



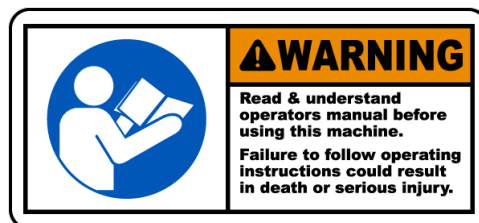
790

Hydra-Ram
SPREADERS

PARTS CATALOG



PROUDLY MADE IN THE USA





HYDRA-RAM 790 MANURE SPREADER

(SPECIFICATIONS AND DESIGN SUBJECT TO CHANGE WITHOUT NOTICE)

DIRECTION ARROW

ARROWS ARE USED WITH ILLUSTRATIONS TO INDICATE THE FRONT OF THE UNIT. “RIGHT-HAND” AND “LEFT-HAND” SIDES ARE DETERMINED BY FACING THE DIRECTION OF MACHINE FORWARD TRAVEL.

BOX ENCLOSED ILLUSTRATIONS

A REFERENCE NUMBER, SHOWN IN THE PARTS LIST, IS ASSIGNED TO A BOX ENCOMPASSING ALL PARTS SOLD AS A SERVICE ASSEMBLY.

REFERENCE NUMBER IDENTIFICATION

000-099 PARTS USED FOR ASSEMBLY
100-199 BOLTS & FASTENERS
800-899 REPLACEMENT PARTS OR SERVICE ASSEMBLIES –
USED TO REPLACE OR REBUILD COMPONENTS OF THE
MACHINE

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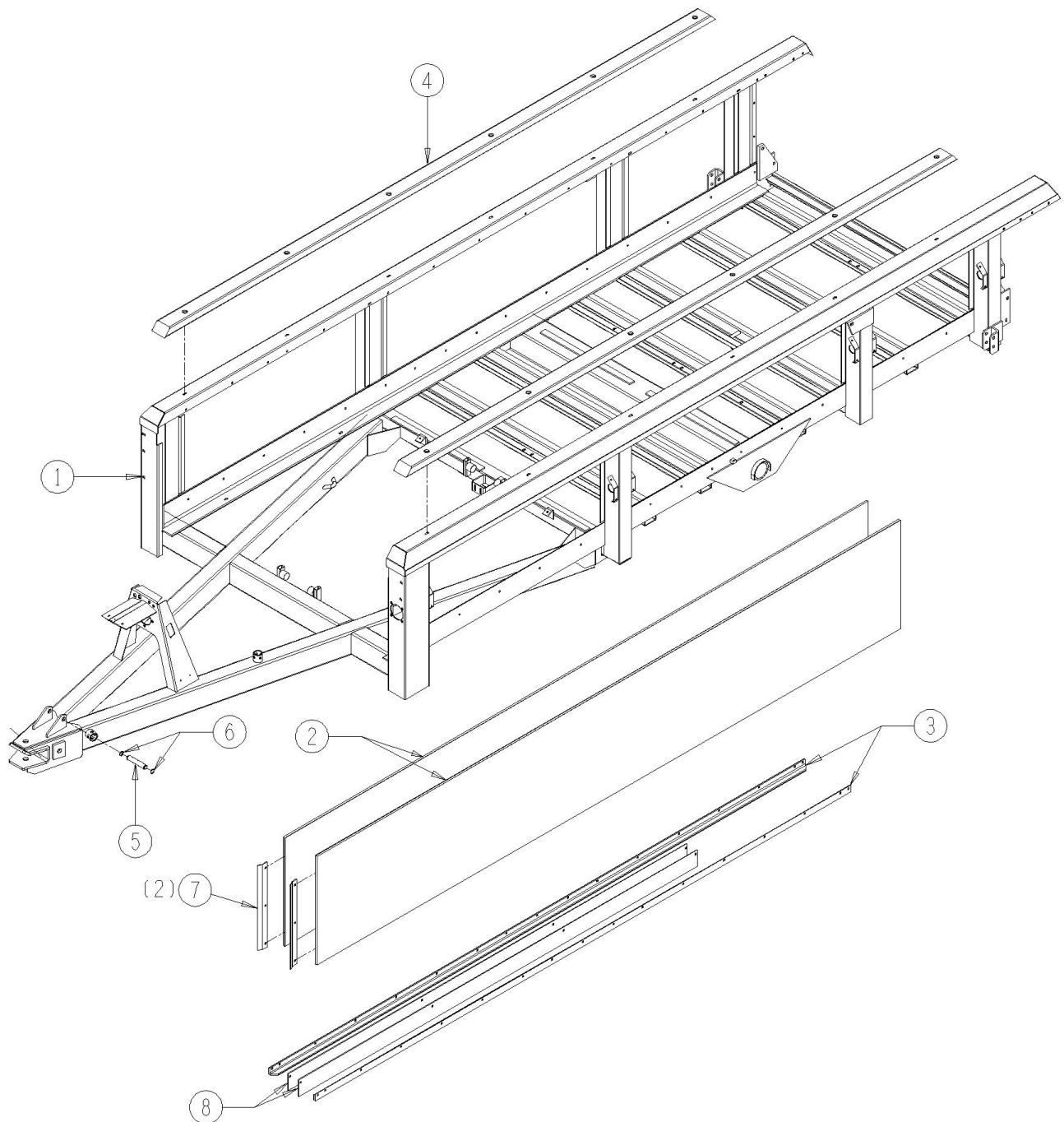
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PARTS CATALOG

7025-1-1 Main Frame and Side Panels

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR224672	Frame Weldment, 790 Spreader	1		
2	PR44538	Panel, Side Walls, 790 Spreader	2		
3	PR38365	Angle, Sliding Floor	2		
4	PR70397	Bumper Rail, Top Rail Protector	2		
5	PR30289	Cylinder Pin	1		
6	PR58806	Retaining Ring, 63/64" (.984) Shaft Size, External	2		
7	PR51604	End Cap, Front side Board, 790	2		
8	PR22488	Steel Board, Spreader Spacer	2		
101	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	22		
102	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	10		
103	BL-6-175-C	3/8 UNC X 1 3/4 CARRIAGE BOLT GR5 ZINC	30		
104	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	5		
105	BL-6-325-H	3/8 UNC X 3 1/2 HH C/S BOLT GR5 ZINC	3		
106	BL-6-350-H	3/8-16 X 3 1/2 HEX CAP G5 ZC	3		
107	BL-6-400-H	3/8-16 X 4 HEX CAP G5 ZC	1		
108	BL-6-N	3/8-16 HEX NUTS ZC	62		
109	BL-6-LW	3/8 SPLIT LW ZC	62		
110	BL-6-SW	3/8 SAE FW ZC	2		
111	BL-6-FW-8	3/8 FLAT WASHER, G8 ZC	76		
112	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	12		
113	BL-6-FFW	3/8 Finish Fender Washer, 2" OD, ZC	8		

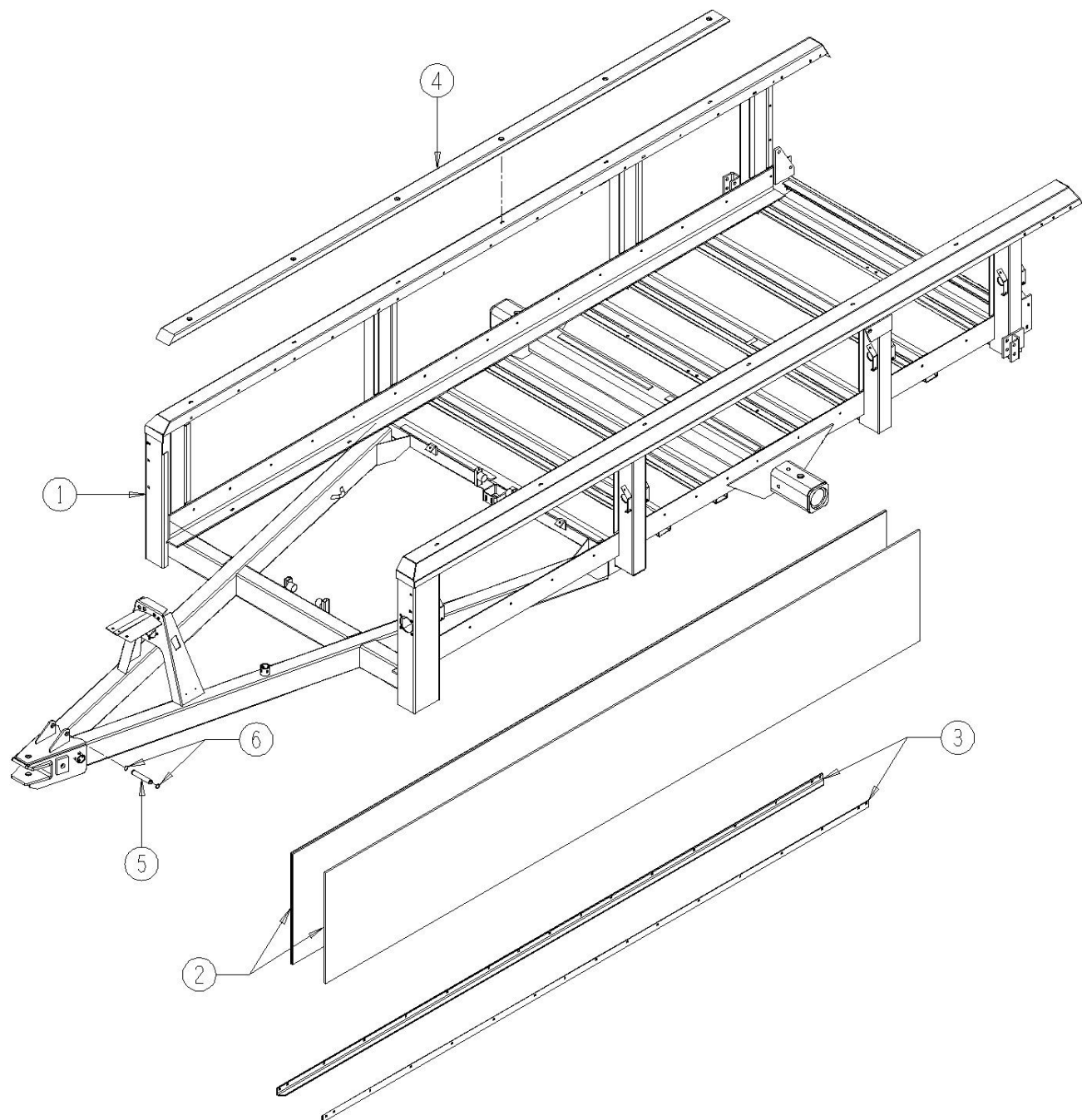
7001-1-1
MAIN FRAME & SIDE PANELS



7001-1-1.1 Main Frame,(Single Wheel) and Side Panels

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22473	Frame,Spreader 790 Single Whl.,Shaft Drive	1	PR22473	
2	PR44538	Panel, Side Walls, 790 Spreader	2		
3	PR38365	Angle, Sliding Floor	2		
4	PR39185	Bumper Rail, Top Rail Protector	2		
5	PR30289	Cylinder Pin	1		
6	PR58806	Retaining Ring, 63/64" (.984) Shaft Size, External	2		
101	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	20		
102	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	10		
103	BL-6-175-C	3/8 UNC X 1 3/4 CARRIAGE BOLT GR5 ZINC	30		
104	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	6		
105	BL-6-300-H	3/8 UNC X 3 1/2 HH C/S BOLT GR5 ZINC	3		
106	BL-6-350-H	3/8-16 X 3 1/2 HEX CAP G5 ZC	2		
107	BL-6-400-H	3/8-16 X 4 HEX CAP G5 ZC	1		
108	BL-6-N	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	60		
109	BL-6-LW	3/8 SPLIT LW ZC	60		
110	BL-6-SW	3/8 SAE FW ZC	30		
111	BL-6-FW	3/8 USS FW ZC	50		
112	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	12		

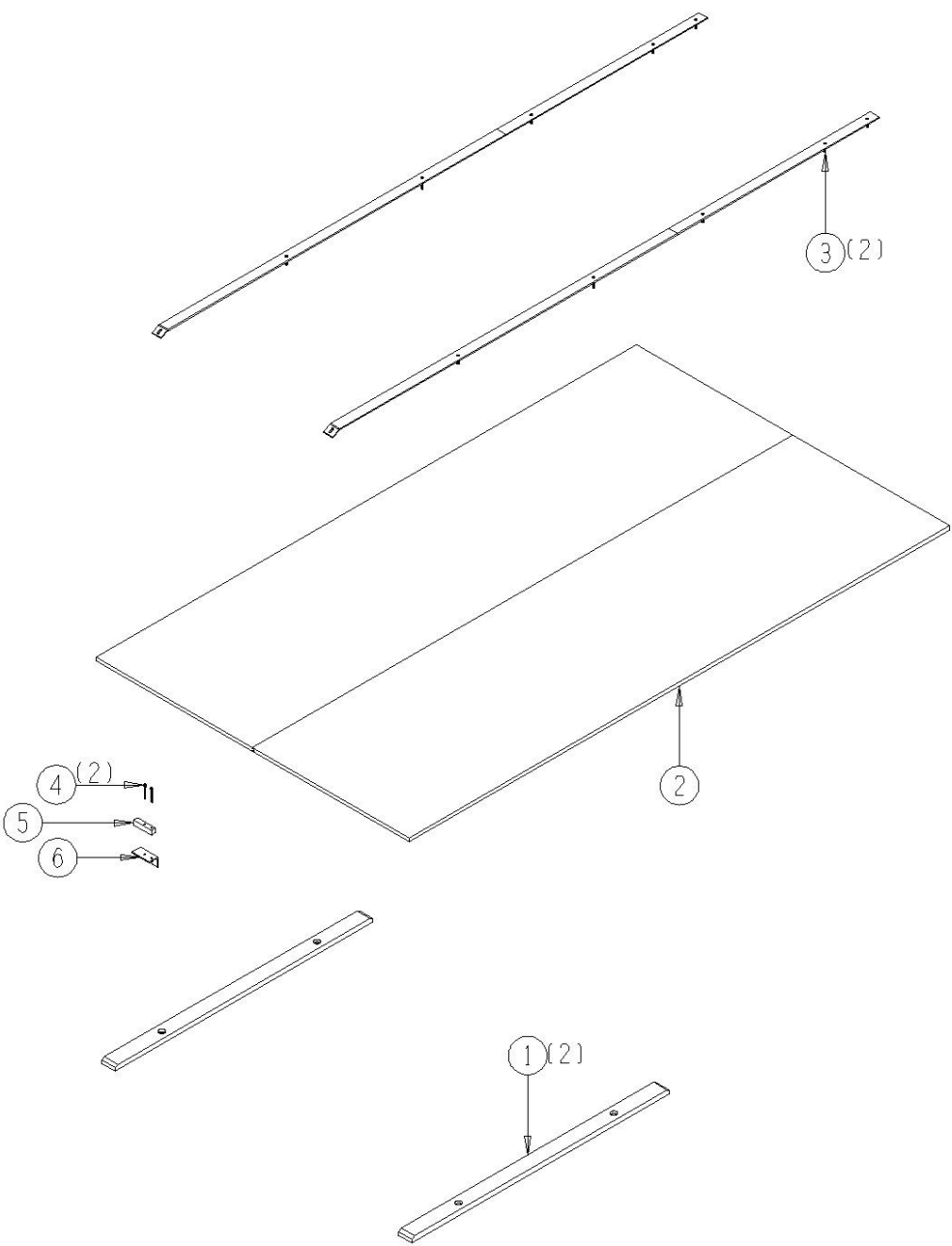
7001-1-1.1
SINGLE WHEEL MAIN FRAME & SIDE PANELS



7001-1-2 Main Floor and Guides for Sliding Floor

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR33358	Slide, Wood, Front, Spreader	2		
2	PR33279	Panel, Main Floor, Spreader, 790,1190	1		
3	PR22499	Wear Plate	2		
4	PIN-C4-32	Cotter Pin .25 x 2'	2		
5	PR32639	Support, Cylinder, UHMW	1		
6	PR33555	Angle	1		
101	BL-6-175-H	3/8-16 X 1 ¾ HHCS G5 ZC	4		
102	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	2		
103	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	2		
104	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	28		
105	BL-6-FW-8	3/8 FLAT WASHER, G8 ZC	32		
106	BL-6-SW	3/8 SAE FW ZC	2		
107	BL-6-N	3/8-16 HEX NUTS ZC	2		
108	BL-6-LW	3/8 SPLIT LW ZC	2		

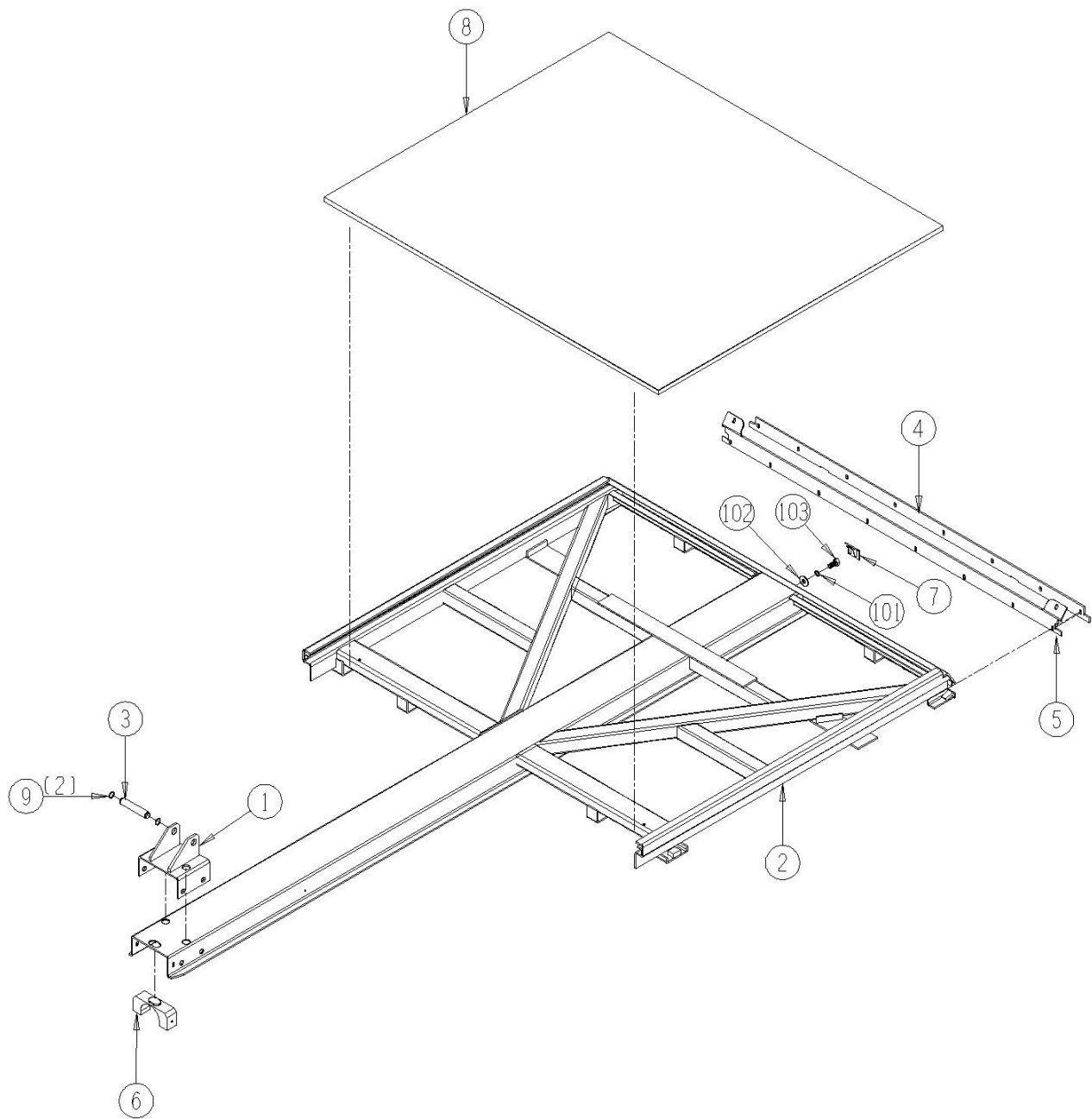
7001-1-2
MAIN FLOOR AND GUIDES FOR SLIDING FLOOR



7001-1-3 Sliding Floor

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23219	Support, Cylinder Mount, Sliding Floor	1		
2	PR25881	Sliding Floor, Inside, Spreader, 790,1190	1		
3	PR30289	Cylinder Pin	1		
4	PR33356	Belting, Sliding Floor, HB, No Center Strap	1		
5	PR33354	Retaining Bar, Sliding Floor, 790,1190	1		
6	PR38758	Plastic Guide, Hydraulic Cylinder, Sliding Floor	1		
7	PR38760	Plug, Sliding Floor, Spreader	1		
8	PR44533	Panel, Sliding Floor, Spreader 790,1190	1		
9	PR58806	Retaining Ring, 63/64' (.984) Shaft Size, External	2		
101	BL-10-LW	5/8 SPLIT LW ZC	1		
102	BL-10-FW-8	5/8' Grade 8 Flat Washer	2		
103	BL-M16-40	Hex Bolt, 16mm x 40mm	1		
104	BL-6-350-C	3/8 UNC X 3 1/2 CARRIAGE BOLT GR5 ZINC	2		
105	BL-5-125-SS	5/16-18 x 1 1/4 Hex Cap, Stainless Steel	8		
106	BL-10-150-H	5/8-11 X 1 1/2 HEX CAP G5 ZC	4		
108	BL-6-SW	3/8 SAE FW ZC	2		
109	BL-10-LN	5/8-11 HEX LN NE ZC	4		
110	BL-10-SW	5/8 SAE FW ZC @	4		
111	BL-5-FW	5/16 USS FW ZC	8		
112	BL-5-LW	5/16 SPLIT LW ZC	8		
114	BL-6-LW	3/8 SPLIT LW ZC	2		

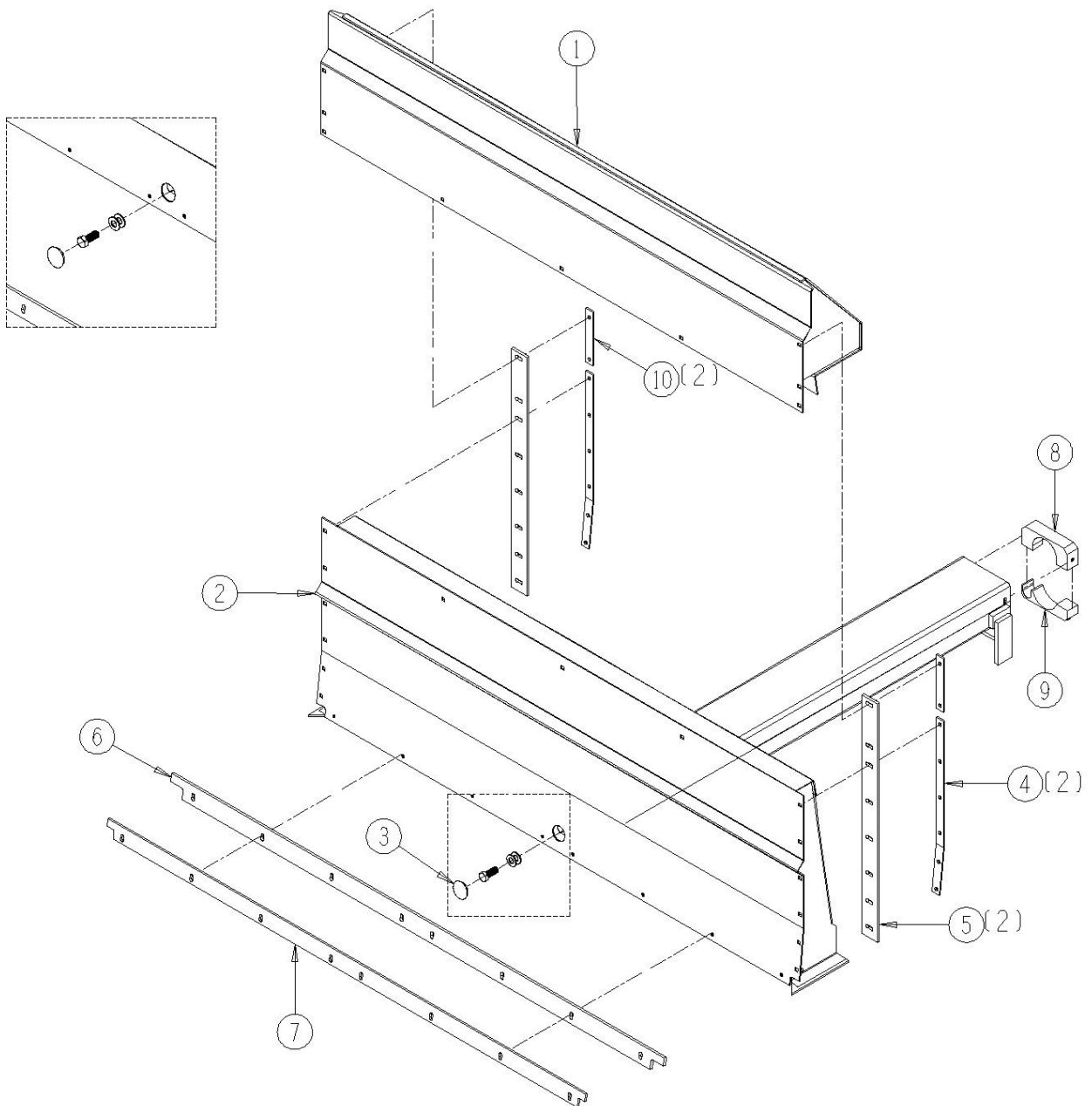
7001-1-3 SLIDING FLOOR



7001-1-4 Moving Panel

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22461	Extension, Moving Panel, Spreader	1		
2	PR25872	Front Panel, Sliding, Spreader	1		
3	PL-0024	Plastic, Nylon, 1-3/4" Hole Plug, Locking, Unvented	1		
4	PR33435	Strap, Moving Panel, Spreader	2		
5	PR33440	Flap, Moving Panel Scraper Belt, Spreader	2		
6	PR33441	Flap, Moving Panel Scraper Belting, Bottom	1		
7	PR33443	Retaining Bar, Moving Panel, Bottom	1		
8	PR34750	Guide, Plastic, Cylinder Holder, Moving Panel	1		
9	PR34751	Guide, Plastic, Cylinder Mount, Lower, Moving Pnl	1		
10	PR34268	Retainer Bar, Top, Side Scraper, Moving Panel	2		
101	BL-6-075-C	3/8 UNC X 3/4 CARRIAGE BOLT GR5 ZINC	3		
102	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	16		
104	BL-5-125-H	5/16-18 X 1 1/4 HEX CAP G5 ZC	8		
107	BL-6-SW	3/8 SAE FW ZC	19		
110	BL-5-FW	5/16 USS FW ZC	8		
111	BL-5-LN	5/16-18 HEX LN NE ZC	8		
113	BL-6-N	3/8-16 HEX NUTS ZC	19		
114	BL-6-LW	3/8 SPLIT LW ZC	19		

