



BROUWER 4000 SOD HARVESTER



PARTS LIST

Provisional



Kesmac Inc.

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KESMAC INC.
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STATEMENT OF LIMITED WARRANTY

Brouwer Kesmac warrants its full line of equipment to be free from defects in material and factory workmanship for a period of 12 months. This warranty begins on the date of sale or use of the equipment to the original purchaser. This statement does not extend or limit engine, tractor or component warranties in which the engine, tractor or component manufacturers may carry extended time periods up to 24 months. Engine, tractor or component warranty claims will be subject to the engine, tractor or components manufacturer's approval.

Replacement Parts carry a 90 day replacement warranty and are reimbursed to the dealer. All electrical and hydraulic parts are limited by this policy and will only be covered upon approval by the service department after inspection of the part. The installation and removal of a part will automatically place that part under the replacement parts warranty.

This warranty is limited exclusively to equipment or accessories manufactured or supplied by **Brouwer Kesmac** and are subject to the inspection and analysis by the company to conclusively identify the nature and cause of failure.

PRODUCT REGISTRATION FORM must be completely filled out, signed by the customer at the original date of installation, and returned to **Brouwer Kesmac** before any claims will be considered.

Brouwer Kesmac reserves the right to incorporate improvements in material and design of its products without notice and is not obligated to make the same improvements to equipment previously manufactured.

Brouwer Kesmac is not obliged under any warranty policy different from the Kesmac Brouwer Turf warranty policy as published above.

BROUWER KESMAC RESPONSIBILITIES

Brouwer Kesmac's obligation under the terms of this warranty is limited to the repair, replacement or credit, at its option, of the equipment, parts or supply items that conform to its warranty.

DEALER'S RESPONSIBILITIES

1. Only factory-trained service or approved personnel will be permitted to perform warranty service on **Brouwer Kesmac** equipment.
2. All major warranty claims exceeding \$650.00 (in total including parts and labour) must be authorized by **Brouwer Kesmac** before work is performed.
3. All replacement parts used in warranty situations must be furnished by **Brouwer Kesmac** or approved by **Brouwer Kesmac** personnel. The use of non-recommended oil could nullify warranty.

OWNERS RESPONSIBILITIES

The owner is obligated to operate and maintain the equipment in accordance with the recommendations published by **Brouwer Kesmac** in the owners/operators manual for the unit. The owner is responsible for the costs associated with such maintenance and operating adjustments that may be required on a regularly scheduled basis. Where applicable the owner is responsible for transportation to and from the dealership or service calls made by the dealer.

CONDITIONS THAT VOID WARRANTY

This warranty shall not apply to equipment which:

- 1. Has had repairs or modifications not authorized by **Brouwer Kesmac**
- 2. Has been subject to abuse, improper maintenance, or improper application.
- 3. Has been modified from original equipment specifications.

WARRANTY EXCEPTIONS

This warranty does not apply to the following items:

- 1. Wear items including blades, cutting edges, cutting arms, spark plugs, belts, filters, bearings, sprockets, chains, tires, light bulbs, lubricants and fluids etc. Cost of normal maintenance including replacement of service items.
- 2. Damages to engine/drive systems caused by lack of/ or improper lubricants and/or fluids.
- 3. Damages arising from accident, misuse or neglect.
- 4. Damages to engine/drive systems caused by improper operation and/or maintenance.
- 5. **Brouwer Kesmac** will not be liable for any incidental or consequential damage or injuries, including but not limited to loss of profits, loss of crops, rental of substitute equipment, or other commercial loss or for damage to the equipment in which the Company Product is installed.

FREIGHT CARRIER DAMAGE

Claims for equipment damaged in transit should be referred to the freight carrier. Visible damage should be reported immediately and concealed damage as soon as possible, in accordance with freight carrier regulations.

**BROUWER
4000 SOD HARVESTER**

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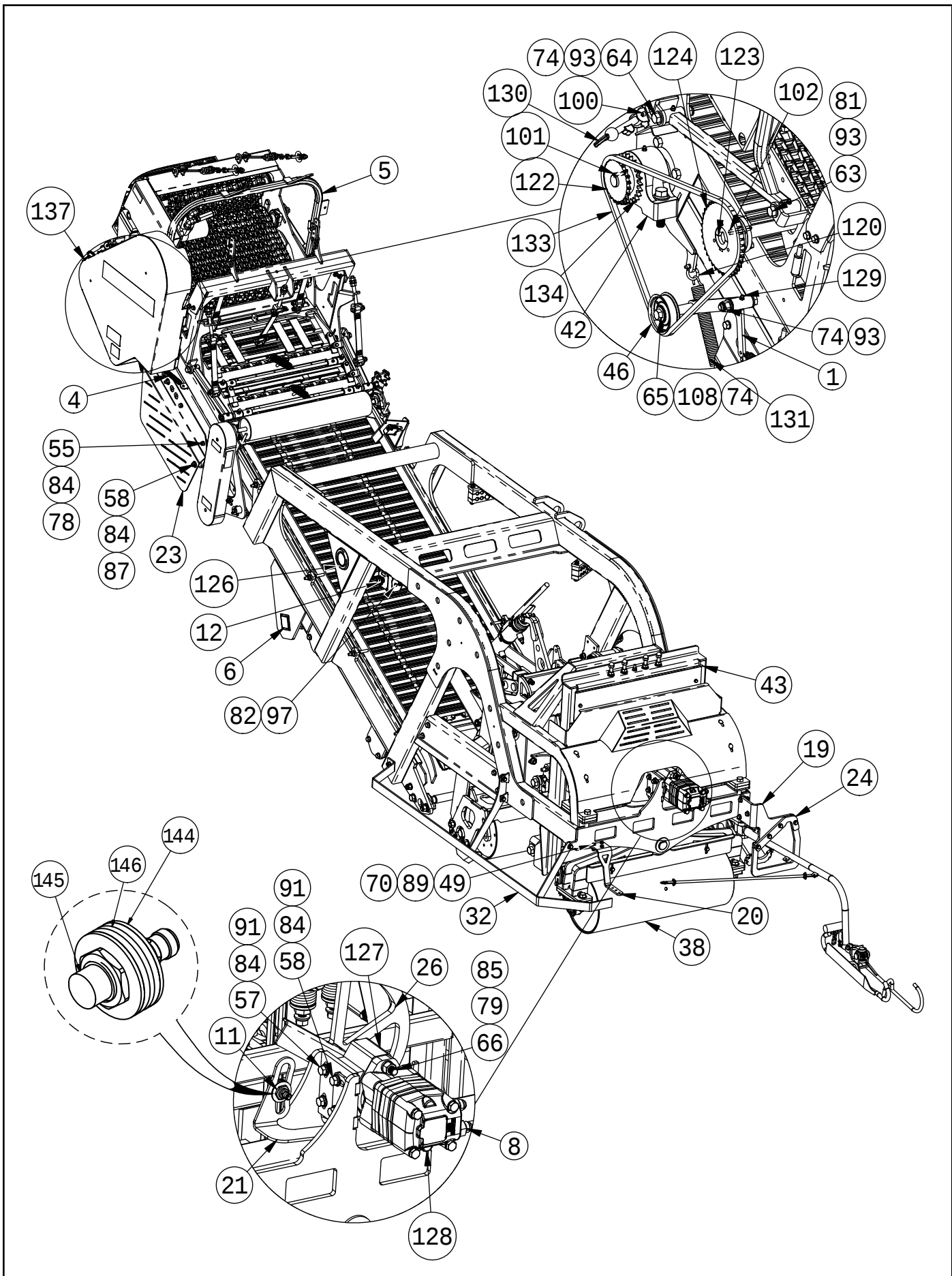
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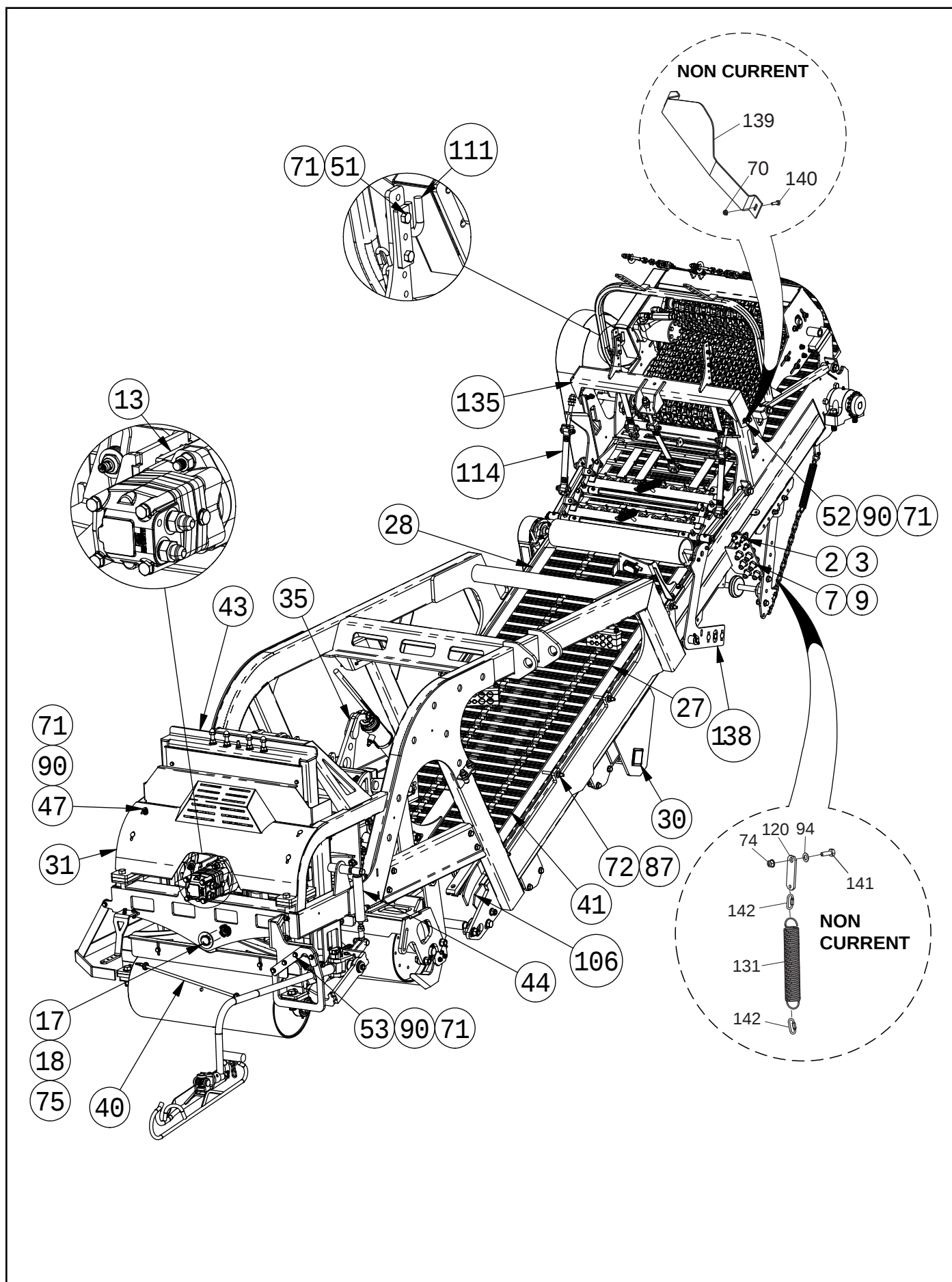
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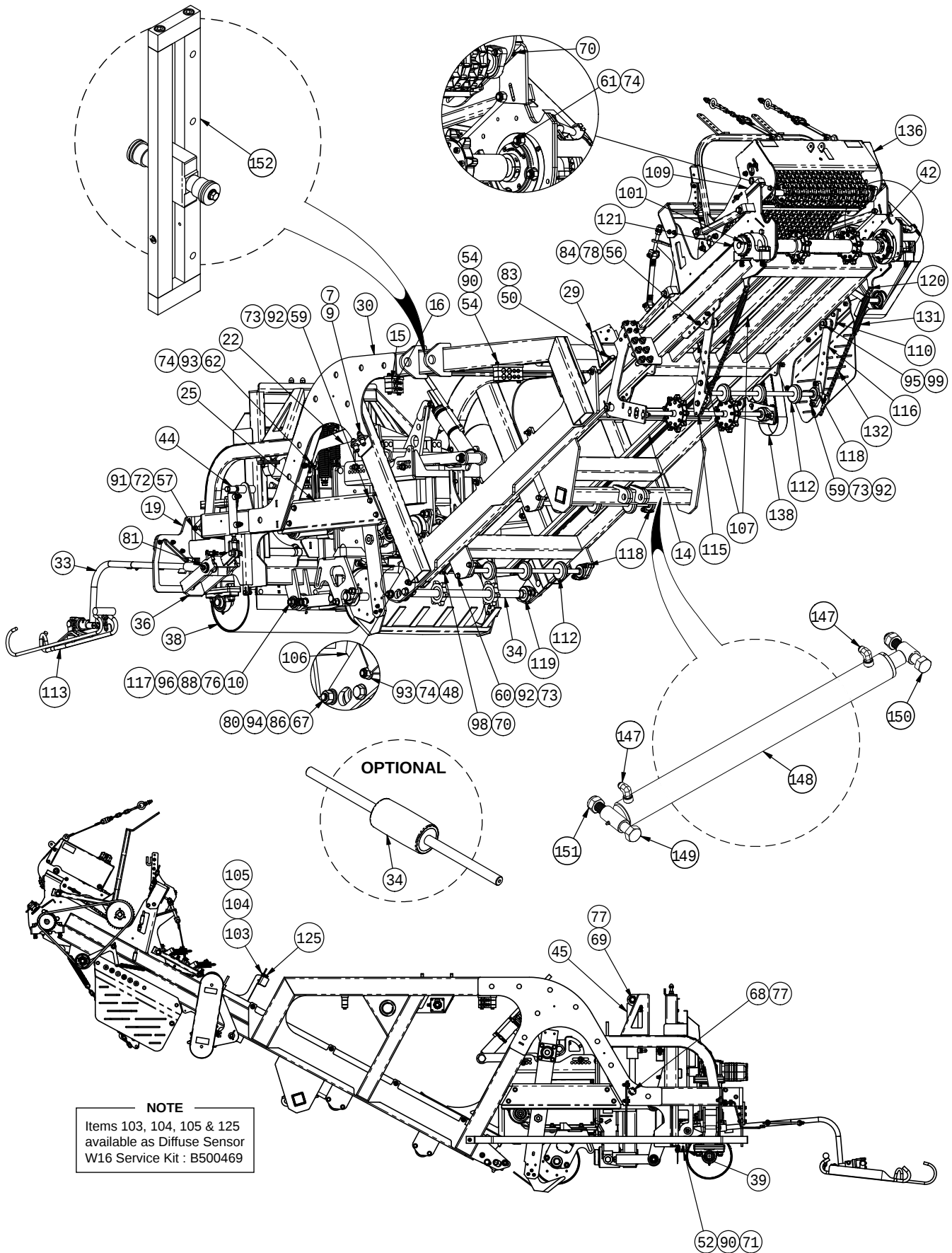
Brouwer 4000 Sod Harvester Conveyor Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	001375	1	ROLL UP DRIVE IDLER ARM WELDMENT
2	4-070118	4	FITTING #4 BULKHEAD NUT
3	4-4-070601	4	FITTING 1/4 BULKHEAD UNION
4	41047	1	EXTENSION SPRING 0.0765 WIRE x 6.813
5	4129625	1	ROLLUP TRAY REINF.
	R300034	1	ROLLUP TRAY REINF. 16/18 IN.
6	4134550	2	CAPPLUGS 2 X 2
7	8-070118	8	FITTING - #8 BULKHEAD NUT
8	8-10-070120	2	FITTING - STRAIGHT THREAD O-RING - SAE 37° FLARE
9	8-8-070601	8	FITTING - #8 BULKHEAD STRAIGHT JIC
10	A101179	4	HEAD LINKAGE BOLT
11	A500229	1	PROXIMITY SENSOR LONG RANGE 18 MM ASSEMBLY
12	A500299	1	E-STOP BOX ASSEMBLY
13	B100318	1	OHLA SPACER PLATE
14	B100757	2	MAIN CONVEYOR SLIDER
15	B100801	4	CONVEYOR HOSE CLAMP OUTER
16	B100802	2	CONVEYOR HOSE CLAMP CENTRE
17	B100911	1	FRONT ROLLER PIVOT PIN
18	B100914	1	PIN CAP PIVOTING ROLLER
19	B100917	1	SKI CONSTRA NT BRACKET
20	B100921	1	SKI TENSION BAR
21	B100976	1	CUT OFF CAM PROXIMITY BRACKET
22	B100999	1	HEAD GUIDE PLATE 24 IN.
	B100997	1	HEAD GUIDE PLATE 16 IN.
23	B101142	1	CONVEYOR SIDE SHIELD
24	B101243	1	SKI ARM WEAR BAR
25	B101523	2	CONVEYOR FRAME BRACE STRUT
26	B300047	1	CAM WELDMENT
27	B300089	1	SOD GUIDE 24 IN. LH
	B300119	1	SOD GUIDE WELDMENT 16 IN. LH
28	B300090	1	SOD GUIDE 24 IN. RH
	B300120	1	SOD GUIDE WELDMENT 16 IN.
29	B300092	1	DIFFUSE SENSOR MOUNTING BRACKET WELDMENT
30	B300104	1	24 IN. PIVOTING HEAD WELDMENT
	B300103	1	CONVEYOR WELDMENT 16 IN.
31	B300124	1	CAM AND CUT OFF GUARD 24 IN.
	B300123	1	CAM AND CUT OFF GUARD 16 IN.
32	B300164	1	TOE GUARD
33	B300173	1	SKI ARM 24 IN.
	B300172	1	SKI ARM 16 IN.
34	B300280	1	IDLER SHAFT 24 IN. 1.25 DIA. - CURRENT
	H301033	1	CROWN ROLLER 24 IN. (OPTIONAL)
	H301214	1	IDLER SHAFT 24 IN. - NON CURRENT
	B300279	1	IDLER SHAFT 16 IN. 1.25 DIA. - CURRENT
	H301009	1	CROWN ROLLER 16 IN. (OPTIONAL)
	H301213	1	IDLER SHAFT 16 IN. - NON CURRENT
35	B500081	1	HEAD AND LINKAGE ASSEMBLY 24 IN. (SEE SEC. 2)
	B500080	1	HEAD AND LINKAGE ASSEMBLY 16 IN. (SEE SEC. 2)
36	B500096	1	AUTO-STEER LINKAGE ASSEMBLY (SEE SEC. 4)
37	B500103	1	4000 CONVEYOR HOSE KIT
38	B500123	1	FRONT ROLLER ASSEMBLY 24 IN. (SEE SEC. 2)
	B500122	1	FRONT ROLLER ASSEMBLY 16 IN. (SEE SEC. 2)
39	B500127	1	BLADE REBOUND WHEEL ASSEMBLY 24 IN. (SEE SEC. 2)
	B500126	1	BLADE REBOUND WHEEL ASSEMBLY 16 IN. (SEE SEC. 2)
40	B500182	1	SKI ARM BUNGEE
41	B500223	1	MAIN CONVEYOR BELT ASSEMBLY 24 IN.
	B500222	1	MAIN CONVEYOR BELT ASSEMBLY 16 IN.
42	B500237	1	CONVEYOR DRIVE SHAFT 24 IN. COMPLETE ASSEMBLY (SEE PG. 1-13)
	B500236	1	CONVEYOR DRIVE SHAFT 16 IN. COMPLETE ASSEMBLY (SEE PG. 1-13)
43	B500243	1	CUT OFF ASSEMBLY 24 IN. ADJUSTABLE (SEE SEC. 2)
	B500242	1	CUT OFF FRAME ASSEMBLY 16 IN. ADJUSTABLE (SEE SEC. 2)



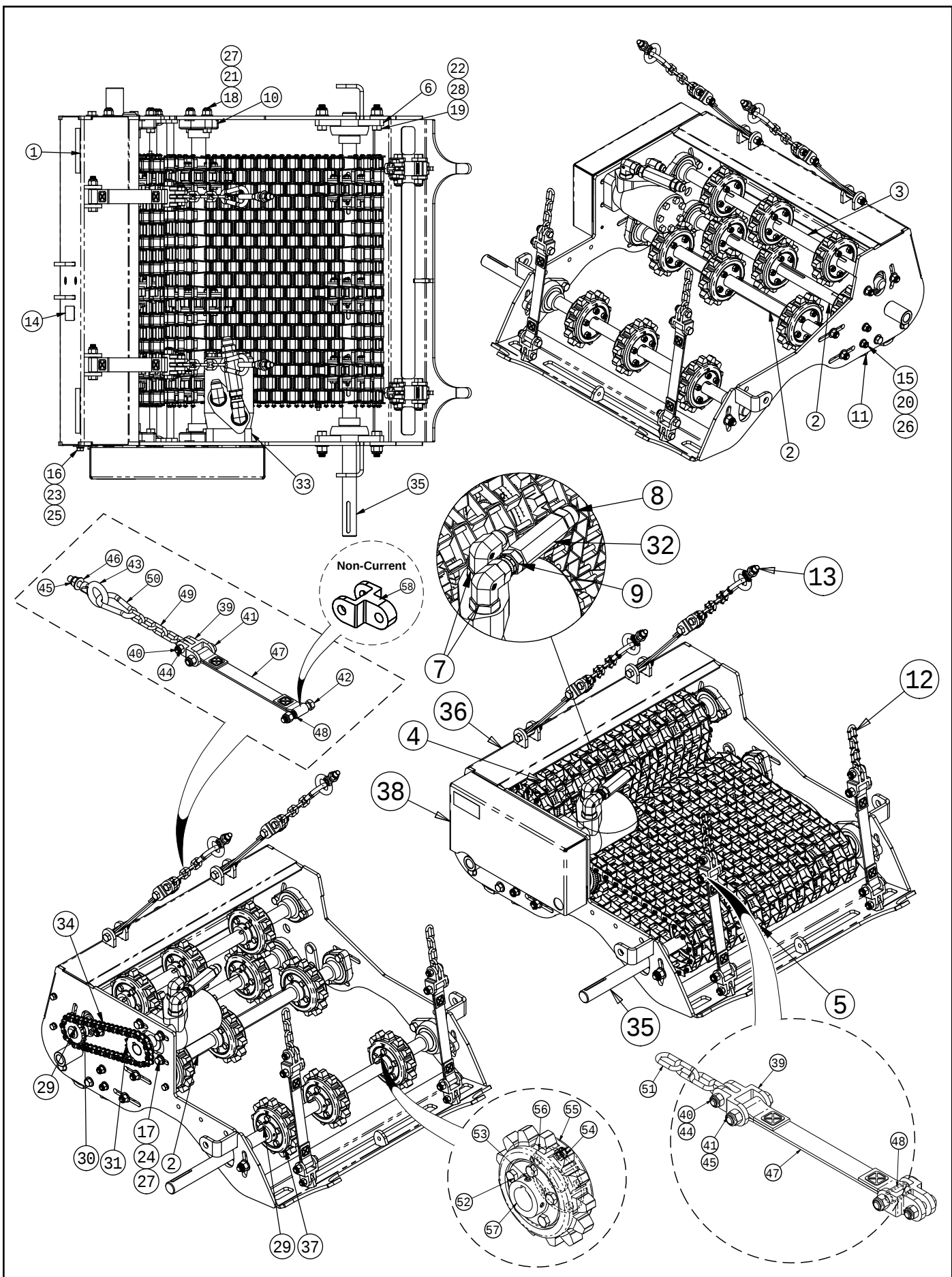
Brouwer 4000 Sod Harvester Conveyor Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
44	B500433	1	SKI-LIFT HYDRAULIC CYLINDER ASSEMBLY
45	B500466	1	HEAD LIFT CYINDER ASSEMBLY
46	D2902	1	BELT IDLER SHEAVE O.D. 2.875
47	F020510	4	5/16-18 X 1 LG CARRAGE BOLT
48	F020814	2	CARRIAGE BOLT 1/2 UNC x 1.1/2 LG
49	F040410	3	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8
50	F040506	4	BOLT - 5/16 UNC x 3/4 Gr 8
51	F040510	4	HEX BOLT - 5/16 - 18 UNC x 1.0 LG. GR. 8
52	F040512	11	BOLT - 5/16 -18 UNC x 1 1/4 Gr 8
53	F040514	4	BOLT - 5/16 -18 UNC x 1 1/2 Gr 8
54	F040532	4	HEX BOLT - 5/16 UNC x 3.25 LG. GR 8
55	F040610	3	BOLT - 3/8 UNC x 1.0 Gr 8
56	F040612	4	BOLT - 3/8 UNC x 1 1/4 Gr 8
57	F040614	5	HEX HD BOLT - 3/8-16 UNC x 1.50 GR 8
58	F040616	3	BOLT - 3/8 UNC x 1 3/4 Gr 8
59	F040714	12	BOLT - 7/16 UNC x 1 1/2 Gr 8
60	F040716	8	BOLT - 7/16 UNC x 1 3/4 Gr 8
61	F040816	8	BOLT - 1/2 UNC X 1 3/4 Gr 8
62	F040820	2	BOLT - 1/2 UNC x 2.0 Gr 8
63	F040830	2	BOLT - HEX HEAD 1/2 -UNC x 3.00 LG. GR 8
64	F040832	2	BOLT - HEX HEAD 1/2 UNC x 3.25 LG. GR 8
65	F040840	1	HEX HD BOLT - 1/2-13 UNC x 4.0 GR 8
66	F040844	2	HEX HD BOLT - 1/2-13 UNC x 4-1/2 GR 8
67	F041020	4	BOLT - HEX HEAD 5/8 UNC x 2.00 Gr 8
68	F041650	1	HEX BOLT - 1.00 -8 UNC x 5.00 GR 8
69	F041654	1	HEX BOLT - 1.00 -8 UNC x 5.50 GR 8
70	F210408	34	1/4-20 UNC NYLOC NUT GR 8
71	F210500	28	NUT-5/16 UNC NYLOC
72	F210608	19	NUT - 3/8 UNC NYLOC Gr 8
73	F210700	20	HEX LOCK NUT - 7/16 UNC
74	F210808	16	NUT-1/2 UNC NYLOC Gr 8
75	F210850	1	NUT-1/2 -20 UNF NYLOC
76	F211212	4	FLANGED STOVER LOCK NUT - 3/4 -10
77	F211600	2	NYLOC NUT 1.00 UNC
78	F230608	4	NUT - 3/8 UNC Gr 8
79	F230800	2	HEX NUT - 1/2 UNC - ZINC PLATED
80	F231000	4	HEX NUT 5/8 -11 UNC
81	F270800	4	1/2-20 UNF NYLOC JAM NUT
82	F280100	2	NUT 8-32 UNC NYLON LOCK ST. STL
83	F310500	2	LOCK WASHER - 5/16
84	F310608	12	WASHER - 3/8 LOCK Gr 8
85	F310800	2	LOCK WASHER - 1/2
86	F311008	4	WASHER - 5/8 LOCK Gr 8
87	F320608	17	WASHER - 3/8 Gr 8
88	F321200	4	FLAT WASHER - 3/4
89	F330400	6	1/4 SAE FLAT WASHER
90	F330500	47	5/16 SAE WASHER
91	F330600	10	FLAT WASHER SAE 3/8
92	F330700	28	7/16 SAE FLAT WASHER
93	F330808	13	WASHER-1/2 SAE GR 8
94	F331008	4	WASHER - 5/8 SAE Gr 8
95	F331208	2	WASHER-3/4 SAE GR 8



