

Pik Rite

Tomato Harvester
Model: 190
Parts Manual
1998



Part No.: MAN-0018



ABOVE:

Pik Rite is located in Lewisburg, Pennsylvania.

TO THE RIGHT:

Elvin Stoltzfus, President, (left) and Joe Yoder, Vice President, are pictured standing with their wives in front of a Cucumber Harvester.



BELOW:

Pik Rite employs approximately 27 full-time employees and 7 part-time.





101 fairfield road lewisburg, pa. 17837-9214

717-523-8174 fax 717-523-8175

February 26, 1998

Dear Grower,

Welcome to the growing family of satisfied Pik Rite equipment owners. Our goal is to help make your harvest as enjoyable and trouble free as possible by providing equipment that is durable and keeps down time to a minimum.

In order to provide customer service and a supply of original equipment parts to keep your machine well maintained we have a 3,000 sq. ft area dedicated to service parts. This, along with a computerized inventory system and a team of folks who really care, give us the resources to provide better and more accurate deliveries in a timely manner.

We will continue to give you the service you have come to expect from us and from our dealer representatives. In order to avoid any delays during your harvest season we make every effort to have a live voice answer your calls 24 hours a day. We have shipping companies in place to deliver your parts as expediently as possible whether you live a few miles down the road or on the other side of the globe. Count on us, we'll do it.

Sincerely,

Sam Beiler
Operations Manager

Joe Stoltzfus
Parts Manager

Home Phone 717-547-1307
Mobile 717-490-0990

Parts and Service Hotline
(24 Hr July 21-Oct 15)
800-326-9763

Company History

Pik Rite, Inc, is a designer and manufacturer of innovative, quality-built vegetable harvesting equipment. Located 2 miles west of Lewisburg in Union County, Pennsylvania, Pik Rite operates from manufacturing facilities which encompass 28,000 square feet in addition to office space utilizing an additional 2700 square foot area. The company is owned by its' two founders who have diverse backgrounds in farming and welding shop activities. For the first ten years of Pik Rite's existence, Joseph Yoder served as President and Elvin Stoltzfus as Vice-President. Upon Mr. Yoder's move to California in mid-1997, the two owners exchanged administrative positions in order to afford Mr. Yoder more time in his area of expertise, product improvement, and take advantage of Mr. Stoltzfus' managerial capabilities. Pik Rite presently employs 30-35 people.

In 1983, the first vegetable harvesting machine was built for the purpose of providing a mechanical method of picking tomatoes for the local processing industry. After three years of testing and modifying the original machine, three Pik Rite harvesters were built in 1986. Two more machines were subsequently manufactured in 1987 and again in 1988. Activities in 1989 were limited to research and further development of the tomato harvester, with concentration in several areas, including a new forced balance shaker system. As a result of these efforts, Pik Rite now holds a domestic patent for a Double Brush Shaker System.

During the 1990's, Pik Rite has experienced steady growth in product sales, market coverage, and technological innovations. The pull-type design of the tomato harvester has allowed the growers who purchase the machines a great degree of adaptability for harvesting in different growing environments. Pik Rite has subsequently developed and added new product lines for harvesters which can be used to pick cucumbers and peppers. A vine windrower was developed in 1994 to assist the growers in preparing for the harvest by rearranging vines prior to picking to allow for more efficient harvesting. In the fall of 1997, Pik Rite introduced a new product to the marketplace - a plastic wrapper. This piece of equipment will allow fast, efficient removal of plastic mulch from the fields after harvest, and will result in disposal cost savings for the grower.

Markets

Pik Rite, Inc. has basically captured and dominated the new tomato harvester sales market in the Midwest and Eastern sections of North America, including Ontario, Canada. Machines are also presently being used for crop harvesting in Kentucky, Texas, New Mexico, California, Colorado, and Washington. In addition to the Canadian market, Pik Rite harvesters have also been exported to Russia, Australia, and Mexico. New opportunities are now being considered for sales to several South American countries and Saudi Arabia. In 1993, Pik Rite entered into a licensing agreement with the Italian firm, Gallignani Ortofrutta, to build tomato harvesters using the double brush shaker system. Gallignani's sales territory includes most of the countries in the Mediterranean Basin.

As the United States manufacturing sector looks forward to the beginning of the 21st century, Pik Rite continues to lead the way with production of efficient, dependable, vegetable harvesting equipment which provides the grower with the best value for the dollar. These efforts have been recognized by the Commonwealth of Pennsylvania as Pik Rite, Inc. was presented with the state's Agribusiness Achievement Award in January 1997.

Introduction



This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury & carefully read the message that follows.

“Right-hand” & “left-hand” sides are determined by facing in the direction the machinery will travel.

Record your product’s serial number in the space provided below:

S.N. _____ Purchase Date _____

Please review the warranty for this equipment which appears on the sales order that was signed when the sales order was placed. This warranty provides you the assurance that Pik Rite will back its products where defects appear within the warranty period. Pik Rite also provides field improvements, in some circumstances without charge to the customer, even if the product’s warranty is expired.

Warranty & field improvements are a part of Pik Rite’s product support program for customers who operate & maintain their equipment as described in this manual. If the equipment is abused or modified causing a change in its performance beyond the original factory specifications, the warranty will become void & field improvements may be denied.

For information and service call or write to:

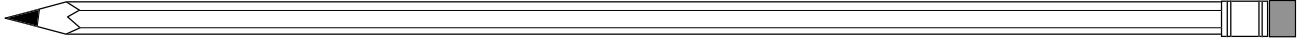
Pik Rite Inc.
101 Fairfield Rd.
Lewisburg PA 17837
800-326-9763

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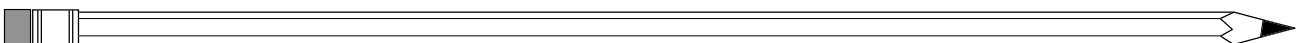
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NOTES



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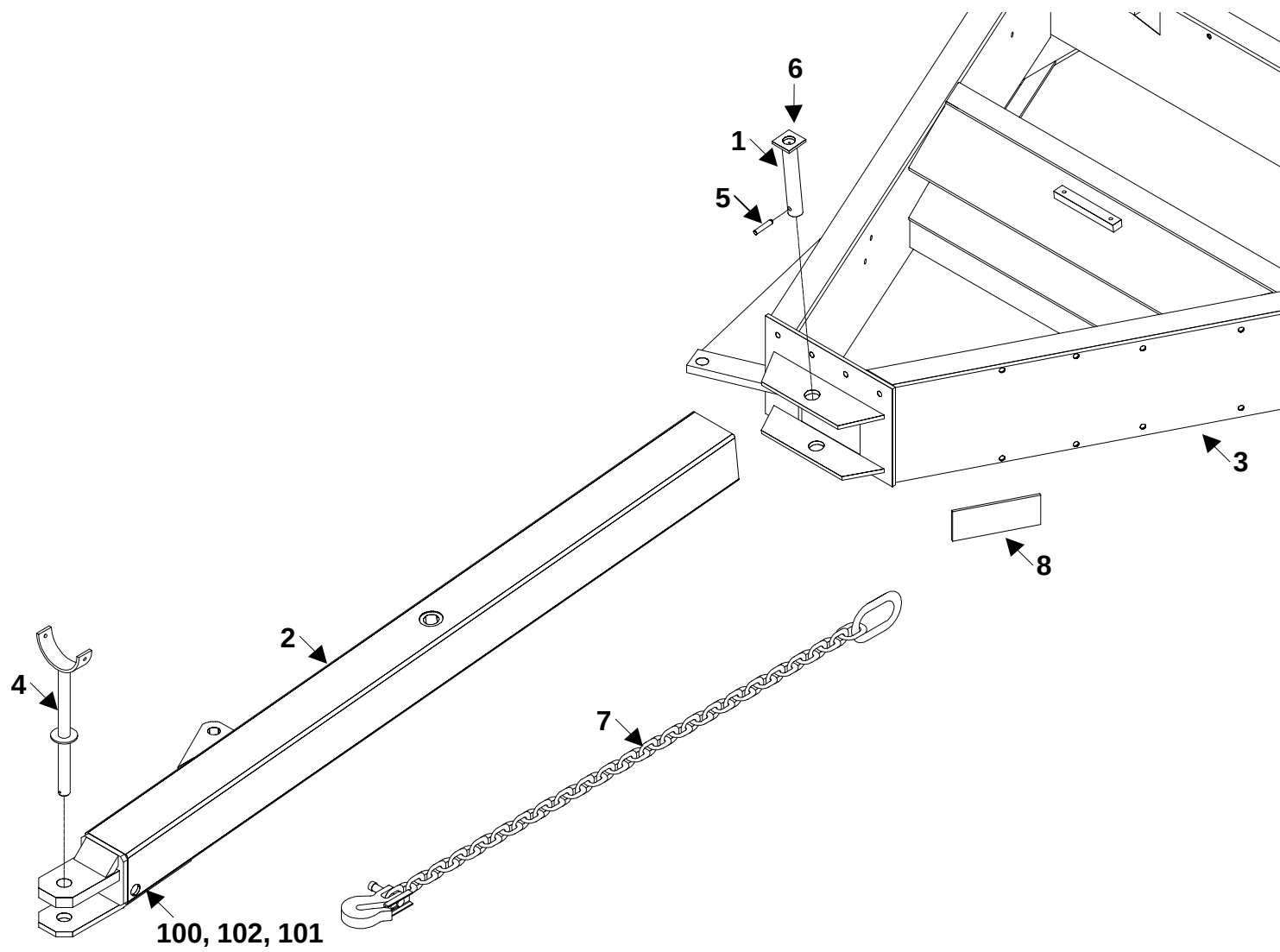


SECTION 1:

PARTS



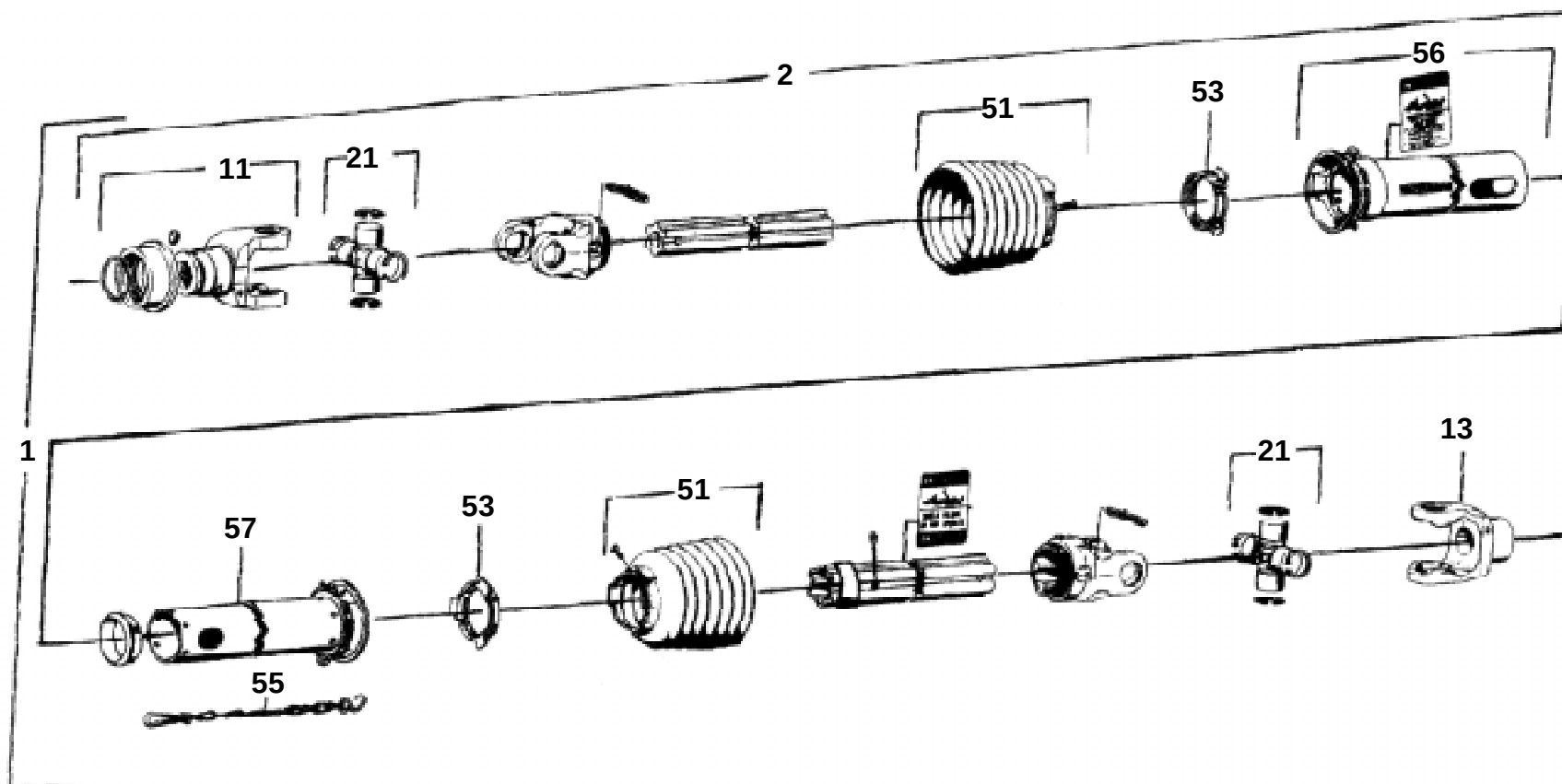
198-1-1 Tongue Assembly



198-1-1 Tongue Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-1103	Frame, Swivel pin	1	19201-	
2	FRM-1102	TONGUE, TOMATO	1	19701-	Replaces 194-1102
3	194-1101	Main Frame	1	19401-	
4	STD-1002	Stand, PTO	1	19501- 30095001-	
5	PIN-6-32	Roll Pin 3/8" x 2"	1		
6	GF-1827-65L	Grease Fitting 1/8 NPT Long 65	1		
7	FRM-3167	Safety Chain, Cucumber & Tomato Tongues	1	19701- 30097001-	
8	DC-1183	Company Information Decal, 3" x 7.75"	1		
100	BL-16-700-H	Hex Bolt 1 x 7 Zinc Grade 5	1		
101	BL-16-LN	1" Lock Nuts w/ Nylon Inserts	1		
102	BL-16-SW	1" SAE Washer	2		

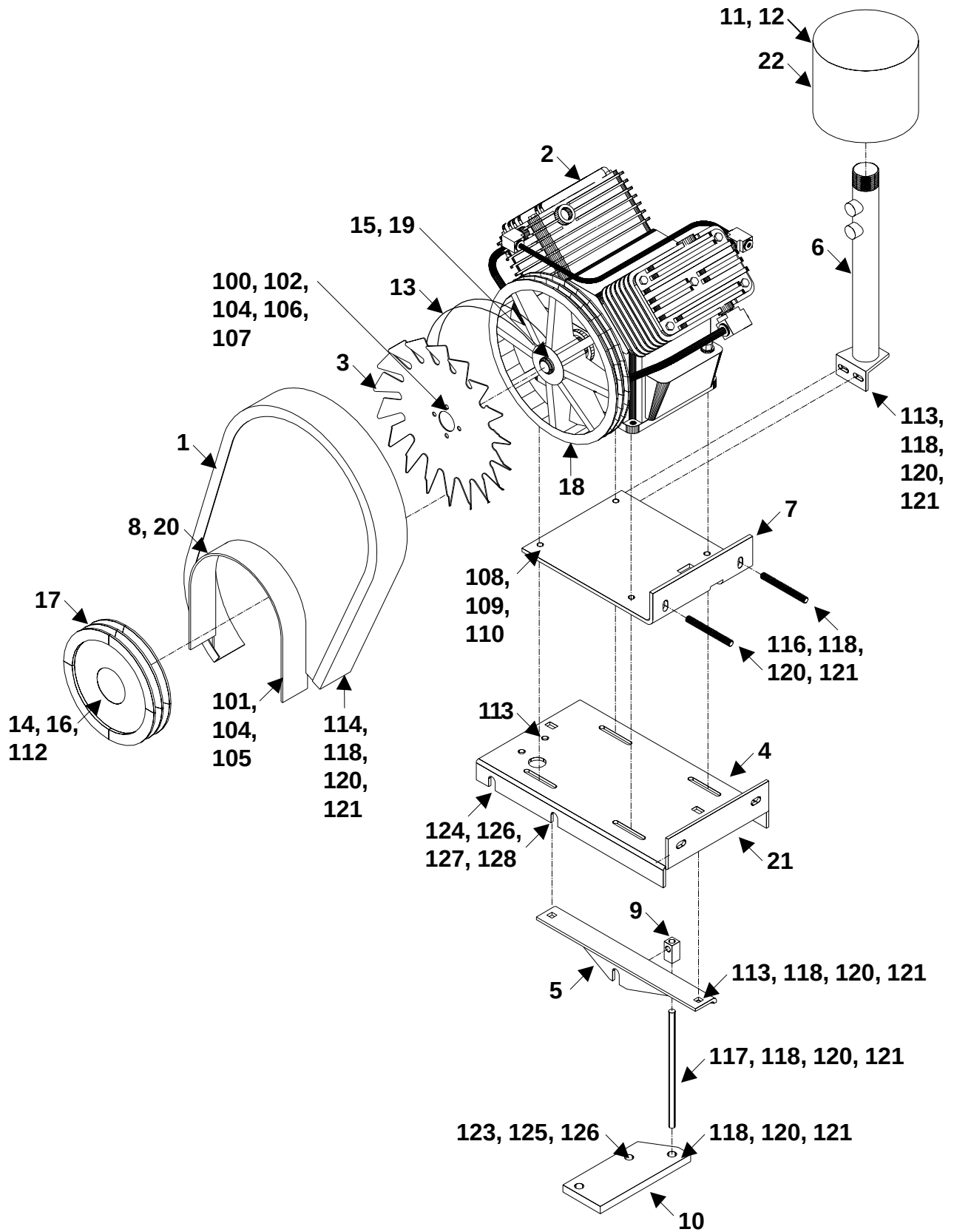
198-1-2 PTO Assembly



198-1-2 PTO Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	PTS-1002	Waltersheid Power Shaft for Tomato Harvester w/ 1 3/8" x 21 spline	1	19101-	Used on some 1994 machines
2	PTS-1002-FH	Front Half Only for All PTO (Waltersheid) Shafts 1 3/8 - 21	1		
2	PTS-1003-FH	Front Half Only for All PTO (Waltersheid) Shafts 1 3/4-20	1		
11	PTS-1002A	PTO Tractor Yoke (Waltersheid) 1 3/4" x 20 Spline	1	19101-	John Deere PN AW25387
11	PTS-1002C	PTO Yoke (Waltersheid) 1 3/8" x 21 spline	1	19101-	John Deere PN AW25386
13	PTS-1002H	PTO Inner Yoke (Waltersheid)Not Modified per PR requirement	1	19101-	
21	PTS-1002B	PTO Cross Kit (Waltersheid)	2	19415-	John Deere PN AW24688
51	PTS-1002E	PTO Shield Cone (Waltersheid)	2	19101-	
53	PTS-1002J	PTO Shield Bearing Ring	2		
55	PTS-1002K	PTO Shield Safety Chain	1		
56	PTS-1002F	PTO Outer Sheild (Waltersheid)	1	19101-	
57	PTS-1002G	PTO Inner Shield (Waltersheid) Tomato Shaft	1	19101-	

198-1-3 Air Compressor Assembly



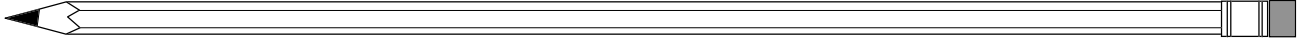
198-1-3 Air Compressor Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	110-1507	Air Compressor Shield	0	11001-	
2	AIR-1506	Air compressor	1		
3	FAN-1610	FAN BLADE, PULLEY	1	KIT-0025	
4	MOU-1509	Air Compressor Mount	1	19201- KIT-0026	
5	192-1509B	Mounting Tab, Air Compressor Mount	1	19201-	
6	194-1510	Air Filter Mount	1	19401-	
7	MOU-1511	Comprssor Slide Plate	1	19701-	
8	BT-1507	Belting, Air Compressor Shield	1	11001-	
9	ADJ-1509	Adjuster, Air Compressor height stabilizer bracket	1	19701-	
10	BAR-1509	Tilting Adjuster Plate, Air Compressor Support	1	19701-	
11	AIR-1506A	Air, Compressor Filter	1		
12	AIR-1506B	Air, Compressor Filter Element	1		
13	BT-A-40	Air Compressor Belts	2	KIT-0025	
14	KEY-6-6-40	Keystock 3/8" x 3/8" x 2 1/2" Square Cut (1018)	1		
15	PIN-4-16-C	1/4" x 1' Coil Pin	1		
16	PU-1610-24	Taper Loc Hub 1610-1 1/2	1		
17	PU-2A74	Air Compressor Pulley Taper Loc	1		
18	PU-2AK74	Cast Iron Pulley	1		
19	PU-QT-14	QT x 7/8 Bushing	1		
20	DC-1176	Decal, Danger-Hand Chain Sprockets	1		
21	DC-1506	Decal, White, Air Comp. Cap., 1qt SAE 30 Non Detergent, Tom	1	19801-	
22	DC-1506B	Decal,White:AIR FILTER-CLEAN DAILY BLOW	1	11001-	
100	BL-4-050-H	1/4-20 X 1/2 HEX CAP G5 ZC	2		
101	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	3		
102	BL-4-100-H	1/4-20 X 1 HEX CAP G5 ZC	2		
104	BL-4-FW-8	1/4" Flat Washer Grade 8	8		
105	BL-4-LN	1/4-20 HEX LN NE ZC	3		
106	BL-4-LW	1/4 SPLIT LW ZC	6		
107	BL-4-N	1/4-20 HEX FIN NUTS ZC	2		
108	BL-5-150-H	5/16-18 X 1 1/2 HEX CAP G5 ZC	4		

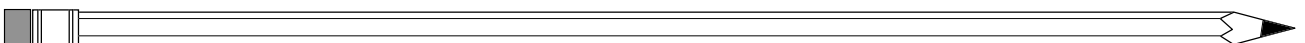
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
109	BL-5-FW-8	5/16 USS FLAT WASHER GR8 YEL ZINC	4		
110	BL-5-LN	5/16-18 HEX LN NE ZC	4		
111	BL-6-037-SC	Set Screw 5/16-18 x 3/8"	0		
112	BL-6-050-SC	3/8-16 x 1/2" Set Screw	4		
113	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	4		
114	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	2	193-729K	
115	BL-6-150-H	3/8-16 X 1 1/2 HEX CAP G5 ZC	1	194-806K	
116	BL-6-400-ST	3/8-16 x 4 Grade 5 Full Threaded Stud	2		
117	BL-6-800-SSST	3/8-16 x 8" SS Threaded Rod B8-Class 2	1		
118	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	16		
119	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	1		
120	BL-6-LW	3/8 SPLIT LW ZC	16	193-729K 194-806K	
121	BL-6-N	3/8-16 HEX NUTS ZC	16	193-729K	
123	BL-8-125-H	1/2-13 X 1 1/4 HEX CAP G5 ZC	2		
124	BL-8-150-FS	1/2-13 X 1 1/2 FL SOC CAPS	2		
125	BL-8-FW-8	1/2 FLAT WASHER G8 ZC	2	KIT-0005	
126	BL-8-LW	1/2 SPLIT LW ZC	4		
127	BL-8-N	1/2-13 HEX FIN NUTS ZC	2		
128	BL-8-SW	1/2 SAE FW ZC	2		