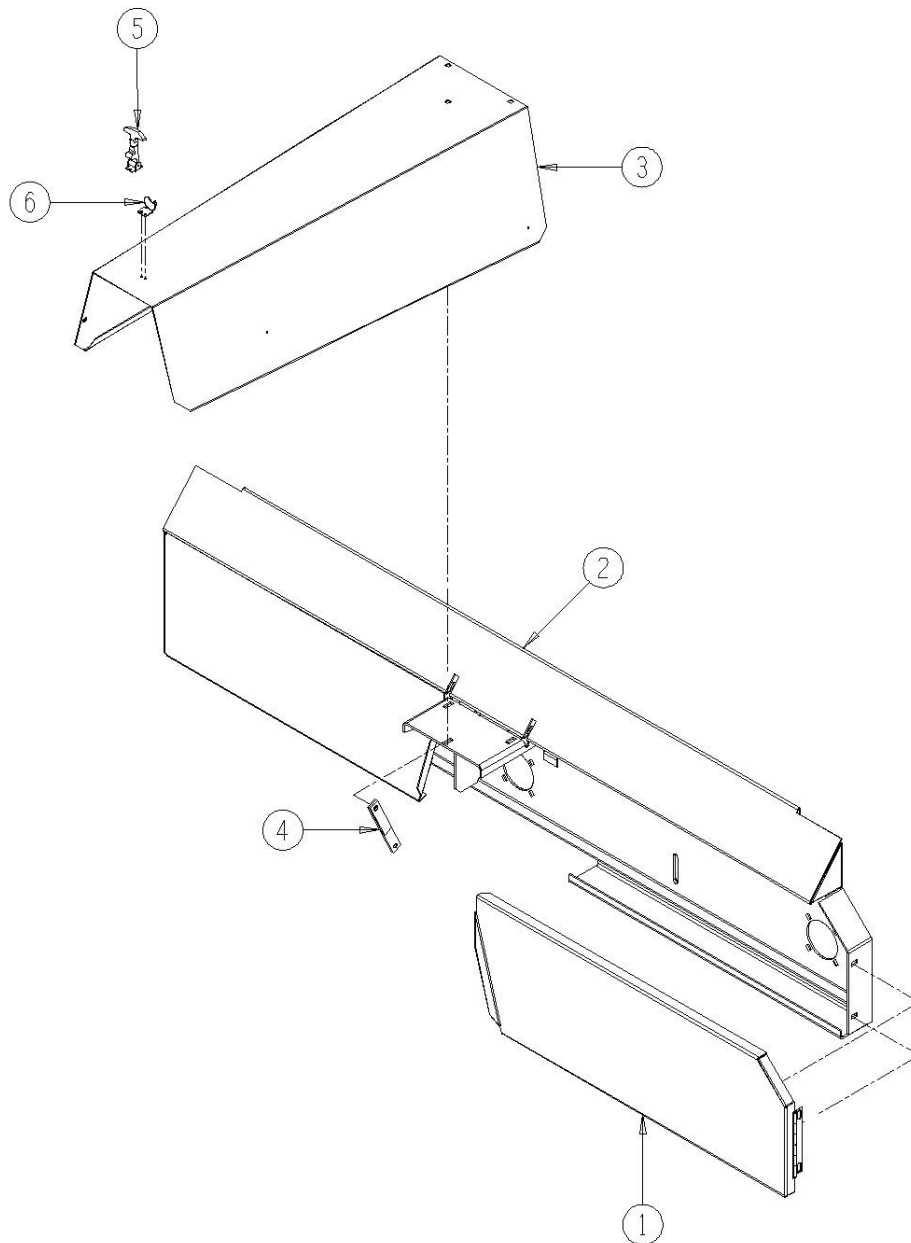
7001-1-4
MOVING PANEL



7001-1-5 Front Panel and Shields

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22401	Shield, Left Side, Front Panel, Spreader	1		
2	PR22402	Panel, Front, Bearing & Shield Mount, Spreader	1		
3	PR23551	Hood, PTO Shield, Bolted to Front Panel, Spreader	1		
4	PR24569	Link, Shield, Front Panel	1		
5	LA-703	Large Rubber T Latch Assembly	1		
7	PIN-C2-16	Cotter Pin, 1/8" x 1"	1		
101	BL-8-125-C	1/2 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	5		
102	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	3		
103	BL-6-075-C	3/8 UNC X 3/4 CARRIAGE BOLT GR5 ZINC	2		
104	RI-3-66-P	Pop Rivets 3/16 x 1/2 Domed, .625 head , ea.	2		
106	BL-6-FW	3/8 USS FW ZC	5		
108	BL-6-LW	3/8 SPLIT LW ZC	5		
109	BL-6-N	3/8-16 HEX NUTS ZC	5		
111	BL-8-N	1/2-13 HEX FIN NUTS ZC	5		
112	BL-8-LW	1/2 SPLIT LW ZC	5		
113	BL-8-FW	1/2 USS FW ZC	5		

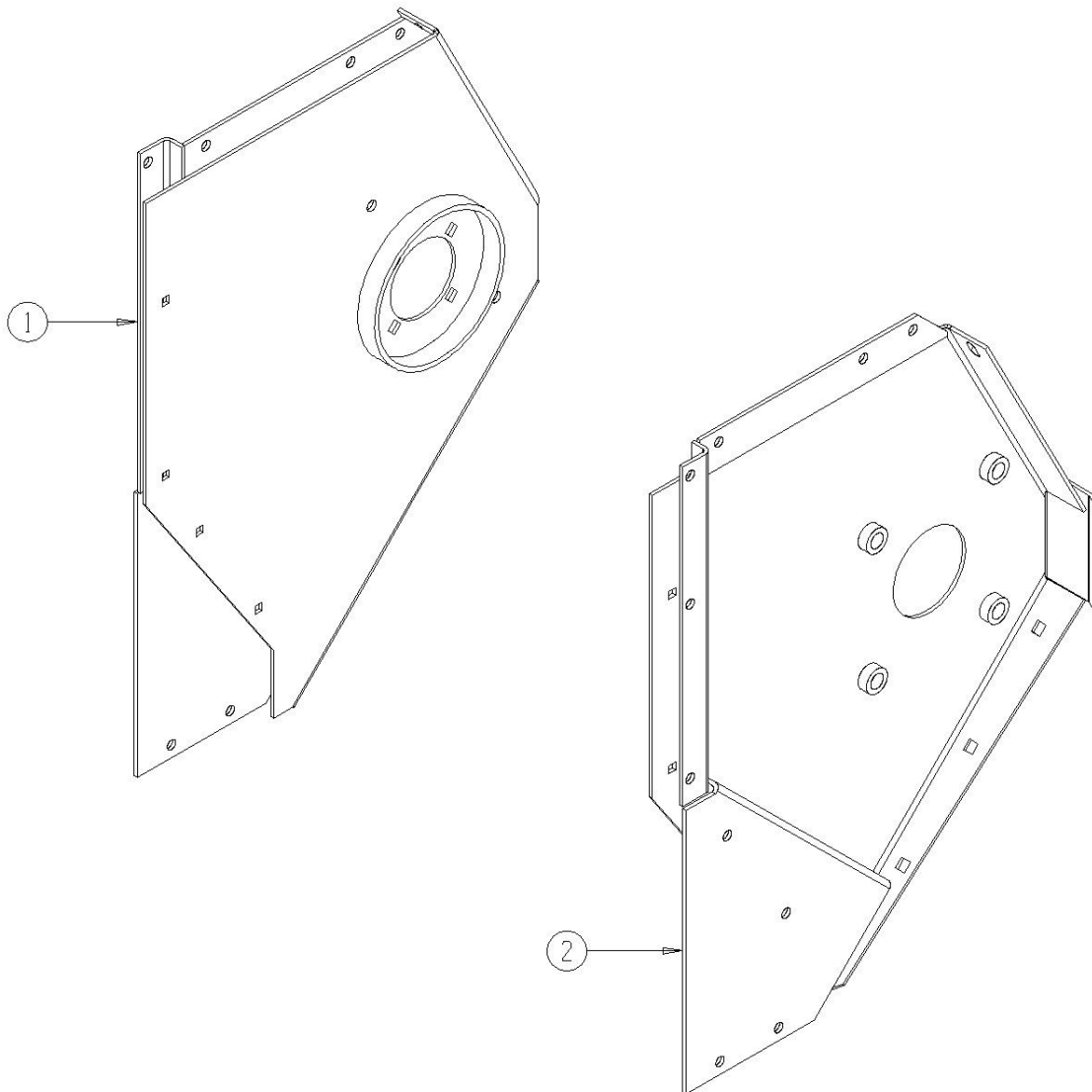
7001-1-5
FRONT PANEL AND SHIELDS



7001-1-6 Beater Support Panels

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22464	Panel, Beater Support, RH, Spreader	1		
2	PR39020	Panel, Beater Support, LH, Spreader	1		
101	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	10		
102	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	10		
103	BL-6-N	3/8-16 HEX NUTS ZC	20		
104	BL-6-LW	3/8 SPLIT LW ZC	20		
105	BL-6-SW	3/8 SAE FW ZC	16		
106	BL-6-FW-8	3/8 FLAT WASHER, G8 ZC	4		

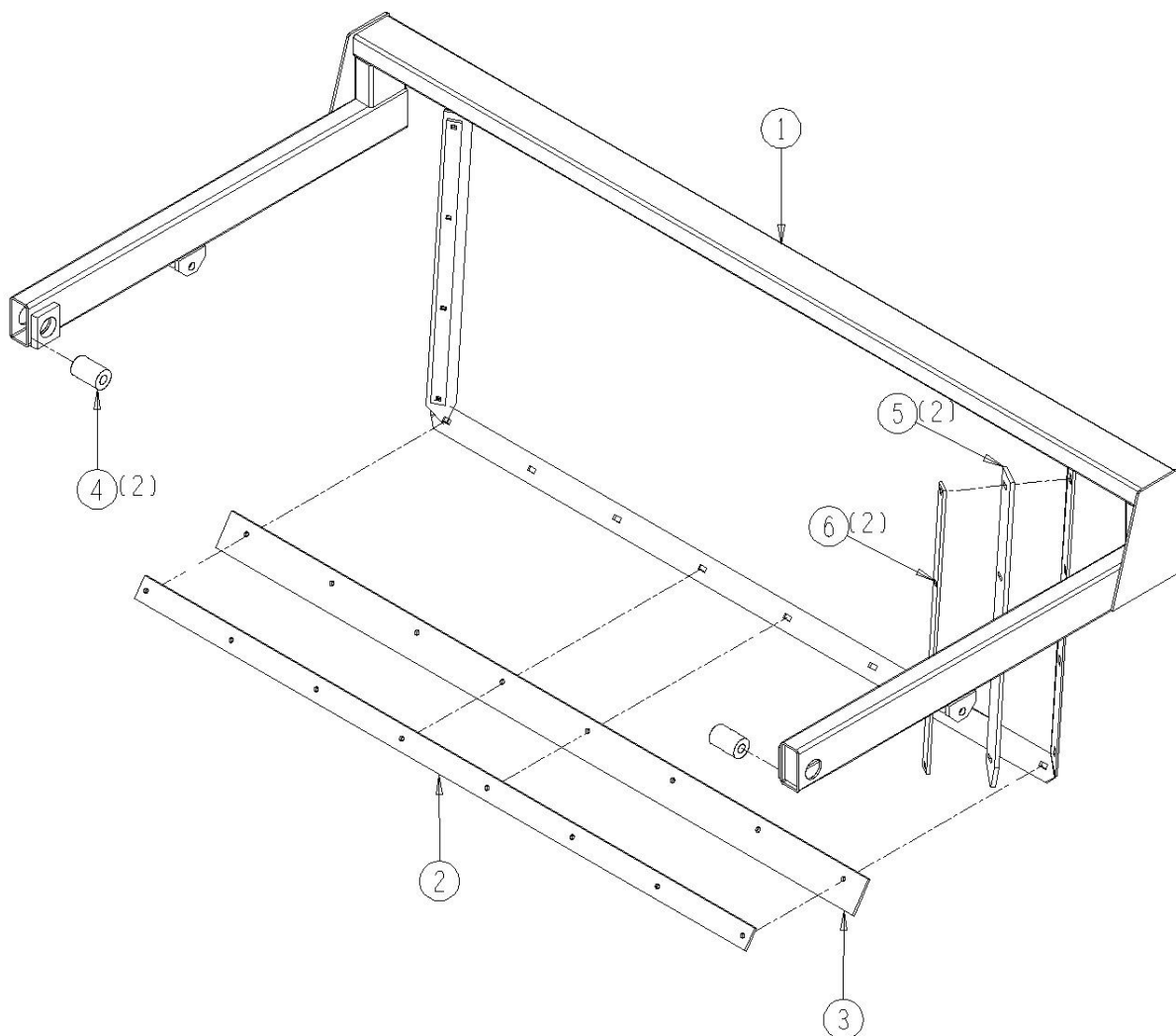
7001-1-6
BEATER SUPPORT PANELS



7001-1-7 Endgate

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR39046	End Gate Wldmt, Spreader	1		
2	PR39063	Bar, Bottom, Belting Holder, End Gate, Spreader	1		
3	PR39064	Belting, Bottom, End Gate, Spreader	1		
4	PR39065	Spacer, Pivot End Bushing, End Gate, Spreader	2		
5	PR39062	Belting, Side, End Gate, Spreader	2		
6	PR39061	Bar, Side Belting Holder, End Gate, Spreader	2		
101	BL-12-450-8	¾" x 4 1/2", HH C/S G8 ZC	2		
104	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	16		
107	BL-12-FW-8	¾" Grade 8 Flat Washer	4		
108	BL-12-LN	¾" Lock Nuts w/Nylon Inserts	2		
110	BL-6-N	3/8-16 HEX NUTS ZC	16		
111	BL-6-LW	3/8 SPLIT LW ZC	16		
112	BL-6-SW	3/8 SAE FW ZC	16		

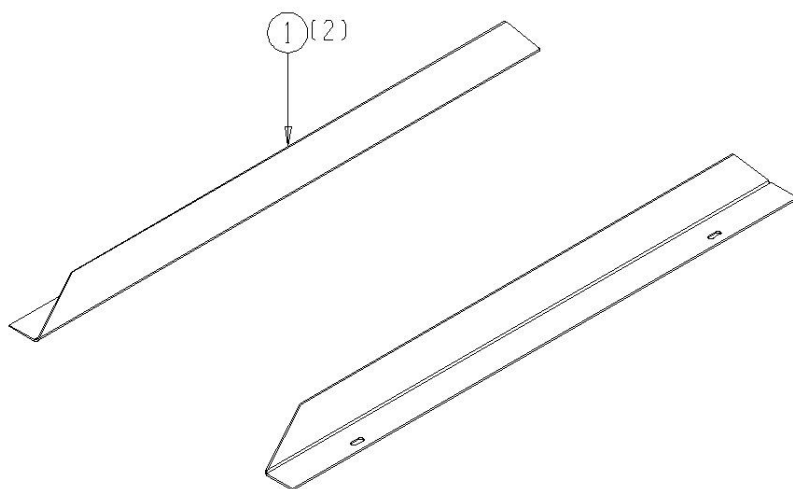
7001-1-7
ENDGATE



7001-1-8 Front Splash Guard

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR39182	Splash Guard, 790 & 1190	2		

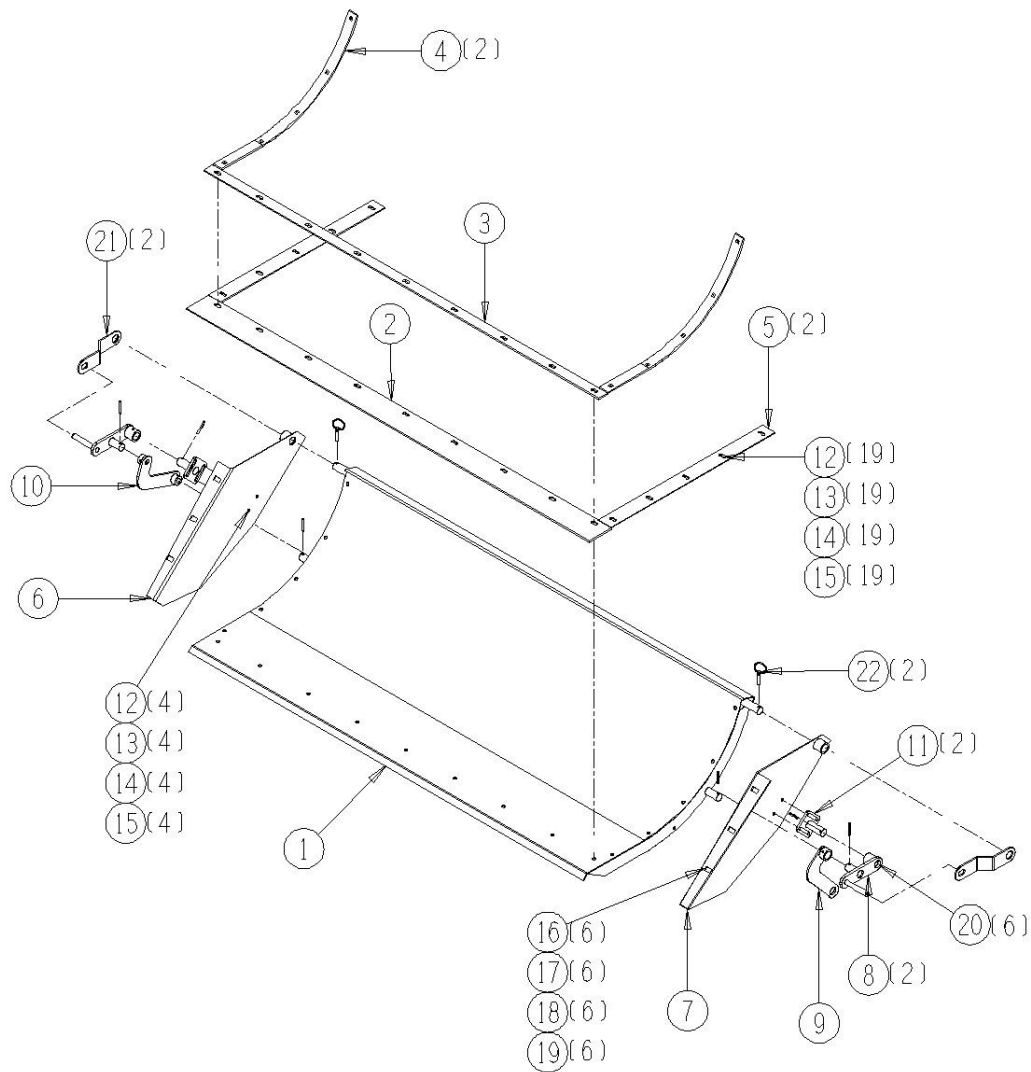
7001-1-8
FRONT SPLASH GUARD



7001-1-9 Slurry Pan

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR25110	Slurry Pan	1	PR25110	
2	BT-0081	Seal Slurry Pan 790 Spreader	1	BT-0081	
3	BAR-0081	Backing Bar Slurry Pan Spreader	1	BAR-0081	
4	BAR-0080	Belting Backing Bar 790 Slurry Pan	2	BAR-0080	
5	BT-0080	Belting Slurry Pan Spreader	2	BT-0080	
6	PR25111	Slurry Pan Right Side Mount	1	PR25111	
7	PR25112	Slurry Pan Left Side Mount	1	PR25112	
8	ADJ-0080	Adjuster Handle Slurry Pan	2	ADJ-0080	
9	ADJ-0082	Adjuster Linkage Slurry Pan Right	1	ADJ-0082	
10	ADJ-0081	Adjuster Linkage Slurry Pan Left	1	ADJ-0081	
11	ADJ-0083	Adjuster Pivot Slurry Pan	2	ADJ-0083	
12	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	23		
13	BL-6-SW	3/8 SAE FW ZC	23		
14	BL-6-LW	3/8 SPLIT LW ZC	23		
15	BL-6-N	3/8-16 HEX NUTS ZC	23		
16	BL-8-125-C	1/2 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	6		
17	BL-8-SW	1/2 SAE FW ZC	6		
18	BL-8-LW	1/2 SPLIT LW ZC	6		
19	BL-8-N	1/2-13 HEX FIN NUTS ZC	6		
20	PIN-4-28	Roll Pin 1/4" x 1.75"	6		
21	ADJ-0084	Locking Bar, Slurry Pan	2		
22	PIN-250L	1/4" Lynch Pin	2		
23	GF-1428	Grease Fitting 1/4" x 28 straight	6		