Brouwer 4000 Sod Harvester Conveyor Assembly

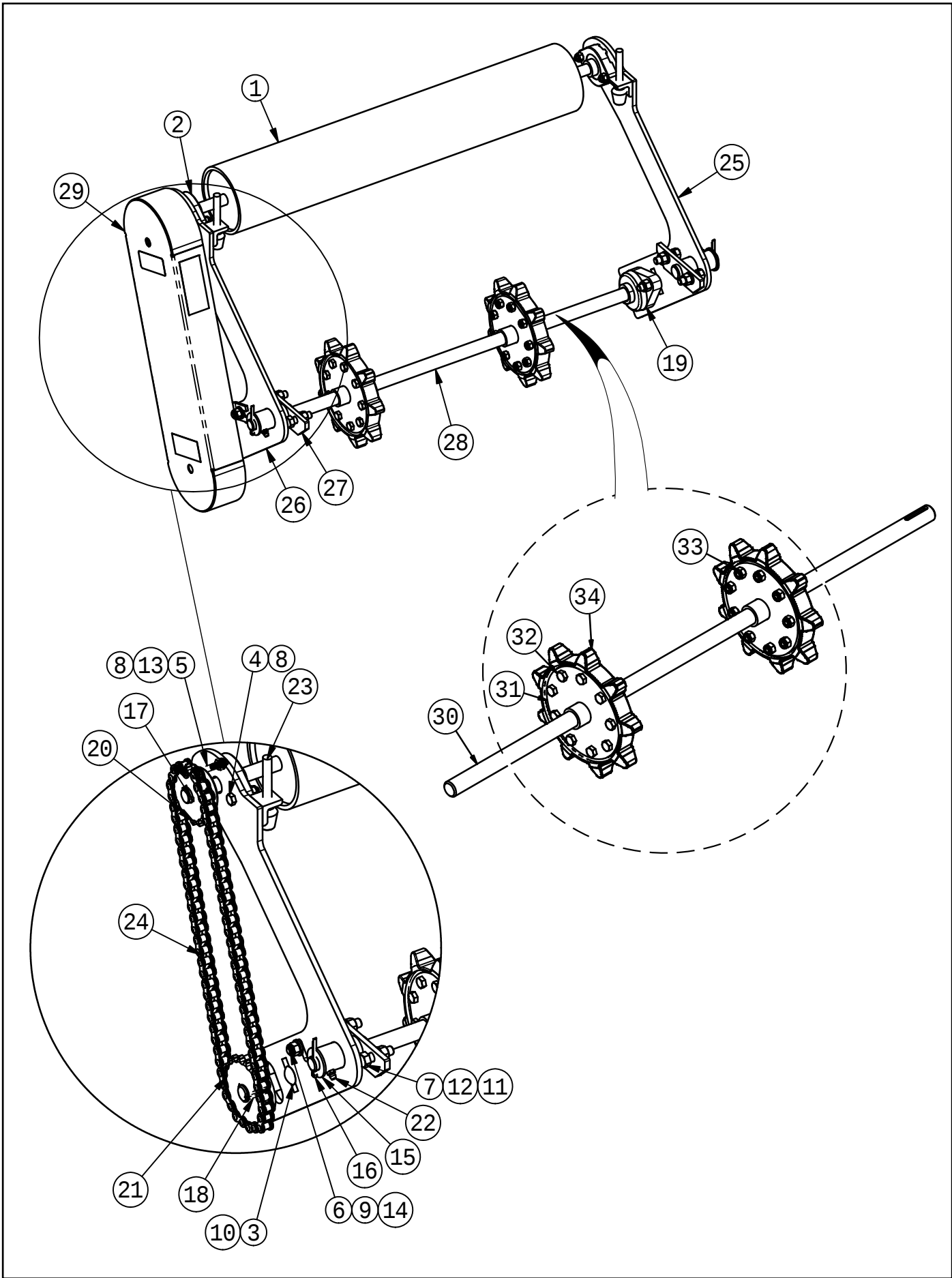
ITEM NO.	PART NO.	QTY.	DESCRIPTION
96	F331600	4	FLAT WASHER - 1.00 SAE
97	F570110	2	PAN HD PHIL 8-32 X 1.00 LG. ST STL
98	F610406	4	Screw 1/4 UNC X 3/4 FLAT HD. PHILLIPS .S.S.
99	F830074	2	RETAINING RING EXTERNAL 3/4"
	F910504	2	COTTER PIN 5/32 x 1 1/2 - NON CURRENT
100	F910624	1	COTTER PIN 3/16 X 2.50 LG.
101	F924410	2	KEY 0.25 X 0.25 X 1.00 LG
102	F924420	1	KEY - 1/4 x 1/4 x 2.0
103	G1804035	2	BOLT - HEX SOCKET M4 - 0.7 x 35 MM LG.
104	G270400	2	HEX NUT - NYLOC JAM M4-0.7
105	G330400	4	WASHER - M4 TYPE A
106	H101024	2	ADJUSTER WEDGE CONVEYOR
107	H101095	2	INNER SLIDER 30.5 IN. 24 IN.
	H101096	2	RETURN SLIDER - 16 IN.
108	H101246	1	SOD GUIDE SPACER
109	H101484	2	ROLL-UP BUMPER PAD
110	H301031	2	FEED ROLLER PIVOT
111	H301069	2	ROLL UP SPRING HOOK
112	H301117	3	ROLLER IDLER SHAFT 24 IN.
	R300063	1	TENSIONER SHAFT WELDMENT 16 IN.
113	H310345	1	AUTO-STEER SAND SHOE W/A
114	H500206	1	DOUBLE STARTER TRAY 24 IN. ASSEMBLY (SEE PG. 1-11)
	H500076	1	DOUBLE STARTER TRAY 16/18 IN. ASSEMBLY (SEE PG. 1-11)
115	H500209	1	TENSIONER ARM RH (SEE PG. 1-13)
116	H500210	1	TENSIONER ARM LH (SEE PG. 1-13)
117	KB12016	8	IGLIDE WASHER 1.00 DIA.
118	KB32012	6	FLANGE BEARING 0.75 DIA.
119	KB32016	2	FLANGE BEARING 1.00 DIA.
120	KC01002	5	3/16 SHACKLE - 1/2 TONNE WORKING LOAD - CURRENT
	016640	2	IDLER SPRING MOUNT - NON CURRENT
121	KD41810	1	SPROCKET #50 CHAIN - 18 TOOTH - 1.00 BORE
122	KD72310	1	SPROCKET #40 CHAIN 23 TOOTH 1.00 BORE
123	KD80003	1	SPLIT LOCK BUSHING TYPE P1 X 1.0
124	KD80038	1	ROLL-UP SPROCKET - 38 TOOTH - 16"
125	KE10389	1	DIFFUSE SENSOR W16
126	KE90023	1	CLEARANCE LIGHT LED KIT
127	KH30060	1	OHLA 210
128	KH30061	1	CUT OFF MOTOR
129	KM11400	6	STRAIGHT GREASE FITTING
130	KM99035	1	RUBBER HOOD LATCH
131	KS20002	2	SPRING TENSION 38.0 - CURRENT
	S2003	1	SPRING - NON CURRENT
132	Q8402-16.00	2	3/16 PLATED CHAIN - 16 IN. (16 LINKS)
133	Q8430-48.75	1	ROLLER CHAIN #40 - 48.75 IN. (97 LINKS)
134	R100516	1	CONVEYOR TOOTH COUNT PLATE - NON CURRENT UP TO S/N 102
135	R300148	1	ROLL UP SUPPORT BAR 24 IN.
	R300147	1	ROLL UP SUPPORT BAR 16 IN.
136	R500150	1	ROBOMAX ROLL-UP ASSEMBLY 24 IN. (SEE PG. 1-07)
	R300149	1	ROBOMAX ROLL-UP ASSEMBLY 16 IN. (SEE PG. 1-07)
137	R500424	1	ROLL-UP CHAIN GUARD LARGE SPROCKET W/DECALS
138	R500426	1	PRE-STARTER ROLLER ASSEMBLY 24 IN. (SEE PG. 1-09)
	R500425	1	PRE-STARTER ROLLER ASSEMBLY 16 IN. (SEE PG. 1-09)
139	R100924	1	SOD GUIDE - 24 IN. L.H. - NON CURRENT
	R100925	1	SOD GUIDE - 24 IN. R.H. - NON CURRENT
	R500425	1	SOD GUIDE - 23 IN. L.H. - NON CURRENT
	R500425	1	SOD GUIDE - 23 IN. R.H. - NON CURRENT
	R500425	1	SOD GUIDE - 16 IN. L.H. - NON CURRENT
	R500425	1	SOD GUIDE - 16 IN. R.H. - NON CURRENT
140	F040406	4	BOLT 1 1/4 UNC x 3/4 GR. 8 - NON CURRENT
141	F041014	2	BOLT 5/8 UNC x 1 1/2 GR. 8 - NON CURRENT
142	Q8404	4	QUICK LINK - 3/16 - NON CURRENT
143	H301041	8	T-BOLT (NOT SHOWN) (USED ON 16 IN. RETURN SLIDER)
144	A101493	2	WASHER 18 mm PROXIMITY SENSOR
145	KE10174	1	INDUCTIVE PROXIMITY SWITCH LONG RANGE
146	KS60013	2	NEOPRENE WASHER 3/4 x 1.50
147	8-6-070220	2	FITTING 1/2 STRAIGHT O-RING 90° ELBOW
148	B500136	1	4000 CONVEYOR LIFT CYLINDER
149	F041660	1	BOLT 1.00 - UNC x 7.00 Gr 8
150	F041660	1	BOLT 1.00 - UNC x 6.00 Gr 8
151	F211600	2	NYLOC NUT 1.00 UNC
152	B500244	1	CONVEYOR TRACKING RETROFIT ASSEMBLY (SEE PG. 1-15)



Brouwer 4000 Sod Harvester Roll-up Assembly

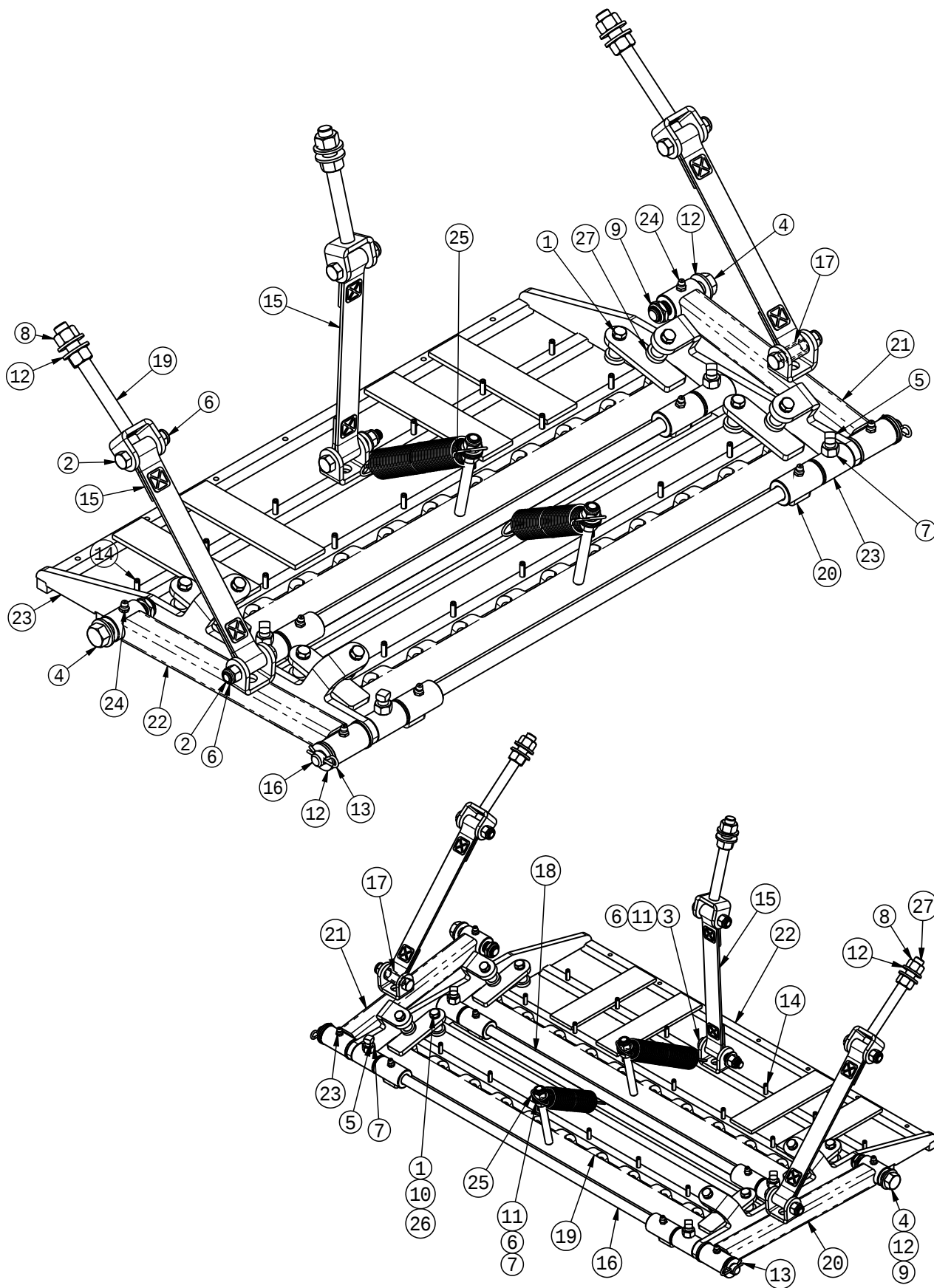
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	015900	2	DECAL - KEEP CLEAR OF CONVEYOR
2	016720	2	ROLLUP IDLER SHAFT MINTEX 24 IN.
	R100259	2	IDLER SHAFT MINTEX ROLLUP 16/18 IN.
3	4129654	1	SHAFT - VERTICAL DRIVE 24 IN.
	R100260	1	VERTICAL DRIVE SHAFT 16/18 IN.
4	4134808	1	VERTICAL BELT -MINTEX 18 IN.
	R100743	1	VERTICAL ROLL UP MAT 16 IN.
5	4134809	1	ROLL-UP BELT - MINTEX 18 IN.
	R100589	1	ROLL UP MAT 16 IN.
6	55-FB23016	2	BEARING 2-BOLT FLANGE 1" BORE VCJT1
7	8-10-070220	2	FITTING 1/2 STRAIGHT THRD O-RING 90° ELBOW
8	8-8-070120	1	#8 JIC TO #8 ORB STREIGHT
9	8-8-070181	1	FITTING - SAE STRAIGHT FEMALE SWIVEL TO SAE O'RING BOSS - SAE 37° (JIC) FLRTWIN
10	B0121	6	BEARING 1.00 IN. BORE 2 BOLT FLANGE
11	B300265	1	ROLL UP FRAME ROD 24 IN.
	B300264	1	ROLL UP FRAME ROD 16 IN.
12	B500233	2	FRONT ROLL-UP STRAP ASSEMBLY
13	B500288	2	REAR ROLL-UP STRAP ASSEMBLY
	B500234	2	REAR ROLL-UP STRAP ASSEMBLY - NON CURRENT
14	D001-054	1	DECAL - WARNING CRUSHING HAZARD
15	F020510	4	5/16-18 X 1 LG CARRAGE BOLT
16	F040404	3	BOLT- HEX HD 1/4 UNC x 0.50 LG. GR 8
17	F040610	4	BOLT - 3/8 UNC x 1.0 Gr 8
18	F040614	12	HEX HD BOLT - 3/8-16 UNC x 1.50 GR 8
19	F040714	4	BOLT - 7/16 UNC x 1 1/2 Gr 8
20	F210500	4	NUT-5/16 UNC NYLOC
21	F210600	12	HEX LOCK NUT - 3/8 -16 UNC
22	F210700	4	HEX LOCK NUT - 7/16 UNC
23	F310400	3	WASHER - 1/4 LOCK
24	F310600	4	LOCK WASHER - 3/8
25	F330400	3	1/4 SAE FLAT WASHER
26	F330500	4	5/16 SAE WASHER
27	F330600	16	FLAT WASHER SAE 3/8
28	F330700	4	7/16 SAE FLAT WASHER
29	F924410	14	KEY 0.25 X 0.25 X 1.00 LG
30	KD71410	1	SPROCKET #40 CHAIN 14 TOOTH 1.00 BORE C/W KEYWAY
31	KD71610	1	SPROCKET #40 CHAIN 16 TOOTH 1.0 BORE
32	KH20196	1	CHECK VALVE - ROLL EJECT MOTOR
33	KH30007	1	CONVEYOR MOTOR
34	Q8430-21.50	1	ROLLER CHAIN #40 - 21.50 IN. (43 LINKS)
35	R100457	1	ROLL UP DRIVE SHAFT 24 IN.
	R100314	1	ROLL UP DRIVE SHAFT 16 IN.
36	R300154	1	ROLL UP TRAY WELDMENT 24 IN.
	R300153	1	ROLL UP TRAY WELDMENT 16/18 IN.
37	R500068	12	ROLL-UP SPROCKET ASSEMBLY
38	R500427	1	GUARD - ROLL UP W/DECAL
39	B101477	6	STRAP MOUNT DOUBLE CLEVIS
40	F040512	6	BOLT - 5/16 -18 UNC x 1 1/4 Gr 8
41	F040620	6	BOLT - HEX HD 3/8-16 UNC x 2.00 LG. GR 8
42	F040622	2	BOLT - 3/8 UNC x 2 1/4 Gr 8
	F040512	2	BOLT - 5/16 -18 UNC x 1 1/4 Gr 8 - NON CURRENT
43	F050614	2	MACHINERY EYE BOLT 3/8
44	F210500	6	NUT-5/16 UNC NYLOC
45	F210600	10	HEX LOCK NUT - 3/8 -16 UNC
46	F330600	2	FLAT WASHER SAE 3/8
47	H101032	4	STARTER HANGER STRAP
48	H101260	8	SLEEVE 1 IN. STRAP
49	H101281	2	CHAIN 3/16 - 5 LINKS
	H101280	2	CHAIN 3/16 - 3 LINKS - NON CURRENT
50	KC01035	2	FIREMAN SNAP 5/16 (8 mm)
51	505276	2	HEIGHT CHAIN
52	F040416	60	BOLT - HEX HEAD 1/4 UNC x 1 3/4 GR 8
53	F140402	24	SET SCREW - 1/4 -20 UNC SOC HD CUP POINT
54	F210408	60	1/4-20 UNC NYLOC NUT GR 8
55	R100621	12	ROLL-UP SPROCKET MINTEX
56	R100622	12	ROLL-UP SPROCKET PLATE
57	R100623	12	ROLL-UP SPROCKET HUB
58	B101478	2	STRAP MOUNT SINGLE CLEVIS - NON CURRENT

***NOTE:** For customers with a narrow spacing between the lugs at the rear of the frame less than 5/8 in. use Non Current Rear Roll-up Strap Assembly - B500234



Brouwer 4000 Sod Harvester Pre-Starter Roller Assembly

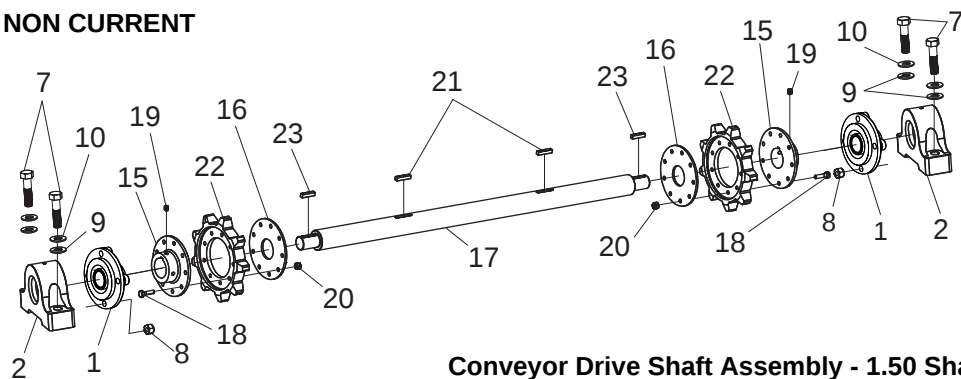
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	001437	1	4 IN. ROLLER 24 IN.
	014204	1	4 IN. ROLLER 16/18 IN.
2	B0002	2	FLANGE BEARING 5/8 Ø SET SCREW
3	F020614	4	CARRIAGE BOLT 3/8-16 x 1.50 LG.
4	F040412	3	HEX BOLT - 1/4 -20 UNC x 1-1/4 GR 8
5	F040414	1	BOLT - 1/4 UNC x 1 1/2 Gr 8
6	F040510	1	HEX BOLT - 5/16 - 18 UNC x 1.0 LG. GR. 8
7	F040612	4	BOLT - 3/8 UNC x 1 1/4 Gr 8
8	F210408	4	1/4-20 UNC NYLOC NUT GR 8
9	F210508	1	NUT - 5/16 UNC NYLOC Gr 8
10	F210608	4	NUT - 3/8 UNC NYLOC Gr 8
11	F230608	4	NUT - 3/8 UNC Gr 8
12	F310608	4	WASHER - 3/8 LOCK Gr 8
13	F330408	1	WASHER - 1/4 SAE Gr 8
14	F330500	2	5/16 SAE WASHER
15	F331008	2	WASHER - 5/8 SAE Gr 8
16	F910514	2	COTTER PIN - 5/32 x 1.50
17	F923306	1	KEY 3/16 x 3/16 x 0.75 LG. - CURRENT
	F900310	1	WOODRUFF KEY #608 - NON CURRENT
18	F923311	1	KEY 3/16 x 3/16 x 1.125 LG.
19	KB32012	2	FLANGE BEARING 0.75 DIA.
20	KD71605	1	SPROCKET #40 CHAIN 16 TOOTH 0.625 BORE WITH KEYWAY
21	KD71906	1	SPROCKET #40 CHAIN 19 TOOTH - 3/4 BORE
22	KM11400	2	STRAIGHT GREASE FITTING
23	KS60002	2	BUMPER SPINDLE 3/8-UNC x 2.50 Lg 3.50 OAL
24	Q8430-34.50	1	ROLLER CHAIN #40 - 34.50 IN. (69 LINKS)
25	R300046	1	4 IN. ROLLER ARM LH
26	R300047	1	4 IN. ROLLER ARM RH
27	R300195	2	ROLLER PIVOT PIN PLATE W/A
28	R500414	1	IDLER SHAFT 24" ROLLER DRIVE ASSEMBLY
	A03254	1	IDLER SHAFT 16" ROLLER DRIVE ASSEMBLY
29	R500423	1	4 IN. ROLLER DRIVE GUARD W/DECALS
30	002611	1	IDLER SHAFT 24 IN. ROLLER DRIVE
	014128	1	ROLLER DRIVE SHAFT WELDMENT 16/18 IN.
31	A100761	2	BED SPROCKET PLATE
32	F040410	18	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8
33	F210400	18	1/4-20 UNC NYLOC NUT
34	KD20001	2	CONVEYOR SPROCKET



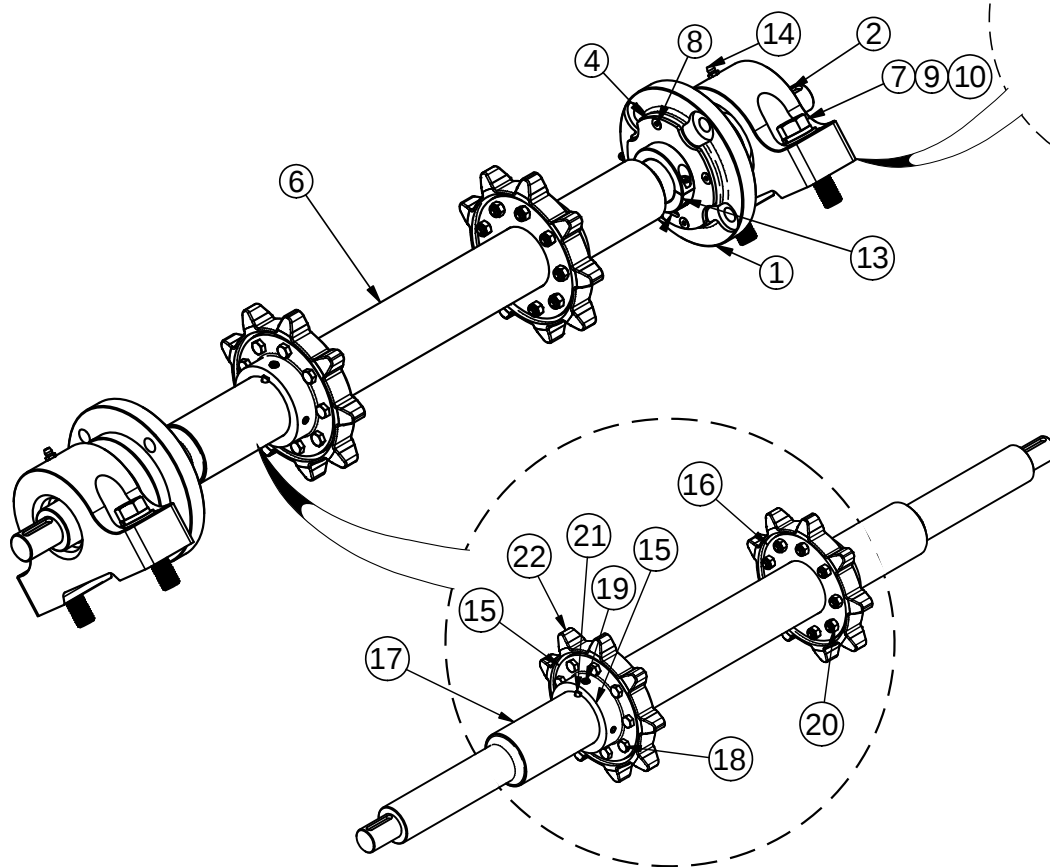
**Brouwer 4000 Sod Harvester
Double Starter Tray Assembly**

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	F040404	8	BOLT- HEX HD 1/4 UNC x 0.50 LG. GR 8
2	F040620	5	BOLT - HEX HD 3/8-16 UNC x 2.00 LG. GR 8
3	F040624	1	HEX BOLT 3/8-16UNC x 2-1/2 LG.
4	F040824	2	BOLT - 1/2 UNC X 2 1/2 Gr 8
5	F110606	4	SET SCREW SQ HD CUP POINT
6	F210600	8	HEX LOCK NUT - 3/8 -16 UNC
7	F230600	6	NUT - 3/8-16
8	F230800	6	HEX NUT - 1/2 UNC - ZINC PLATED
9	F270800	2	1/2-20 UNF NYLOC JAM NUT
10	F310400	8	WASHER - 1/4 LOCK
11	F330600	5	FLAT WASHER SAE 3/8
12	F330800	14	1/2 SAE FLAT WASHER
13	F940215	2	HAIRPIN COTTER - 3/32 x 1.625 LG.
14	F940312	20	SPRING PIN 3/16 x 1.25
15	H101032	3	STARTER HANGER STRAP
16	H101194	1	STARTER GATE SHAFT 24 IN.
	H101070	1	STARTER GATE SHAFT
17	H101260	6	SLEEVE 1 IN. STRAP
18	H101606	1	GATE SHAFT 24 IN.
	H101285	1	GATE SHAFT 16/18 IN.
19	H301052	2	STARTER GATE 24 IN.
	H301019	2	STARTER GATE 16/18 IN.
20	H301081	1	TRAY LINK L/H WELDMENT STARTER TRAY
21	H301082	1	TRAY LINK R/H WELDMENT STARTER TRAY
22	H301188	1	DOUBLE STARTER
23	KM11400	8	STRAIGHT GREASE FITTING
24	KS20005	1	SPRING TENSION, 6.875
25	KS20006	1	SPRING TENSION, 5.375
26	KS60003	8	BUMPER
27	R300366	3	CONVEYOR SUSPENDER ADJUSTER MESH TRAY