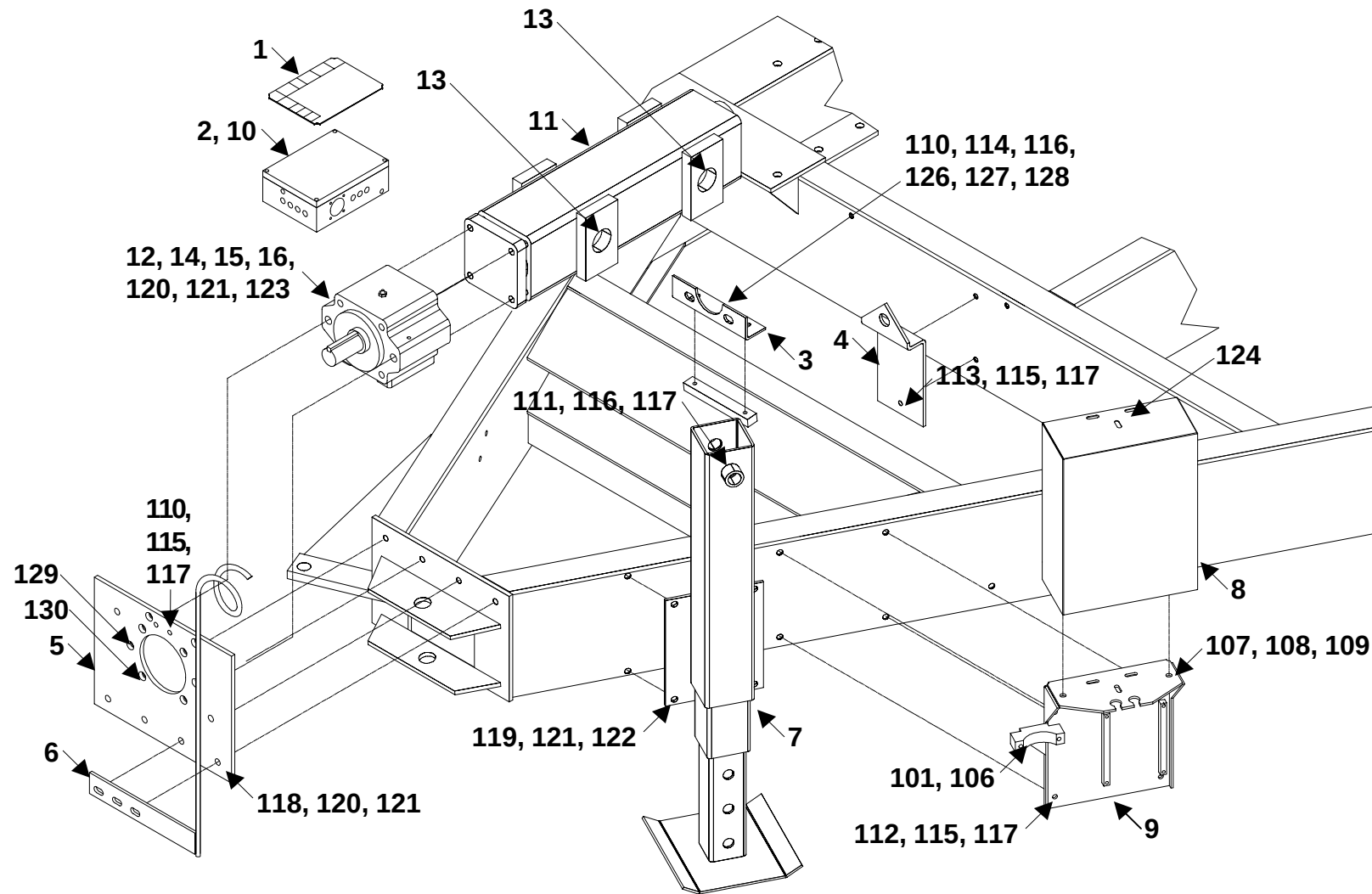
NOTES



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198-1-4 Front End Assembly



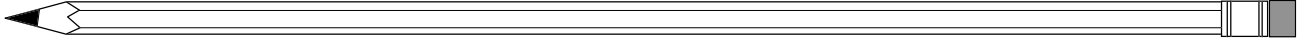
198-1-4 Front End Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	DC-0006	Decal. Control Box, Tomato. '97	0	197	
2	EL-0003	COMPLETE Control Box less cable (Tomato)	1	19701-	
3	196-1129	Mount, Rear Pump (Tomato)	1	19101-	Replaces 191-1129 NOTE: Use with #HP-365-C1
4	193-918	Cylinder bracket frame	1		
5	191-1128	Mount, Hydraulic Pump (Tomato)	1	19101-	
6	SUP-3200	Hose Support	1	19100-30095001-	
7	WH-1125	Machine Jack for Tomato Harvester	1	19101-	
8	SHD-B8	Shield, Electrohydraulic "Brand", 8-Stack	1	19601-	
9	MOU-1215	Electro/Hydraulic Mount, '98	1	19801-30098001-	
10	EL-1251	Power Cable Assembly (for Tractor only)	1		I
11	HP-365-C1	Hydraulic Pump, Commercial 365	1		
12	HP-1003	Overhung Load Adapter	1	11001	
13	A-SFK-32	2" Split Flange Kit	2		
14	HP-1003A	Rear seal for HP-1003	0	11001	
15	HP-1003B	Front seal for HP-1003	0	11101	
16	HP-1003S	Output Shaft for HP-1003	0		
101	BL-4-350-H	1/4-20 X 3 1/2 HEX CAP G5 ZC	2		
106	BL-4-LN	1/4-20 HEX LN NE ZC	2		
107	BL-5-LW	5/16 SPLIT LW ZC	3		
108	BL-5-FW-8	5/16 USS FLAT WASHER GR8 YEL ZINC	12		
109	BL-5-N	5/16 UNF FIN HEX NUT A563 GR4 ZINC	3	TRP-1145K	
110	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
111	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	1	194-231K	
112	BL-6-375-H	3/8 UNC X 3 3/4 HH C/S BOLT GR5 ZINC	4		
113	BL-6-400-H	3/8-16 X 4 HEX CAP G5 ZC	2		
114	BL-6-LW	3/8 SPLIT LW ZC	2	193-729K 194-806K	
115	BL-6-SW	3/8 SAE FW ZC	10		
116	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	4		

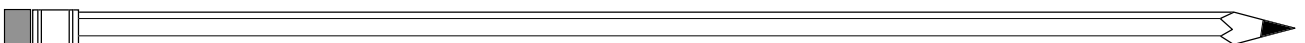
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
117	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	9		
118	BL-8-075-H	1/2-13 x 3/4" HEX CAP G5 ZC	4		
119	BL-8-425-H	1/2-13 X 4 1/4 HEX CAP G5 ZC	4		
120	BL-8-LW	1/2 SPLIT LW ZC	10		
121	BL-8-SW	1/2 SAE FW ZC	18		
122	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	4		
123	BL-8-N	1/2-13 HEX FIN NUTS ZC	6		
124	BL-5-LWN	5/16" Locking Wing Nut (Fine)	3		
126	BL-10-LW	5/8 SPLIT LW ZC	2	194-161K	
127	BL-10-SW	5/8 SAE FW ZC @	2	194-161K	
128	BL-10-N	5/8-11 HEX FIN NUTS ZC	2	194-161K	
129	BL-8-700-FS	1/2-13 X 7 FL SOC CAPS	2		
130	BL-8-750-FS	1/2-13 X 7 1/2 FL SOC CAPS	4		

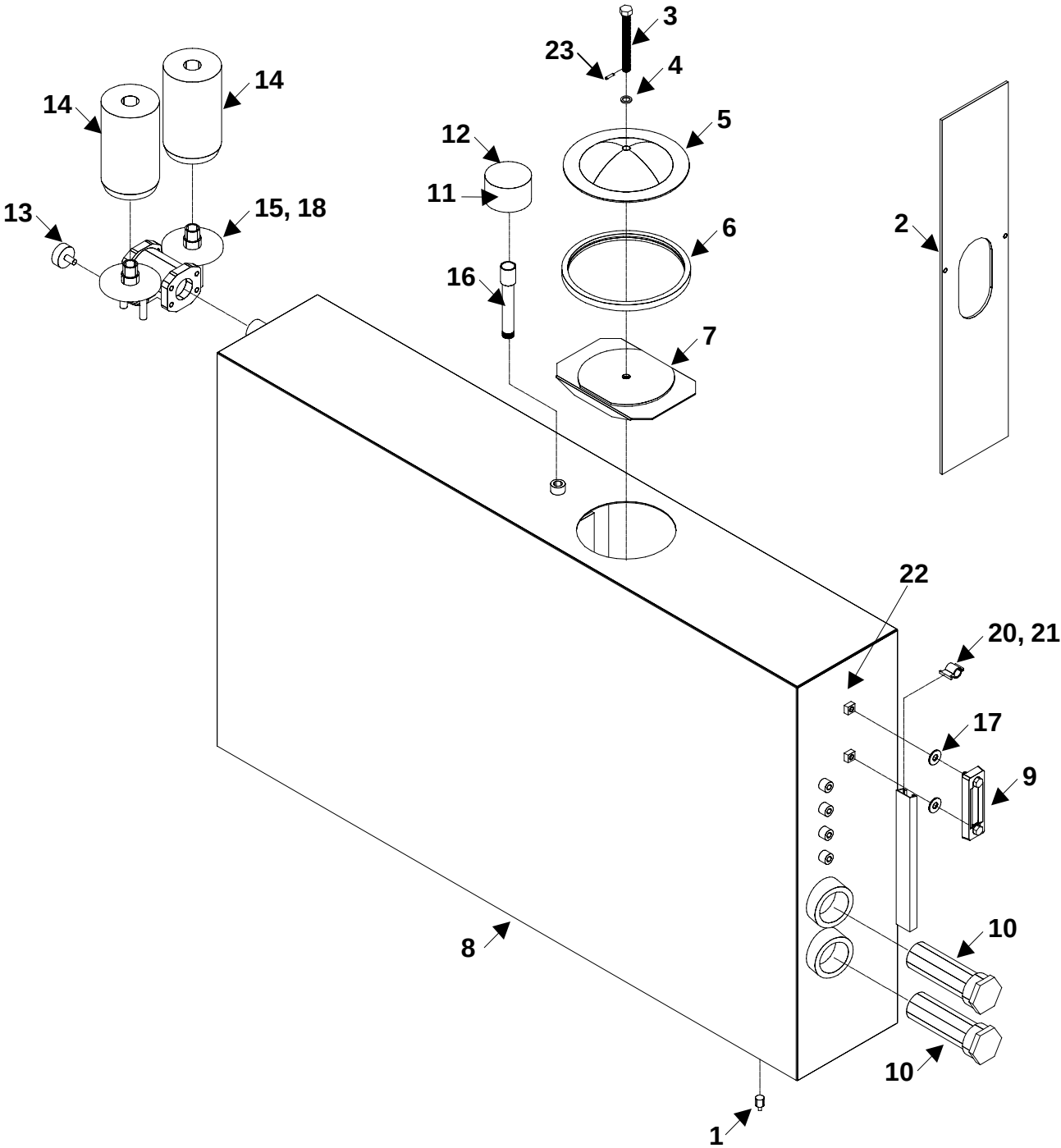
NOTES



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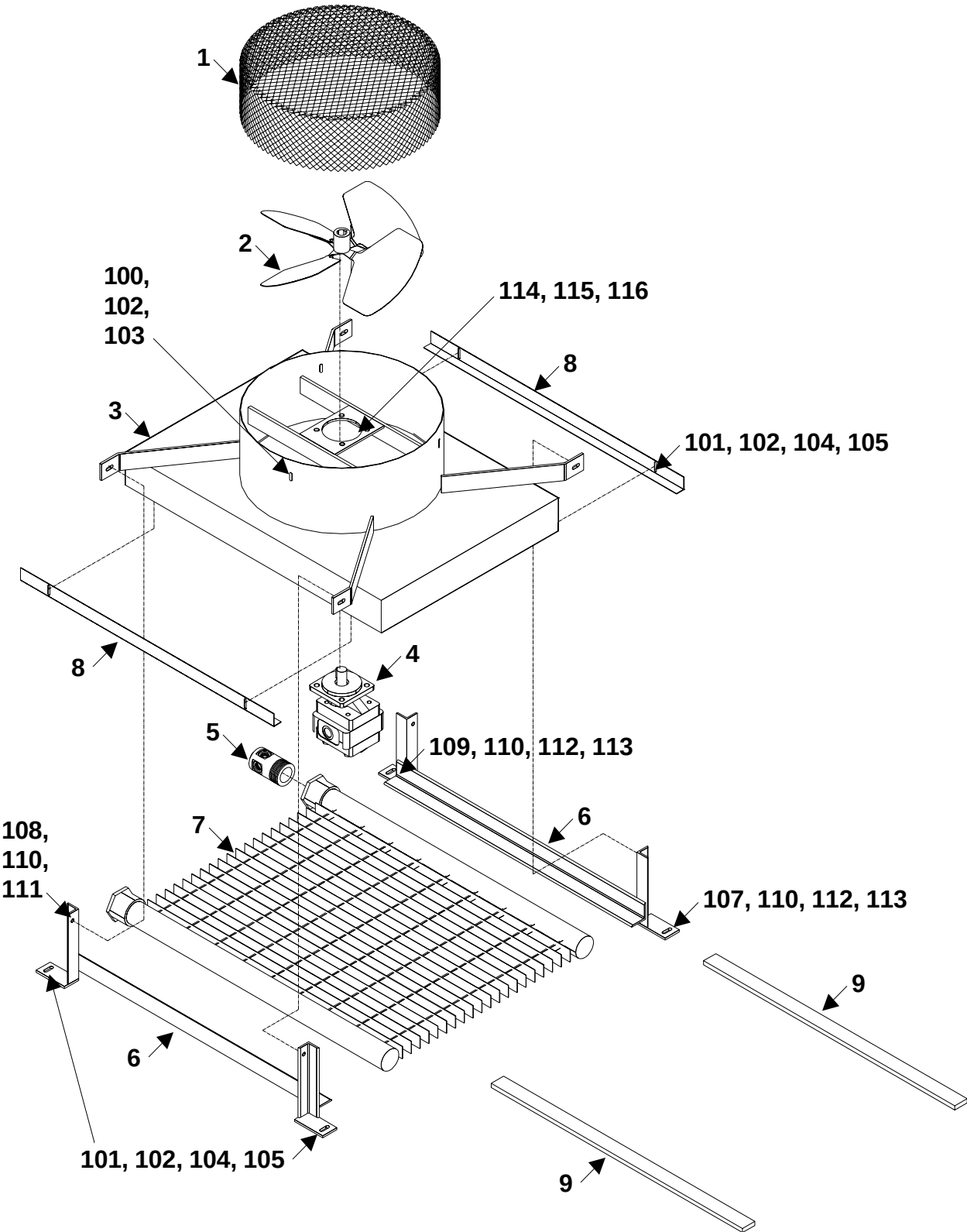
198-1-5 Oil Tank Assembly



198-1-5 Oil Tank Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HA-1007	Hydraulic, Magnetic Drain Plug	1	11101-	
2	195-1008A	Baffle, Oil Tank	1	19601-	
3	HA-5070E	Tank Cover Bolt	1	19501- 30095001-	
4	HA-5070B	Nylon Washer for Tank Cover Kit	1	19501- 30095001-	
5	HA-5070	Hydraulic Tank Cover	1	19501- 30095001-	
6	HA-5070A	Gasket for Tank Cover Kit	1		
7	HA-5070D	Tank Cover Holddown	1	19501- 30095001-	
8	TAN-1008	Hydraulic Oil Tank	1	19501-	
9	HA-1041	Hyd, Level Gauge & Therm	1		
10	HA-1006-3	Hydraulic Suction Screens 3" x 2"	2		
11	HA-1012A	Vescor Breather Element (3 micron)	0		
12	HA-1012	Vescor Breather Filter (3 micron)w/Adapter Fitting	1		
13	HA-1023A	Filter Gage	1		
14	HA-1029	11" Hyd Filter	2		
15	HA-1023-Z	Double Filter Head, Side by Side	1		
16	EX-1012	Extention, Filter, Oil Tank	1	19501-	
17	HA-1041-S	Gasket for Level Therm, Square Cut	2		
18	HA-1023-P	Poppet for Filter Bypass	1		
20	HA-1071-H	Hydra-zorb Tube Clamp 1" (3 pc.)	4	19401-	
21	HA-1072-H	Hydra-zorb Tube Clamp 3/4" (3 pc.)	6	19401-	
22	DC-1008	Decal, Yellow, Tank Capacity: 140 Gal., ISO Grade 46 Hyd. Oil, Tom.	1	19801-	
23	PIN-3-14	Roll Pin, 3/16 x 7/8	1	193-729K	

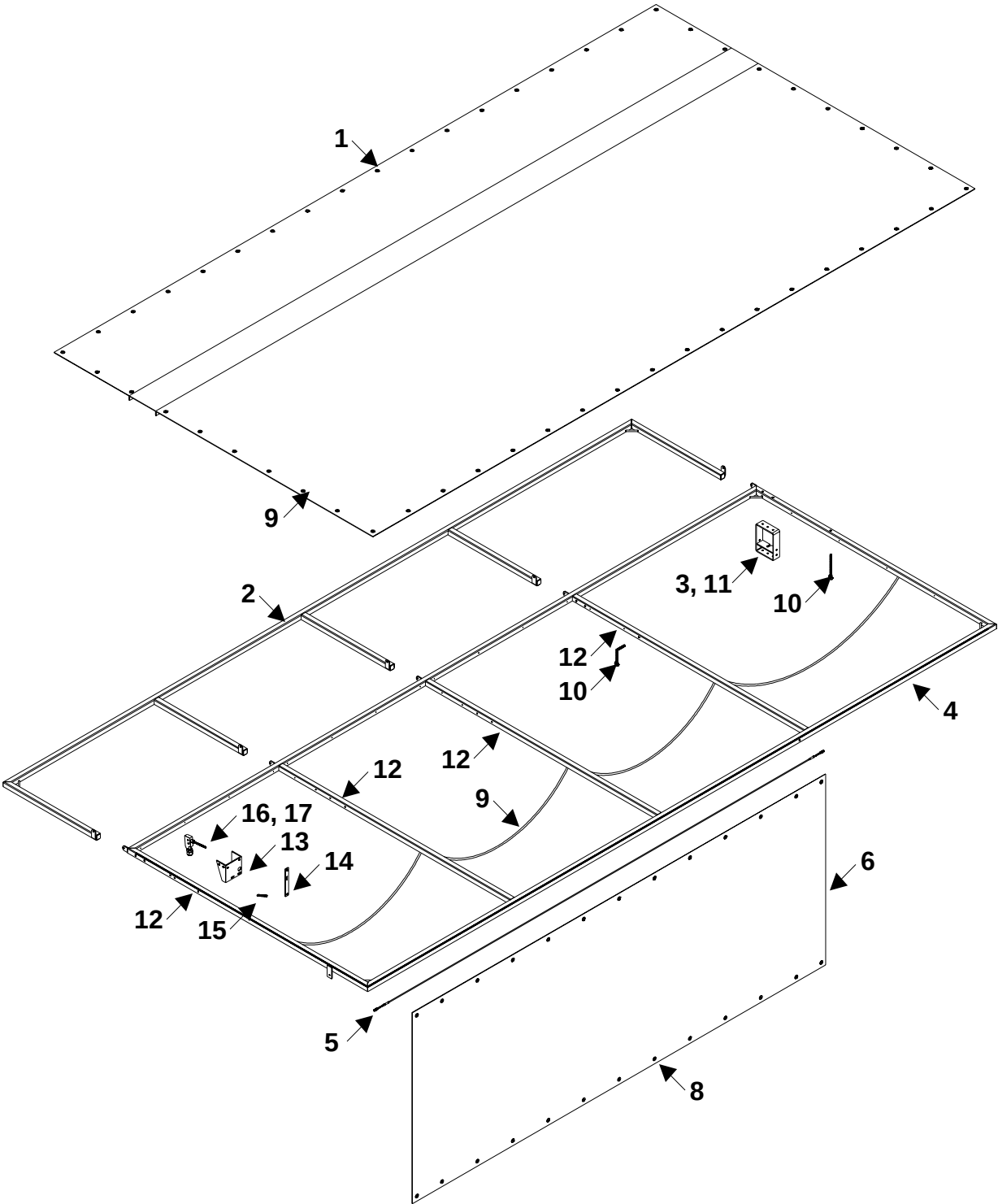
198-1-6 Oil Cooler Assembly



198-1-6 Oil Cooler Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-1082	Shield, Cooling Fan	1	19101-30095001-	
2	HA-1019-G	Cooling Fan Blade	1	19201-	
3	110-1016	Oil Cooler Shroud	1	11001-30095001-	
4	HM-1020	Cooling Fan Motor	1	19201-	When installing on '90 and '91 machines must be accompanied by fan blade 192-1019
5	195-1021	Manifold, Hydraulic, Oil Cooler	1	19501-30095001-	
6	110-1017	Mount, Oil Cooler Support	2	11001-30095001-30095003	
7	HA-1015	Hydraulic, Oil cooler radiator	1	11001-	
8	COV-1016	Cover, Shroud Cover, Oil Cooler	2	30097001-	
9	RS-100	Rubber Sheeting, .500 x 1.75 x 35.5, Oil Cooler Damper	2	19401-	EPDM Sponge Rubber Sheeting
100	BL-4-100-H	1/4-20 X 1 HEX CAP G5 ZC	3		
101	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	4		
102	BL-4-FW	1/4 USS FW ZC	10		
103	BL-4-LN	1/4-20 HEX LN NE ZC	3		
104	BL-4-LW	1/4 SPLIT LW ZC	4		
105	BL-4-N	1/4-20 HEX FIN NUTS ZC	4		
106	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	2		
107	BL-6-125-C	3/8 UNC X 1 1/4 CARRIAGE BOLT GR5 ZINC	1	193-729K	
108	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
109	BL-6-175-C	3/8 UNC X 1 3/4 CARRIAGE BOLT GR5 ZINC	1		
110	BL-6-FW	3/8 USS FW ZC	12	194-729K 194-161K 194-806K 194-231K	
111	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
112	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
113	BL-6-N	3/8-16 HEX NUTS ZC	4	193-729K	
114	BL-8-175-H	1/2-13 X 1 3/4 HEX CAP G5 ZC	4		
115	BL-8-FW	1/2 USS FW ZC	4		
116	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	4		