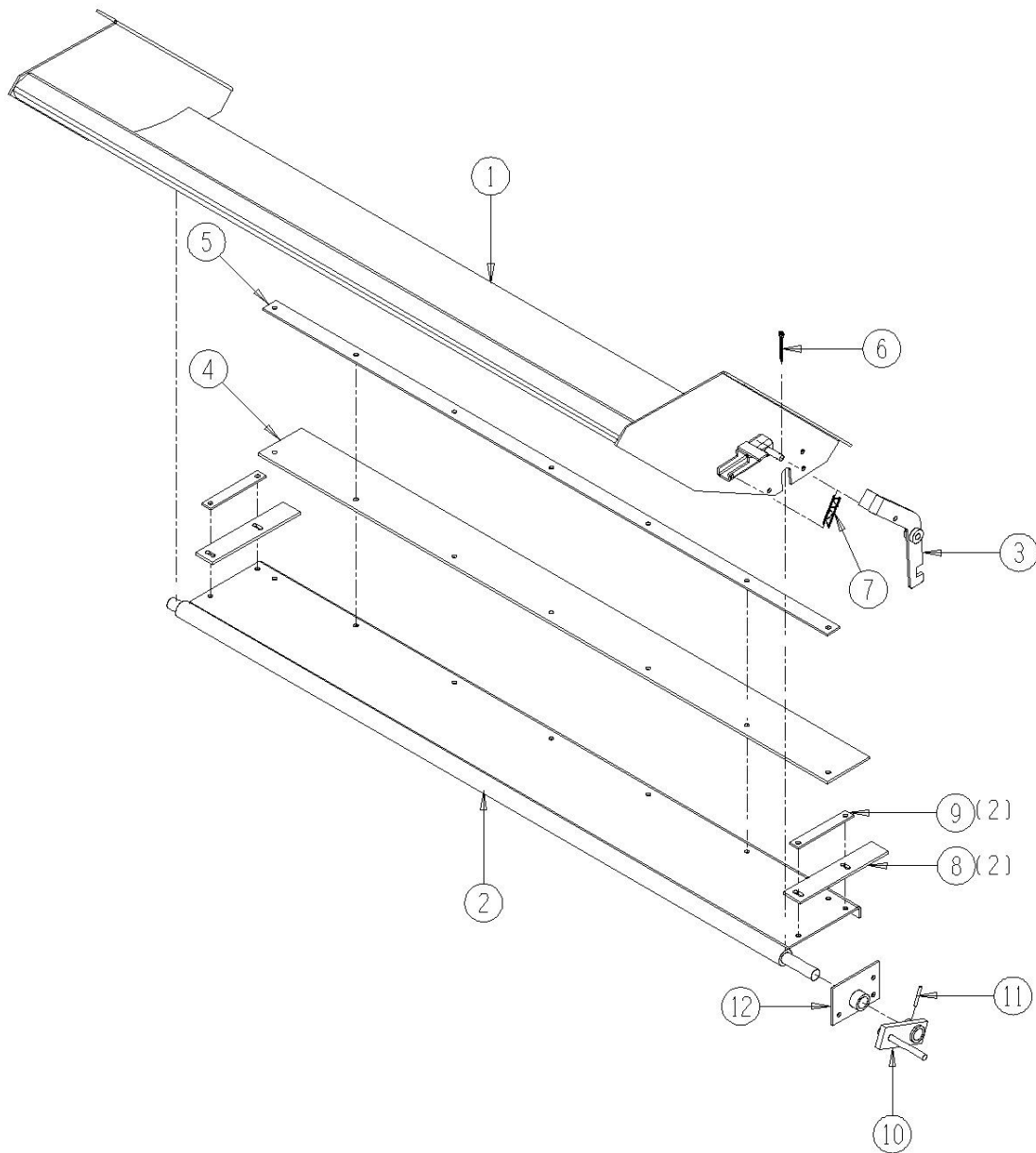
7001-1-9
SLURRY PAN S.N. 70006001-



7001-1-9A Slurry Pan S.N.-70006001

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR25106	End Pan	1		
2	PR25107	Gate, End Pan	1		
3	PR25109	Handle, End Pan	1		
4	PR37634	Belting, Bottom, Slurry Pan, Spreader	1	790, 1190	
5	PR37633	Strap, Belting Support, Slurry Pan, Spreader	1	790, 1190	
6	PIN-C2-16	Cotter Pin, 1/8" x 1"	1		
7	SPG-96543	Extension Spring for Spreader	1		
8	PR37635	Belting, Side, Slurry Pan, Spreader	2	790, 1190	
9	PR37637	Bar, Belting Retainer, Slurry Pan, Spreader	2	790, 1190	
10	PR25105	Latch Arm, Gate, End Pan	1		
11	PIN-4-28	Roll Pin 1/4" x 1.75"	1		
12	PR25115	Latch Plate, Slurry Pan	1		
101	BL-8-125-C	1/2 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	6		
102	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	3		
103	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	11		
104	BL-8-N	1/2-13 HEX FIN NUTS ZC	6		
105	BL-8-LW	1/2 SPLIT LW ZC	6		
106	BL-6-SW	3/8 SAE FW ZC	24		
107	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	14		
108	BL-8-SW	1/2 SAE FW ZC	6		

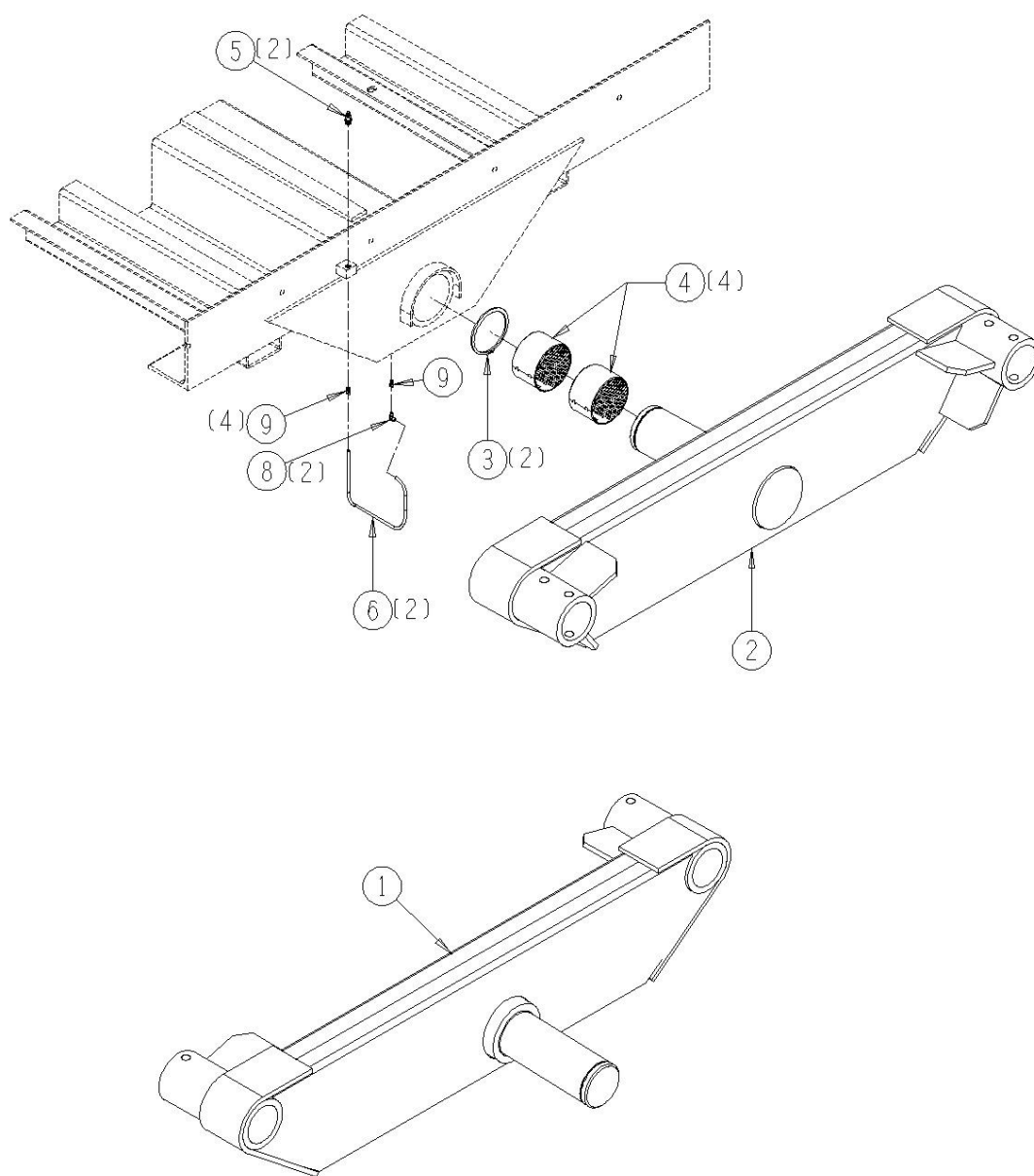
7001-1-9A
SLURRY PAN S.N.-70006001



7001-1-10 Walking Beam

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22990	Walking Beam, Right, Slides Into Axle, Spreader	1		
2	PR22989	Walking Beam, Left, Slides Into Axle, Spreader	1		
3	PR43595	Retaining Ring, 3 1/2', External	2		
4	PR34413	Bronze Bushing for Spreader, 3-1/2' Dia Shaft	4		
5	GF-1827	Grease Fitting 1/8 NPT Straight	2		
6	H2-20-2MP-2MP	1/8in Grease Hose x 1/8MP x 1/8MP x 20in Long	2		
7	DC-0010	Decal, Grease Every 10 hrs.	2		
8	A-1501-2-2	1/8' MP x 1/8' FPX90°	2		
9	A-1404-2-2	1/8 MP x 1/8 FPX	4		
101	BL-10-500-H	5/8-11 X 5 HEX CAP G5 ZC	4		
102	BL-10-LN	5/8-11 HEX LN NE ZC	4		

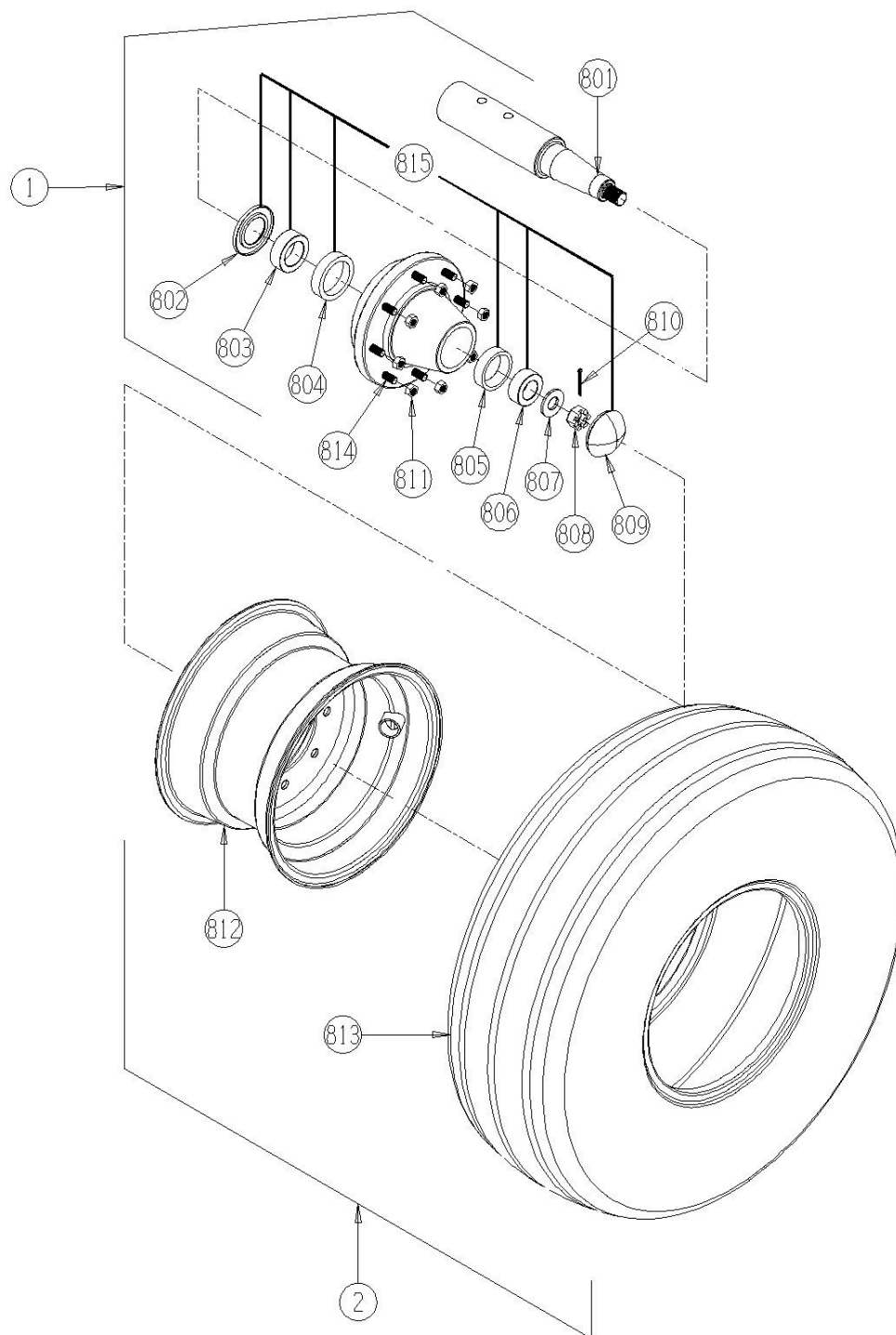
7001-1-10 WALKING BEAM



7001-1-11 Wheel, Hub and Bearings (Implement Tires)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-3000	Hub Assembly Complete (includes spindle)	4		Harvesters use WHL-3000-2
2	WHM-1514	16.5-16.1 Tire & Wheel Assembly (Spreader, Tubeless)	4	790	
801	WHL-3001	Spindle 3" x 16"	4	WHL-3000	
802	WHL-3000G	Seal	4	WHL-3000	
803	WHL-3000C	Inner Cone	4	WHL-3000	
804	WHL-3000A	Inner Cup	4	WHL-3000	
805	WHL-3000B	Outer Cup	4	WHL-3000	
806	WHL-3000D	Outer Cone	4	WHL-3000	
807	WHL-3000K	Spindle Washer	4	WHL-3000	
808	WHL-3000J	Spindle Nut	4	WHL-3000	
809	WHL-3000H	Hub Cap	4	WHL-3000	3 1/8 od
810	PIN-C3-16-32	Cotter Pin 3/16 x 2"	4		
811	WHL-3000F	Lug Nut	32	WHL-3000	
812	WHL-1614	16 x 14 Wheel 8-8-6 (3/8 Positive Offset)	4		
813	WHT-1614	16.5 x 16.1 14 Ply Ribbed Implement Tire (Spreader, Tubeless)	4		
814	WHL-3000E	Stud Bolt	32	WHL-3000	
815	WBR-3000K	Wheel Bearing Kit for WHL-3000 Hub & Spindle Assy.	4	WHL-3000	

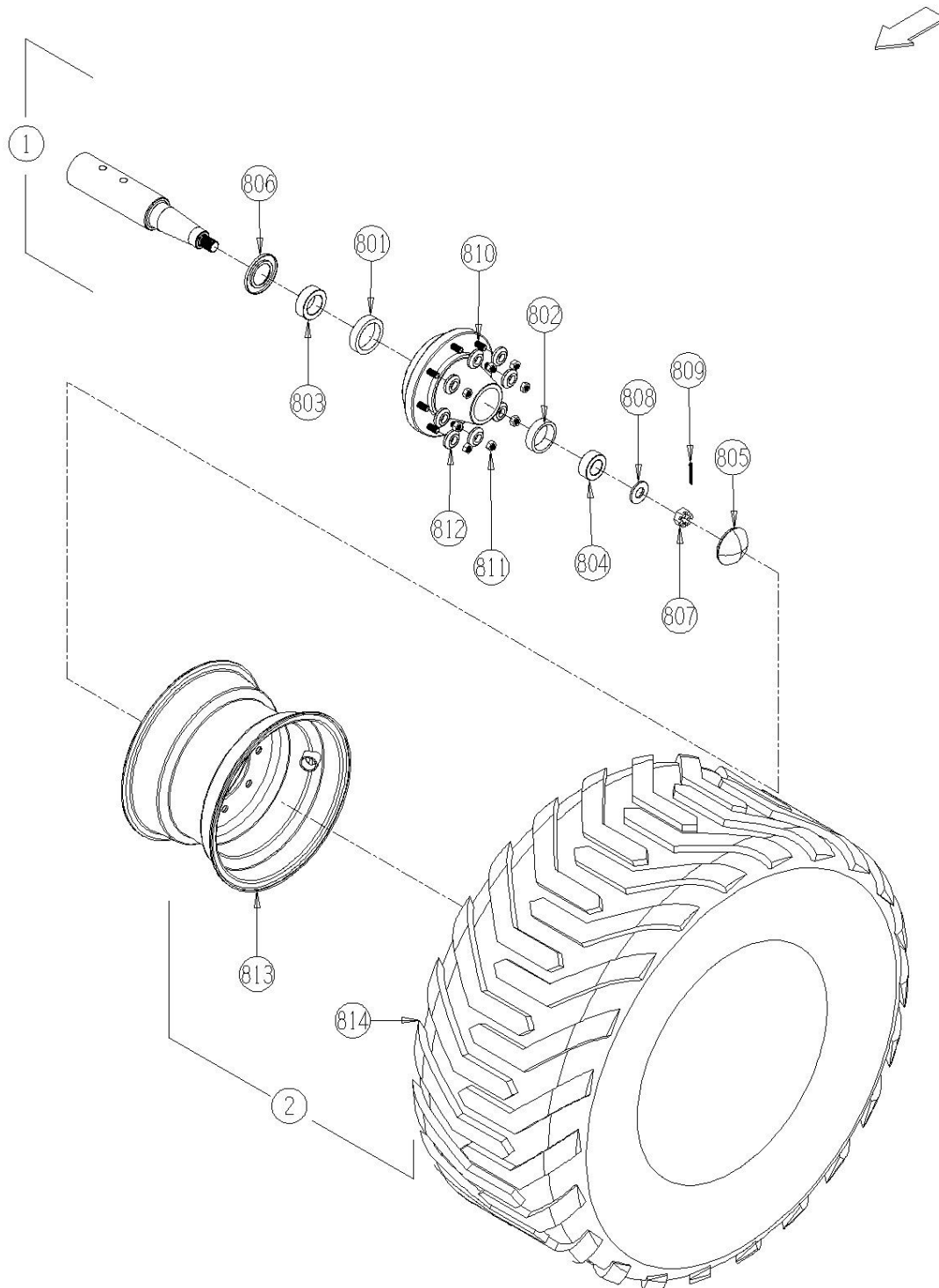
7001-1-11
WHEEL, HUB & BEARINGS
(IMPLEMENT TIRES)



7001-1-11.1 Optional- Wheel & Hub (500/50-22.5)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-3000	Hub Assembly Complete (includes spindle), Painted Black	4		Harvesters use WHL-3000-2
2	WHM-7111	550/50-22.5 Tire & Wheel Assy	4		
801	WHL-3001	Spindle 3' x 16'	4	WHL-3000	
802	WHL-3000G	Seal	4	WHL-3000	
803	WHL-3000C	Inner Cone	4	WHL-3000	
804	WHL-3000A	Inner Cup	4	WHL-3000	
805	WHL-3000B	Outer Cup	4	WHL-3000	
806	WHL-3000D	Outer Cone	4	WHL-3000	
807	WHL-3000K	Spindle Washer	4	WHL-3000	
808	WHL-3000J	Spindle Nut	4	WHL-3000	
809	WHL-3000H	Hub Cap	4	WHL-3000	3 1/8 od
810	PIN-C3-16-32	Cotter Pin 3/16 x 2'	4		
811	WHL-3000F	Lug Nut	32	WHL-3000	
812	WHL-7111	Wheel, 22.5 x 16 6MM 12MM 8 Hole 6' Pilot, .75 Camfer, 0 Offset	4		
813	WHT-7111	Tire, 560/50-22.5, 16 Ply FLOT648 TL	4		
814	WHL-3000E	Stud Bolt	32	WHL-3000	
815	WBR-3000K	Wheel Bearing Kit for WHL-3000 Hub & Spindle Assy.	4	WHL-3000	

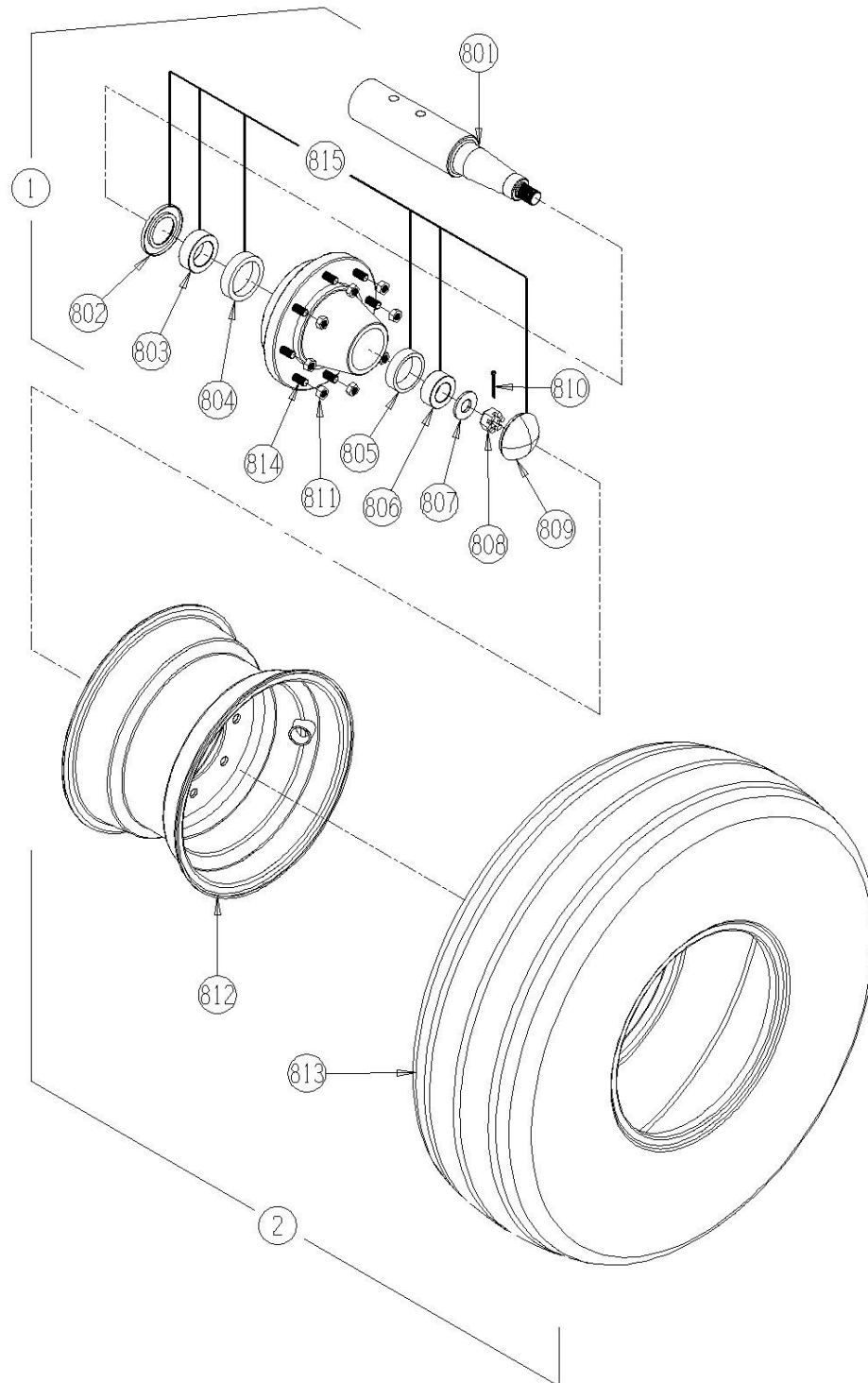
7001-1-11.1 OPTIONAL WHEEL & HUB



7001-1-12 Optional - Wheel, Hub and Bearings (Truck Tires)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-3000	Hub Assembly Complete (includes spindle)	4		Harvesters use WHL-3000-2
2	WHM-7107	11.00-22.5 Tire & Wheel Assy.	4		
801	WHL-3001	Spindle 3" x 16"	4	WHL-3000	
802	WHL-3000G	Seal	4	WHL-3000	
803	WHL-3000C	Inner Cone	4	WHL-3000	
804	WHL-3000A	Inner Cup	4	WHL-3000	
805	WHL-3000B	Outer Cup	4	WHL-3000	
806	WHL-3000D	Outer Cone	4	WHL-3000	
807	WHL-3000K	Spindle Washer	4	WHL-3000	
808	WHL-3000J	Spindle Nut	4	WHL-3000	
809	WHL-3000H	Hub Cap	4	WHL-3000	3 1/8 od
810	PIN-C3-16-32	Cotter Pin 3/16 x 2"	4		
811	WHL-3000F	Lug Nut	32	WHL-3000	
812	WHL-7107	22.5 x 8.25 Wheel - 8-8-6 - 3/8" Positive Offset	4		
813	WHT-7107	11-22.5 Recapped Implement Tire	4		
814	WHL-3000E	Stud Bolt	32	WHL-3000	
815	WBR-3000K	Wheel Bearing Kit for WHL-3000 Hub & Spindle Assy.	4	WHL-3000	
816	WHT-1021	1000-20 Tube	4	WHT-1020 OR WHT-7107	