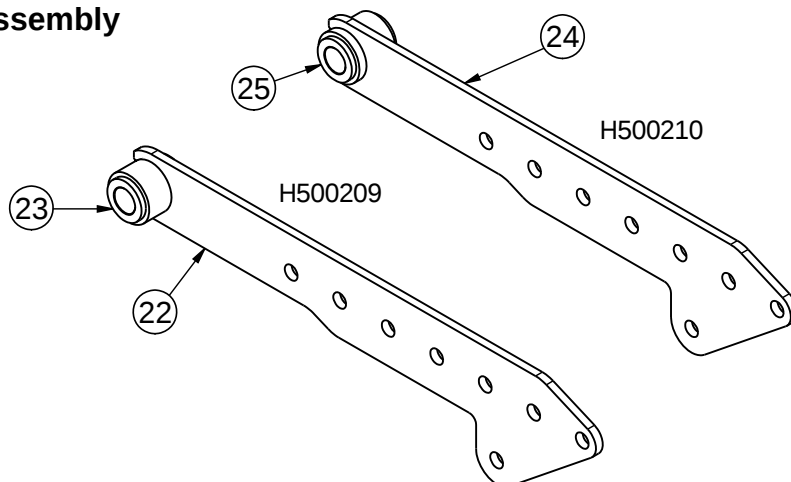
NON CURRENT



Conveyor Drive Shaft Assembly - 1.50 Shaft



Tensioner Arm Assembly



Brouwer 4000 Sod Harvester Conveyor Drive Shaft Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B101459	2	FLANGED CONVEYOR BEARING HOUSING - CURRENT FROM SN. 37
	KB31024	2	FLANGED BEARING 1.50 DIA. - N/C UP TO SN. 36
2	B101460	2	CONVEYOR PILLOW BLOCK HOUSING - CURRENT FROM SN. 37
	KB30054	2	BEARING 1 1/2 IN. BORE BEARING - N/C UP TO SN. 36
3	B101461	2	LOCK COLLAR SPACER
4	B101520	2	CONVEYOR BEARING COVER PLATE
5	B101628	2	LOCK COLLAR SPACER INTERNAL
6	B500190	1	MAIN CONVEYOR SHAFT ASSEMBLY 24 IN.
	B500189	1	MAIN CONVEYOR SHAFT ASSEMBLY 16 IN.
7	F041026	4	5/8-UNC X 2-3/4 HEX BOLT
8	F120203	8	FLAT HEAD HEX SOCKET - 10-24 UNC x 3/8 LG. - CURRENT FROM SN. 37
	F270808	8	JAM NUT 1/2-13 GR. 2 - NYLOC - N/C UP TO SN. 36
9	F311000	4	LOCK WASHER - 5/8
10	F331000	4	FLAT WASHER SAE 5/8 IN.
11	G815080	2	RETAINING RING - INTERNAL - 80 mm
12	KB16335	4	SPHERICAL ROLLER BEARING 40 mm
13	KM10066	4	LOCK COLLAR - 40 mm I.D. 2 PIECES
14	KM11400	4	STRAIGHT GREASE FITTING
15	B101264	2	SPROCKET FLANGE 2.25 SHAFT - CURRENT FROM SN. 37
	B100824	2	SPROCKET FLANGE 1.50 SHAFT - N/C UP TO SN. 36
16	B101265	2	CONVEYOR SPROCKET CLAMP PLATE 2.25 SHAFT - CURRENT FROM SN. 37
	R100445	2	CONVEYOR SPROCKET CLAMP PLATE - N/C UP TO SN. 36
17	B101463	1	CONVEYOR DRIVE SHAFT 24 IN. - CURRENT FROM SN. 37
	B101462	1	CONVEYOR DRIVE SHAFT 16 IN. - CURRENT FROM SN. 37
	B100894	1	1.50 IN. CONVEYOR DRIVE SHAFT 24 IN. - N/C UP TO SN. 36
	B100823	1	1.50 IN. CONVEYOR DRIVE SHAFT 16 IN. - N/C UP TO SN. 36
18	F040410	18	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8.
19	F140503	4	SET SCREW - 5/16 -18 UNC x 3/8 CUP PT
20	F210400	18	1/4-20 UNC NYLOC NUT
21	F924412	2	KEY - 1/4 x 1/4 x 1 1/4
22	KD20001	2	CONVEYOR SPROCKET
23	F924410	2	KEY - 1/4 x 1/4 x 1 - N/C UP TO SN. 36

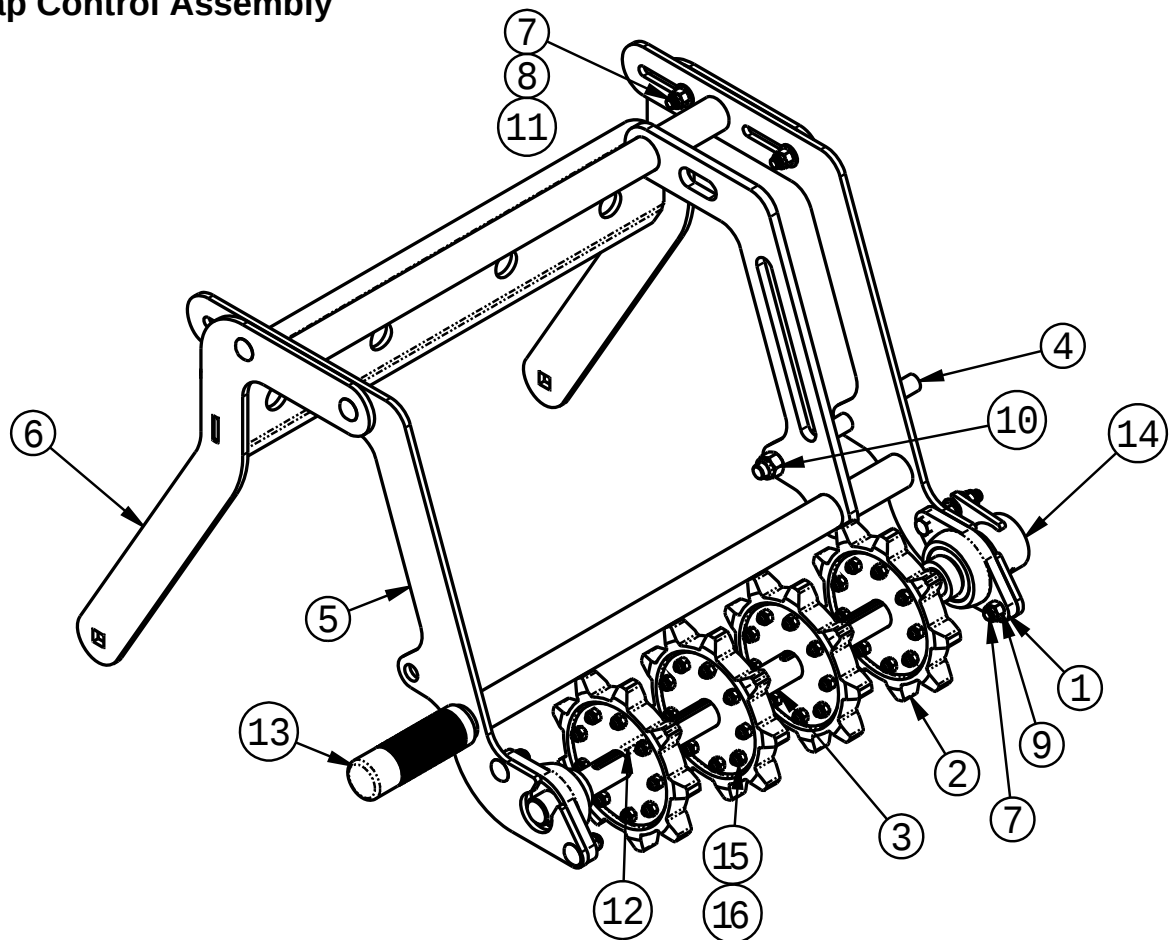
Tensioner Arm Assembly LH - H500209

ITEM NO.	PART NO.	QTY.	DESCRIPTION
22	H301005	1	TENSIONER ARM
23	KB11212	2	FLANGED BUSHING - 0.75 I.D.

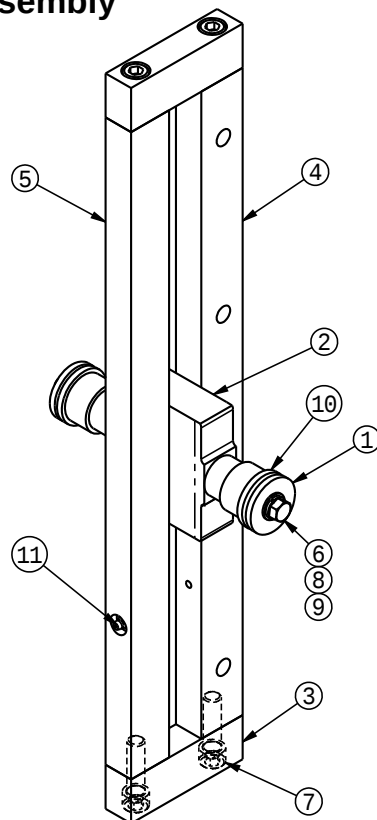
Tensioner Arm Assembly RH - H500210

ITEM NO.	PART NO.	QTY.	DESCRIPTION
24	H301006	1	TENSIONER ARM
25	KB11212	2	FLANGED BUSHING - 0.75 I.D.

Roll Flap Control Assembly



Conveyor Tracking Retrofit Assembly



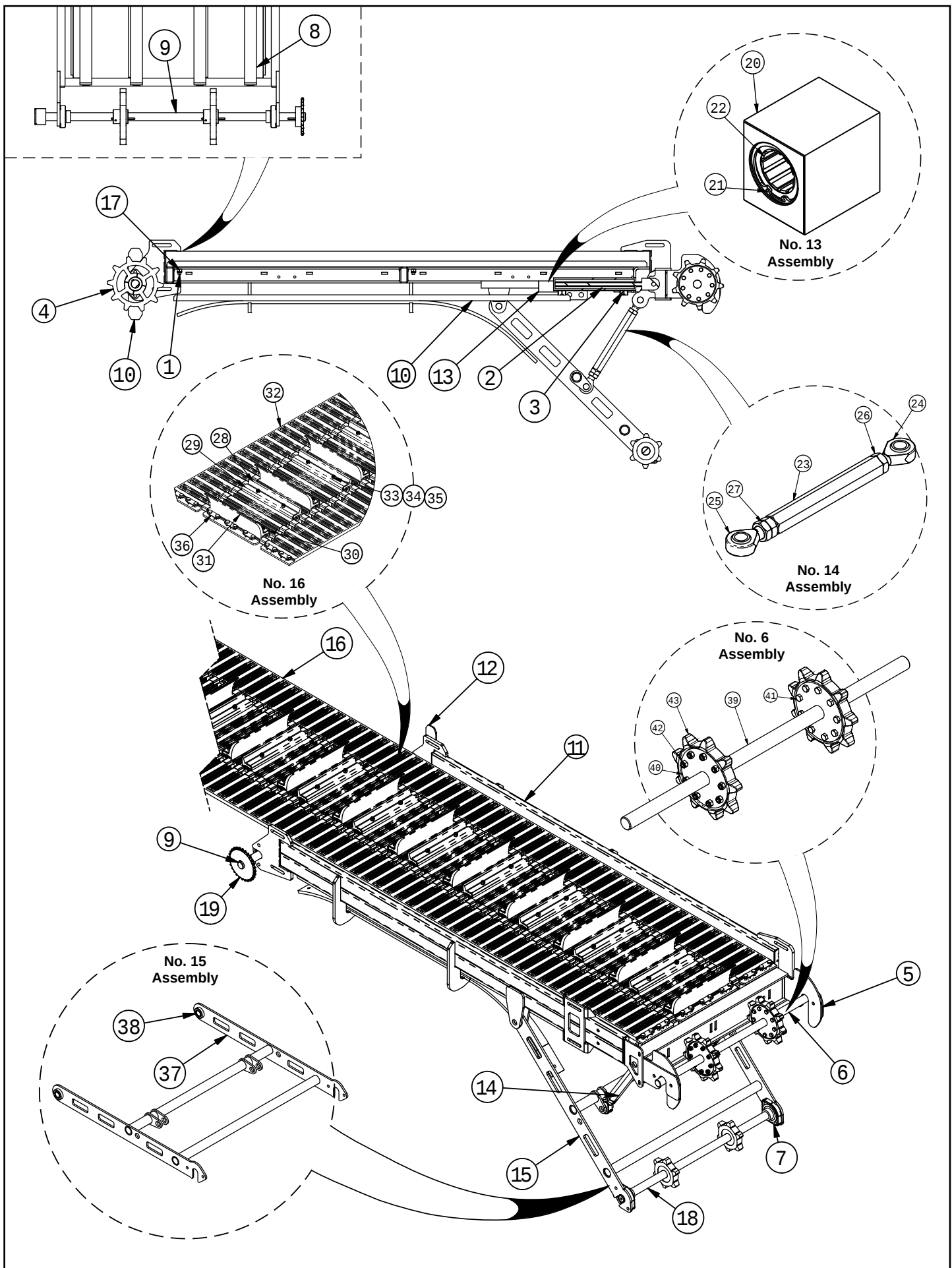
Brouwer 4000 Sod Harvester
Roll Flap Control & Conveyor Tracking Assembly

B500132 - Roll Flap Control Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	55-FB23016	2	BEARING 2-BOLT FLANGE 1" BORE VCJT1
2	KD20001	4	CONVEYOR SPROCKET - CURRENT
	A500053	4	BED CONVEYOR SPROCKET ASSEMBLY LASER PLATE BACKING - NON CURRENT
3	B300250	1	FLAP CONTROL SHAFT WELDMENT 16 IN. - CURRENT
	B300251	1	FLAP CONTROL SHAFT WELDMENT 24 IN. - CURRENT
	B101063	1	FLAP CONTROL SHAFT 16 IN. - NON CURRENT
	B101064	1	FLAP CONTROL SHAFT 24 IN. - NON CURRENT
4	B101076	1	FLAP CONTROL LIFT ROD
5	B300176	1	SOD FLAP CONTROL BRACKET 16 IN.
	B300177	1	SOD FLAP CONTROL BRACKET 24 IN.
6	B300192	1	FLAP CONTROL MOUNTING FRAME 16 IN.
	B300193	1	FLAP CONTROL MOUNTING FRAME 24 IN.
7	F020612	7	CARRIAGE BOLT - 3/8 UNC x 1 1/4
8	F210600	4	HEX LOCK NUT - 3/8 -16 UNC
9	F210608	3	NUT - 3/8 UNC NYLOC Gr 8
10	F210800	1	NUT-1/2 UNC NYLOC
11	F330600	4	FLAT WASHER SAE 3/8
12	F924410	4	KEY 0.25 X 0.25 X 1.00 LG - NON CURRENT
13	KM40015	1	GRIP 1.25 I.D.
14	R500210	1	1.00 Ø ROLLER CLUTCH ASSEMBLY
15	F040412	20	HEX BOLT - 1/4 -20 UNC x 1-1/4 GR 8 - CURRENT
16	F210400	20	1/4-20 UNC NYLOC NUT - CURRENT

B500244 - Conveyor Tracking Assembly

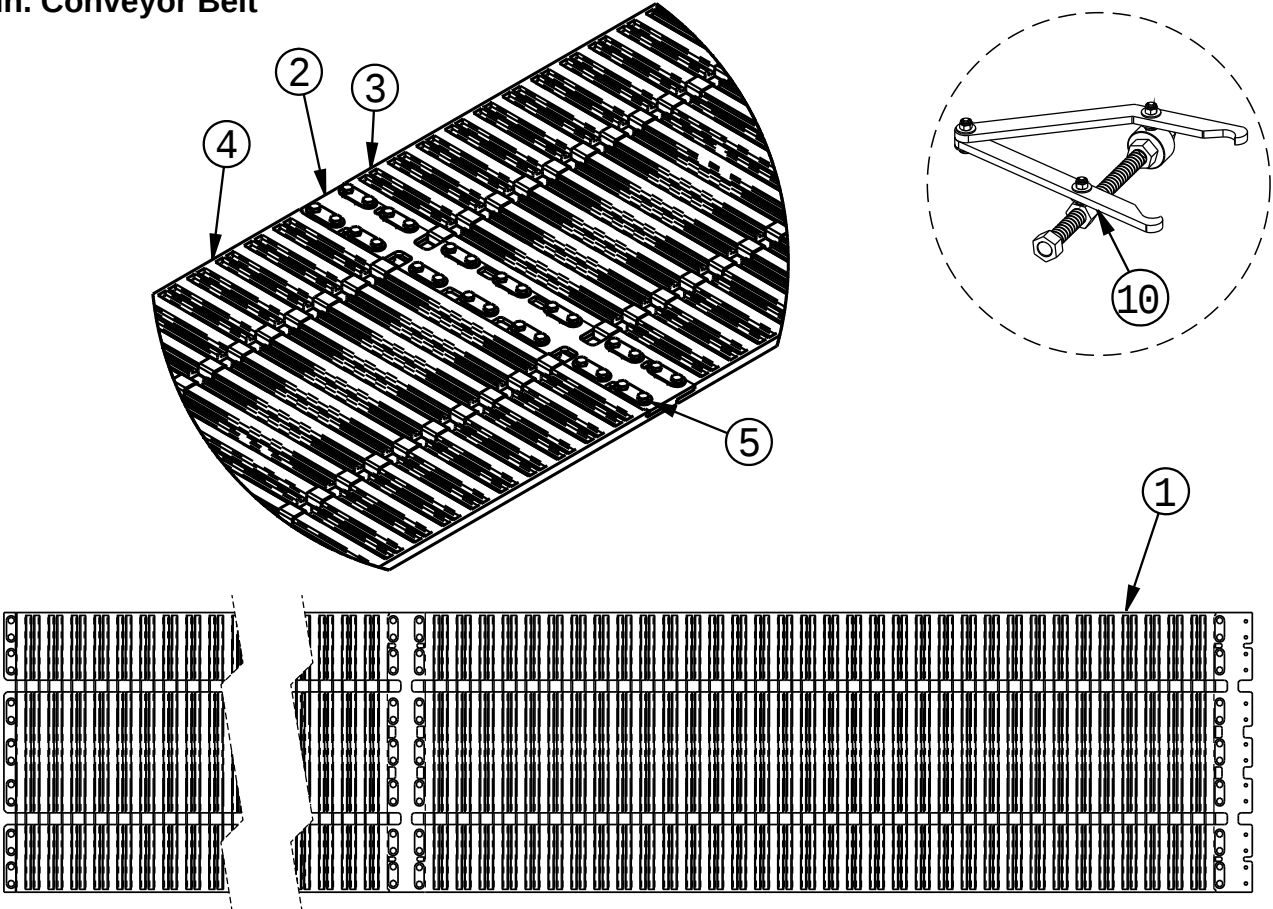
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B100451	2	WASHER 1.75 x 0.375 x 0.188
2	B101494	1	CONVEYOR RETAINER PIVOT PLATE
3	B101496	2	CONVEYOR KEEPER BOTTOM PLATE
4	B101602	1	TRACKING ROD SLOT MOUNTING
5	B101603	1	TRACKING ROD SLOT OUTER
6	F040610	2	BOLT - 3/8 UNC x 1.0 Gr 8
7	F180816	4	SOC HD CAP 1/2 UNC x 1.75 LG.
8	F310600	2	LOCK WASHER - 3/8
9	F330600	2	FLAT WASHER SAE 3/8
10	KB11806	2	IGUS BUSHING FLANGED 1.25 x 1.50 x 0.75
11	KM11400	2	STRAIGHT GREASE FITTING



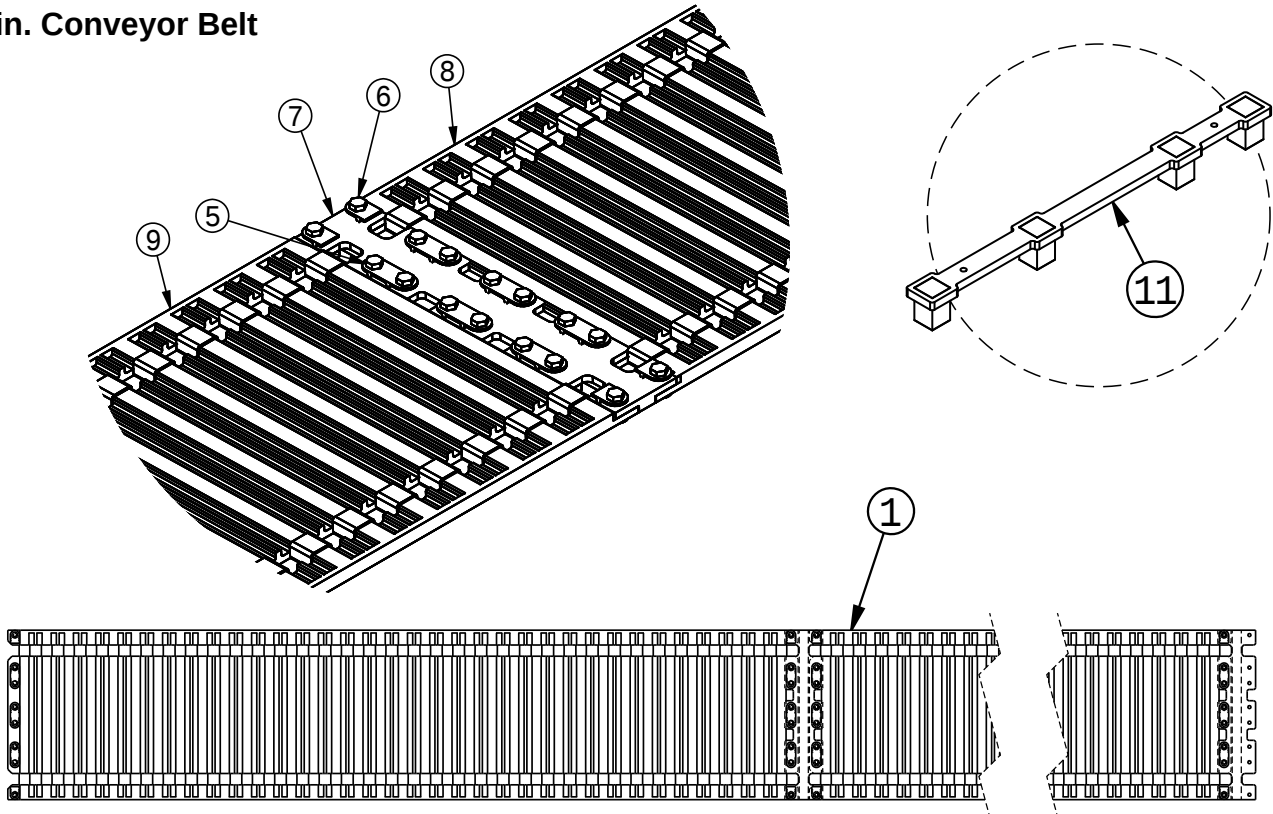
Brouwer 4000 Sod Harvester Index Conveyor Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	016661	8	SLIDER T-BOLT
2	4129177	2	GUIDE SHAFT
3	4131860	1	INDEX BAD ROLL CYLINDER
	KH70139	1	INDEX BAD ROLL CYLINDER - SEAL KIT
4	4135600	2	10 TOOTHED SPROCKET WELDMENT
5	4138642	1	BAD ROLL BRACKET 24 IN.
	R300042	1	BAD ROLL BRACKET 16 IN.
6	4160827	1	FRONT INDEX CONVEYOR IDLER SHAFT 24 IN.
	R500083	1	FRONT INDEX CONVEYOR IDLER SHAFT 16 IN.
7	B0121	4	BEARING 1.00 IN. BORE 2 BOLT FLANGE
8	B100250	4	INDEX CONVEYOR SLIDER
9	B100693	1	INDEX CONVEYOR 24 IN. DRIVE SHAFT
	B100252	1	INDEX CONVEYOR 16 IN. DRIVE SHAFT
10	B100898	2	INDEX CONVEYOR RETURN SLIDER
11	B300073	1	INDEX CONVEYOR WELDMENT 24 IN.
	B300032	1	INDEX CONVEYOR WELDMENT 16 IN.
12	B300163	1	SENSOR FLAG WELDMENT
13	B500021	4	INDEX CONVEYOR LINEAR BEARING
14	B500026	2	INDEX LINKAGE BAR ASSEMBLY
15	B500028	1	INDEX CONVEYOR IDLER TENSIONER ARM 24 IN.
	B500027	1	INDEX CONVEYOR IDLER TENSIONER ARM 16 IN.
16	B500095	1	INDEX CONVEYOR BELT ASSEMBLY 24 IN.
	B500094	1	INDEX CONVEYOR BELT ASSEMBLY 16 IN.
17	F210600	8	HEX LOCK NUT - 3/8 -16 UNC
18	H301214	1	LOWER IDLER SHAFT 24 IN. CONVEYOR
	H301212	1	LOWER IDLER SHAFT 16 IN. CONVEYOR
19	KD72810	1	SPROCKET #40 CHAIN 28 TOOTH 1.00 BORE
20	B100272	1	LINEAR GUIDE BEARING BLOCK
21	F815156	2	RETAINING RING INTERNAL 1 9/16
22	KB11910	1	LINEAR BUSHING 1.00 I.D.
23	B100367	1	INDEX CONVEYOR LINKAGE BAR
24	CM00121	1	ROD END - MALE 3/4 UNF R.H.
25	CM00122	1	ROD END - MALE 3/4 UNF L.H.
26	F221250	1	HEX JAM NUT - 3/4 UNF
27	F221260	1	HEX JAM NUT - 3/4-16 UNF LH
28	4133515	19	RUBBER CLEAT SHORT
29	4140215	19	METAL STRIP CLEAT SHORT
30	B100309	19	METAL STRIP CLEAT 16 IN.
31	B100310	19	RUBBER CLEAT TALL 16 IN.
32	B100813	1	INDEX CONVEYOR BELT 24 IN.
	B100812	1	INDEX CONVEYOR BELT 16 IN.
33	F040414	95	BOLT - 1/4 UNC x 1 1/2 Gr 8
34	F210400	95	1/4-20 UNC NYLOC NUT
35	F330400	95	1/4 SAE FLAT WASHER
36	KD90001	7	BELT SPLICER
37	B300052	1	INDEX CONVEYOR TENSIONER IDLER ARM WELDMENT 24 IN.
	B300051	1	INDEX CONVEYOR TENSIONER IDLER ARM WELDMENT 16 IN.
38	KB11210	2	BUSHING 0.75 I.D. x 1.00 O.D. x 1.00 LG.
39	4136960	1	FRONT IDLER WELDMENT
	R300057	1	FRONT INDEX IDLER 16 IN. WELDMENT
40	A100761	2	BED SPROCKET PLATE
41	F040410	18	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8
42	F210400	18	1/4-20 UNC NYLOC NUT
43	KD20001	2	CONVEYOR SPROCKET

24 in. Conveyor Belt

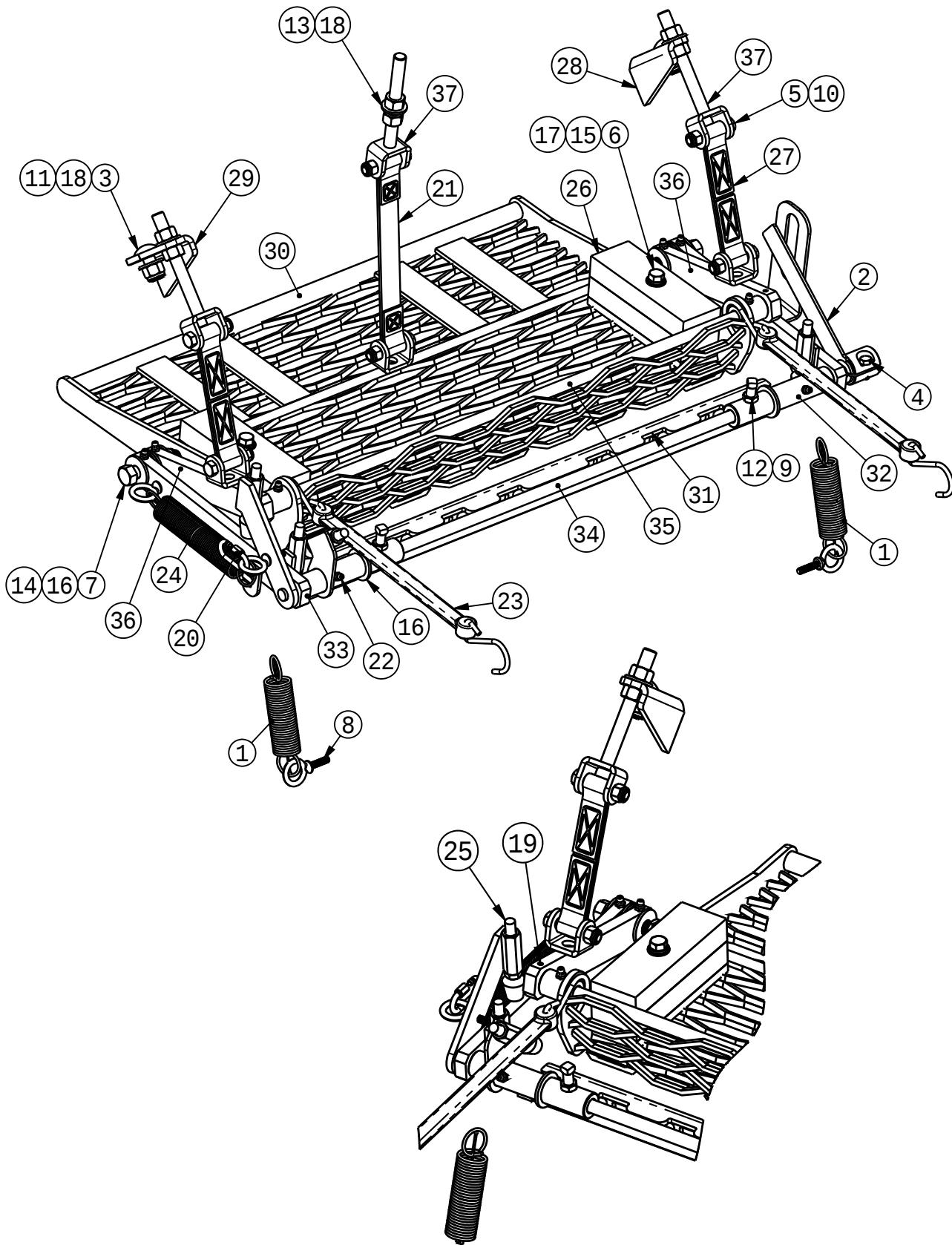


16 in. Conveyor Belt



Brouwer 4000 Sod Harvester
24 in. & 16 in. Conveyor Belt Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B500223	1	MAIN CONVEYOR BELT ASSEMBLY 24 IN.
	B500222	1	MAIN CONVEYOR BELT ASSEMBLY 16 IN.
2	B101185	2	RUBBER BELT SPICER 24 IN.
3	B101444	1	4000 24 IN. MAIN CONVEYOR BELT SHORT PIECE
4	B101445	1	4000 24 IN. MAIN CONVEYOR BELT LONG PIECE
5	KD90001	28	BELT SPICER (24 IN.)
		12	BELT SPICER (16 IN.)
6	002641	1	MAT SPLICE HALF
7	B100995	2	RUBBER BELT SPICER 16 IN.
8	B101442	1	4000 16 IN. MAIN CONVEYOR BELT LONG PIECE
9	B101443	1	4000 16 IN. MAIN CONVEYOR BELT SHORT PIECE
10	S500002	1	CONVEYOR BELT TIGHTENER
11	S300014	1	CONVEYOR MAT JOINER JIG

