

HITCH, LEVELING BLADE AND RESERVOIR REFERENCE

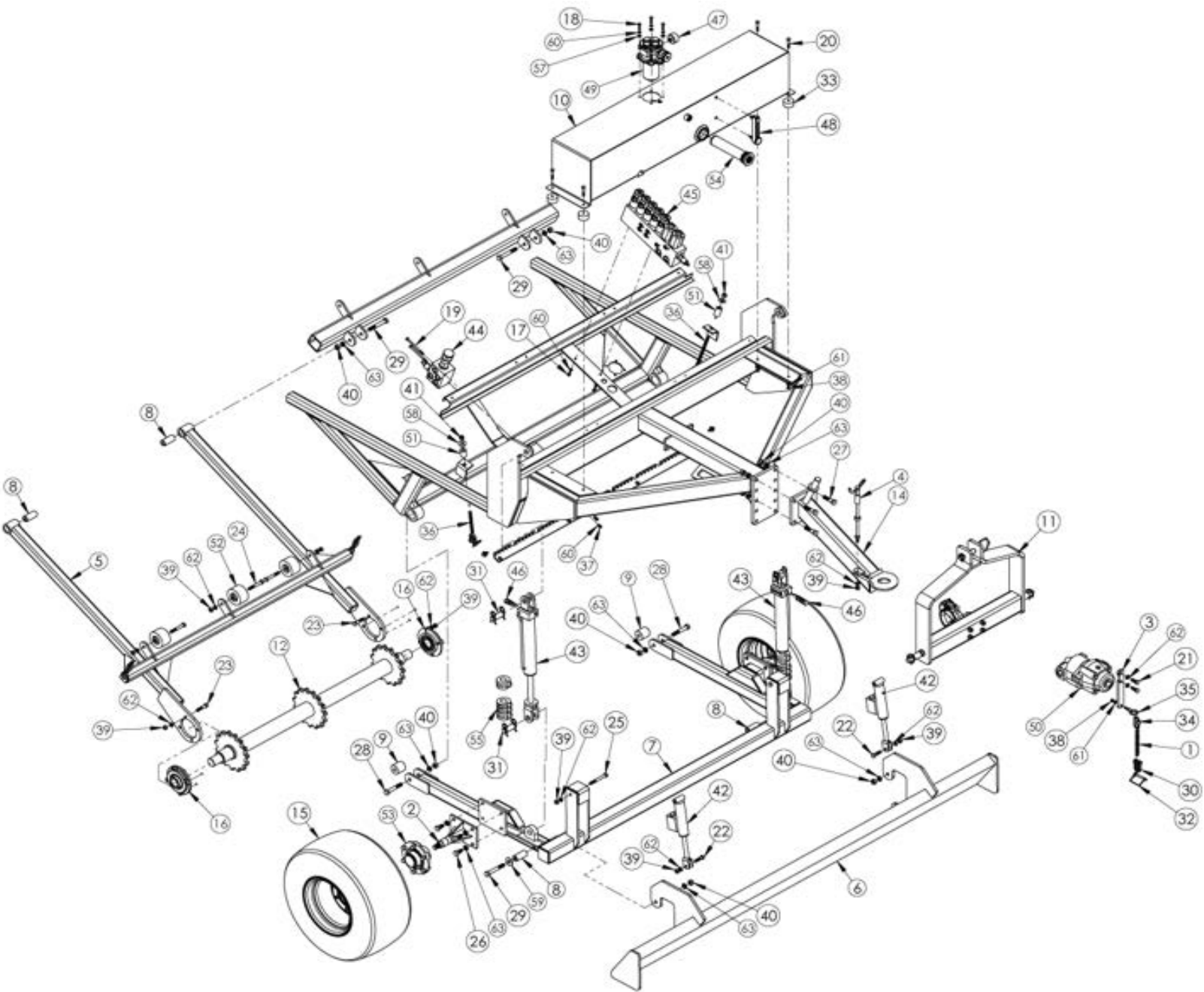
ITEM NO.	QTY.	PART NO.	DESCRIPTION	ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	005123	CHAIN, TOQUE ARM	34	1	P135005	QUICK LINK, 5/16"
2	2	005201	AXLE WLD, GAUGE WHEEL	35	1	P135102	3/8-16 X 1-1/4 FORGED EYE BOLT
3	1	005231	TORQUE ARM, EATON PTO	36	2	P135190	JAW END: 1/2-13 X 9
4	1	005313	HOSE LOOP ASSY, SLIDER	37	2	P155350	5/16-18 TOP LOCK NUT
5	1	450067	CONVEYOR SUPPORT	38	5	P155450	3/8-16 TOP LOCK NUT
6	1	450069	LEVELING BLADE WLD	39	22	P155850	NUT HEX, 1/2-13 TOP LOCK
7	1	450073	GAUGE WHEEL FRAME	40	8	P157500	5/8-11 TOP LOCK NUT
8	4	450098	BUSHING, NYL 1.25 X .625 X 2.688	41	2	P158005	1/2-13 NYLOCK NUT
9	2	450112	BUSHING, NYL 2 X .625 X 2	42	2	P259160	CYL, 1-1/2B X 4S W/CAV CH
10	1	450159	HYD RESERVOIR 4500	43	2	P259305	CYL, 2B X 10S W/CAV CH
11	1	450203	3 POINT ADAPTER, CAT 1 ASSY	44	1	P292300	VALVE: PS-VA08-0107-REVA
12	1	450242	SHAFT, FRONT CONV ASM 4500	45	1	P292400	VALVE: VA04-0699-1
14	1	470132	HITCH WELD, BOLT ON PINTLE	46	2	P294250	VALVE, PILOT CHECK CKCB-XFN
15	2	470152	WHEEL ASSY, 26 X 12-12	47	1	P297170	GAUGE, IND LP C1-20
16 *	2	P003175	BEARING, IPTCI UCFCX09-28 FLANGE *	48	1	P297220	GAUGE: OIL SIGHT
17	2	P100503	5/16-18 X 3/4" HEX BOLT	49 *	1	P371840	FILTER: MPT1042CAG8A10HBT SEE NOTE
18	4	P100505	5/16-18 X 1-1/4" HEX BOLT	50	1	P556600	PUMP, EATON PTO #77022-LAH
19	2	P100518	BOLT, HEX 5/16-18 X 4-1/2	51	2	P602420	SPRING, TUBE 1/2 X 1-1/8 X 1-3/4
20	4	P100608	3/8-16 X 2" HEX BOLT	52	9	P761100	SNUGULATOR 2500BD1X
21	2	P100805	1/2-13 X 1-1/4" HEX BOLT	53	2	P764300	HUB ASSEMBLY, 6 BOLT
22	2	P100807	1/2-13 X 1-3/4" HEX BOLT	54	1	P780100	STRAINER, HYD OIL
23	8	P100809	1/2-13 X 2-1/4" HEX BOLT	55	2	P781000	STROKE CONT SET
24	9	P100813	1/2-13 X 3-1/4" HEX BOLT	56	2	P781002	STROKE CONTROL, 1-1/2
25	2	P100816	1/2 X 4 HEX BOLT	57	4	P850104	1/4" FLAT WASHER
26	8	P101005	5/8-11 X 1-1/4" HEX BOLT	58	2	P850108	1/2" FLAT WASHER
27	4	P101010	5/8-11 X 2-1/2" HEX BOLT	59	2	P850110	5/8" FLAT WASHER
28	2	P101015	BOLT: HEX 5/8-11 X 3-3/4 GR8	60	4	P851105	5/16" LOCK WASHER
29	4	P101017	BOLT, HEX 5/8-11 X 4-1/4	61	5	P851106	3/8" LOCK WASHER
30	1	P118070	PIN CLEVIS, 5/16 X 1	62	24	P851108	1/2" LOCK WASHER
31	4	P120850	CLEVIS PIN: 1"	63	16	P851110	5/8" LOCK WASHER
32	1	P123005	3/8 SAFETY PIN X 2 1/2	Not pictured	1	470317	CORD, POWER ADAPTER
33	4	P133035	RUBBER SPACER 2" X 1"	Not pictured	1	P292050	CONTROL BOX, EA 1312-EA REV A
				Not pictured	1	P292100	HARNESS, WIRE PS-EA-1067-W1

* 71.P371841 REPLCEMENT HYDRAULIC FILTER ONLY

* P003175 BEARING REPLACED BY 71.P003115 BEARING 1-3/4 4 BOLT PILOT

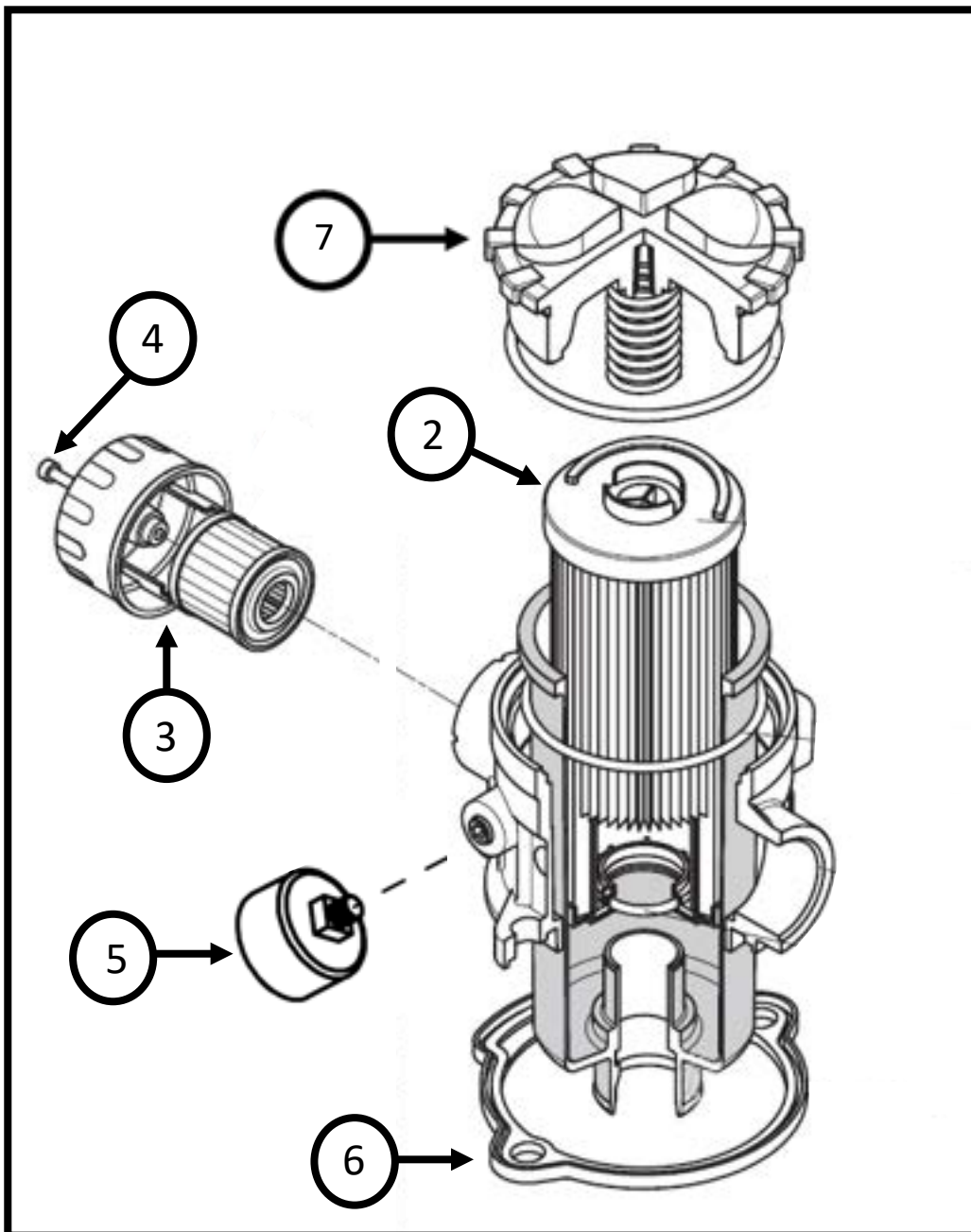
*Note conveyor chain / flights / shafts may have been converted to #100 type
 #100 converted units will have QTY 2 conveyor chain
 For replacement #100 items see information in section #8 -#100 conversion items