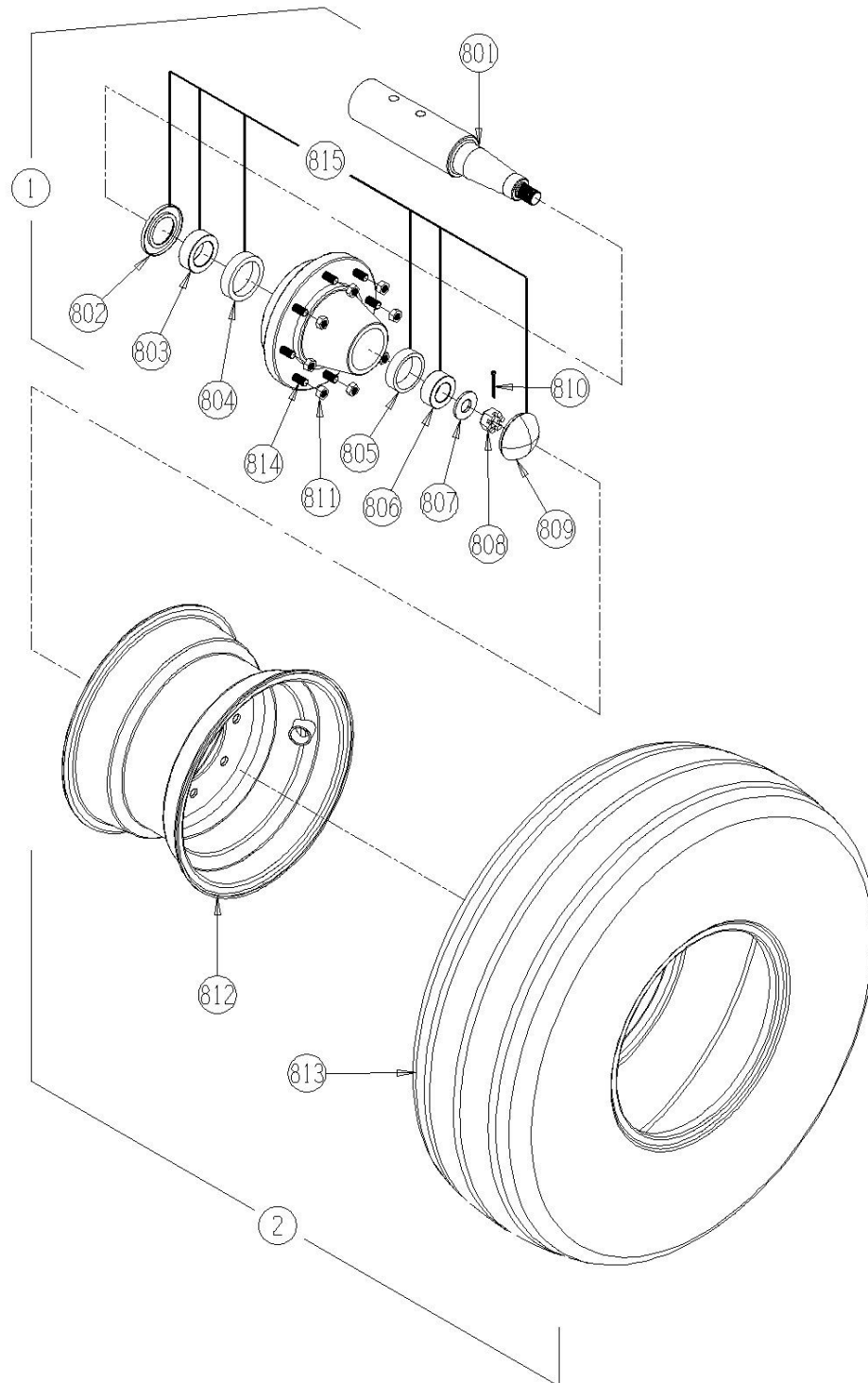
7001-1-12
 OPTIONAL WHEEL, HUB & BEARINGS
 (TRUCK TIRES)



7001-1-13 Optional - Wheel & Hub (385 Truck Tires)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-3000	Hub Assembly Complete (includes spindle)	4		Harvesters use WHL-3000-2
2	WHM-7106	385/65R22.5 Tire & Wheel Assy	4	790	
801	WHL-3001	Spindle 3" x 16"	4	WHL-3000	
802	WHL-3000G	Seal	4	WHL-3000	
803	WHL-3000C	Inner Cone	4	WHL-3000	
804	WHL-3000A	Inner Cup	4	WHL-3000	
805	WHL-3000B	Outer Cup	4	WHL-3000	
806	WHL-3000D	Outer Cone	4	WHL-3000	
807	WHL-3000K	Spindle Washer	4	WHL-3000	
808	WHL-3000J	Spindle Nut	4	WHL-3000	
809	WHL-3000H	Hub Cap	4	WHL-3000	3 1/8 od
810	PIN-C3-16-32	Cotter Pin 3/16 x 2"	4		
811	WHL-3000F	Lug Nut	32	WHL-3000	
812	WHL-7106	22.5 X 11.75 Wheel 8-8-6 3/8" positive offset	4		
813	WHT-7106	Used Truck Tire 385/65R22.5	4		
814	WHL-3000E	Stud Bolt	32	WHL-3000	
815	WBR-3000K	Wheel Bearing Kit for WHL-3000 Hub & Spindle Assy.	4	WHL-3000	

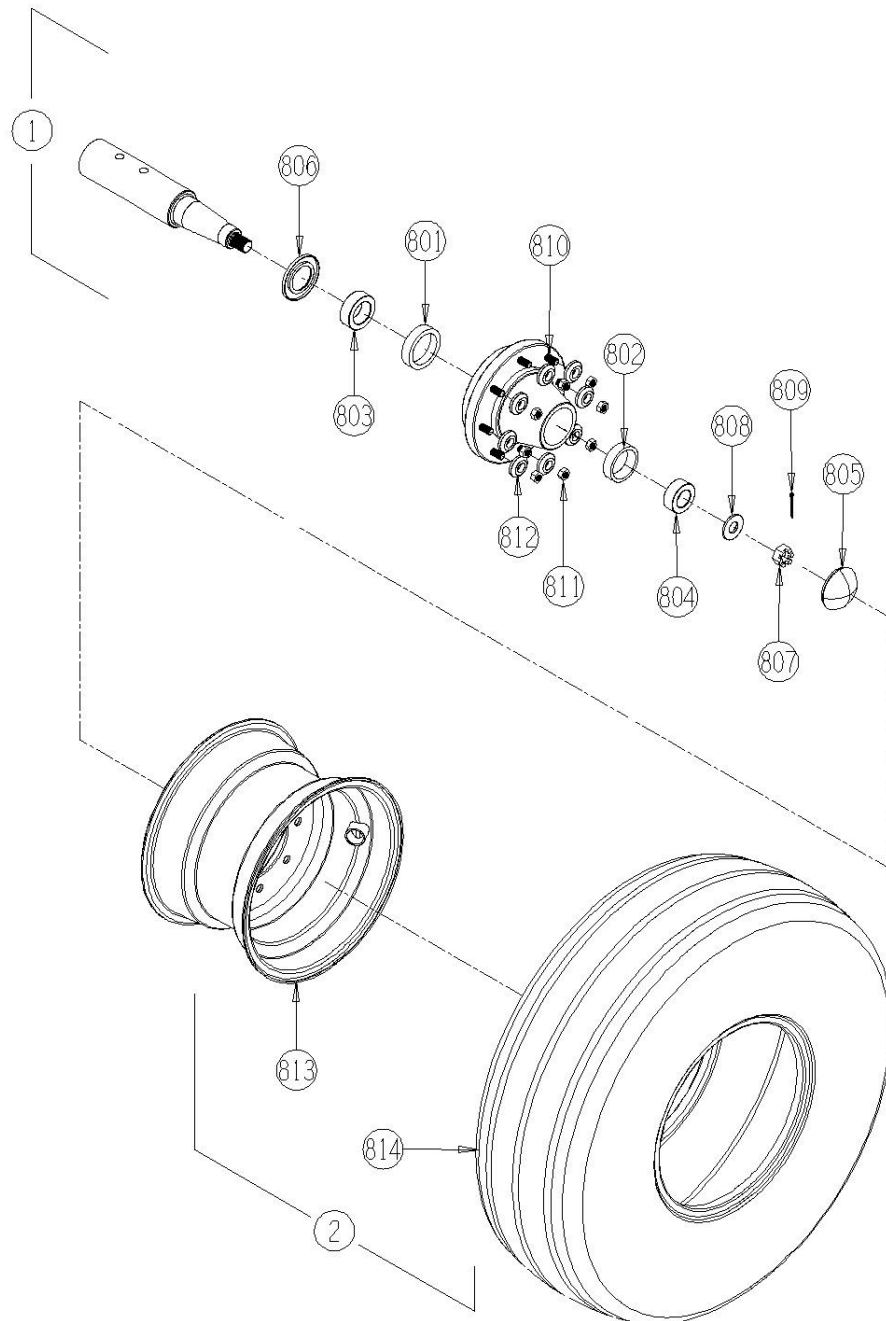
7001-1-13
 OPTIONAL WHEEL, HUB & BEARINGS
 (385 TRUCK TIRES)



7001-1-14 Optional- Single Wheel & Hub (550-60-22.5)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-1210	Hub and Spindle Assembly	2		
2	WHM-7101	550/60-22.5 Tire & Wheel Assy	2	1190	
800	WBR-1210K	Wheel Bearing Kit for WHL-1210 Hub & Spindle Assy.	1	WHL-1210	inner & outer cones & cups and grease seal
801	WHL-1210A	Inner Cup	1		
802	WHL-1210B	Outer Cup	1		
803	WHL-1210C	Inner Cone	1		
804	WHL-1210D	Outer Cone	1		
805	WHL-1210E	Dust Cap	1		
806	WHL-1210F	Grease Seal	1		
807	WHL-1210G	Flange Nut, Spindle	1		
808	WHL-1210H	Washer, Spindle	1		
809	WHL-1210I	Cotter Pin, Spindle	1		
810	WHL-1210J	Wheel Stud Bolt	8		
811	WHL-1210K	Wheel Stud Nut	8		
812	WHL-1210L	Wheel Stud Washer	8		
813	WHL-7104	Wheel, 16 x 22.5 - 7/15, 3/8" (+) Offset, HD, Painted	1	WHL-7101	
814	WHT-7101	Tire, Implement, 560/60-22.5, 404 Tread	1		
815	WHL-1210M	Spindle	1		

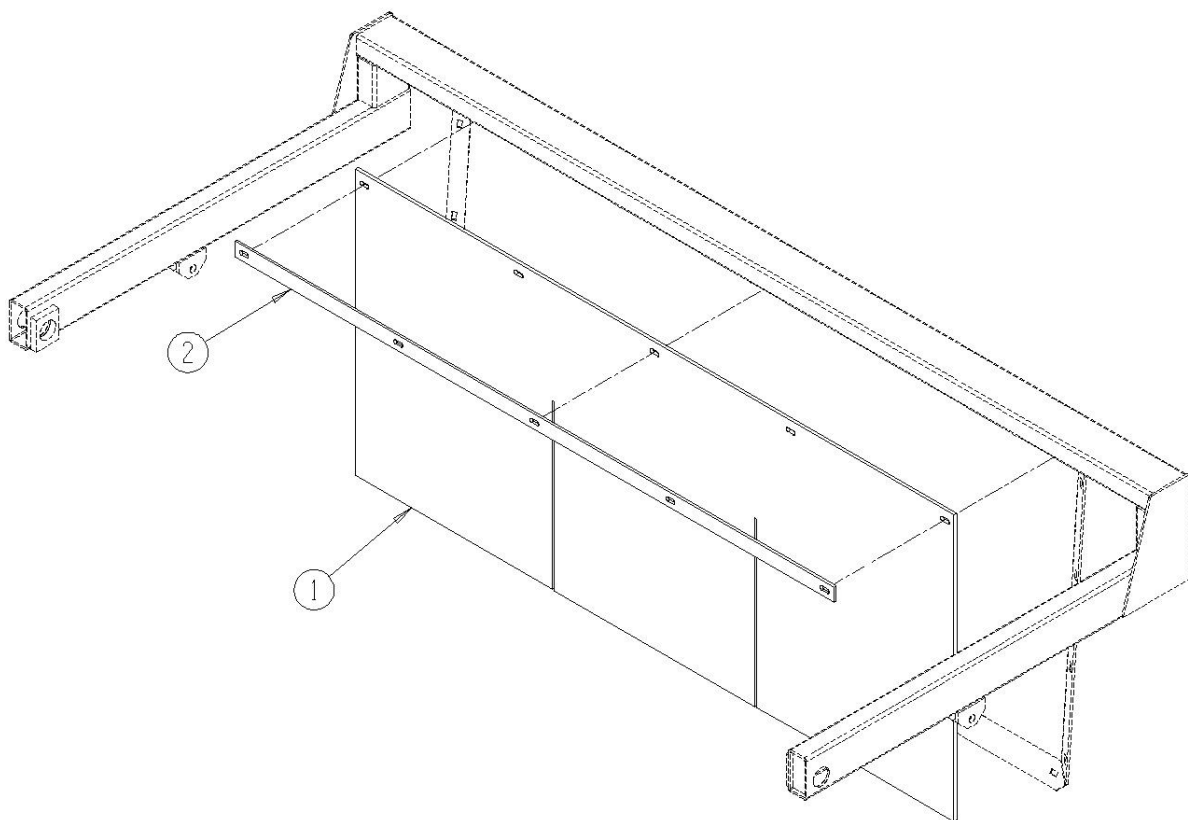
7001-1-14 OPT. SINGLE WHEEL & HUB
(550/60-22.5 TIRE)



7001-1-15 Optional Endgate Debris Belting

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BAR-0168	Backing Bar, Endgate Belting, 790 Spreader	1		
2	BT-0086	Endgate Belting, 790 Spreader	1		
100	BL-6-175-C	3/8 UNC X 1 3/4 CARRIAGE BOLT GR5 ZINC	5		
101	BL-6-FW	3/8 USS FW ZC	5		
102	BL-6-N	3/8-16 HEX NUTS ZC	5		
103	BL-6-LW	3/8 SPLIT LW ZC	5		

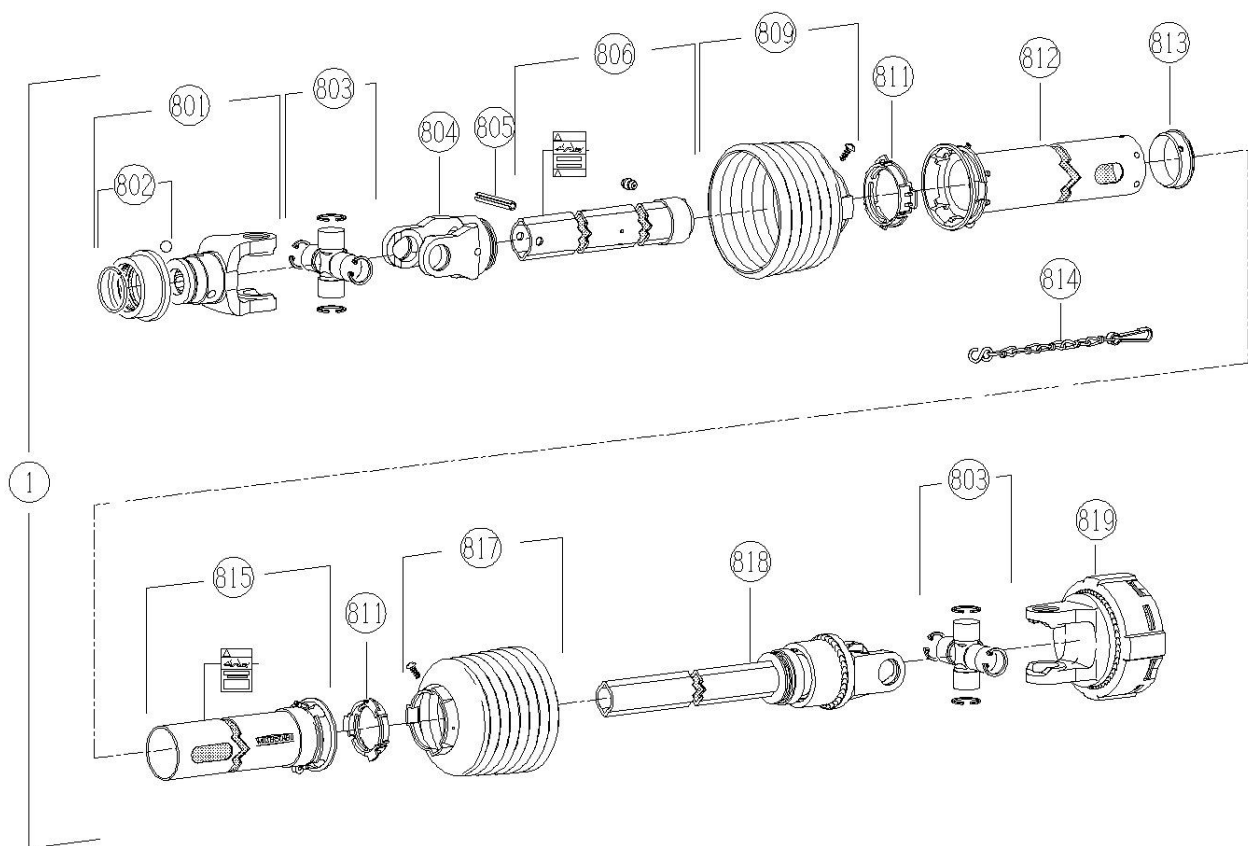
7001-1-15
OPTIONAL ENDGATE DEBRIS BELTING



7001-2-1 Walterscheid 1000 RPM Driveline w/ clutches

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PTS-1010	1000 RPM, Walterscheid Power Shaft for Spreader with 1 3/8"-21 Spline	1		Replace with PTB-1012
801	PTS-1010A	Yoke, 1-3/8" - 21 Spline	1		
802	PTS-1010R	ASG Collar Kit	1		
803	PTS-1010B	Cross & Bearing Kit	2		
804	PTS-1010D	Inboard Yoke	1		
805	PTS-1010C	Spring Pin	1		
806	PTS-1010E	Profile & Sleeve	1		
809	PTS-1010H	Shield Cone, 6 Rib	1		
811	PTS-1002J	PTO Shield Bearing Ring	2		
812	PTS-1010J	Inner Shield Tube, Round	1		
813	PTS-1010N	Support Bearing	1		
814	PTS-1002K	PTO Shield Safety Chain	1		
815	PTS-1010I	Outer Shield Tube, Oval	1		
817	PTS-1010P	Shield Cone, 8 Rib	1		
818	PTS-1010F	Overrunning Clutch & Profile Assy	1		
819	PTS-1010G	Friction Clutch, 1000 rpm, Complete	1		

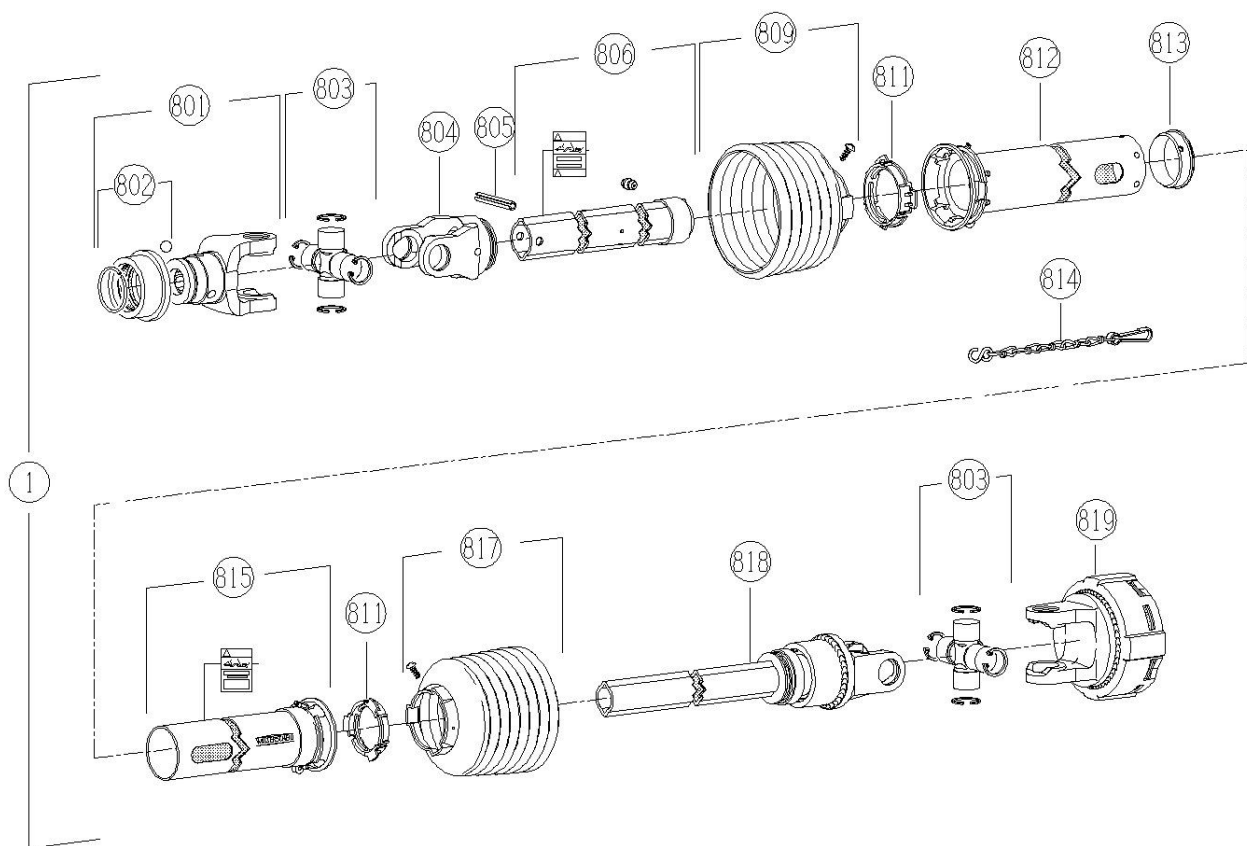
7001-2-1
WALTERSCHEID 1000 RPM DRIVELINE W/ CLUTCHES



7001-2-2 Walterscheid 540 RPM Driveline w/ clutches

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PTS-1011	540 RPM, Walterscheid Power Shaft for Spreader with 1 3/8"-6 Spline	1		
801	PTS-1011A	Yoke, 1-3/8" - 6 Spline	1		
802	PTS-1010R	ASG Collar Kit	1		
803	PTS-1010B	Cross & Bearing Kit	2		
804	PTS-1010D	Inboard Yoke	1		
805	PTS-1010C	Spring Pin	1		
806	PTS-1010E	Profile & Sleeve	1		
809	PTS-1010H	Shield Cone, 6 Rib	1		
811	PTS-1002J	PTO Shield Bearing Ring	2		
812	PTS-1010J	Inner Shield Tube, Round	1		
813	PTS-1010N	Support Bearing	1		
814	PTS-1002K	PTO Shield Safety Chain	1		
815	PTS-1010I	Outer Shield Tube, Oval	1		
817	PTS-1010P	Shield Cone, 8 Rib	1		
818	PTS-1010F	Overrunning Clutch & Profile Assy	1		
819	PTS-1011B	Friction Clutch, 540 rpm, Complete	1		

7001-2-2
WALTERSCHEID 540 RPM DRIVELINE W/ CLUTCHES



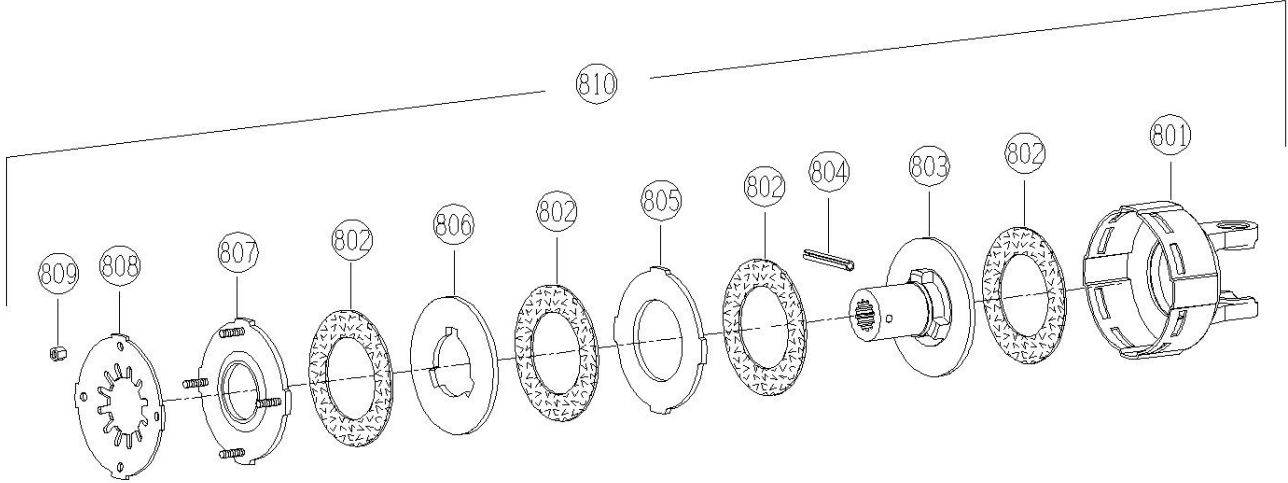
7001-2-3 Walterscheid Friction Clutch, 1000 rpm