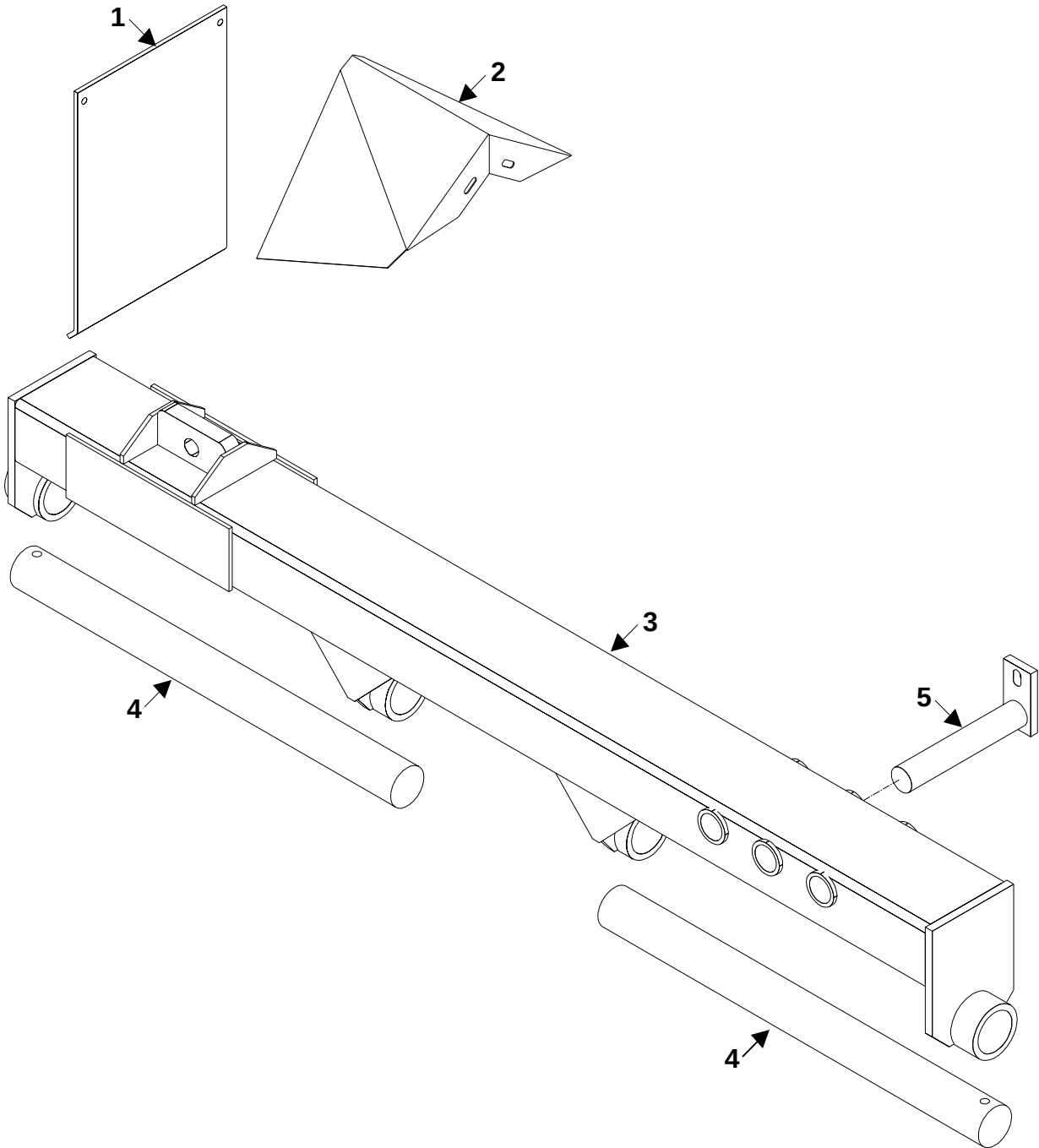
198-1-7 Canopy Assembly



198-1-7 Canopy Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	TRP-1115	Tarp, Sun tarp	1	19101-	
2	192-1116A	Fold out	1	19201-	
3	SHD-1206	Shield, Flashing Light	1	30097001- 19601-	
4	192-1116	Main sun tarp frame	1	19201-	
5	194-1146	Stainless Steel Cable Assembly	1	19201- TRP-1145K	
6	TRP-1145	Dust Tarp	1	19201- TRP-1145K	
7	STRP-1410	14" Tarp Strap-pkg of 10	1		
8	STRP-610	6" Tarp Strap (ea.)	5		
9	TRP-0006	Nylon Rope #6 @ foot	100		
10	BL-6-600-I	Eye Bolt for Horn Cord SS	2		
11	EL-1206	Double Amber Lamp	1		
12	EL-1201	Halogen Lights	4	19201	
13	195-1455	Horn Bracket	1	19501-	
14	195-1456	Horn Switch Bar	1	19501-	
15	SPG-9654	Extention Spring for Horn Switch	1		
16	EL-6610	Horn Switch	1		
17	BU-6-8-N	Bushing, Threaded Pipe, Nylon, 3/8" x 1/2"	1		

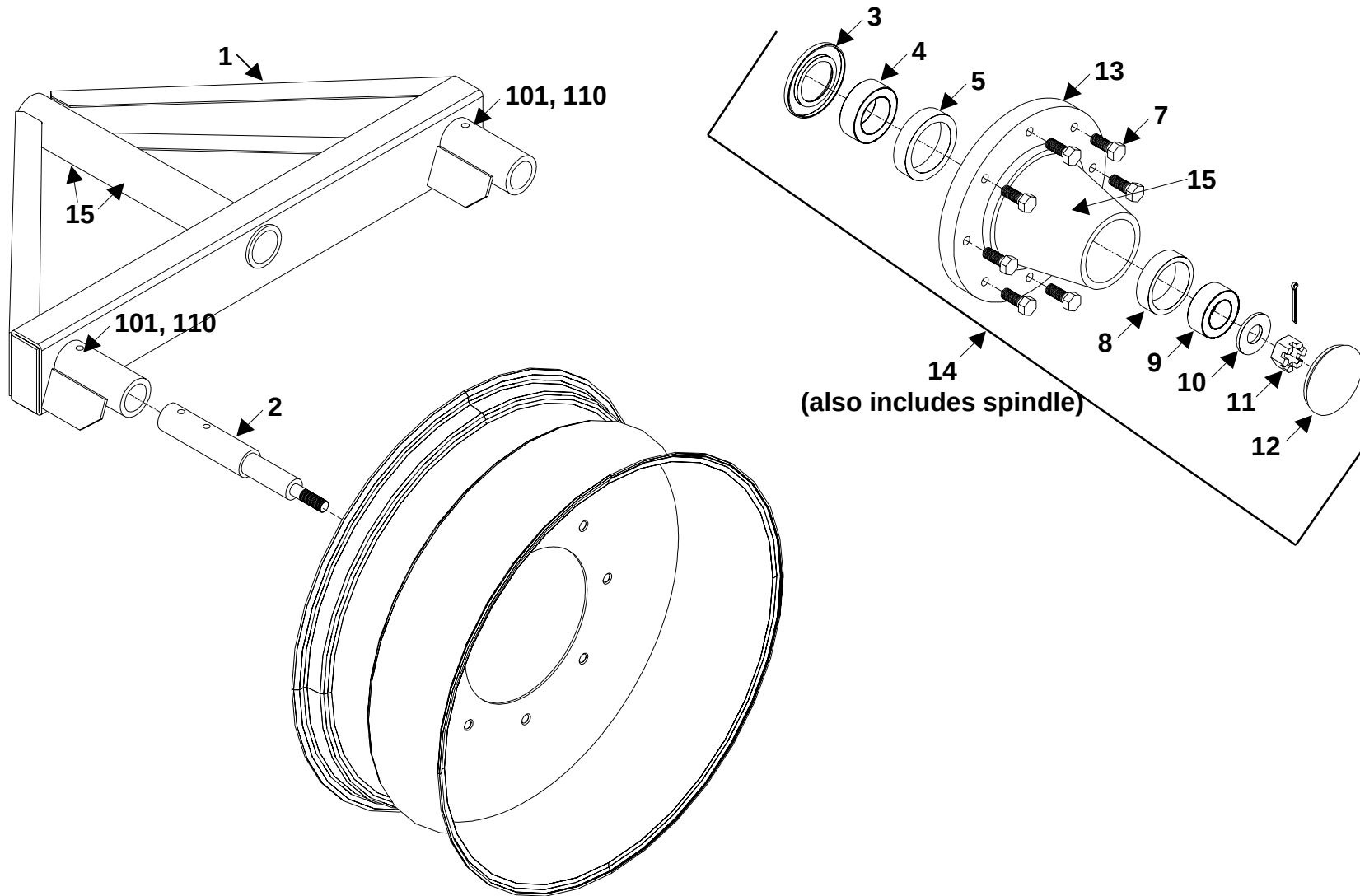
198-1-8 Axle Assembly



198-1-8 Axle Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	PL-1101	Plastic Cover	1	19501-	
2	194-1131	Leveling Cylinder Cover	1	19401-	
3	191-1111	Axle	1	19101-	
4	110-1110	Pin, Rocker	2	110-90-01-	
5	191-1112	Axle Pin	1	19101-	

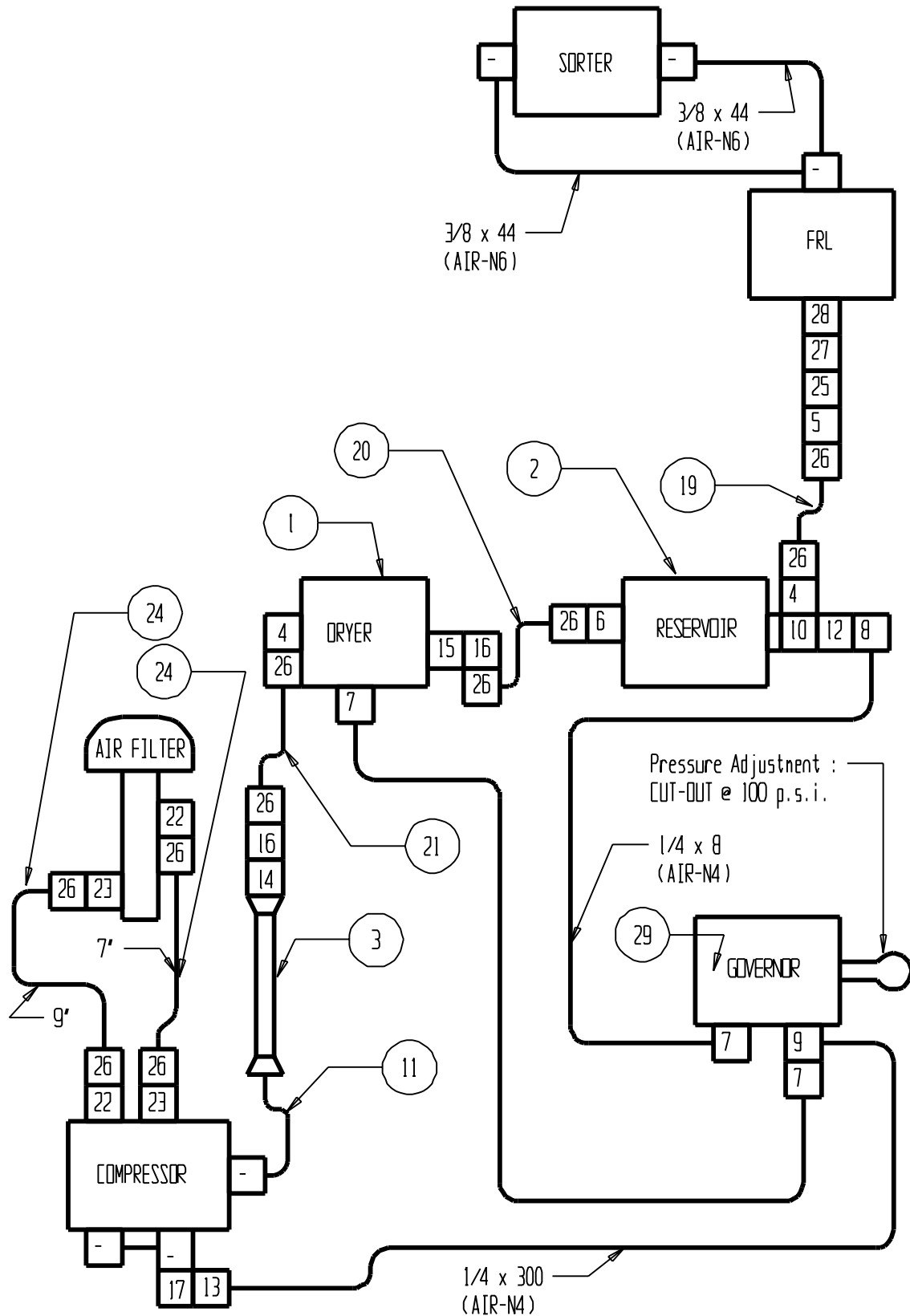
198-1-9 Wheel & Rocker Assembly



198-1-9 Wheel & Rocker Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	WHT-1121	12.5 L15 14 ply McCreary Tire	4	19101	
0	WHT-1122	12.5 x L15 Tube (Heavy Duty)	4	19101	
0	WHT-1123	10 x 15 8 lug Rim	4	19101	8-8-6
1	193-1109	Complete rocker, less spindles (Tomato)	2	19101-	Replaces 110-1109
2	WBR-1108	Spindle for Machine Wheel	4	19301-	Drilled
3	WBR-1107A	Seal CR-20148	4	119101	
4	WBR-1107B	Inside Wheel Bearing	4	19101	
5	WBR-1107F	Inner cup	4	19101	
6	WBR-1107K	Complete Wheel Bearing Kit	4	19101	All
7	WBR-1107L	Wheel, Lug bolts	32	19101	
8	WBR-1107G	Outer cup	4	19101	
9	WBR-1107C	Outside Wheel Bearing	4	19101	
10	WBR-1107H	Washer	4	19101	
11	WBR-1107D	Nut 7/8-14	4	19101	
12	WBR-1107E	Cap	4	19101	
13	WBR-1107	Eight Lug Hub, Complete / (no spindle) 8-8-6	4	19101	
14	WHL-1115	Complete Hub and Spindle Assembly	4		
15	GF-1428	Grease Fitting 1/4" x 28 straight	8	20095001-	
101	BL-8-400-H	1/2-13 X 4 HEX CAP G5 ZC	2		
110	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		

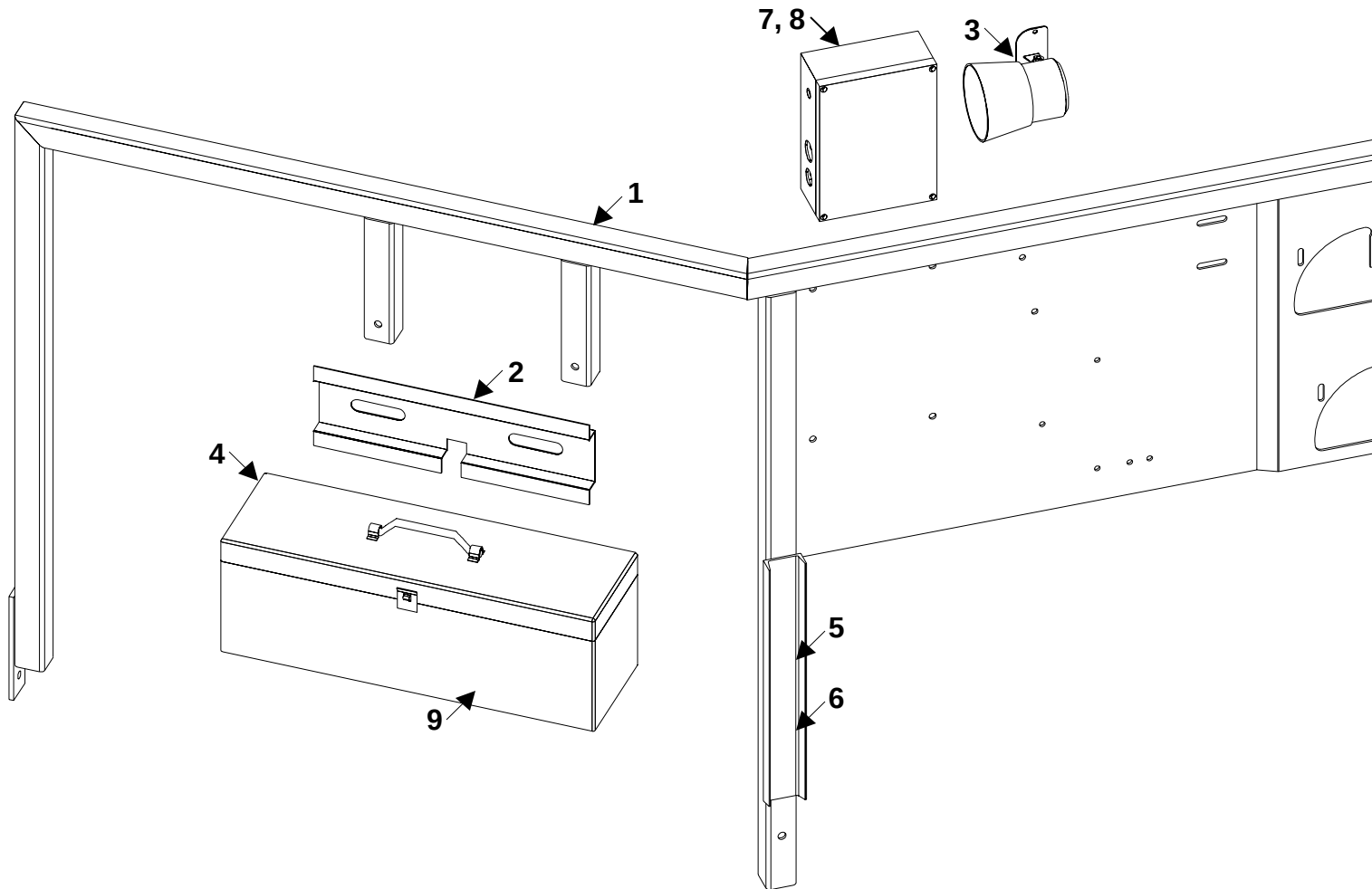
198-1-11 Air Tank Assembly& Pneumatics



198-1-11 Air Tank Assembly & Pneumatics

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	194-1513A	Air Tank Bracket	1	19401-	
0	194-1513B	Bracket, Air Reservoir	1	19401-	
0	195-1513C	Cover, Air Tank	1	19501-	
0	AIR-N4	1/4 in nylon tubing @ ft	0		
1	AIR-1514-M	Air Driver	1		Will replace 110-1514 with minor modifications
2	AIR-1513	Air Reservoir Tank	1		
3	H-T12	3/4" Air Line	1	19701- KIT-0008 KIT-0024	
4	A-4124-10-8	1/2 Male Pipe x 5/8 Push Loc	2		
5	A-4104-10-6	3/8 MP to 5/8 Hose Barb	1		
6	A-4129-10-8	1/2 NPT 90 w/ 5/8" push-loc	1		
7	AIR-N4-2	Auto-loc Male Adapter 1/4 x 1/8 NPT	3		
8	AIR-NL-4-4	Auto-loc Elbow 1/4 n 1/4 NPT	1		
9	AIR-NL4-2	Auto-loc Elbow 1/4 - 1/8 NPT	1		
10	A-5602-8	Run Tee 1/2" NPT	1		
11	H12-36-8MP-12MJ	3/4 in hose 1/2MP x 3/4MJIC x 36 in long	1	19701-	
12	AB-8-4	1/2 x 1/4 Bushing	1		
13	AIR-60BI	Brass Insert for Nylon Tube	1		
14	A-2403-12-10	3/4" MJIC x 5/8" MP	1		
15	A-2501L-10-8	5/8MJIC x 1/2MP(Long)	1	19701-	
16	A-4121-10-10	5/8" Push Loc x 5/8" JIC Female	2		
17	AIR-60	Brass Compression Sleeve	1		
19	H10-PL-130	5/8" Push Loc Hose 130" (Reservoir-FRL)Tomato	1	19701-	
20	H10-PL-41	5/8" Push Loc Hose 41" (Dryer-Reservoir)Tomato	1	19701-	
21	H10-PL-84	5/8" Push Loc Hose 84" (Steel Tube-Dryer)Tomato	1	19701-	
22	A-4109-12-8	1/2 MP to 5/8 Hose Barb 90	2		
23	A-4104-12-8	1/2 MP to 3/4 Hose Barb	2		
24	H12C-4	3/4" Suction Hose @ ft	0		
25	SRT-1579	3/8" Ball Valve	1		
26	CL-16	1" Stainless Steel Gear Clamp	10		
27	A-5404-6-6	Hex Nipple, 3/8" x 3/8"	1		
28	A-1501-6-6	3/8" MP x 3/8" FPX90	1		
29	AIR-1512	Air Compressor Governor	1		

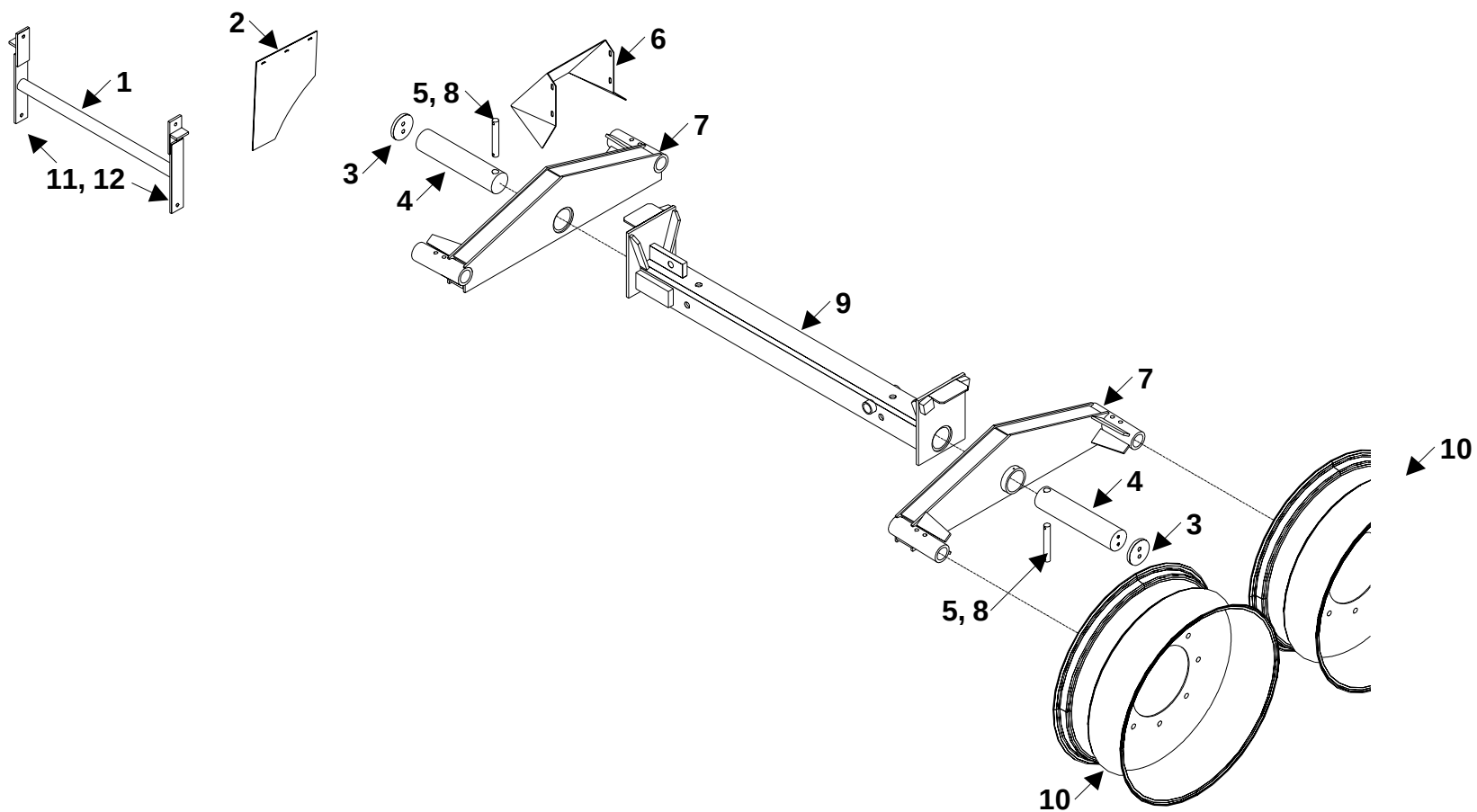
198-1-12 Handrail Assembly



198-1-12 Handrail Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-1414	Front Rail	1	19401-	
2	BOX-7025	Removable Tool Box Mounting	1		
3	EL-6600	Warning Horn	1		
4	BOX-7022	Removable Tool Box	1		
5	HA-1071-H	Hydra-zorb Tube Clamp 1" (3 pc.)	2	19401-	
6	HA-1072-H	Hydra-zorb Tube Clamp 3/4" (3 pc.)	3	19401-	
7	ELP-14	Steel Electrical Panel	1		
8	ELP-14-MOU	Electrical Panel Door Mount, Galvanized Steel	1	19705/19801-	
9	DC-1180	Serious Injur/Death Decal, Read Manual	1		

