095	Presswheels
	871012	Left Short Opener Assembly		530667	2" x 13" w/Smooth Sides (shown)
	871020	Right Long Opener Assembly		531111	2" x 13" Peaked w/Smooth Sides
	871038	Left Long Opener Assembly		531483	3" x 13" Center Rib
		Items #10,11,13,24-29 & 61-65 are NOT included in assembly		531541	3" x 15" V-Type
1		U-Bolt w/Lock washer & Hex nut	29	01572700	3" x 13" Dual Rib
	335737	U-Bolt 5/8" x 4" x 3" (2x4 Tube)		01572700	Hex Nylock Nut 5/8"
	337147	U-Bolt 5/8" x 4" x 5" (4x4 Tube)	30	964817	Long Opener -- Left (shown)
2	964692	Opener Mounting Bracket		964809	Long Opener -- Right
3	152561	Opener Arm Bushing		964791	Short Opener -- Left
4	337972	HHCS 1/2" x 6"		964783	Short Opener -- Right
5	964726	Lower Arm	31	330837	Hex Nylock Nut 3/8"
6	01015700	Center Lock Nut 3/4"	32	338624	HHCS 3/8" x 1 3/4" Gr 8
7	502294	Opener Extension Spring			W/Hex Nylock Nut
8	330159	Flat Washer 1/2"	33	148999	Bushing 3 19/32"
9	152611	Spring Bushing	34	150045	Scraper Bushing 1 3/8"
10	337469	U-Bolt 5/8" x 4" x 6 1/2"	35	257048	Scraper Plate
11	243857	Offset Mounting Plate	36	502146	Scraper Spring - Left (shown)
12	330878	Lock Washer 5/8"		502153	Scraper Spring - Right
13	330571	Hex Nut 5/8"	37	330852	Flat Washer 5/16"
14	845925	Double Disc Blade Assy- 6 notch	38	336909	Hex Nylock Jam Nut 3/8"
		Includes #15,16, & 19	39	400747	Neoprene Dust Seal
15	502633	Blade 16" x 4mm Notched	40	606558	Bushing 1" OD
16	636761	Bearing & Flange Sub-Assembly	41	330720	Machine Bush 1 1/8 x 5/8 x 14ga
		Includes #17 & 18	42	333351	Machine Bush 1 1/8 x 5/8 x 18ga
17	401042	Bearing	43	335620	HHCS 5/8" x 3" Gr 5
18	980037	Bearing Flange	44	845917	Double Disc Blade Assy -- Plain
19	601351	Rivet 5/16" x 1/2" Button Head			Includes 16,19, & 45
20	335596	HHCS 5/8" x 3" Gr 8 Left Hand	45	502641	Blade 16" x 4mm Plain
21	334466	HHCS 3/4" x 6"	46	337865	HHCS 1/2" x 4 1/2" Gr 8
22	964718	Upper Arm			w/Hex Nylock Nut
23	502302	Curved Spring Washer	47	03223500	Reversible Lock Nut 1/2" Gr 8
24	278317	Dust Seal Cap	48	964908	Presswheel Swivel Bracket
25		Presswheel Arm Assembly	49	871061	Quadrant Sub-Assembly 2006
		Includes #26-29, 33,47		881631	Quadrant Sub-Assembly 2018
	859967	Single 3x14 V-Type	50	502310	Quadrant Spring 1 1/4
	874362	Single 3x13 Center Rib	51	964874	Quadrant Handle
	874354	Single 3x13 Dual Rib	52		
	859991	Single 2x13 Peaked	53	149393	Bushing 5/16"
	860007	Single 2x13 (Shown)	54	224014	Quadrant Strap Right
26	338053	HHCS 1/2" x 5" Gr 8	55	337063	Nylon Washer 11/16"OD x 1/2"ID
27	954636	Presswheel Arm	56	224030	Quadrant Lock Latch
			57	224022	Quadrant Strap Left
			58	604504	Rubber Grommet 1/2" ID x 1" OD
			59	149385	Quadrant Bushing 3/4"
			60	606699	Spring Bushing 1" ID
					Included in #964692
			61	605907	Spring Bushing 3/4" ID
					Included in #964908

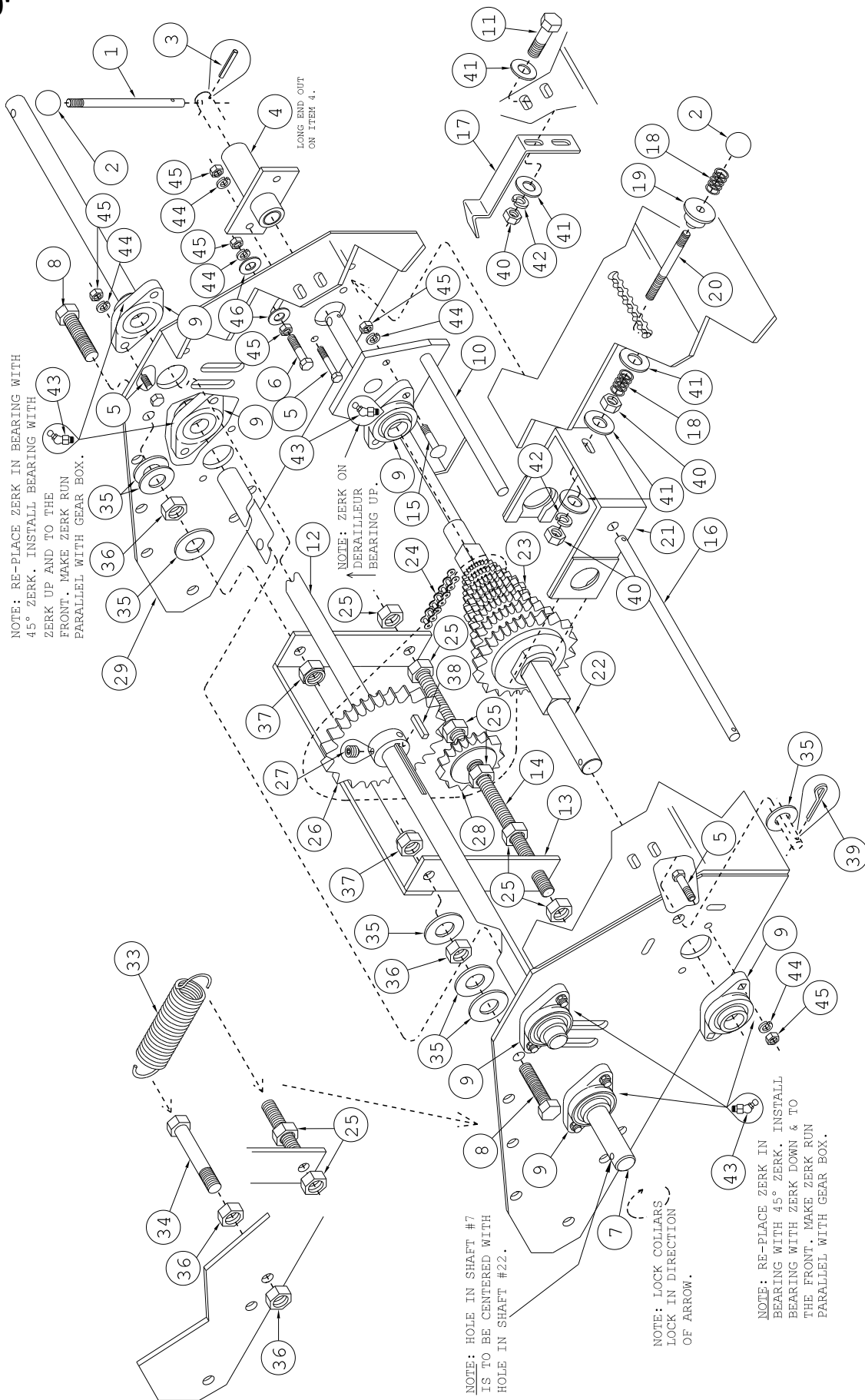
#881631 Quadrant 2018



Item	Part No.	Description
1	979450	Quadrant Handle
2	249201	Quadrant Strap Right
3	249219	Quadrant Strap Left
4	224030	Quadrant Lock Latch
5	502310	Quadrant Spring
6	615740	Rubber Grommet 5/8" IDx5/16
7	615724	Bushing 1/2"ID x 25/32"
8	330159	Flat Washer 1/2"
9	615732	Bushing 1/2"ID x .33
10	572503	Nylon Bushing
11	331926	HHCS 1/2" x 2"
12	335240	HHCS 1/2" x 1 3/4"
13	331363	Nylock 1/2"
14	148999	Bushing 1/2"ID x 3 19/32

Gear Box Assembly

10'



Gear Box Assembly 10'

Item	Part No.	Description	Item	Part No.	Description
1	309088	Handle Shaft	17	211896	Derailleur Spring Catch Plate
2	604611	Plastic Ball Knob 3/8" -16 T.P.I.	18	502161	Knob Spring
3	334581	Roll Pin 5/32" x 7/8"	19	309138	Shift Lock
4	860908	Derailleur Clutch Mount Assy	20	309104	Adjustment Handle Shaft
5	01010800	HHCS 5/16" x 1" Gr 5	21	954347	Sprocket Cluster Bracket
	330845	Lockwasher 5/16"	22	309054	Cluster Shaft
	330811	Hex Nut 5/16"	23	432708	Sprocket Cluster
6	02300200	HHCS 5/16 x 2" Gr 5	24	432542	Chain #40 x 64 Pitches Complete
	330845	Lockwasher 5/16"	25	330571	Hex Nut 5/8"
	330811	Hex Nut 5/16"	26	954149	Sprocket #40 30 Tooth w/1" bore
	330852	Flatwasher 5/16"	27	334516	Allen Set Screw 1/4"-28 x 1/4" Cone
7	312272	Clutch Shaft			
8	337212	Tap Bolt 1/2" x 2" Gr 5	28	430603	Sprocket 17 Tooth Idler
	330134	Hex Nut 1/2"	29	957092	Gear Box Shell
	330159	Flatwasher 1/2"	33	500173	Idler Spring
	331363	Hex Nylock 1/2"	34	335422	HHCS 1/2" x 2 1/2" Gr 5
9	03001500	Bearing 1" Flange Mount		330134	Hex Nut 1/2"
10	954339	Derailleur Bracket	35	330159	Flatwasher 1/2"
11	01017300	HHCS 3/8" x 1" Gr 5	36	330134	Hex Nut 1/2"
	330035	Hex Nut 3/8"	37	331363	Hex Nylock 1/2"
	330894	Flatwasher 3/8"	38	10490100	Key 1/4" x 1/4" x 1 1/4"
	330043	Lockwasher 3/8"	39	330936	Cotter Pin 1/8" x 1"
12	311100	Box End Drive Shaft	40	330035	Hex Nut 3/8"
13	954941	Idler Arm	41	330894	Flatwasher 3/8"
14	309112	Idler Arm All-thread Shaft	42	330043	Lockwasher 3/8"
15	01261700	Carriage Bolt 5/16" x 1 1/2" Gr 5	43	01162700	Zerk 1/4" -28 45°
	330845	Lockwasher 5/16"	44	330845	Lock Washer 5/16"
	330811	Hex Nut 5/16"	45	330811	Hex Nut 5/16"
16	309070	Gear Box Shaft	46	330852	Flat Washer 5/16"

Gear Box Assembly 13'

NOTE: RE-PLACE ZERK IN BEARING WITH 45° ZERK. INSTALL BEARING WITH ZERK UP AND TO THE FRONT. MAKE ZERK RUN PARALLEL WITH GEAR BOX.

LONG END OUT ON ITEM 4.

NOTE: ZERK ON DERAILLEUR BEARING UP.

NOTE: HOLE IN SHAFT #7 IS TO BE CENTERED WITH HOLE IN SHAFT #22.

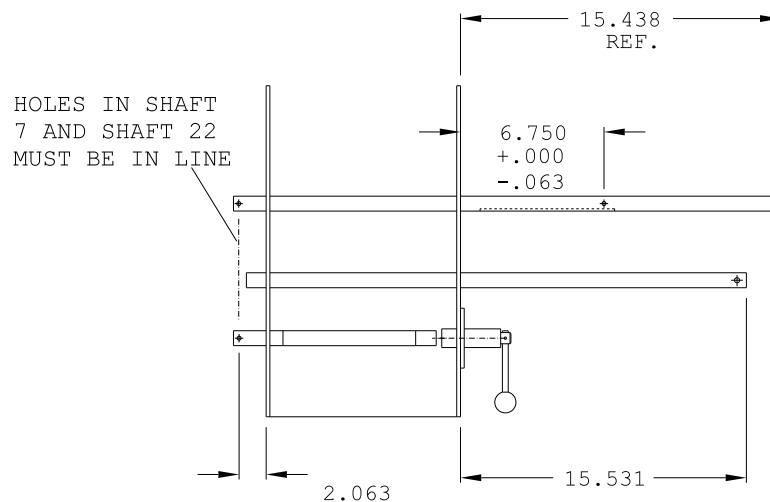
NOTE: LOCK COLLARS LOCK IN DIRECTION OF ARROW.

NOTE: RE-PLACE ZERK IN BEARING WITH 45° ZERK. INSTALL BEARING WITH ZERK DOWN & TO THE FRONT. MAKE ZERK RUN PARALLEL WITH GEAR BOX.

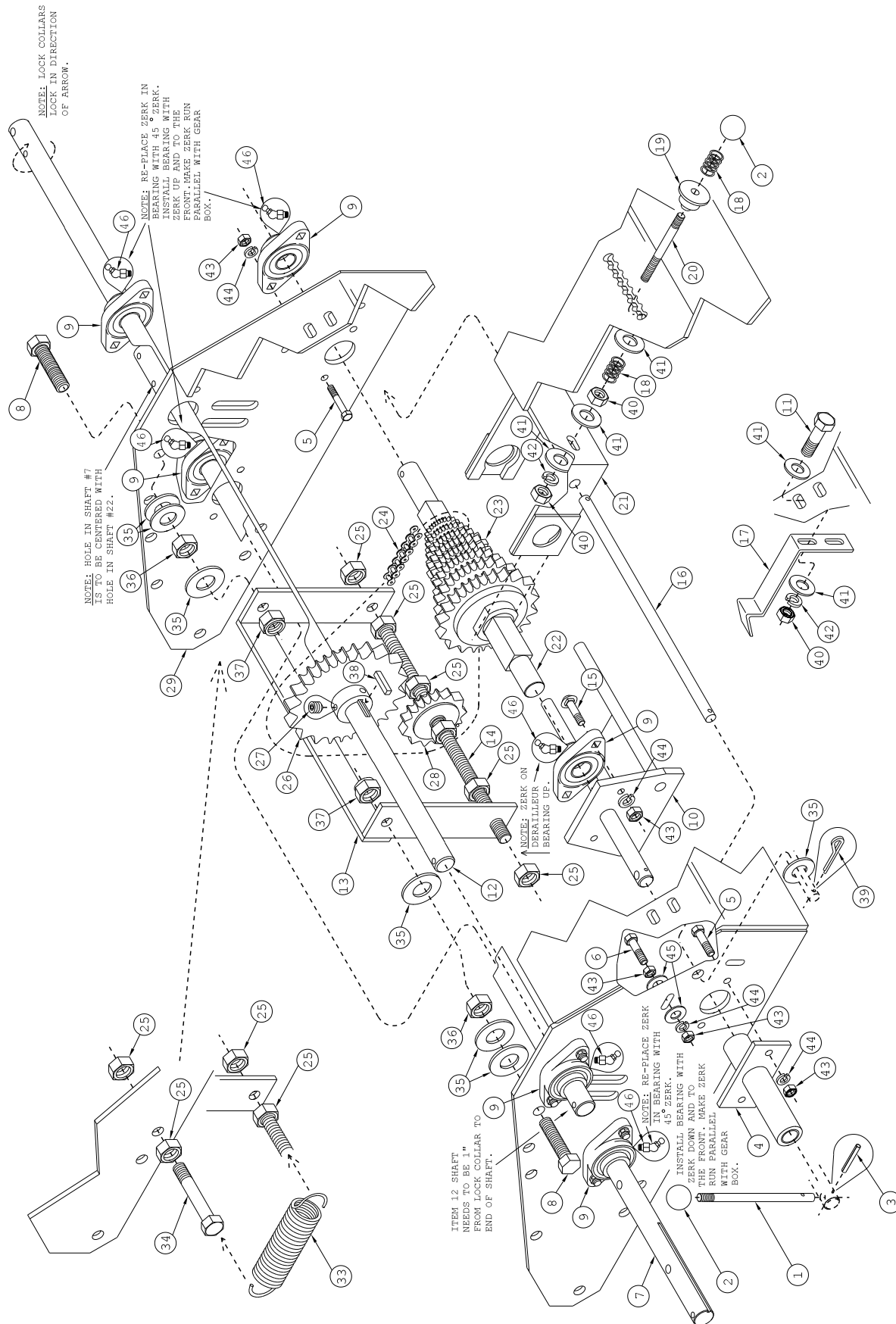
Gear Box Assembly

13'