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
801	PTS-1010G-A	Clutch Housing	1		
802	PTS-1010G-B	Friction Disk	4		
803	PTS-1010G-C	Hub	1		
804	PTS-1010C	Spring Pin	1		
805	PTS-1010G-D	Drive Plate	1		
806	PTS-1010G-E	Drive Plate	1		
807	PTS-1010G-F	Thrust Plate	1		
808	PTS-1010G-G	Belleville Spring	1		
809	PTS-1010G-H	Hex Nut, M8	4		
810	PTS-1010G	Friction Clutch, 1000 rpm, Complete	1		
812	PTS-1011B-A	Belleville Spring	1		
813	PTS-1011B	Friction Clutch, 540 rpm, Complete	1		

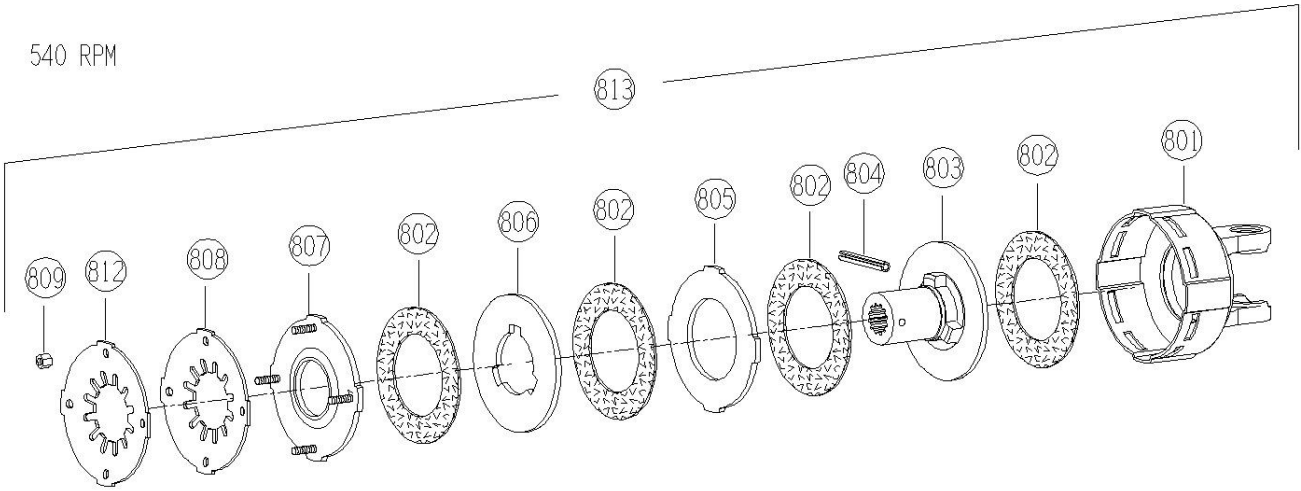
7001-2-3
WALTERSHEID FRICTION CLUTCHES
1000 RPM & 540 RPM



1,000 RPM



540 RPM

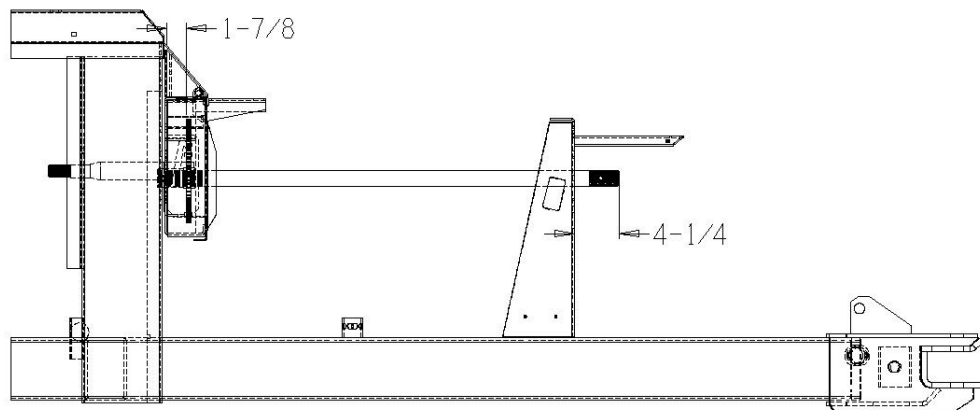
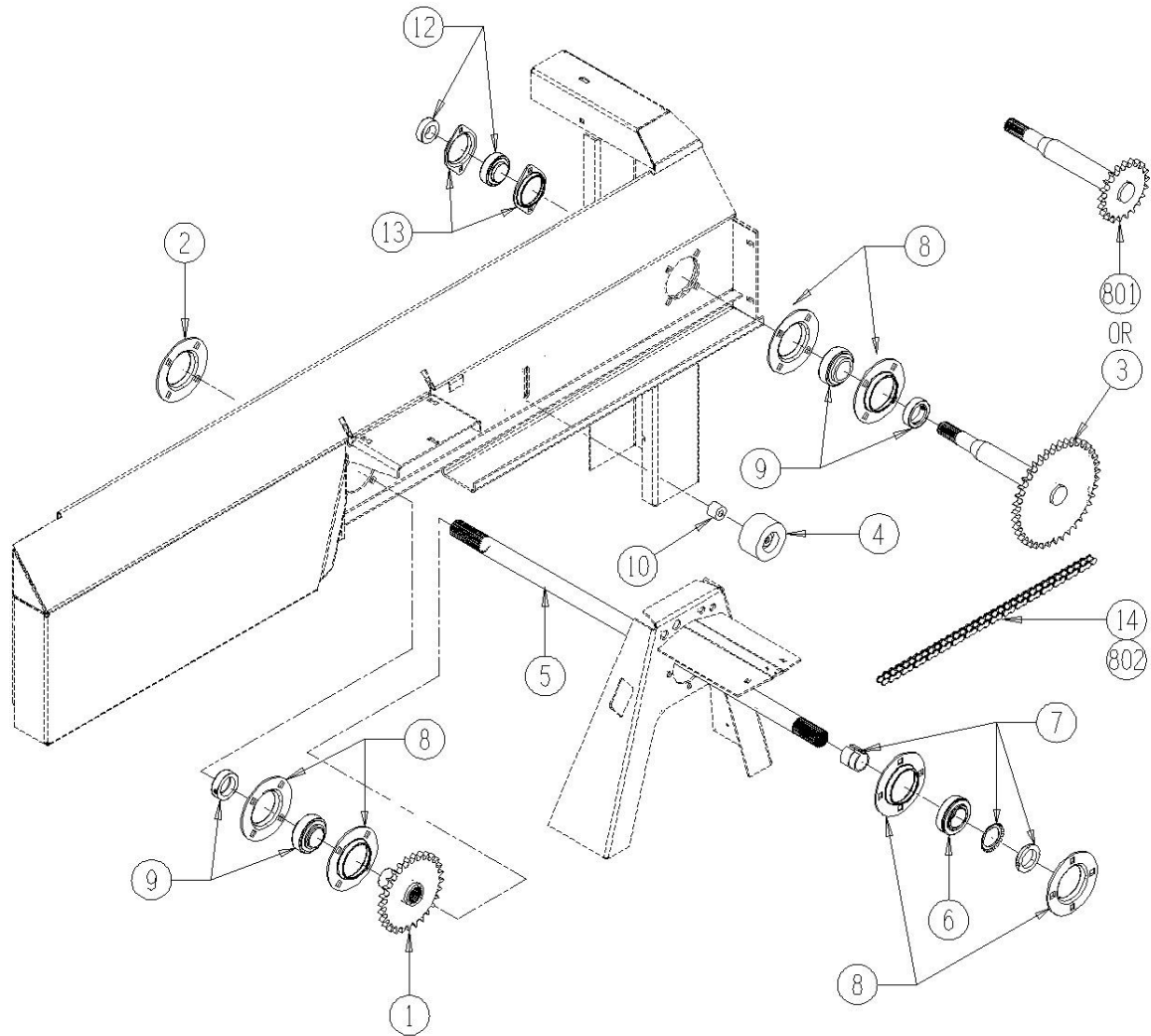


7001-2-4 Front Input Shaft, Sprockets and Chain

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR22867	Chain Sprocket, Rear Drive, Jack Shaft	1		
2	PR28139	Cap, Input Drive	1		
3	PR23168	Sprocket Wldmt, 1000 rpm, 790 & 1190, 1-1/4"	0	790, 1190	
3	PR23171	Sprocket Weldment, Front Drive Sprocket, 1-7/16"	1		
4	RLT-035-228	Roller 3.5 Dia x 2.2 x 1/2" Bore, No Flange	1		
5	PR33227	Jack Shaft for 790, 1190, & 490V	1	790 & 1190	
6	BR-209-085	Bearing, Taper Bore, 1½"	1		
7	BR-209-085A	Adapter for Taper Bore Bearing, 1½"	1		50mm LTB
8	BR-085-MS	Stamped Bearing Housing for 1 ¾" Bearing	6		
9	BR-175-085-KB-I	Bearing, 1 ¾" ID, SS	2		
10	PR38651	Spacer	1	PR38651	
12	BR-125-072-KB-I	Bearing, 1 1/4" ID, SS	0		
12	BR-144-072KB-I	Bearing, 1 7/16" ID, SS	1		
13	BR-072-MST	Stamped Bearing Housing for 1 1/4" Bearing, Two Bolt	2		
14	CH-60H-135	Roller Chain 135 pitches #60H Gearbox Drive w/master	1		1,000 rpm
101	BL-8-125-C	1/2 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	8		
102	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	2		
103	BL-8-175-C	1/2 UNC X 1 ¾ CARRIAGE BOLT GR5 ZINC	4		
104	BL-8-400-C	1/2 UNC X 4 CARRIAGE BOLT GR5 ZINC	1		
105	BL-8-LW	1/2 SPLIT LW ZC	12		
106	BL-6-LW	3/8 SPLIT LW ZC	2		
107	BL-6-N	3/8-16 HEX NUTS ZC	2		
108	BL-6-SW	3/8 SAE FW ZC	2		
109	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	5		
110	BL-8-N	1/2-13 HEX FIN NUTS ZC	12		
111	BL-8-SW	1/2 SAE FW ZC	14		
801	PR23166	Sprocket Wldmt, 540 rpm 790 Heavy	0		
801	PR23167	Sprocket Wldmt, 540 rpm, 790 & 1190, 1-1/4"	0		

802	CH-60H-125	Roller Chain 125 pitches #60H Gearbox Drive w/master	1	540 rpm drive. Replaces CH-60H-127
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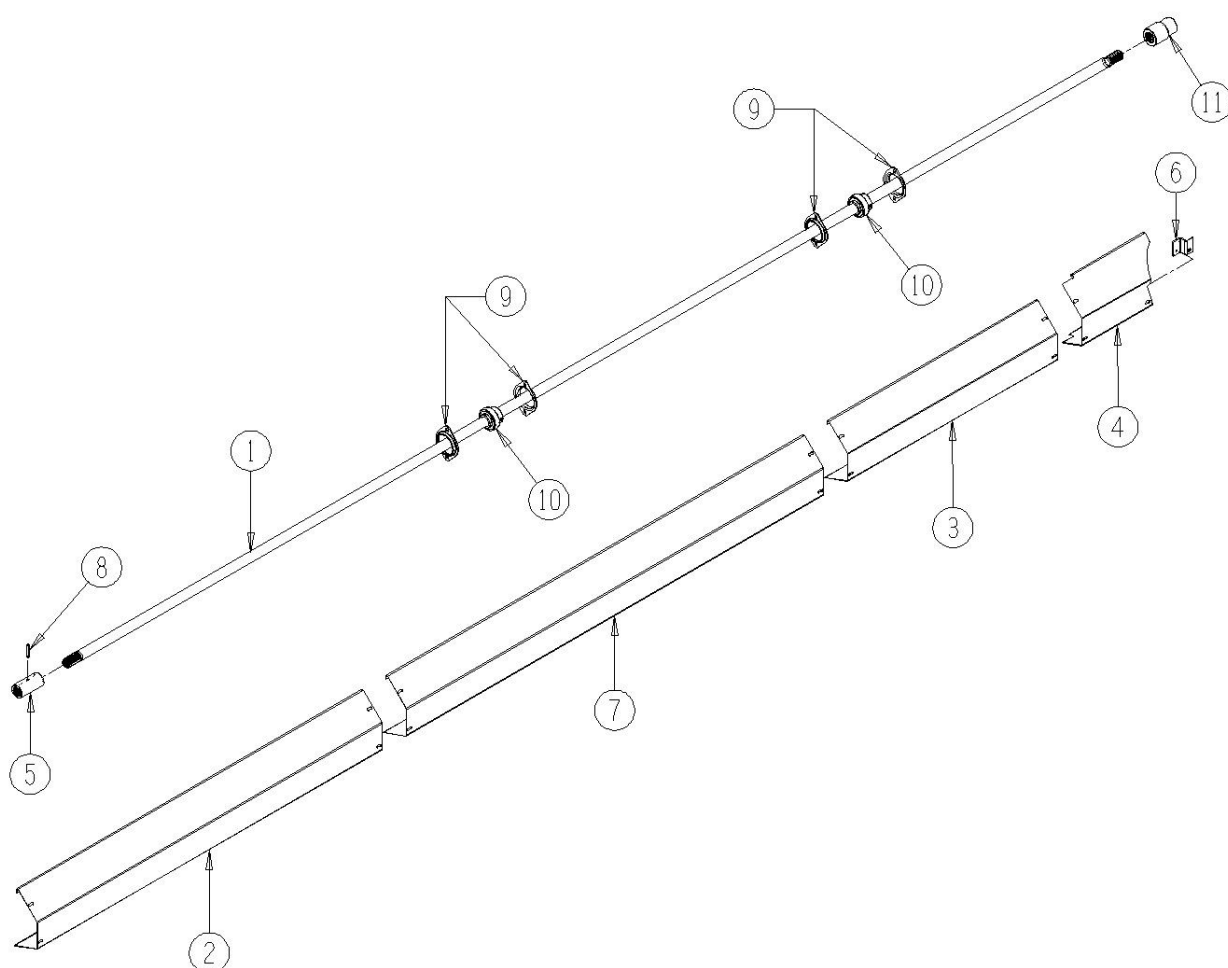
7001-2-4 FRONT INPUT SHAFT, SPROCKETS & CHAIN



7025-2-5 Side Drive Shaft and Shields

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR33274	Side Shaft, Input To Gearbox, 1 7/16"	1	-7008020 & later	
1	PR33270	Side Shaft, Input To Gearbox, 1.25"	0		Special Order Only. Replace with upgrade kit
2	PR348582	Shield, Shaft, Front	1	70025001-	
2	PR34858	Shield, Shaft, Side Front, Spreader	0	-70025000	
3	PR348602	Shield, Shaft, 3 rd	1	70025001-	
3	PR34860	Shield, Shaft, Side Intern, Rear, Spreader	0	-70025000	
4	PR34861	Shield, Shaft, Side, Rear, Spreader	1		
5	PR35351	Coupler, Front, Side Shaft, 1-7/16"	1		
5	PR35344	Coupler, 1.75 O.D. x 30mm I.D. Splined & Hardened, 1-1/4"	0		
6	PR39023	Bracket, Rear Shield, Spreader	1		
7	PR390902	Shield, Shaft, 2 nd	1	70025001-	
7	PR39090	Shield, Shaft, Side Intern, Spreader	0	-70025000	
8	PIN-4-28	Roll Pin 1/4" x 1.75"	1		
9	BR-072-MST	Stamped Bearing Housing for 1 1/4" Bearing, Two Bolt	4		
10	BR-144-072KB-I	Bearing, 1 7/16" ID, SS	2		
10	BR-125-072-KB-I	Bearing, 1 1/4" ID, SS	0		
11	PR35352	Coupler, Rear, Side Shaft, 1190	1		
101	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	15		
102	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	4		
103	BL-4-LW	1/4 SPLIT LW ZC	15		
104	BL-4-FW	1/4 USS FW ZC	15		
105	BL-6-N	3/8-16 HEX NUTS ZC	4		
106	BL-6-LW	3/8 SPLIT LW ZC	4		
107	BL-6-SW	3/8 SAE FW ZC	4		

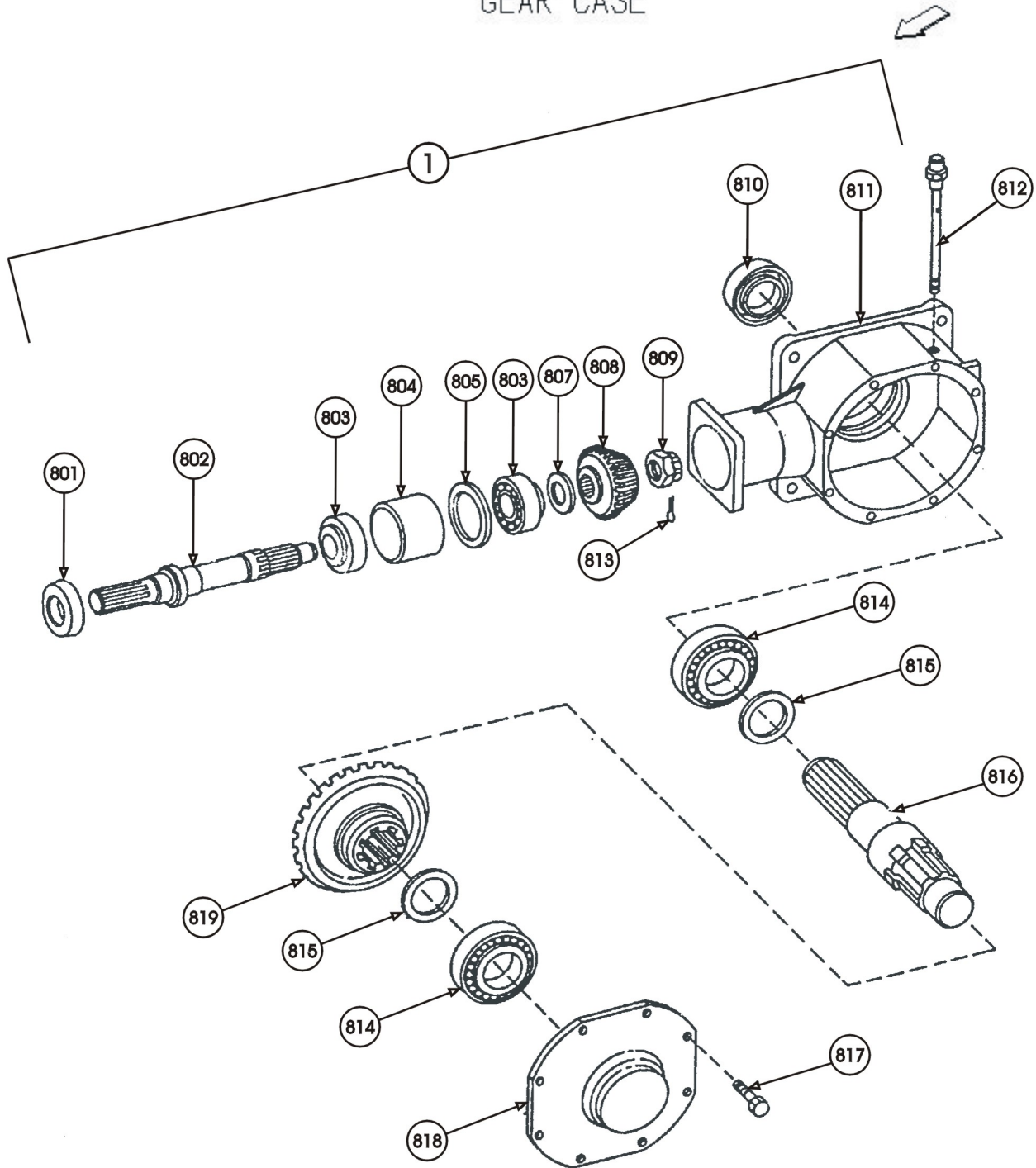
7001-2-5
SIDE DRIVE SHAFT & SHIELDS



7001-2-6 Gear Case

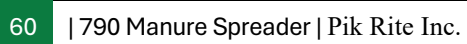
<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23902	Gearbox for Spreader, 2 Shaft	1		
101	BL-8-225-C	1/2 UNC X 2 1/4 CARRIAGE BOLT GR5 ZINC	4		
102	BL-8-N	1/2-13 HEX FIN NUTS ZC	4		
103	BL-8-LW	1/2 SPLIT LW ZC	4		
104	BL-8-SW	1/2 SAE FW ZC	4		
801	PR23902-A	Double Lip Seal	1		Reference Only, Special Order
802	PR23902-B	Shaft	1		Reference Only, Special Order
803	PR23902-C	Bearing & Race	2		
804	PR23902-D	Spacer	1		Reference Only, Special Order
805	PR23902-E	Snap Ring	1		Reference Only, Special Order
807	PR23902-G	Shim Kit	1		Contains 9 pieces Reference Only, Special Order
808	PR23902-H	Pinion	1		Reference Only, Special Order
809	PR23902-J	Nut	1		Reference Only, Special Order
810	PR23902-K	Double Lip Seal	1		Reference Only, Special Order
811	PR23902-L	Housing	1		Reference Only, Special Order
812	PR23902-M	Dipstick	1		Reference Only, Special Order
813	PR23902-N	Cotter Pin	1		Reference Only, Special Order
814	PR23902-P	Bearing & Race (Output shaft)	2		
815	PR23902-Q	Shim Kit	2		Contains 4 pieces Reference Only, Special Order
816	PR23902-R	Shaft, Output	1		
817	PR23902-S	Bolt M10 x 22	8		Reference Only, Special Order
818	PR23902-T	Cover	1		Reference Only, Special Order
819	PR23902-U	Bevel Gear	1		Reference Only, Special Order

7001-2-6
GEAR CASE



7001-2-7 Beater

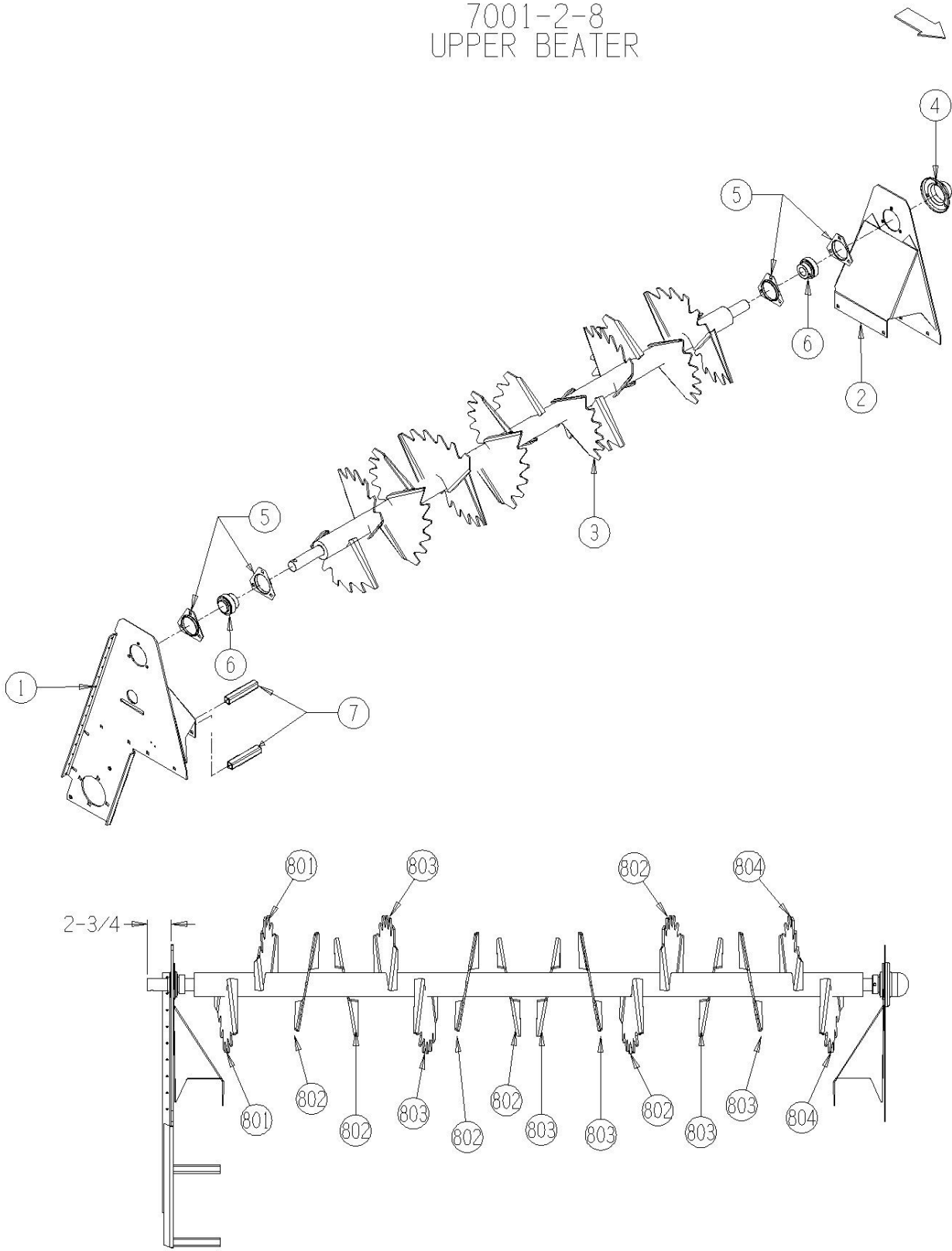
<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23263	Bottom Beater Wldmt, 790 & 1190	1		
2	PR34754	Shaft, Inside Drum, Bottom Beater, Spreader	0	71003001- 71004018	Alignment hole to be drilled at time of assembly.
3	PR34822	Beater Blade for Spreader, 790 & 1190	16		
4	PR34987	Main Beater Shield	1		
5	PIN-5-40	Roll Pin, 5/16 x 2 1/2	2		
6	BR-175-085-I	Bearing, 1 3/4" ID, TS	1		
7	BR-085-MS	Stamped Bearing Housing for 1 3/4" Bearing	2		
8	AP-12	3/4" NPT Plug	1		
101	BL-8-175-C	1/2 UNC X 1 3/4 CARRIAGE BOLT GR5 ZINC	4		
102	BL-8-150-H	1/2 UNC X 1 1/2 HH C/S BOLT GR5 ZINC	32		
103	BL-8-N	1/2-13 HEX FIN NUTS ZC	4		
104	BL-8-LW	1/2 SPLIT LW ZC	4		
105	BL-8-SW	1/2 SAE FW ZC	68		
106	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	32		
801	PR34826	Bracket, Paddle, Lower Beater	8		
802	PR34828	Bracket, Paddle, Lower Beater	8		
803	PR35336	Bearing Cap, Large	1		
804	PIN-5-24	Roll Pin, 5/16" x 1 1/2"	0		