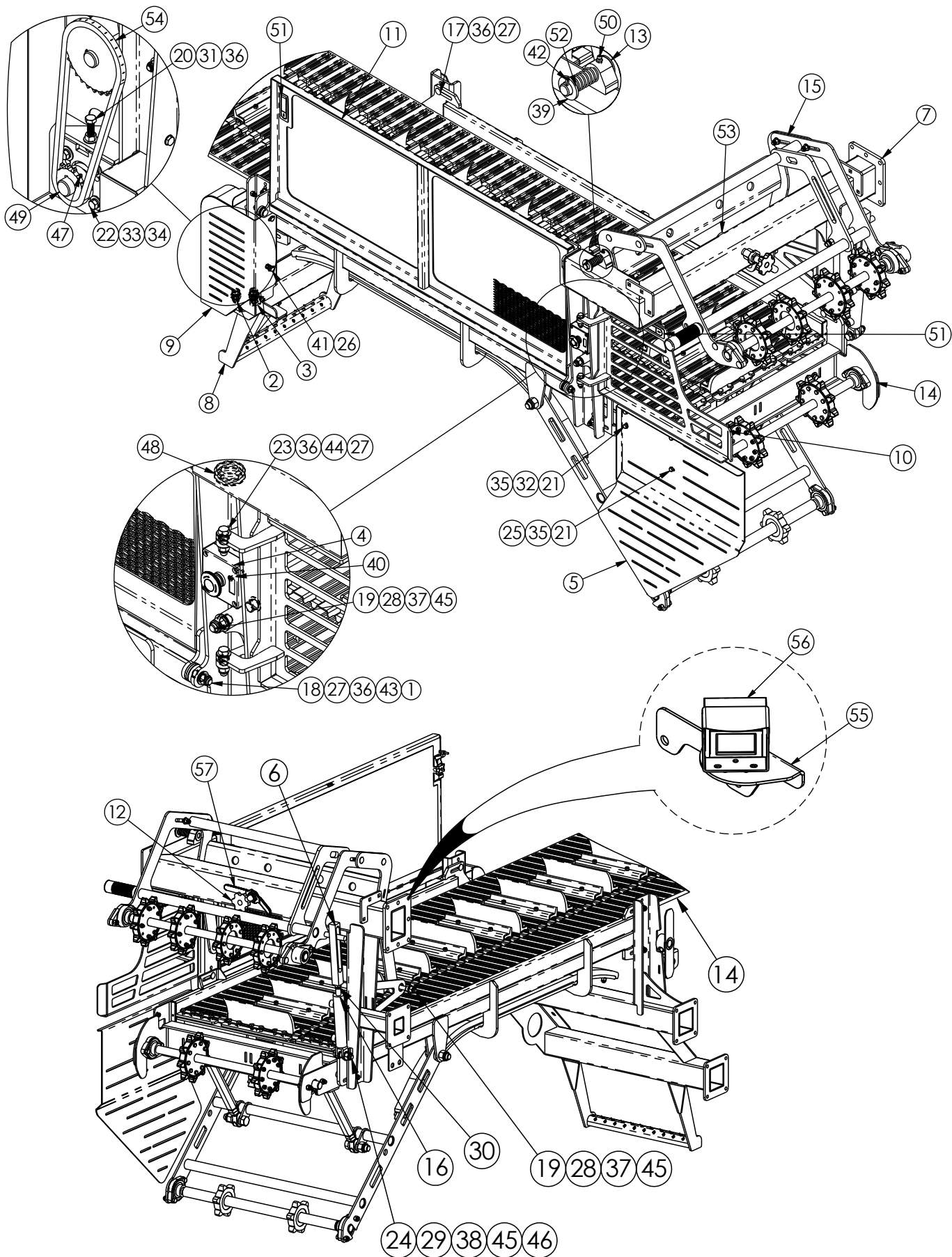


Brouwer 4000 Sod Harvester
14.5" LG Mesh Starter Tray 16 & 24 IN.

R500152 - 24 IN. - 14.5" LG Mesh Starter Tray Assembly

R500151 - 16 IN. - 14.5" LG Mesh Starter Tray Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	001279	2	SPRING, SCRAPER BLADE
2	4139958	1	ROLLUP FLAG W/A
3	F020812	2	CARRIAGE BOLT 1/2 UNC x 1.1/4 LG
4	F040406	1	BOLT 1/4 UNC x 3/4 Gr 8
5	F040620	6	BOLT - HEX HD 3/8-16 UNC x 2.00 LG. GR 8
6	F040624	2	HEX BOLT 3/8-16UNC x 2-1/2 LG.
7	F040824	2	BOLT - 1/2 UNC X 2 1/2 Gr 8
8	F050420	4	EYEBOLT 1/4"-20 UNC
9	F110610	2	SET SCREW - 3/8 UNC x 1 SQ HD CUP PT
10	F210600	6	HEX LOCK NUT - 3/8 -16 UNC
11	F210800	2	NUT-1/2 UNC NYLOC
12	F220600	2	HEX JAM NUT - 3/8 UNC
13	F230800	6	HEX NUT - 1/2 UNC - ZINC PLATED
14	F270800	2	1/2-20 UNF NYLOC JAM NUT
15	F310608	2	WASHER - 3/8 LOCK Gr 8
16	F320800	10	1/2 USS FLAT WASHER ZN PL
17	F330608	2	WASHER - 3/8 SAE Gr 8
18	F330800	5	1/2 SAE FLAT WASHER
19	F940312	1	SPRING PIN 3/16 x 1.25
20	G8084	1	QUICK LINK CHAIN 3/16
21	H101032	1	STARTER HANGER STRAP
22	KM11400	8	STRAIGHT GREASE FITTING
23	KM71015	2	BUNGEE 15"
24	KS20005	1	SPRING TENSION, 6.875
25	KS60002	4	BUMPER SPINDLE 3/8-UNC x 2.50 Lg 3.50 OAL
26	R101660	4	STARTER TRAY WEIGHT
27	R101803	2	MESH STARTER TRAY HANGER STRAP - CURRENT FROM S/N 36
28	R102004	1	MESH TRAY STRAP ADAPTER - LH
29	R102005	1	MESH TRAY STRAP ADPATER - RH
30	R300186	1	24 IN MESH STARTER TRAY W/A
	R300185	1	16/18 IN MESH STARTER TRAY W/A
31	R300190	1	24" STARTER GATE W/A
	R300189	1	16/18" STARTER GATE W/A
32	R300191	1	STARTER GATE ARM W/A LH
33	R300192	1	STARTER GATE ARM W/A RH
34	R300194	1	24" STARTER PIVOT SHAFT W/A
	R300193	1	16/18" STARTER PIVOT SHAFT W/A
35	R300345	1	24" (MESH) STARTER TRAY SHAFT W/A
	R300344	1	16/18" (MESH) STARTER TRAY SHAFT W/A
36	R300358	2	MESH TRAY ARM W/A FOR STRAP - CURRENT FROM S/N 36
	R300187	1	MESH TRAY W/A LH - NON CURRENT UP TO S/N 35
	R300188	1	MESH TRAY W/A RH - NON CURRENT UP TO S/N 35
37	R300366	3	CONVEYOR SUSPENDER ADJUSTER MESH TRAY - CURRENT FROM S/N 36



Brouwer 4000 Sod Harvester

Index Conveyor Complete Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	301691	3	FRICION WASHER 3/8
2	8-10-070120	1	FITTING - STRAIGHT THREAD O-RING - SAE 37° FLARE
3	8-10-070220	1	FITTING 1/2 STRAIGHT THRD O-RING 90° ELBOW
4	A500299	1	E-STOP BOX ASSEMBLY
5	B100874	1	INDEX CONVEYOR SCRAP GUARD
6	B101066	1	FLAP CONTROL CYLINDER END
7	B300069	1	FRONT INDEX CONVEYOR SUPPORT 24 IN.
	B300039	1	FRONT INDEX CONVEYOR SUPPORT 16 IN.
8	B300072	1	REAR INDEX CONVEYOR MOUNT 24 IN.
	B300040	1	REAR INDEX CONVEYOR MOUNT 16 IN.
9	B300076	1	INDEX CONVEYOR MOTOR GUARD
10	B300186	1	INDEX CONVEYOR GUARD
11	B300187	1	INDEX CONVEYOR SIDE GUARD
12	B300190	1	FLAP CONTROL ADJUSTMENT HANDLE
13	B300191	1	FLAP CONTROL STOP PIN
14	B500045	1	INDEX CONVEYOR 24 IN. ASSEMBLY (SEE PG. 1-17)
	B500019	1	INDEX CONVEYOR 16 IN. ASSEMBLY (SEE PG. 1-17)
15	B500132	1	ROLL FLAP CONTROL ASSEMBLY 24 IN. (SEE PG. 1-15)
	B500131	1	ROLL FLAP CONTROL ASSEMBLY 16 IN. (SEE PG. 1-15)
16	B500135	1	ROLL FLAP CONTROL CYLINDER
17	F020612	8	CARRIAGE BOLT - 3/8 UNC x 1 1/4
18	F020616	2	CARRIAGE BOLT 3/8-16 x 1.75 LG.
19	F020836	2	CARRIAGE BOLT - 1/2 UNC X 3 3/4
20	F030620	1	BOLT-3/8 UNC X 2 FULL THRD GR 8
21	F040406	4	BOLT 1/4 UNC x 3/4 Gr 8
22	F040510	4	HEX BOLT - 5/16 - 18 UNC x 1.0 LG. GR. 8
23	F040614	2	HEX HD BOLT - 3/8-16 UNC x 1.50 GR 8
24	F040922	1	HEX BOLT 9/16 UNC x 2.25 LG. GR 8
25	F210400	2	1/4-20 UNC NYLOC NUT
26	F210500	3	NUT-5/16 UNC NYLOC
27	F210600	12	HEX LOCK NUT - 3/8 -16 UNC
28	F210800	2	NUT-1/2 UNC NYLOC
29	F210900	1	HEX NUT - 9/16 UNC NYLOC
30	F220800	1	HEX JAM NUT - 1/2 - 13 UNC
31	F230600	2	NUT - 3/8-16
32	F310400	2	WASHER - 1/4 LOCK
33	F310500	4	LOCK WASHER - 5/16
34	F320500	4	FLAT WASHER - 5/16
35	F330400	6	1/4 SAE FLAT WASHER
36	F330600	16	FLAT WASHER SAE 3/8
37	F330800	2	1/2 SAE FLAT WASHER
38	F330908	2	WASHER-9/16 SAE GR 8
39	F331200	1	SAE FLAT WASHER - 3/4 IN.
40	F570110	2	PAN HD PHIL 8-32 X 1.00 LG. ST STL
41	F870510	3	BOLT FLANGE HEAD 5/16 - 18 X 1.0 Lg
42	F940312	1	SPRING PIN 3/16 x 1.25
43	KB11205	2	BUSHING - IGUS 0.375 I.D. X 0.50 O.D. X 0.625 LG.
44	KB11206	2	IGUS FLANGED BUSHING 0.375 I.D. x 0.50 O.D. x 0.375 LG.
45	KB11608	5	FLANGED BUSHING 0.50 I.D. x 0.625 O.D. x 0.625 LG.
46	KB12008	1	IGUS THRUST WASHER 0.50
47	KD71510	1	SPROCKET #40 CHAIN 15 TOOTH 1.00 BORE
48	KE10278	2	GROMMET - 1.75 O.D. x 1.00 I.D. x 0.25 THK. GROOVE
49	KH30007	1	CONVEYOR MOTOR
50	KM11400	1	STRAIGHT GREASE FITTING
51	KM99083	3	LEVER LATCH - C2 LOCKING
52	KS10065	1	COMPRESSION SPRING - 0.938 O.D. x 0.080 WIRE DIA. X 2.03 LG.
53	KS60007	1	RUBBER BUMPER - 1.50 x 0.81 x 3/8 THREAD
54	Q8430-29.50	1	#40 CHAIN 29.50"
55	B101639	1	SECONDARY CAMERA MOUNT (OPTIONAL)
56	KE70038	1	CAMERA ELITE, HEATD, ULTRA LOW LIGHT (OPTIONAL)
57	B300322	1	FLAP CONTROL LOCK ACCESSORY - CURRENT FROM SER. # 132



Brouwer 4000 Sod Harvester
10" LG Mesh Starter Tray 16 & 24 IN.

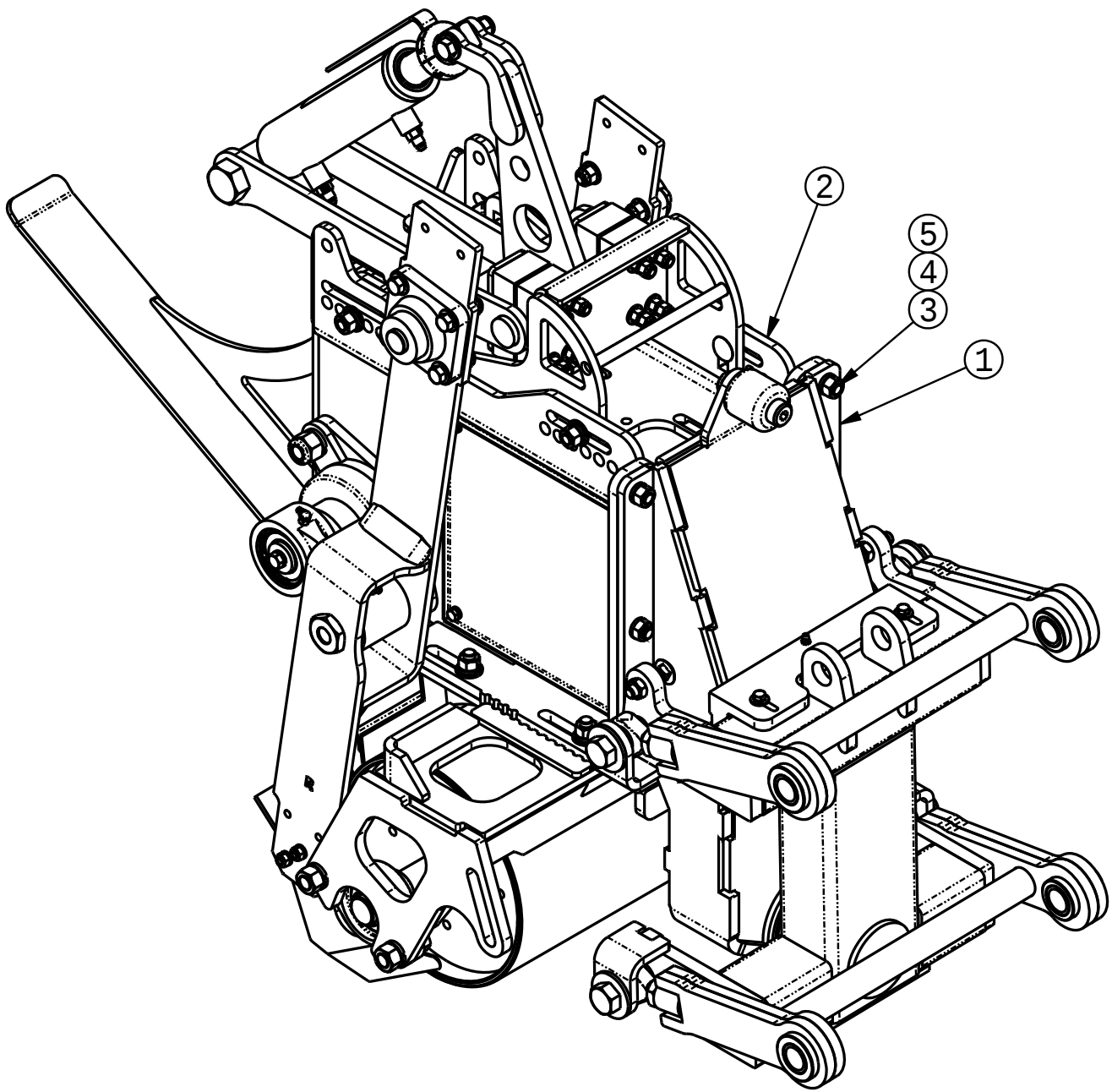
R500454 - 24 IN. - 10" LG Mesh Starter Tray Assembly

R500452 - 16 IN. - 10" LG Mesh Starter Tray Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	001279	3	SPRING, SCRAPER BLADE
2	4139946	1	LINK ARM W/A LH
3	4139958	1	ROLLUP FLAG W/A
4	6115826	1	STARTER GATE 24"
	6115825	1	STARTER GATE 16/18"
5	6115857	1	LINK ARM W/A RH
6	6115861	2	STARTER TRAY STOP
7	6115892	1	ROD, STARTER TRAY PIVOT 24"
	6115891	1	ROD, STARTER TRAY PIVOT 16/18"
8	F020812	2	CARRIAGE BOLT 1/2 UNC x 1.1/4 LG
9	F040406	1	BOLT 1/4 UNC x 3/4 Gr 8
10	F040506	2	BOLT - 5/16 UNC x 3/4 Gr 8
11	F040620	4	BOLT - HEX HD 3/8-16 UNC x 2.00 LG. GR 8
12	F040624	2	HEX BOLT 3/8-16UNC x 2-1/2 LG.
13	F040824	2	BOLT - 1/2 UNC X 2 1/2 Gr 8
14	F050420	2	EYEBOLT 1/4"-20 UNC
15	F110610	4	SET SCREW - 3/8 UNC x 1 SQ HD CUP PT
16	F210600	4	HEX LOCK NUT - 3/8 -16 UNC
17	F210800	2	NUT-1/2 UNC NYLOC
18	F220600	4	HEX JAM NUT - 3/8 UNC
19	F230800	6	HEX NUT - 1/2 UNC - ZINC PLATED
20	F270800	2	1/2-20 UNF NYLOC JAM NUT
21	F310508	2	LOCK WASHER - 5/16 Gr 8
22	F310608	2	WASHER - 3/8 LOCK Gr 8
23	F320800	16	1/2 USS FLAT WASHER ZN PL
24	F330608	4	WASHER - 3/8 SAE Gr 8
25	F330800	5	1/2 SAE FLAT WASHER
26	F940116	2	HITCH PIN CLIP 1 3/16 IN. OAL 3/8 TO 1/2 SHAFT
27	G8084	2	QUICK LINK CHAIN 3/16
28	H101032	1	STARTER HANGER STRAP
29	KM11400	8	STRAIGHT GREASE FITTING
30	KS60002	3	BUMPER SPINDLE 3/8-UNC x 2.50 Lg 3.50 OAL
31	KX00616	2	CLEVIS PIN - 3/8 DIA X 1.75 LG. (ZINC COATED)
32	R101660	4	STARTER TRAY WEIGHT
33	R101803	2	MESH STARTER TRAY HANGER STRAP
34	R102004	1	MESH TRAY STRAP ADPATER - LH
35	R102005	1	MESH TRAY STRAP ADPATER - RH
36	R300366	3	CONVEYOR SUSPENDER ADJUSTER MESH TRAY
37	R300409	1	24" BROUWER MESH TRAY W/A (10" MESH LENGTH)
	R300415	1	16" BROUWER MESH TRAY W/A (10" MESH LENGTH)
38	R300410	1	OFFSET ARM W/A - LH (BROUWER MESH TRAY)
39	R300411	1	OFFSET ARM W/A - RH (BROUWER MESH TRAY)
40	R300412	1	24" PIVOT ROD W/A (10" LG BROUWER MESH TRAY)
	R300416	1	16" PIVOT ROD W/A (10" LG BROUWER MESH TRAY)

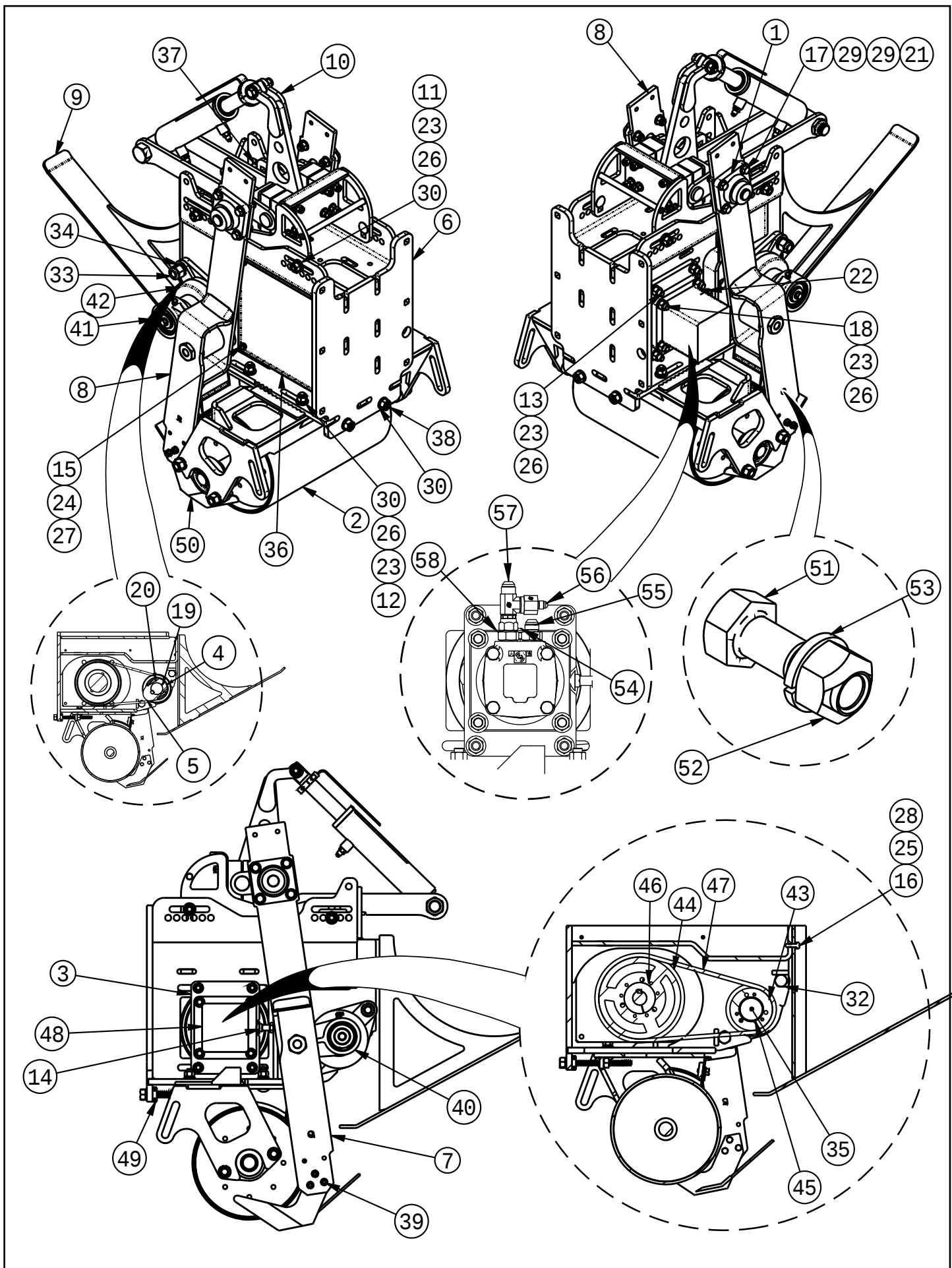
SECTION 2 CUTTER HEAD

Cutter Head Linkage	2-01
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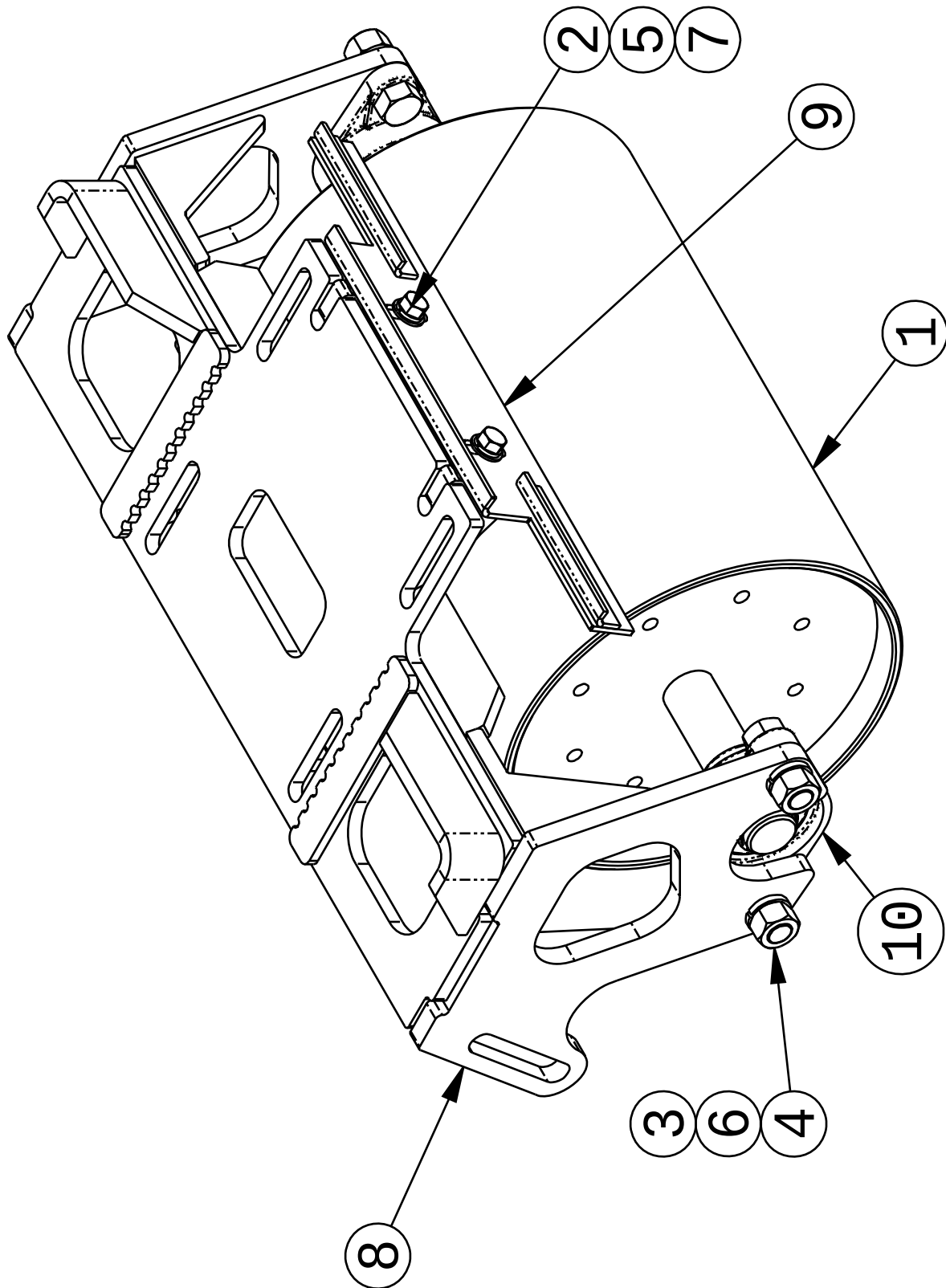
**Brouwer 4000 Sod Harvester
Cutter Head Linkage Assembly**