Item	Part No.	Description	Item	Part No.	Description
1	309088	Handle Shaft	16	309070	Gear Box Shaft
2	604611	Plastic Ball Knob 3/8" -16 T.P.I.	17	211896	Derailleur Spring Catch Plate
3	334581	Roll Pin 5/32" x 7/8"	18	502161	Knob Spring
4	860908	Derailleur Clutch Mount Assy	19	309138	Shift Lock
5	01010800	HHCS 5/16" x 1" Gr 5	20	309104	Adjustment Handle Shaft
	330845	Lockwasher 5/16"	21	954347	Sprocket Cluster Bracket
	330811	Hex Nut 5/16"	22	309054	Cluster Shaft
6	02300200	HHCS 5/16 x 2" Gr 5	23	432708	Sprocket Cluster
	330845	Lockwasher 5/16"	24	432542	Chain #40 x 64 Pitches Complete
	330811	Hex Nut 5/16"	25	330571	Hex Nut 5/8"
	330852	Flatwasher 5/16"	26	954149	Sprocket #40 30 Tooth w/1" bore
7	312272	Clutch Shaft	27	334516	Allen Set Screw 1/4"-28 x 1/4" Cone
8	337212	Tap Bolt 1/2" x 2" Gr 5	28	430603	Sprocket 17 Tooth Idler
	330134	Hex Nut 1/2"	29	957092	Gear Box Shell
	330159	Flatwasher 1/2"	33	500173	Idler Spring
	331363	Hex Nylock 1/2"	34	335422	HHCS 1/2" x 2 1/2" Gr 5
9	03001500	Bearing 1" Flange Mount		330134	Hex Nut 1/2"
10	954339	Derailleur Bracket	35	330159	Flatwasher 1/2"
11	01017300	HHCS 3/8" x 1" Gr 5	36	330134	Hex Nut 1/2"
	330035	Hex Nut 3/8"	37	331363	Hex Nylock 1/2"
	330894	Flatwasher 3/8"	38	10490100	Key 1/4" x 1/4" x 1 1/4"
	330043	Lockwasher 3/8"	39	330936	Cotter Pin 1/8" x 1"
12	312280	Box End Drive Shaft	40	330035	Hex Nut 3/8"
13	954941	Idler Arm	41	330894	Flatwasher 3/8"
14	309112	Idler Arm All-thread Shaft	42	330043	Lockwasher 3/8"
15	01261700	Carriage Bolt 5/16" x 1 1/2" Gr 5	43	01162700	Zerk 1/4" -28 45°
	330845	Lockwasher 5/16"	44	330845	Lockwasher 5/16"
	330811	Hex Nut 5/16"	45	330811	Hex Nut 5/16"
			46	330852	Flatwasher 5/16"



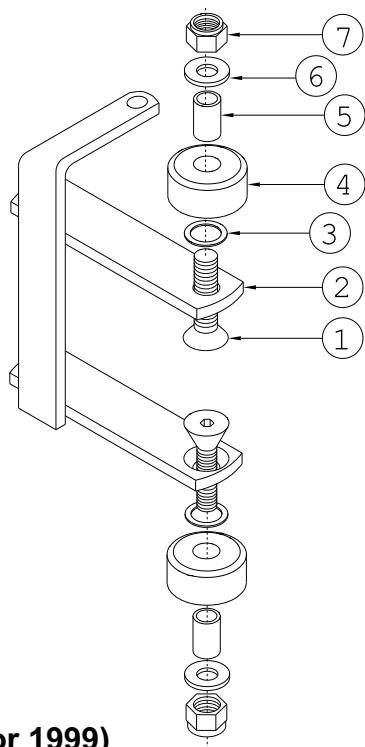
Gear Box Assembly 15' & 20'



Gear Box Assembly 15' & 20'

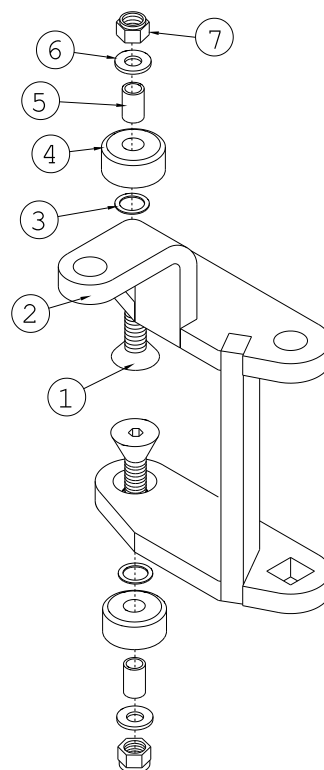
Item	Part No.	Description	Item	Part No.	Description
1	309088	Handle Shaft	16	309070	Gear Box Shaft
2	604611	Plastic Ball Knob 3/8" -16 T.P.I.	17	211896	Derailleur Spring Catch Plate
3	332452	Roll Pin 5/32" x 1 1/4"	18	502161	Knob Spring
4	860908	Derailleur Clutch Mount Assy	19	309138	Shift Lock
5	01010800	HHCS 5/16" x 1" Gr 5	20	309104	Adjustment Handle Shaft
	330845	Lockwasher 5/16"	21	954347	Sprocket Cluster Bracket
	330811	Hex Nut 5/16"	22	309054	Cluster Shaft
6	02300200	HHCS 5/16 x 2" Gr 5	23	432708	Sprocket Cluster
	330845	Lockwasher 5/16"	24	432542	Chain #40 x 64 Pitches Complete
	330811	Hex Nut 5/16"			
	330852	Flatwasher 5/16"	25	330571	Hex Nut 5/8"
7	309682	Clutch Shaft	26	954149	Sprocket #40 30 Tooth w/1" bore
8	337212	Tap Bolt 1/2" x 2" Gr 5	27	334516	Allen Set Screw 1/4"-28 x 1/4" Cone
	330134	Hex Nut 1/2"			
	330159	Flatwasher 1/2"	28	430603	Sprocket 17 Tooth Idler
	331363	Hex Nylock 1/2"	29	957092	Gear Box Shell
9	03001500	Bearing 1" Flange Mount	33	500173	Idler Spring
10	954339	Derailleur Bracket	34	335422	HHCS 1/2" x 2 1/2" Gr 5
11	01017300	HHCS 3/8" x 1" Gr 5		330134	Hex Nut 1/2"
	330035	Hex Nut 3/8"	35	330159	Flatwasher 1/2"
	330894	Flatwasher 3/8"	36	330134	Hex Nut 1/2"
	330043	Lockwasher 3/8"	37	331363	Hex Nylock 1/2"
12	309252	Box End Drive Shaft	38	10490100	Key 1/4" x 1/4" x 1 1/4"
13	954941	Idler Arm	39	330936	Cotter Pin 1/8" x 1"
14	309112	Idler Arm All-thread Shaft	40	330035	Hex Nut 3/8"
15	01261700	Carriage Bolt 5/16" x 1 1/2" Gr 5	41	330894	Flatwasher 3/8"
	330845	Lockwasher 5/16"	42	330043	Lockwasher 3/8"
	330811	Hex Nut 5/16"	46	01162700	Zerk 1/4" -28 45°

Clutch Lever Assemblies



863829 (Prior 1999)

Item	Part No.	Description
1	337311	Screw 3/8" x 1 3/4" Flat Head Socket
2	956490	Clutch Lever Right
3	337063	Nylon Washer 1/2" ID x 11/16" OD x 1/32"
4	309641	Clutch Lever Bushing
5	149385	Bushing
6	330894	Flat washer 3/8"
7	330837	Nylock Hex Nut 3/8"



#870121

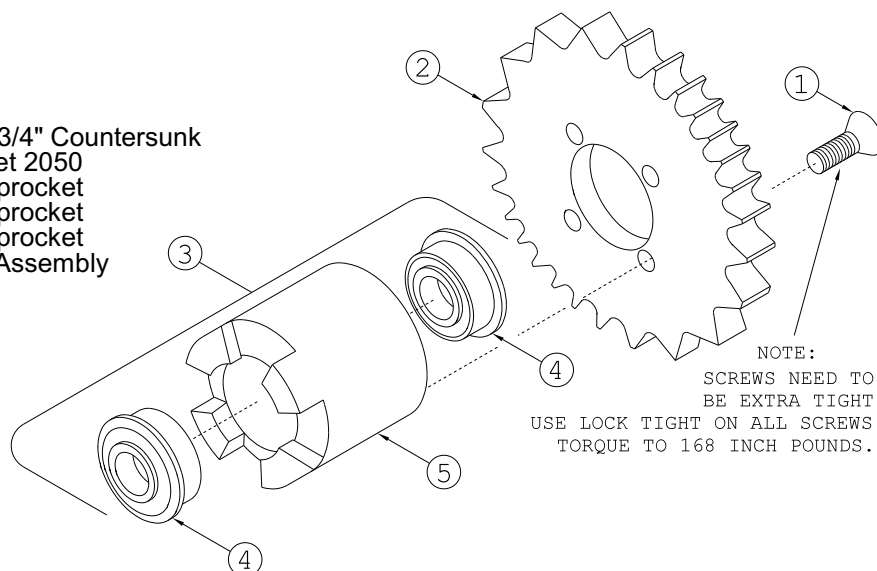
Item	Part No.	Description
1	337311	Screw 3/8" x 1 3/4" Flat Head Socket
2	963629	Clutch Lever Right
3	337063	Nylon Washer 1/2" ID x 11/16" OD x 1/32"
4	309641	Clutch Lever Bushing
5	149385	Bushing
6	330894	Flat washer 3/8"
7	330837	Nylock Hex Nut 3/8"

Drive Clutch Sprocket Assembly

#863787 18 Tooth
#863795 20 Tooth
#863803 25 Tooth

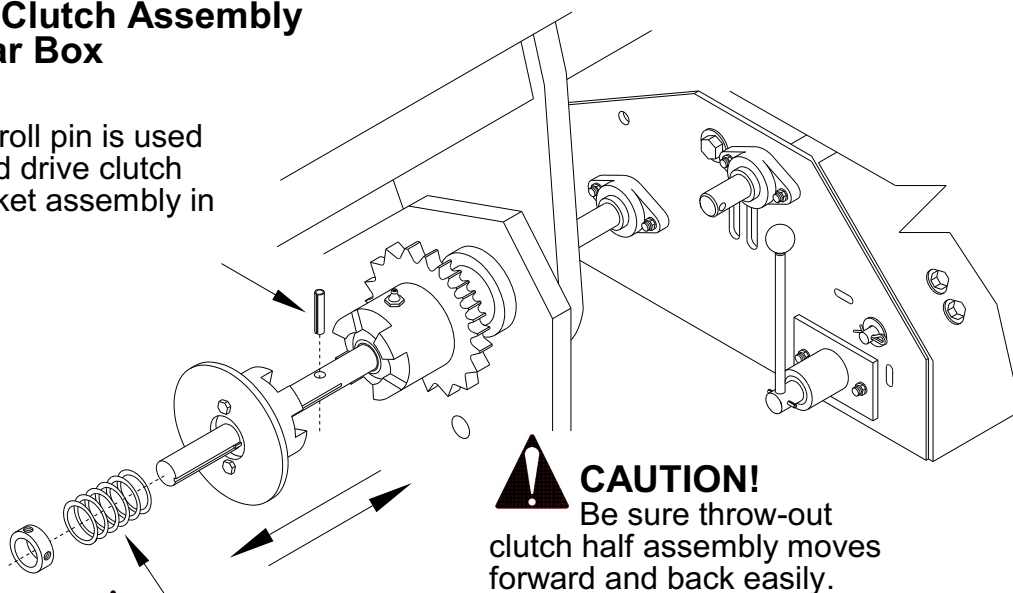
Item	Part No.	Description
1	337733	Screw 1/4" x 3/4" Countersunk
2	432450	Drive Sprocket 2050 18 Tooth Sprocket
	431700	20 Tooth Sprocket
	432500	25 Tooth Sprocket
* 3	863779	Drive Clutch Assembly
4	401000	Bearing 1"
5	551218	Clutch Drive

* Includes Items #4 & #5.



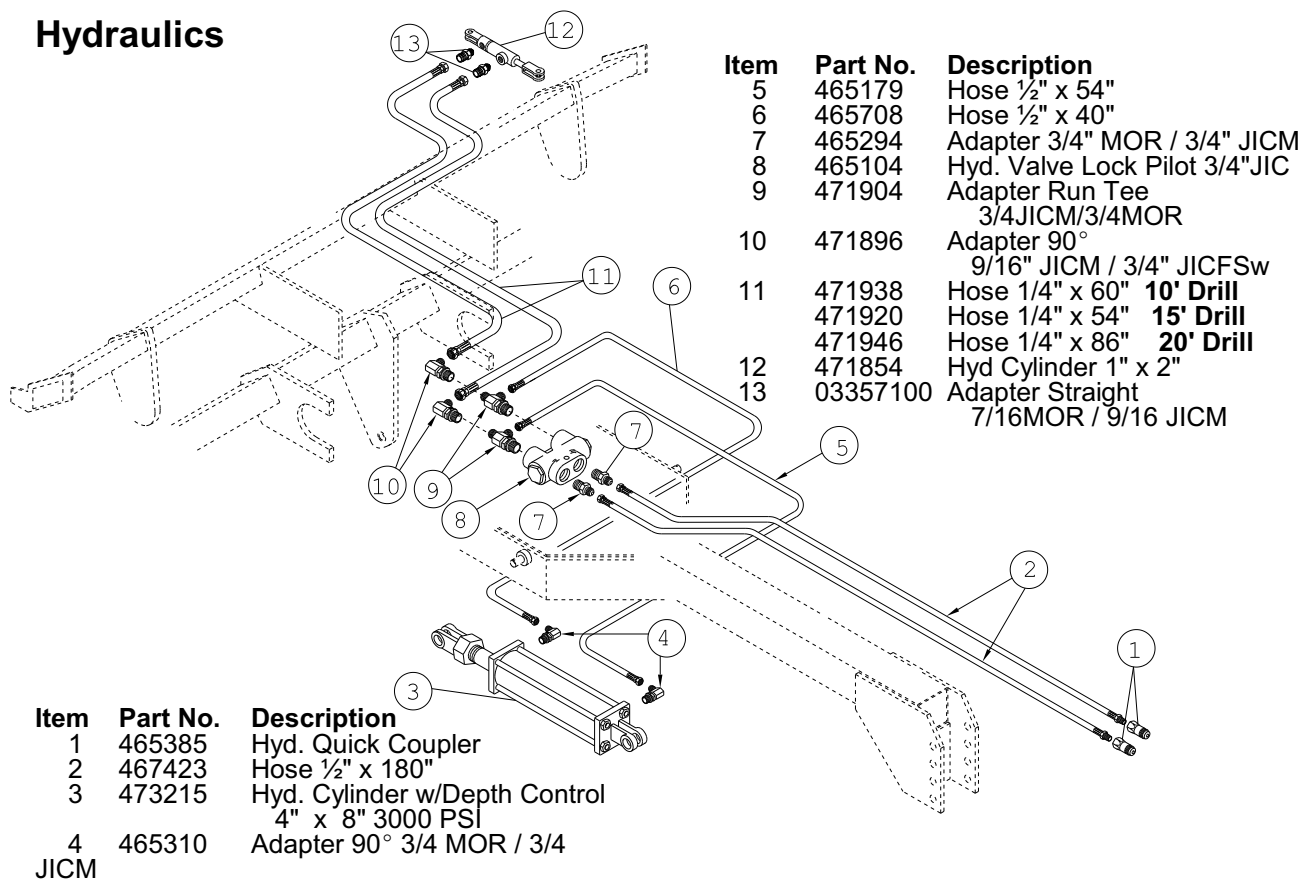
Clutch Half & Drive Clutch Assembly to Gear Box

5/16" roll pin is used
to hold drive clutch
sprocket assembly in
place.