HITCH, LEVELING BLADE, AND RESERVOIR DIAGRAM



HYDRAULIC FILTER HOUSING

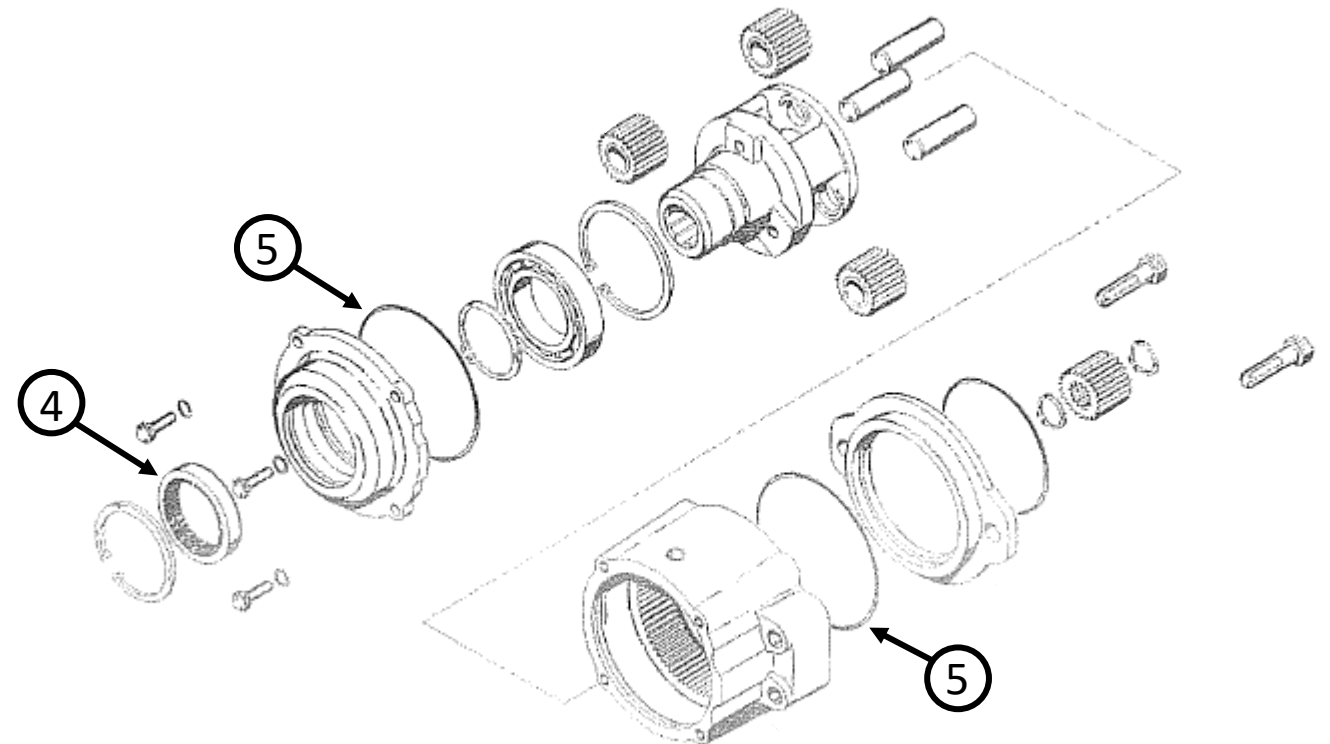
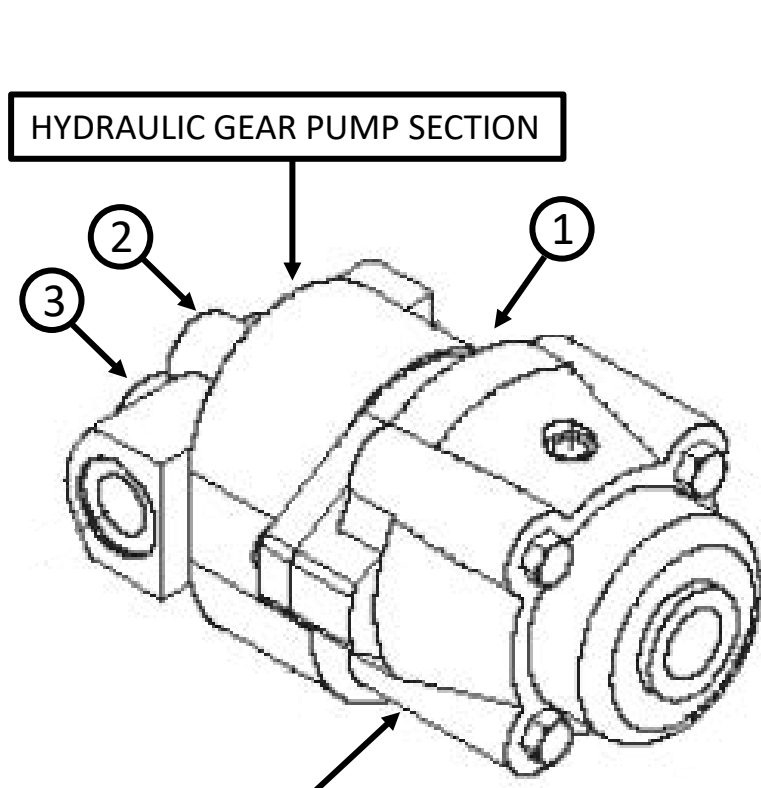
- 1) 71.P371840 Complete filter housing: includes base gasket and 10-micron filter element
- 2) 71.P371841 Filter element 10-micron
- 3) 71.P371842 Breather filter element / housing
- 4) 71.P110160 Mounting screw M4 - .7 X 25 mm socket head cap screw
- 5) 71.P297170 Filter indicator gauge
- 6) 71.P371839 Base gasket
- 7) 71.P371844 Cover with spring



PTO PUMP

PLANETARY GEARBOX DRIVE / HYDRAULIC GEAR PUMP

- 1) 71.P556600 COMPLETE PUMP ASSEMBLY (PLANETARY GEARBOX / HYDRAULIC GEAR PUMP FULLY ASSEMBLED)
- 2) 71.P556610 HYDRAULIC GEAR PUMP (GEAR PUMP SECTION ONLY)
- 3) 71.P556611 HYDRAULIC GEAR PUMP SEAL KIT
- 4) 71.V16253-34 PTO / PLANETARY GEARBOX INPUT SHAFT SEAL
- 5) 71.V160.15 O RING



PLANETARY GEARBOX DRIVE SECTION

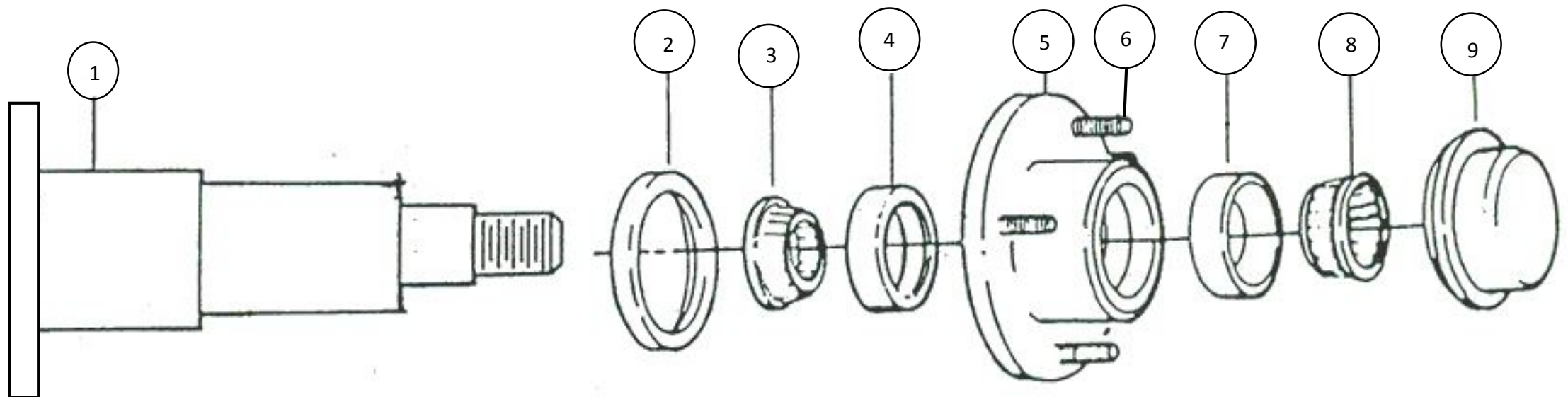
PLANETARY GEARBOX DRIVE EXPLODED VIEW

FRONT HUB ASSEMBLY MODEL 4500

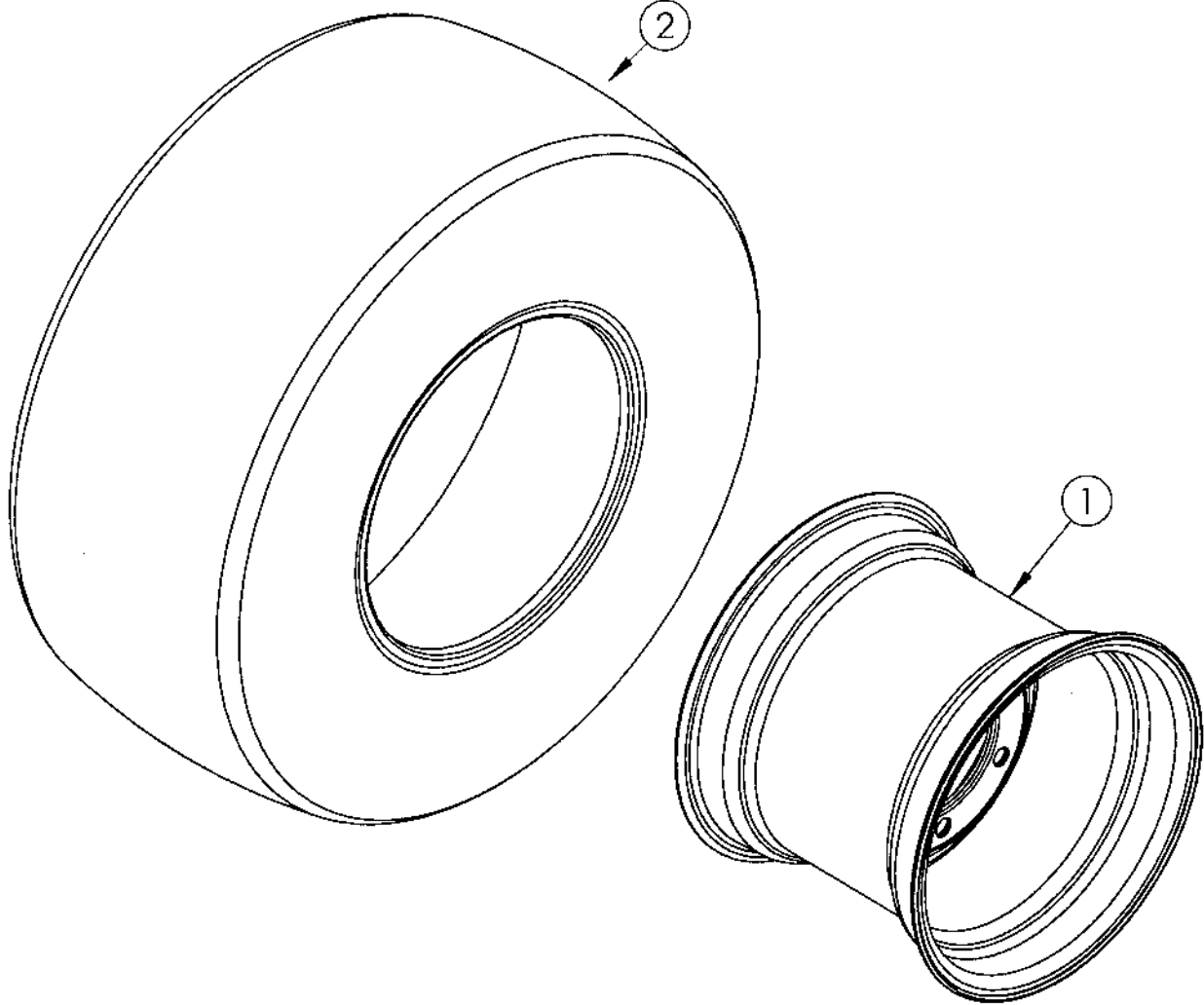
- 1) 71.005201 AXLE WELD: GAUGE WHEEL
- 2) 71.P764302 HUB SEAL MFG. / SKF P/N: 16284
- 3) 71.P764303 INNER CONE / BEARING PEER P/N: LM29749
- 4) 71.P764304 INNER CUP / RACE PEER P/N: LM29710
- 5) 71.P764300 COMPLETE HUB ASSEMBLY (CONTAINS ITEM# 2 THRU 9 EXCEPT FOR #6)
- * 71.P764305 HUB ONLY: 6 BOLT X 6 INCH BOLT CIRCLE X 4-5/8 PILOT

- 6) 71.P764306 WHEEL BOLT 1/2-20 NF X 1-3/4 CONICAL
- 7) 71.P764307 OUTER CUP / RACE PEER P/N: LM67010
- 8) 71.P764308 OUTER CONE / BEARING PEER P/N: LM67048
- 9) 71.P764301 DUST CAP GKN P/N: P502026

- 71.P764310 BEARING KIT: CONTAINS ITEM# 2 THRU 4 **AND** 7 THRU 9



PART NO.
470152



P/N: 470152 FRONT TIRE ASSEMBLY

2	1	P763300	TIRE, 26 X 12-12 TURF TRAC
1	1	P750300	RIM: 12 X 10.50
ITEM	QTY.	PART NUMBER	DESCRIPTION

		P.O. BOX 2135 JAMESTOWN, ND 58402		
DRAWN BY LEM	PROPRIETARY AND CONFIDENTIAL	UNLESS OTHERWISE NOTED		
DATE 11-9-07	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHERRINGTON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHERRINGTON IS PROHIBITED.	TOLERANCES ON		
DO NOT SCALE		DECIMALS	FRACTIONS	ANGLES
		.XX±.060	±1/32	±1°
		.XXX±.030		
TITLE WHEEL ASSY, 26 X 12-12		PART NO.		
		470152		

SCREEN FRAME PARTS REFERENCE

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	450014	SCREEN FRAME ASM HA4
2	28	450022	FLIGHT BLADE 4500
3	1	450064	CUTTING EDGE 4500
4	1	450086	SPACER, FRONT SCREEN LIP
5	1	450089	MT, REAR SHAFT
6	28	450099	FLIGHT ANGLE, 35°
7	1	450154	WLD, SCREEN TENSIONER
8	18	450174	RISER, SCREEN
9	1	450205	SCREEN HOLD DW 3/4", 4500
10	1	450235	SCREEN ASSY: 3/4 X 60", DOUBLE HOOK
11	2	450247	GLIDE RAIL 4500
12	1	450248	MAIN FRAME, 4500B
13	2	450285	PLATE, ISO STOP
14	2	470130	FLIGHT PUCK
15	2	M5009-5	3/16" X 1/2" X 1-3/4" WASHER
16	4	M6223	3/16" X 1/2" ID X 3" OD WASHER
17	16	P100504	BOLT: HEX, 5/16" NC X 1" GR5
18	56	P100603	BOLT: HEX, 3/8"NC X 3/4" GR5
19	61	P100604	BOLT: HEX, 3/8" NC X 1" GR5
20	84	P100605	BOLT: HEX, 3/8"NC X 1 1/4"GR5 ZN
21	18	P100808	1/2-13 X 2" HEX BOLT GR8
22	6	P100813	1/2-13 X 3-1/4" HEX BOLT
23	2	P100815	BOLT: HEX, 1/2-13 NC X 3 3/4" GR.5
24	2	P100817	BOLT, HEX 1/2-13 X 4-1/4
25	2	P101008	BOLT: HEX, 5/8-11 NC X 2
26	4	P104806	BOLT: CARRIAGE, 1/2" X 1-1/2" GR5
27	8	P110404	CAPSCREW, 1/4-20 X 1" ALLEN HD
28	4	P114606	BOLT, PLOW 3/8 X 1-1/2
29	4	P133065	ISOLATOR: SQ PLATFORM 283P310
30	3	P150600	3/8-16 HEX NUT
31	4	P150800	NUT: HEX, 1/2" PLATED
32	16	P155350	NUT: HEX, 5/16 TOP-LOCK
33	140	P155450	NUT: HEX, 3/8" TOP-LOCK
34	2	P155800	5/8-11 HEX JAM NUT
35	11	P155850	NUT: HEX, 1/2" TOP-LOCK
36	8	P158003	NUT, HEX, 1/4 ELASTIC STOP
37 *	1	P358100	VIBRATOR, HYD HA4-3300
38	4	P605010	SPRING BUMPER, 3/4
39	3	P632420	CHAIN: CA620-135-C21-28-3 D/OFF-1 CO
40	6	P761100	SNUGULATOR 2500BD1X
41	16	P851105	WASHER: LOCK 5/16"
42	151	P851106	3/8" LOCK WASHER
43	14	P851108	1/2" LOCK WASHER
44	5	P851606	3/8" HEAVY WASHER
45	36	P852015	WASHER, 3/8 FENDER
NOT SHOWN	1	450237	SCREEN ASSY: 1/2 X 60", DOUBLE HOOK
NOT SHOWN	1	450232	SCREEN HOLD DW 1/2", 4500