198-1-18 "Big Wheels" Axle Assembly



198-1-18 "Big Wheels" Axle Assembly

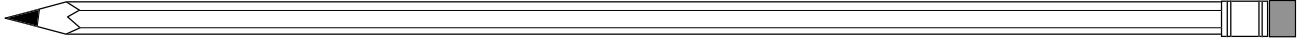
<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	WHT-1125	Goodyear Sure Grip Traction Implement Tire 12 ply	4		
1	BAR-1118	Bar, Hold up, Head Chain, Big Wheel Kit	1	KIT-1118	
2	BT-1118	Belting, Aftersort, "Big Wheel" Kit	1	KIT-1118 19201-	
3	SUP-1121	Support, Rocker, Big Wheel (Tomato)	2	KIT-1118	
4	SFT-1118	Shaft, Rocker Mount, Big Wheel (Tomato)	2	KIT-1118	
5	PIN-1118	Pin, Shaft Holder, Big Wheel (Tomato)	2	KIT-1118	
6	COV-1118	Cover, Level Cylinder	1		
7	WHL-1121	Rocker, Big Wheel	2		
8	PIN-6-32	Roll Pin 3/8" x 2"	2		
9	WHL-1118	Wheel, Axle, Big Wheel (Tomato)	1	KIT-1118	
10	WHL-3007	16.1" Wheel 8-8-6-1 1/8" Positive Offset	4		
11	RLR-040-108	Roller 4" Flat (Tire)	2	11001- 20095001- 30095001-	
12	RLA-000-118	Standoff, 1/2" X 1 1/8"	2	11001	

SECTION 1: PARTS

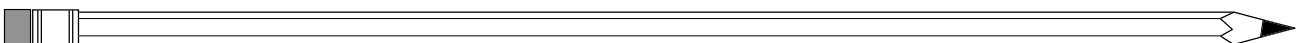
198-2-1 **Pick-Up Header Options**

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	6000	34" & 36" Disk Header for Tomato (1996)	1	19101-	

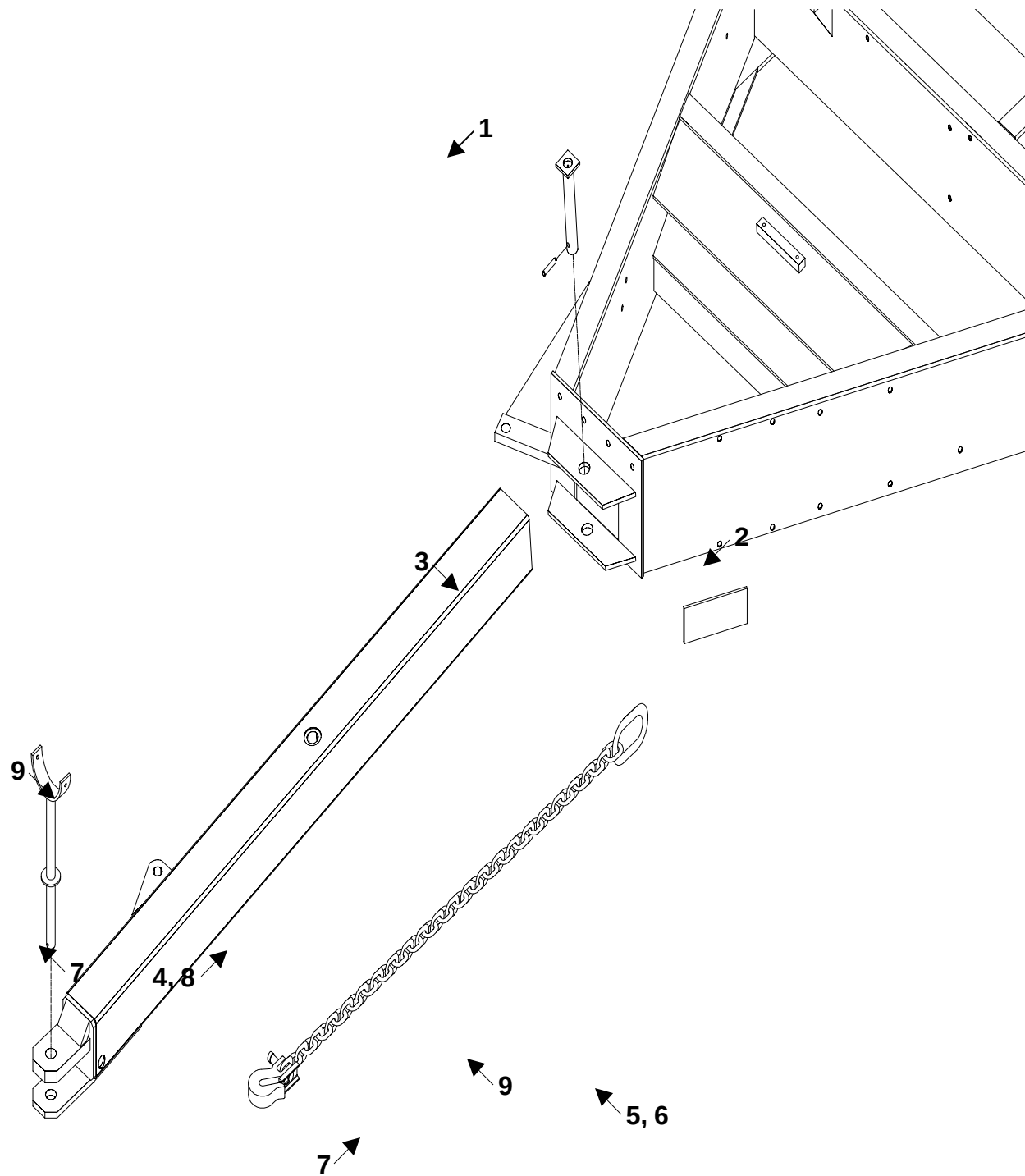
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



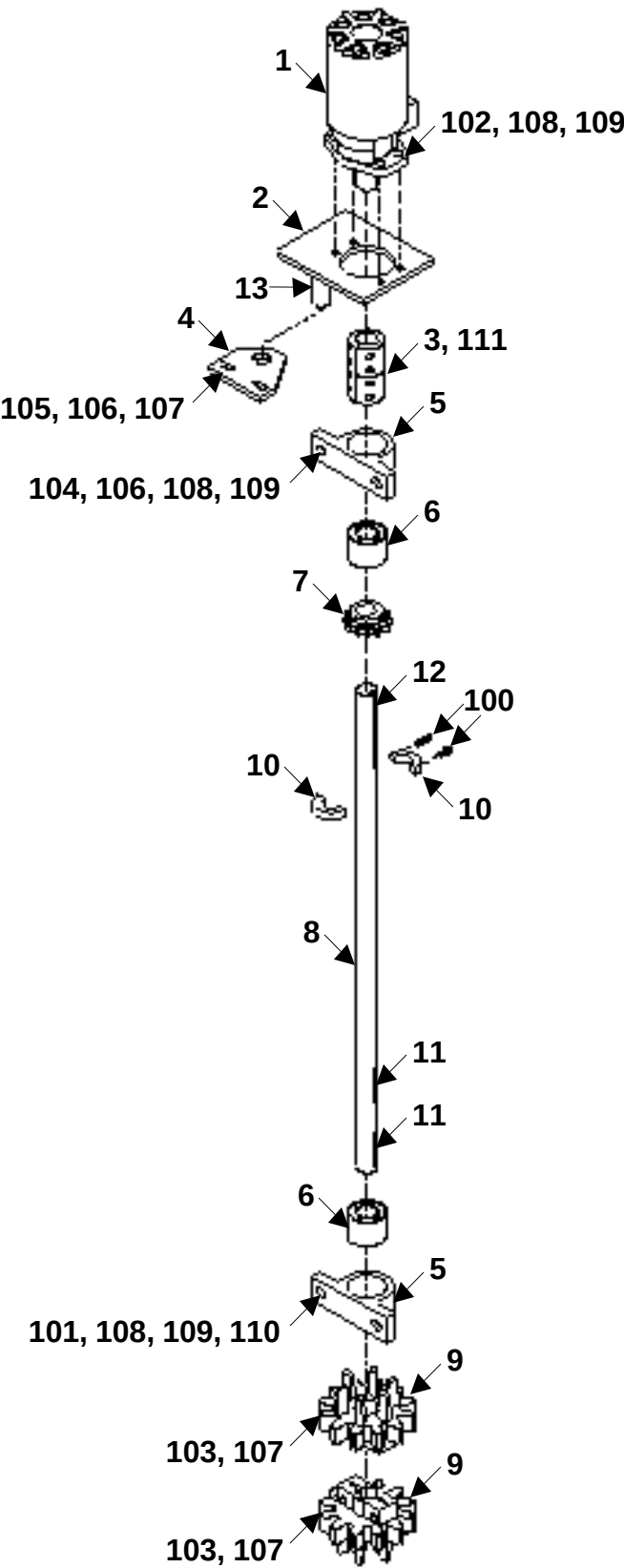
60098-1-1 Disk Header Frame Assembly



60098-1-1 Disk Header Frame Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-139	Shield, Disk Header Cover (Tomato)	1	19201-	
2	194-109	Disk Motor Stabilizer Bar	1	19401-19525 60096001- 61096001- 194-231K	
3	194-130	Disk Header (Tomato)	1	19401-	
4	192-139A	Safety Bar	1	19201-	
5	SHD-1206	Shield, Flashing Light	1	30097001- 19601-	
6	EL-1206	Double Amber Lamp	1		
7	EL-1201	Halogen Lights	2	19201	
8	DC-26812	CAUTION Tape 3" X 54'	0		
9	DC-1176	Decal, Danger-Hand Chain Sprockets	2		

60098-1-2 Drive Shaft Assembly



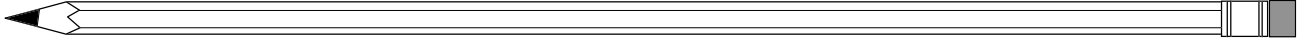
60098-1-2 Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HM-118R	Disk Drive Motor	2	11001	Available as update kit
2	194-108	Disk Motor Mount	2	19401-19525 30095001- 194-231K GCD-108-K 61396001- 60096001-	Available as update kit
3	CPS-6056	Steel Coupler (offcenter) 1 1/4" x 1 1/4"	2	19101-19525 30095001- 60096001- 61096001- 61396001-	Replaces CPS-231
4	194-109A	Disk Motor Stop	2	19401- 61095001- 61395001- 63095001- GCD-108-K 194-231K	Available as update kit
5	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	4	20095001- KIT-1700 194-231K 195-208K	
6	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	4	11001- 20095001- KIT-1700 194-231K 195-208K	
7	SP-60B14-20-5	Sprocket, 60B14 1 1/4 bore 5/16 keyway	2	19401- 194-231K	191-116 Old P/N Not used '91 to '93 except on machines without gathering chains. Used on all machines upgraded with direct drive gathering chain kits.
8	194-155	Shaft, Gathering Chain	2	19101- 61395001- 61095001-	Available as update kit
9	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	4	11001	Sub SP-3612-20-4
10	SC-20-2	Shaft Collar, 2 piece 1 1/4" bore	2		
11	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	4		
12	KEY-5-5-20	Shaft Key 5/16" sq x 1 1/4" Square Cut (1018)	2	194-231K	
13	PIN-9069	Roll Pin, 3/16" x 1 1/2"	2		
100	BL-4-075-SCS	1/4-28 x 3/4" Socket Head Cap Screw	4		
101	BL-6-100-C	3/8 UNC X 1 CARRIAGE BOLT GR5 ZINC	4		
102	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	8		
103	BL-6-200-H	3/8-16 X 2 HEX CAP G5 ZC	8	HV-1045K	
104	BL-6-225-C	3/8 UNC X 2 1/4 CARRIAGE BOLT GR5 ZINC	4		

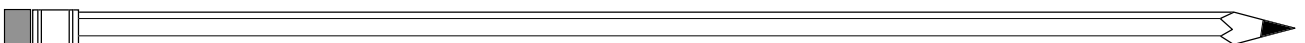
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
105	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	4	194-231K	
106	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	6		
107	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	6		
108	BL-6-LW	3/8 SPLIT LW ZC	12	193-729K 194-806K	
109	BL-6-N	3/8-16 HEX NUTS ZC	12	193-729K	
110	BL-6-SW	3/8 SAE FW ZC	2		
111	BL-5-100-SF	5/16-24 x 1 Socket Head Cap Screw	4		

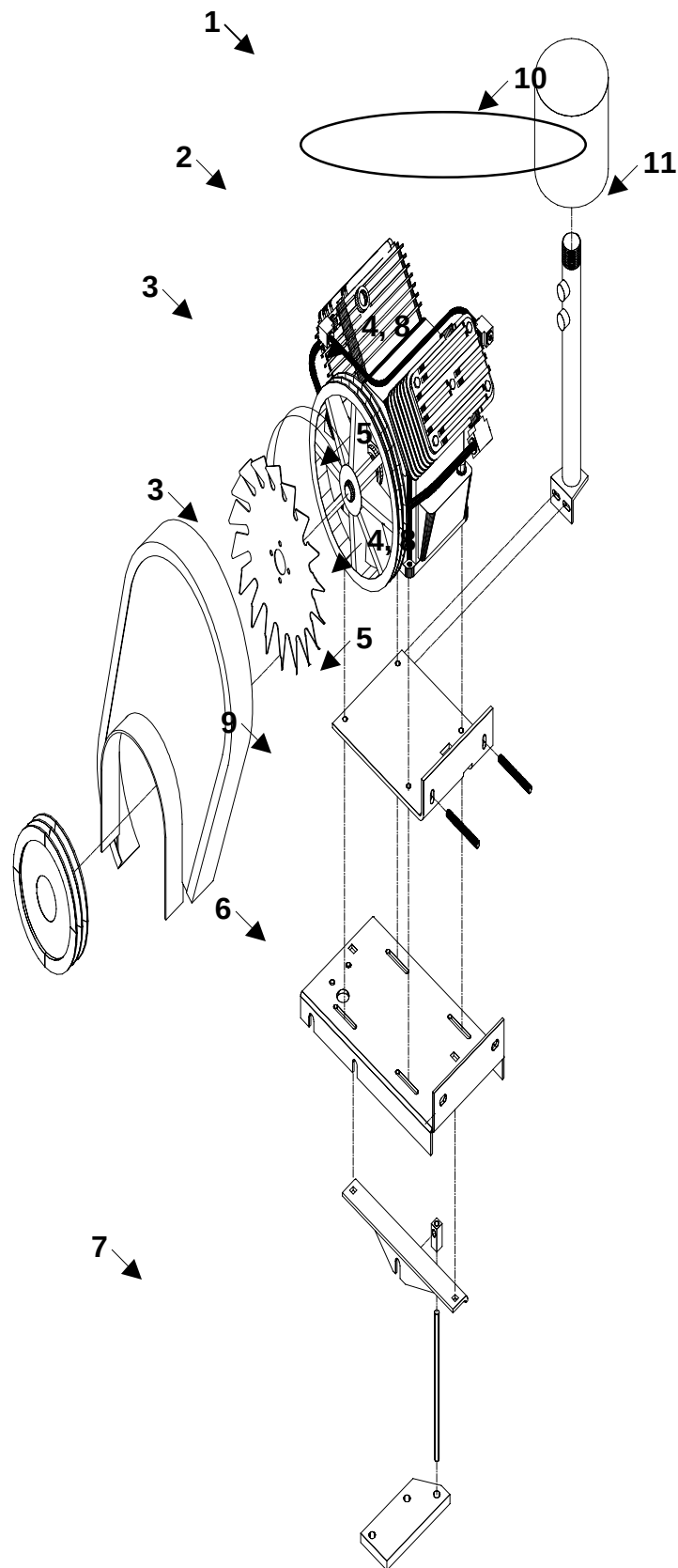
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



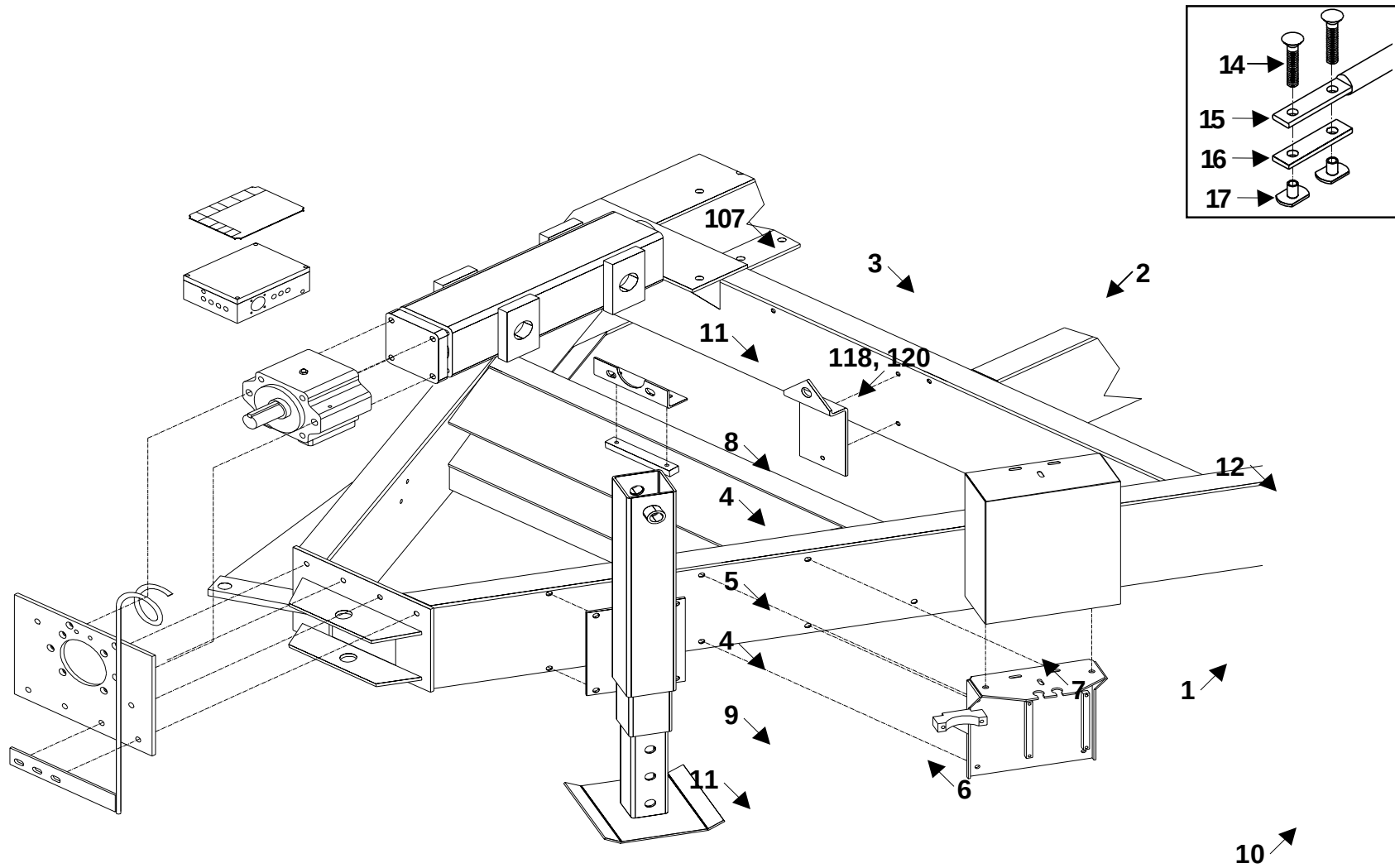
60098-1-3 Disk Shaft Assembly



60098-1-3 Disk Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	SP-SK-2	Sprocket, Bushing SK	2	19101	
2	SP-60SK35	Disk shaft Sprocket	2	19101	
3	192-131S	Disk Bearing Spacer	4	19201-	May be omitted
4	BR-100-RAK	2" Bearing Housing	4	11001	
5	BR-200-100	2" Fafnir Bearing, Tri-ply	4	11001	
6	191-131	Shaft, Disk	2	19101-19525 30095001-30095003 60096001- 61096001- 61396001-	
7	HD-140-04	Disk, Disk Header	2	11001-19525 60096001-	
7	HD-140-06	Disk, Disk Header	2		
8	GF-1428	Grease Fitting 1/4" x 28 straight	4	20095001-	
9	KEY-8-8-40	Shaft Key 1/2" x 1/2" x 2 1/2"	2		
10	CH-60H-67	Roller Chain 67 pitches #60H Disk Drive(Tomato) w/master link	2	19101	
11	SP-6015-T	Idler, # 60 Roller Chain Adjuster	2	19201	