WARNING! When you re-adjust clutch lever, make sure spring does not totally collapse. If spring totally collapses, pressure could force set collar off, resulting in loss of throw-out clutch half causing drill to stop seeding.

Hydraulics



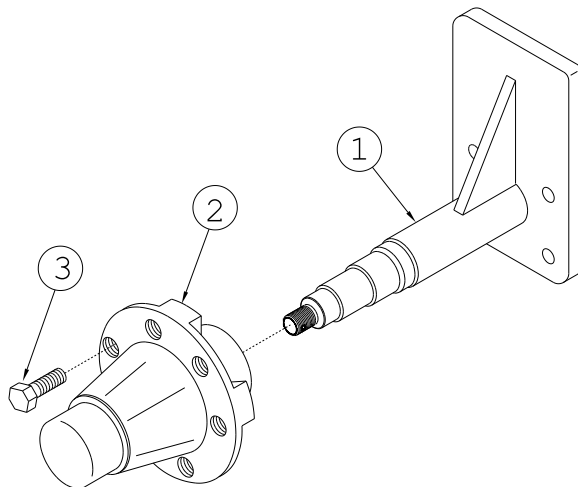
Spindle & Hub Assembly

#870576 - 10' Drill

#868711 - 13', 15' & 20' Drills (5 1/8" centers)

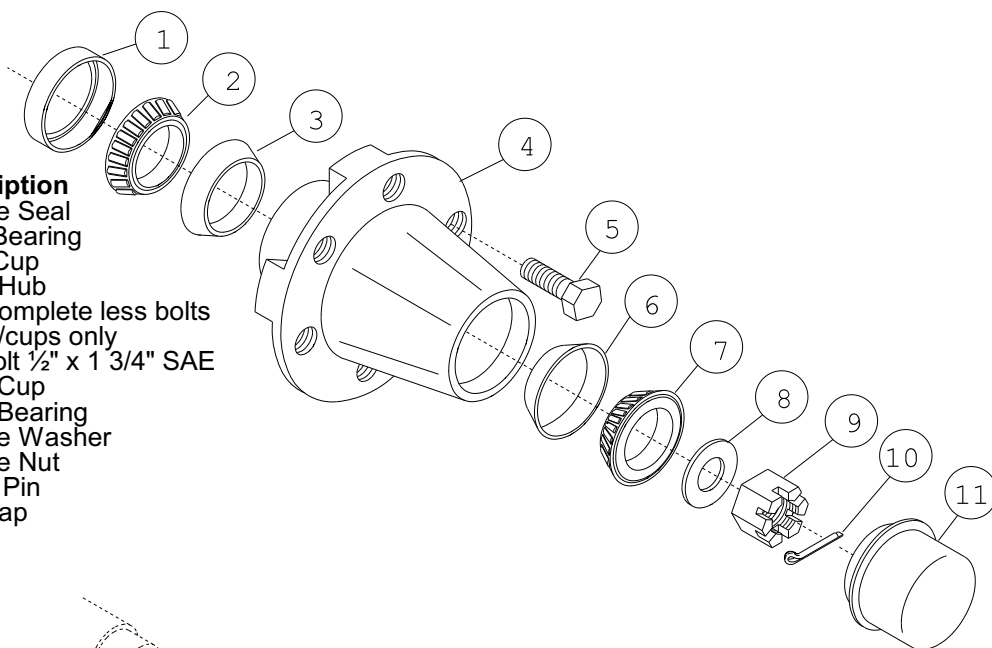
#863902 - 15' & 20' Drills (4 3/8" centers)

Item	Part No.	Description
1	964528	Spindle 10' Drill
	961847	Spindle 13', 15' & 20' Drill (5 1/8")
	956730	Spindle 15' & 20' Drill (4 3/8")
2	550897	8 Bolt Hub 10' Drill
	551291	6 Bolt Hub less bolts 13', 15' & 20' Drill
* 3	330464	Lug Bolt for 6 Bolt Hub
*Lug Bolts are not included in hub #551291		



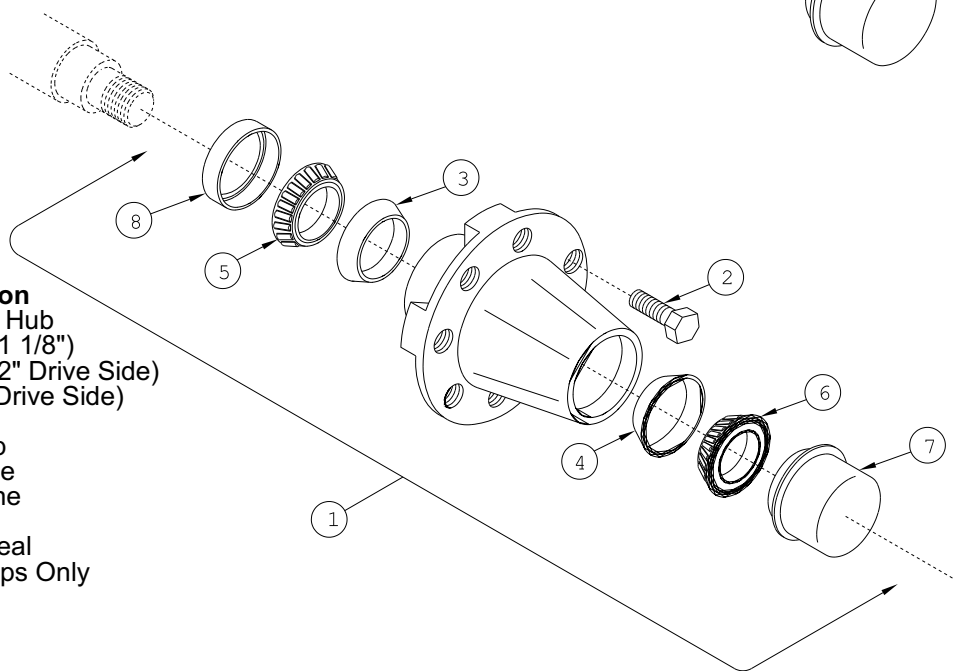
6 Bolt Hub #551291

Item	Part No.	Description
1	400861	Grease Seal
2	400853	Inner Bearing
3	400846	Inner Cup
4	551291	Hub Complete less bolts
	550707	Hub w/cups only
5	330464	Lug Bolt 1/2" x 1 3/4" SAE
6	05742200	Outer Cup
7	05741400	Outer Bearing
8	02080000	Spindle Washer
9	331801	Spindle Nut
10	02154300	Cotter Pin
11	05703400	Hub Cap



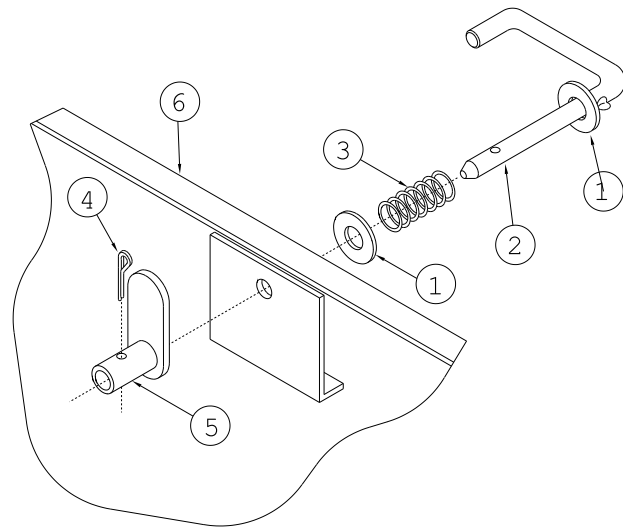
8 Bolt Hub #550897

Item	Part No.	Description
1	550897	Complete Hub
2	336297	Lug Bolt (1 1/8")
	336867	Lug Bolt (2" Drive Side)
	336859	Lug Nut (Drive Side)
3	401661	Inner Cup
4	401679	Outer Cup
5	401653	Inner Cone
6	401687	Outer Cone
7	603613	Hub Cap
8	401646	Grease Seal
-	55097	Hub w/Cups Only



Cover Shield # 864140

Item	Part No.	Description
1	257428	Washer 15/16" x 16 ga
2	309724	Handle Pin
3	501205	Quadrant Spring
4	330936	Cotter Pin 1/8" x 1"
5	957068	Shield Latch
6	956789	Cover Shield

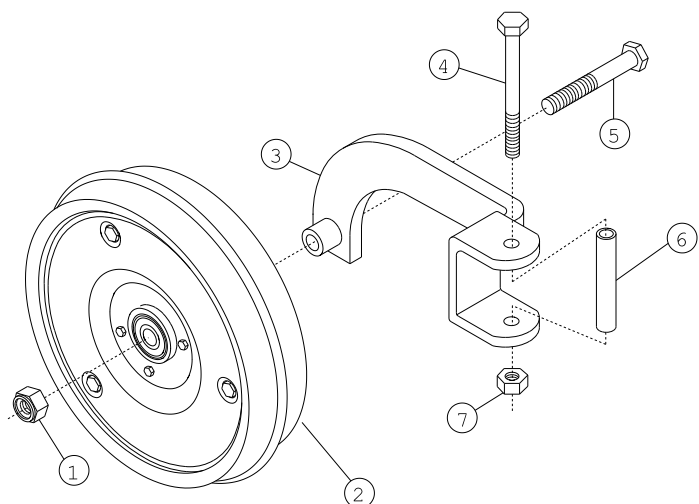


All Plant Presswheel Arm Assemblies

#874362 (Hammer)

3" x 13" Center Rib

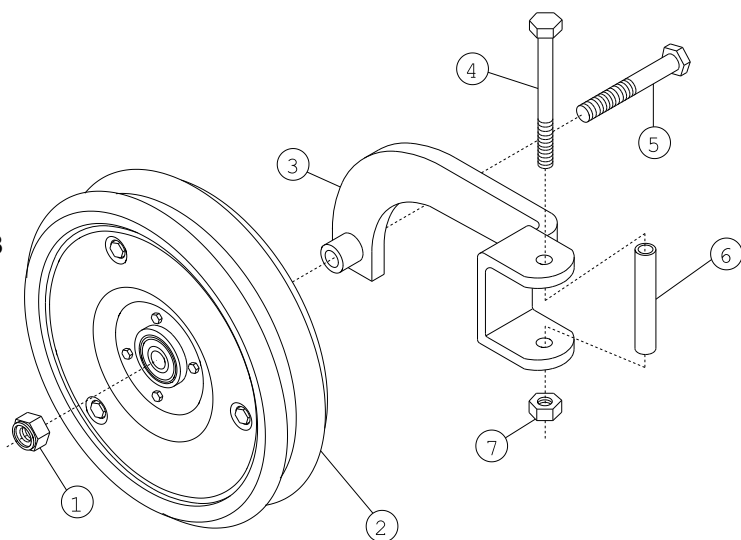
Item	Part No.	Description
1	01572700	Hex Nylock Nut 5/8"
2	531111	Presswheel 3 x 13 Center Rib
3	954636	Presswheel Arm
4	337873	HHCS 1/2" x 5 1/2" Gr 8
5	331983	HHCS 5/8" x 4"
6	148999	Bushing .747 x .532 x 3.594
7	03223500	Reversible Lock Nut 1/2" Gr 8



#877852 (Carlisle)

3" x 13" Dual Rib

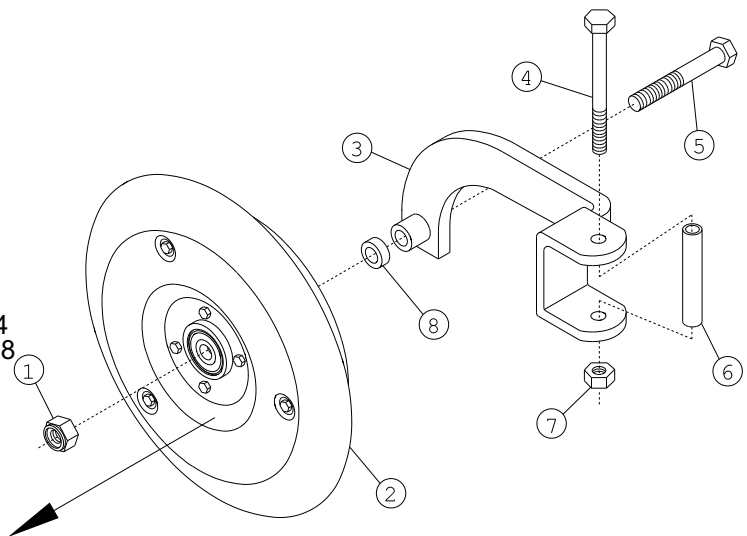
Item	Part No.	Description
1	01572700	Hex Nylock Nut 5/8"
2	531541	Presswheel 3 x 13 Dual Rib
3	954636	Presswheel Arm
4	337873	HHCS 1/2" x 5 1/2" Gr 8
5	335182	HHCS 5/8" x 4 1/2"
6	148999	Bushing .747 x .532 x 3.594
7	03223500	Reversible Lock Nut 1/2" Gr 8



All Plant Presswheel Arm Assemblies

#859991 (Hammer) 2" x 13" Peaked w/Smooth Sides

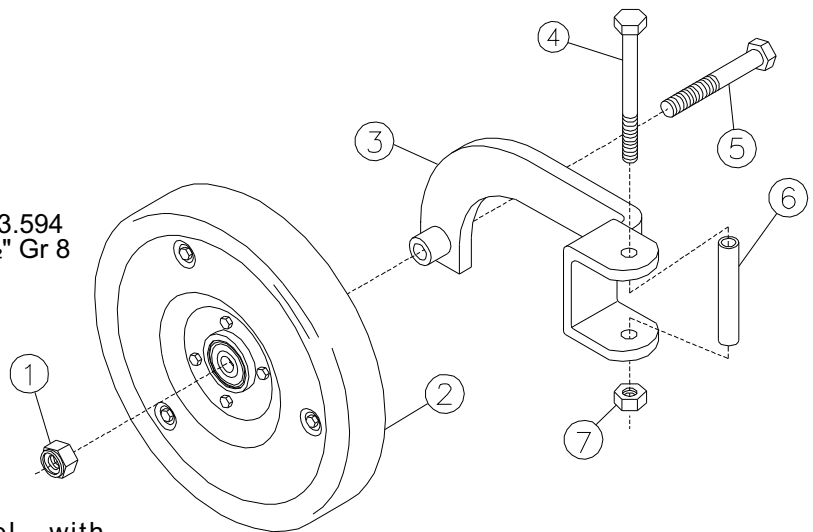
Item	Part No.	Description
1	01572700	Hex Nylock Nut 5/8"
2	530667	Presswheel 2 x 13 Peaked w/Smooth Sides
3	954636	Presswheel Arm
4	337873	HHCS 1/2" x 5 1/2" Gr 8
5	331983	HHCS 5/8" x 4"
6	148999	Bushing .747 x .532 x 3.594
7	03223500	Reversible Lock Nut 1/2" Gr 8
8	151472	Presswheel Shim



Assemble wheel with
extended race of bearing in
direction of arrow.