*Note conveyor chain / flights / shafts may have been converted to #100 type

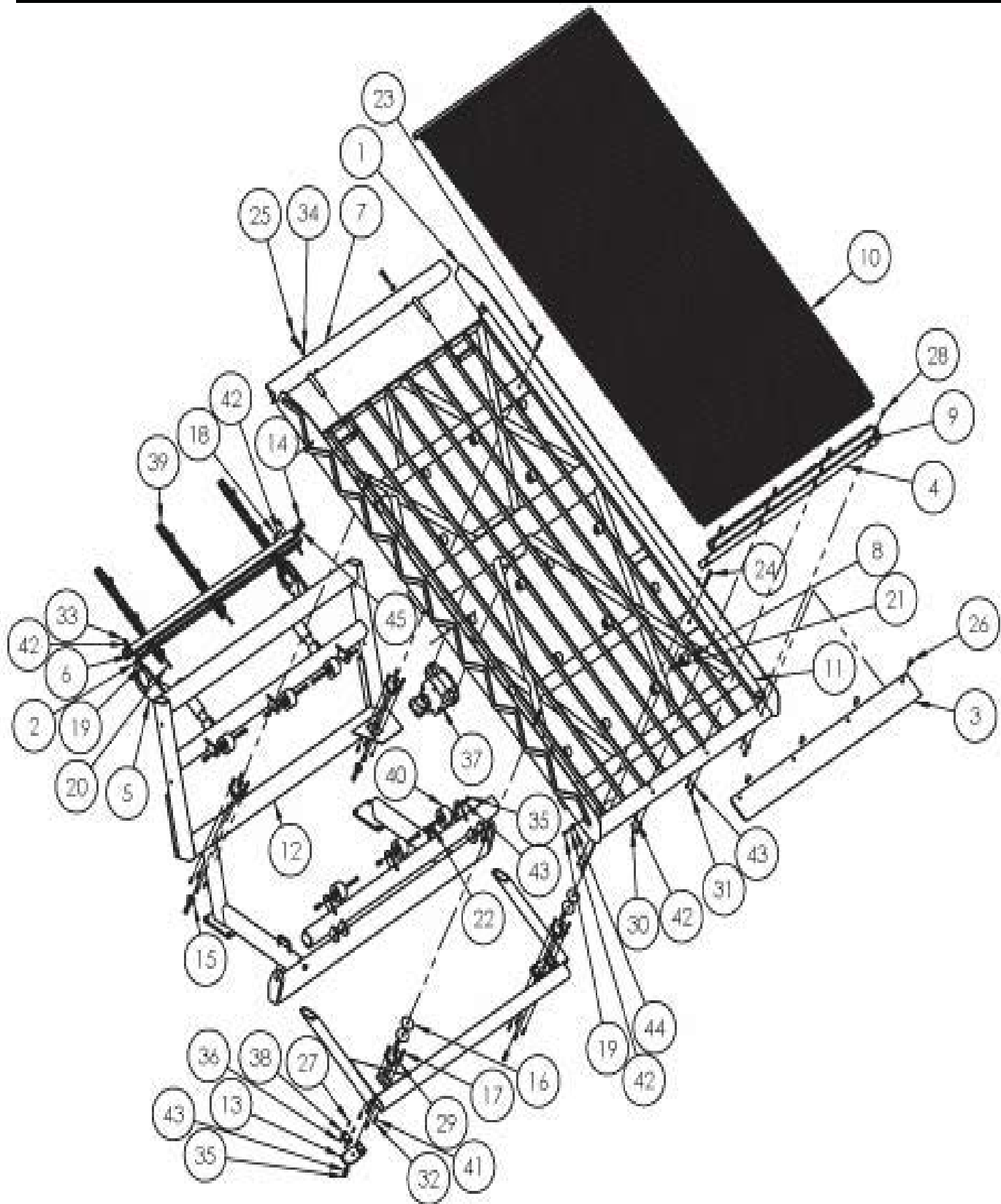
#100 converted units will have QTY 2 conveyor chain For replacement items see information in section #8

* #37 SHAKER / VIBRATOR ADDITIONAL ITEMS

71.P358105 HYDRAULIC MOTOR SHAFT SEAL

71.P358107 HYDRAULIC MOTOR 71.P358108 COUPLING DRIVE ASSEMBLY

SCREEN FRAME DIAGRAM

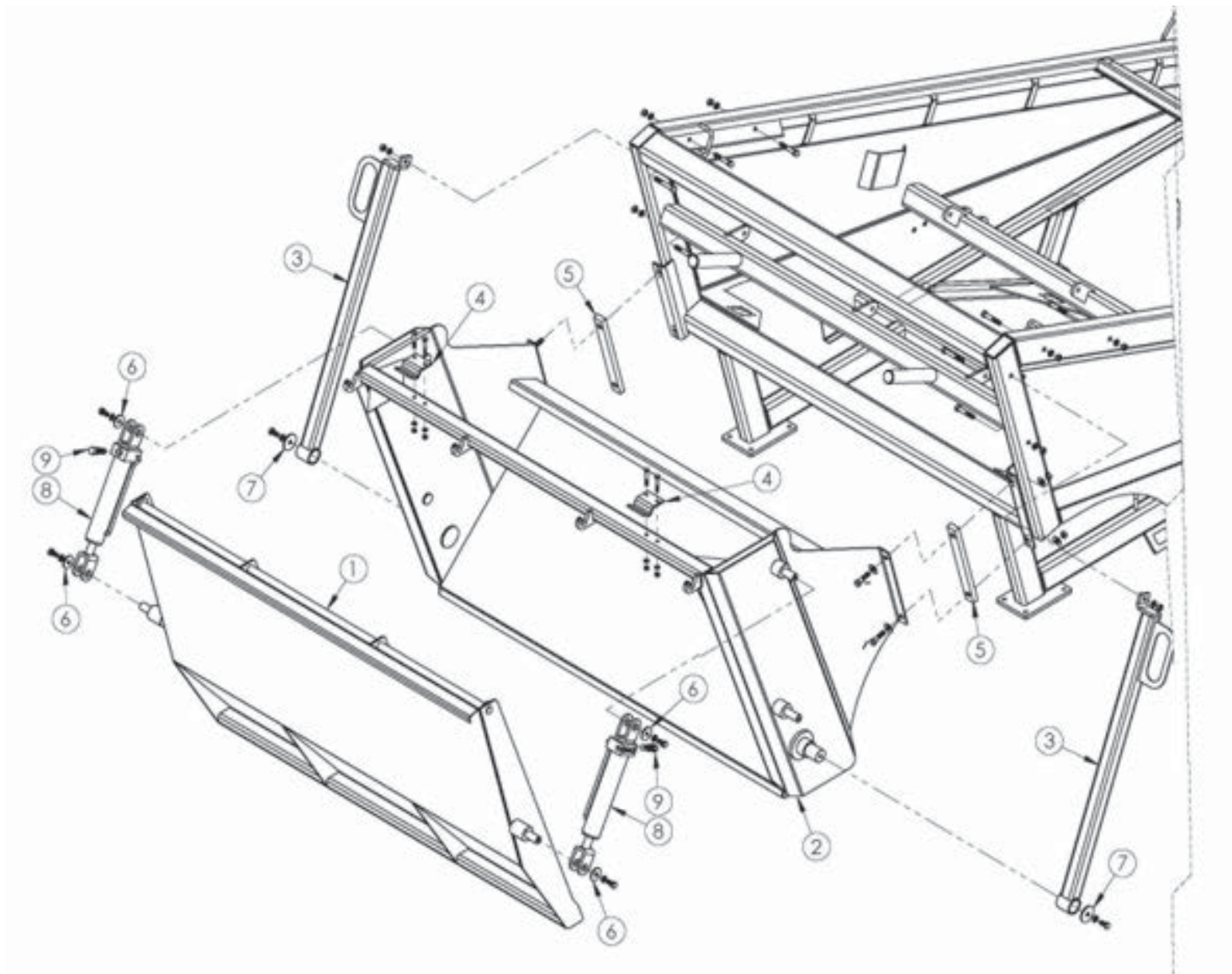


GROUND DUMP (MODEL 4500) REFERENCE

<u>Item</u>	<u>Qty</u>	<u>Part ID</u>	<u>Description</u>
1	1	450255	HOPPER DOOR WLD 1.5
2	1	450253	HOPPER BASE WLD
3	2	450103	HOPPER SUPPORT
4	2	450149	HOPPER LOCK
5	2	450187	SPACER, HOPPER BASE
6	4	M5009-5	WASHER: 3/16" X 1/2" X 1-3/4"
7	2	M5462	WASHER: 3/16 X 1/2 ID X 2-1/4 OD
8	2	P259330	CYLINDER: 2B X 8S W/CAV CH
9	2	P294250	VALVE: PILOT CHECK CARTRIDGE CKCB-XFN
OPT	1	P250262	HOPPER DOOR WLD 1.75



GROUND DUMP (MODEL 4500) DIAGRAM

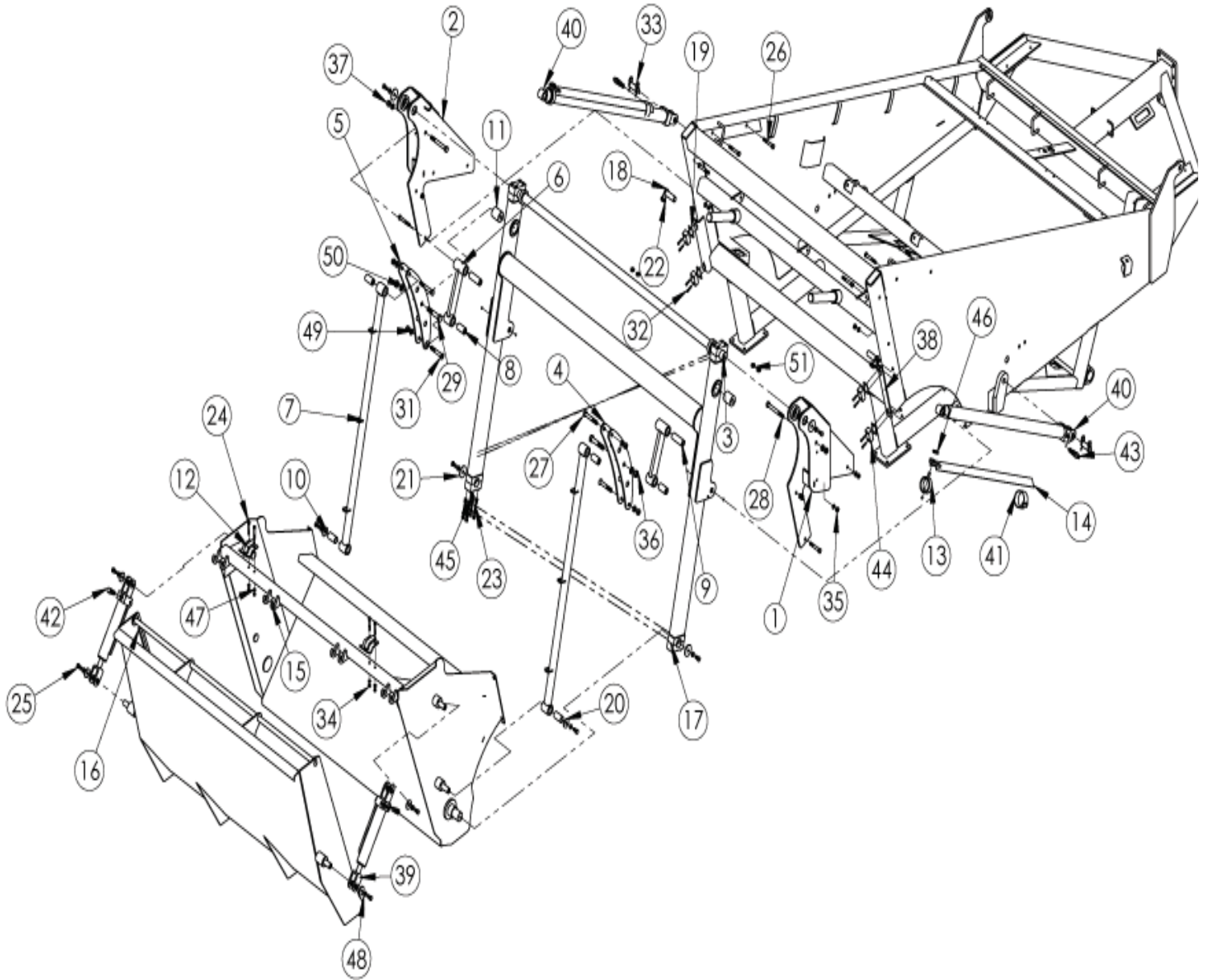


HIGH LIFT (MODEL 4500XL) REFERENCE

ITEM NO.	QTY.	PART NO.	DESCRIPTION	ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	450114	MT: HIGH LIFT RH	27	2	P101016	BOLT: HEX 5/8-11 X 4" GR8
2	1	450115	MT: HIGH LIFT LH	28	2	P101021	BOLT: HEX 5/8-11 X 5-1/4
3	1	450116	PIVOT, HIGH LIFT STABILIZER	29	2	P101216	BOLT, HEX 3/4-10 X 4 GR8
4	1	450117	SCISSOR ARM WLD RH	30	2	P108606	SET SCREW, 3/8-16 X 3/8
5	1	450118	SCISSOR ARM WLD LH	31	2	P110750	BOLT: FLAT HD SOCKET 5/8-11 X 4" Z
6	2	450120	LINK: SCISSOR ACTION BASE	32	8	P110912	CAPSCREW, 1/4-20 X 1-1/4 ALLEN HD
7	2	450121	LINK: SCISSOR ACTION PARALLEL	33	2	P120850	CLEVIS PIN: 1"
8	4	450138	BUSHING: NYL 1.25 X .625 X 2.312	34	6	P155450	3/8-16 TOP LOCK NUT
9	2	450139	BUSHING, NYL 1.25 X .625 X 3.5	35	8	P155850	NUT HEX, 1/2-13 TOP LOCK
10	2	450140	BUSHING: NYL 1.25 X 1 X 2.312	36	2	P157120	3/4-10 TOP LOCK NUT
11	2	450141	BUSHING: NYL 2 X .75 X 2.312	37	6	P157500	5/8-11 TOP LOCK NUT
12	2	450149	HOPPER LOCK, WLD	38	8	P158003	NUT, HEX, 1/4 ELASTIC STOP
13	2	450193	RETAINER, PROP BAR	39	2	P259330	CYL, 2B X 8S W/CAV CH
14	2	450194	SAFETY PROP BAR ASM	40	2	P259335	CYL; 2B X 42S W/CAV 1" BARREL END
15	1	450253	HOPPER BASE WLD 4500B	41	2	P259999	STRAP: 12" STD DUTY CINCH
16	1	450255	HOPPER DOOR WELD 1.5	42	2	P294250	VALVE, PILOT CHECK CKCB-XFN
17	1	450257	BOOM WLD 4500B	43	2	P294260	VALVE, COUNTERBALANCE CHECK CBCG-LJN
18	2	480087	PIN, 1" X 3" LOCK	44	4	P605000	SPRING BUMPER
19	4	M30079	SPACER, BUMPER	45	4	P620200	1/4-28 STR GREASE FITTING
20	6	M5009-5	3/16" X 1/2" X 1-3/4" WASHER	46	2	P622604	PIN, LYNCH 3/16 X 1-1/4
21	4	M5462	3/16 X 1/2 ID X 2-1/4 OD WASHER	47	22	P851106	3/8" LOCK WASHER
22	2	P100604	3/8-16 X 1.0" HEX BOLT	48	18	P851108	1/2" LOCK WASHER
23	16	P100609	3/8-16 X 2-1/4 HEX BOLT	49	6	P851110	5/8" LOCK WASHER
24	4	P100610	3/8-16 X 2-1/2 HEX BOLT	50	2	P851112	3/4 LOCK WASHER
25	10	P100804	1/2-13 X 1" HEX BOLT	51	4	P851606	3/8" HEAVY WASHER
26	8	P100813	1/2-13 X 3-1/4" HEX BOLT	OPT.	1	450262	HOPPER DOOR WLD. 1.75