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B500076	1	SPINDLE AND HUB ASSEMBLY 16 IN.
	B500077	1	SPINDLE AND HUB ASSEMBLY 24 IN.
2	B500092	1	4000 HEAD ASSEMBLY 16 IN.
	B500093	1	4000 HEAD ASSEMBLY 24 IN.
3	F020814	6	CARRIAGE BOLT 1/2 UNC x 1.1/2 LG
4	F230800	6	HEX NUT - 1/2 UNC - ZINC PLATED
5	F330800	6	FLATWASHER SAE - 1/2



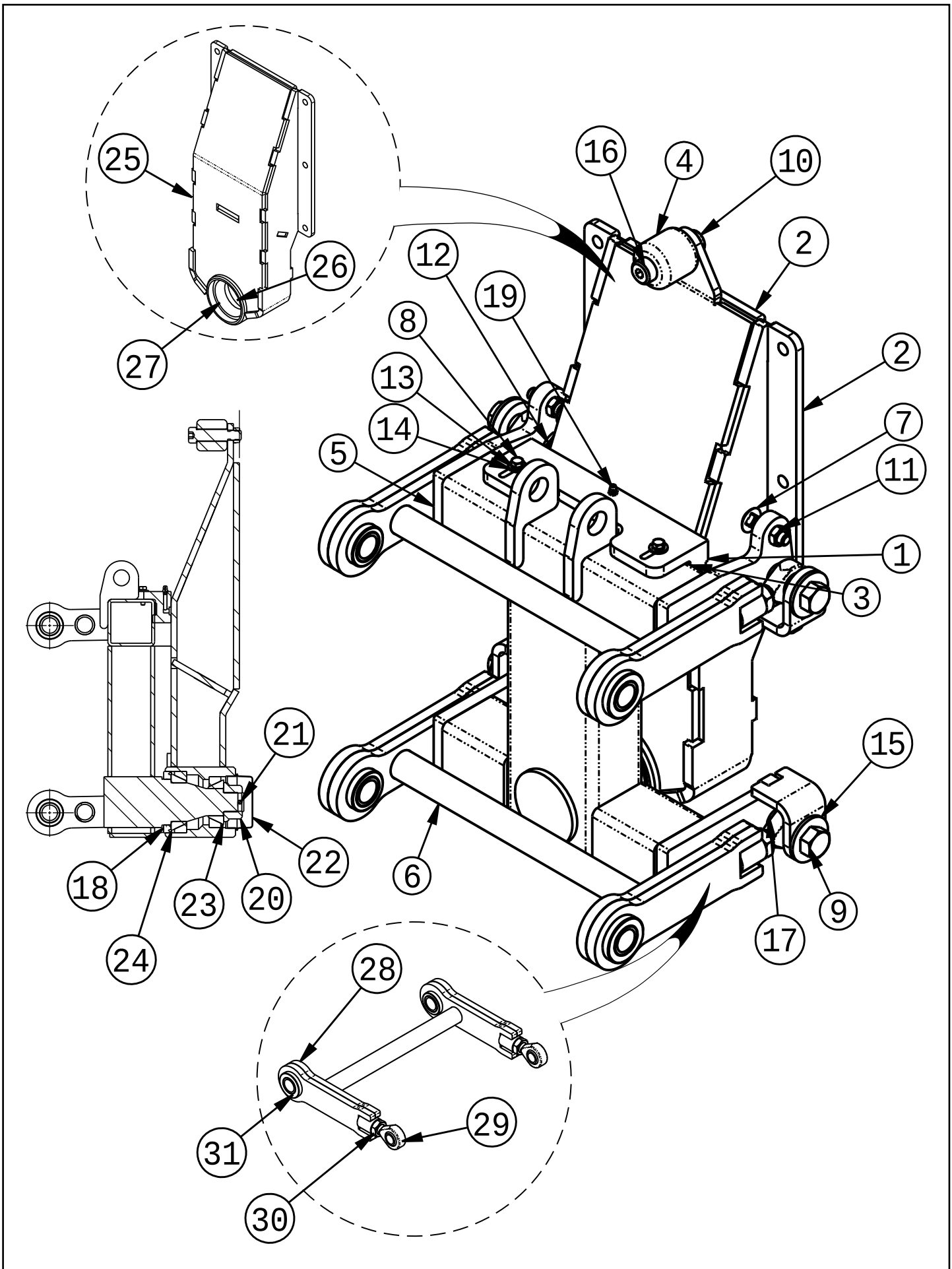
Brouwer 4000 Sod Harvester Cutter Head Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	55-FB22016	2	BEARING - 4 BOLT - 1.0 Dia
2	A500302	1	GROUND ROLLER ASSEMBLY 16 IN.
	A500303	1	GROUND ROLLER ASSEMBLY 24 IN.
3	B100239	1	MOTOR MOUNT PLATE
4	B100986	2	CRANK WEIGHT ATTACHMENT - NON CURRENT
5	B100987	2	CRANK WEIGHT - NON CURRENT
6	B300031	1	PIVOTING HEAD FRAME 16/18 IN. WELDMENT
7	B300155	1	CUTTER ARM LH 10 IN. DIA. ROLLER STANDARD BEARING
8	B300156	1	CUTTER ARM RH 10 IN. DIA. ROLLER STANDARD BEARING
9	B300171	1	SOD STABILITY BRACKET
10	B500196	1	DEPTH ADJUSTER ASSEMBLY 16 IN. BEARING
	B500197	1	DEPTH ADJUSTER ASSEMBLY 24 IN. BEARING
11	F020814	4	CARRIAGE BOLT 1/2 UNC x 1.1/2 LG
12	F020816	4	CARRIAGE BOLT - 1/2 UNC x 1.75 LG.
13	F020820	4	CARRIAGE BOLT 1/2 UNC x 2.0 LG
14	F020824	1	CARRIAGE BOLT - 1/2 -13 X 2.50 LG.
15	F040406	3	BOLT 1/4 UNC x 3/4 Gr 8
16	F040510	2	BOLT - 5/16 UNC x 1.0 Gr 8
17	F040716	8	BOLT - 7/16 UNC x 1 3/4 Gr 8
18	F040820	4	BOLT - 1/2 UNC x 2.0 Gr 8
19	F140503	2	SET SCREW - 5/16 -18 UNC x 3/8 CUP PT - NON CURRENT
20	F180610	4	SOC HD CAP - 3/8 UNC x 1.00 LG. - NON CURRENT
21	F210700	8	HEX LOCK NUT - 7/16 UNC
22	F220800	1	HEX JAM NUT - 1/2 - 13 UNC
23	F230800	16	HEX NUT - 1/2 UNC - ZINC PLATED
24	F310400	3	WASHER - 1/4 LOCK
25	F310500	2	LOCK WASHER - 5/16
26	F310800	16	LOCK WASHER - 1/2
27	F330400	3	1/4 SAE FLAT WASHER
28	F330500	2	5/16 SAE WASHER
29	F330700	16	7/16 SAE FLAT WASHER
30	F330800	10	1/2 SAE FLAT WASHER
31	F928810	2	KEY 1/2 x 1/2 x 1.00 LG. - NON CURRENT
32	G0818060	4	HEX BOLT M18-1.5 x 60 mm LG. GR 10.9 ZN PL
33	G211850	4	NYLOC NUT - M18 -1.5
34	G311800	4	LOCK WASHER - M18
35	H100015	1	CRANK SHAFT 16 IN. CUTTER
	H100155	1	CRANK SHAFT 24 IN. CUTTER
36	H100197	1	CUTTING HEAD BELT GUARD
37	H100594	2	SHIM, DEPTH ADJUSTER MTG
38	H300029	2	GROUND ROLLER ADJUSTER
39	H500200	6	CUTTER BLADE BOLT ASSEMBLY
40	H500373	1	CONNECTING ROD ASSEMBLY
41	H500373	1	CONNECTING ROD ASSEMBLY
42	KB32033	2	FLANGE BEARING 2.00 DIA. HEAVY HOUSING
43	KD33450	1	SHEAVE - TAPER LOCK, 3"3V" BELT x 4.45 PD - CURRENT
	KD22041	1	SPROCKET 41 TOOTH - NON CURRENT
44	KD33800	1	SHEAVE, TAPER LOCK, 3"3V" BELT x 8.00 PD - CURRENT
	KD22075	1	SPROCKET 75 TOOTH - NON CURRENT
45	KD52020	1	SPLIT TAPER LOCK BUSHING SDS-2.00 - CURRENT
	KD52050	1	TAPER LOCK BUSHING TB 2012 2 - NON CURRENT
46	B101437	1	MODIFIED 1.25 BUSHING W/ 5/16 KEY - CURRENT
	KD52051	1	TAPER BUSHING 1 1/4 - NON CURRENT
47	KD62401	1	BANDED 3 V-BELT 3VX - 400 - CURRENT
	KD61121	1	POLYCHAIN BELT - CUTTER MOTOR - NON CURRENT
48	KH30056	1	CUTTER MOTOR
49	KM10051	2	LOCK COLLAR - 0.50 IN. 2 PIECE
50	KR16030	1	CUTTER BLADE 16 IN. POINTED W/ FINGERS
	KR24030	1	CUTTER BLADE 24 IN. POINTED W/ FINGERS
51	F090510S	6	HEX HEAD 5/16-24 GR.8 1.00 LG. - 0.50 THREAD
52	F210558	6	TOP LOCK NUT 5/16-24
53	F310500	6	LOCK WASHER - 5/16
54	4-4-070120	1	FITTING #4 JIC TO #4 ORB - CURRENT FROM S/N 82
55	8-10-070120	1	FITTING - STRAIGHT THREAD O-RING - SAE 37° FLARE
56	8-4-070123	1	FITTING - REDUCER - SAE 37° (JIC) FLARE-TWIN - CURRENT FROM S/N 82
57	8-8-8-070432	1	FITTING 1/2 SWIVEL NUT RUN TEE - CURRENT FROM S/N 82
58	B500468	1	CUTTER MOTOR ORIFICE - CURRENT FROM S/N 82



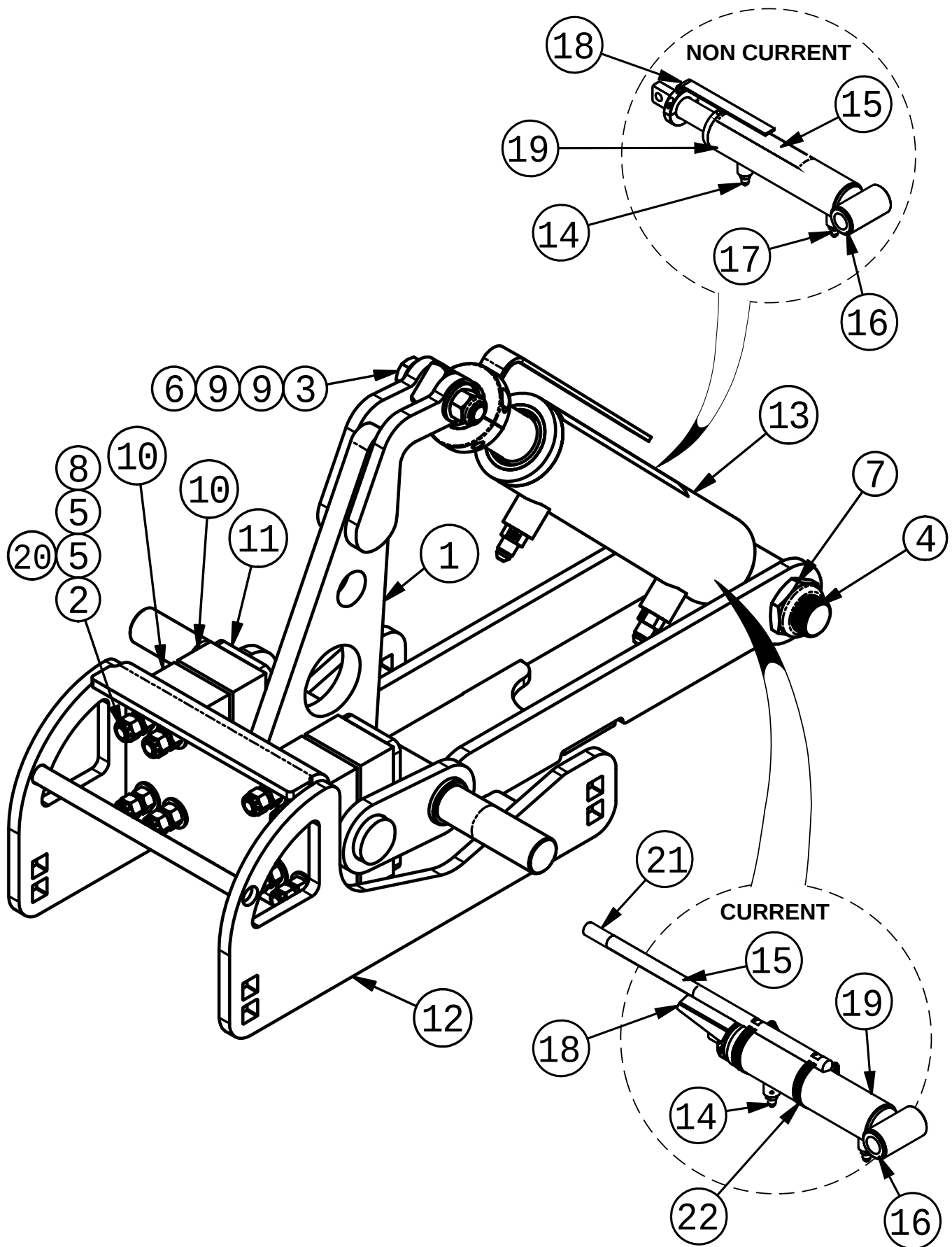
Brouwer 4000 Sod Harvester Ground Roller Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	A300293	1	GROUND ROLLER WELDMENT 10 IN. DIA. 16 IN. 2700
	A300295	1	GROUND ROLLER WELDMENT 10 IN. DIA. 24 IN. 2700
2	F040606	2	BOLT 3/8 UNC X 3/4 . Gr 8
3	F081016	4	HEX BOLT 5/8 -18 UNF X 1.75 LG. GR 8
4	F231050	4	5/8-UNF HEX NUT
5	F310600	2	LOCK WASHER - 3/8
6	F311000	4	LOCK WASHER - 5/8
7	F330600	2	FLAT WASHER SAE 3/8
8	H300170	1	ONE PIECE ROLLER BEARING BRACKET 16/18 IN. 10 IN. DIA.
	H300171	1	ONE PIECE ROLLER BEARING BRACKET 24 IN. 10 IN. DIA.
9	H300197	1	16 IN. SCRAPER BLADE WELDMENT 10 IN. DIA. ROLLER
	H300199	1	24 IN. SCRAPER BLADE WELDMENT 10 IN. DIA. ROLLER
10	KB32020	2	FLANGE BEARING 1.25 DIA. 2 BOLT



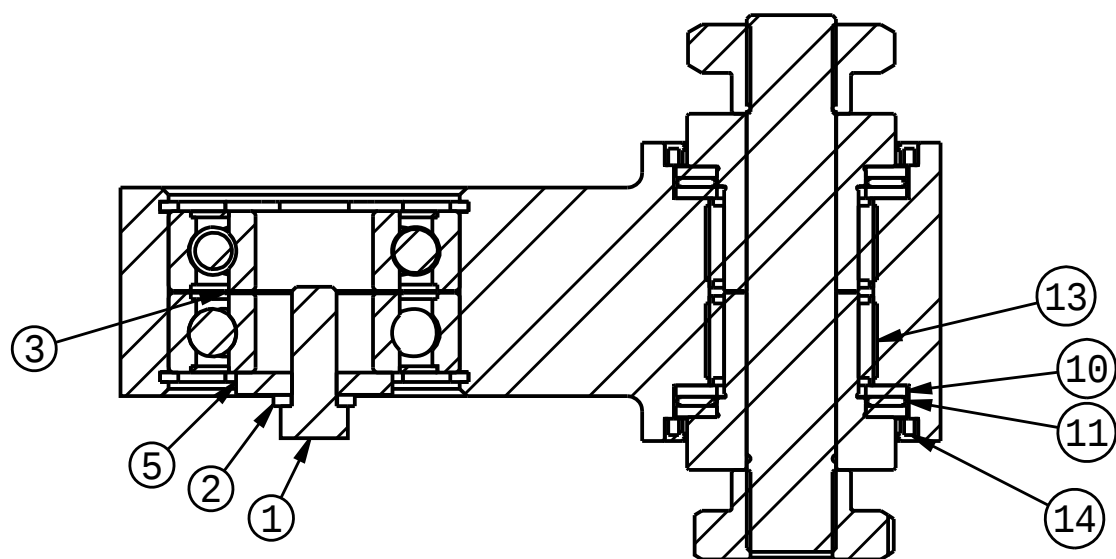
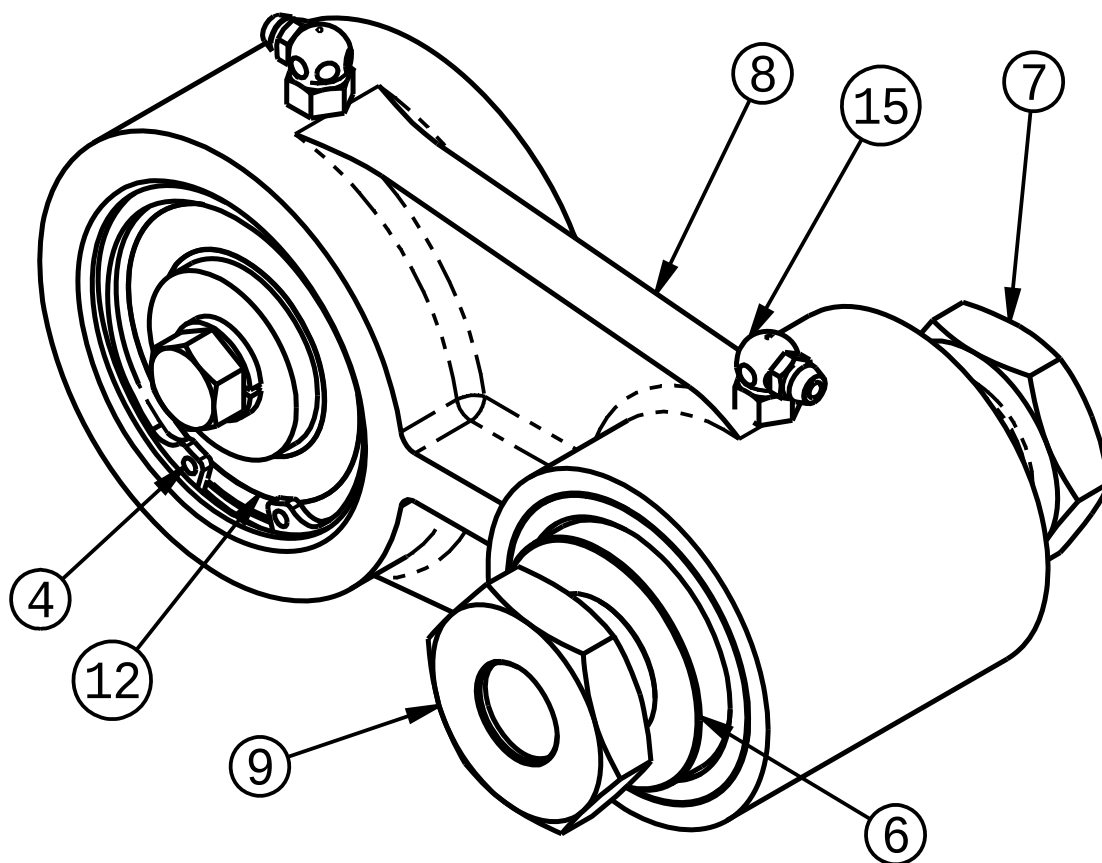
**Brouwer 4000 Sod Harvester
Spindle and Hub Assembly**

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	A100549	1	HEAD GUIDE LIFT SUPPORT
2	A500006	1	HUB SUB-ASSEMBLY CENTRE HEAD 16/18 IN.
	A500143	1	HUB ASSEMBLY 24 IN.
3	B100709	1	GUIDE BLOCK STIFFENER
4	B100994	1	HEAD GUIDE ROLLER
5	B300043	1	HEAD PIVOT SPINDLE WELDMENT
6	B500125	2	HEAD LINKAGE ASSEMBLY
7	F020820	2	CARRIAGE BOLT 1/2 UNC x 2.0 LG
8	F040410	2	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8
9	F041230	4	BOLT - 3/4 UNC X 3.0 Gr 8
10	F211000	1	JAM NUT-5/8 UNC NYLOC
11	F220800	2	HEX JAM NUT - 1/2 - 13 UNC
12	F271200	4	HEX NUT - 3/4-10 UNC NYLOC JAM
13	F310400	2	WASHER - 1/4 LOCK
14	F320400	2	WASHER-1/4
15	F321200	4	FLAT WASHER - 3/4
16	F501220	1	SHOULDER BOLT - 3/4 x 2.00
17	H110623	8	TIE ROD BALL END SPACER (4WD NH)
18	KB90014	1	MULTI-LIP SEAL - 2.938 I.D.
19	KM11400	1	STRAIGHT GREASE FITTING
20	KX20002	1	SLOTTED HEX FLANGE NUT 1 1/4 -12
21	KX20003	1	COTTER PIN
22	KX20004	1	DUST CAP
23	KX20016	1	OUTER CONE 4T-25581
24	KX20018	1	INNER CONE 28995
25	A500015	1	HUB MOUNT WELDMENT CENTER HEAD 16/18 IN.
	A300211	1	HUB MOUNT WELDMENT INSIDE HEAD 24 IN.
26	KX20017	1	OUTER CUP 4T-25520
27	KX20019	1	INNER CUP 28921
28	B300149	1	HEAD LINKAGE WELDMENT
29	CM00121	2	ROD END MALE 3/4 UNF R.H.
30	F221250	2	HEX JAM NUT - 3/4 UNF
31	KB11616	4	IGUS BUSHING Q2 1.00 I.D. x 1.25 O.D. x 0.75 LG.



Brouwer 4000 Sod Harvester
Depth Adjuster Assembly

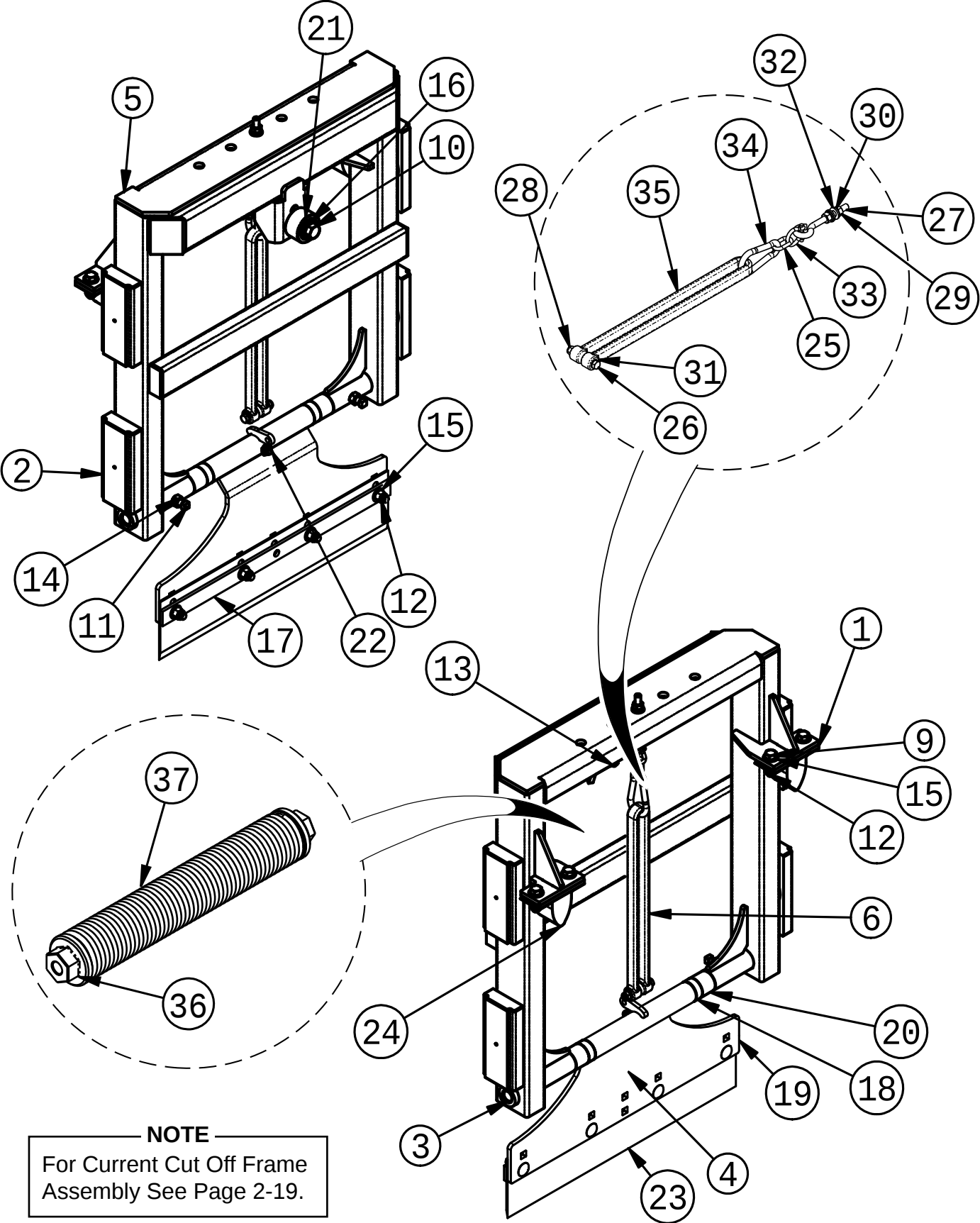
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B300208	1	TOP PIVOT 16 IN. BEARING
	B300209	1	TOP PIVOT 24 IN. BEARING
2	F020640	8	CARRIAGE BOLT - 3/8 -16 UNC x 4.00 LG.
3	F040822	1	BOLT - 1/2 UNC X 2 1/4 Gr 8
4	F081650	1	HEX BOLT - 1.00 -14 UNF x 5.00 GR 8
5	F210600	16	HEX LOCK NUT - 3/8 -16 UNC
6	F210800	1	NUT-1/2 UNC NYLOC
7	F271650	1	1.00-14 UNF NYLOC JAM NUT
8	F330600	8	FLAT WASHER SAE 3/8
9	F330800	2	1/2 SAE FLAT WASHER
10	H100028	2	PITCH ADJUST
11	H100029	2	PIVOT ADJUST CLAMP
12	H300008	1	PITCH ADJUST BRACKET 16/18 IN.
	H300032	1	PITCH ADJUST BRACKET 24 IN.
13	B500461	1	DEPTH CONTROL CYLINDER ASSY. - CURRENT
	H500075	1	DEPTH CONTROL CYLINDER ASSEMBLY - NON CURRENT
14	4-4-070120	2	FITTING - NO. 4 O-RING TO NO. 4 JIC
15	D001-055	1	DECAL DEPTH CONTROL
16	H100009	2	IGUS BUSHING
17	H100129	1	DEPTH CONTROL RESTRICTOR - NON CURRENT
18	B300277	1	CYLINDER DEPTH INDICATOR - CURRENT
	H300028	1	CYLINDER DEPTH INDICATOR HARVESTER - N/C
19	H500001	1	DEPTH CONTROL CYLINDER
20	F230600	8	NUT 3/8-16 (ONLY USED ON 24 IN.)
21	002447	1	DEPTH INDICATOR ROD - CURRENT
22	KU03025	2	GEAR CLAMP HS-44 - CURRENT