#860007 (Carlisle) 2" x 13" w/Smooth Sides

Item	Part No.	Description
1	01572700	Hex Nylock Nut 5/8"
2	531095	Presswheel 2 x 13 w/Smooth Sides
3	954636	Presswheel Arm
4	337873	HHCS 1/2" x 5 1/2" Gr 8
5	331983	HHCS 5/8" x 4"
6	148999	Bushing .747 x .532 x 3.594
7	03223500	Reversible Lock Nut 1/2" Gr 8

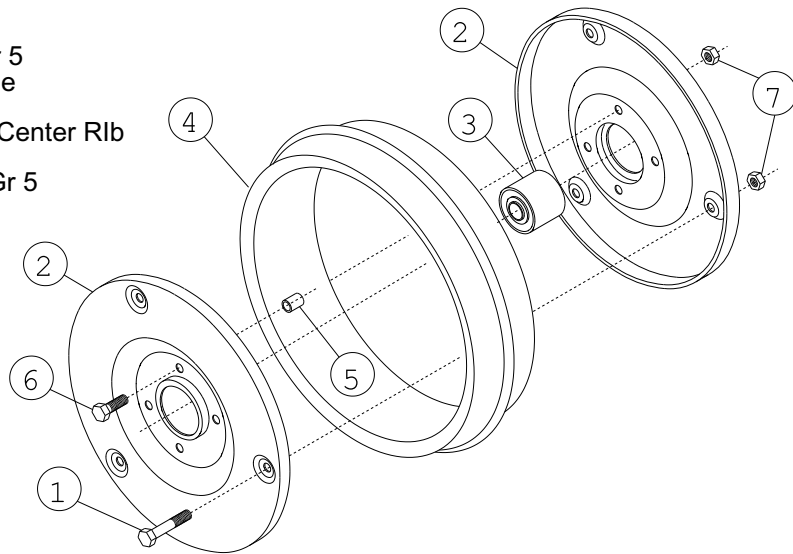


Assemble wheel with
extended race of bearing in
direction of arrow.

Presswheel Assemblies

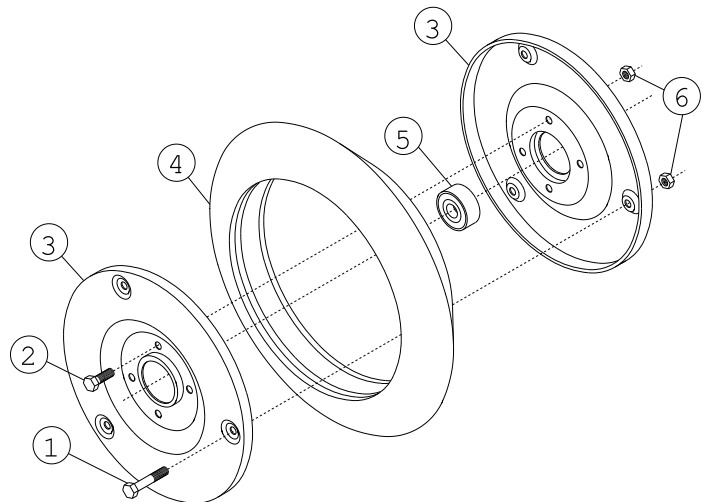
#531111 (Hammer) 3" x 13" Center Rib

Item	Part No.	Description
1		HHCS 3/8" x 2.5" Gr 5
2	531145	3x13 Presswheel Side
3	403188	Bearing
4	531152	Presswheel 3" x 13" Center Rib
5	606152	Bushing
6	337857	HHCS 3/8" x 1 3/8" Gr 5
7		Hex Locknut 3/8"



#530667 (Hammer) 2" x 13" Peaked w/Smooth Sides

Item	Part No.	Description
1		HHCS 3/8" x 1 5/8" Gr 5
2		HHCS 3/8" x 5/8" Gr5
3	530758	2x13 Smooth Presswheel Side
4	530766	2x13 Peaked Presswheel
5	401042	Bearing
6		Hex Locknut 3/8"



Presswheel Assemblies

#531095	2 x 13	Carlisle
#531483	3 x 15 V-Type	Carlisle
#531707	Presswheel Half	
#531723	Presswheel Tire	
#531541	3 x 13 Dual Rib	Carlisle
#531764	Presswheel Rim	

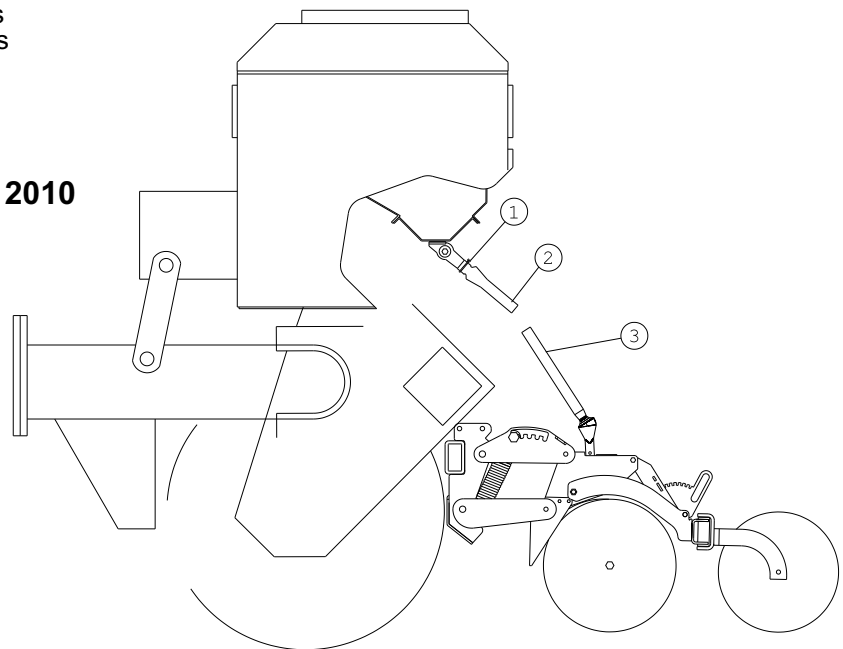
Feed Tube Assembly

Item	Part No.	Description
1	604777	Clamp 1 3/8" x .162 (A-22)
2	571018	Upper Seed Tube-18"
	571059	Long Opener
		Upper Seed Tube- 17"
		Short Opener
3		Bottom Tube
	571984	33"-Long Openers
	571992	32"-Short Openers

Bottom Tube Assembly - Prior 2010

#872036	571364	Feed Tube 14 5/8"
	571323	16" Tube
	603027	Hose Clamp

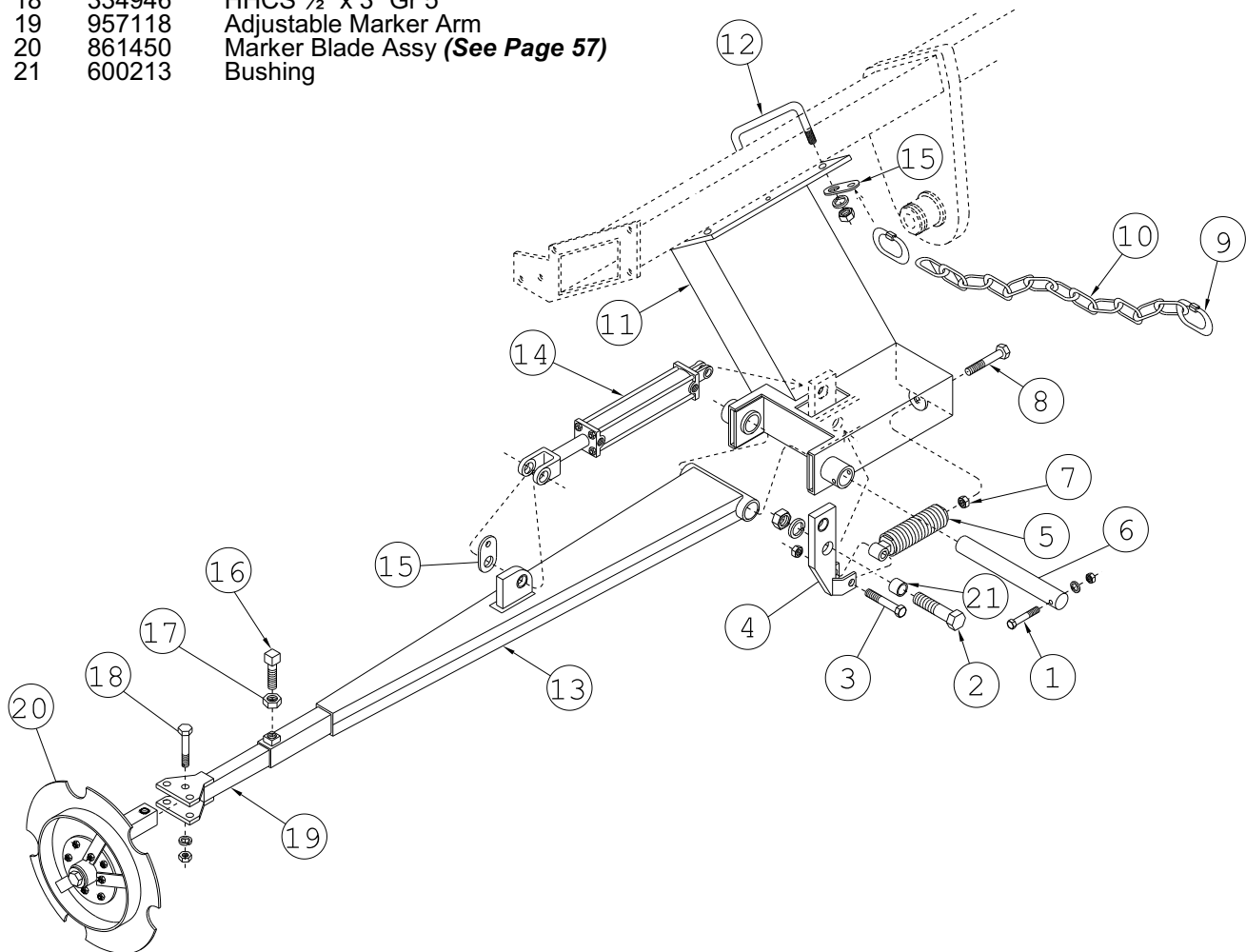
#876235	571364	Feed Tube 14 5/8"
	570945	14 1/2" Tube
	603027	Hose Clamp



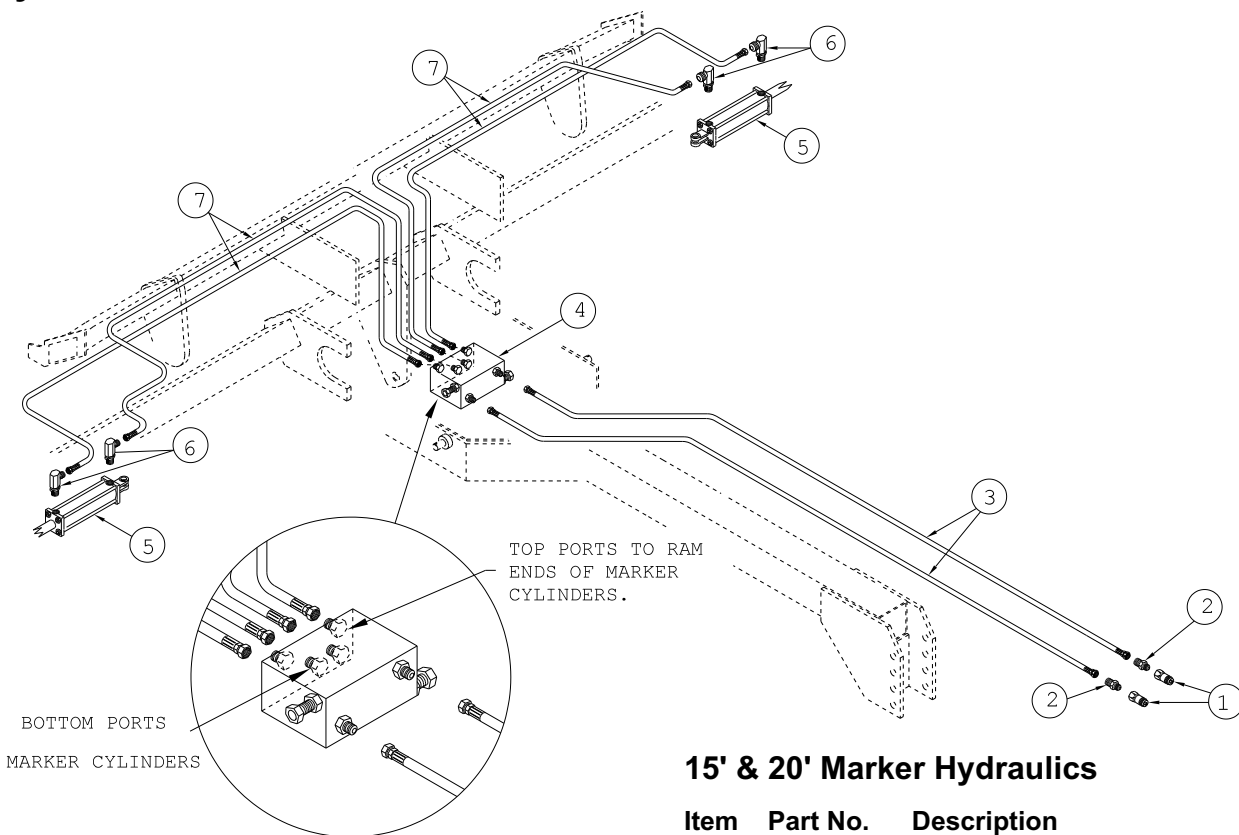
Hydraulic Markers

15' & 20' Marker

Item	Part No.	Description
1	331710	HHCS 5/16" x 2 1/2" Gr 5
2	334789	HHCS 1" x 3 1/2" Gr 5
3	335620	HHCS 5/8" x 3" Gr 5
4	956946	Base Lug Spring Mount
5	842906	Opener Spring Assembly
6	309708	Marker Pin
7	332262	Jam Nut 1/2"
8	335612	Screw 1/2" x 2 1/2" Hex Fl Gr 8
9	332593	Chain Connector Link 5/16"
10	432765	Chain 1/4 Proof x 12 Links
11	956961	Base Mount - Right
	956953	Base Mount - Left
12	334185	U-bolt 3/4" x 6" x 5 1/2"
13	956938	Marker Arm
14	463703	Cylinder 2" x 8" w/o DC
15	215152	Safety Chain Mount Plate
16	331223	Set Screw 5/8" x 1 3/4" Sq Hd
17	331538	Jam Nut 5/8"
18	334946	HHCS 1/2" x 3" Gr 5
19	957118	Adjustable Marker Arm
20	861450	Marker Blade Assy (See Page 57)
21	600213	Bushing