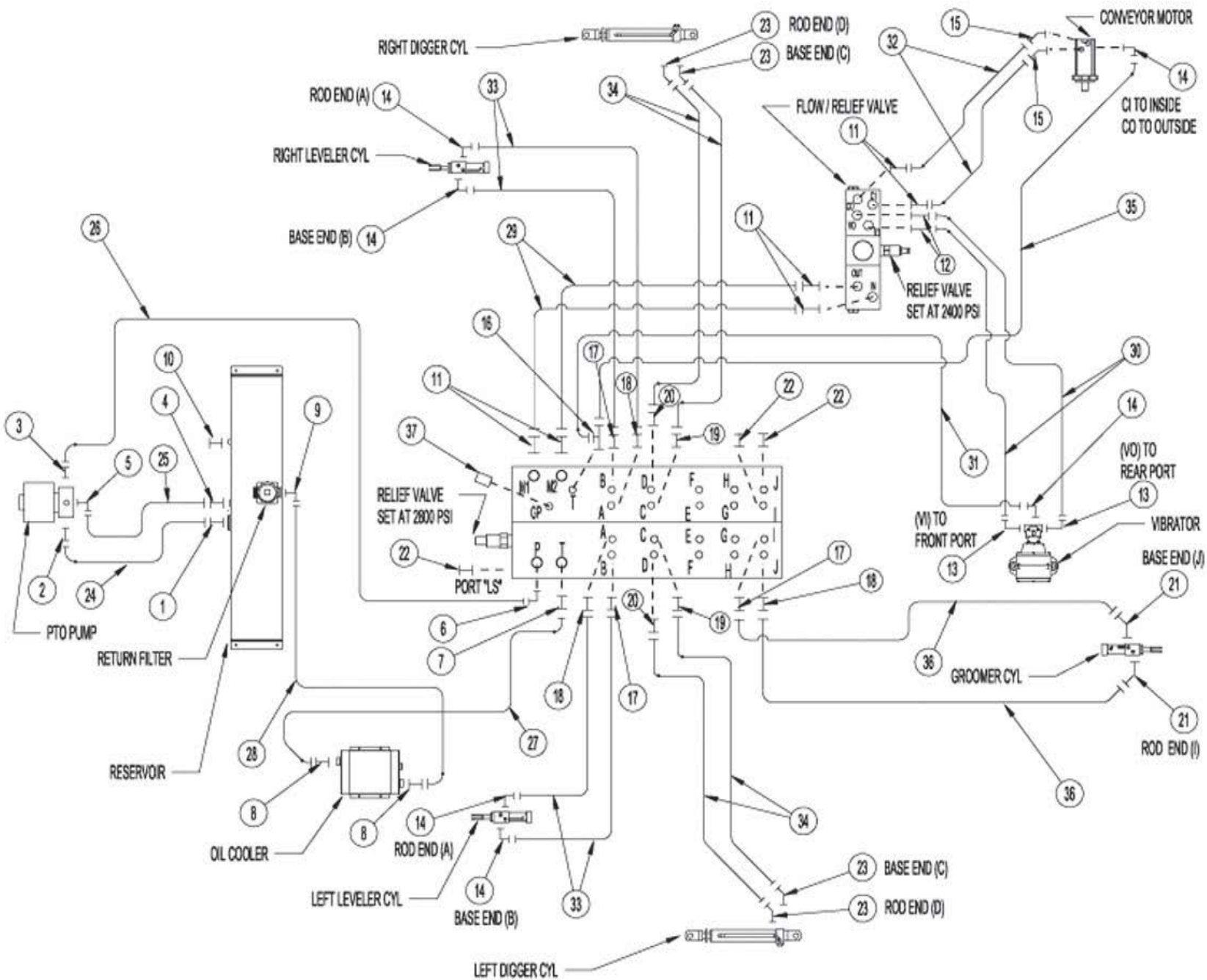
HIGH LIFT (MODEL 4500XL) DIAGRAM

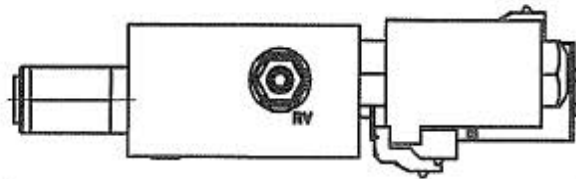
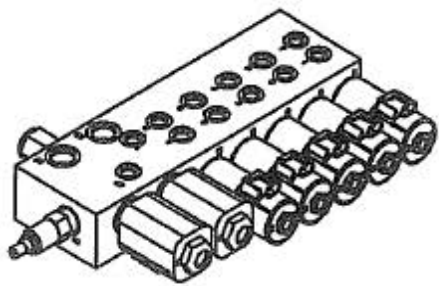


HYDRAULICS REFERENCE

<u>Item</u>	<u>Qty</u>	<u>Part ID</u>	<u>Description</u>
1	1	P277185	FITTING: 20 MJ 20MP
2	1	P277190	FITTING: 20 MJ 20MB
3	1	P276458	FITTING: 10MJ 12MB
4	1	P276110	FITTING: 6MJ 8MB
5	1	P261350	FITTING: 6MJ 6MB 90 ELBOW
6	1	P276202	FITTING: 10MJ 10MB 90 ELBOW
7	1	P276440	FITTING: 12MJ 10MB
8	2	P277100	FITTING: 12MJ 16MB
9	1	P277106	FITTING: 12MJ 16MB 90 ELBOW
10	1	P278005	FITTING: 8MB PLUG
11	6	P276200	FITTING: 10MJ 10MB
12	2	P276430	FITTING: 8MJ 10MB
13	2	P261553	FITTING: 8MJ 8MB 90 LONG ELBOW
14	6	P261400	FITTING: 4MJ 4MB 90 ELBOW
15	2	P276201	FITTING: 10MJ 10MB 45 ELBOW
16	1	P265425	FITTING: 6MB 4MJ 4MJ TEE
17	3	P261452	FITTING: 4MJ 6MB
18	3	P276115	FITTING: 4MJ 6MB W/.035 ORIFACE
19	2	P276103	FITTING: 6MJ 6MB W/.062 ORIFACE
20	2	P276101	FITTING: 6MJ 6MB
21	2	P261420	FITTING: 4MJ 4MB 45 ELBOW
22	3	P270906	FITTING: 6MB PLUG
23	4	P261525	FITTING: 6MJ 6MB45
24	1	P289975	HOSE: SUCTION, 75" 20FJ 20FJ90
25	1	P283081	HOSE: 6 X 81" 6FJ 6FJ
26	1	P285100	HOSE: 10 X 100" 10FJ 10FJ90 W/CORDURA
27	1	P286031	HOSE: 12 X 31" 12FJ45 12FJ90 (180°)
28	1	P286047	HOSE: 12 X 47" 12FJ 12FJ90
29	2	P285023	HOSE: 10 X 23" 10FJ 10FJ
30	2	P284114	HOSE: 8 X 114" 8FJ 8FJ45
31	1	P282140	HOSE: 4 X 140" 4FJ 4FJ90
32	2	P285126	HOSE: 10 X 126" 10FJ 10FJ45
33	4	P282056	HOSE: 4 X 56" 4FJ 4FJ90
34	4	P283046	HOSE: 6 X 46" 6FJ 6FJ90 LONG
35	1	P282158	HOSE: 4 X 158" 4FJ 4FJ45
36	2	P282172	HOSE: 4 X 172" 4FJ 4FJ
37	1	P276290	NIPPLE DIAGNOSTIC

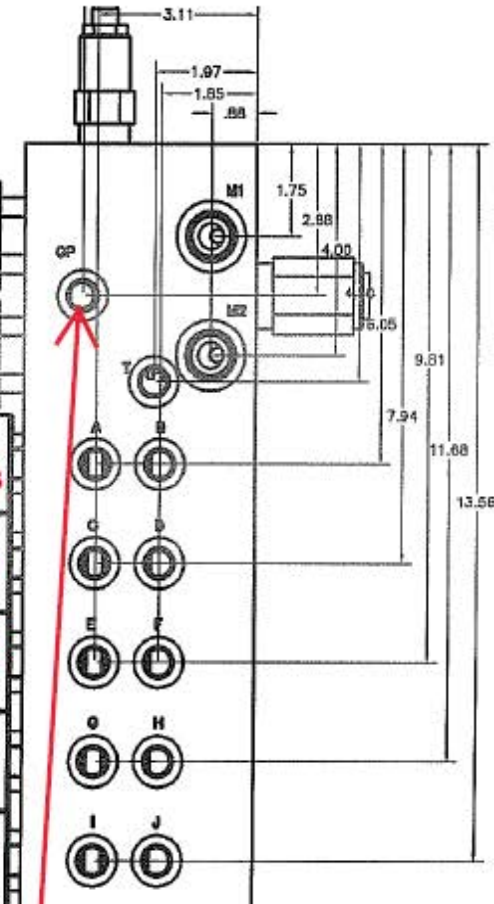
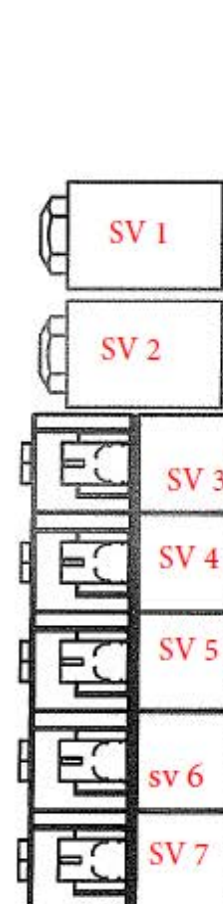
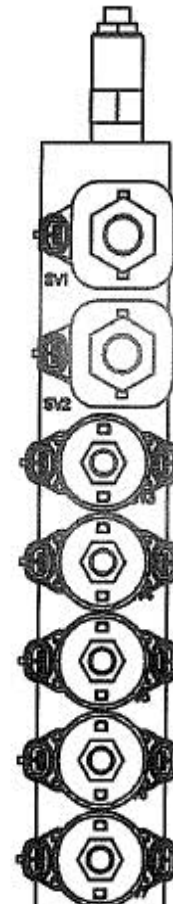
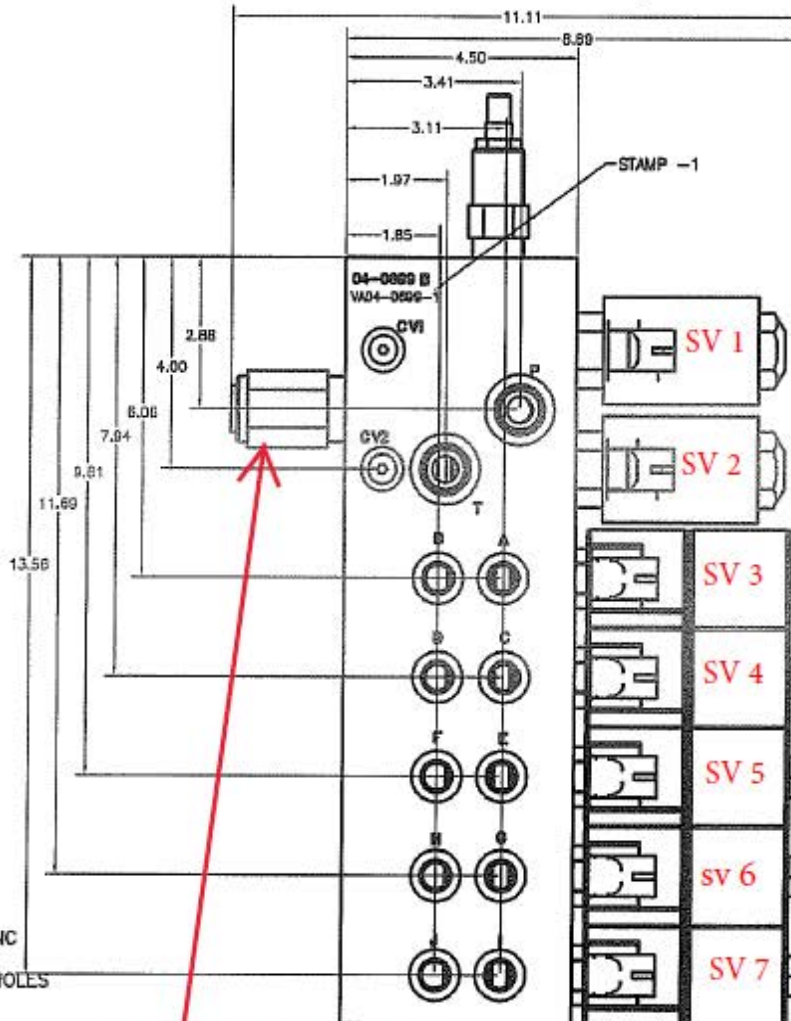
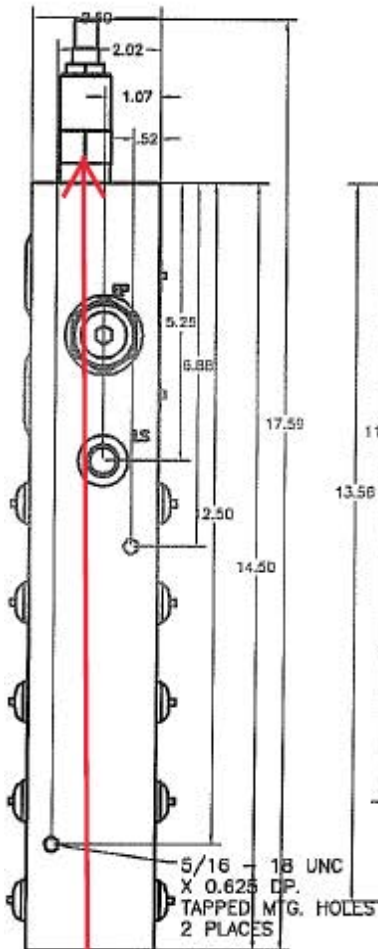
HYDRAULICS DIAGRAM