7001-2-8 Upper Beater

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23440	Support, RH, Upper/Lower Beater, Spreader	1		
2	PR23441	Support, LH, Upper Beater, Spreader	1		
3	PR39080	Upper Beater, 790	1		
4	PR28029	Upper Beater Cap	1		
5	BR-072-MSTR	Stamped Bearing Housing for 1 7/16" Bearing, 3 Bolt	4		
6	BR-144-072-I	Bearing, 1 7/16" ID, TS	2		
7	SPA-0008	Spacer, Beater Panel to Upper Beater Support	2		
101	BL-8-650-H	Grade 5 Bolt 1/2 x 6 1/2	2		
102	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	11		
103	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	3		
104	BL-6-SW	3/8 SAE FW ZC	20		
105	BL-6-N	3/8-16 HEX NUTS ZC	14		
106	BL-6-LW	3/8 SPLIT LW ZC	14		
107	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	3		
108	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		
801	PR35262	Impeller, RH, End, Upper Beater	0		
802	PR26858	Impeller, RH, Center, Upper Beater	0		
803	PR26866	Impeller, LH, Center, Upper Beater	0		
804	PR35263	Impeller, LH, End, Upper Beater	0		

7001-2-8 UPPER BEATER



7001-2-9 Upper Beater Drive Sprockets and Chain

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23469	Shield, Drive Chain, Upper Beater, Spreader	1		
2	RLT-035-228	Roller 3.5 dia x 2.2 x 1/2" bore, no flange	1		
3	PR36636	Shield, Lower, Upper Beater Drive, Spreader	1		
4	LA-1530	Medium Rubber T Latch Assembly	1		
5	PR39156	Sprocket, Chain, Lower To Upper Beater, Drive	1		
6	BR-1203-100KB	Fafnir Bearing 2 3/16" Heavy SS1	1		
7	BR-100-MS	Stamped Bearing Housing for 2 3/16" Bearing	2		
8	PR39085	Sprocket Wldmt, Upper Beater, Spreader	1		
9	CH-60H-95	Roller Chain 95 pitches #60H, UB Drive, 790 w/master	1		
10	PIN-5-36	Roll Pin, 5/16 x 2 1/4	1		
101	BL-8-275-H	1/2 UNC X 2 3/4 HH C/S BOLT GR5 ZINC	1		
102	BL-5-100-C	5/16-18 x 1, Z5	2		
103	BL-8-125-C	1/2 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	4		
104	BL-8-300-C	1/2 UNC X 3 CARRIAGE BOLT GR5 ZINC	1		
105	RI-3-66-P	Pop Rivets 3/16 x 1/2 Domed, .625 head , ea.	17		
106	BL-8-LW	1/2 SPLIT LW ZC	5		
107	BL-5-FW	5/16 USS FW ZC	2		
108	BL-5-LW	5/16 SPLIT LW ZC	2		
109	BL-5-N	5/16-18 UNF HEX NUT A563 GrA ZINC	2		
110	BL-8-SW	1/2 SAE FW ZC	5		
111	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	1		
112	BL-8-N	1/2-13 HEX FIN NUTS ZC	5		

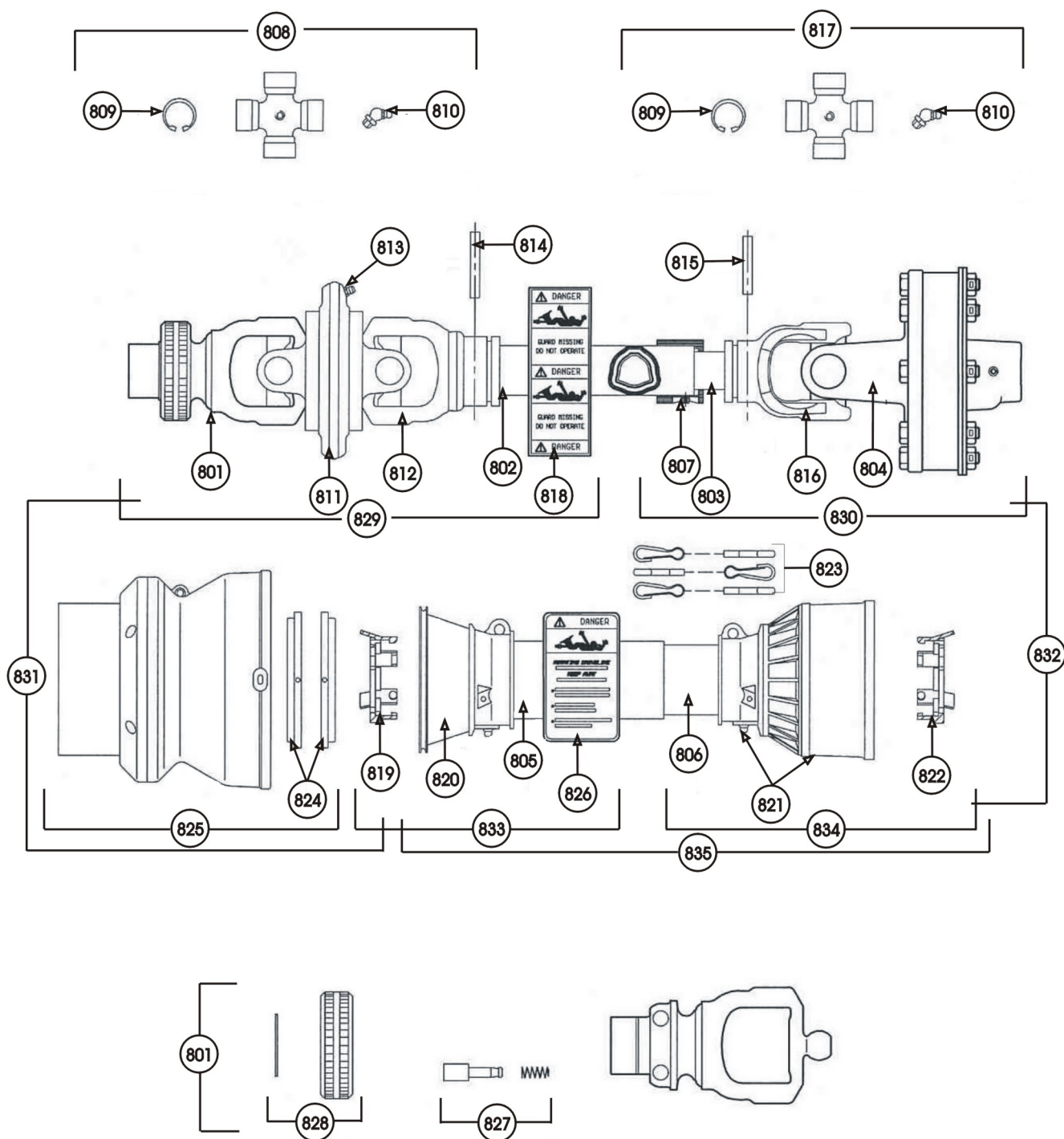


7001-2-11 1000 RPM Const Vel Shaft w/clutch S.N.-70007023 (Yellow)

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
0	PTB-1012	1000 rpm CV Driveline for Hydra Ram Spreader	1		S.N. -71007008 Can Replace PTS-1010
801	PTB-1012-A-OLD	Yoke, 1-3/8' - 21 Spline	1		
802	PTB-1012B	Outer Profile	1		
803	PTB-1012C	Inner Profile	1		
804	PTB-1012D	Friction Clutch	1		
805	PTB-1012E	Outer Shield Tube	1		
806	PTB-1012F	Inner Shield Tube	1		
807	PTB-1012G	Support Bearing	1		
808	PTB-1012H	Cross Journal Ass.	2		
809	PTB-1012I	Circlip	12		
810	PTB-1012J	Grease Nipple - 45°	3		
811	PTB-1012K	Central Body	1		
812	PTB-1012L	Yoke With Bridge	1		
813	PTB-1012M	Grease Nipple - Straight	1		
814	PTB-1012N	Flexible Pin	1		
815	PTB-1012O	Flexible Pin	1		
816	PTB-1012P	Inner Tube Yoke	1		
817	PTB-1012Q	Cross Journal Ass.	1		
818	PTB-1012R	Label	1		
819	PTB-1012S	Shield Support 6-7	1		
820	PTB-1012T	Safety Cone	1		
821	PTB-1012U	I.Cone Sets F5-6-7	1		
822	PTB-1012V	Shield Support 6-7	1		
823	PTB-1012W	Complete Chain	3		
824	PTB-1012X	Ring Nut Dowels	1		
825	PTB-1012Y	Complete Shell	1		
826	PTB-1012Z	Label	1		

827	PTB-1012AA	Complete Push Button	2
828	PTB-1012BB	Hub	1
829	PTB-1012NN	Outer Half Shaft	1
830	PTB-1012OO	Inner Half Shaft	1
831	PTB-1012PP	Outer Half Shaft, Front Half	1
832	PTB-1012QQ	Inner Half Shaft	1
833	PTB-1012RR	Outer Shield	1
834	PTB-1012SS	Inner Shield	1
835	PTB-1012TT	Complete Shield	1

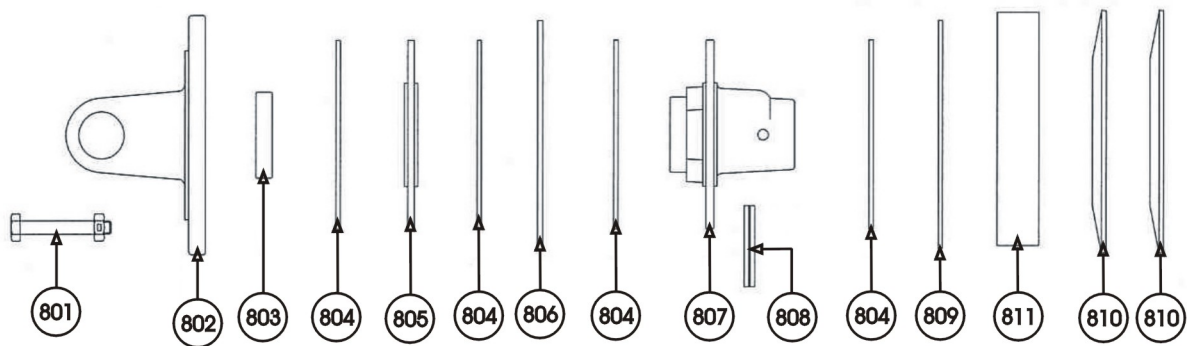
7001-2-11
1000 RPM, CONSTANT VELOCITY DRIVELINE, W/ CLUTCH



7001-2-12 Friction Clutch

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PTB-1012D	Friction Clutch	0		
801	PTB-1012CC	Hex cap screw and lock nut	8		
802	PTB-1012DD	Flange Yoke	1		
803	PTB-1012EE	Bushing	1		
804	PTB-1012FF	Friction Disk	4		
805	PTB-1012GG	Lining Plate	1		
806	PTB-1012HH	Inner Plate	1		
807	PTB-1012II	Hub	1		
808	PTB-1012JJ	Spring Dowels	1		
809	PTB-1012KK	Thrust Plate	1		
810	PTB-1012LL	Spring	2		
811	PTB-1012MM	Spacer	1		

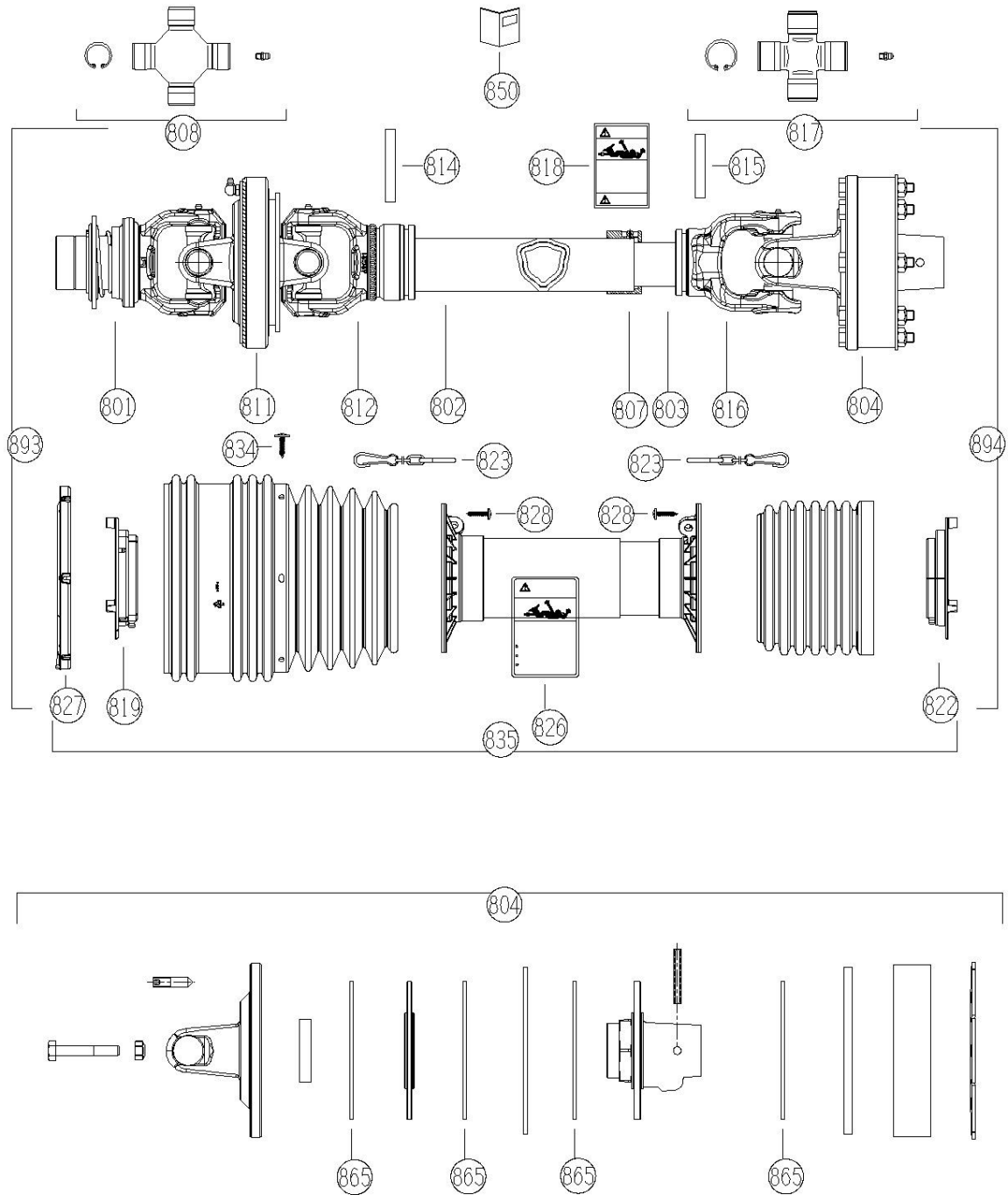
7001-2-12 FRICTION CLUTCH



7001-2-13 1000 RPM Con. Vel Shaft w/clutch S.N.70007024-

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PTB-1012	1000 rpm CV Driveline for Hydra Ram Spreader	1		S.N. -71007008 Can Replace PTS-1010
801	PTB-1012A	Yoke, 1-3/8' - 21 Spline	1		
802	PTB-1012B	Outer Profile	1		
803	PTB-1012C	Inner Profile	1		
804	PTB-1012D	Friction Clutch	1		
807	PTB-1012G	Greasing Collar	1		
808	PTB-1012H	Cross Kit, Tractor	2		
811	PTB-1012K	Central Body	1		
812	PTB-1012L	Yoke, Outer Tube	1		
814	PTB-1012N	Flexible Pin, Outer	1		
815	PTB-1012O	Flexible Pin, Inner	1		
816	PTB-1012P	Inner Tube Yoke	1		
817	PTB-1012Q	Cross Kit, Implement	1		
818	PTB-1012R	Label	1		
819	PTB-1012S	Shield Support, Outer	1		
822	PTB-1012V	Shield Support, Inner	1		
823	PTB-1012W	Shield Chain	2		
826	PTB-1012Z	Label	1		
827	PTB-1011K	Shield Support Sft	1		
828	PTB-1011L	Self Tapping Shielding Screw	6		
834	PTB-1012VV	Shield Screw, Flanged Head	6		
835	PTB-1012TT	Complete Shield Kit	1		
850	PTB-1011S	Instruction Booklet, USA	1		
865	PTB-1012FF	Friction Disk	4		
893	PTB-1012NN	Outer Half Shaft	1		
894	PTB-1012OO	Inner Half Shaft	1		

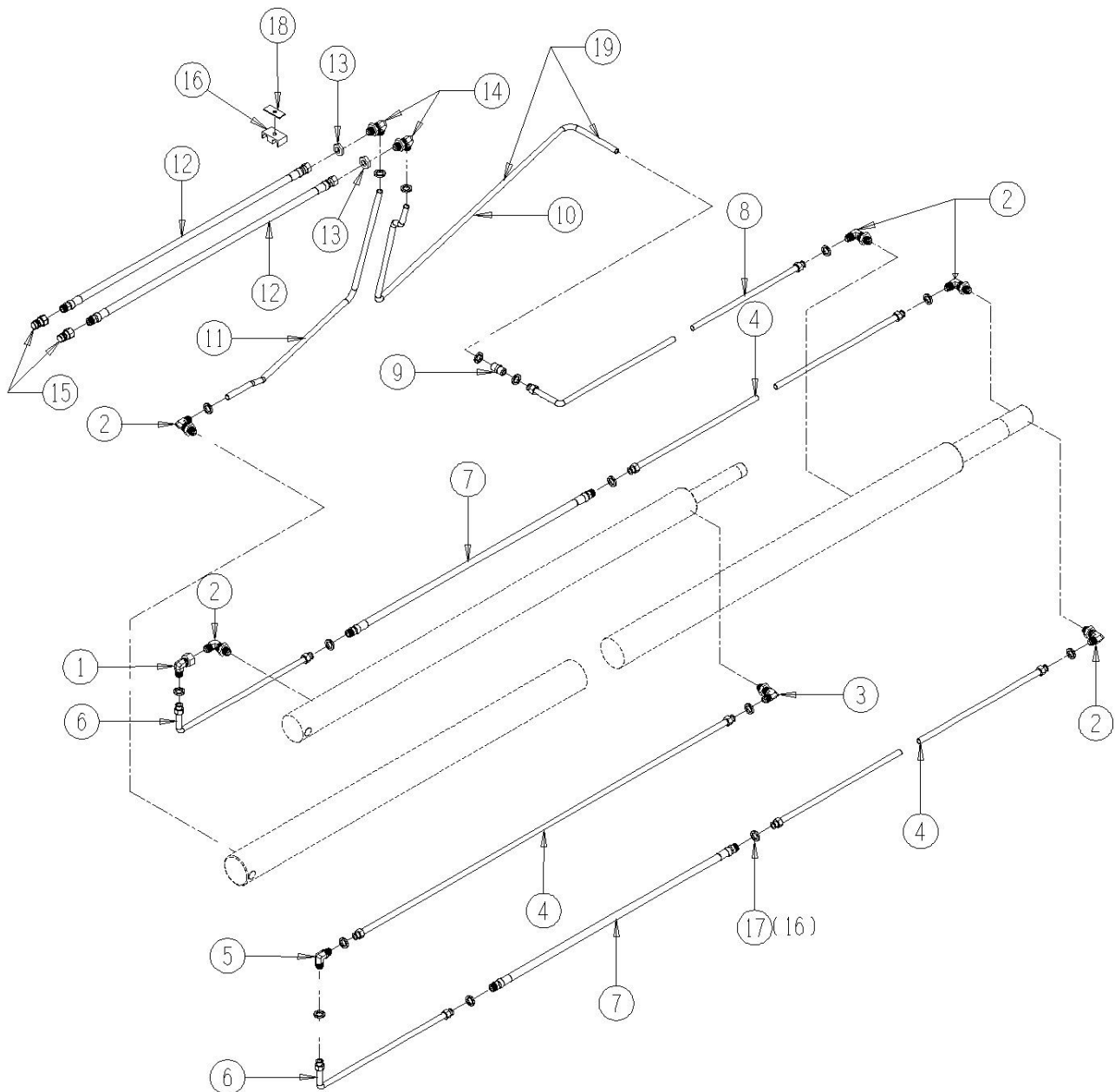
7001-2-13
 1000 RPM CON. VEL. SHAFT W/CLUTCH
 S.N. 70007024- (BLACK SHAFT)



7001-3-1 Hydraulics, Control Valve to Push off Cylinders

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	A-6500-10	Elbow, 5/8" MJ x 5/8" FJX	1		
2	A-6801-L-10	Elbow, Long, 5/8" MJ x 10 SAE	5		
3	A-6801-10	Elbow, 5/8" MJ x 10 SAE	1		
4	H-T7001	Hyd Tube, Primary/Sec Cylinder, 5/8" Dia.	3		
5	A-2500-10	Elbow, 5/8" MJ x 5/8" MJ	1		
6	H-T7002	Hyd Tube, Primary to Sec. Cylinder, 5/8" dia.	2		
7	H8-40-10MJ-10MJ	1/2" hose 5/8" MJ x 5/8" MJ x 39.75" long	2		
8	H-T7003	Hyd Tube, Primary Cylinder, Rear, 5/8" dia.	1		
9	A-2403-10	Union, 5/8" MJ x 5/8" MJ	1		
10	H-T7004	Hyd Tube, Primary Cylinder to Supply, 5/8" dia.	1		
11	H-T7005	Hyd Tube, Supply To Primary Cylinder, 5/8" dia	1		
12	H8-75-8MP-10FJ	1/2" hose 1/2" MP x 5/8" FJ x 75" long	2		
13	A-306-10	Lock Nut, Bulkhead, For 5/8" MJIC	2		
14	A-2701-10	Elbow, Bulkhead, 5/8" MJ x 5/8" MJ	2		
15	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2" w/ FPT	2		
16	PR34897	Hose Clamp, 1/2" Hydraulic, 13/16" O.D. Hose	1		
17	HW-10	5/8" OD Washer for Hydraulic Tube/Hose	16		
18	PR34893	Support, Clamp, 1/2" Double Hose Clamp	1		
19	HA-1031	Hydraulic Hose Holder 3/8	2		
101	BL-6-200-C	3/8 UNC X 2 CARRIAGE BOLT GR5 ZINC	1		
102	BL-6-N	3/8-16 HEX NUTS ZC	1		
103	BL-6-LW	3/8 SPLIT LW ZC	1		
104	BL-6-SW	3/8 SAE FW ZC	1		
601	HY-TRAN	Hytran @ gal	5		
602	HP-1038	Gear Lube, 80W90 @ Quart	1.25	Hydra Ram Spreader	