**Brouwer 4000 Sod Harvester
Connecting Rod Assembly**

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	F040610	1	BOLT - 3/8 UNC x 1.0 Gr 8
2	F310600	1	LOCK WASHER - 3/8
3	F381014	1	SHIM WASHER - 1.50 x 1.00 x 0.020 THK.
4	F815244	2	INTERNAL RETAINING RING - 2 7/16
5	H100045	1	RETAINER WASHER CONNECTING ROD
6	H100245	2	NEEDLE AXLE
7	H100246	1	NEEDLE NUT CONNECTING ROD
8	H100672	1	CONNECTING ROD CUTTER
9	H300055	1	TIE BOLT WELDMENT
10	KB12031	4	THRUST WASHER - 1.937 O.D. x 1.25 I.D.
11	KB42031	2	THRUST BEARING - 1.937 O.D. x 1.25 I.D.
12	KB50002	2	DEEP GROOVE BALL BEARING 25 mm
13	KB51812	2	NEEDLE ROLLER BEARING
14	KH80011	2	SHAFT SEAL - 1.75 I.D. x 2.125 O.D.
15	KM11490	2	GREASE FITTING - 1/4 -28 90°

Cut Off Frame Assembly - NON CURRENT up to Serial #40



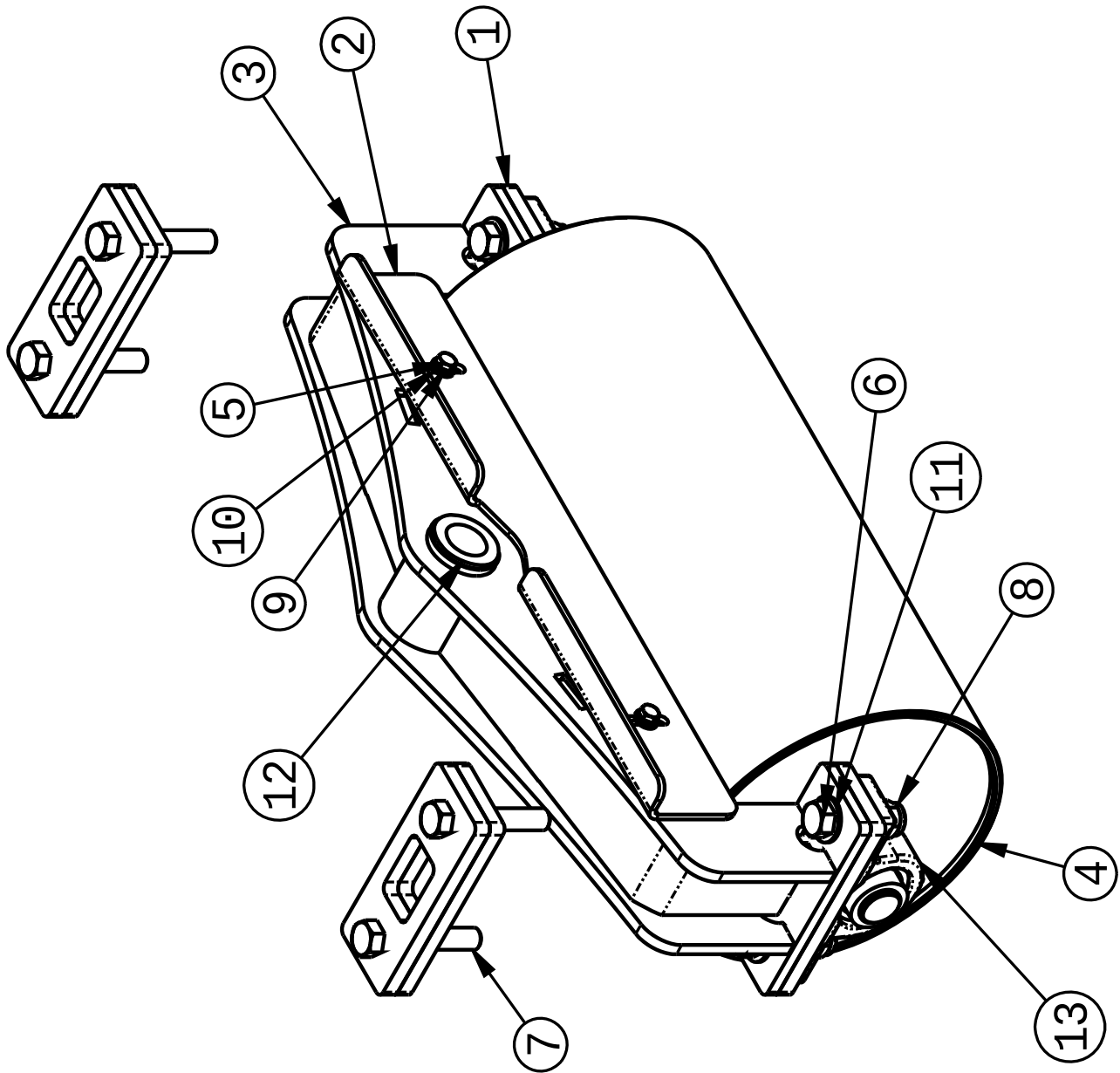
NOTE
For Current Cut Off Frame Assembly See Page 2-19.

Brouwer 4000 Sod Harvester
Cut Off Frame Assembly - NON CURRENT up to Serial #40

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	4134973	2	UPPER BUMPER BRACKET
2	A100747	4	BED SCISSOR & CUT OFF SLIDER BLOCK
3	B100832	1	CUT OFF PIVOT SHAFT 16 IN.
	B100833	1	CUT OFF PIVOT SHAFT 24 IN.
4	B300238	1	BLADE HOLDER 16 IN. CURRENT FROM SERIAL #33
	B300239	1	BLADE HOLDER 24 IN. CURRENT FROM SERIAL #33
	B300048	1	BLADE HOLDER NON CURRENT UP TO SERIAL #32
	B100992	1	BLADE HOLDER 16 IN. NON CURRENT UP TO SERIAL #32
	B100993	1	BLADE HOLDER 24 IN. NON CURRENT UP TO SERIAL #32
5	B300142	1	CUT OFF FRAME 16 IN. - NON CURRENT UP TO SERIAL #40
	B300143	1	CUT OFF FRAME 24 IN. - NON CURRENT UP TO SERIAL #40
6	B500147	1	CUT OFF RETURN BUNGEE ASSEMBLY - N/C UP TO S/N 40
7	F020610	4	BOLT -3/8 UNC X 1 CAR. NON CURRENT UP TO SERIAL #32
8	F020612	5	CARRIAGE BOLT - 3/8 UNC x 1 1/4
9	F040612	4	BOLT - 3/8 UNC x 1 1/4 Gr 8
10	F040824	1	BOLT - 1/2 UNC X 2 1/2 Gr 8
11	F110606	2	SET SCREW SQ HD CUP POINT
12	F210600	13	HEX LOCK NUT - 3/8 -16 UNC
13	F210800	1	NUT-1/2 UNC NYLOC
14	F230600	2	NUT - 3/8-16
15	F330600	17	FLAT WASHER SAE 3/8
16	F330800	3	1/2 SAE FLAT WASHER
17	H100110	1	BLADE CLAMP 16 IN.
	H100169	1	BLADE CLAMP 24 IN.
18	H100306	2	CASTOR PIVOT SPACER
19	H100469	1	BLADE HOLDER 16 / 18 IN.
20	H100511	2	FRONT FRAME SPACER
21	KB12127	1	CAM FOLLOWER 1.75 O.D.
22	KM11490	1	GREASE FITTING - 1/4 -28 90°
23	KR16001	1	CUT OFF BLADE
	KR24001	1	STRAIGHT CUT OFF BLADE 24 IN.
24	KS60001	2	BUMPER REBOUND
25	B101219	1	CHAIN LINK 3/16
26	F040420	1	HEX BOLT - 1/4-20 UNC x 1.00 GR.8
27	F050540	1	BENT EYE BOLT - 5/16 UNC x 4.0 OVERALL LENGHT
28	F210400	1	1/4-20 UNC NYLOC NUT
29	F230500	2	HEX NUT - 5/16-18 UNC
30	F310500	2	LOCKWASHER 5/16
31	F330400	2	1/4 SAE FLATWASHER
32	F330500	2	5/16 SAE WASHER
33	KC01002	1	3/16 SHACKLE - 1/2 TONNE WORKING LOAD
34	KC01035	1	FIREMAN SNAP 5/16 (8mm)
35	KM70024	1	POLYSTRAP 24 IN. RED
36	A100927	2	THREADED INSERT CUT OFF SPRING
37	B100333	1	EXTENSION SPRING CUT OFF

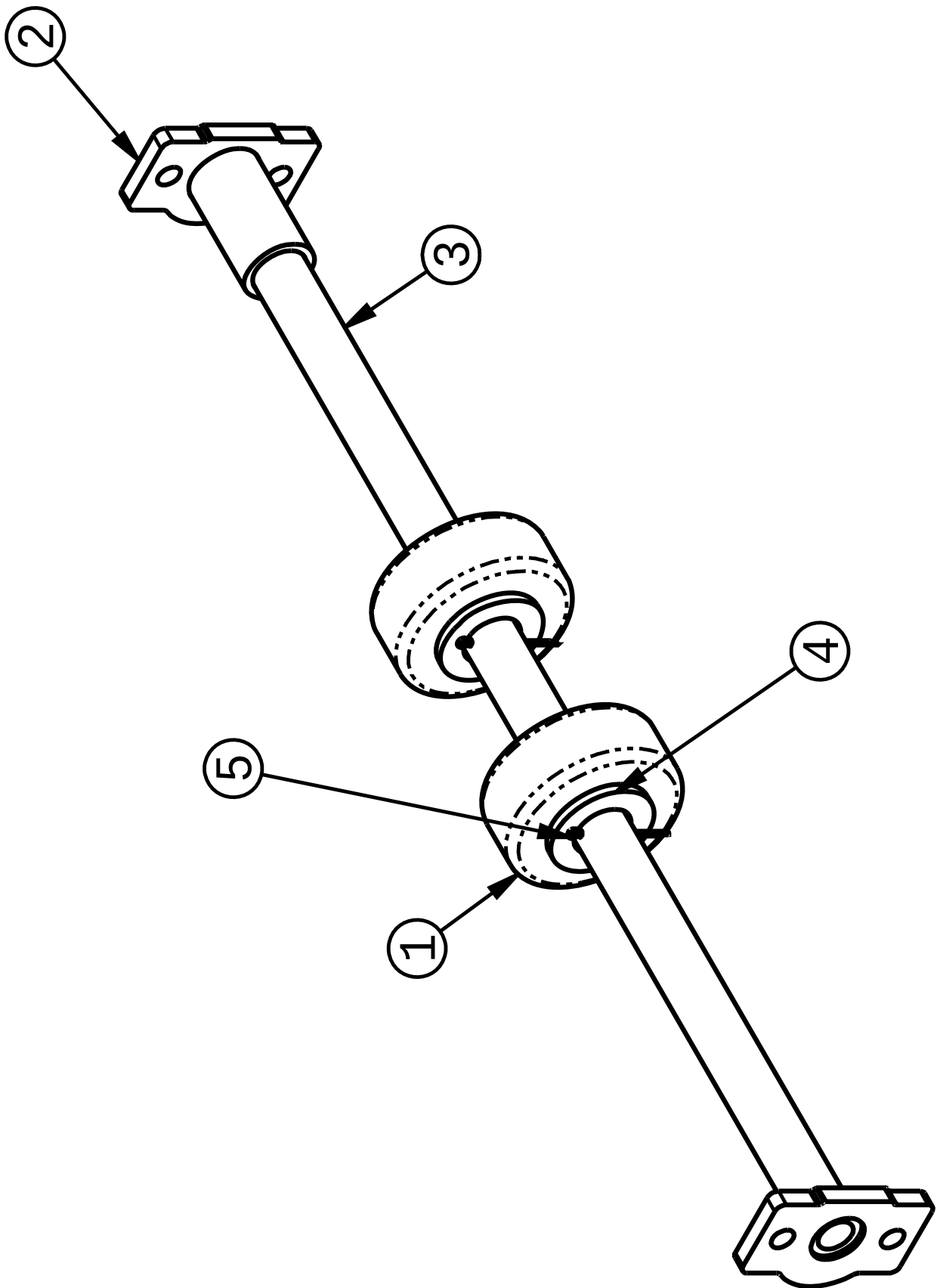
NOTE

For Current Cut Off Frame Assembly See Page 2-19.



Brouwer 4000 Sod Harvester
Front Roller Assembly

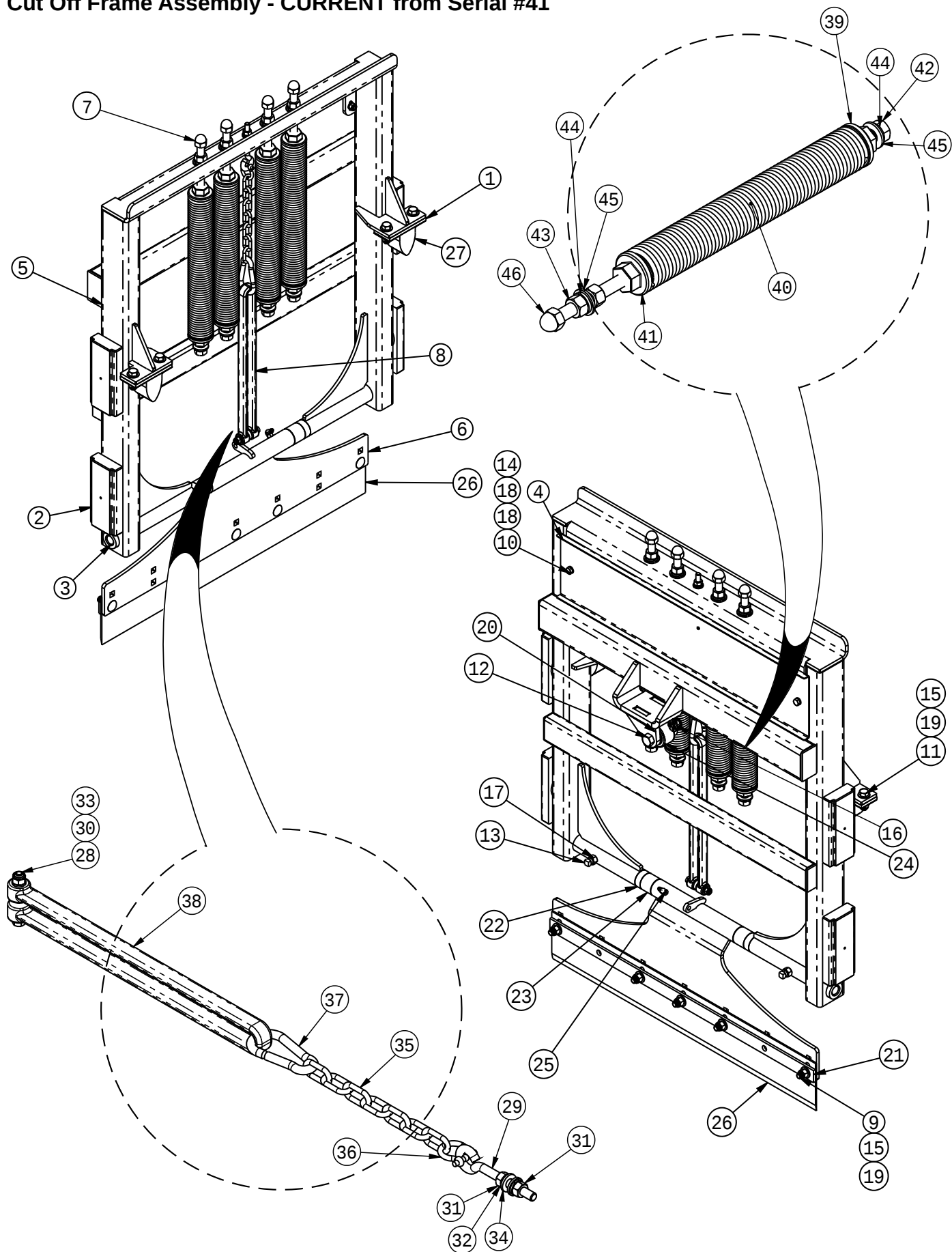
ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B100327	6	FRONT ROLLER SPACER PLATE
2	B100931	1	FRONT ROLLER SCRAPER 16 IN.
	B100932	1	FRONT ROLLER SCRAPER 24 IN.
3	B300140	1	FRONT ROLLER PIVOT BRACKET 16 IN.
	B300141	1	FRONT ROLLER PIVOT BRACKET 24 IN.
4	B300144	1	FRONT ROLLER WELDMENT 16 IN.
	B300145	1	FRONT ROLLER WELDMENT 24 IN.
5	F040506	2	BOLT - 5/16 UNC x 3/4 Gr 8
6	F041024	4	BOLT - 5/8 UNC X 2 1/2 Gr 8
7	F041034	4	HEX BOLT - 5/8 -11 UNC x 3.50 LG. GR 8
8	F211000	4	NUT-5/8 UNC NYLOC
9	F310500	2	LOCK WASHER - 5/16
10	F330500	2	5/16 SAE WASHER
11	F331000	8	FLAT WASHER SAE 5/8 IN.
12	KB11631	2	REACH ARM FLANGED BUSHING
13	KB30017	2	PILLOW BLOCK BEARING 1.25 BORE



Brouwer 4000 Sod Harvester
Blade Rebound Wheel Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B101278	2	BLADE REBOUND WHEEL
2	B300210	1	BLADE REBOUND COLLAR WELDMENT
3	B300211	1	BLADE REBOUND SHAFT 16 IN.
	B300212	1	BLADE REBOUND SHAFT 24 IN.
4	F331200	4	SAE FLAT WASHER - 3/4"
5	F910114	4	COTTER PIN 1/16 DIA X 1.50 LG

Cut Off Frame Assembly - CURRENT from Serial #41

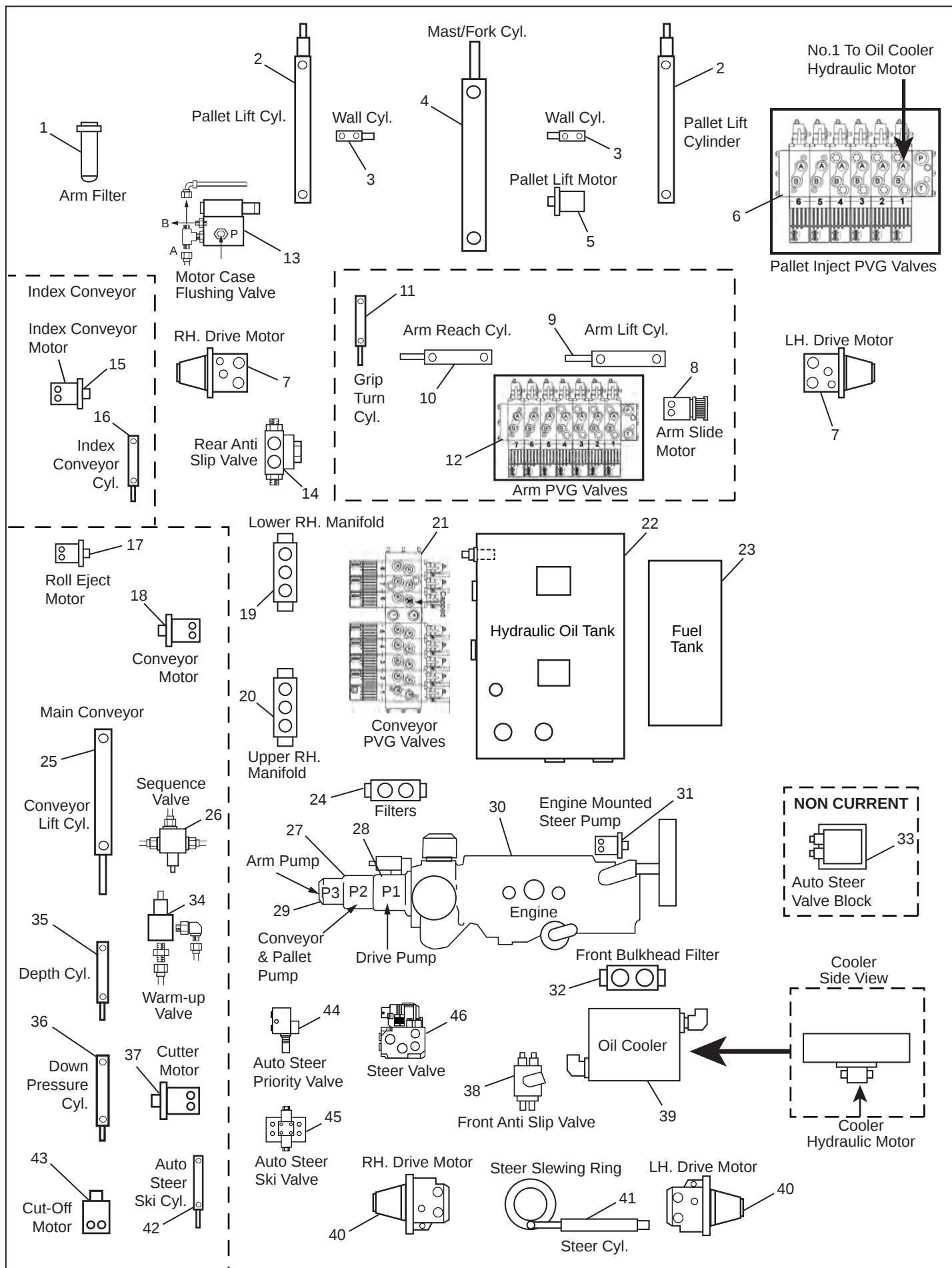


Brouwer 4000 Sod Harvester
Cut Off Frame Assembly - CURRENT from Serial # 41

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	4134973	2	UPPER BUMPER BRACKET
2	A100747	4	BED SCISSOR & CUT OFF SLIDER BLOCK
3	B100833	1	CUT OFF PIVOT SHAFT 24 IN.
	B100832	1	CUT OFF PIVOT SHAFT 16 IN.
4	B101368	1	CUT OFF UPPER GUARD 24 IN. - CURRENT from Serial # 41
	B101367	1	CUT OFF UPPER GUARD 16 IN. - CURRENT from Serial # 41
5	B300229	1	CUT OFF FRAME 24 IN. EXTENDED - CURRENT from Serial # 41
	B300228	1	CUT OFF FRAME 16 IN. EXTENDED - CURRENT from Serial # 41
6	B300239	1	BLADE HOLDER 24 IN.
	B300238	1	BLADE HOLDER 16 IN.
7	B500241	4	CUT OFF SPRING ASSEMBLY
8	B500246	1	CUT OFF RETURN BUNGEE ASSEMBLY - CURRENT from Serial # 41
9	F020612	5	CARRIAGE BOLT - 3/8 UNC x 1 1/4
10	F040406	2	BOLT 1/4 UNC x 3/4 Gr 8
11	F040612	4	BOLT - 3/8 UNC x 1 1/4 Gr 8
12	F040826	1	HEX HEAD 1/2 -13 UNC x 2.75 LG. GR 8
13	F110606	2	SET SCREW SQ HD CUP POINT
14	F210400	2	1/4-20 UNC NYLOC NUT
15	F210600	9	HEX LOCK NUT - 3/8 -16 UNC
16	F210800	1	NUT-1/2 UNC NYLOC
17	F230600	2	NUT - 3/8-16
18	F330400	4	1/4 SAE FLAT WASHER
19	F330600	13	FLAT WASHER SAE 3/8
20	F330800	3	1/2 SAE FLAT WASHER
21	H100169	1	CUT OFF BLADE CLAMP 24 IN.
	H100110	1	BLADE CLAMP
22	H100306	2	CASTOR PIVOT SPACER
23	H100511	2	FRONT FRAME SPACER
24	KB12127	1	CAM FOLLOWER 1.75 O.D.
25	KM11490	1	GREASE FITTING - 1/4 -28 90°
26	KR24001	1	STRAIGHT CUT OFF BLADE - 24 IN.
	KR16001	1	CUT OFF BLADE
27	KS60001	2	BUMPER REBOUND
28	F040420	1	HEX BOLT - 1/4 -20 UNC x 1.00 Gr 8
29	F050540	1	BENT EYE BOLT - 5/16 UNC x 4.0 OVERALL LENGTH
30	F210400	1	1/4-20 UNC NYLOC NUT
31	F230500	2	HEX NUT - 5/16-18 UNC
32	F310500	2	LOCK WASHER - 5/16
33	F330400	2	1/4 SAE FLAT WASHER
34	F330500	2	5/16 SAE WASHER
35	H100294	1	DROP CHAIN
36	KC01002	1	3/16 SHACKLE - 1/2 TONNE WORKING LOAD
37	KC01035	1	FIREMAN SNAP 5/16 (8 mm)
38	KS70024	1	POLYSTRAP 24 IN. RED
39	A100927	4	THREADED INSERT CUT OFF SPRING
40	B101366	4	ADJUSTABLE EXTENSION SPRING CUT OFF - CURRENT from S/N 41
41	B300230	4	UPPER SPRING TENSIONER - CURRENT from Serial # 41
42	F040812	4	BOLT - 1/2 UNC X 1 1/4 Gr 8
43	F230800	8	HEX NUT - 1/2 UNC - ZINC PLATED
44	F310800	8	LOCK WASHER - 1/2
45	F330800	8	1/2 SAE FLAT WASHER
46	F460800	4	ACORN NUT 1/2 -13 UNC NYLON 6-6

SECTION 3 HYDRAULIC SYSTEM

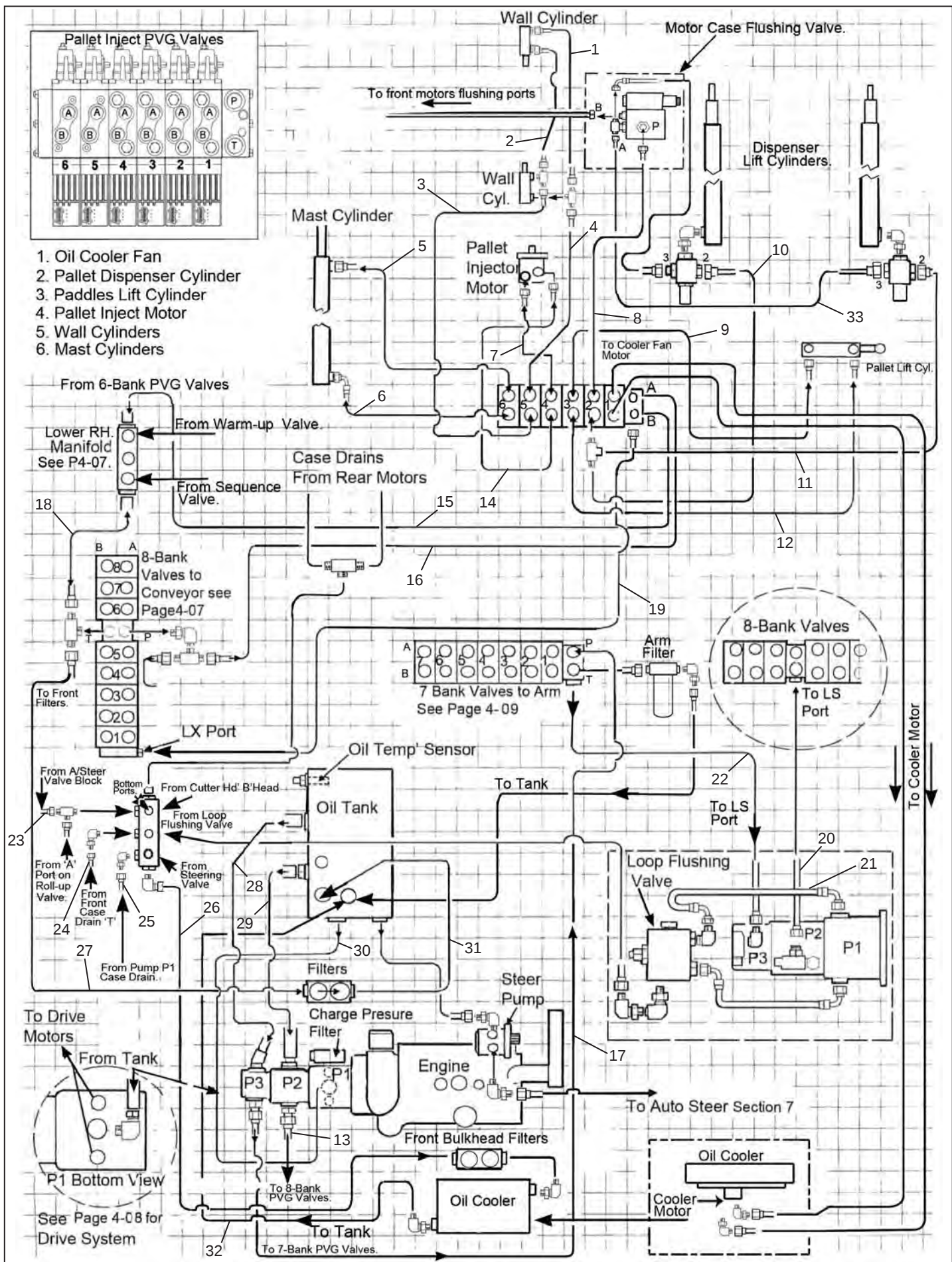
Hydraulic System – Components	3-01
Hydraulic System – Main Frame. Hose Assemblies	3-05
Hydraulic System – Main Frame. Fittings	3-07
Hydraulic System – Main Conveyor. Hose Assemblies	3-11
Hydraulic System – Main Conveyor. Fittings	3-13
Hydraulic System – Drive System. Hose Assemblies	3-15
Hydraulic System – Drive System. Fittings	3-17
Hydraulic System – Robotic Arm. Hose Assemblies	3-19
Hydraulic System – Robotic Arm. Fittings	3-21
Hydraulic Tank Assembly	3-23
Hydraulic Valve Banks	3-25
Filters	3-27