LOCATION	CARTRIDGE P/N	COIL P/N	SEAL KIT P/N
SV1	71.P291122	71.P291120	71.P291123
SV2	71.P291122	71.P291120	71.P291123
SV3	71.P292402	71.P291110	71.P291117
SV4	71.P292402	71.P291110	71.P291117
SV5	71.P291111	71.P291110	71.P291117
SV6	71.P292402	71.P291110	71.P291117
SV6	71.P292402	71.P291110	71.P291117
SV7	71.P292402	71.P291110	71.P291117
RELIEF	71.P292401		
EP	71.P291114		
EP	71.P291113		

(EP valve types do not interchange)
 Early EP: extends beyond the bottom of valve block
 Late EP: mounts basically flush with bottom of valve body



EP VALVE LOCATION
 (EARLY STYLE SHOWN P/N: 71.P291114)

HYDRAULIC TEST POR LOCATION (GP)

PORT LOCATIONS:
 SV1 / SV2 - M1,M2-CONVEYOR, FORWARD/REVERSE
 SV3 - A+B-LEVEL BLADE, RAISE/LOWER
 SV4 - C+D-DIGGER LIFT, RAISE/LOWER
 SV5 - E+F-HOPPER LIFT, RAISE/LOWER
 SV6 - G+H-HOPPER DUMP, OPEN/CLOSE
 SV7 - I+J-GROOMER, RAISE/LOWER

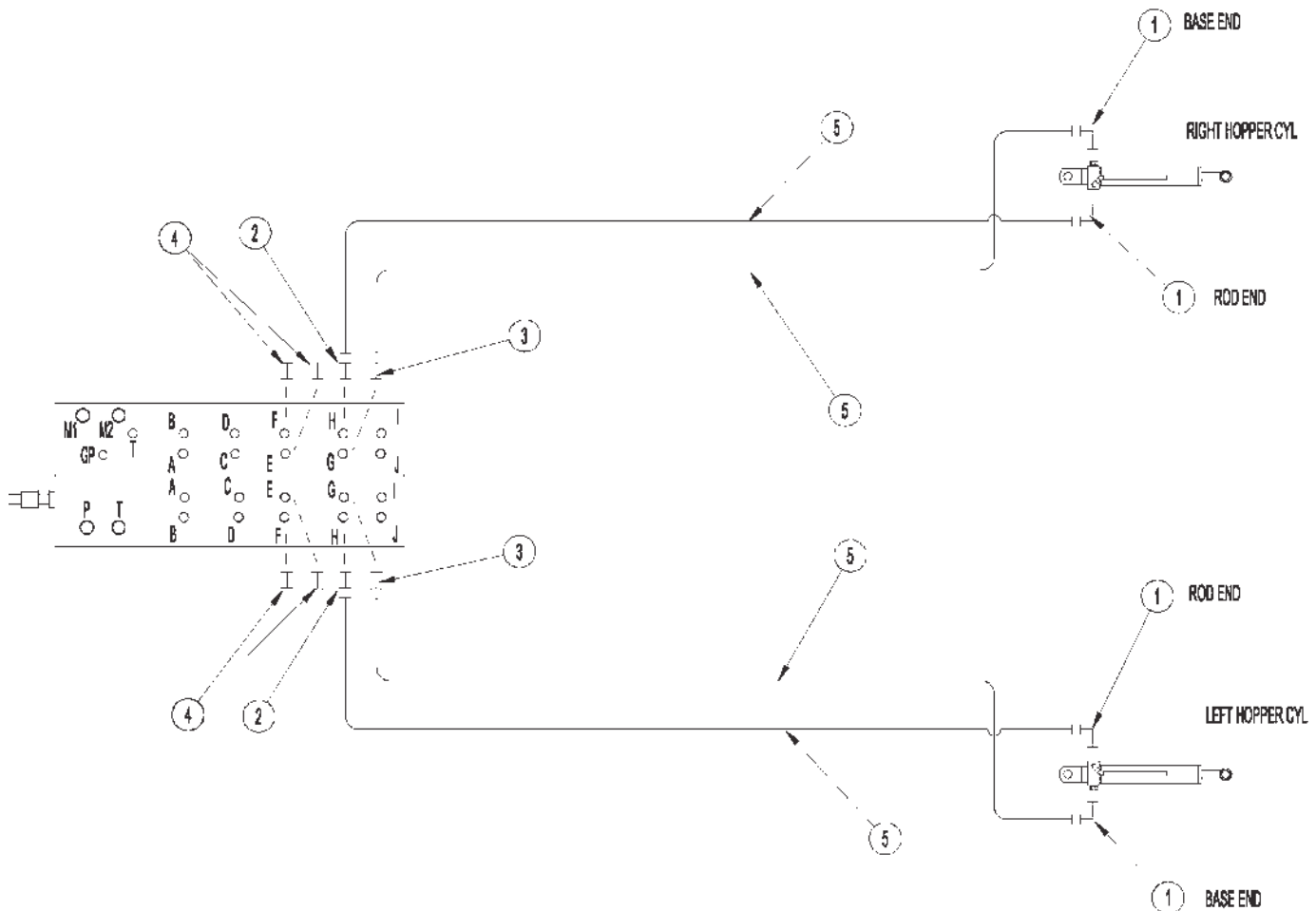
CONTROL FUNCTIONS:
 SV1 CONVEYOR FORWARD
 SV2 CONVEYOR REVERSE
 SV3 LEVELING BLADE RAISE / LOWER
 SV4 DEPTH CYLINDER (DIGGER POINT) RAISE / LOWER
 SV5 HOPPER BOOM RAISE / LOWER
 SV6 HOPPER DOOR (DUMP) OPEN / CLOSE
 SV7 GROOMER (FINISHER) RAISE / LOWER

MAIN VALVE P/N 71.P292400
 USED ON MDL 4500 / 4600

PRESSURE RELIEF VALVE
 (ADJUST TO 2800 PSI)

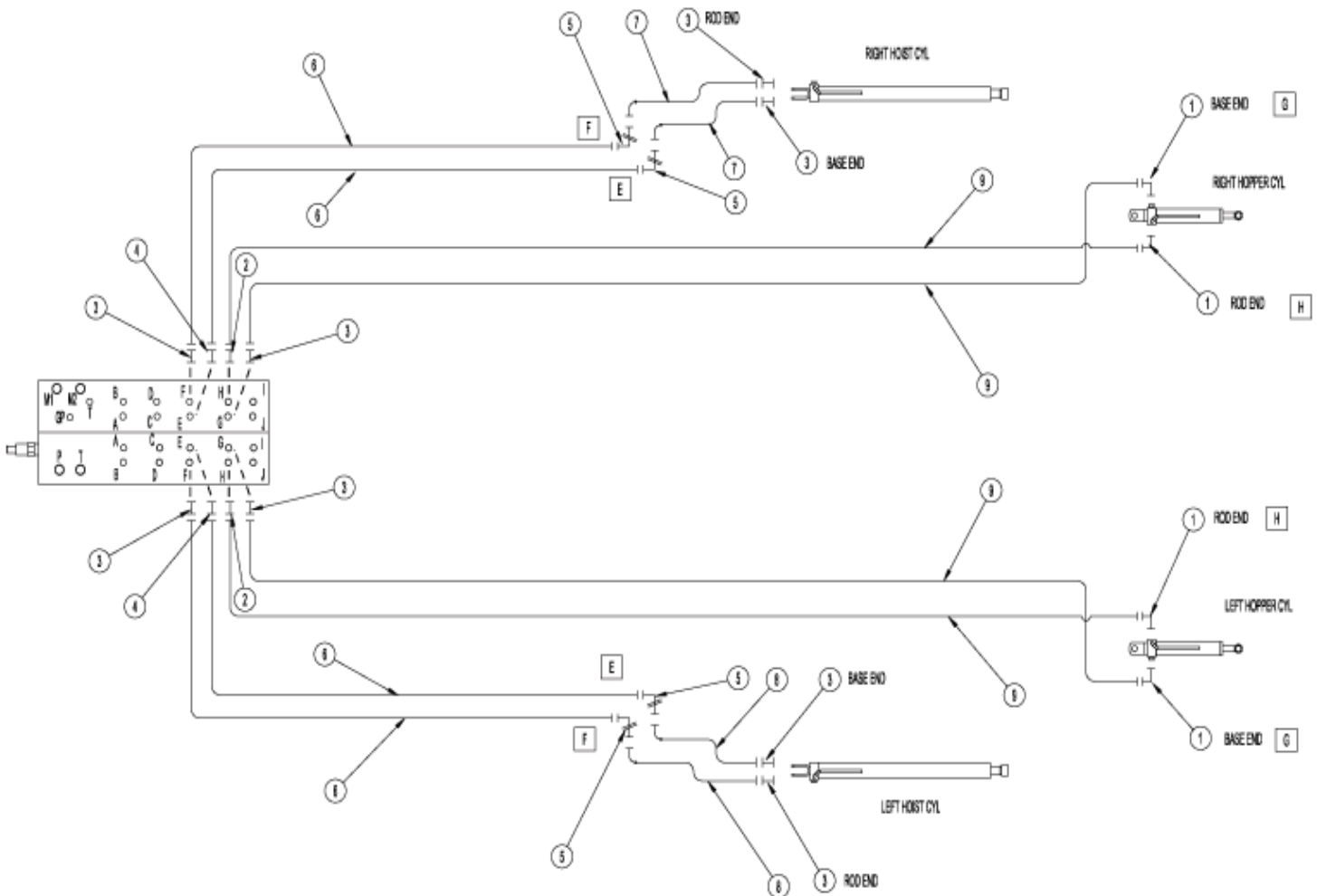
GROUND DUMP (4500) HYDRAULICS DIAGRAM

Item	Qty	Part ID	Description
1	4	P261350	FITTING: 6MJ 6MB 90 ELBOW
2	2	P276103	FITTING: 6MJ 6MB W/.062 ORIFACE
3	2	P276101	FITTING: 6MJ 6MB
4	4	P270906	FITTING: 6MB PLUG
5	4	P283180	HOSE: 6 X 180" 6FJ 6FJ



HIGH LIFT (4500XL) HYDRAULICS DIAGRAM

Item	Qty	Part ID	Description
1	4	P261350	FITTING: 6MJ 6MB 90 ELBOW
2	2	P276103	FITTING: 6MJ 6MB W/.062 ORIFACE
3	8	P276101	FITTING: 6MJ 6MB
4	2	P276104	FITTING: 6MJ 6MB W/.110 ORIFACE
5	4	P265410	FITTING: 6MJ 6MJ BULKHEAD 90 ELBOW
6	4	P283119	HOSE: 6 X 119" 6FJ 6FJ
7	2	P283518	HOSE: 6 X 18" 6FJ 6FJ90
8	2	P283026	HOSE: 6 X 26" 6FJ 6FJ90
9	4	P283250	HOSE: 6 X 250" 6FJ 6FJ



WHEEL ASSEMBLY AND GROOMER REFERENCE

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	450080	GROOMER BACKING BAR
2	1	450087	GROOMER BAR WLD
3	1	450089	MT, REAR SHAFT
4	2	450183	BUSHING, GROOMER TENSION
5	2	450184	WHEEL ASM: 36 X 13.5-15
6	1	450243	SHAFT, REAR CONV ASM
7	1	450244	AXLE WELDMENT 4500B
8	1	450248	MAIN FRAME, 4500B
9	1	450278	COMB, GROOMER RIGHT 4500
10	1	450279	COMB, GROOMER LEFT 4500
11	1	CP0013	PIN, CLEVIS MOD 1/2 X 3
12	1	M5462	3/16 X 1/2 ID X 2-1/4 OD WASHER
13*	1	P003175	BEARING, IPTCI UCFCX09-28 FLANGE*
14	2	P099012	5/8-11 X 3 FULL THD HEX BOLT
15	10	P100505	5/16-18 X 1-1/4" HEX BOLT
16	1	P100604	BOLT: HEX, 3/8" NC X 1" GR5
17	1	P100804	1/2-13 X 1" HEX BOLT
18	5	P100807	1/2-13 X 1-3/4" HEX BOLT
19	5	P100809	1/2-13 X 2-1/4 HEX BOLT
20	1	P100815	BOLT: HEX, 1/2-13 NC X 3 3/4" GR.5
21	3	P104806	BOLT: CARRIAGE, 1/2" X 1-1/2" GR5
22	2	P121200	BENT HITCH PIN 3/4" X 3-1/2"
23	10	P155350	NUT: HEX, 5/16 TOP-LOCK
24	1	P155800	5/8-11 HEX JAM NUT
25	11	P155850	NUT: HEX, 1/2" TOP-LOCK
26	1	P259160	CYLINDER: 1-1/2B X 4S W/CAV CH
27	2	P297625	GROMMET: 5/8 BORE
28	1	P353600	MOTOR: 4000 COMPACT 169-0133-001
29	1	P622604	PIN, LYNCH 3/16 X 1-1/4
30	2	P764400	HUB ASSY, 8 BOLT
31	2	P764404	SEAL, GREASE 2 ID 3.62 OD
32	10	P850106	3/8" FLAT WASHER
33	7	P851108	1/2" LOCK WASHER
34	1	P851606	3/8" HEAVY WASHER
35	4	P852608	1/2" HARD WASHER
36	2	P855525	BUSHING: MACH 18GA X 1-3/4