60098-1-4 Gathering Chain Assembly

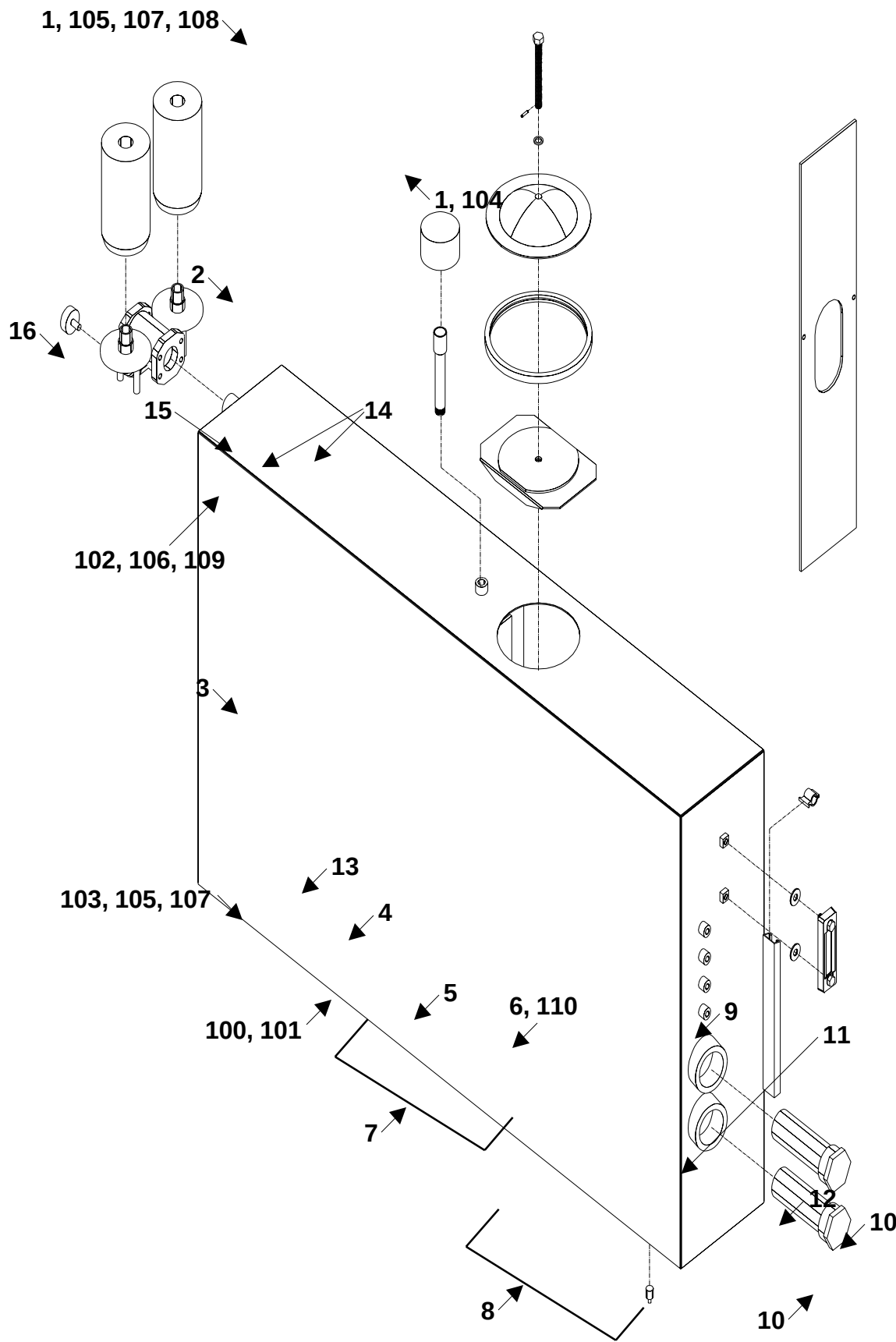


60098-1-4 Gathering Chain Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	ADJ-155	Adjuster, Nose Tightener, Gathering Chain	2	19601-20096001-194-161K	
2	BRA-1821	Gathering Chain Bracket	2	19601-20096001-194-161K	
3	BRA-1811	Mounting Bracket, Gathering Chain	2	194-161K 20096001-60096001-61096001-61395001-	
4	194-184	Roller Positioner	4	19401-191-161K	
5	192-107A	Slide Guide Roller	2	60096001-61396001-19101-194-161K 194-901	
6	196-171A	Scraper, Disk Hub, Disk Header	2	19601-60196001-	
7	196-171	Scraper, Upper Disk, Header	2	60096001-194-161K	Replaces 194-171
8	SPA-6130	Roller Spacer (Gathering Chain)	2	61395001-19201-KIT-0033	
9	SPA-6131	Spacer, Gathering Chain Assy, Rollers	2	60097001-	
10	RLT-035-2210	Roller 3.5 dia x 2.2 x 5/8" bore, no flange	2	194-161K	
11	RLT-035-228	Roller 3.5 dia x 2.2 x 1/2" bore, no flange	4		
12	RLT-535-2210	5" Flange Roller 2.2 WF 3.5 dia, 5/8" bore	2	194-161K	
13	BC-6-1236-60	Gathering chain, 3/8 bars 12in wide x 60 links 36mm	2	19101-20095001-	
14	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	16	11001	For Clip Splice Option Sub 191-694
15	BC-6-12-ST	3/8" x 12" Belted Chain Rod for 50mm Belt	4	1910119320	
16	BC-BP20-10-T	20mm Backing Plates /10-32 T Nuts	8		
17	BC-1032-TN	10-32 T Nuts	16	11001	Lap Splice Option
107	BL-8-1200-H	1/2-13 X 12 HEX CAP G5 ZC	2		
118	BL-10-800-T	5/8-11 X 8 HEX TAP G5 ZC	2	19401-20095001-194-161K	
120	BL-10-N	5/8-11 HEX FIN NUTS ZC	2	194-161K	

SECTION 1: PARTS

60098-1-5 Guage Wheel Assembly

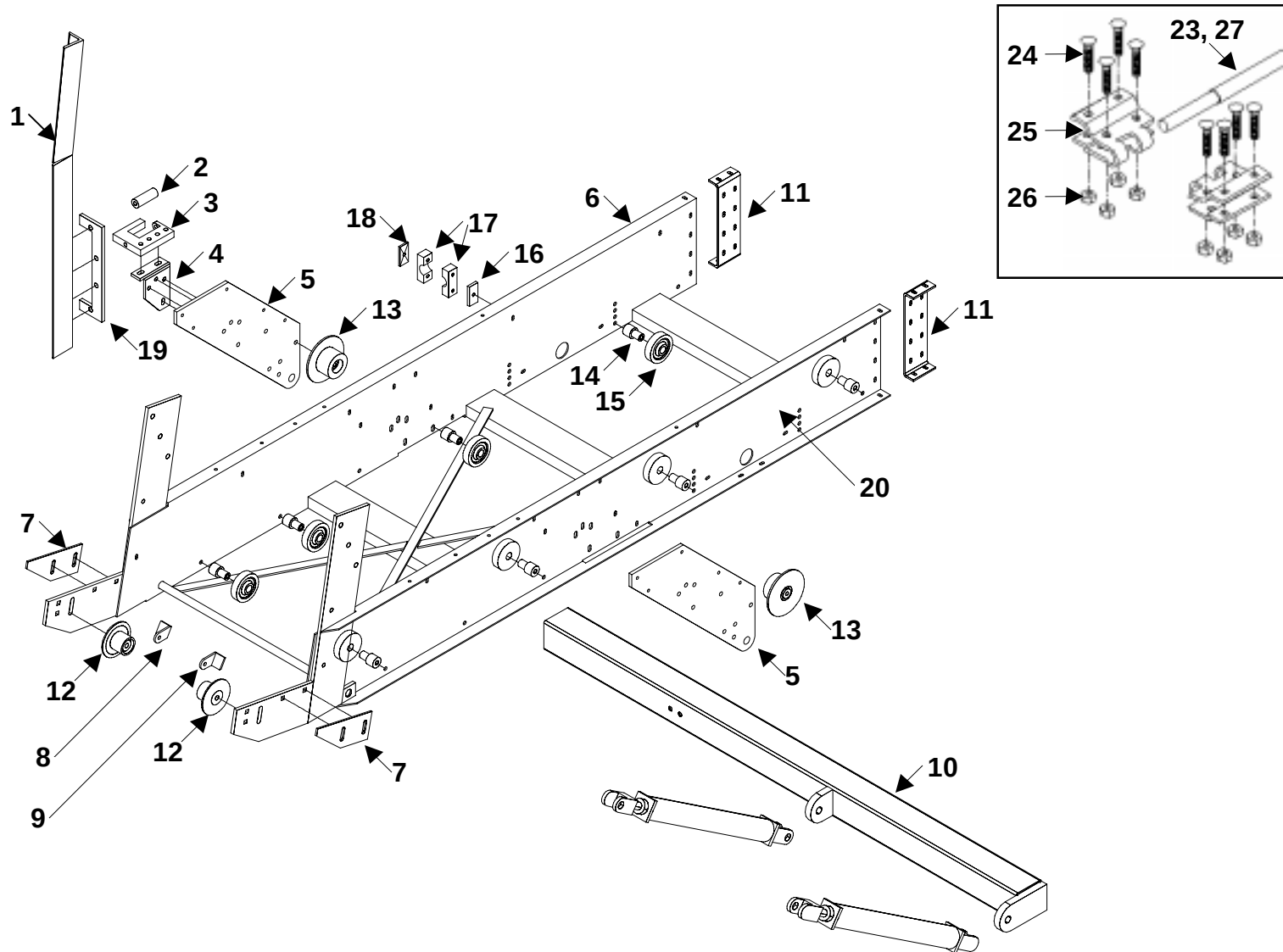


60098-1-5 Gauge Wheel Assembly

Ref	Part No.	Description	Parts – Assembly	Will Fit SN	Remarks
1	193-188	Adjuster, Gauge Wheels, for higher beds	4	19301-	
2	194-187	Gauge Wheel, Outer Frame	2	19201-	
3	194-186	Gauge Wheel, Inner slider	2	19201-	
4	WHL-191	Wheel, Spindle Mount for Gauge Wheel	2	19201-	With WBR-199S replaces WBR-199A for Bolt in Spindle.
5	WBR-199S	Gauge Wheel Spindle Only	2	19701-61396001-	With WHL-191 replaces WBR-199A
6	WBR-199B	Header Wheel Hub Only	2	19201-19525 60096001- 61396001-	
7	WHL-190	Gauge Wheel Hub and Spindle Complete	2		
8	WHL-196	Gauge Wheel Rim & Tire	2	19201	Combination of WHL-197 and WHL-198
9	WHL-198	Gauge Wheel Tire	2	19201	
10	WBR-199L	Luq Bolt for Gauge Wheel	8		
11	WHL-197	Gauge Wheel Rim	2	19201	
12	WHL-178	Bearing Protector @Pair	1		
13	SPA-194	Spacer, Gauge Wheel Disk Header, Tomato	2	19701-	
14	GF-1428	Grease Fitting 1/4" x 28 straight	6	20095001-	
15	GF-1428-90	Grease Fitting 1/4" x 28 90	2	11001-20095001-	
16	HC-200-2408	Hydraulic cylinder 2" x 24" #8 SAE Ports	2	19201	
100	BL-6-250-8	3/8-16 X 2 1/2 HH C/S GR8 ZC	1		
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	1		
102	BL-8-125-H	1/2-13 X 1 1/4 HEX CAP G5 ZC	8		
103	BL-8-150-H	1/2 UNC X 1 1/2 HH C/S BOLT GR5 ZINC	8	194-161K 195-208K	
104	BL-8-275-C	1/2 UNC X 2 3/4 CARRIAGE BOLT GR5 ZINC	4		
105	BL-8-FW-8	1/2 FLAT WASHER G8 ZC	12	KIT-0005	
106	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	8		
107	BL-8-LW	1/2 SPLIT LW ZC	12		
108	BL-8-N	1/2-13 HEX FIN NUTS ZC	4		
109	BL-8-SW	1/2 SAE FW ZC	16		
110	BL-8-NF	1/2-20 HEX FIN NUTS ZC	8		

EXTRA PAGE

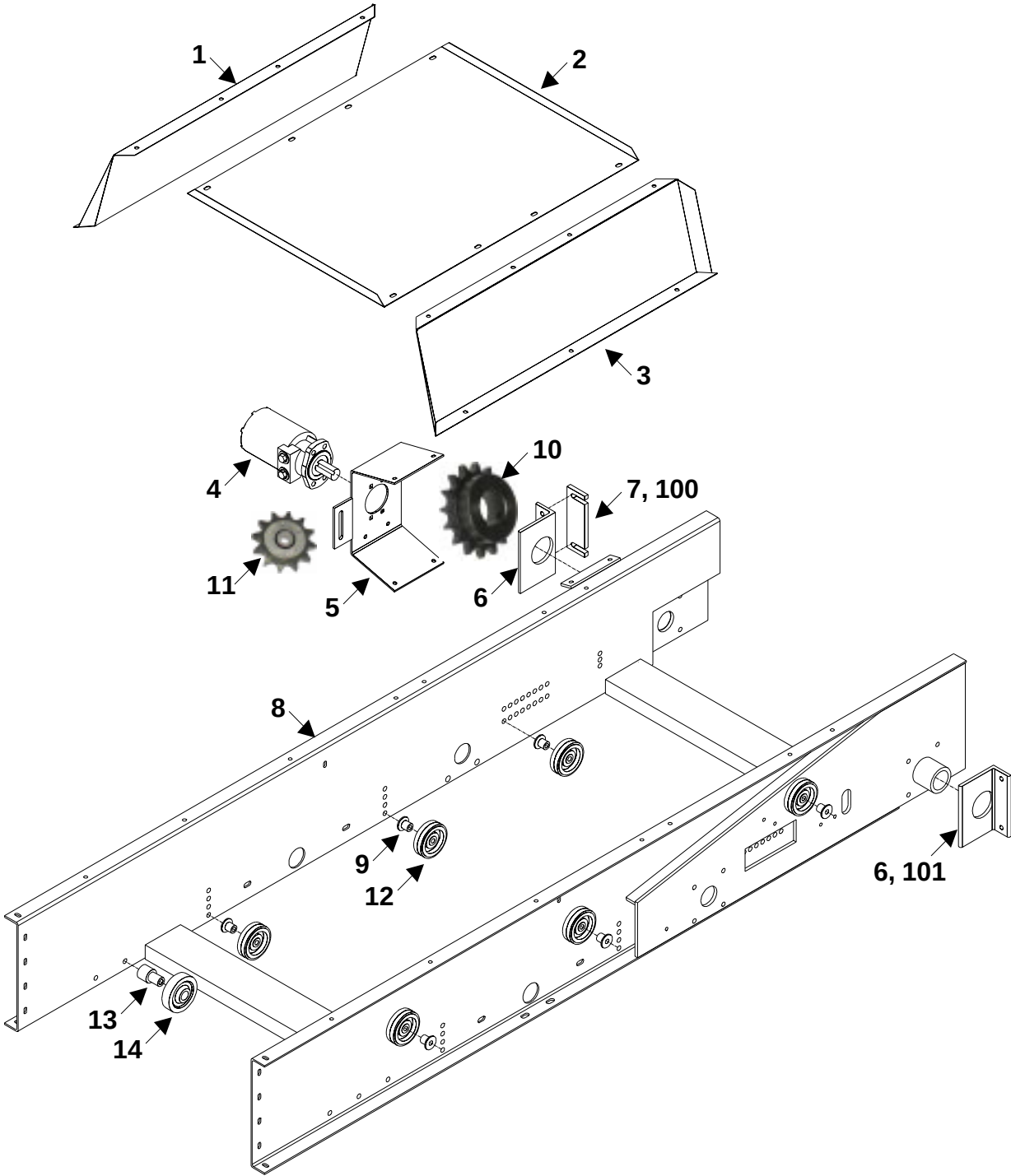
198-2-2 Primary Header Conveyor Assembly



198-2-2 Primary Header Conveyor

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-108	Header slide guide bar	1	19101-	
2	192-107A	Slide Guide Roller	1	60096001- 61396001- 19101- 194-161K 194-901	
3	192-107	Slide Guide, Header	1	19201-	
4	195-101J	Slide Guide Mount, Header	1	19501-	
5	195-101D	Header Cylinder Mounts	2	19501-	
6	195-101F	Front Header Conveyor	1	19501-	
7	191-142	Scraper, Under Disk	2	19101-	
8	RLA-3024-TM	Scraper for Nose Roller, LH	1	For use with RLS-522- 2010-SC roller only	
9	RLA-3023-TM	Scraper for Nose Roller, RH	1	For use with RLS-522- 2010-SC roller only	
10	192-1113	Mount, Header cylinder	1	19201-	
11	195-101C	Header Connector Bar	2	19501-	
12	RLS-522-2010-SC	Steel Roller, 5" Flange, 2.2" Dia. 2" wide, w/Hub for Scraper	2	For use with scrapers RLA-3023-TM (RH) and RLA-3024-TM (LH) only	
13	RLT-635-228	6 1/2" Flange Roller 2.2 WF 3.5 dia, 1/2" bore	2		
14	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	8	19101-	
15	RLG-040-1016	4" Urethane (Red)	8		
16	SPA-1050	Spacer for Hydraulic Tube Mount	4		
17	HA-1051	Hyd, Clamp Halves	8	19101-	
18	HA-1052	Hyd, Cover Plate	4	19101-	
19	SPA-108	Spacer, Slide Guide Angle, Primary Header	1	19701-	
20	DC-1177	Decal, Large White PIK RITE 8" x 58"	1		
21	BC-7-3242-265	Header chains, 7/16" bar 42 mm pitch 265 links	1	19001	
23	BC-3525	Grip Clip	2		
24	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	16	11001	For Clip Splice Option Sub 191-694
25	BC-F-42-32	F Connecting Clip 42-32 @ pair	2		For Clip Splice Option
26	BC-1032-LN	10-32 lock nuts	16		
27	BC-7-32-CN	Connecting Rod 32" x 10mm	1		For Clip Splice Option

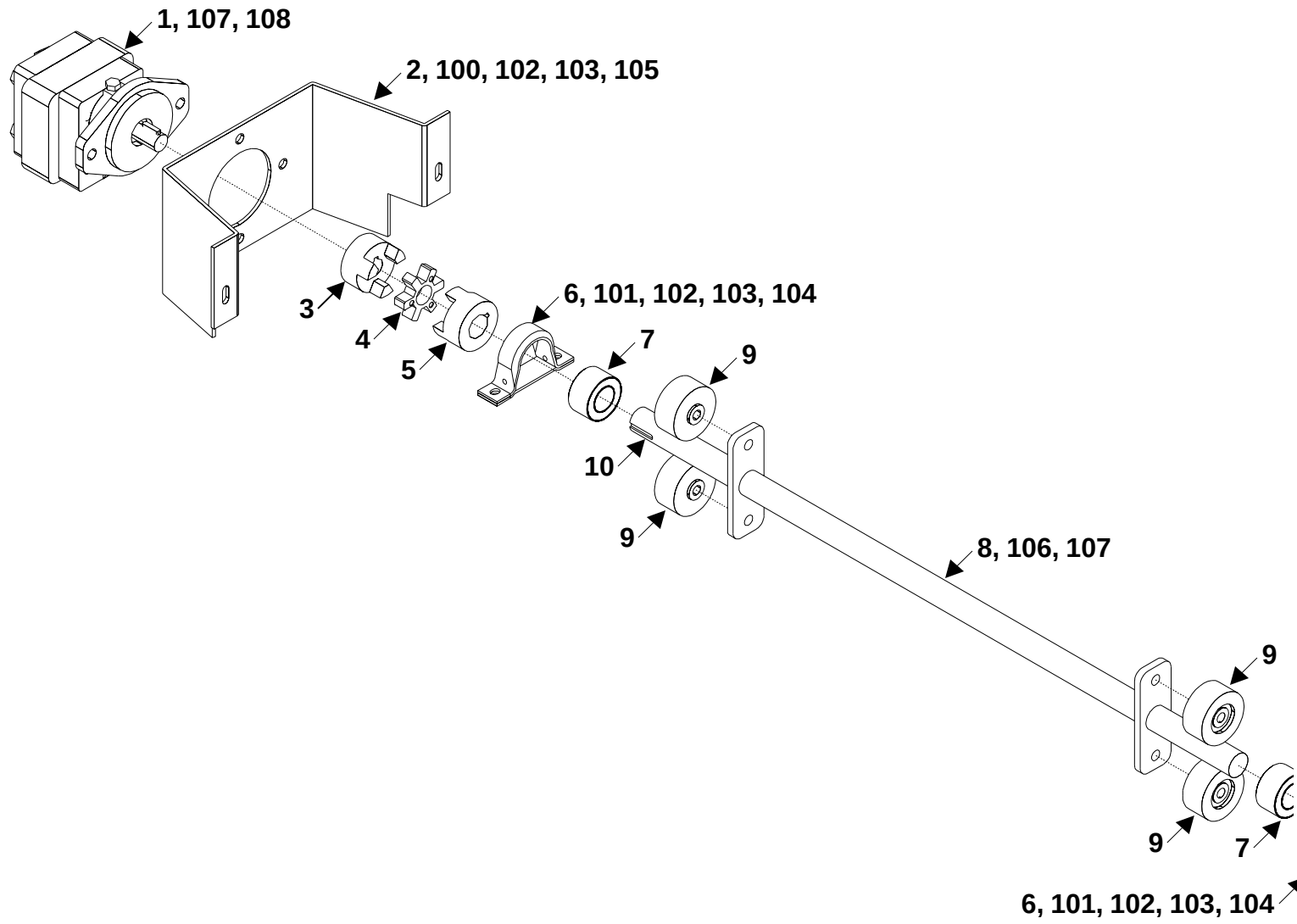
198-2-3 Secondary Header Frame Assembly



198-2-3 Secondary Header Frame Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-137B	Vibrator cover, inner	1	19101-	
2	191-137	Vibrator cover, Top	1	19101-	
3	191-137A	Vibrator cover, outer	1	19101-	
4	HM-118R	Disk Drive Motor	1	11001	Available as update kit
5	MOU-101R	Mount. Motor, Header (Tomato)	1	19601-	
6	191-106	Bracket, Header Mount, Pivot	2	19101-	
7	SPA-106-4	Spacer, Header Mount, Pivot (Tomato)	0	19201-	
7	SPA-106-6	Spacer, Header Mount, Pivot (Tomato)	0	19201-	
7	SPA-106-8	Spacer, Header Mount, Pivot (Tomato)	2	19201-	
8	FRM-101R	Frame, Header Conveyor, Rear (Tomato)	1	19601-	Replaces 195-101R
9	RLA-000-118	Standoff, 1/2" X 1 1/8"	6	11001	
10	SP-60B20-20-5	Sprocket, Header Drive (motor)	1		
11	SP-6015-T	Idler, # 60 Roller Chain Adjuster	1	19201	
12	RLR-040-108	Roller 4" Flat (Tire)	6	11001- 20095001- 30095001-	
13	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	1	19101-	
14	RLG-040-1016	4" Urethane (Red)	1		
100	BL-8-750-8	1/2-13 x 7 1/2 Grade 8 Hex Head Cap Screws	2		
101	BL-8-650-8	1/2-13 X 6 1/2 GR8 HH BOLT	2		