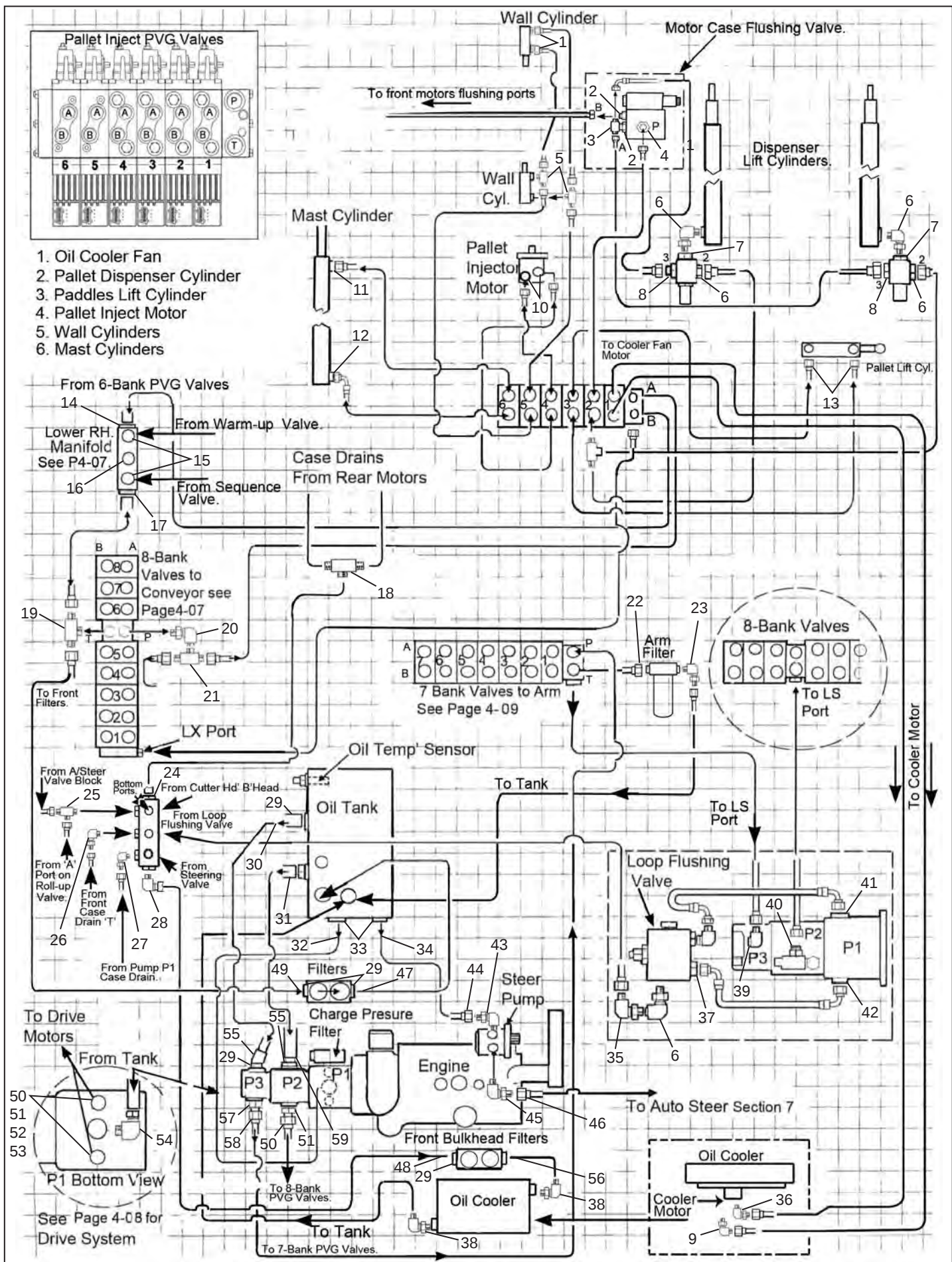
ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic System Components	
1		Arm Filter Assembly	1
	KH40090	Arm Filter Element	1
	KH40091	Arm Filter Head	1
2	B500086	Pallet Lift Cylinder Assembly	2
	KH70128	Seal Kit. Pallet Lift Cylinder	1
3	4128723	Wall Cylinder	2
		Seal Kit. Wall Cylinder	1
4	A500003	Mast/Fork Cylinder	1
		Seal Kit. Mast/Fork Cylinder	1
5	KH30027	Pallet Lift Motor	1
6	KH20240	6-Bank Valve Block	1
7	KH30054	Drive Motor - Back	2
8	KH30056	Arm Side Motor	1
9	B5002186	Arm Lift Cylinder Assembly - Current from Serial # 35	1
		Seal Kit. Arm Lift Cylinder	1
	B500089	Arm Lift Cylinder Assembly - Non Current up to Serial # 34	1
10	B500217	Reach Arm Cylinder Assembly - Current from Serial # 35	1
	B500212	Reach Arm Cylinder	1
	B500090	Arm Reach Cylinder Assembly - Non Current up to Serial # 34	1
	KH70122	Seal Kit. Arm Reach Cylinder	1
	KH70125	Sensor. Arm Reach Cylinder	1
11	R500012	Grip Turn Cylinder	1
	KH70114	Seal Kit. Grip Turn Cylinder	1
12	KH20239	7-Bank Valve Block	1
13	KH20242	Motor Case Flushing Valve	1
14	KH20236	Rear Anti Slip Valve	1
15	KH30007	Index Conveyor Motor	1
16	4131860	Index Conveyor Cylinder	1
		Seal Kit. Index Conveyor Cylinder	1
17	KH30007	Roll Eject Motor	1
18	KH30088	Conveyor Motor with Speed Sensor - Current from Serial # 103	1
	KH30089	Speed Sensor - Current from Serial # 103	1
	KH30007	Conveyor Motor - Non Current up to Serial # 102	1
	KH70054	Seal Kit. Hydraulic Motor - Conveyor	1
19	KH20126	Lower RH. Manifold	1
20	KH20243	Upper RH. Manifold	1
21	KH20241	8-Bank Valve Block	1
22	B500475	Hydraulic Tank Assembly (6 Mounts) - Current from Serial # 101	1
	B500005	Hydraulic Tank Assembly - Non Current up to Serial # 100	1
23	B500007	Fuel Tank	1
24	KH40080	Filter Head	2
	KH40081	Filter Gauge	2
	KH40082	Filter Element	2
25	B500136	Conveyor Lift Cylinder	1
	KH70110	Seal Kit. Conveyor Lift Cylinder	1
26	KH20277	Sequence Valve	1
27	KH30058	Conveyor & Pallet Pump (Aux Pump)	1
28	KH30055	Drive Pump	1
29	KH30057	Arm Pump	1



ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic System Components	
30	KD40087	Engine. Cat C4.4 Tier 4F - 147 HP	1
	KD40076	Engine. Cat 4.4TA Stage III LRC	1
	KD40104	Engine. Cat 3.6 - Stage V - Tier IV	1
31	KH30081	Engine Mounted Steer Pump - Tier III (11 Tooth)	1
	KD40086	Adaptor - Tier III (11 Tooth)	1
	KH80016	Gasket	1
	KH30083	Engine Mounted Steer Pump - Tier IV 4.4 Engine	1
	KH80016	Gasket	1
	KH30087	Engine Mounted Steer Pump - Tier IV 3.6 Engine	1
	KH80017	Gasket	1
	KH30062	Engine Mounted Steer Pump - Non Current	1
32	KH40080	Front Bulkhead Filter Head	2
	KH40081	Filter Gauge	2
	KH40082	Filter Element	2
33	KH20232	Auto-Steer Valve Block - Non Current up to Serial # 35	1
34	KH20129	Warm-up Valve Body	1
	KH20245	Relief Valve	1
35	H500075	Depth Cylinder Assembly	1
	KH70144	Seal Kit. Depth Cylinder	1
36	B500046	Down Pressure Cylinder	1
	KH70067	Seal Kit. Down Pressure Cylinder	1
37	KH30056	Cutter Motor	1
38	KH20236	Front Anti Slip Valve	1
39	KH40104	Oil Cooler - Current on Serial # 67, 74 & 78 and up	1
	KH40062	Oil Cooler - Non Current	1
	KH40092	Oil Cooler - Non Current	1
40	KH30054	Drive Motor - Front	2
41	B500020	Steering Cylinder Assembly	1
	KH70121	Seal Kit. Steering Cylinder	1
	KH70124	Sensor. Steering Cylinder	1
42	B500047	Ski Cylinder	1
	KH70133	Seal Kit. Ski Cylinder	1
43	KH30027	Cut-Off Motor	1
44	KH20294	Auto Steer Priority Valve - Current from Serial # 36	1
45	KH20313	Auto Steer Ski Valve - Current	1
46	KH20293	Steer Valve - Current	1



ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Main Frame - Hoses			
1	B200056	Hose Assembly. Tee to Wall Cylinder	1
2	B200055	Hose Assembly. Wall Cylinder to Tee	1
3	B200052	Hose Assembly. Tee to 6 Bank Valves	1
4	B200051	Hose Assembly. 6 Bank Valves to Tee	1
5	B200057	Hose Assembly. 6 Bank Valves to Mast Cylinder	1
6	B200058	Hose Assembly. Mast Cylinder to 6 Bank Valves	1
7	B200064	Hose Assembly. 6 Bank Valves to Pallet Injector Motor	1
8	B200199	Hose Assembly. 6 Bank Valves to Motor Case Flushing Valve	1
9	B200063	Hose Assembly. 6 Bank Valves to Pallet Lift Cylinder	1
10	B200059	Hose Assembly. Counter Balance Valve to 6 Bank Valves	1
11	B200029	Hose Assembly. Counter Balance Valve to Tee	1
12	B200062	Hose Assembly. Pallet Lift Cylinder to 6 Bank Valves	1
13	B200125	Hose Assembly. P2 Pump to 8 Bank Valves	1
14	B200065	Hose Assembly. Pallet Injector Motor to 6 Bank Valves	1
15	B200176	Hose Assembly. 6 Bank Valves to Lower R.H. Manifold	1
16	B200066	Hose Assembly. Tee to 6 Bank Valves	1
17	B200016	Hose Assembly. 7 Bank Valves to P3 Pump	1
18	B200164	Hose Assembly. Lower R.H. Manifold to Tee	1
19	B200066	Hose Assembly. 8 Bank Valves to 6 Bank Valves	1
20	B200019	Hose Assembly. P2 Pump to 8 Bank Valves	1
21	B200024	Hose Assembly. P1 Pump to Loop Flushing Valve	1
22	B200021	Hose Assembly. P3 Pump to 7 Bank Valves	1
23	B200168	Hose Assembly. Auto-Steer Valve Block to Tee	1
24	B200171	Hose Assembly. Case Drain Tee to Upper R.H. Manifold	1
25	B200172	Hose Assembly. P1 Pump to Upper R.H. Manifold	1
26	B200200	Hose Assembly. Upper R.H. Manifold to Front Bulkhead Filters	1
27	B200078	Hose Assembly. Tee to Filters	1
28	B200158	Hose Assembly. P3 Pump to Oil Tank	1
29	B200157	Hose Assembly. Oil Tank to P2 Pump	1
30	B200159	Hose Assembly. Oil Tank to P1 Pump	1
31	B200077	Hose Assembly. Filters to Oil Tank	1
32	B200162	Hose Assembly. Oil Cooler to Oil Tank	1
33	B200060	Hose Assembly. Motor Case Flushing Valve to Counter Balance Valve	1



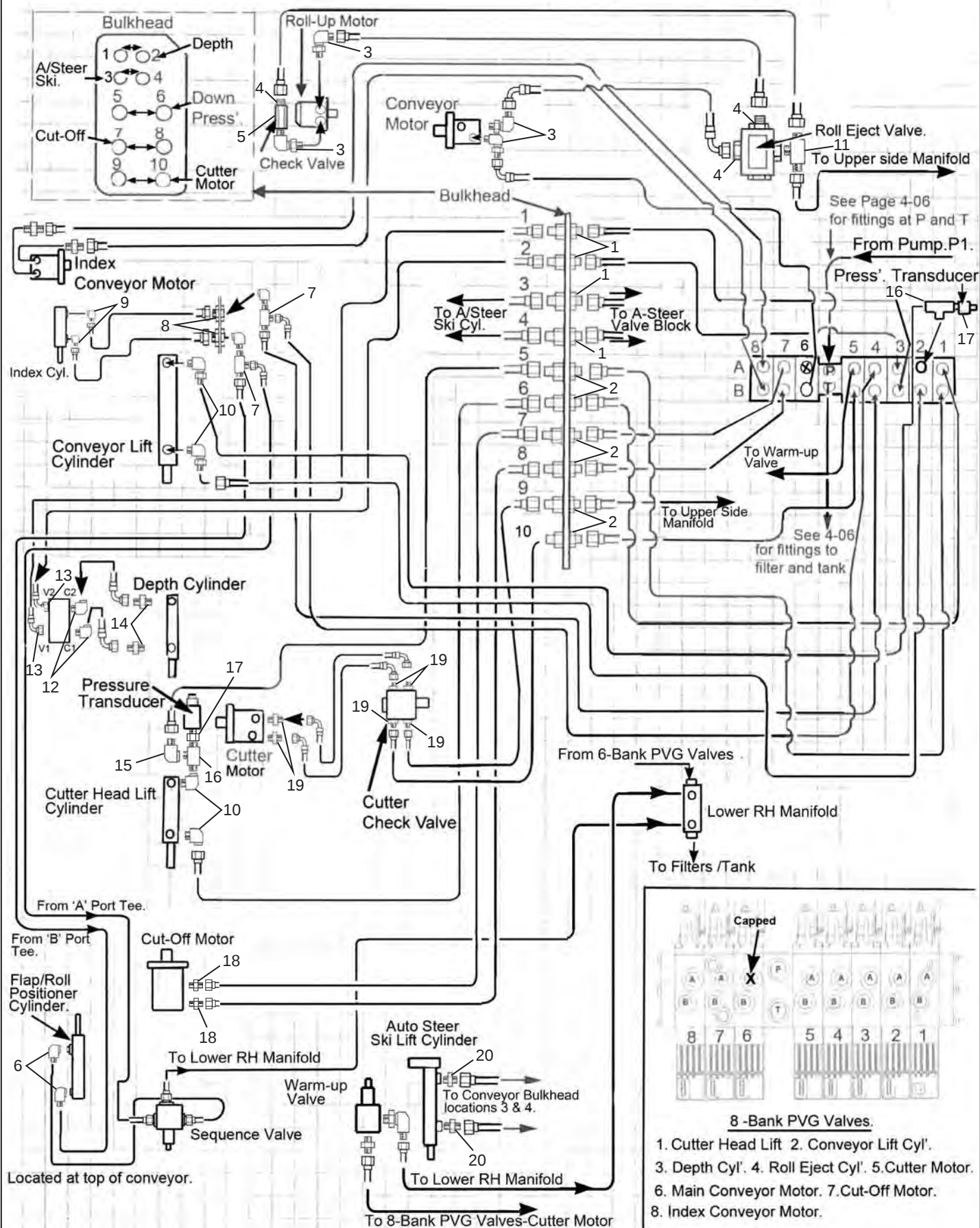
ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Main Frame - Fittings			
1	6-6-6-070220	Fitting. 3/8 Striaight Thread O-Ring 90 Deg. Elbow	2
2	6-8-070120	Fitting. 3/8 Striaight Thread O-Ring	2
3	6-6-070433	Fitting. No.6 Swivel Nut Branch Tee	1
4	6-10-070120	Fitting. 3/8 Straight Thread O-Ring	1
5	6-6-6-070429	Fitting. 3/4 Striaight Thread O-Ring Run Tee	2
6	8-8-070220	Fitting. 1/2 Striaight Thread O-Ring 90 Deg. Elbow	5
7	8-8-070181	Fitting.	1
8	4-4-070220	Fitting. 1/4 Striaight Thread O-Ring 90 Deg. Elbow	2
9			
10			
11	8-10-070220	Fitting. 1/2 Striaight Thread O-Ring 90 Deg. Elbow	1
12	8-10-070120	Fitting. 1/2 Straight Thread O-Ring	1
13			
14	12-12-070320	Fitting. 3/4 Striaight Thread O-Ring 45 Deg. Elbow	1
15	8-8-070120	Fitting. 1/2 Straight Thread O-Ring	2
16	8-090109A	Plug. 1/2 Straight Thread O-Ring Hex Head	1
17	16-12-070120	Fitting. 1 in. Straight Thread O-Ring	1
18			
19	6-6-6-070429	Fitting. 3/4 Striaight Thread O-Ring Run Tee	1
20	KH00168	Fitting.	1
21	20-20-20-070401	Fitting.	1
22			
23			
24			
25			
26			
27			
28			
29	KH00133		2
30	KH100310		1
31	KH00311		2
32	KH00173		1
33	KH00186		2
34	KH00333		1
35	8-8-070221	Fitting. 1/2 Swivel Nut 90 Deg. Elbow	1
36			
37	8-8-520120	Fitting. 1/2 Standard Thread O-Ring	1
38	20-16-430292	Fitting. 1 1/4 Beaded Tube Hose End 90 Deg.	2
39	6-4-070120	Fitting. 3/8 Straight Thread O-Ring	1
40	6-4-070220	Fitting. 3/8 Straight Thread O-Ring 90 deg. Elbow	1
41	8-6-520220	Fitting.	1
42	8-6-520120	Fitting.	1
43	16-12-070220	Fitting. 1 in. Straight Thread O-Ring 90 Deg. Elbow	1
44	KH00333		1
45	10-10-070220	Fitting. 5/8 Straight Thread O-Ring 90 Deg. Elbow	1
46	10-10-10-070432	Fitting.	1
47	KH00329		1
48	KH00328		1
49	KH00169		1
50	KH00325		3
51	KH00106		3



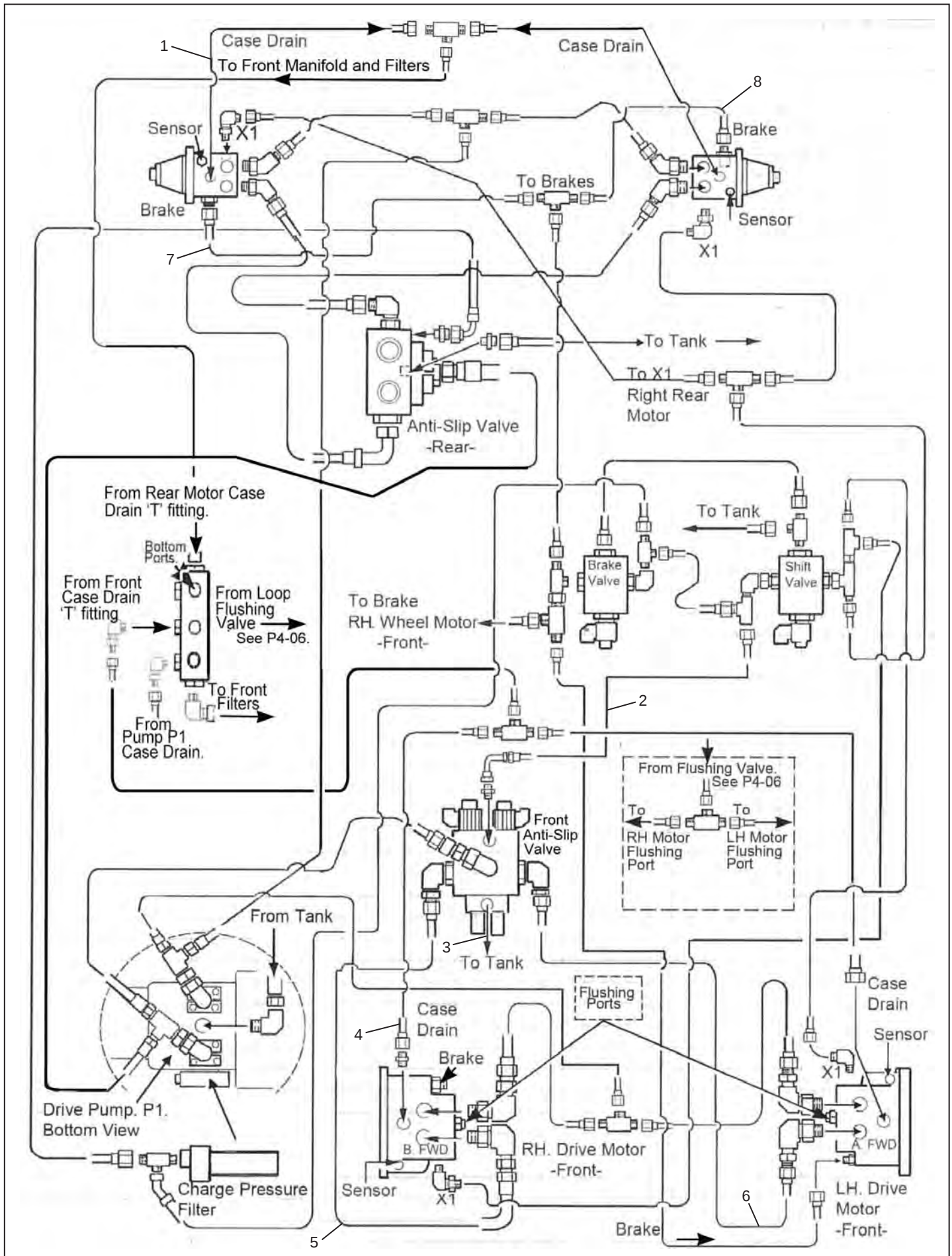
ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic System - Main Frame - Fittings	
52	20-16-070123	Fitting.	2
53	16-16-16-070432	Fitting.	2
54	12-16-070220	Fitting. 3/4 Straight Thread O-Ring 90 Deg. Elbow	1
55	KH00105		2
56	KH00164		
57	KH00108		1
58	KH00324		1
59	KH00103		1



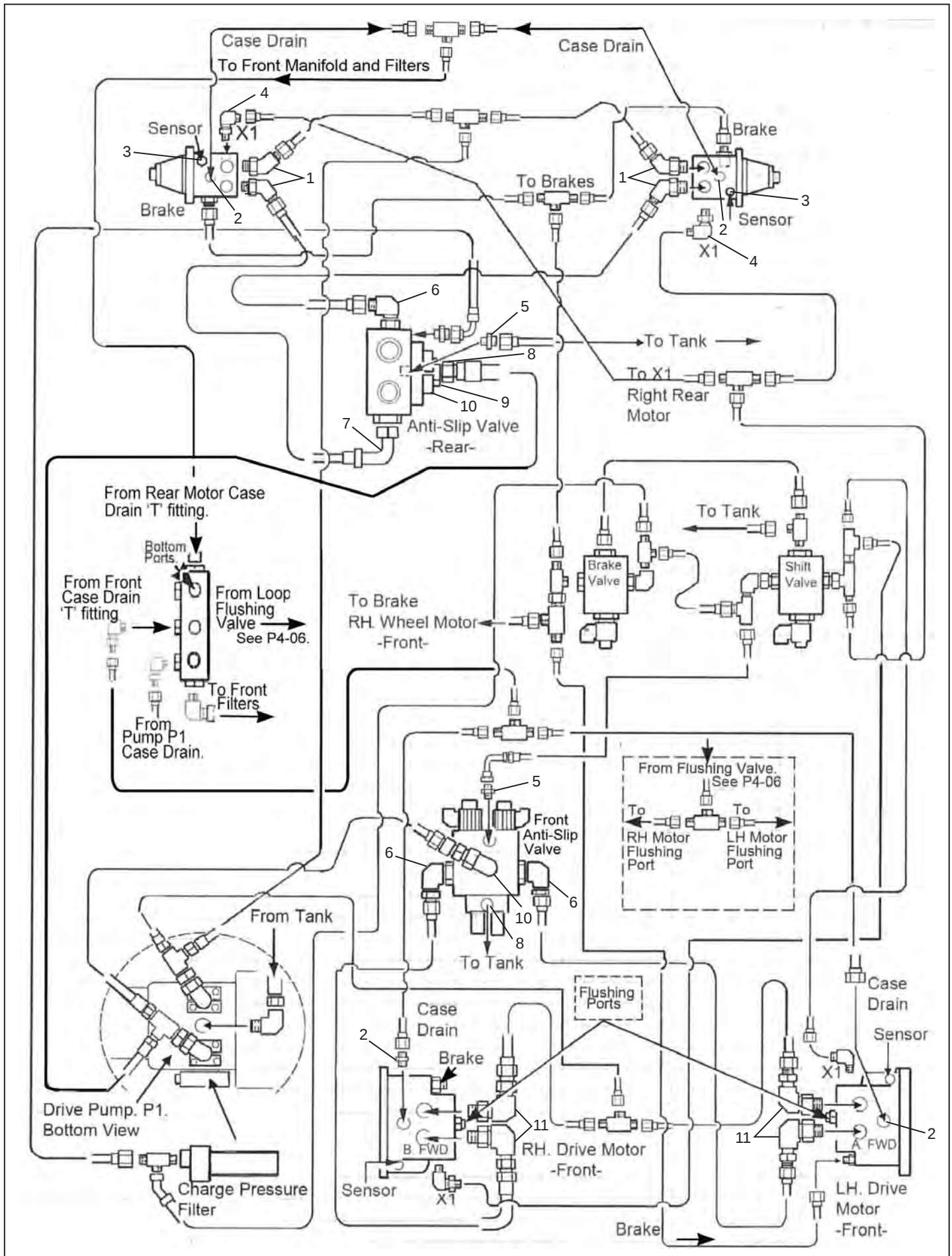
ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Main Conveyor - Hoses			
1	B200010	Hose Assembly. 8 Bank Valves to Index Conveyor Motor	1
2	B200030	Hose Assembly. Index Conveyor Motor to 8 Bank Valves	1
3	B200011	Hose Assembly. Conveyor Motor to 8 Bank Valves	1
4	B200027	Hose Assembly.	1
5	B200020	Hose Assembly. 8 Bank Valves to Warm up Valve	1
6	B200025	Hose Assembly. 8 Bank Valves to Index Conveyor Tee	1
7	B200026	Hose Assembly. Index Conveyor Tee to 8 Bank Valves	1
8	B200116	Hose Assembly. Bulkhead to 8 Bank Valves	1
9	B200195	Hose Assembly. Bulkhead to 8 Bank Valves	1
10	B200112	Hose Assembly. Conveyor Lift Cylinder to 8 Bank Valves	1
11	B200117	Hose Assembly. 8 Bank Valves to Bulkhead	1
12	B200028	Hose Assembly.	1
13	B200027	Hose Assembly.	1
14	B200194	Hose Assembly. 8 Bank Valves to Conveyor Lift Cylinder	1
15	B200122	Hose Assembly. 8 Bank Valves to Bulkhead	1
16	B200121	Hose Assembly. Bulkhead to 8 Bank Valves	1
17	B200120	Hose Assembly. Bulkhead to 8 Bank Valves	1
18	B200118	Hose Assembly. 8 Bank Valves to Bulkhead	1
19	B200191	Hose Assembly. Sequence Valve to Lower R.H. Manifold	1
20	B200015	Hose Assembly. Warm-up Valve to Lower R.H. Manifold	1
21	B200193	Hose Assembly. Tee to Flap Roll Positioner Cylinder	1
22	B200191	Hose Assembly. Flap Roll Positioner Cylinder to Sequence Valve	1