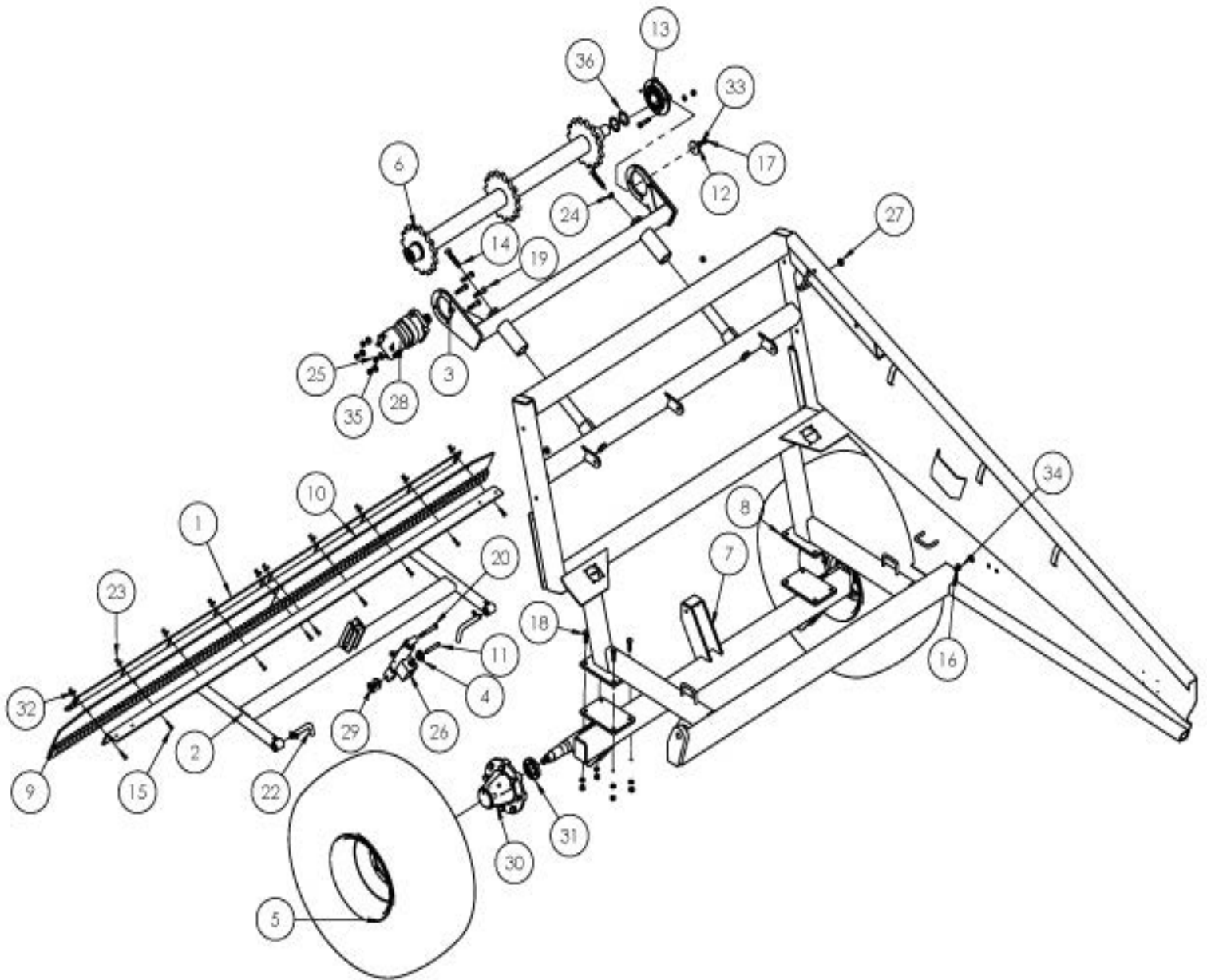
*P003175 BEARING REPLACED BY 71.P003115 BEARING 1-3/4 4 BOLT PILO

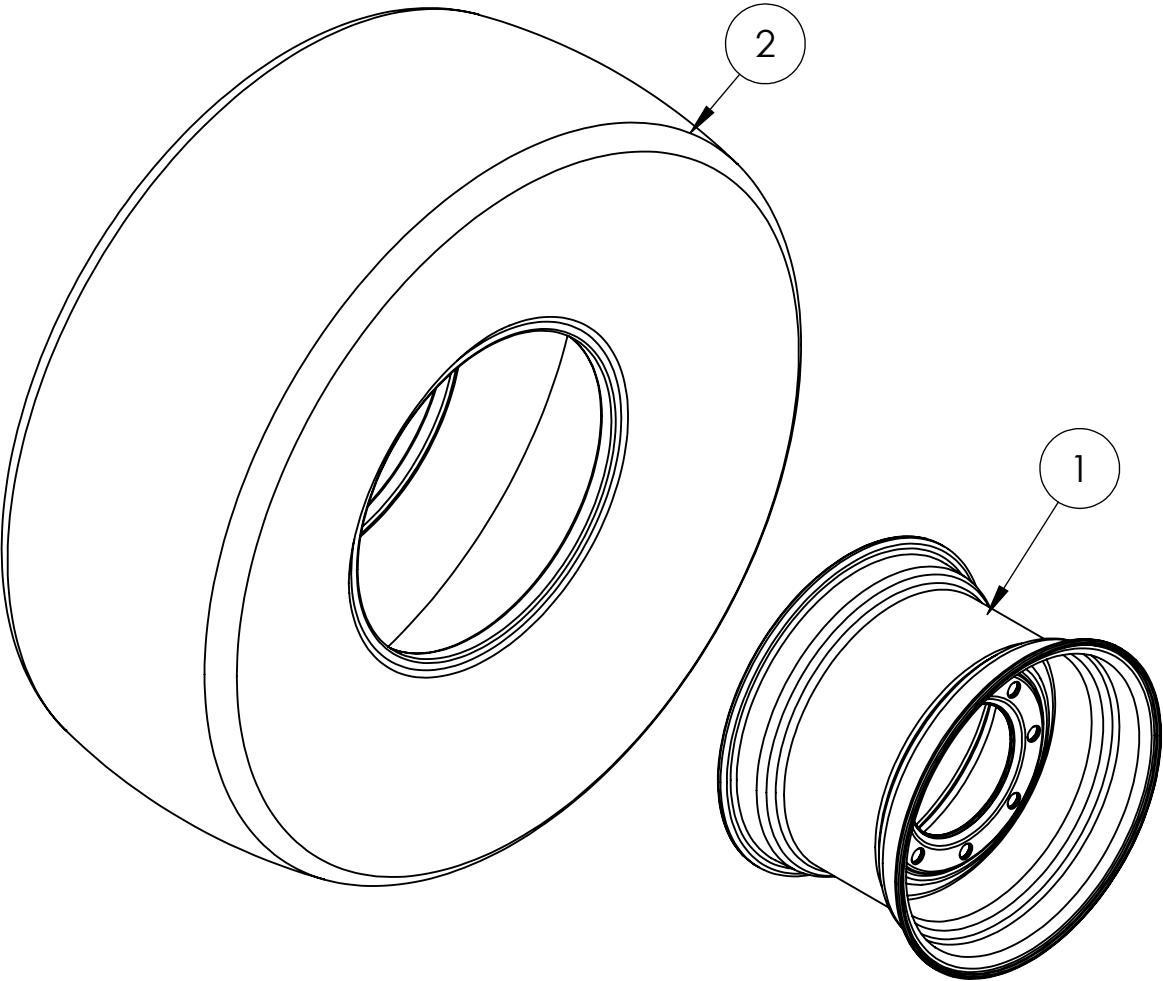
*71.P353610 SEAL KIT USED ON #28 CONVEYOR MOTOR P353600

*Note conveyor chain / flights / shafts may have been converted to #100 type #100 converted units will have QTY 2 conveyor chain

For replacement #100 items see information in section #8 -#100 conversion items

WHEEL ASSEMBLY AND GROOMER DIAGRAM





P/N: 450184 REAR TIRE ASSEMBLY

2	1	P763952	TIRE: 36 X 13.50-15
1	1	P763951	RIM: 15 X 10 X 8
ITEM	QTY.	PART NUMBER	DESCRIPTION

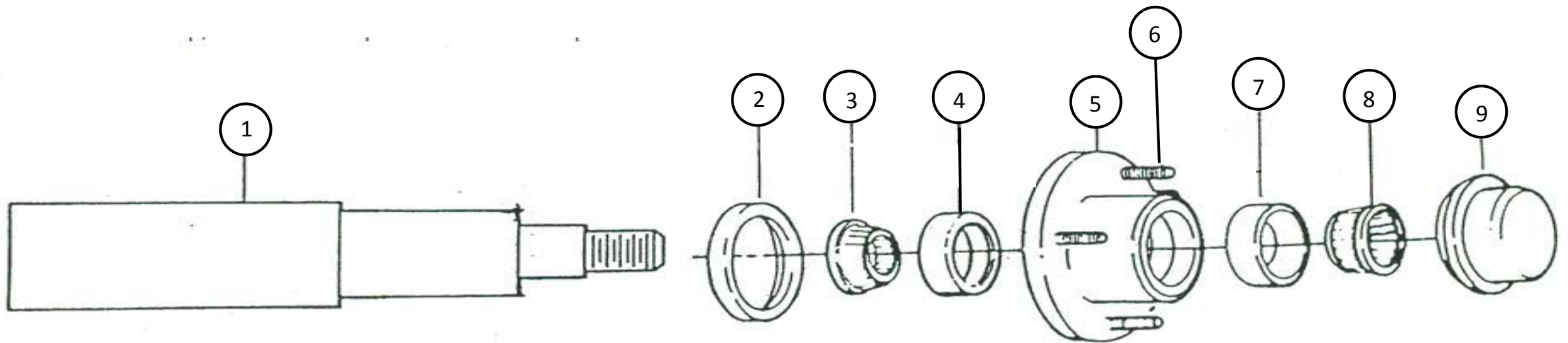


P.O. BOX 2135
JAMESTOWN, ND 58402

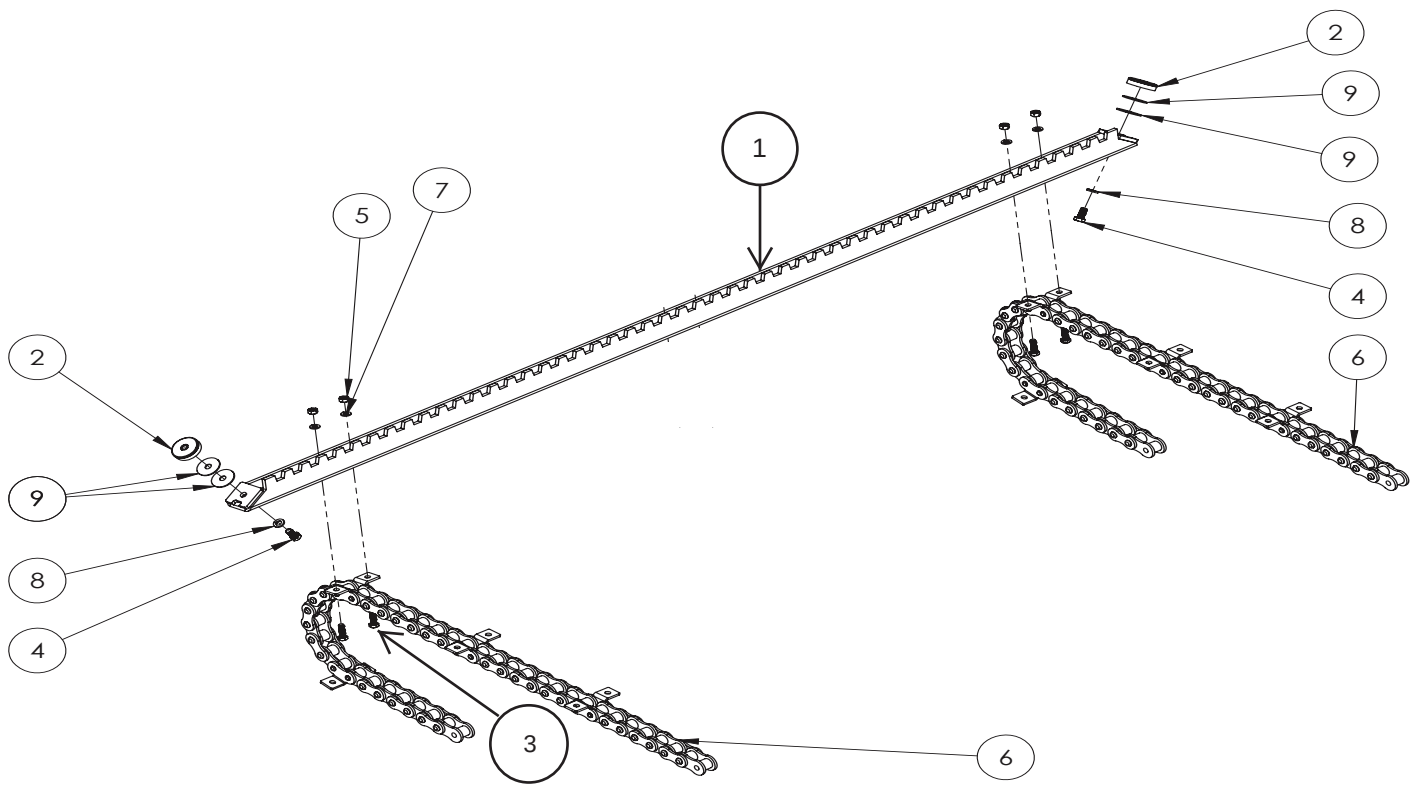
DRAWN BY LEM	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHERRINGTON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHERRINGTON IS PROHIBITED.	UNLESS OTHERWISE NOTED		
DATE 2-20-09		TOLERANCES ON DECIMALS FRACTIONS ANGLES		
DO NOT SCALE		.XX±.060 ±1/32 ±1° .XXX±.030		
TITLE WHEEL ASM: 36 X 13.5-15		PART NO. 450184		

Rear hub assembly 4500

- 1) 71.P765300 Spindle 2.12
- 2) 71.P764404 Seal
- 3) 71.P764408 Bearing 1.796 ID / bore
- 4) 71.P764403 Race
- 5) 71.P764405 Bare hub only
- * 71.P764400 Complete hub – contains items #3, 4, 5, 7, 8
- 6) 71.P764406 Wheel bolt 9/16 x 1-3/4
- 7) 71.P764402 Race
- 8) 71.P764407 Bearing 1.375 ID / bore
- 9) 71.P764401 Dust cap