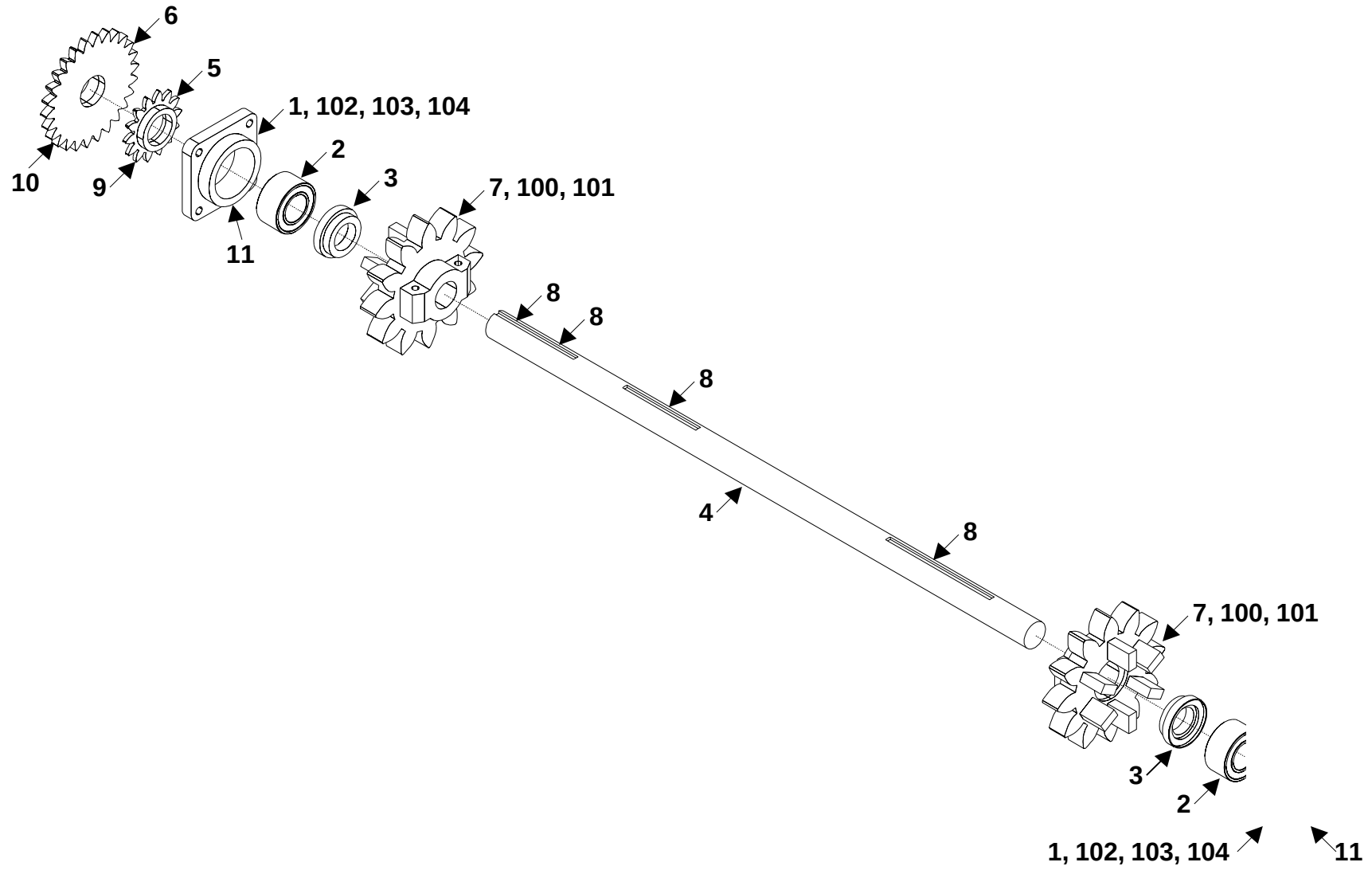
198-2-4 Vibrator Shaft Assembly



198-2-4 Vibrator Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HM-412C	Hydraulic Motor -Shaker Weight-Vibrator (Commercial)	1	19101	Sub 191-412
2	192-138	Mount, Vibrator Motor	1	19201-	
3	CPJ-7081	Coupler, Motor side 7/8 bore	1	1910119320	Sub 194-7081 Assembly
4	CPJ-6055	Coupler, Urethane Spider	1	19101	For use with CPJ-6052 and CPJ-6051 Sub CPS-6053
5	CPJ-6052	Coupler, Shaft side 1 1/4in. bore	1	19101	Sub 194-6053 Exept on Debris Fan
6	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
7	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
8	192-136	Vibrator shaft	1	19201-	
9	RLR-027-108	Smooth Rubber Vibrator Rollers	4	19101-KIT-1700	Sub RLU-027-108
10	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
100	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	2		
101	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
102	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	8		
103	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	6		
104	BL-6-SW	3/8 SAE FW ZC	4		
105	BL-8-150-H	1/2 UNC X 1 1/2 HH C/S BOLT GR5 ZINC	2	194-161K 195-208K	
106	BL-8-275-H	1/2 UNC X 2 3/4 HH C/S BOLT GR5 ZINC	4		
107	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	6		
108	BL-8-SW	1/2 SAE FW ZC	2		

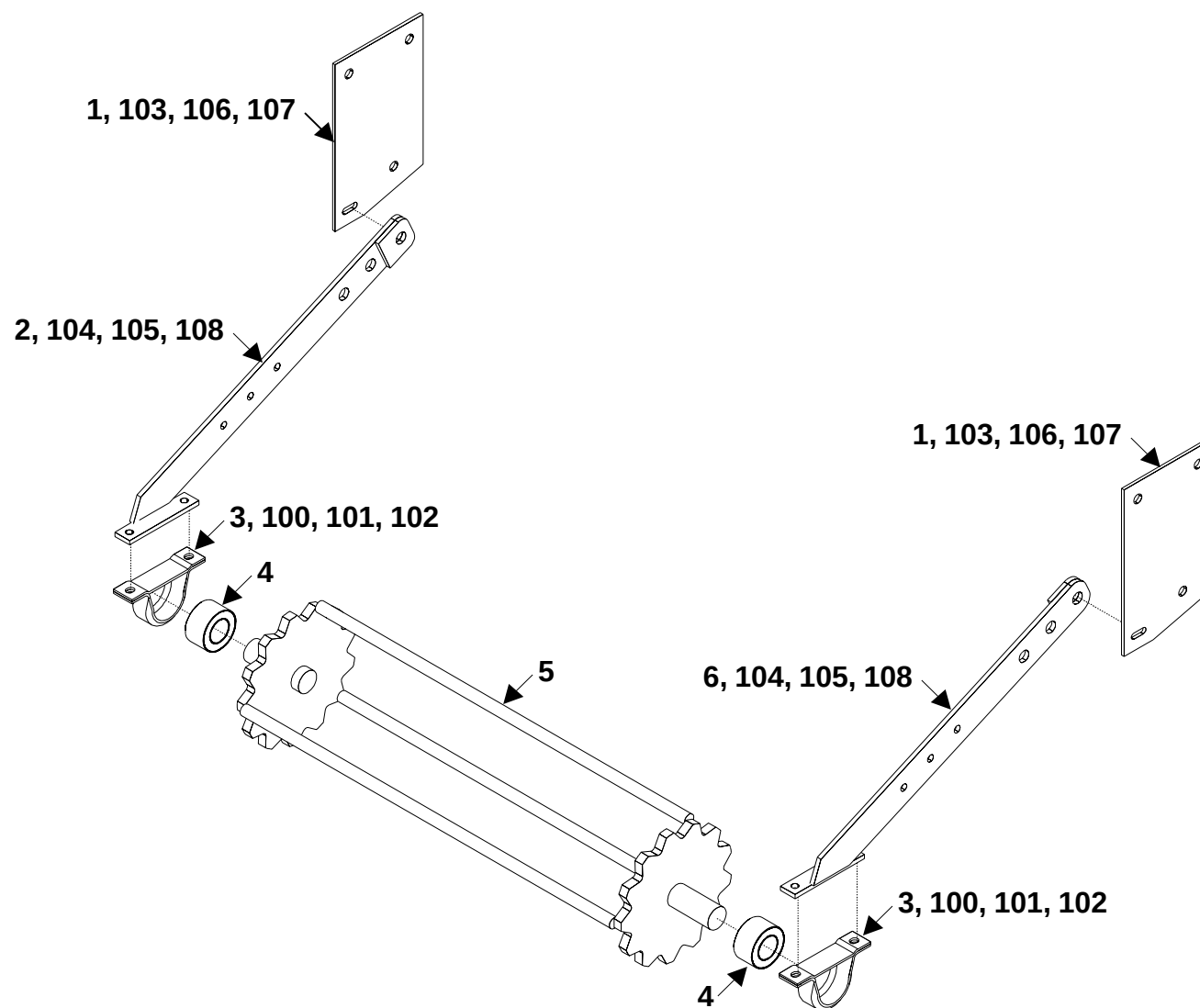
198-2-5 Header Conveyor Drive Shaft Assembly



198-2-5 Header Conveyor Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-085-RCJ	RCJ Bearing Housing	2	11001	
2	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2	19101	
3	BR-175-LC	1 3/4" Locking Collar - Bearing Protector	2		
4	110-112	Shaft, Header Drive	1	11001-192-101K	
5	SP-50B16-28-6	Sprocket, Feeder roll drive #50B16 1 3/4 bore	1	11001	
6	SP-60B27-28-6	Sprocket, Header Drive (driven)	1	19101	
7	SPU-4212-28-6	Urethane Sprocket 42mm x 12 tooth, 1 3/4" x 3/8 key	2	19101	Sub SP-4212-28-6
8	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	4		
9	CH-50-41	Roller Chain 41 pitches #50 Feeder Roller w/master link(Pickle & Tomato)	1		
10	CH-60H-51	Roller Chain 51 pitches #60H Header Drive(Tomato & Cucumber) w/master link	1		
11	GF-1428	Grease Fitting 1/4" x 28 straight	2	20095001-	
100	BL-6-225-H	3/8 UNC X 2 1/4 HH C/S BOLT GR5 ZINC	4		
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-8-150-H	1/2 UNC X 1 1/2 HH C/S BOLT GR5 ZINC	8	194-161K 195-208K	
103	BL-8-LW	1/2 SPLIT LW ZC	8		
104	BL-8-SW	1/2 SAE FW ZC	8		

198-2-6 Header Chain Cleaner Assembly

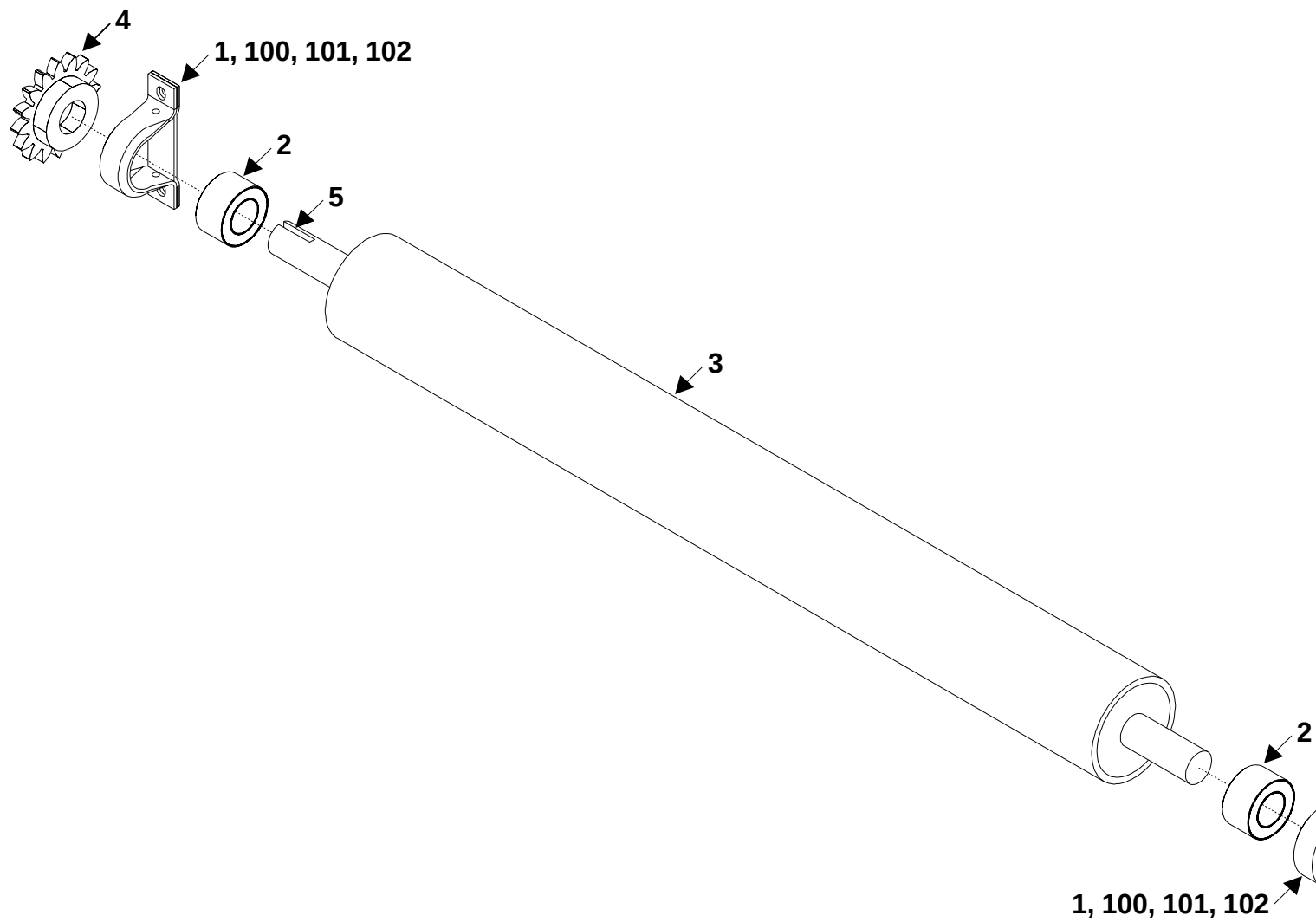


198-2-6 Header Chain Cleaner Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-163	Cleaner bar bracket	2	19101-	
2	192-362B	Chain cleaner bar (Right)	1	19101	
3	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
4	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001-KIT-1700 194-231K 195-208K	
5	192-162	32in chain cleaner only 42mm	1		
6	192-362A	Chain cleaner bar (Left)	1	19101- 192-360K 192-1960K 192-660K 192-160K	
100	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		
103	BL-8-225-H	1/2-13 X 2 1/4 HEX CAP G5 ZC	4		
104	BL-8-FW-8	1/2 FLAT WASHER G8 ZC	4	KIT-0005	
105	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		
106	BL-8-LW	1/2 SPLIT LW ZC	4		
107	BL-8-SW	1/2 SAE FW ZC	4		
108	BL-10-075-SH	5/8 X 3/4 SHOULDER BOLTS	2	11001-	

198-2-7 Header Roller Assembly

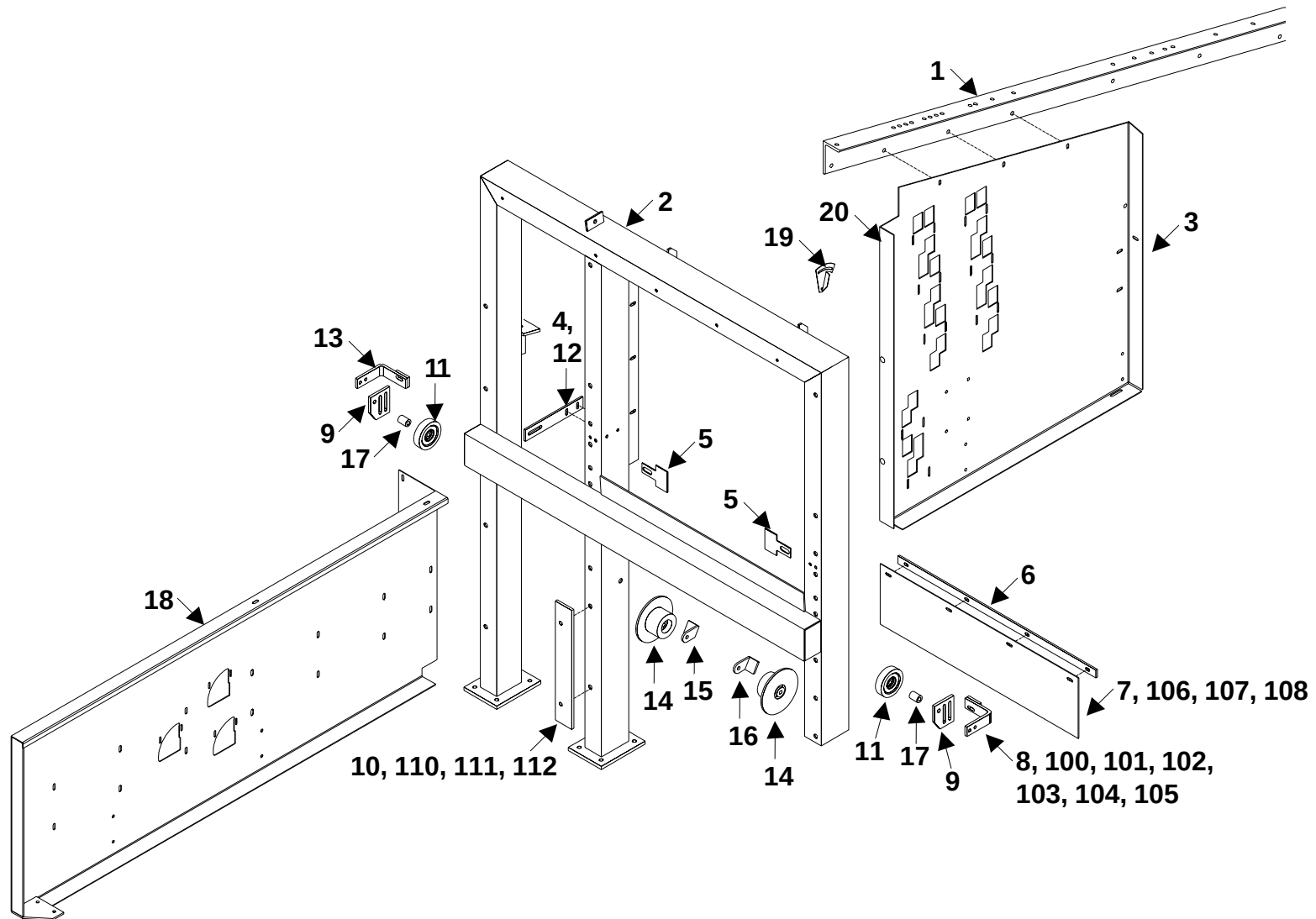
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198-2-7 Header Roller Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
3	194-209	Transfer - Header Roller	1	19401-	Update kits
4	SP-50B16-20-4	Roller Chain Sprocket, 50 x 16 Tooth	1	11001-195-208K	
5	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
100	BL-6-600-H	3/8 UNC X 6 HH C/S BOLT GR5 ZINC	4		
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		

198-3-1 Shaker Frame Assembly



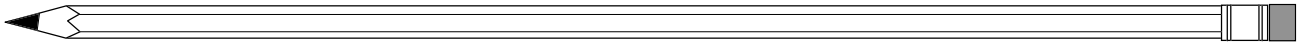
198-3-1 Shaker Frame Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-1133A	Shaker Angle (3 x 5 angle)	1	19101-	
2	191-1132	Frame, Shaker (3 x 5 tubing)	1	19101-	
3	194-1134	Panel, Shaker Angle	1	19401-	
4	194-114	Tightner Bracket	1	19401-	
5	193-126	Saver Tab	2	19301-	
6	191-210A	Transfer Entrance Belting Bar	1	19101-	
7	191-210	Transfer Belting Shield	1	19101-	
8	BRA-106	Bracket, Header Roller, Outer	1	19101-	
9	BRA-107	Bracket, Header Roller	2		
10	BAR-1130	Bar, Backing Plate Shaker Frame Assembly	1	19501-KIT-0030	
11	RLR-040-108	Roller 4" Flat (Tire)	2	11001-20095001-30095001-	
12	SP-5017-T	Idler, 17 tooth x #50 Chain	1	19201-195-208K 194-300K 194-700K 194-610K 193-1520K	Update Kits
13	BRA-105	Bracket, Header Roller, Inner	1	19101-KIT-0019	
14	RLT-635-2210-SC	6 1/2" Flange Roller w/Shaft for Scraper 5/8" Bore	2		
15	RLA-3024S	Curved Scraper, LH	1		
16	RLA-3023S	Curved Scraper, RH	1		
17	RLA-010-013-8	Spindle for Urethane Roller (no standoff)	2		
18	194-1135	Shield, Dust	1		
19	STP-FL30	Stop, Flow Control	1	19101-	
20	HA-1090K	Fine Tune Speed Control Kit	2		All
100	BL-6-150-C	3/8 UNC X 1 1/2 CARRIAGE BOLT GR5 ZINC	4		
101	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	12		
102	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
103	BL-6-N	3/8-16 HEX NUTS ZC	4	193-729K	
104	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	24		
105	BL-6-700-H8	3/8 x 7 Hex Head Bolt Grade 8 Zinc	2		
106	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	4		

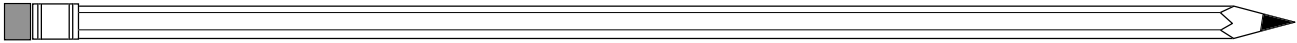
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
107	BL-4-FW-8	1/4" Flat Washer Grade 8	4		
108	BL-4-LW	1/4 SPLIT LW ZC	4		
110	BL-8-700-H	1/2 UNC X 7 HH C/S BOLT GR5 ZINC	2		
111	BL-8-SW	1/2 SAE FW ZC	4		
112	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		

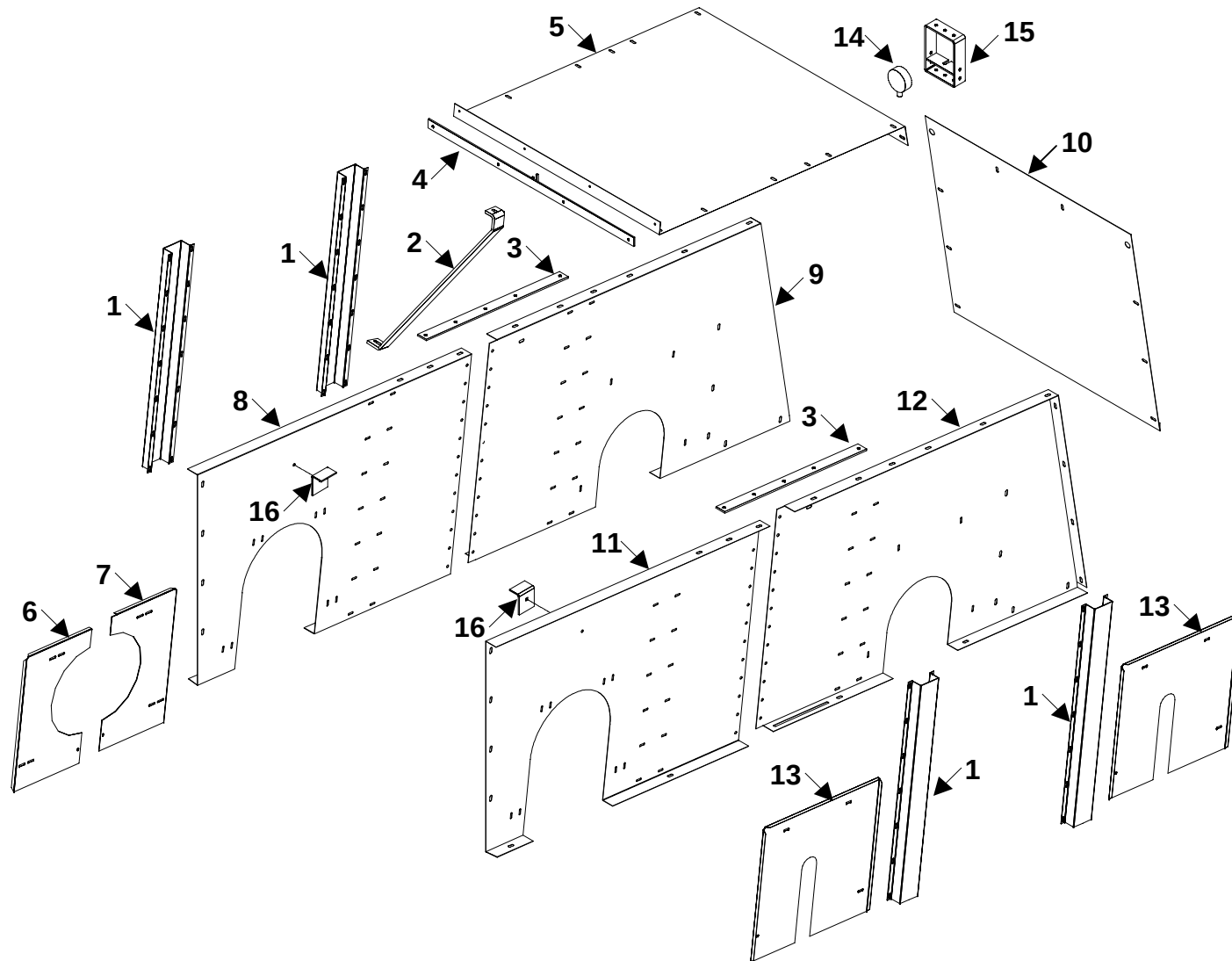
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