Hydraulic Markers

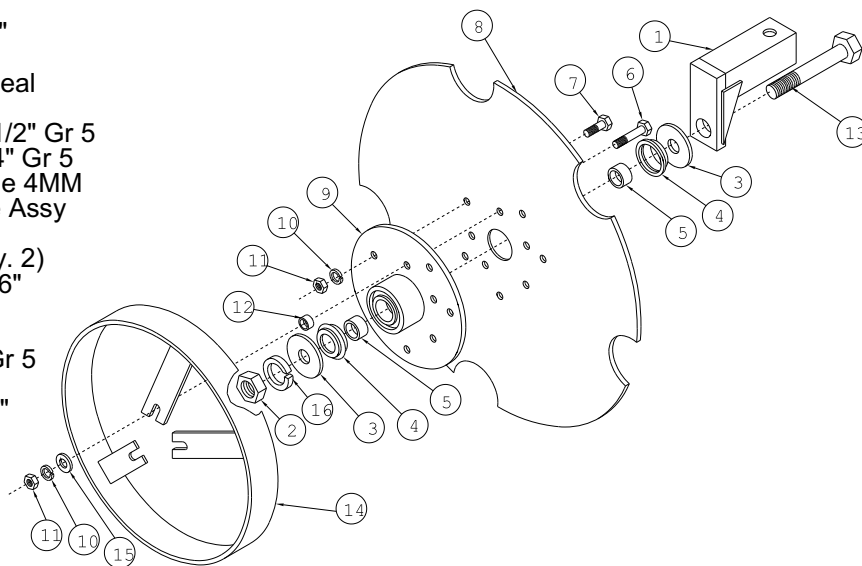


15' & 20' Marker Hydraulics

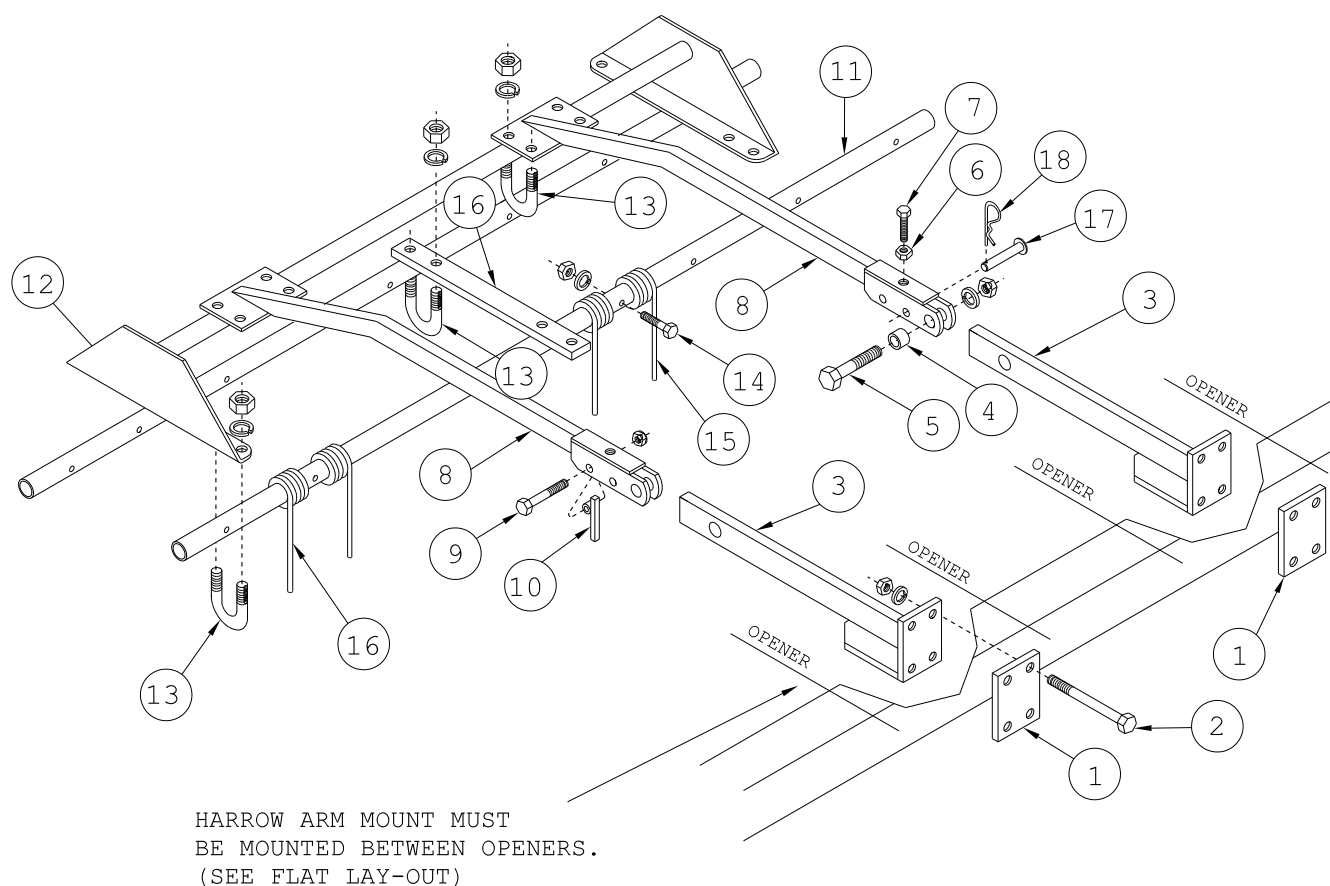
Item	Part No.	Description
1	465385	Hyd. Quick Coupler
2	465294	Adapter 3/ 4" MOR / 3/4" JICM
3	469668	Hose 3/8" x 170"
4	470179	Sequence Valve (6 Ports)
5	463703	Hyd. Cylinder 2" x 8"
6	00563700	Adpt 90° 3/8 NPTM / 9/16 JICM
7	469650	Hose 1/4" x 125" 15' Drill
	469684	Hose 1/4" x 155" 20' Drill

Marker Blade Assembly #861450

Item	Part No.	Description
1	956086	Marker Angle Adjusting Tube
2	330571	Hex Nut 5/8"
	330878	Lock Washer 5/8"
3	330183	Flat Washer 5/8"
4	400747	Neoprene Dust Seal
5	606558	Bushing
6	335448	HHCS 5/16" x 1 1/2" Gr 5
7	01144500	HHCS 5/16" x 3/4" Gr 5
8	501437	16" Notched Blade 4MM
9	633891	Bearing & Flange Assy
	551200	Flange Only
	401042	Bearing Only (Qty. 2)
10	330845	Lock Washer 5/16"
11	330811	Hex Nut 5/16"
12	923631	Bushing
13	331983	HHCS 5/8" x 4" Gr 5
14	928564	Depth Band
15	330852	Flat Washer 5/16"



Spring Tine Harrow

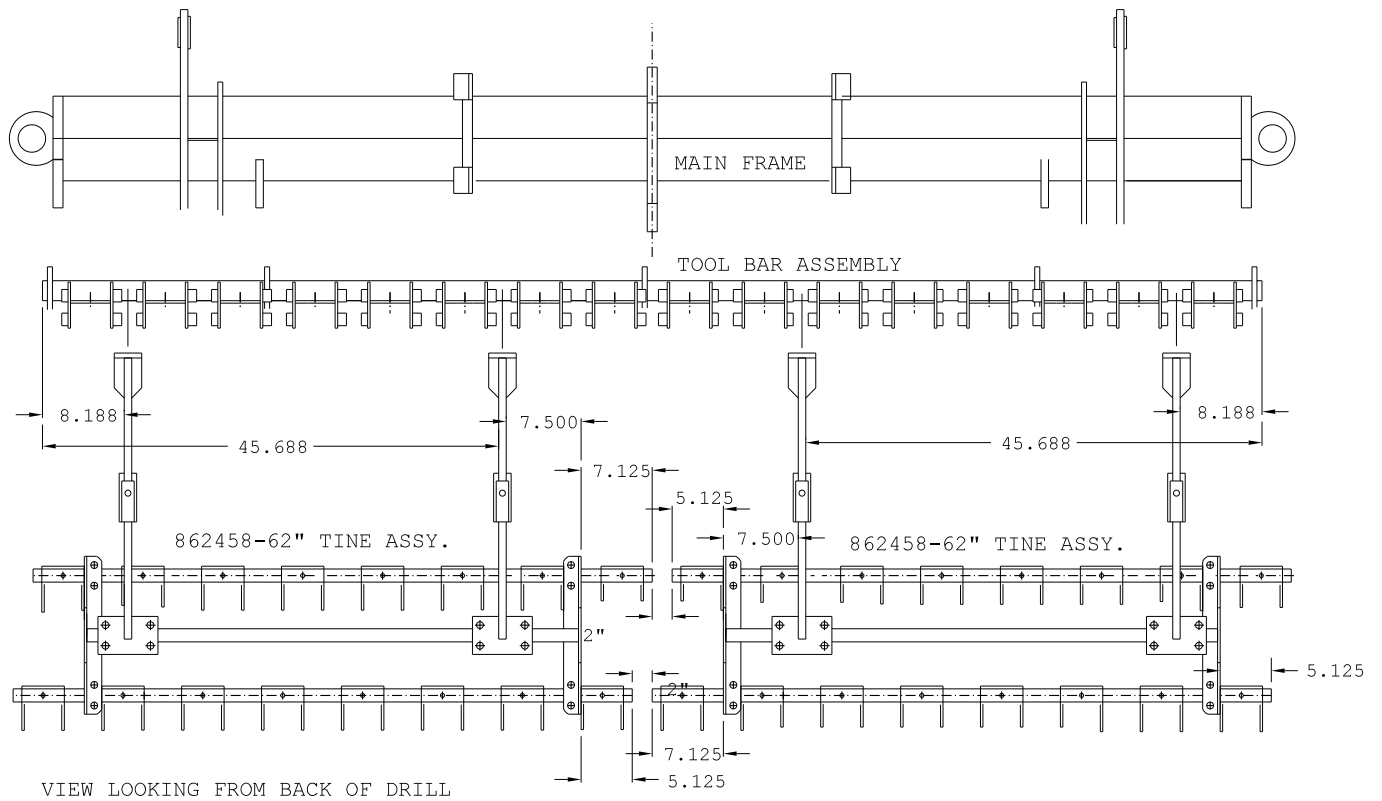


Item	Part No.	Description
1	959288	Bolt Plate
2	334458	HHCS 1/2" x 6" Gr 5
	330142	Lock washer 1/2"
	330134	Hex nut 1/2"
3	976910	Harrow Arm Mount
	959254	(Prior 2006)
4	151050	Bushing
5	336321	HHCS 5/8" x 2 1/4" Gr 5
	330878	Lock washer 5/8"
	330571	Hex nut 5/8"
6	331538	Jam nut 5/8"
7	337584	Harrow Adj Bolt 5/8" x 2" Gr 8
8	959262	Harrow Arm Weldment
9	334243	HHCS 3/8" x 2" Gr 5
	330837	Hex Nylock 3/8"
10	959270	Harrow Lock Weldment

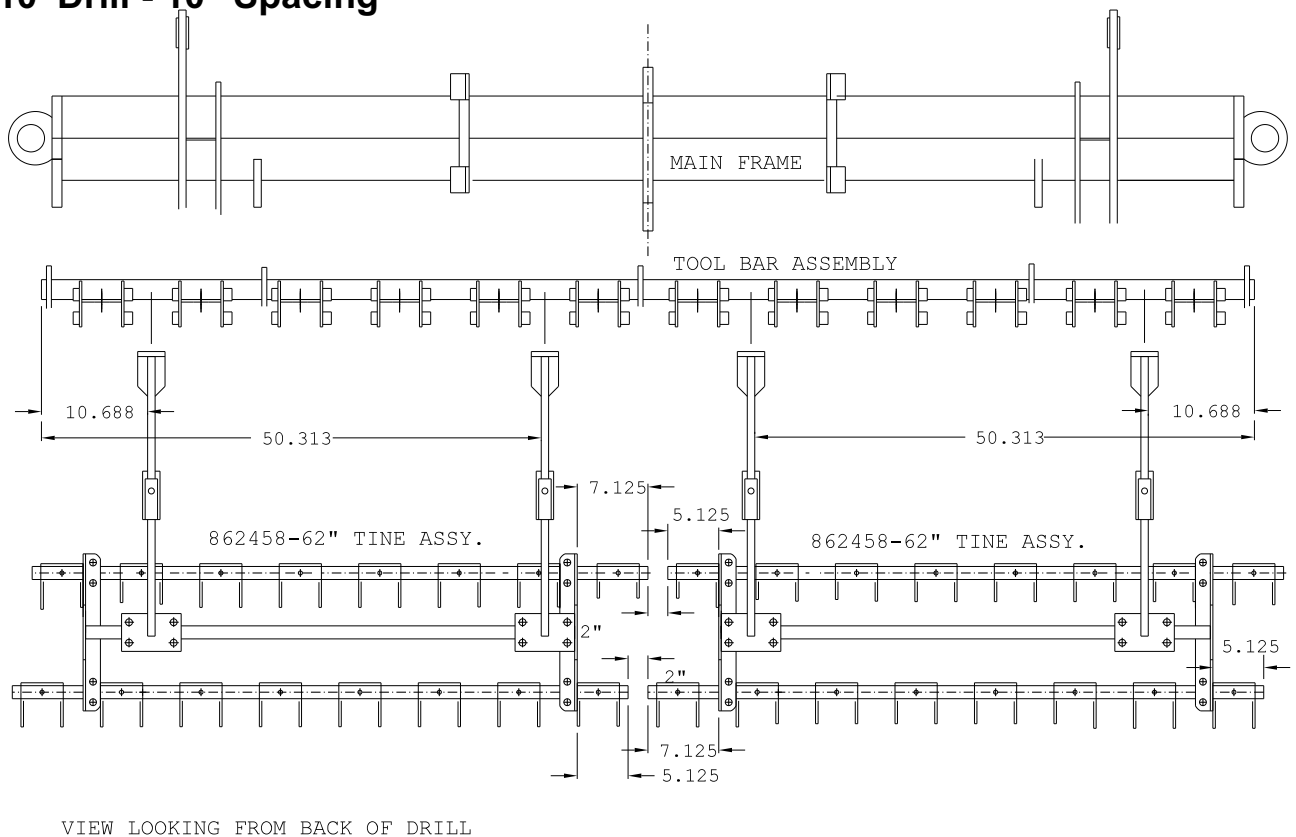
Item	Part No.	Description
11	149849	Harrow Pipe 94"
		(Center & Outside Wings)
	149476	Harrow Pipe 78"
		(Inside Wings Only)
12	956987	Tine Gang Bar
13	336032	U-bolt 5/8" x 1 3/8" x 2 9/16"
	330878	Lock washer 5/8"
	330571	Hex nut 5/8"
14	334243	HHCS 3/8" x 2" Gr 5
	330043	Lock washer 3/8"
	330035	Hex nut 3/8"
15	501544	Harrow Tine 11"
16	202226	Adjustment Plate
17	954024	Transport Pin
18	330860	Hairpin 5/32"