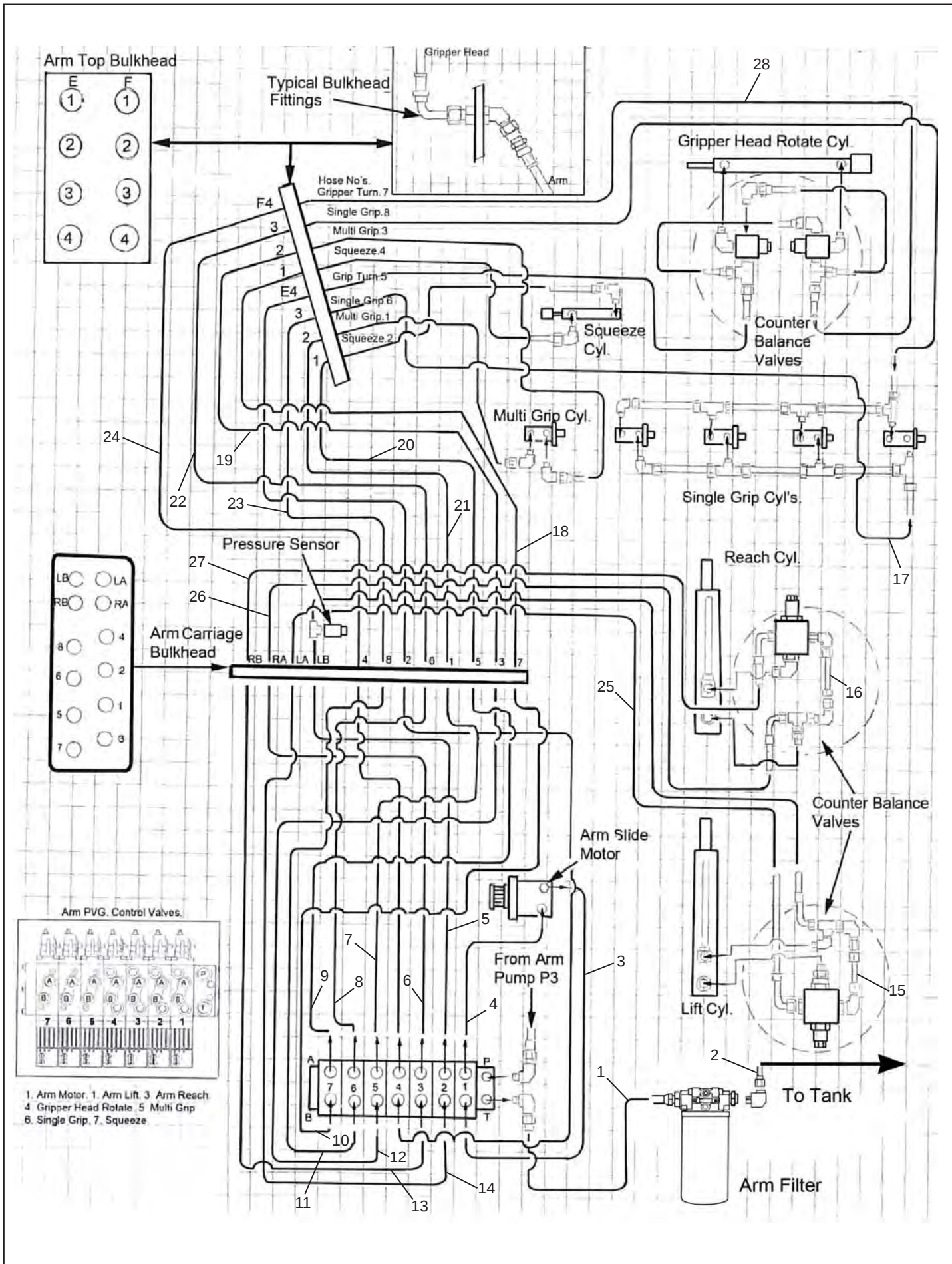
ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Main Conveyor - Fittings			
1	4-4-070601	Fitting. 1/4 Bulkhead Union	4
2	8-8-070601	Fitting. 1/2 Bulkhead Union	6
3	8-10-070220	Fitting. 1/2 Striaight Thread O-Ring 90 Deg. Elbow	4
4	8-8-070120	Fitting. 1/2 Straight Thread O-Ring	3
5	8-8-070181	Fitting.	1
6	6-4-070220	Fitting. 3/8 Striaight Thread O-Ring 90 Deg. Elbow	5
7	6-6-6-070432	Fitting. 3/8 Swivel Nut Run Tee	2
8	6-070701	Fitting. 3/8 Bulkhead Union	2
9	6-6-070220	Fitting. 3/8 Striaight Thread O-Ring 90 Deg. Elbow	2
10	8-6-070220	Fitting. 1/2 Striaight Thread O-Ring Elbow	3
11	8-8-8-070424	Fitting. 1/2 Male Tee Run	1
12	4-6-070220	Fitting. 1/4 Striaight Thread O-Ring 90 Deg. Elbow	2
13	4-6-070120	Fitting. 1/4 Straight Thread O-Ring	2
14	4-4-070120	Fitting. 1/4 Straight Thread O-Ring	2
15	8-8-070222	Fitting.	1
16	8-8-8-070408	Fitting.	2
17	8-4-070103	Fitting.	2
18	KH00111	Fitting.	2
19	8-10-070120	Fitting. 1/2 Straight Thread O-Ring	6
20	6-4-070120	Fitting. 3/8 Striaight Thread O-Ring	2



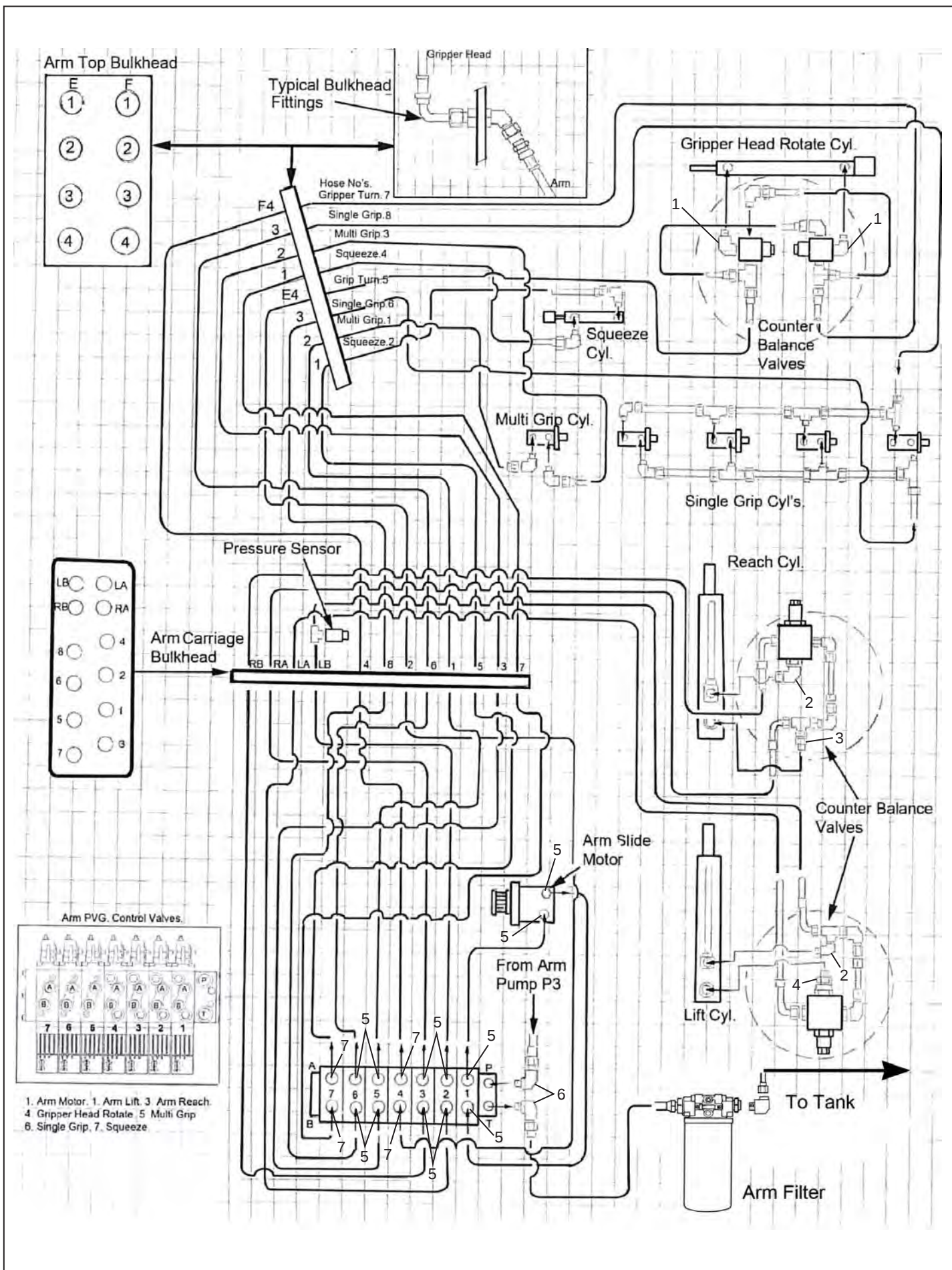
ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic System - Drive System - Hoses	
1	B200139	Hose Assembly. Drive Motor to Tee	1
2	B200076	Hose Assembly. Shift Valve to Front Anti-Slip Valve	1
3	B200104	Hose Assembly. Front Anti-Slip Valve to Tank	1
4	B200128	Hose Assembly. Drive Motor to Tee	1
5	B200144	Hose Assembly. Drive Motor to Front Anti-Slip Valve	1
6	B200146	Hose Assembly. Drive Motor to Front Anti-Slip Valve	1
7	B200138	Hose Assembly. Drive Motor to Tee	1
8	B200141	Hose Assembly. Drive Motor to Tee	1



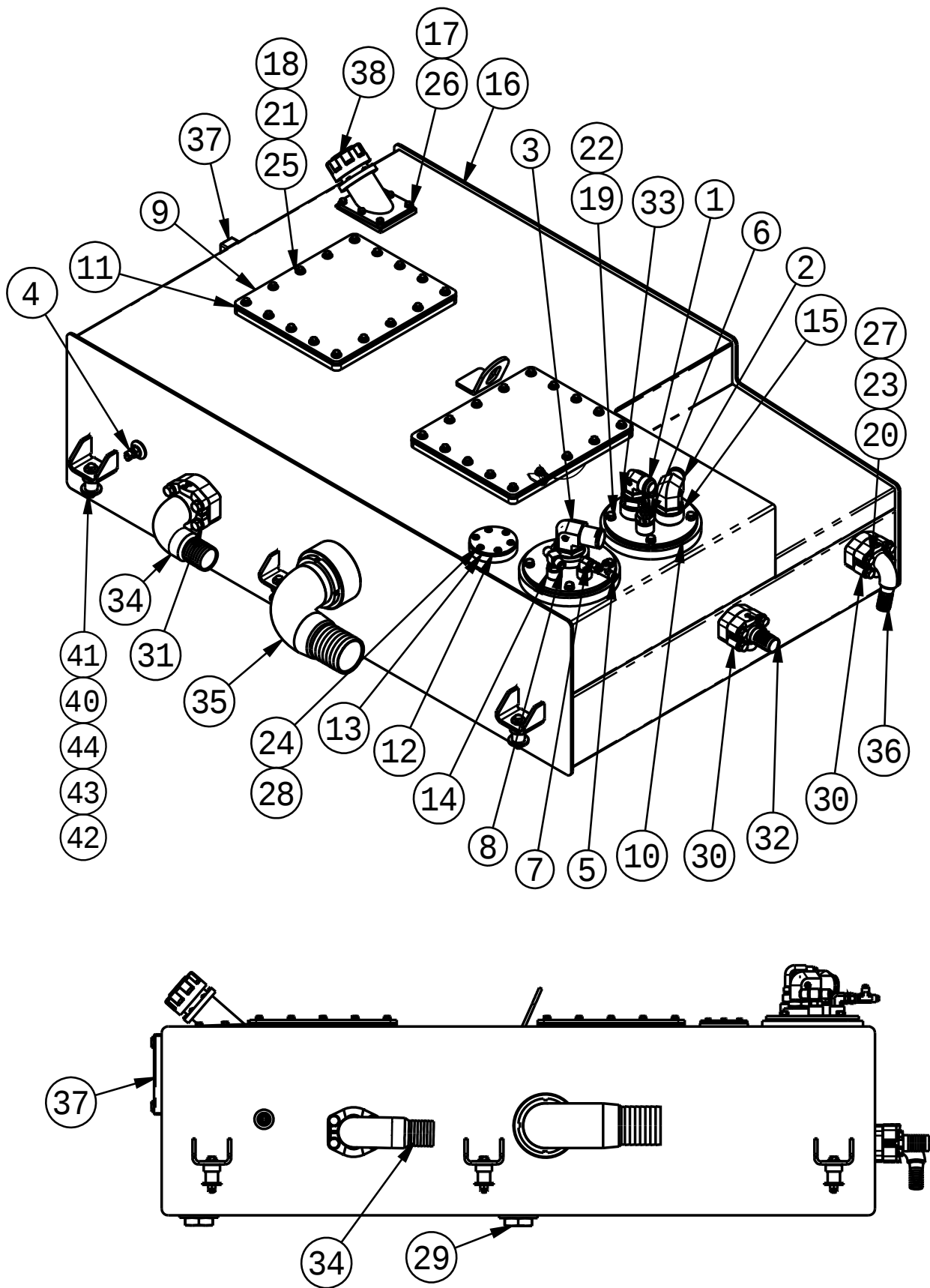
ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Drive System - Fittings			
1	12-12-520320	Fitting.	4
2	8-8-070120	Fitting. 1/2 Straight Thread O-Ring	4
3	4-4-070120	Fitting. 1/4 Straight Thread O-Ring	2
4	4-6-070220	Fitting. 1/4 Straight Thread O-Ring 90 Deg. Elbow	2
5	4-6-070120	Fitting. 1/4 Straight Thread O-Ring	2
6	10-12-520220	Fitting. 5/8 Tube to No.12 O-Ring	3
7	10-12-520120	Fitting. 5/8 Straight Thread O-Ring	1
8	6-6-070120	Fitting. 3/8 Straight Thread O-Ring	2
9	KH00161		1
10	KH00158		2
11	10-12-520320	Fitting. 5/8 Tube to No.12 O-Ring 45 Deg. Elbow	4



ITEM NO.	PART NO.	DESCRIPTION	QTY
Brouwer 4000 Sod Harvester Hydraulic System - Robotic Arm - Hoses			
1	B200100	Hose Assembly. 7 Bank Valves to Arm Filter	1
2	B200155	Hose Assembly. Arm Filter to Tank	1
3	B200124	Hose Assembly. Arm Slide Motor to 7 Bank Valves	1
4	B200123	Hose Assembly. 7 Bank Valves to Arm Slide Motor	1
5	B200079	Hose Assembly. 7 Bank Valves to Arm Carriage Bulkhead	1
6	B200083	Hose Assembly. 7 Bank Valves to Arm Carriage Bulkhead	1
7	B200085	Hose Assembly. 7 Bank Valves to Arm Carriage Bulkhead	1
8	B200088	Hose Assembly. 7 Bank Valves to Arm Carriage Bulkhead	1
9	B200090	Hose Assembly. 7 Bank Valves to Arm Carriage Bulkhead	1
10	B200089	Hose Assembly. Arm Carriage Bulkhead to 7 Bank Valves	1
11	B200087	Hose Assembly. Arm Carriage Bulkhead to 7 Bank Valves	1
12	B200086	Hose Assembly. Arm Carriage Bulkhead to 7 Bank Valves	1
13	B200084	Hose Assembly. Arm Carriage Bulkhead to 7 Bank Valves	1
14	B200080	Hose Assembly. Arm Carriage Bulkhead to 7 Bank Valves	1
15	B200147	Hose Assembly. Fitting to Lift Cylindar Counter Balance Valve	1
16	B200175	Hose Assembly. Fitting to Reach Cylindar Counter Balance Valve	1
17	B200181	Hose Assembly. Arm Top Bulkhead to Single Grip Cylindar	1
18	B200007	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
19	B200002	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
20	B200005	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
21	B200008	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
22	B200001	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
23	B200003	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
24	B200004	Hose Assembly. Arm Carriage Bulkhead to Arm Top Bulkhead	1
25	B200125	Hose Assembly. Arm Carriage Bulkhead to Lift Cylindar Counter Balance	1

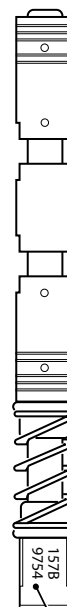
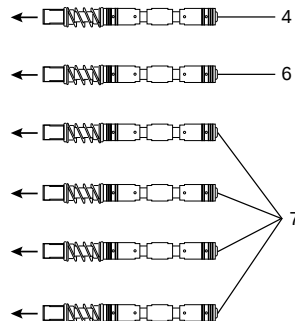
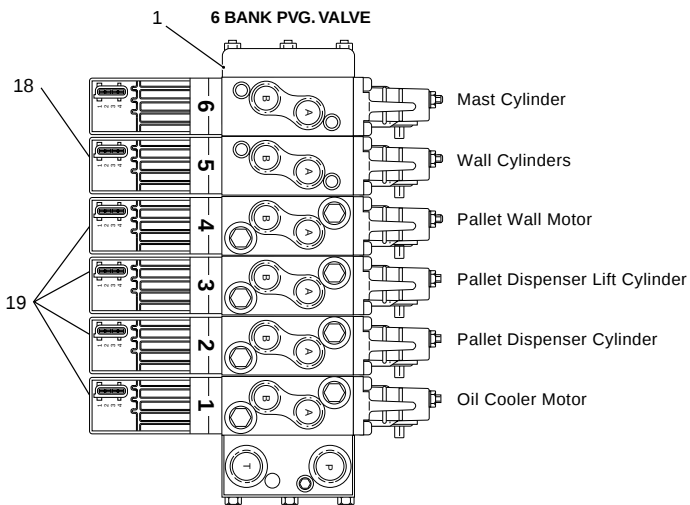


ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic System - Robotic Arm - Fittings	
1	6-6-070220	Fitting. 3/8 Striaight Thread O-Ring 90 Deg. Elbow	2
2	8-8-070181	Fitting. 1/2	2
3	8-8-070120	Fitting. 1/2 Straight Thread O-Ring	1
4	8-8-070220	Fitting. 1/2 Straight Thread O-Ring 90 Deg. Elbow	1
5	8-10-070120	Fitting. 1/2 Straight Thread O-Ring	12
6	16-12-070220	Fitting. 1 in. Straight Thread O-Ring 90 Deg. Elbow	2
7	6-10-070120	Fitting. 3/8 Straight Thread O-Ring	4

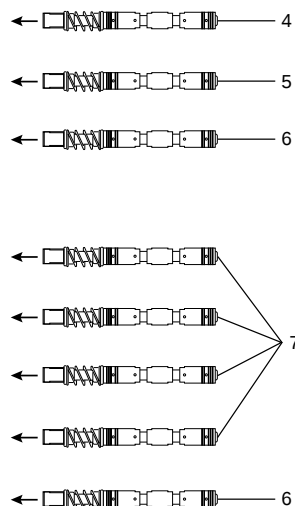
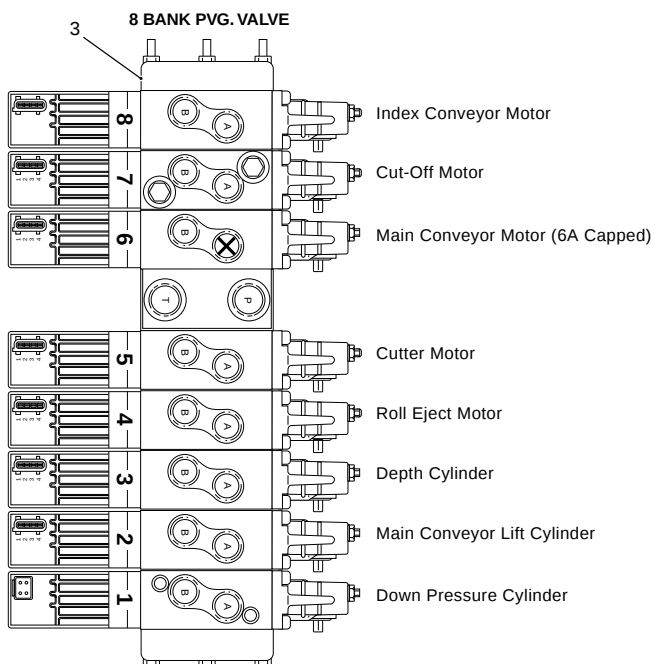
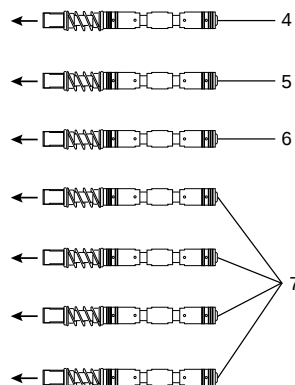
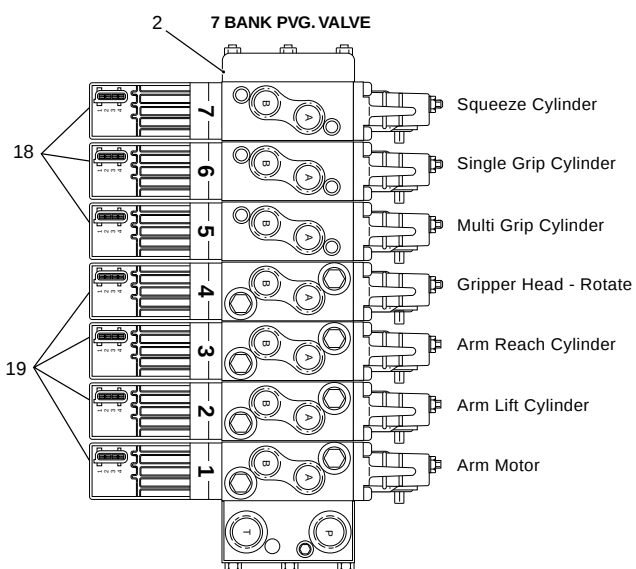


Brouwer 4000 Sod Harvester Hydraulic Tank Assembly

ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	16-16-070220	1	FITTING - STRAIGHT THREAD O-RING 90° ELBOW - SAE 37° (JIC) FLARE-TWIN
2	20-20-430292	1	FITTING 1 1/4 X 1 1/4 - BEADED TUBE HOSE END 90°
3	24-24-430292	1	FITTING - 90° SAE STRAIGHT THREAD TO HOSE BEAD (FLOW FITTING)
4	4134628	1	TEMPERATURE SENSOR
5	6-6-6-070432	1	NO. 6 TUBE -- SWIVEL NUT RUN TEE
6	8-12-070120	1	FITTING 1/2 STRAIGHT THRD O-RING CONNECTOR
7	8-6-070220	1	FITTING 1/2 STRAIGHT O-RING 90° ELBOW
8	8-8-8-070429	1	NO. 8 JIC SWIVEL BRANCH 'T'
9	A100137	2	ACCESS COVER HYDRAULIC TANK
10	A100142	2	GASKET SECONDARY FLANGE
11	A100143	2	GASKET ACCESS COVER
12	B110399	1	FILLER FLANGE CAP
13	B110400	1	GASKET FRONT FILLER
14	B300070	1	RETURN FLANGE #24 PORT
15	B300071	1	RETURN FLANGE #20 PORT
16	B300310	1	HYDRAULIC TANK WELDMNT 6 MOUNTS - CURRENT FROM S/N 101
	B310060	1	HYDRAULIC TANK WELDMNT - NON CURRENT UP TO S/N 100
17	F040404	6	BOLT- HEX HD 1/4 UNC x 0.50 LG. GR 8
18	F040406	32	BOLT 1/4 UNC x 3/4 Gr 8
19	F040612	8	BOLT - 3/8 UNC x 1 1/4 Gr 8
20	F040712	8	BOLT - 7/16 UNC x 1 1/4 Gr 8 - CURRENT FROM S/N 101
	F040714	8	BOLT - 7/16 UNC x 1 1/2 Gr 8 - NON CURRENT UP TO S/N 100
21	F310400	32	WASHER - 1/4 LOCK
22	F310600	8	LOCK WASHER - 3/8
23	F310708	8	LOCK WASHER - 7/16 GR.8
24	F320200	6	WASHER - #10
25	F320400	32	WASHER-1/4
26	F330400	6	1/4 SAE FLAT WASHER
27	F330708	8	7/16 SAE FLAT WASHER Gr 8
28	F570204	6	PAN HD PHIL 10-32 x 0.50 LG. ST STL
29	KH00036	2	PLUG - HEX SAE #24 MAGNETIC PLUG
30	KH00106	2	FLANGE - 1 1/4 IN. SAE FLANGE KIT CODE 62
31	KH00133	1	SPLIT FLANGE CODE 61 - 2.00
32	KH00173	1	FITTING - CODE 61 #20 TO #20 HOSE BARB STRAIGHT
33	KH00177	1	FITTING - BUSHING 1.00 - 1.25
34	KH00310	1	FITTING - SPLIT FLANGE 90° TO HOSE BARB SIZE 32
35	KH00311	1	FITTING - BSPP SWIVEL 90° TO HOSE BARB SIZE 48
36	KH00333	1	FITTING - 90° HOSE BARB TO CODE 69
37	KH10013	1	FLUID LEVEL INDICATOR W/ ELECTRICAL
38	KH40105	1	HYDRAULIC FILLER ANGLED
39	KL00010-B500005	1	HYDRAULIC OIL - HYDREX XV - 412 L
40	B100147	6	FUEL TANK MOUNT WASHER - CURRENT FROM S/N 101
41	F040624	6	HEX BOLT 3/8-16 UNC x 2 1/2 LG - CURRENT FROM S/N 101
42	F210600	6	HEX LOCK NUT 3/8-16 UNC - CURRENT FROM S/N 101
43	F320600	6	FLAT WASHER 3/8 - CURRENT FROM S/N 101
44	KM71012	6	RUBBER MOUNT - FUEL TANK - CURRENT FROM S/N 101



MANUFACTURER'S
PART NUMBER



IMPORTANT

When replacing a spool:
Check that the manufacturer's part
number etched into the spool
is the same on **BOTH SPOOLS**.

ITEM NO.	PART NO.	DESCRIPTION	QTY
		Brouwer 4000 Sod Harvester Hydraulic PVG Valves	
1	KH20240	6-Bank Valve Block	1
2	KH20239	7-Bank Valve Block	1
3	KH20241	8-Bank Valve Block	1

Brouwer 4000 Sod Harvester Filters

CAT Tier III engines, up to and including serial #56

PART NO.	QTY.	DESCRIPTION
KD40056	1	AIR FILTER PRIMARY - CAT 4.4TA - CAT 206-5234
KD40057	1	AIR FILTER - SECONDARY - CAT 4.4TA - CAT 206-5235
KD40058	1	OIL FILTER - CAT 4.4TA - CAT 7W-2326
KD40059	1	FUEL FILTER - CAT 4.4TA - CAT 299-8229
KD40060	1	WATER SEPARATOR - CAT 4.4TA - CAT 308-7298

CAT Tier III engines, from serial #57

PART NO.	QTY.	DESCRIPTION
KD40056	1	AIR FILTER PRIMARY - CAT 4.4TA - CAT 206-5234
KD40057	1	AIR FILTER - SECONDARY - CAT 4.4TA - CAT 206-5235
KD40058	1	OIL FILTER - CAT 4.4TA - CAT 7W-2326
KD40099	1	FUEL FILTER - CAT 4.4TA - CAT 360-8958
KD40100	1	WATER SEPARATOR ELEMENT - CAT 4.4TA - CAT 439-5037

CAT Tier IV engines

PART NO.	QTY.	DESCRIPTION
KD40056	1	AIR FILTER PRIMARY - CAT 4.4TA - CAT 206-5234
KD40057	1	AIR FILTER - SECONDARY - CAT 4.4TA - CAT 206-5235
KD40058	1	OIL FILTER - CAT 4.4TA - CAT 7W-2326
KD40099	1	FUEL FILTER - CAT 4.4TA - CAT 360-8958
KD40101	1	WATER SEPARATOR ELEMENT - CAT 4.4TA - CAT 479-4133

SECTION 4 AUTO-STEER

Auto-Steer Assembly

4-01