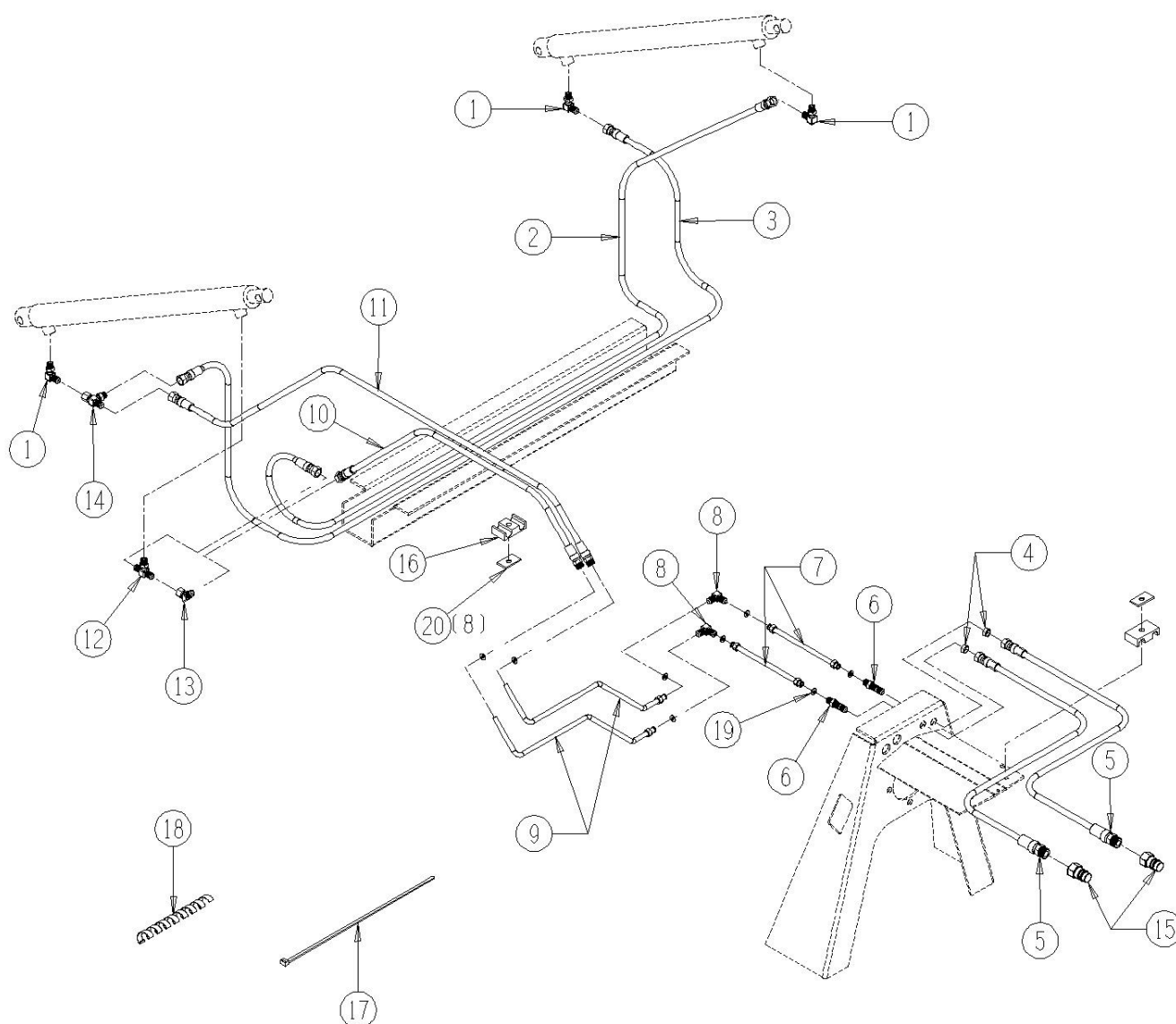
7001-3-1
HYDRAULICS, CONTROL VALVE
TO PUSH OFF CYLINDERS



7001-3-2 Hydraulics, Tractor to Endgate Cylinders

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	A-6801-6	Elbow, 3/8" MJ x 6 SAE	3		
2	H4-153-6FJ-6FJ	1/4" hose 3/8" FJ x 3/8" FJ x 153.5" long	1		
3	H4-107-6FJ-6FJ	1/4" hose 3/8" FJ x 3/8" FJ x 107.5" long	1		
4	A-306-6	Lock Nut, Bulkhead, For 3/8" MJIC	2		
5	H4-75-6FJ-8MP	1/4" hose 3/8" FJ x 1/2" MP x 75" long	2		
6	A-2700-6	Union, Bulkhead, 3/8" MJ x 3/8" MJ	2		
7	H-T7006	Hyd Tube, Endgate, Front, 3/8" dia.	2		
8	A-2500-6	Elbow, 3/8" MJ x 3/8" MJ	2		
10	H4-158-6FJ-6MJ	1/4" hose 3/8" FJ x 3/8" MJ x 158" long	1		
11	H4-181-6FJ-6MJ	1/4" hose 3/8" FJ x 3/8" MJ x 181" long	1		
12	A-6803-6	Tee, 3/8" MJ x 3/8" MJ x 6 SAE	1		
13	A-6502-6	Elbow, 45°, 3/8" MJ x 3/8" FJX	1		
14	A-6602-6	Tee, 3/8" MJ x 3/8" FJX x 3/8" MJ	1		
15	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2" w/ FPT	2		
16	PR34896	Hose Clamp, 1/4" Hydraulic, 1/2" O.D. Hose	5		
17	WT-17H	Heavy Duty Wire Tie 17.5"	6		
18	ELL-12	¾" OD Black Spiral Wrap @ Foot	2.7		
19	HW-06	3/8" OD Washer for Hydraulic Tube/Hose	8		
20	PR34894	Support, Clamp, 1/4" Double Hose Clamp	5		
101	BL-6-200-C	3/8 UNC X 2 CARRIAGE BOLT GR5 ZINC	1		
102	BL-6-N	3/8-16 HEX NUTS ZC	1		
103	BL-6-LW	3/8 SPLIT LW ZC	1		
104	BL-6-SW	3/8 SAE FW ZC	1		

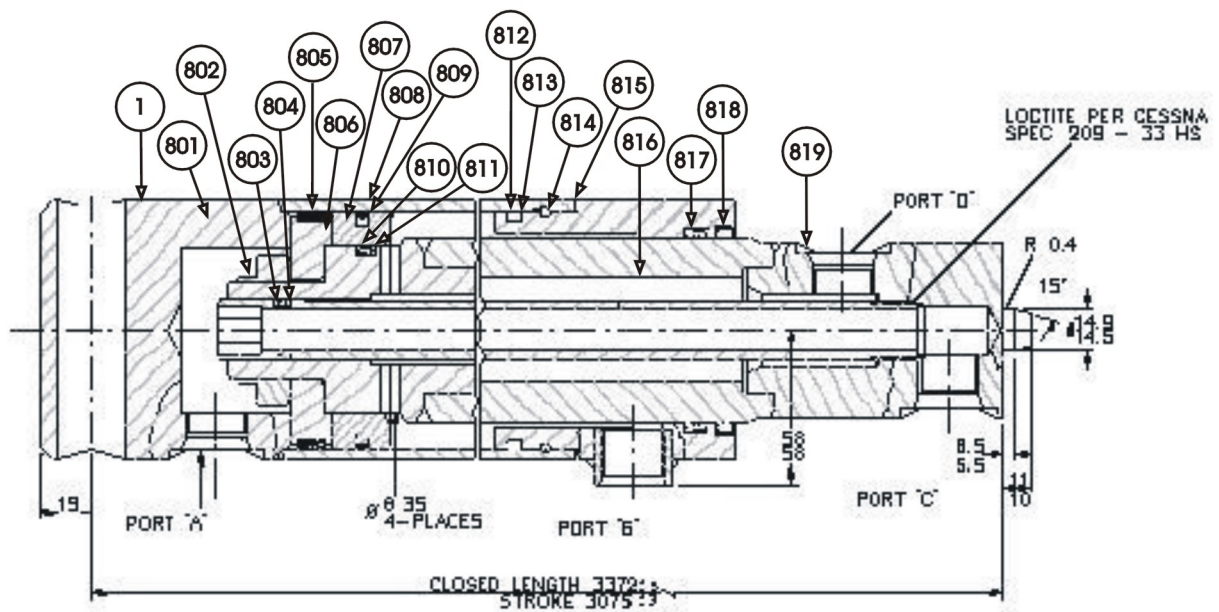
7001-3-2 HYDRAULICS, TRACTOR TO ENDGATE CYLINDERS



7001-3-3 Main Cylinder, Sliding Floor

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23131	Main Cylinder	1		
801	PR23131-L	Barrel Assy.	1		Reference Only, Special Order
802	PR23131-M	Locknut - Thin	1		Reference Only, Special Order
803	PR23131-N	Back Up Washer	2		Reference Only, Special Order
804	PR23131-O	O Ring	1		Part of Seal Kit, Not Sold Separately
805	PR23131-P	Wear Ring	1		Part of Seal Kit, Not Sold Separately
806	PR23131-Q	Piston	1		Reference Only, Special Order
807	PR23131-R	Piston	1		Reference Only, Special Order
808	PR23131-A	Piston Ring	1		Reference Only, Special Order
809	PR23131-B	O-Ring	1		Part of Seal Kit, Not Sold Separately
810	PR23131-C	O-Ring	1		Part of Seal Kit, Not Sold Separately
811	PR23131-D	Back-up Washer	2		Part of Seal Kit, Not Sold Separately
812	PR23131-E	O Ring	1		Part of Seal Kit, Not Sold Separately
813	PR23131-F	Backup Washer	1		Part of Seal Kit, Not Sold Separately
814	PR23131-LR	Lock Ring	1		Reference Only, Special Order
815	PR23131-G	Bearing Assembly	1		Reference Only, Special Order
816	PR23131-H	Transfer Tube	1		Reference Only, Special Order
817	PR23131-I	Bearing Seal	1		Part of Seal Kit, Not Sold Separately
818	PR23131-J	Wiper	1		Part of Seal Kit, Not Sold Separately
819	PR23131-K	Piston Rod Assy. w/ Transfer Tube	1		Reference Only, Special Order Sold only with PR23131-H Transfer Tube
820	PR23131-SK	Seal Kit, Main Cylinder, Per Each	1		

7001-3-3 MAIN CYLINDER (SLIDING FLOOR)

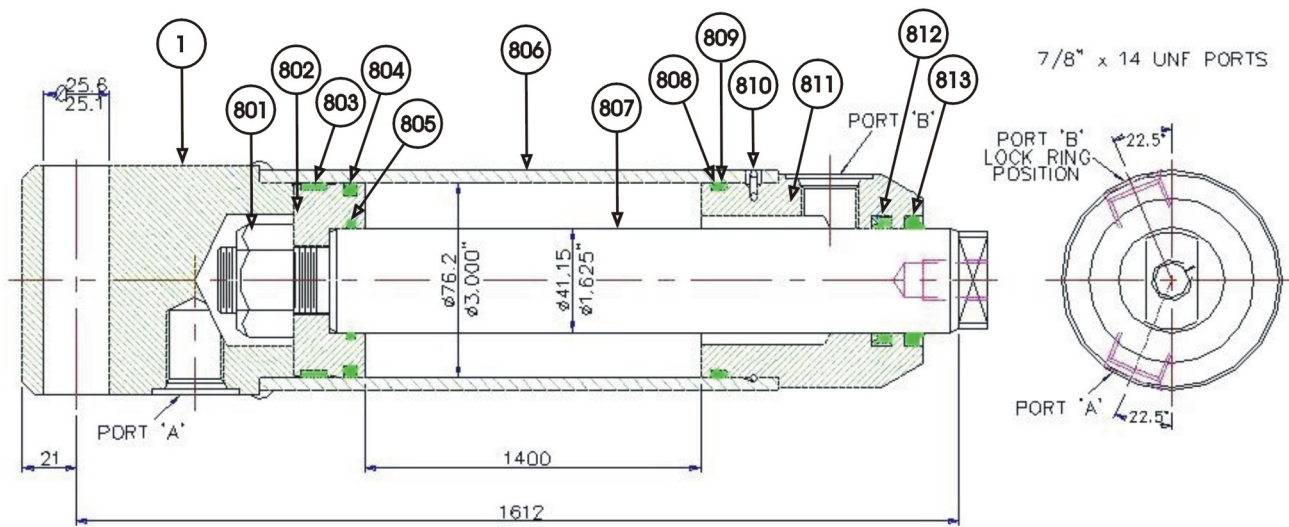


820 Seal Kit

7001-3-4 Secondary Cylinder, Moving Panel

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR23143	Secondary Cylinder	1		
801	PR23143-M	1" BSF Nut	1		Reference Only, Special Order
802	PR23143-L	P/Head	1		Reference Only, Special Order
803	PR23143-A	P/Seal	1		Part of Seal Kit, Not Sold Separately
804	PR23143-B	O-Ring	1		Part of Seal Kit, Not Sold Separately
805	PR23143-C	Rod Seal	1		Part of Seal Kit, Not Sold Separately
806	PR23143-I	Cylinder Assy	1		Reference Only, Special Order
807	PR23143-J	P/Rod	1		Reference Only, Special Order
808	PR23143-D	O-Ring	1		Part of Seal Kit, Not Sold Separately
809	PR23143-E	Back Up Ring	1		Part of Seal Kit, Not Sold Separately
810	PR23143-H	Lock Ring	1		Part of Seal Kit, Not Sold Separately
811	PR23143-K	Gland Bearing	1		Reference Only, Special Order
812	PR23143-F	Rod Seal	1		Part of Seal Kit, Not Sold Separately
813	PR23143-G	Wiper	1		Part of Seal Kit, Not Sold Separately
814	PR23143-SK	Seal Kit, Secondary Cylinder, Per Each	1		

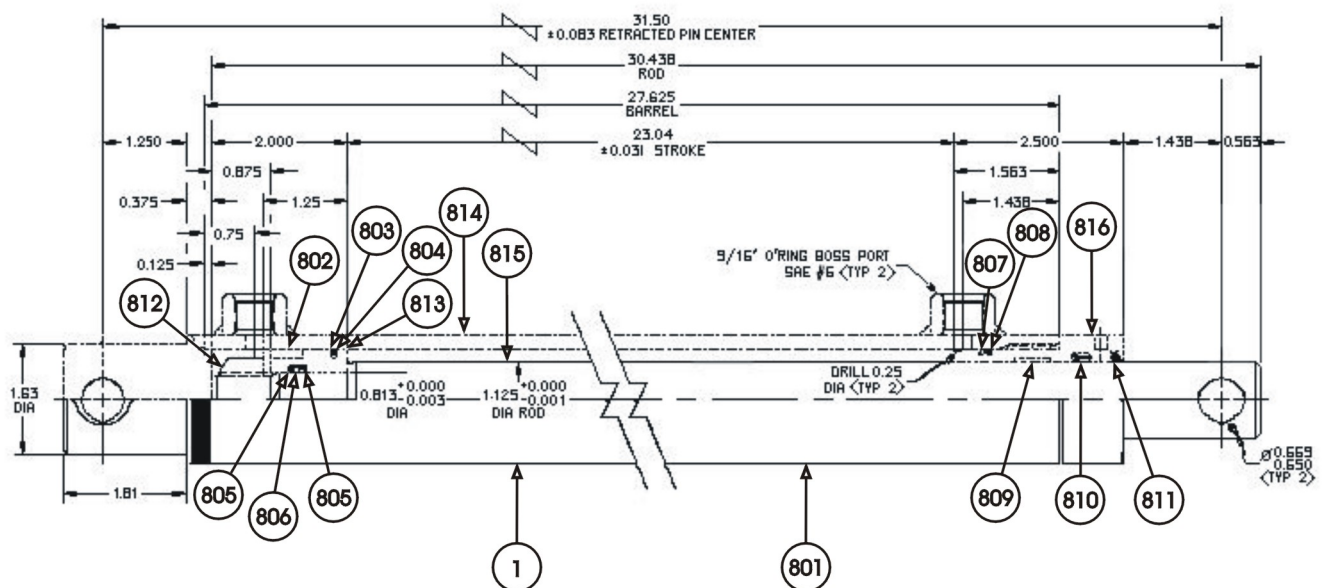
7001-3-4 SECONDARY CYLINDER, MOVING PANEL



7001-3-5 Endgate Lift Cylinder

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PR39068	Cylinder, Endgate, 1.5 bore	2		
802	PR39068-A	Wear Ring	1		Part of Seal Kit, Not Sold Separately
803	PR39068-B	TFE Seal	1		Part of Seal Kit, Not Sold Separately
804	PR39068-C	O Ring	1		Part of Seal Kit, Not Sold Separately
805	PR39068-D	Back-Up Ring	2		Part of Seal Kit, Not Sold Separately
806	PR39068-E	O Ring	1		Part of Seal Kit, Not Sold Separately
807	PR39068-F	O Ring	1		Part of Seal Kit, Not Sold Separately
808	PR39068-G	Back-Up Ring	1		Part of Seal Kit, Not Sold Separately
809	PR39068-H	Wear Ring	1		Part of Seal Kit, Not Sold Separately
810	PR39068-I	Loaded U-Cup	1		Part of Seal Kit, Not Sold Separately
811	PR39068-J	Rod Wiper	1		Part of Seal Kit, Not Sold Separately
812	PR39068-K	Locknut	1		Reference Only, Special Order
813	PR39068-L	Piston	1		Reference Only, Special Order
814	PR39068-M	Barrel Assembly	1		Reference Only, Special Order
815	PR39068-N	Rod	1		Reference Only, Special Order
816	PR39068-O	Internal Cylinder Head 1 1/2" (coarse)	1	Verify Stamp Location	
816	PR39068-OB	Internal Cylinder Head 1 1/2" (Fine)	1	Verify Stamp Location	
817	PR39068-SK	Seal Kit, Endgate Cylinder, Per Each	1		

7001-3-5
ENDGATE LIFT CYLINDERS

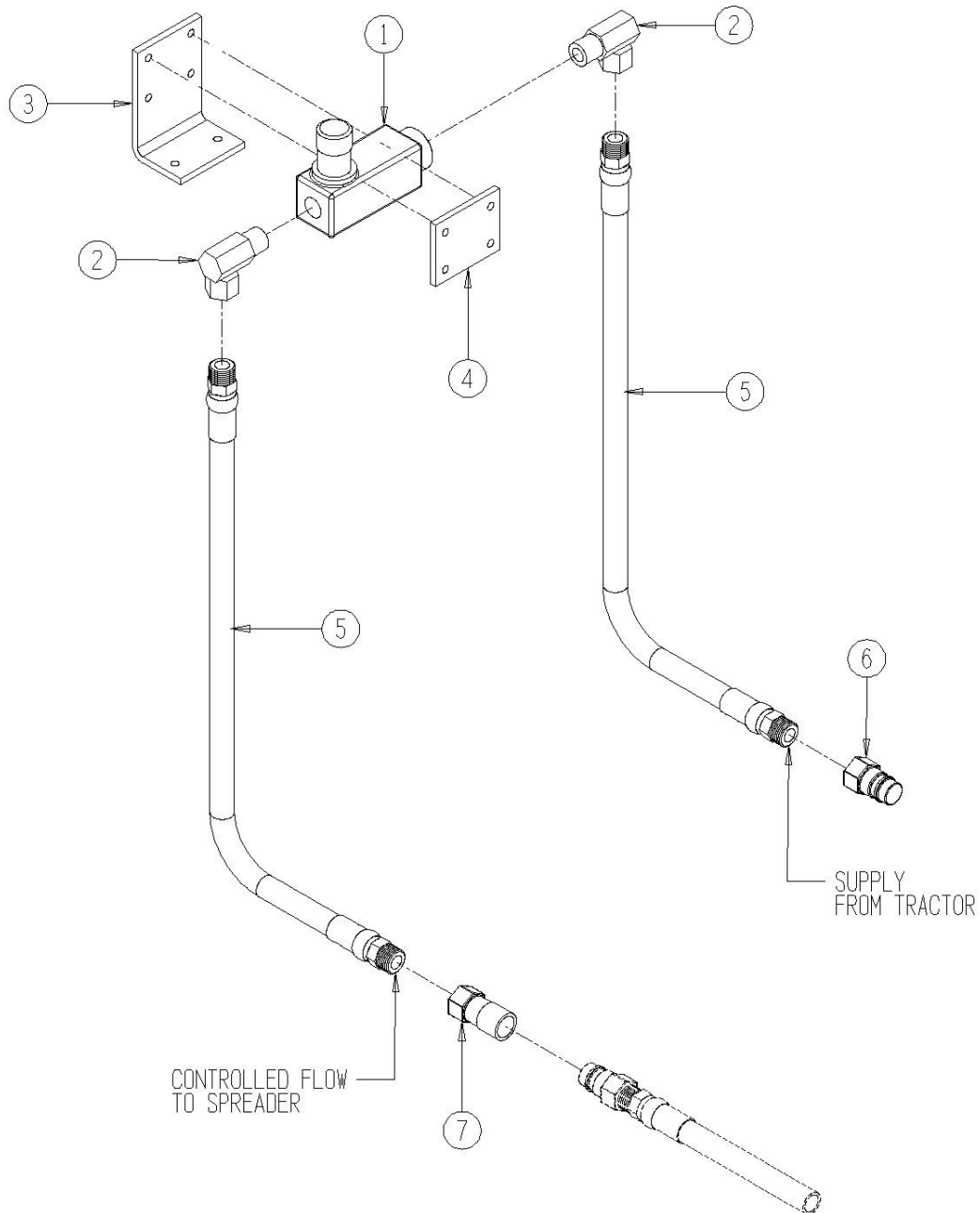


(805) Seal Kit

7001-3-6 Optional Control Valve, Closed Center Hydraulic System

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HV-8-8M-RFF	Flow Control Valve w/ reverse free flow/closed center	1		
2	A-1501-8-8	1/2 MP x 1/2 FPX90°	2		
3	MOU-0015	Mount, Control Valve, Closed Center, Spreader	1		
4	MOU-0016	Mount, Mating Plate, Control Valve, Closed Center	1		
5	H8-70-8MP-8MP	1/2 in hose 1/2MP x 1/2MP x 70 in long	2		
6	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2" w/ FPT	1		
7	A-QD2050-8-8	Tractor Quick Coupler, Female, 1/2" w/ FPT	1		
101	BL-4-275-H	1/4-20 X 2 3/4 HEX CAP G5 ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	6		
103	BL-4-FW	1/4 USS FW ZC	12		
104	BL-4-175-H	1/4-20 X 1 3/4 HEX CAP G5 ZC	2		