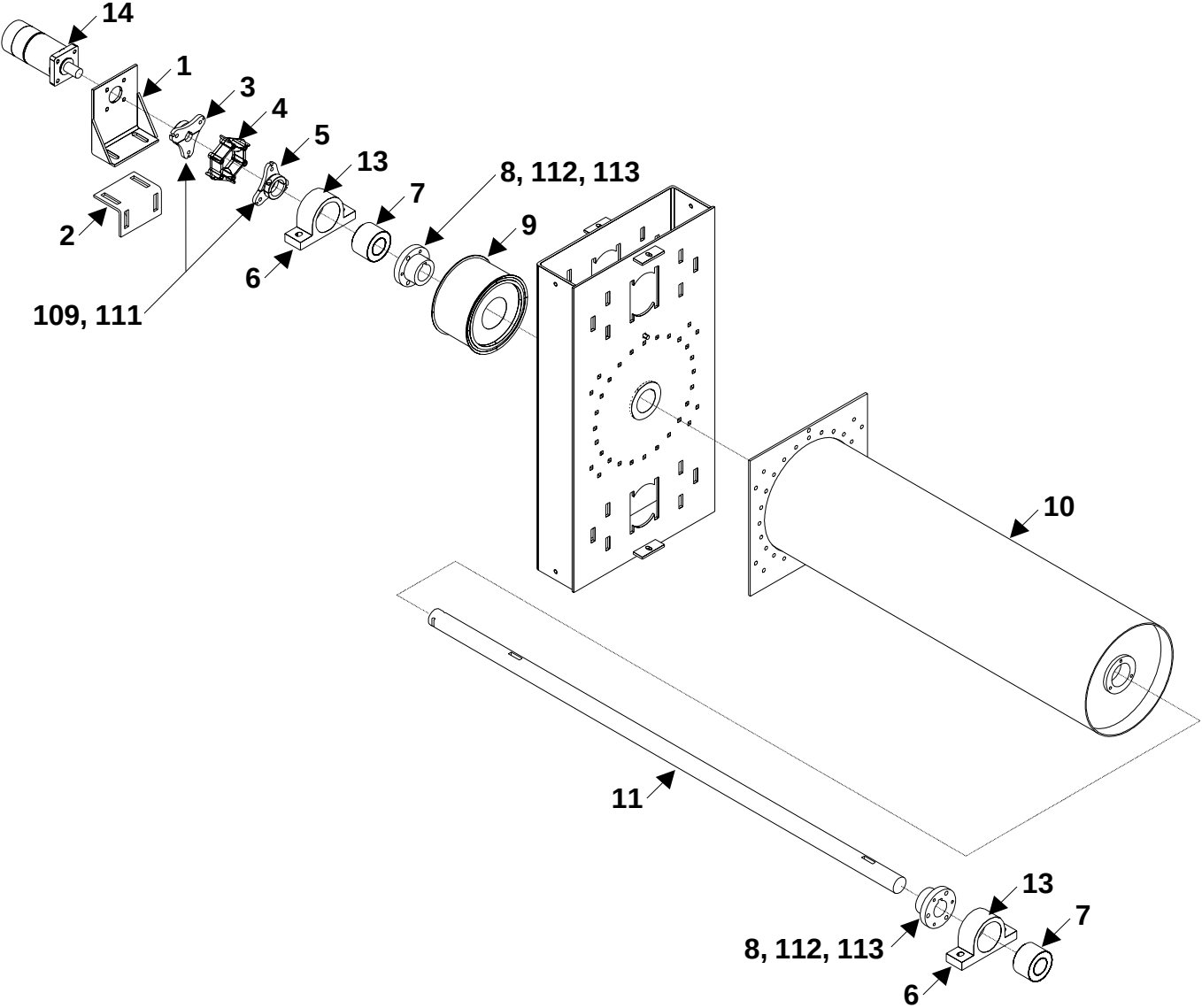
198-3-2 Shaker Chamber Assembly



198-3-2 Shaker Chamber Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-301B	Post, Shaker Side	4	19401-	
2	195-320	Support Brace (Shaker Side)	1		
3	BAR-301	Bar, Shaker Panel, Support (Tomato)	2	19601-	
4	193-303C	Support Bar	1	19301-	
5	193-303A	Shaker chamber diagonal cover, top	1	19301-	
6	191-312R	Primary Shaker End Cover, Right	1	19101-	
7	191-312L	Primary Shaker End Cover, Left	1	19101-	
8	196-302	Panel, Right-Front Shaker (Tomato)	1	19601-	Replaces 192-302
9	196-304	Panel, Right-Rear Shaker (Tomato)	1	19601-	Replaces 192-302
10	193-303B	Shaker chamber diagonal cover, back	1	19301-	
11	196-301	Panel, Left-Front Shaker (Tomato)	1	19601-	Replaces 192-301
12	196-303	Panel, Left-Rear Shaker (Tomato)	1	19601-	Replaces 192-301
13	195-312	Cover, Shaker End (Outer)	2	19501-	
14	EL-1206	Double Amber Lamp	1		
15	SHD-1206	Shield, Flashing Light	1	30097001- 19601-	
16	193-309	Primary cover stop	2	19301-	

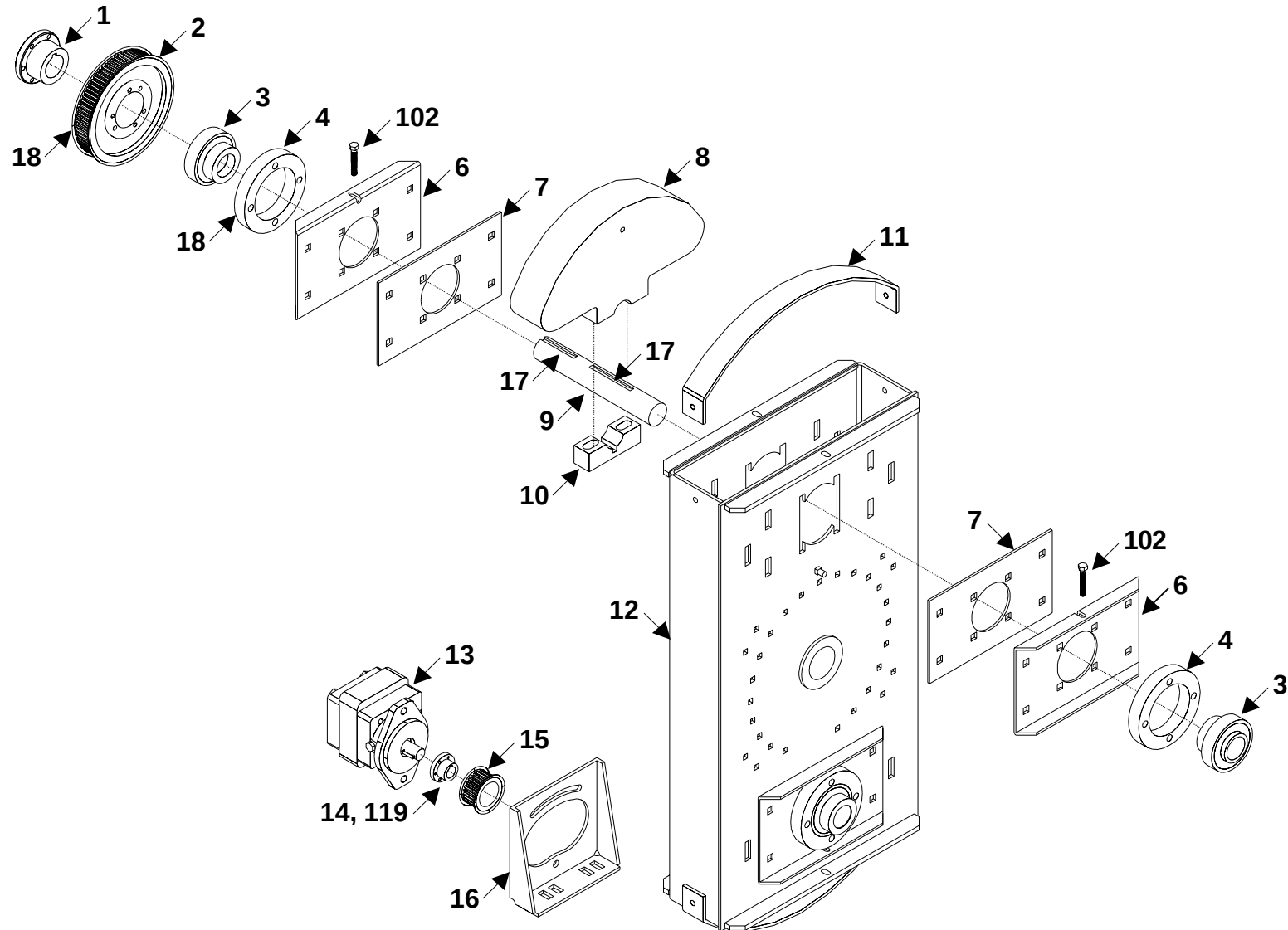
198-3-3 Primary Shaker Drum Assembly



198-3-3 Primary Shaker Drum Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-416	Mount, Shaker Rotation Motor	1	19101	For use with 194-416a
2	194-416A	Mount, Shaker Rotation Motor	1	19101-	For use with 194-416
3	CPR-422A-15	Primary Shaker Coupler (Motor Side)	1	19401	
4	CPR-422-15	Primary Shaker Drive Coupler	1	19401	
5	CPR-422B-15	Primary Shaker Coupler (Shaker Side)	1	19401	
6	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
7	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2	19101	
8	PU-SK-28	SK x 1 3/4" Bushings	2	19101	
9	PU-80-8M-114	Pulley, Center Idler, HTD	1	19201-	'91 machines must change motor pulley to PU-26-8M-20-JA and use BT-960-8M-20 belt
10	SHA-3403	Shaker, Primary Tube	1	19101-	Must use SHA-3402 with this part to be compatible with 192-401
11	191-400	Shaker main Shaft	1	19101-	Used on Secondary Shaker beginning 1994.
13	GF-1428	Grease Fitting 1/4" x 28 straight	2	20095001-	
14	HM-204-CH	Char-Lyn Hydraulic Motor	1		
109	BL-6-N	3/8-16 HEX NUTS ZC	10	193-729K	
111	BL-6-250-8	3/8-16 X 2 1/2 HH C/S GR8 ZC	6		
112	BL-5-175-8T	5/16-18, Grade 8, Tap	6		
113	BL-5-LW	5/16 SPLIT LW ZC	6		

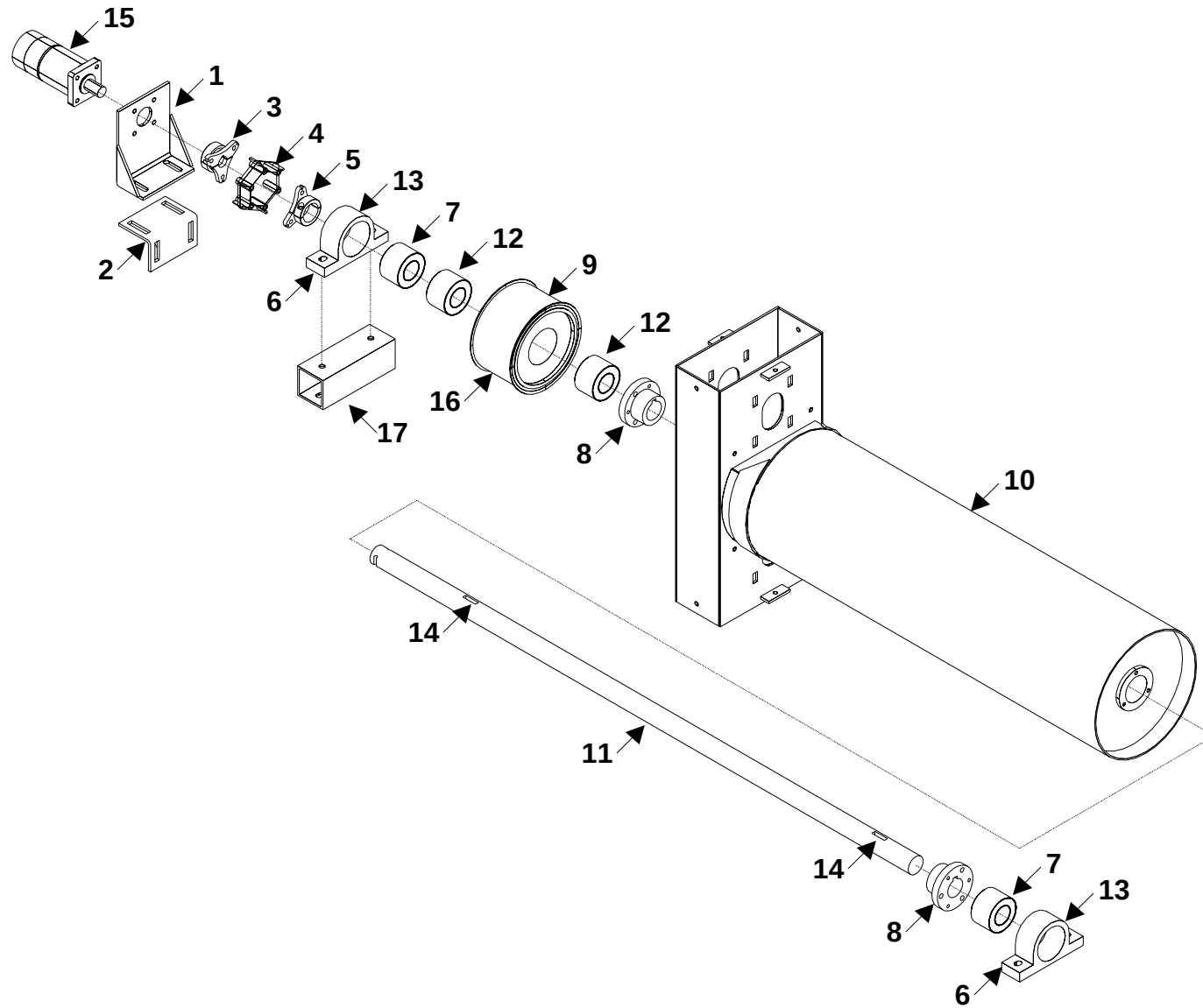
198-3-4 Primary Shaker Weight & Box Assembly



198-3-4 Primary Shaker Weight & Box Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	BT-1280-8M-30	Primary Weight Drive Belt	3	19101	
1	PU-SK-28	SK x 1 3/4" Bushings	2	19101	
2	PU-80-8M-30-SK	Primary Weight Pulley HTD	2	1910119115	
3	BR-175-100	Heavy Duty 1 3/4" Bearing	4		
4	BR-100-10037	Bearing Mounting for Shaker, 1996 and Later	4		
6	SUP-098	Support, Weight Bearing, Shaker	4	30097001-19701-	
7	MOU-098	Backing Plate, Shaker	4	30097001-19701-	Replaces MOU-097
8	WGT-402	Weight, Primary Shaker	2	11001-30095001-	
9	SFT-097	Weight Shaft	2	30096001-19601-	
10	WGT-402C	Cap, Primary & Secondary Shaker Weight	2	19201-30095001-	
11	193-403	Shaker, Weight guards	2	19101-30095001-	
12	SHA-3402	Shaker Weight Box	1	19101-30096001-	Must use SHA-3403 with this part to be compatible with 192-401
13	HM-412C	Hydraulic Motor -Shaker Weight-Vibrator (Commercial)	1	19101	Sub 191-412
14	PU-JA-14	JA x 7/8" Bushing for PU-26-8M-20-JA	1	11001	
15	PU-26-8M-30-JA	HTD Sprocket 8mm pitch, 26 Tooth, 30mm wide JA Bushing	1		
16	110-515	Mount, Weight Motor	1	19101-	
17	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	2		
18	GF-1428	Grease Fitting 1/4" x 28 straight	4	20095001-	
102	BL-6-225-T	3/8 UNC X 2 1/4 TAP BOLT GR2 ZINC	4		
119	PU-JA-14B	Bolt for PU-JA-14 (3 @ pkg)	1		

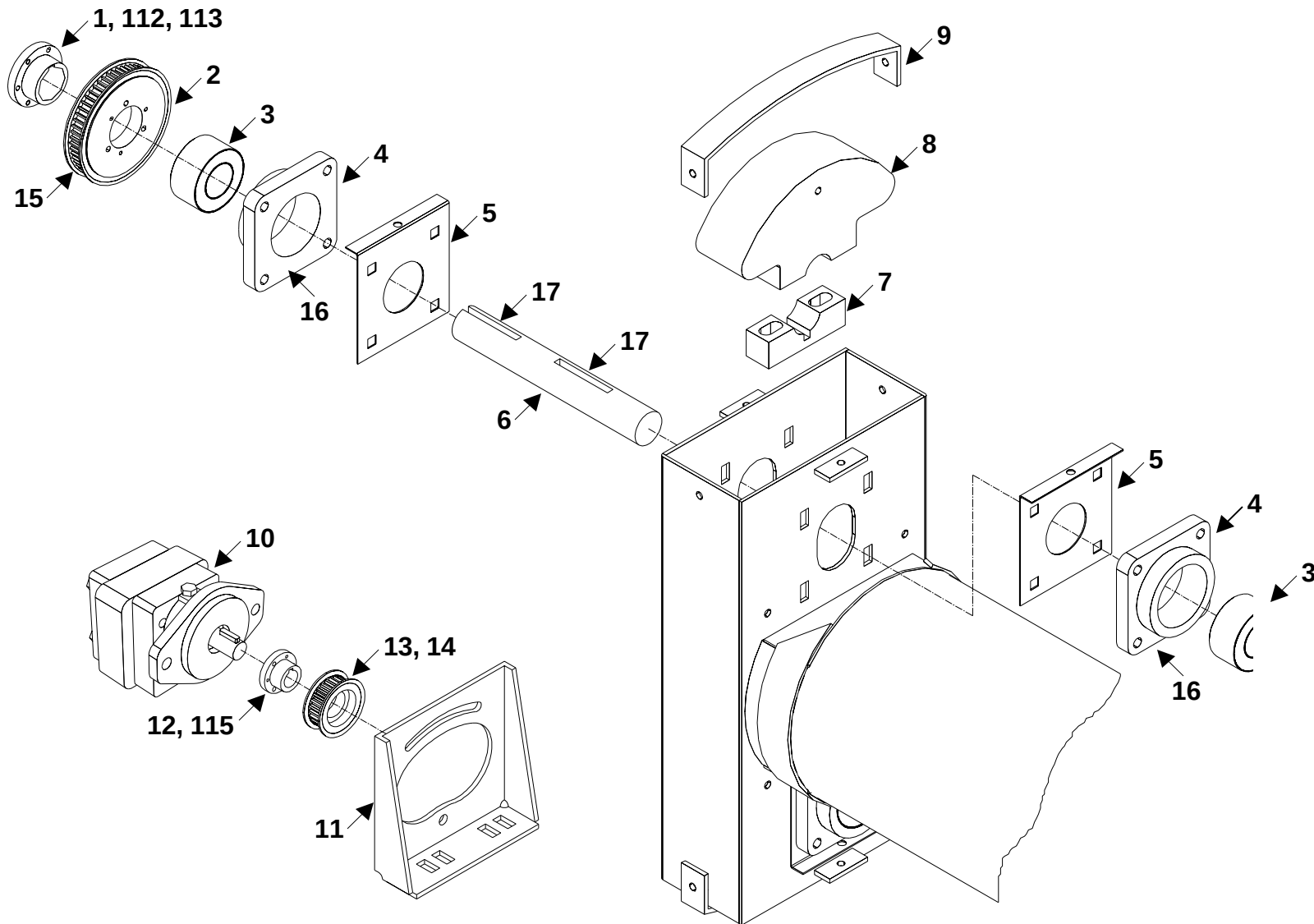
198-3-5 Secondary Shaker Drum Assembly



198-3-5 Secondary Shaker Drum Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-416	Mount, Shaker Rotation Motor	1	19101	For use with 194-416a
2	194-416A	Mount, Shaker Rotation Motor	1	19101-	For use with 194-416
3	CPR-422A-13	Coupler, Motor half	1	19101-19320	Use with CPR-422-13 only - Fits Secondary Shaker after 19401
4	CPR-422-13	Coupler, Shaker drive rubber	1	1910119320	Used for Secondary Shaker after 19401
5	CPR-422B-13	Coupler Shaker Half	1	19101	Use with CPR-422-13 only - Fits Secondary Shaker after 19401
6	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
7	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2	19101	
8	PU-SK-28	SK x 1 3/4" Bushings	2	19101	
9	PU-56-8M-89	Pulley, Center Idler, HTD	1	19201-	
10	194-501	Secondary Shaker Box and Drum	1	19401	Used on Secondary Shaker beginning 19401
11	191-400	Shaker main Shaft	1	19101-	Used on Secondary Shaker beginning 1994.
12	BR-175-ER	Bearings, 1 3/4" ER	2	11001	
13	GF-1428	Grease Fitting 1/4" x 28 straight	2	20095001-	
14	KEY-6-6-32	Shaft Key 3/8" x 2 " Square Cut (1018)	5		
15	HM-204-CH	Char-Lyn Hydraulic Motor	1		
17	192-421	Spacer, Bearing, Secondary Shaker (Inner)	1	19201-	

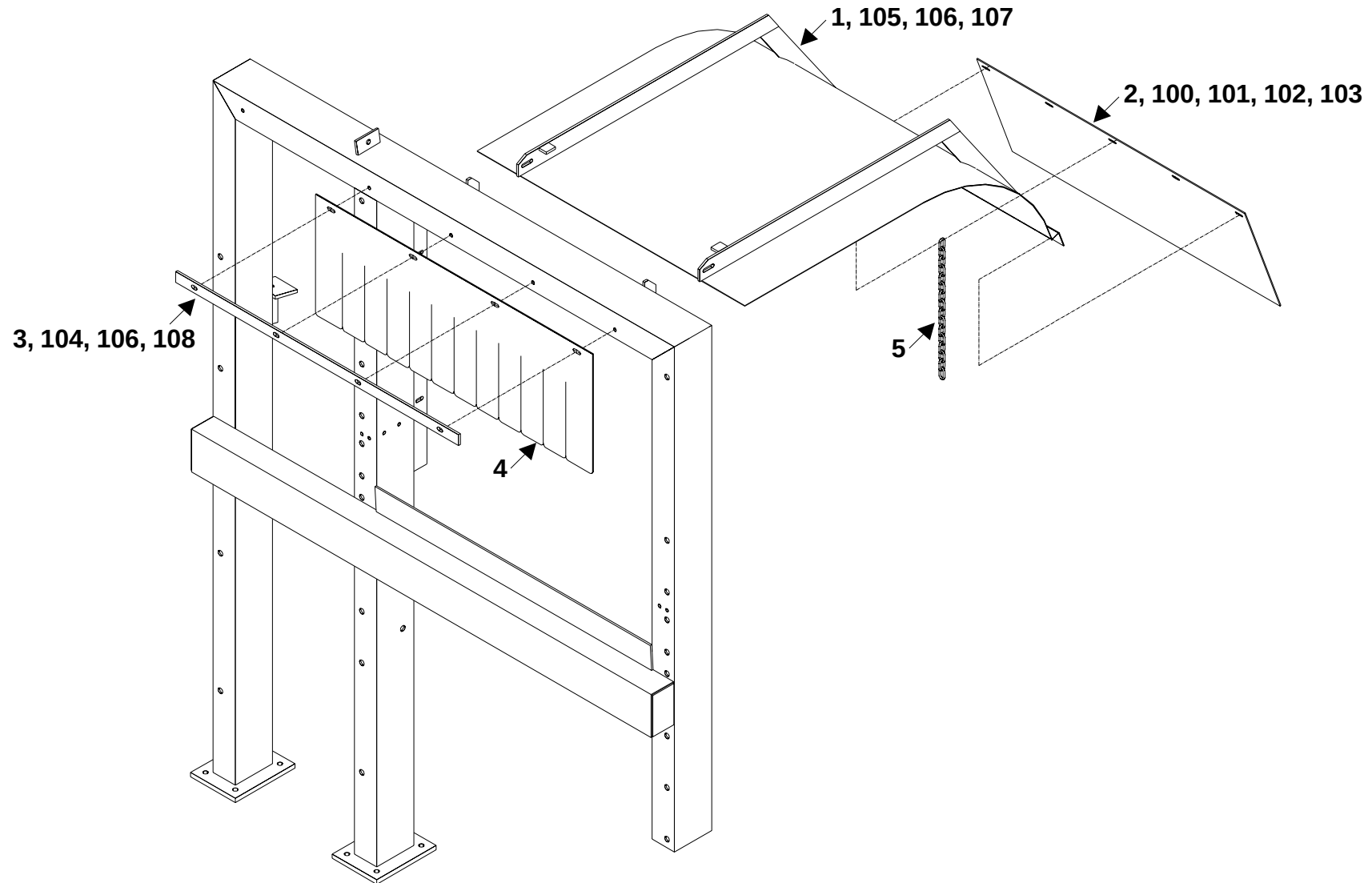
198-3-6 Secondary Shaker Weight & Box Assembly