Harrow Layouts

10' Drill - 7½" Spacing

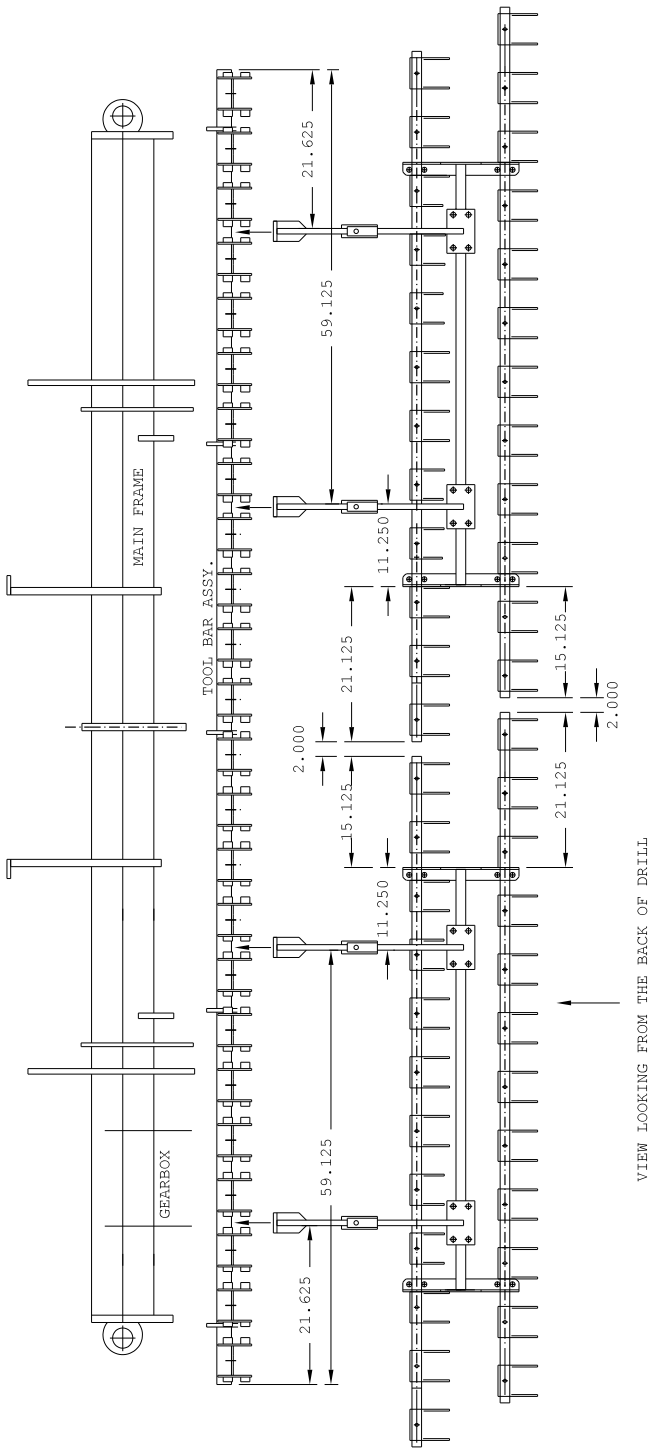


10' Drill - 10" Spacing

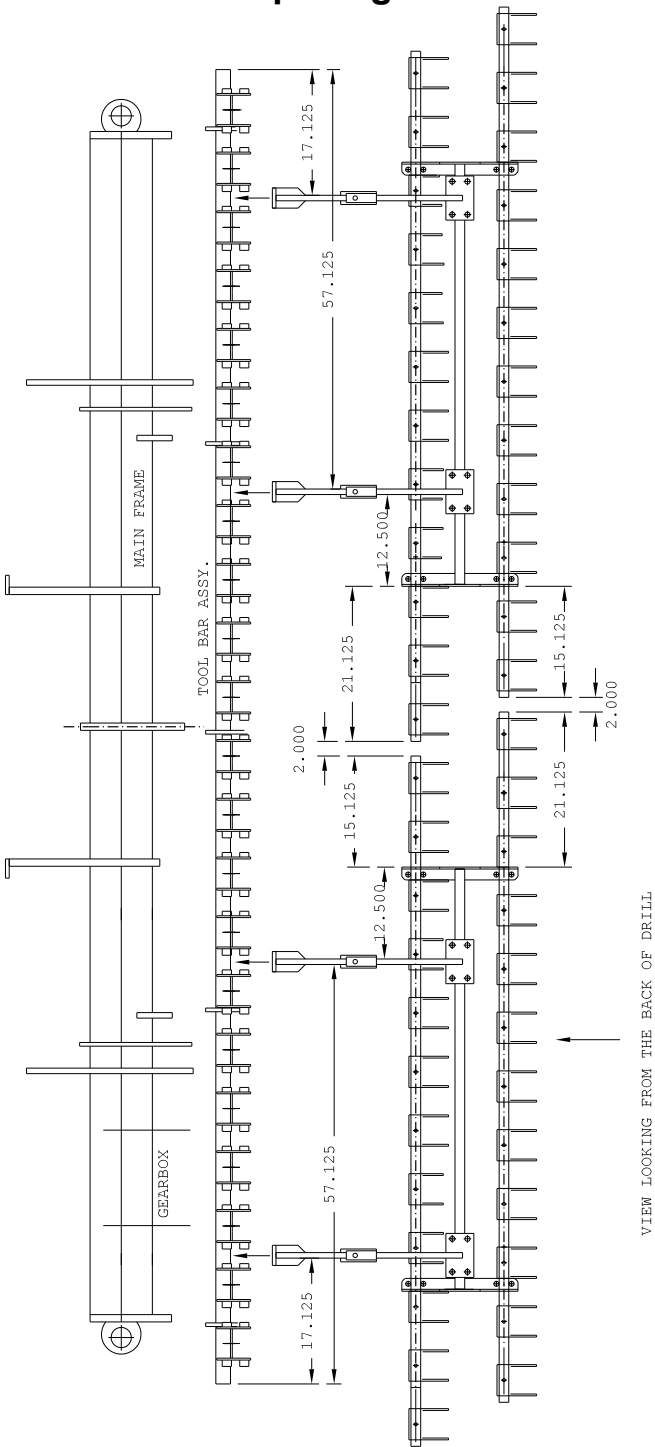


Harrow Layouts

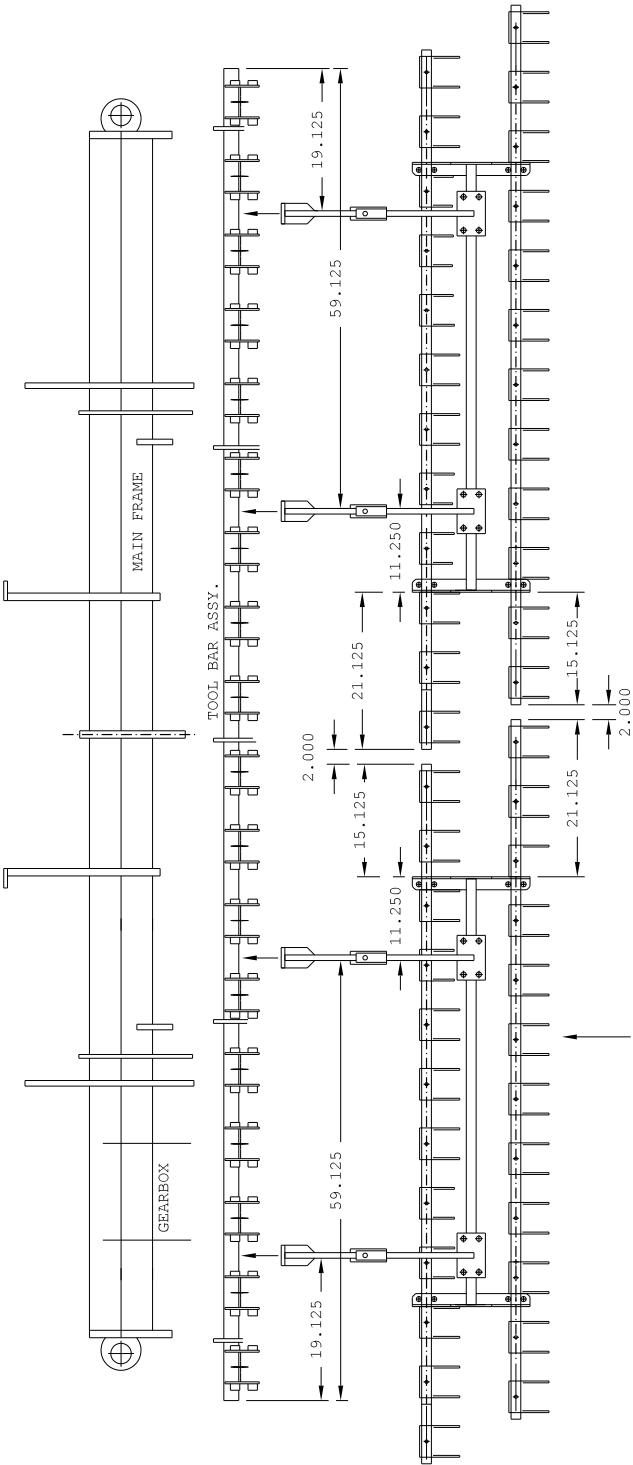
15' Drill - 7½" Spacing



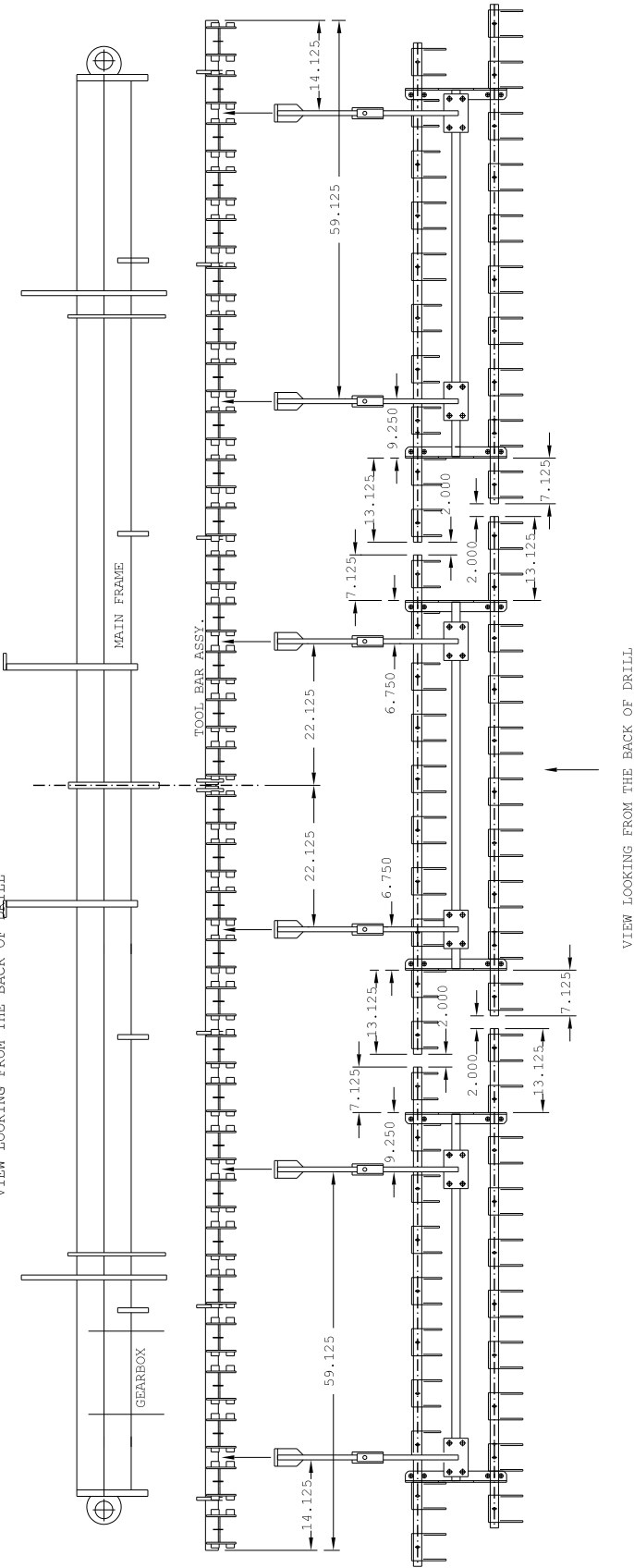
15' Drill - 8" Spacing



Harrow Layouts **15' Drill - 10" Spacing**

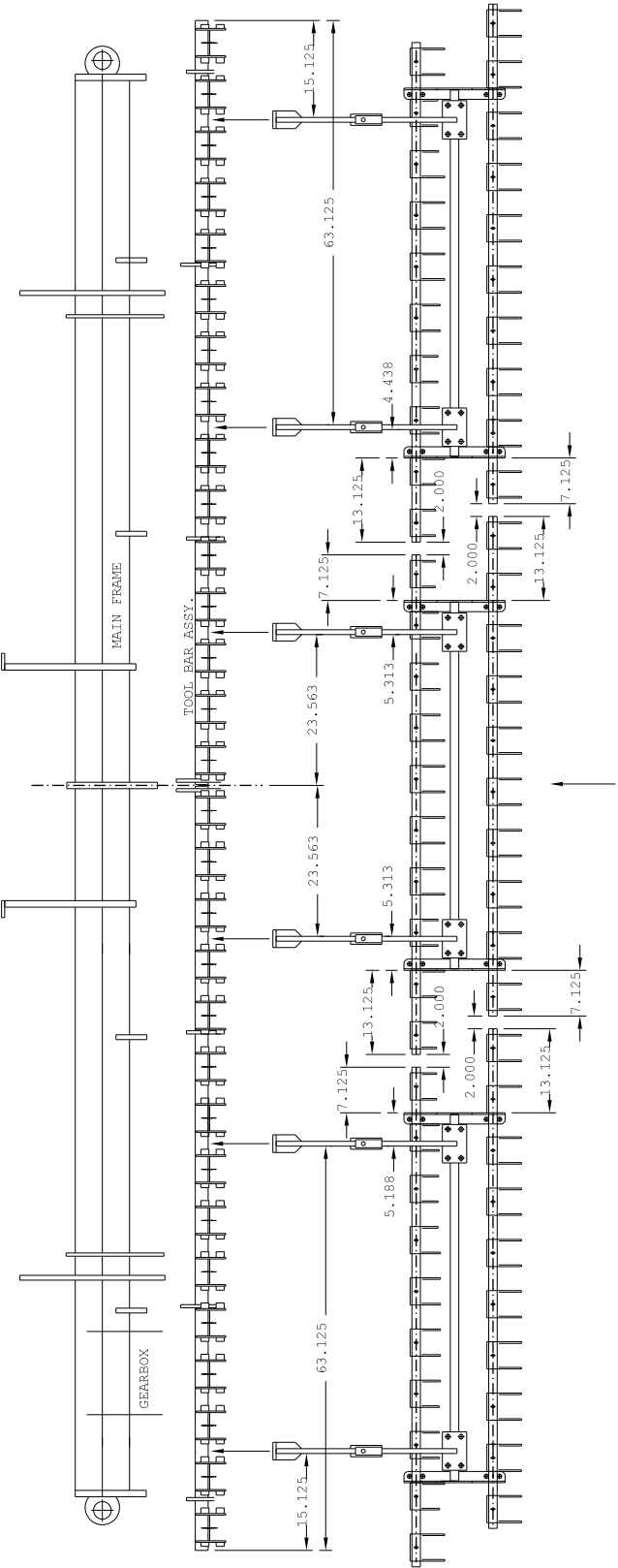


20' Drill - 7½" Spacing

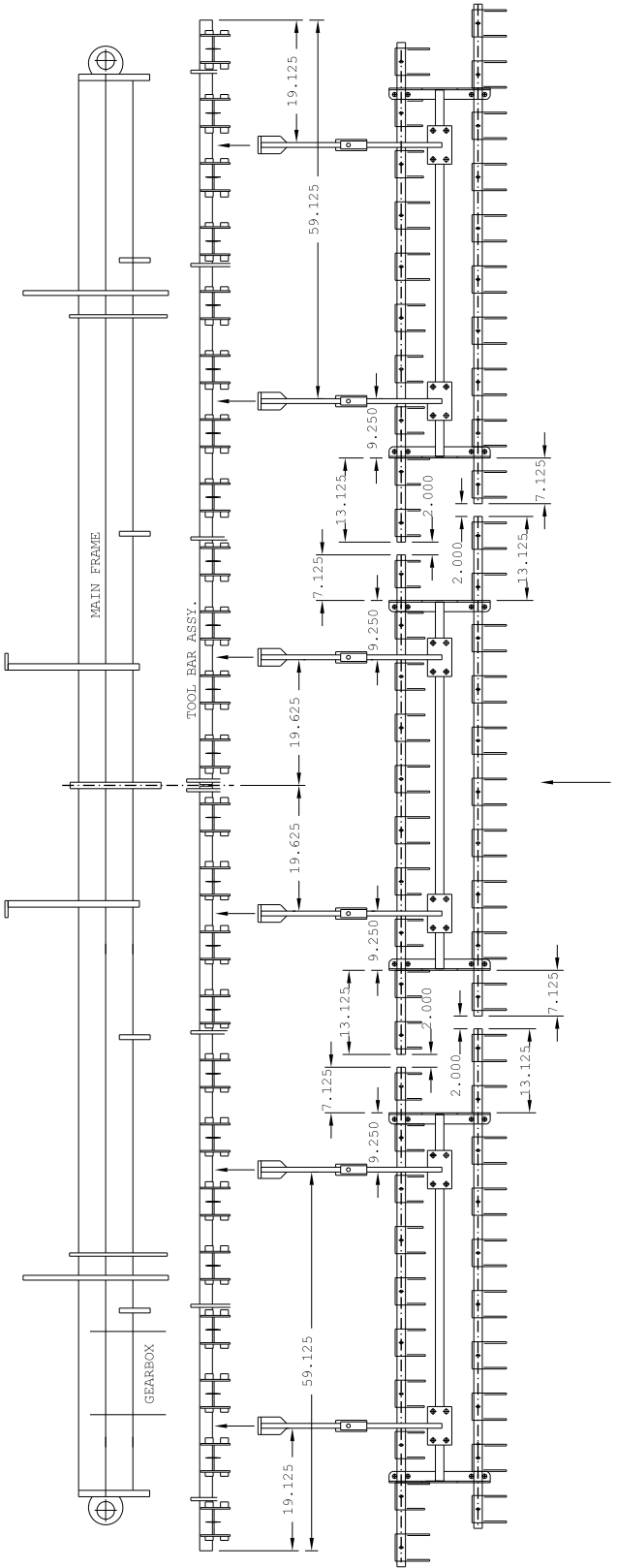


Harrow Layouts

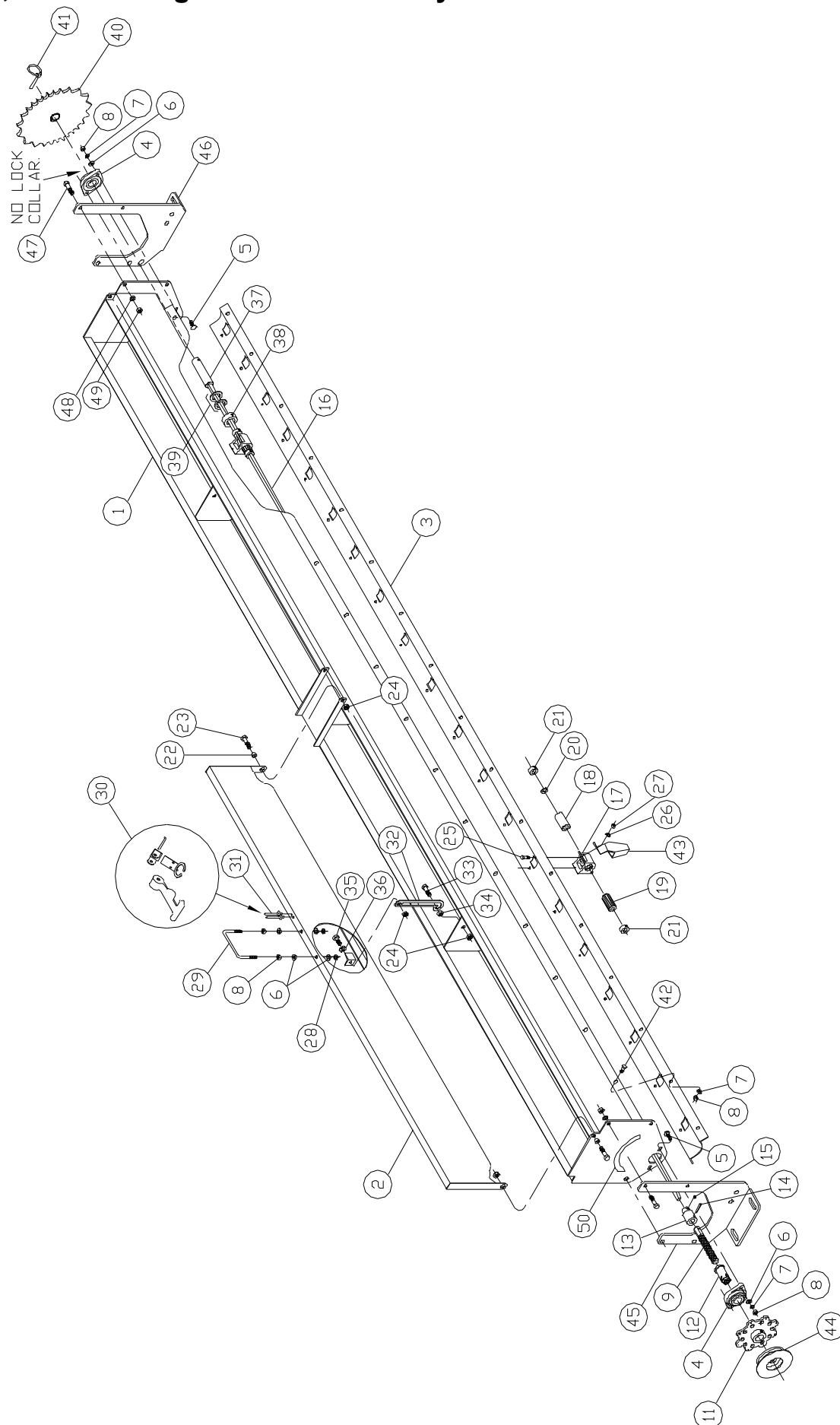
20' Drill - 8" Spacing



20' Drill - 10" Spacing



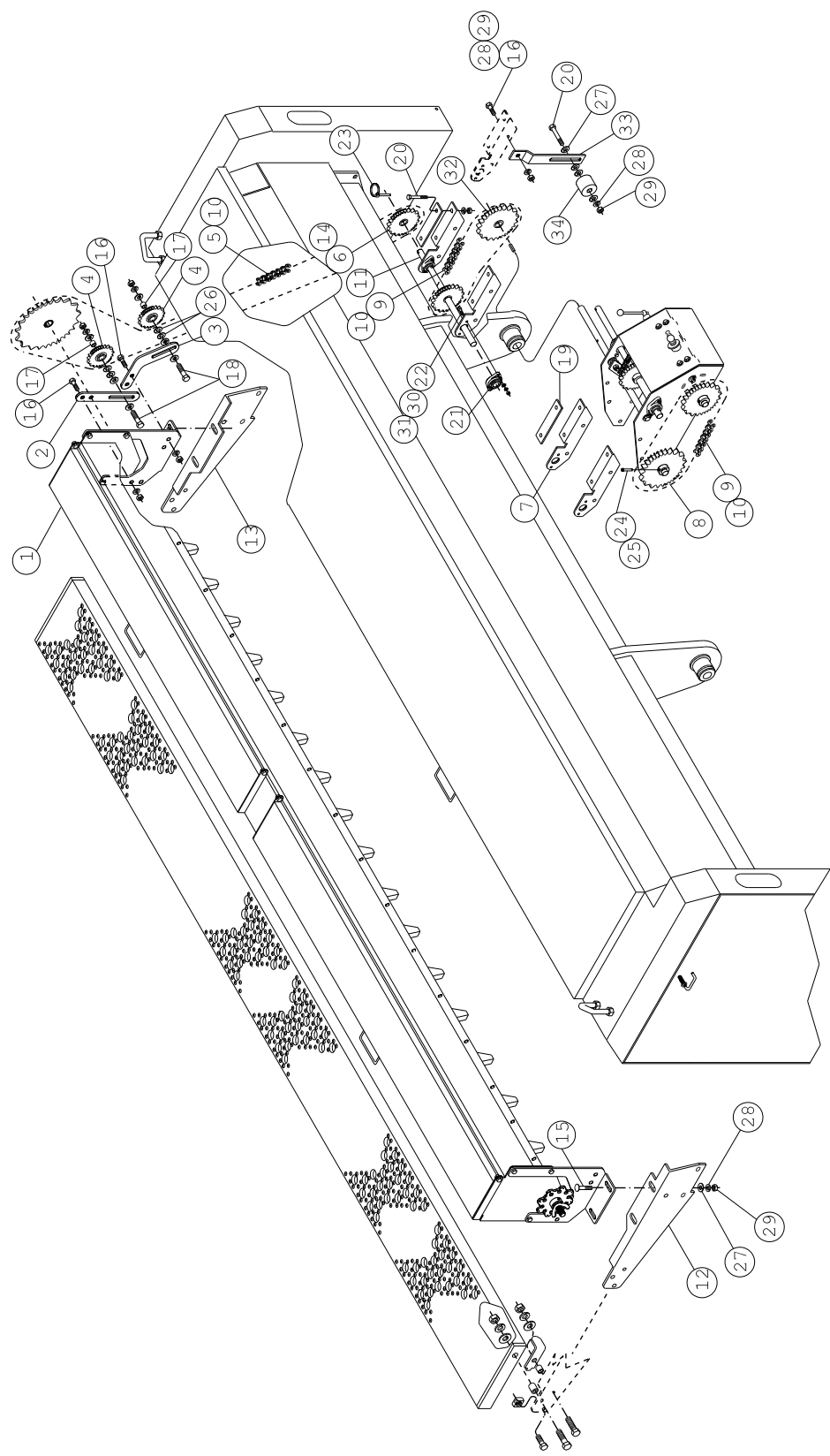
10', 13' & 15' Legume Box Assembly



10', 13' & 15' Legume Box Assembly

Item	Part No.	Description	Item	Part No.	Description
1	977371	Legume Box 4610	20	571604	Feed Cut-off Washer
	970939	Legume Box 4613	21	02625200	Lock Collar 1/2"
	972604	Legume Box 4615	22	149393	Bushing 1/2" x 3/8" x 5/16"
2	977397	Legume Box Lid 4610	23	335703	HHCS 3/8" x 1 1/2"
	970947	Legume Box Lid 4613	24	330837	Nylock 3/8"
	972596	Legume Box Lid 4615	25	01057900	HHCS 1/4" x 3/4"
3		Legume Box Bottom	26	330050	Lock Washer 1/4"
	277400	4610 x 7 1/2"	27	332205	Hex Nut 1/4"
	277129	4610 x 10"	28	331611	Nylock 5/16"
	269662	4613 x 7 1/2"	29	308122	Lid Handle
	269688	4613 x 10"	30	570341	Lid Latch
	972620	4615 x 7 1/2"	31	600635	Pop Rivet 1/8"
	972638	4615 x 10"	32	267153	Lid Holder
4	03001500	Bearing 1"	33	01158500	HHCS 3/8" x 1 1/4"
5	01047000	Carriage Bolt 5/16" x 1"	34	330035	Hex Nut 3/8"
6	330852	Flat Washer 5/16"	35	01017300	HHCS 3/8" x 1"
7	330845	Lock Washer 5/16"	36	330894	Flat Washer 3/8"
8	330811	Hex Nut 5/16"	37	311852	Shaft 1" x 4"
9	311878	Hex Shaft 5/8" x 5 1/2"	38	06409700	Lock Collar 1"
10	608760	Decal "Slot Adjustment"	39	335166	Machine Bushing 1" x 1 1/2" x 10ga
11	968966	Adjustment Handle	40	954362	Sprocket & Hub 2050 44T
12	312785	Adjustment Spool	41	338392	Klik Pin 1/4" w/1 3/4" Ring