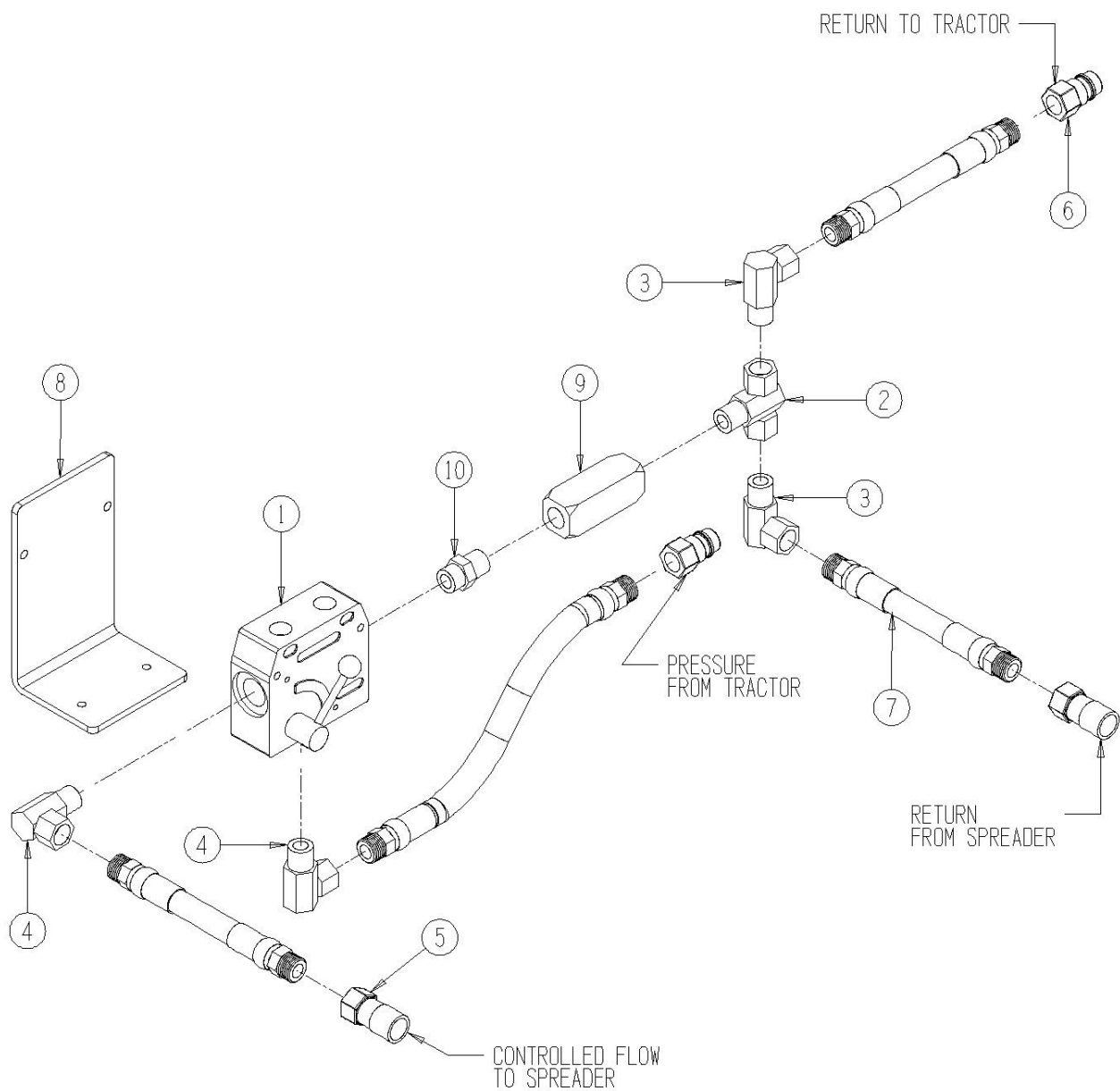
7001-3-6
CONTROL VALVE, CLOSED CENTER



7001-3-7 Optional Control Valve, Open Center Hydraulic System

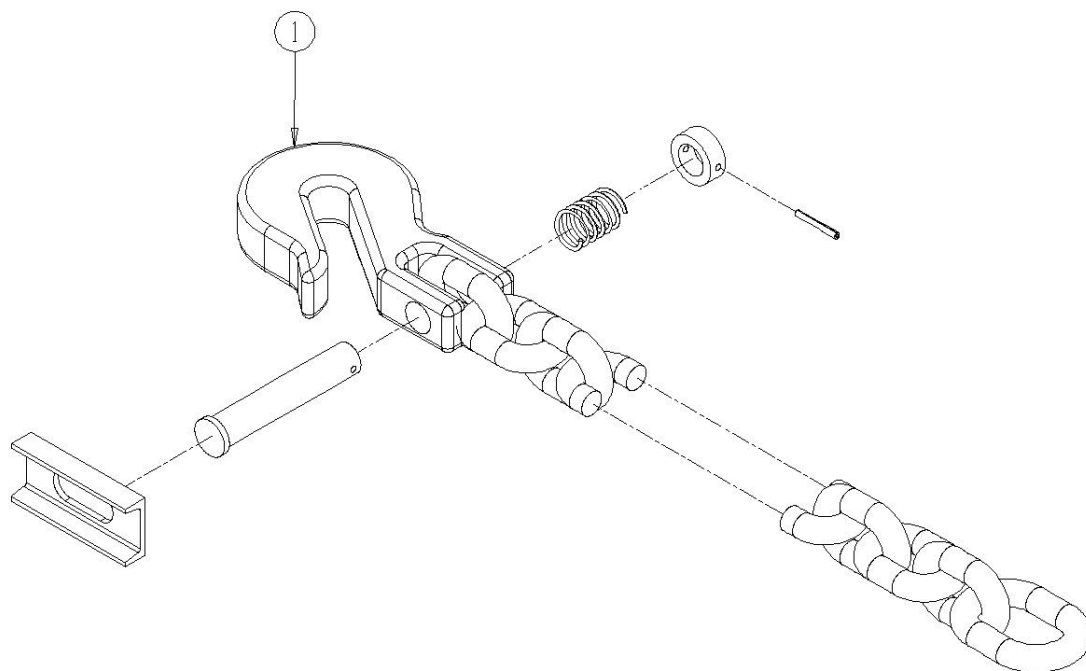
<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HV-FC5510	Flow Control	1		
2	A-1601-8-8-8	1/2 MP x 1/2 FPX x 1/2 FPX Tee	1		
3	A-1501-8-8	1/2 MP x 1/2 FPX90°	2		
4	A-6901-10-8	10 SAE x 1/2 FPX90°, Forged	2		
5	A-QD2050-8-8	Tractor Quick Coupler, Female, 1/2" w/ FPT	2		
6	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2" w/ FPT	2		
7	H8-70-8MP-8MP	1/2 in hose 1/2MP x 1/2MP x 70 in long	4		
8	MOU-0014	Mount, Control Valve, Open Center, Spreader	1		
9	HV-CKV-800S	1/2" Parker Check Valve	1		
10	A-6401-10-8	10 SAE x 1/2 MPT Male	1		
101	BL-4-175-H	1/4-20 X 1 3/4 HEX CAP G5 ZC	4		
102	BL-4-LN	1/4-20 HEX LN NE ZC	4		
103	BL-4-FW	1/4 USS FW ZC	4		

CONTROL VALVE, OPEN CENTER 7001-3-7



7001-4-2 Safety Tow Chain

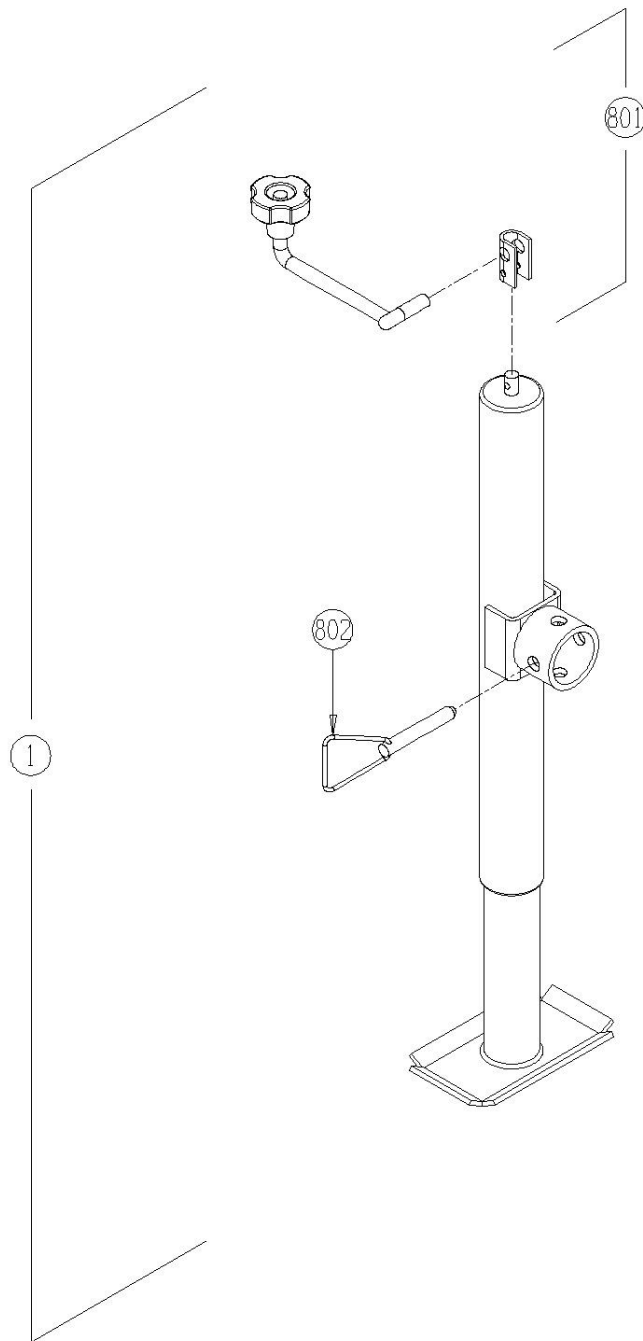
<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-3167	Safety Chain, Agricultural, 30,400 lb. Capacity	1	19701- 30097001-	
101	BL-12-450-8	¾" x 4 1/2", HH C/S G8 ZC	1		
102	BL-12-LN-8	¾" Lock Nuts w/ Nylon Inserts, Grade 8	1		
103	PR37152	Washer,Safety Chain	1		



7001-4-3 Jack Stand

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WH-16217	Bulldog Sidewind Swivel Jack, 5,000 lb.	1	-71009001 -70209005	Old Style-Topwind, Part No. WH-16122

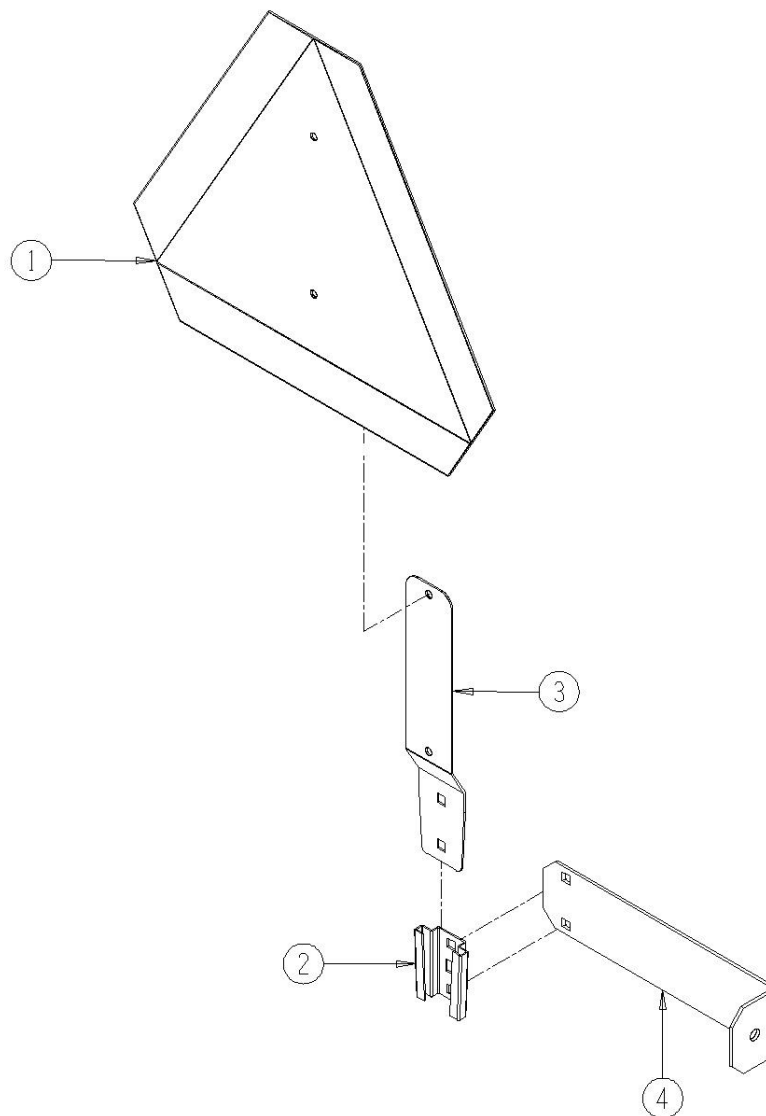
7001-4-3
JACK STAND



7001-4-4 Slow Moving Vehicle Emblem and Brackets

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SMV-PL	SMV Sign, Metal	1		
2	SMV-S	Socket for Spade Mount	1		
3	SMV-SM	Spade Mount	1		
4	PR39117	Bracket, SMV Sign, Spreader	1		
101	BL-5-075-H	5/16-18 X ¾ HEX CAP G5 ZC	2		
102	BL-4-062-C	1/4" x 5/8" Zinc Carriage Bolt	2		
103	BL-5-LN	5/16-18 HEX LN NE ZC	2		
104	BL-4-LN	1/4-20 HEX LN NE ZC	2		
105	BL-5-FW	5/16 USS FW ZC	2		

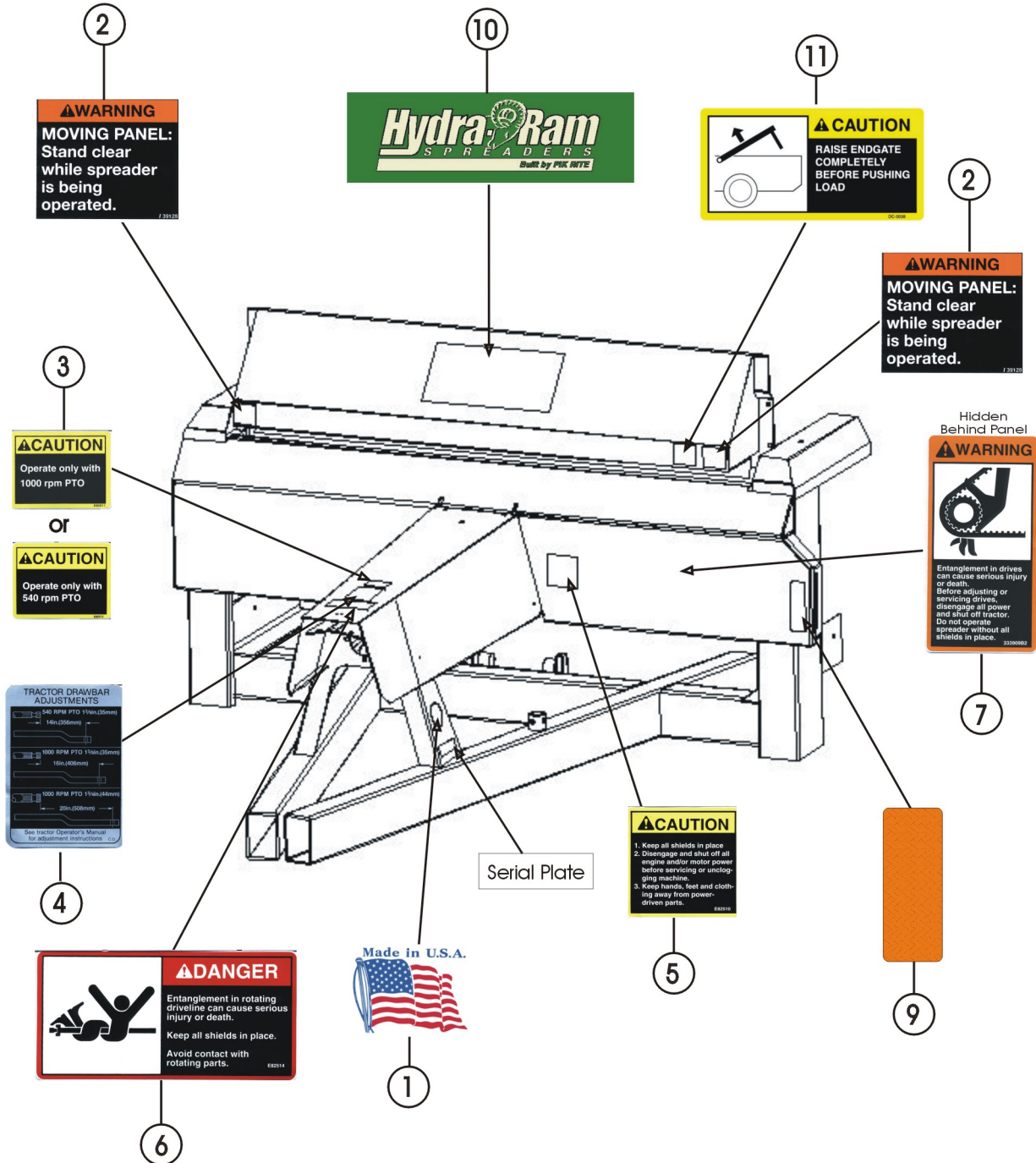
7001-4-4
SLOW MOVING VEHICLE EMBLEM & BRACKETS



7001-4-5 Decals on Front of Spreader

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
0	MAN-0047	Manual, Parts, 790 Spreader	0		
0	MAN-0048	Manual, Operators, 790 Spreader	0		
1	DC-0011	Decal, All, 'Made in USA', White Back w/ Red & Blue Letters	1		
2	DC-0020	Decal, Warning, Moving Panel	2		
3	DC-0024	Decal, Caution, 540 rpm PTO	0		
3	DC-0021	Decal, Caution, 1000 rpm PTO	1		
4	DC-0022	Decal, Tractor Drawbar Adjustments	1		
5	DC-0023	Decal, Caution, Keep All Shields In Place	1		
6	DC-0025	Decal, Danger, Entanglement In Rotating Drive	1		
7	DC-0027	Decal, Warning, Entanglement In Drives	1		
9	DC-0034	Decal, Amber, Reflector, Spreader	1		
10	DC-0052	Decal, 'Hydra Ram Spreaders' Logo, Large	1		
11	DC-0038	Decal, Caution, Raise Endgate Completely	1		
101	RI-3-6-P	Pop Rivets 3/16 x 3/8 Domed, .375 head, ea.	2		

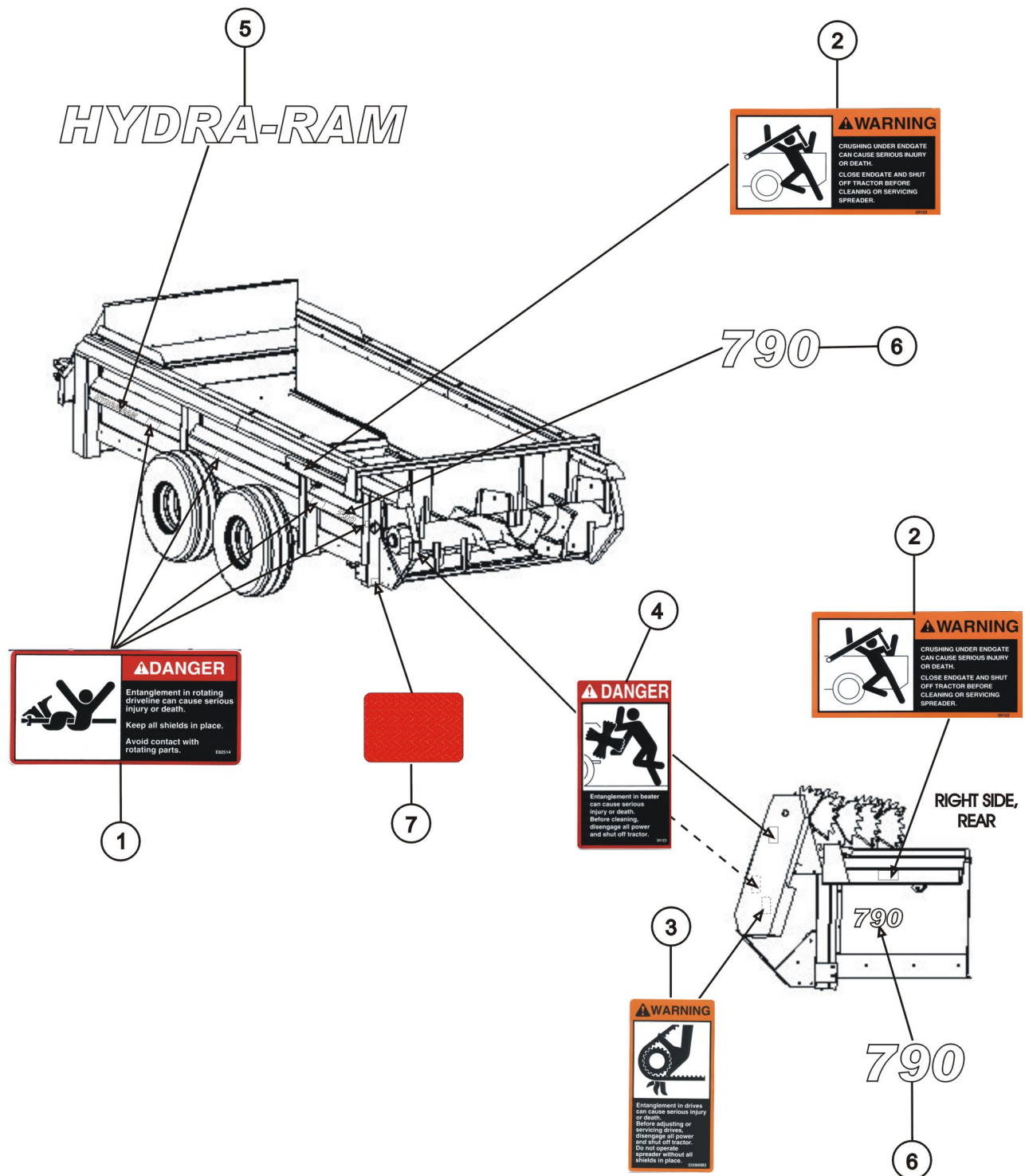
7001-4-5 DECALS, FRONT OF SPREADER



7001-4-6 Decals on Sides of Spreader

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	DC-0025	Decal, Danger, Entanglement In Rotating Drive	4		
2	DC-0026	Decal, Warning, Crushing Under Endgate	2		
3	DC-0027	Decal, Warning, Entanglement In Drives	1		
4	DC-0030	Decal, Danger, Entanglement In Beater	3		
5	DC-0036	Decal, 'HYDRA-RAM', Side Panels, Block Letters	2		
6	DC-0032	Decal, '790', Spreader	2		
7	DC-0033	Decal, Red, Reflector, Spreader	2		
8	DC-0038	Decal, Caution, Raise Endgate Completely	1		

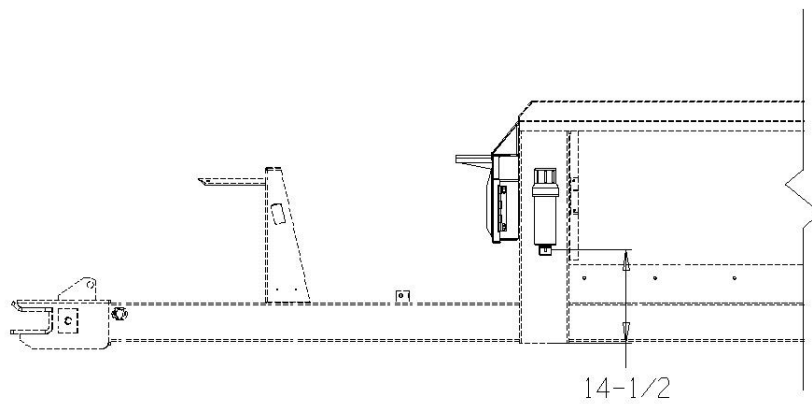
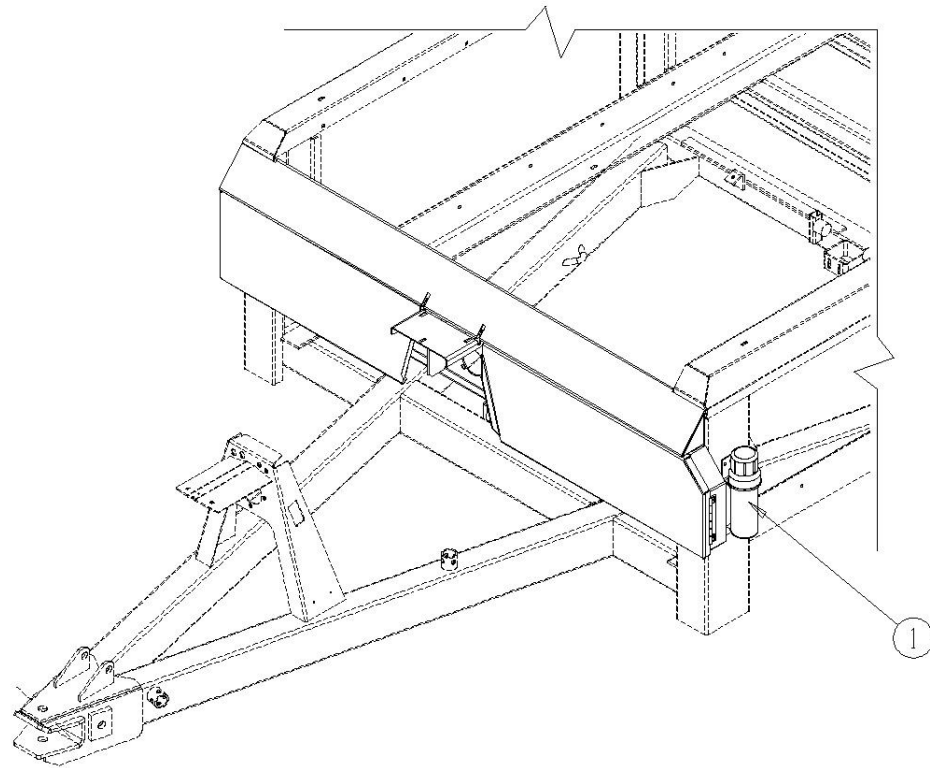
7001-4-6 DECALS, SIDE OF SPREADER



7001-4-8 Manual Holder

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	MAN-67670	Manual Holder/Canister	1		
101	BL-1224-087-DT	12-24 x 7/8 Drill and Tap Screw	4		

7001-4-8
MANUAL HOLDER



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Parts Manual
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