#100 CONVEYOR CHAIN AND FLIGHT SCHEMATIC

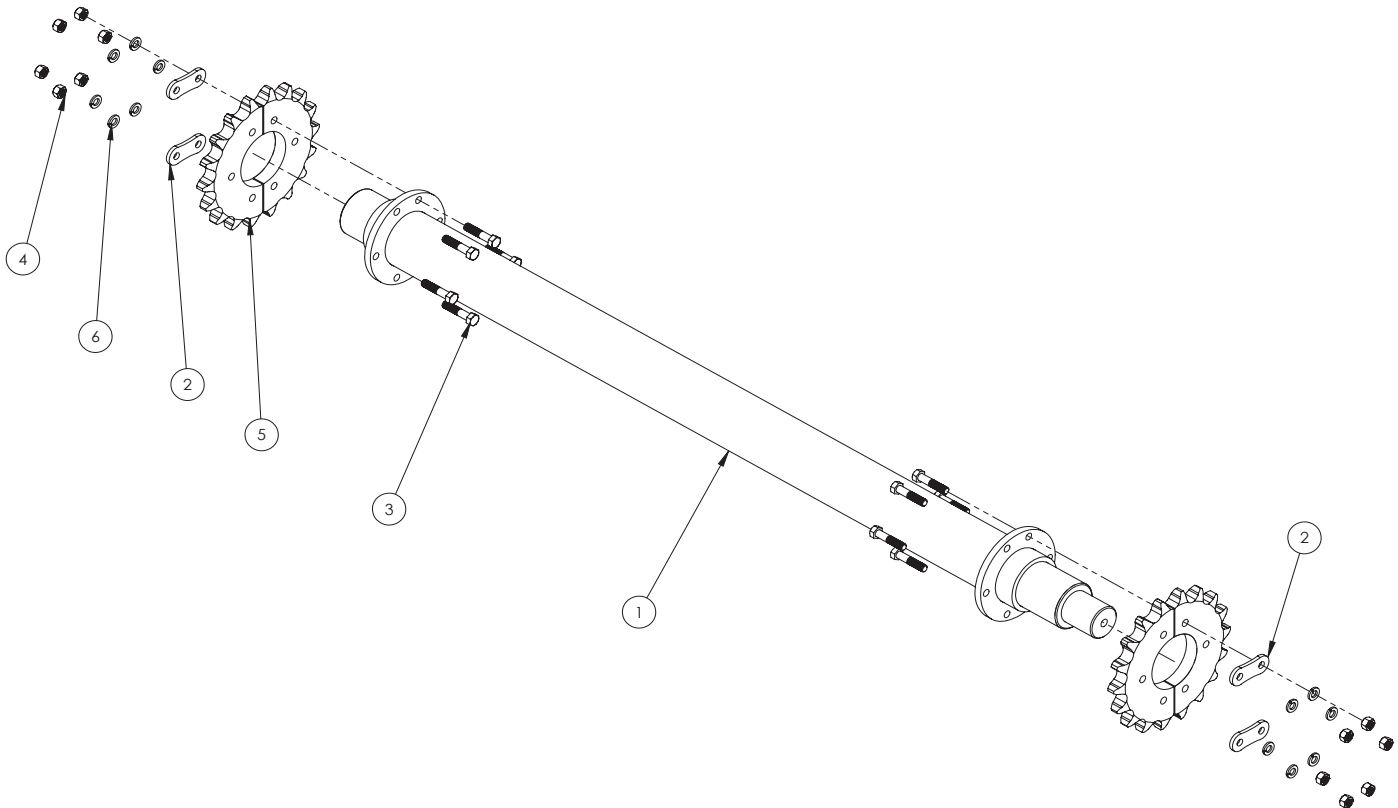


ITEM	QTY	PART NO	DESCRIPTION
1	27	450352	WLDT: FLIGHT BLADE 4500/5500, 2.12
2	54	470130	FLIGHT PUCK
3	108	P100504	BOLT: HEX, 5/16" NC X 1" GR5
4	54	P100603	BOLT: HEX, 3/8"NC X 3/4" GR5
5	108	P155350	NUT: HEX, 5/16 TOP-LOCK
6	2	P632140	CHAIN: 100K1 x 219 P ARMOR
6A	REF	P632143	LINK: KI CONNECTOR
7	108	P851105	WASHER: LOCK 5/16"
8	54	P851106	WASHER: LOCK 3/8" ZP
9	108	P852015	WASHER: FLAT 3/8" FENDER

CHAIN REPAIR ITEMS:

71.P632143 #100 K1 ATTACHMENT LINK
 71.P632142 MASTER CONNECTING LINK
 71.P632141 1/2 LINK (OFFSET)

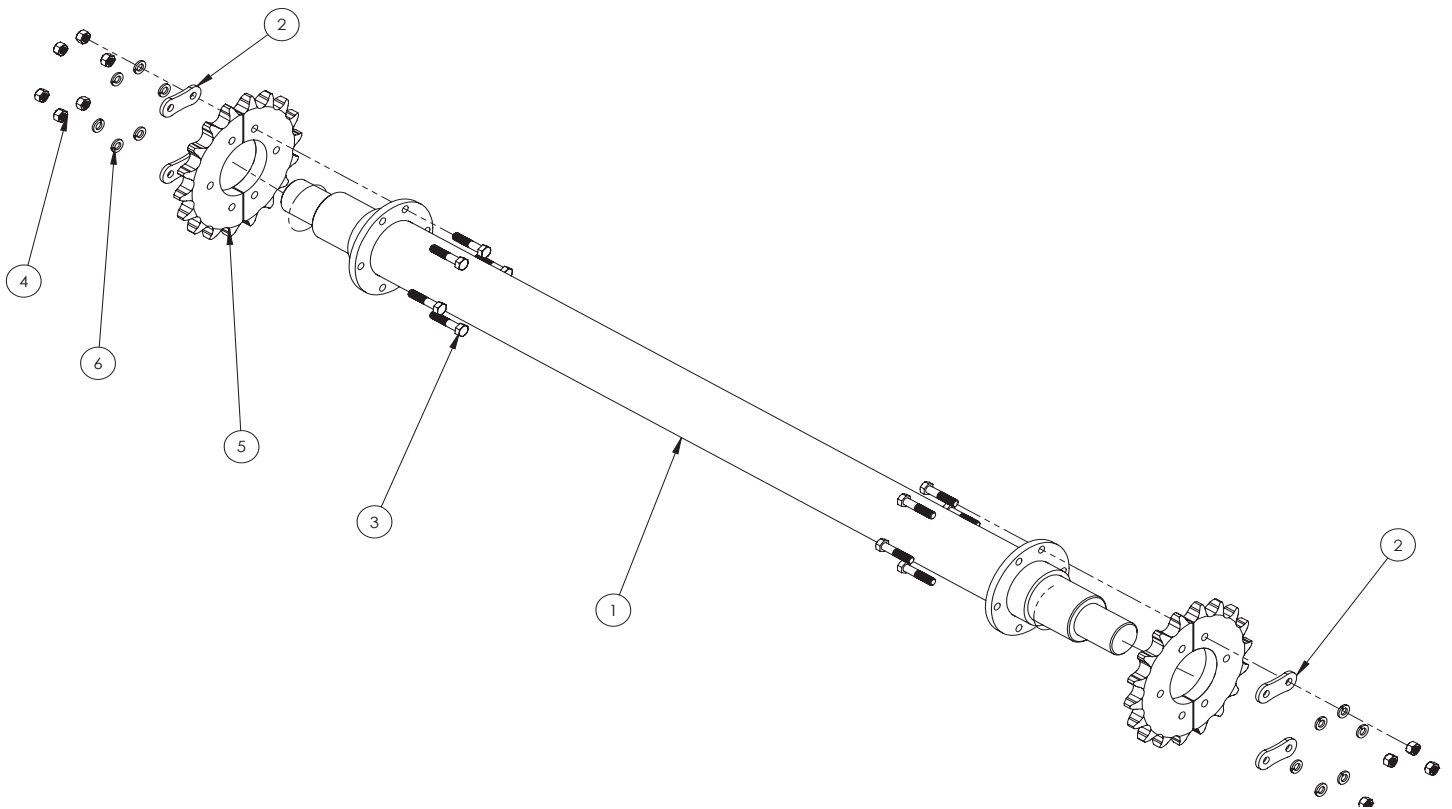
#100 CONVEYOR CHAIN REAR SHAFT ASSEMBLY



<u>ITEM</u>	<u>QTY.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	1	550472	WLDT: SHAFT REAR SPLIT MT
2	4	CP0055	PALTE: SPLIT SPKT TIE
3	12	P100607	BOLT: HEX 3/8-16 X 1-3/4"
4	12	P155450	NUT: HEX 3/8"-16NC TOP-LOCK ZP
5	2	P691218	SPROCKET; #100A18 SPLIT
6	12	P851106	WASHER: LOCK 3/8" ZP

71.550474 COMPLETE REAR SHAFT ASSEMBLY * CONTAINS ITEMS #1 - #6

#100 CONVEYOR CHAIN FRONT SHAFT ASSEMBLY



<u>ITEM</u>	<u>QTY.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	1	550473	WLDT: SHAFT FRONT SPLIT MT
2	4	CP0055	PALTE: SPLIT SPKT TIE
3	12	P100607	BOLT: HEX 3/8-16 X 1-3/4"
4	12	P155450	NUT: HEX 3/8"-16NC TOP-LOCK ZP
5	2	P691218	SPROCKET; #100A18 SPLIT
6	12	P851106	WASHER: LOCK 3/8" ZP

71.550475 COMPLETE FRONT SHAFT ASSEMBLY *CONTAINS ITEMS #1 - #6

SHIELDS REFERENCE

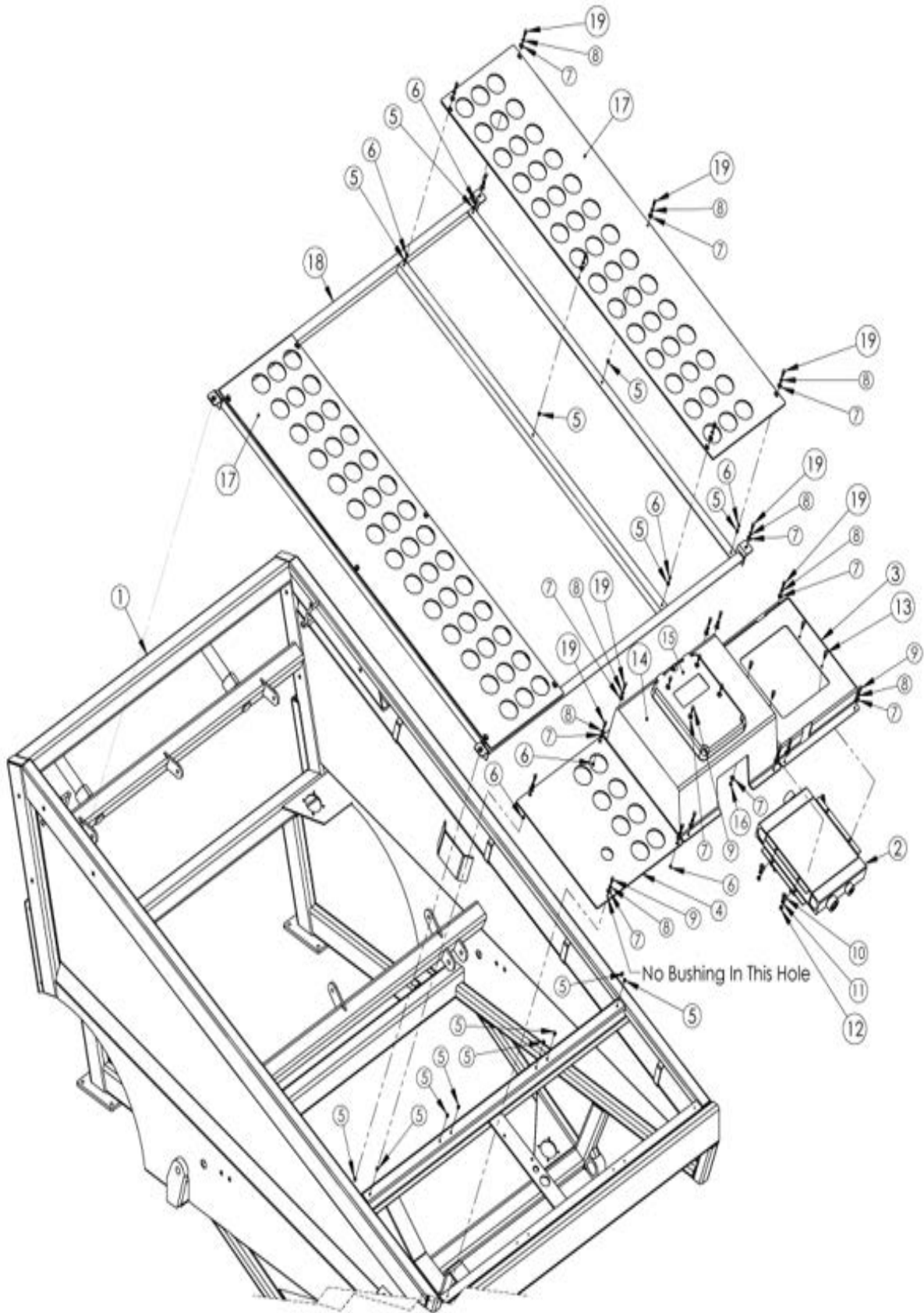
<u>ITEM NO.</u>	<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	450088	FRAME, CONVEYOR COVER
2	1	450181	SHIELD: CONV RIGHT FRONT 4500
3	1	450248	MAIN FRAME, 4500B
4	1	450249	COOLER MT
5	1	470225	SHIELD, VALVE COVER
6	2	470228	SHIELD, CONVEYOR
7	12	P100403	1/4-20 X 3/4" HEX BOLT
8	20	P100404	1/4-20 X 1" HEX BOLT
9	4	P100504	5/16-18 X 1.0" HEX BOLT
10	1	P117300	COOLER, HYD OIL AKG DC16-12
11	11	P126900	METAL BRONZE BEARING 1/4 X 3/8
12	4	P155250	1/4-20 TOP LOCK NUT
13	4	P155350	5/16-18 TOP LOCK NUT
14	20	P160251	NUT, 1/4-20 KLIK NUT .08-.14
15	36	P850104	1/4" FLAT WASHER
16	4	P850105	5/16" FLAT WASHER
17	28	P851104	1/4" LOCK WASHER
18	8	P851105	5/16" LOCK WASHER
19	1	P999000	BOX, OWNERS MANUAL