13	969048	Feed Shaft Coupler	42	01144500	HHCS 5/16" x 3/4"
14	337485	Roll Pin 3/16" x 1 1/4"	43	969204	Seed Tube Extension
15	334516	Set Screw 1/4-28 x 25	44	972851	Adjustment Lock Plate
16	314146	Drive Shaft 3/8" x 112" 4610	45	232595	Box Mount Right
	312363	Drive Shaft 3/8" x 136" 4613	46	232660	Box Mount Left
	311944	Drive Shaft 3/8" x 35 1/2" 4615	47	01029800	HHCS 1/2" x 1"
	311951	Drive Shaft 3/8" x 142 1/2" 4615	48	330142	Lock Washer 1/2"
17	571570	Feed Cup	49	330134	Hex Nut 1/2"
18	571588	Feed Roll			
19	571596	Feed Cut-off			

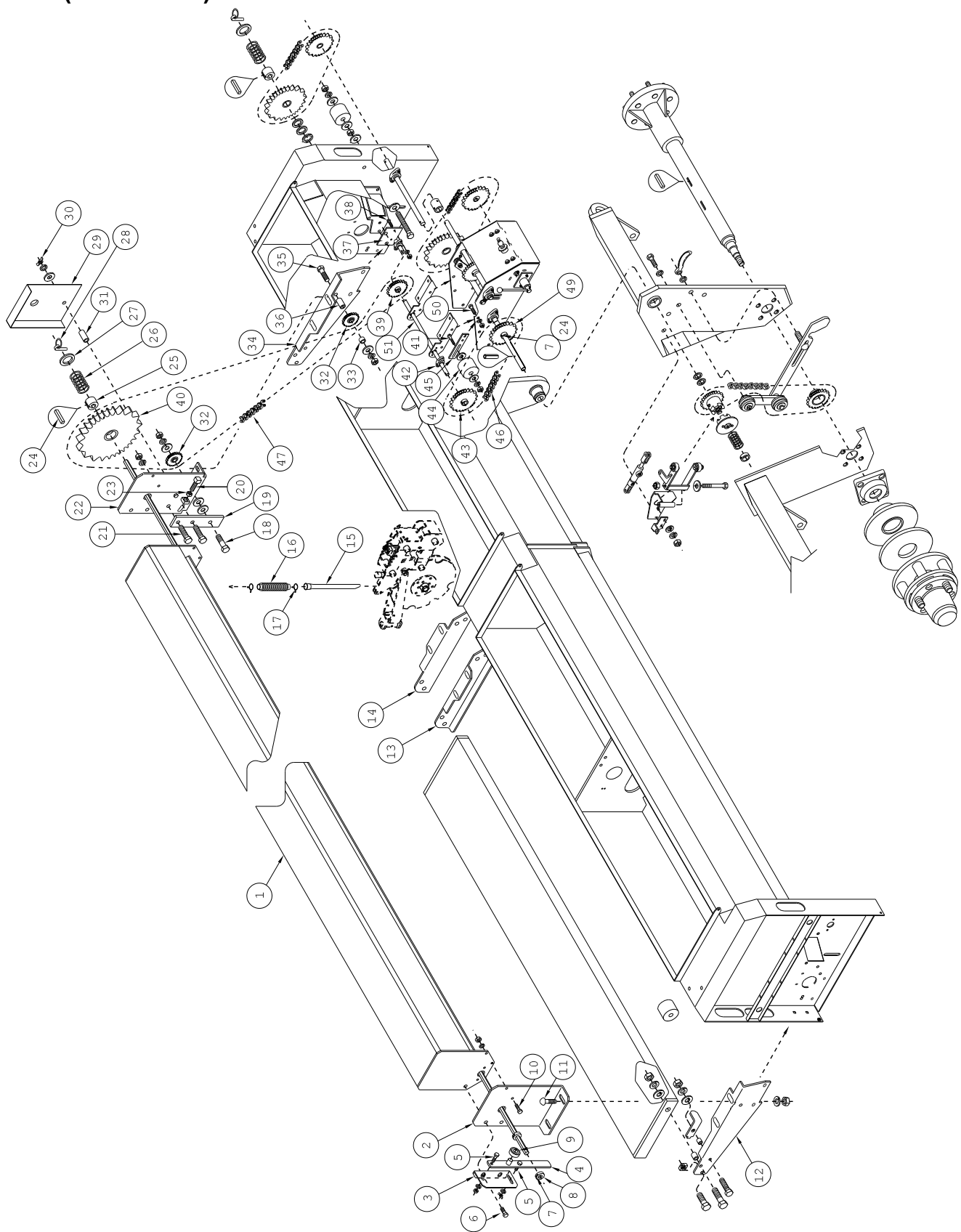
10', 13' & 15' Legume Drive



10', 13' & 15' Legume Drive

Item	Part No.	Description	Item	Part No.	Description
1		Legume Box Assembly	15	01136100	Carriage Bolt ½" x 1 1/4"
	880344	4610 x 7½"	16	01180900	HHCS ½" x 1 1/4"
	880351	4610 x 10"	17	151779	Idler Bushing
	876045	4613 x 7½"	18	335422	HHCS ½" x 2½"
	876052	4613 x 10"	19	216051	Backing Plate
	877332	4615 x 7½"	20	330126	HHCS ½" x 5½"
	877340	4615 x 10"	21	03001500	Bearing 1"
2	232678	Idler Plate Rear	22	01010800	HHCS 5/16" x 1"
3	232686	Idler Plate Front	23	338392	Klik Pin 1/4" w/1 3/4" Ring
4	431726	Sprocket Idler #50 13T	24	335349	Clevis Pin 1/4" x 1 5/8"
5	432666	Chain 2050 x 55 Links	25	337071	Cotter Pin 3/32" x ½"
6	954933	Sprocket 2050 20T -1" Bore	26	333351	Machine Bushing 5/8" x 1 1/8" x 18ga
7	213207	Gear Box Mount Plate	27	330159	Flat Washer ½"
8	935106	Sprocket 2050 30T -1" Bore	28	330142	Lock Washer ½"
9	431841	Chain 2050 x 37 Links	29	330134	Hex Nut ½"
10	430983	Chain 2050 Connector Link	30	330845	Lock Washer 5/16"
11	313122	Drive Shaft 1" x 10" 4610	31	330811	Hex Nut 5/16"
	312371	Drive Shaft 1" x 20 3/4" 4613	32	954933	Sprocket 2050 20T -1" Bore
	312751	Drive Shaft 1" x 37 3/16" 4615	33	233114	Idler Plate
12	213355	Walkboard Bracket Right	34	571273	Nylon Idler
13	213371	Walkboard Bracket Left			
14	935072	Sprocket 2050 12T -1" Bore			

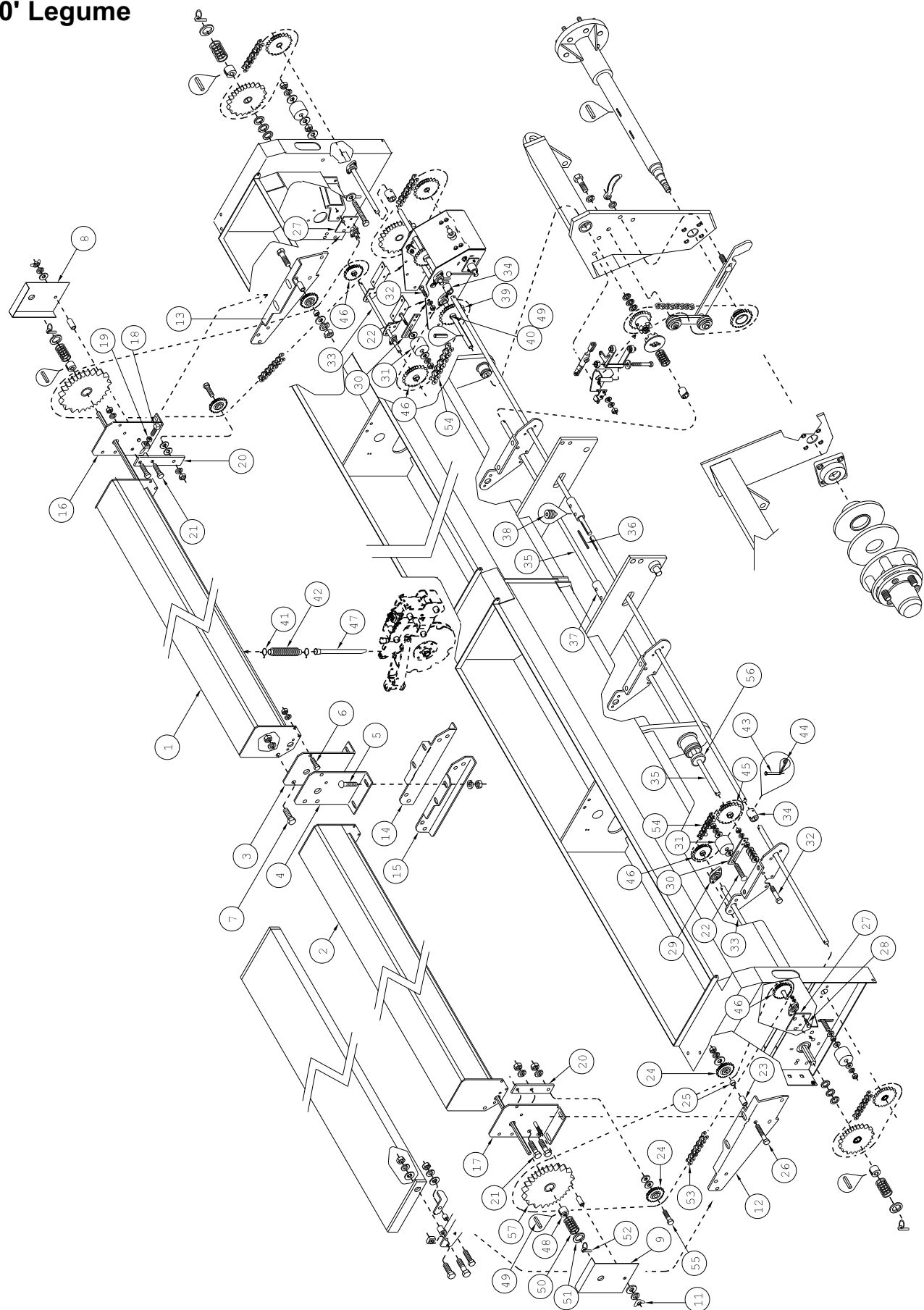
15' Legume (Prior 2010)



15' Legume (Prior 2010)

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	864934	Legume Box Assembly	21	2	01180900	HHCS 1/2" x 1 1/4" Gr 5
	1	864983	15' x 7 1/2"	22	1	956573	Legume Mount Plt Brkt Lt.
	1	864991	15' x 8"	23	1	331538	Jam Nut 5/8"
	1	864991	15' x 10"	24	2	602367	Key 1/4" x 1"
2	1	215095	Legume mount Plate	25	1	309062	Hex Sprocket Adapter
			Right	26	1	500330	Spring
3	1	215103	Handle Mount Plate	27	1	332528	Machine Bushing 1 1/4"
4	1	956565	Legume Box Handle	28	1	330928	Klik Pin 3/16"
5	2	01017300	HHCS 3/8" x 1" Gr 5	29	1	257097	Legume Box Shield Plt Lt.
6	2	01029800	HHCS 1/2" x 1" Gr 5	30	2	334847	Wing Nut 3/8"
7	6	334516	Set Screw 1/4-28" x 1/4"	31	1	119438	Shield Spacer Bushing
			Cone Point	32	2	431726	Sprocket #50 13T Idler
8	2	146090	Wobble Adjustment	33	1	143750	Bushing Idler 11/16"
			Bushing	34	1	213371	Walkboard Bracket Lt.
9	1	401042	Bearing				Long End
10	4	01144500	HHCS 5/16" x 3/4" Gr 5	35	1	334300	HHCS 1/2" x 3 1/2" Gr 5
11	4	01212000	Carriage Bolt	36	1	957571	Bushing Idler 1 1/2"
			1/2" x 1 1/2" Gr 5	37	1	215129	Legume Bearing Plate
12	1	213355	Walkboard Bracket Right	38	6	01011600	HHCS 5/16" x 1 1/4" Gr 5
			Long End	39	1	935080	Sprocket 2050 20T
13	1	213140	Walkboard Bracket Right				w/1" Bore
14	1	213298	Walkboard Bracket Left	40	1	935106	Sprocket 2050 30T
15			Opener Tube				w/1" Bore
	24	954123	7 1/2" Spacing	41	2	335323	Carriage Bolt 1/2" x 3" Gr 5
	22	954123	8" Spacing	42	3	03001500	Brg 1" 2B Flange w/ LC
	18	954123	10" Spacing	43	1	935098	Sprocket 2050 25T
16			Feed Tube (59 Conv.)				w/1" Bore
	24	571091	7 1/2" Spacing	44	1	571273	Nylon Idler
	22	571091	8" Spacing	45	1	184952	Idler Bracket
	18	571091	10" Spacing	46	1	431833	Chain 2050 x 25 Links
17			Feed Tube Clamp	47	1	432674	Chain 2050 x 57 Links
	48	600106	7 1/2" Spacing	49	1	957423	Sprocket & Hub 2050 16T
	44	600106	8" Spacing	50	1	331926	HHCS 1/2" x 2" Gr 5
	36	600106	10" Spacing	51	1	309658	Legume Countershaft
18	1	335620	HHCS 5/8" x 3" Gr 5				
19	1	216630	Legume End Idler Plate				
20	1	331223	Set Screw 5/8" x 1 3/4"				
			Square Head				

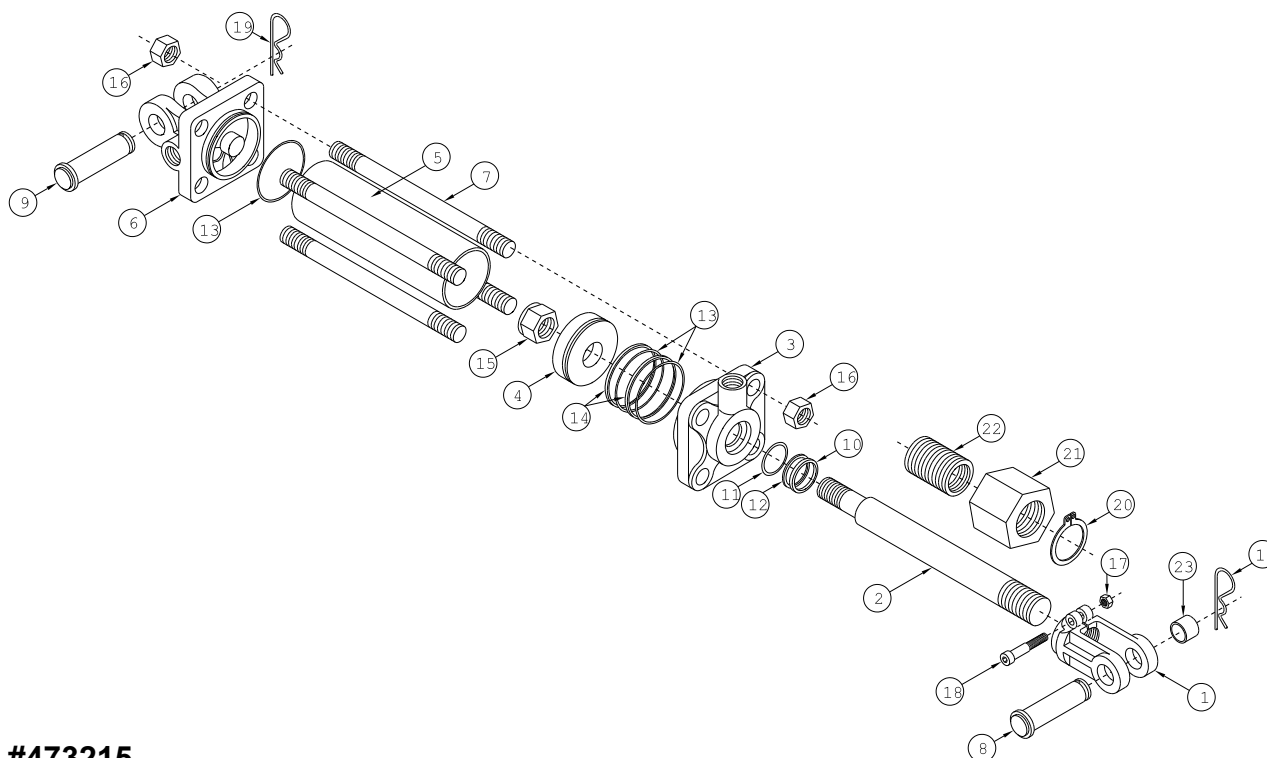
20' Legume



20' Legume

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	864926	Legume Box Assembly Lt.	33	2	309658	Legume Countershaft
	1	865014	20' x 7 1/2"	34	1	150334	Adapter Sleeve
	1	865030	20' x 8"	35	2	309765	Drive Shaft 75 1/2"
2	1	865030	20' x 10"	36	1	605683	Key 1/4" x 4 1/4"
	1	864918	Legume Box Assembly Rt.	37	1	150342	Connector Spool
	1	865006	20' x 7 1/2"	38	2	01139500	Set Screw 3/8-16 x 3/8
	1	865022	20' x 8"				Star Cup
	1	865022	20' x 10"	39	1	957423	Sprocket 2050 16T
3	1	215095	Legume mount Plate Right				w/1" Bore & 1/4" KW
4	1	216606	Legume Mount Plate Left	40	2	334516	Set Screw 1/4" x 1/4"
5	8	01212000	Carriage Bolt 1/2" x 1 1/2" Gr 5				Socket Allen Head
6	8	01144500	HHCS 5/16" x 3/4" Gr 5	41			Feed Tube Clamp
7	4	01029800	HHCS 1/2" x 1" Gr 5	64	600106		7 1/2" Spacing
8	1	257097	Leg. Box Shield Plate Left	60	600106		8" Spacing
9	1	257527	Leg. Box Shield Plate	48	600106		10" Spacing
			Right	42			Feed Tube (59 Conv.)
10	2	119438	Shield Spacer Bushing	32	571091		7 1/2" Spacing
11	2	334847	Wing Nut 3/8"	30	571091		8" Spacing
12	1	213355	Walkboard Bracket Right	24	571091		10" Spacing
			Long End	43	6	335349	Clevis Pin 1/4" x 1 5/8"
13	1	213371	Walkboard Bracket Left	44	6	337071	Cotter Pin 3/32" x 1/2"
			Long End	45	2	935098	Sprocket 2050 25T
14	1	213140	Walkboard Bracket Right				w/1" Bore
			Long Center	46	2	954131	Sprocket 2050 18T
15	1	213298	Walkboard Bracket Left				w/1" Bore
			Long Center	47			Opener Feed Tube
16	1	957431	Leg Mt. Plate Brkt Right	32	954123		7 1/2" Spacing
17	1	956573	Leg Mt. Plate Brkt Left	30	954123		8" Spacing
18	2	331223	Set Screw 5/8" x 1 3/4"	24	954123		10" Spacing
			Square Head	48	2	309062	Hex Sprocket Adapter
19	2	331538	Nut 5/8" Hex Jam	49	3	602367	Key 1/4" x 1"
20	2	216630	Legume End Idler Plate	50	2	500330	Spring 1 1/2"
21	4	01180900	HHCS 1/2" x 1 1/4" Gr 5	51	2	332528	Machine Bushing
22	3	335323	Carriage Bolt 1/2" x 3" Gr 5				1 1/4" x 3/4" x 18 ga
23	2	143750	Bushing Idler 11/16"	52	2	330928	Klik Pin 3/16"
24	4	431726	Sprocket 13T Idler	53	2	432674	Chain 2050 x 57 Links
25	2	957571	Bushing Idler 1.5"	54	2	431833	Chain 2050 x 25 Links
26	2	334300	HHCS 1/2" x 3 1/2" Gr 5	55	2	335620	HHCS 5/8" x 3" Gr 5
27	2	215129	Legume Bearing Plate	56	1	401000	Bearing 1" Don Dye
28	18	01011600	HHCS 5/16" x 1 1/4" Gr 5				w/o Ext. Race
29	9	03001500	Bearing 1" Flange Mt.	57	2	954362	Sprocket 2050 44T
30	2	184952	Idler Bracket				w/1" bore
31	2	571273	Nylon Idler				
32	2	331926	HHCS 1/2" x 2" Gr 5				

Hydraulic Cylinders



#473215

4" x 8" Hyd Cylinder

w/Depth Control

1 1/4" Ram w/ 3/4-16 SAE Ports 3000PSI

Item	CBI No.	Description
1	461095	Rod Clevis w/bushings
2	473256	Rod
3	473322	Head
4	473314	Piston
5	461293	Tube
6	473306	Clevis Base
7	473330	Tie Rod
8	463133	Clevis Pin
10	460329	Seal (wiper lip type)
16	461442	Nut
17	460691	Nut
18	460477	Cap Screw
	473280	Stop Collar Assembly
	473348	Seal Kit

#471854

1" x 2" Hyd Cylinder

(Not Shown)

472043 Seal Kit

#463703

2" x 8" Hyd Cylinder

w/o Depth Control

1 1/16" Ram

Item	CBI No.	Description
1	460295	Clevis
2	464420	Rod 1 1/16" x 8"
3	460626	Head
4	460683	Piston
5	460725	Tube
6	460741	Clevis Base
7	460758	Tie Rod
8	460451	Clevis Pin
9	460451	Clevis Pin
10	460634	Seal (wiper lip type)
11	460659	O-ring 2"
12	463034	Backup Washer
13	460642	O-ring 1 1/16"
14	460709	Backup Seal
15	460394	Piston Nut
16	460691	Tie Rod Nut
17	460691	Clevis Nut
18	460477	Cap Screw
19	460469	Clip Pin
	460782	Seal Kit

Light System