*NOT PICTURED

71.P117310 HYD COOLING FAN ONLY

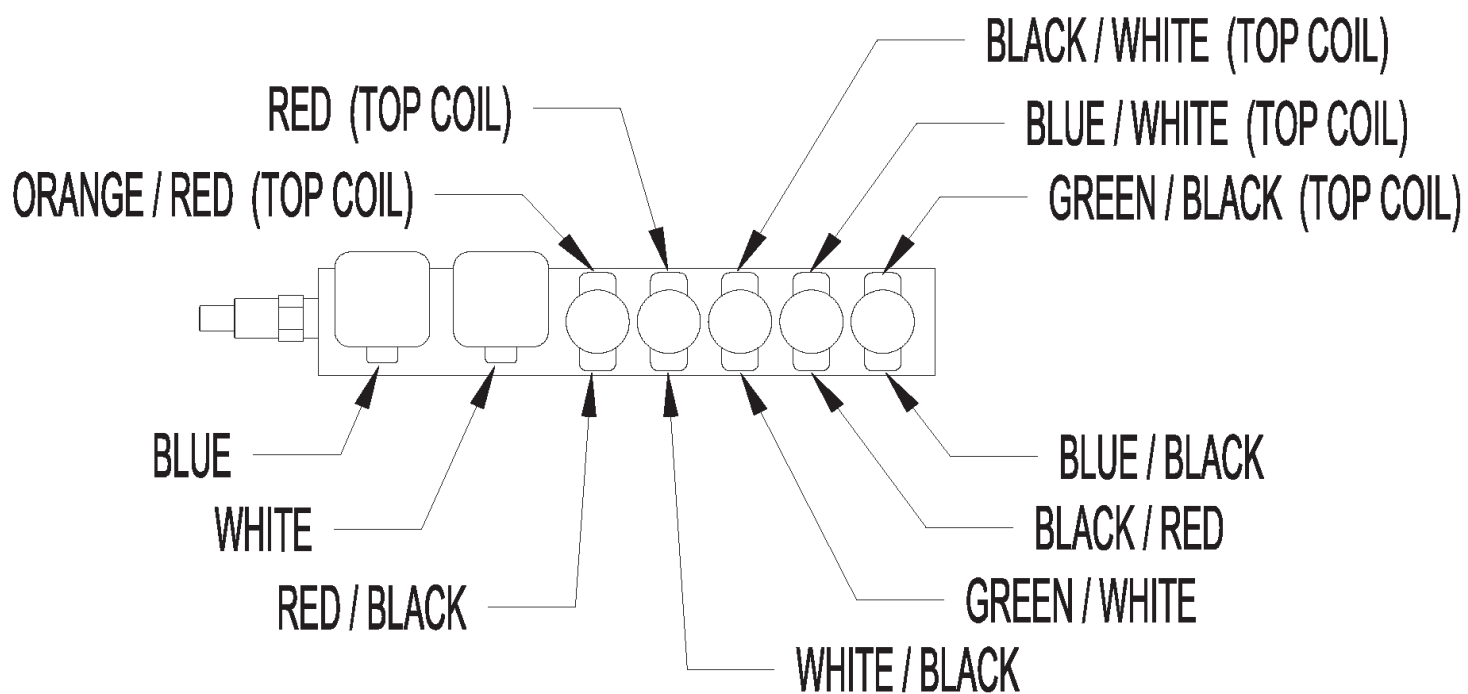


SHIELDS DIAGRAM

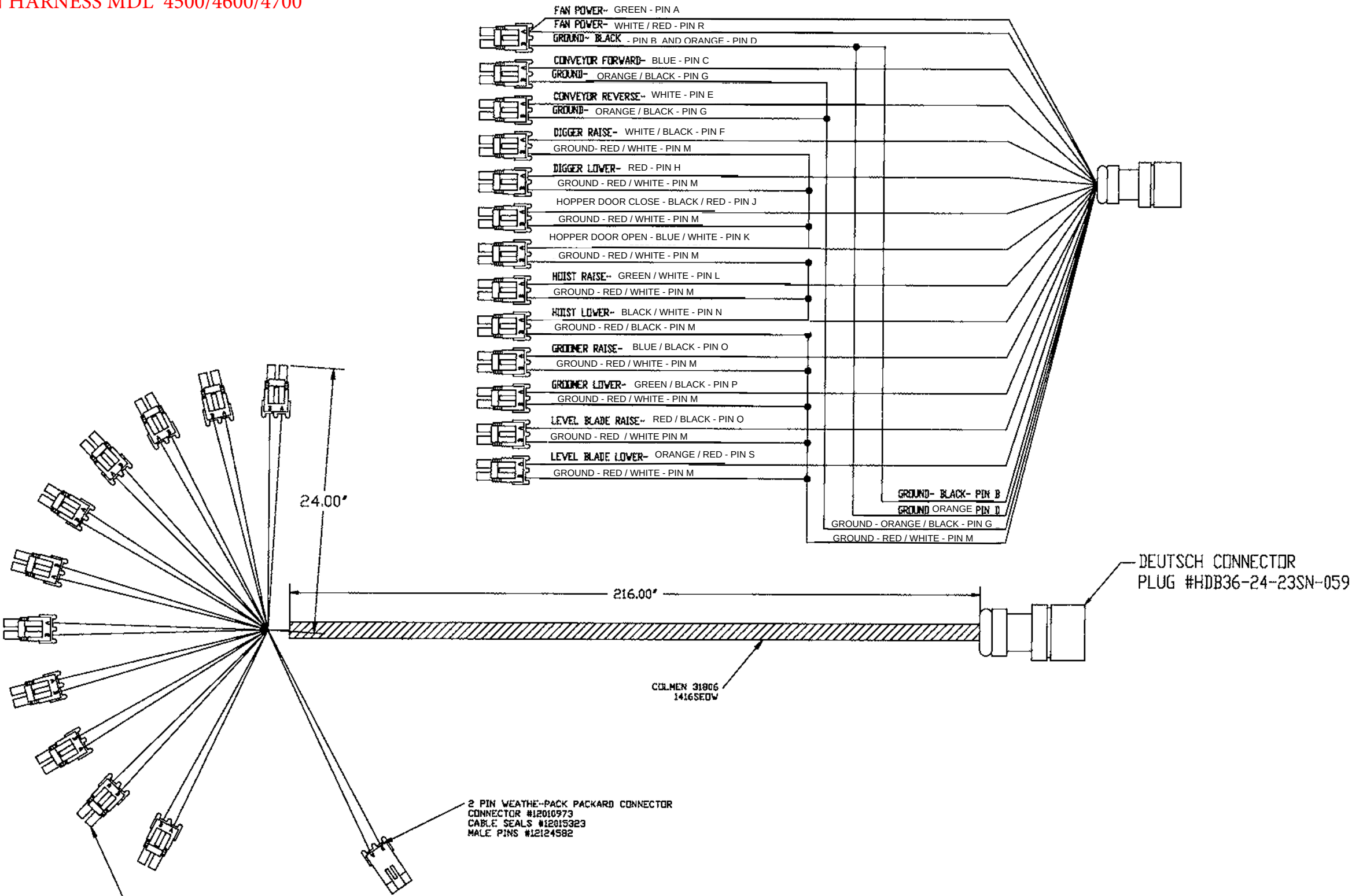


MANIFOLD WIRING DIAGRAM

MANIFOLD WIRING CONNECTIONS



CBC P/N: P292100 (EARLY VERSION)
MAIN HARNESS MDL 4500/4600/4700



A	JJF	10/25/07	ECN1730
X5	JRF	9/20/07	N/A
X4	JRF	9/10/07	N/A
3	JRF	5/20/05	N/A
2	JRF	12/17/04	N/A
1	JRF	12/16/04	N/A
REV.	BY	DATE	ECN

2 PIN DELPHI PACKARD 150 SERIES CONNECTOR
12 PLACES
CONNECTOR #12052641
CABLE SEALS #12048086
PINS #12048074
TPA #12052634

2 PIN WEATHER-PACK PACKARD CONNECTOR
CONNECTOR #12010973
CABLE SEALS #12015323
MALE PINS #12124582



Power Systems
Div. of H.E.B. Inc.
8325 Commerce Drive
Chanhassen, MN
55317

DWG
C
SIZE

TITLE
WIRE HARNESS ASSEMBLY

DRAWN
BY
JRF

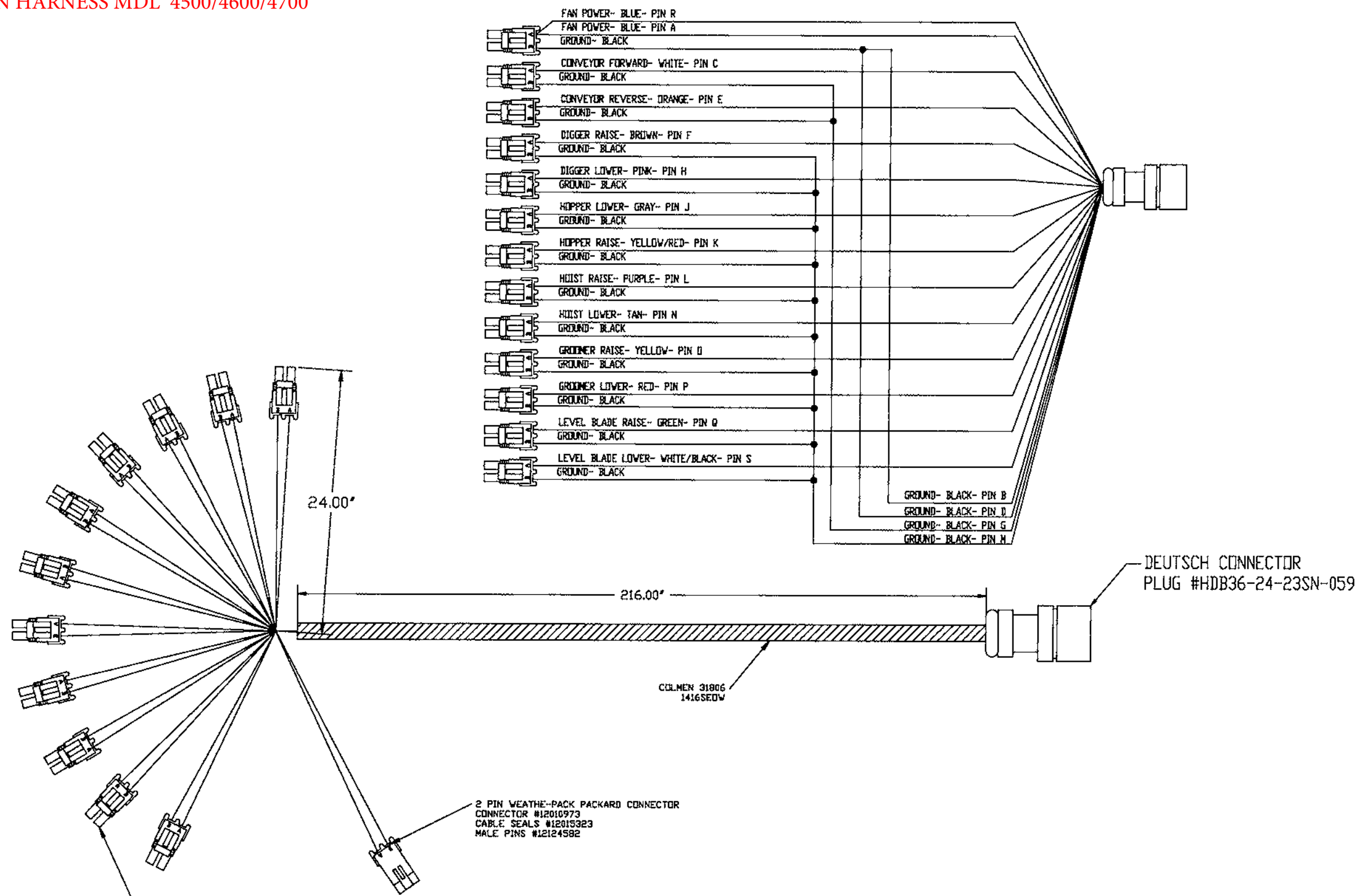
DATE
11/5/04

PAGE
1 OF 1

DRAWING NO.
EA1067-W1

REV.
A

CBC P/N: P292100 (LATER VERSION)
MAIN HARNESS MDL 4500/4600/4700



A	JJF	10/25/07	ECN1730
X5	JRF	9/20/07	N/A
X4	JRF	9/10/07	N/A
3	JRF	5/20/05	N/A
2	JRF	12/17/04	N/A
1	JRF	12/16/04	N/A
REV.	BY	DATE	ECN

2 PIN DELPHI PACKARD 150 SERIES CONNECTOR
12 PLACES
CONNECTOR #12052641
CABLE SEALS #12048086
PINS #12048074
TPA #12052634



Power Systems
Div. of H.E.B. Inc.
5325 Commerce Drive
Chanhassen, MN
55317

DWG
C
SIZE

TITLE
WIRE HARNESS ASSEMBLY

DRAWN
BY
JRF

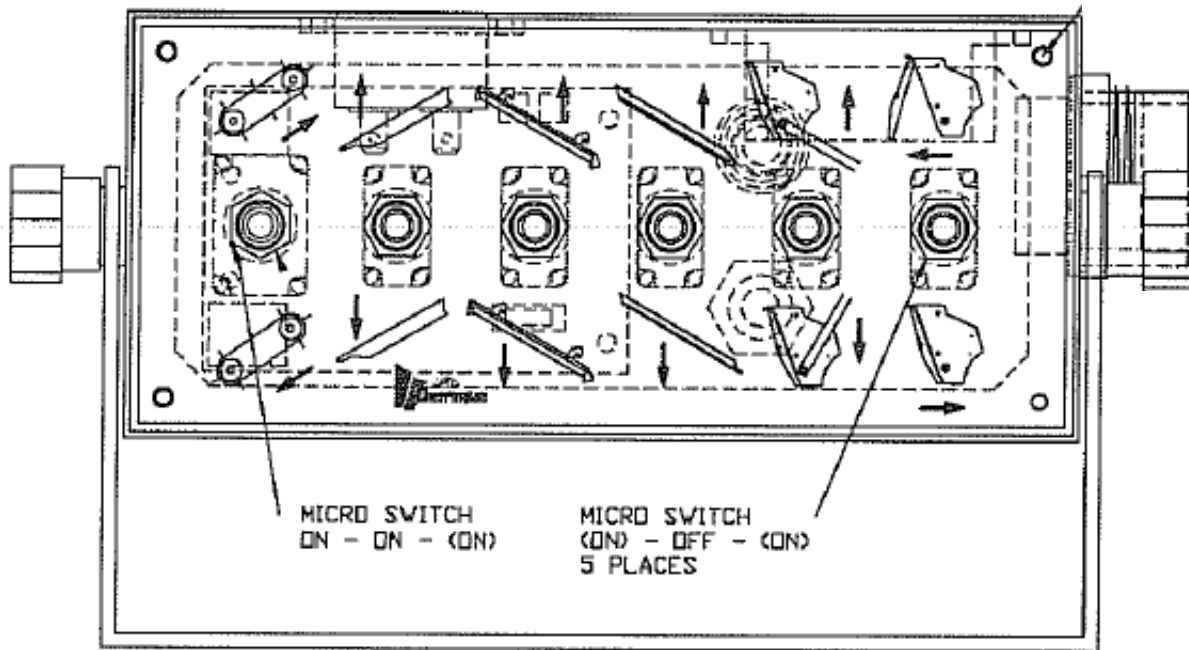
DATE
11/5/04

PAGE
1 OF 1

DRAWING NO.
EA1067-W1

REV.
A

CONTROL BOX - WIRING HARNESS



<u>QTY.</u>	<u>P/N</u>	<u>DESCRIPTION</u>
1	P292050	CONTROL BOX
1	P298180	CONVEYOR FWD. / REV. CONTROL SWITCH
5	P295009	FUNCTION CONTROL SWITCH
1	P295084	20 AMP GLASS FUSE *NOT SHOWN
1	470317	12 VOLT POWER SUPPLY CABLE *NOT SHOWN
1	P292100	MAIN WIRING HARNESS *NOT SHOWN

ROLLER ASSY REFERENCE

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	450219	FRAME, DUAL ROLLER, 4500
2	2	450222	MOTOR HSG, WELD
3	1	450229	ROLLER WELD, DUAL DRIVE
4	2	450230	MOTOR, HYD MODIFIED 2000
5	1	450238	PLATE, -10 BULK FITTING
6	2	P100604	3/8-16 X 1.0" HEX BOLT
7	2	P100809	1/2-13 X 2-1/4 HEX BOLT
8	8	P101006	BOLT: HEX, 5/8-11 NC X 1-1/2
9	2	P155850	NUT HEX, 1/2-13 TOP LOCK
10	2	P265705	FITTING: 10MJ BULK-10MJ-10MJ, TEE
11	2	P272661	COUPLER: NV12-58SAE-M
12	4	P276200	10MB-10MJ ADAPTER
13	2	P284044	HOSE: 451ST -8 X 44" 10FJX-10FJX
14	2	P284052	HOSE: 451ST -8 X 52" 10FJX-10FJX
15	2	P285120	HOSE: 451ST -10 X 120" 10MB-10FJX
16	2	P851106	3/8" LOCK WASHER
17	2	P851108	1/2" LOCK WASHER
18	8	P851110	5/8" LOCK WASHER

COMPLETE POWER ROLLER ASSEMBLY P/N: 71.450231

ROLLER ASSY DIAGRAM