198-3-6 Secondary Shaker Weight & Box Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	PU-SDS-28	SDS x 1 3/4 Bushing	2	19201	
2	PU-56-8M-20-SDS	Secondary Weight Pulley HTD	2	19201	
3	BR-175-085-KB	Fafnir Bearing 1 3/4" Heavy SS1	4	19601-30096001-KIT-0005	
4	BR-085-RCJ	RCJ Bearing Housing	4	11001	
5	191-433	Bearing Slider (Tomato)	4	19101-	
6	110-404	Shaft, Secondary Shaker	2	11001-	
7	WGT-402C	Cap, Primary & Secondary Shaker Weight	2	19201-30095001-	
8	WGT-502	Weight, Secondary Shaker	2	19601-	
9	192-503	Shaker weight guards	2	19201-	
10	HM-412C	Hydraulic Motor -Shaker Weight-Vibrator (Commercial)	1	19101	Sub 191-412
11	110-515	Mount, Weight Motor	1	19101-	
12	PU-JA-14	JA x 7/8" Bushing for PU-26-8M-20-JA	1	11001	
13	PU-26-8M-20-JA	Weight Motor Pulley HTD	1	19201	
14	BT-960-8M-20	Shaker Drive Belt	1	19201-	Will NOT Replace 110-408
15	BT-800-8M-20	Secondary Weight Drive Belt	2	19201	Will NOT Replace 110-508
16	GF-1428	Grease Fitting 1/4" x 28 straight	4	20095001-	
17	KEY-6-6-32	Shaft Key 3/8" x 2 " Square Cut (1018)	5		
112	BL-5-175-8T	5/16-18, Grade 8, Tap	6		
113	BL-5-LW	5/16 SPLIT LW ZC	6		
115	PU-JA-14B	Bolt for PU-JA-14 (3 @ pkg)	1		

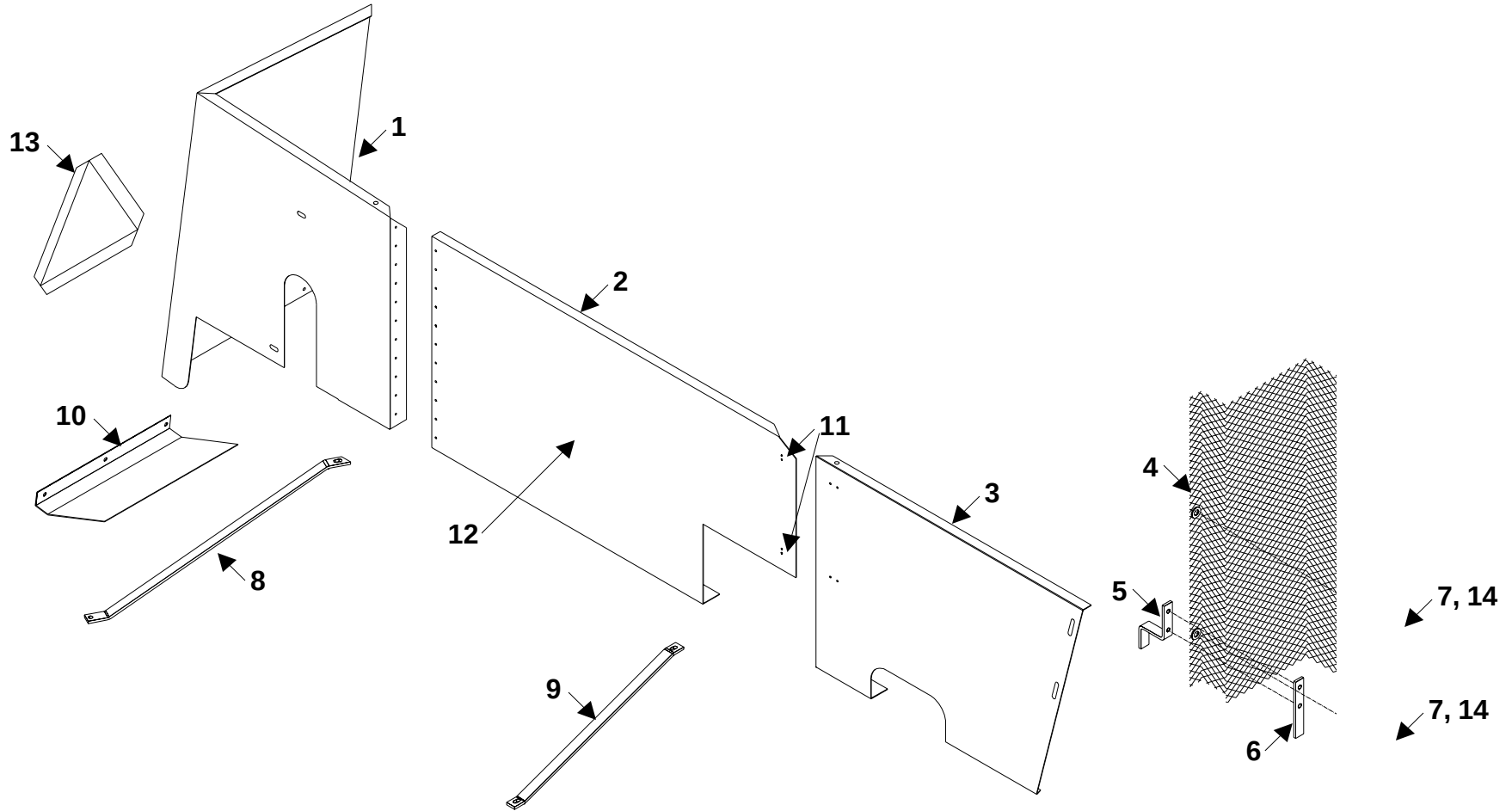
198-3-7 Shaker Cover Assembly



198-3-7 Shaker Cover Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-310	Cover, Primary Shaker	1	19201-	
2	191-310B	Belting, Primary Shaker Cover	1	19101-	
3	191-119A	Shaker Entrance Belting Bar	1	19101-	
4	191-119	Header Throat Belting Shield	1	19101-	
5	191-313	Chain, Shaker Cover, Panel Stiffener	1	19101-30095001-	
100	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	4		
101	BL-4-100-H	1/4-20 X 1 HEX CAP G5 ZC	1		
102	BL-4-FW-8	1/4" Flat Washer Grade 8	10		
103	BL-4-LN	1/4-20 HEX LN NE ZC	5		
104	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
105	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	2	193-729K 194-231K	
106	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	8		
107	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	2		
108	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	

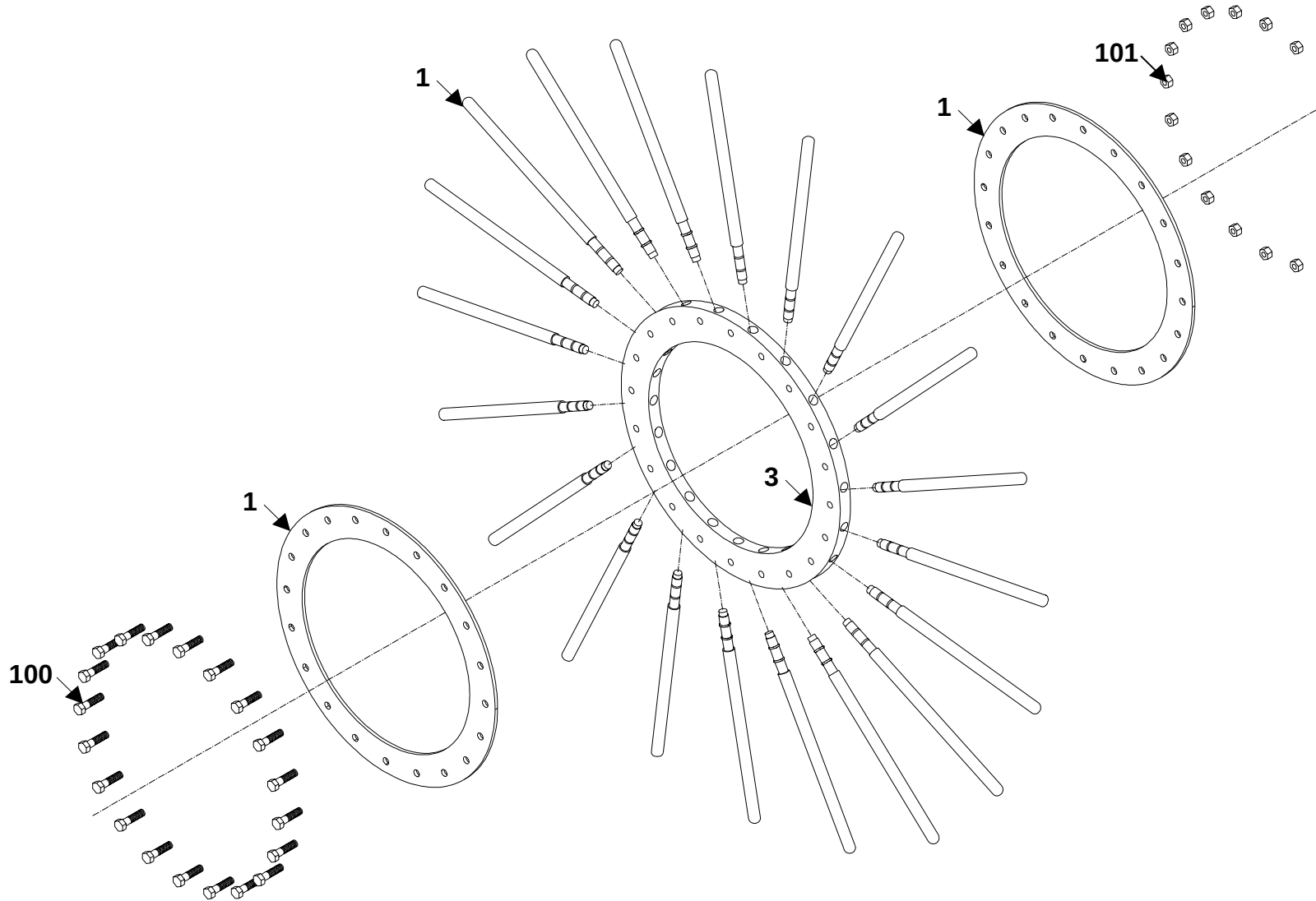
198-3-8 Shaker Shield Assembly



198-3-8 Shaker Shield Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	195-1141	Shield, Shaker (Rear)	1	19501-	
2	196-1143	Shield, Shaker-Middle (Tomato)	1	19601-	
3	196-1140	Shield, Front Shaker (Tomato)	1	19601-	Replaces 195-1140
4	192-1142	Shaker shield-expanded metal	1	19101-	
5	192-1142A	Bracket for 191-1142	1	19201-	
6	BAR-1142A	Bar, Shield, Shaker (Tomato)	1	19201-	
7	192-1142B	Holder Bolt	2	19201-	
8	195-1140A	Brace for Shaker Shield	1		
9	195-1140B	Brace for Shaker Shield	1		
10	SHD-1141A	Shield, Secondary Shaker Add-On	1	19501-	
11	LA-1530	Medium Rubber T Latch Assembly	2	195-208K	
12	DC-1178	Decal, Small Red PIK RITE 4.25" x 31"	1		
13	SMV-PL	SMV Sign, Plastic	1		
14	HC-1130B	Hair Pin Clip	2	19201- 30095001-	

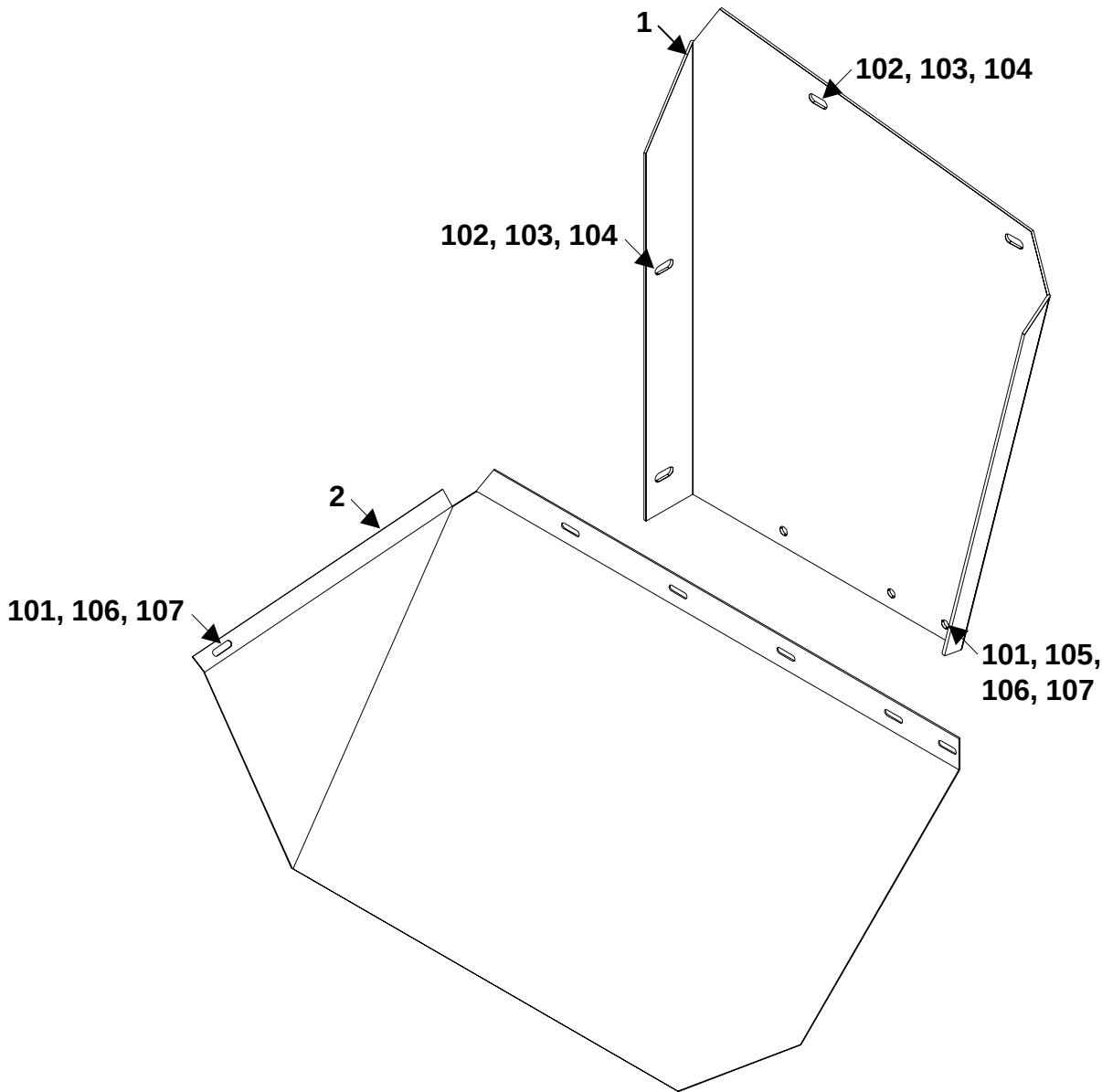
198-3-9 Shaker Ring & Finger Assembly



198-3-9 Shaker Ring & Finger Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-432	Tine Holder Flanges	2	11001-30095001-	
2	ST-430-P	Shaker Tines , Molded Urethane	20		
3	192-431	Moulded Rubber Tine Holders	1	19101-30095001-	
100	BL-6-150-H	3/8-16 X 1 1/2 HEX CAP G5 ZC	20	194-806K	
101	BL-6-N	3/8-16 HEX NUTS ZC	20	193-729K	

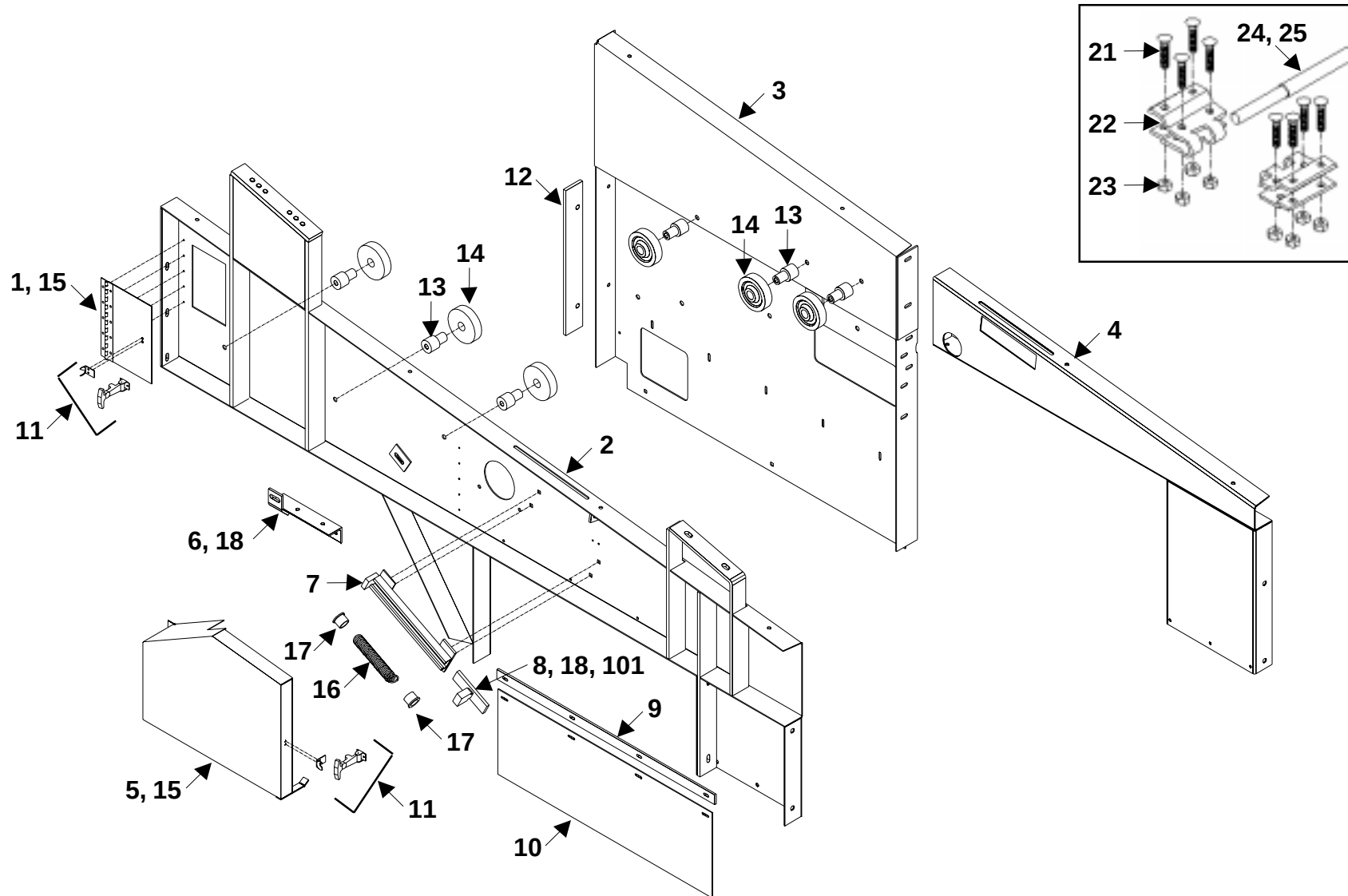
198-3-10 Windshield Assembly



198-3-10 Windshield Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	SHD-1303	Shield, Vine Deflector (Tomato)	1	19201-	
2	SHD-1305	Vine deflector shield	1	19201-	
101	BL-4-075-C	1/4 UNC X 3/4 CARRIAGE BOLT GR5 ZINC	6		
102	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
103	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	8		
104	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
105	BL-4-FW-8	1/4" Flat Washer Grade 8	6		
106	BL-4-LW	1/4 SPLIT LW ZC	6		
107	BL-4-N	1/4-20 HEX FIN NUTS ZC	6		

198-4-1 Transfer Assembly



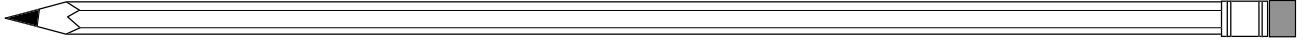
198-4-1 Transfer Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	CH-50-73	Roller Chain 73 pitches #50 Transfer Roller(Tomato) w/master link	1	19401-195-208K	
1	195-304D	Access Door w/Hinge	1	19501-30095001-	
2	192-304	Shaker chamber support panel left	1	19201-	
3	195-305	Inner Shaker Support Panel	1	19501-	
4	192-306	Shaker chamber support panel rear	1	19201-	
5	195-207	Transfer Roller Drive Shield	1	19501-195-208K	
6	195-208	Idler Bracket for Transfer Roller Drive	1	19501-195-208K	
7	195-206	Transfer Roller Drive Adjuster Bracket	1	19501-195-208K	
8	195-206A	Transfer Roller Drive Slider	1	19501-195-208K	
9	191-646A	Cross Conveyor Belting Bar	1	19101-	
10	191-646	Belting, Cross Conveyor	1	19101-	
11	LA-1530	Medium Rubber T Latch Assembly	2	195-208K	
12	BAR-305	Bar, Panel Backing, Transfer	1	19501-KIT-0030	
13	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	6	19101-	
14	RLG-040-1016	4" Urethane (Red)	6		
15	DC-1176	Decal, Danger-Hand Chain Sprockets	2		
16	SPG-9657C	Compression Spring for Transfer Roller Drive	1	195-208K	
17	BU-6389N	Nylon Bushing for Transfer Roller Drive	2	195-208K	
18	SP-5017-T	Idler, 17 tooth x #50 Chain	2	19201-195-208K 194-300K 194-700K 194-610K 193-1520K	Update Kits
19	BC-7-3636-100	Transfer chain, 7/16" bars 36in wide 100 links 36mm	1	11001	
21	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	16	11001	For Clip Splice Option Sub 191-694
22	BC-F-36-32	F Connecting Clips 36-32 @ pair	2	11001	For Clip Splice Option
23	BC-1032-LN	10-32 lock nuts	16		

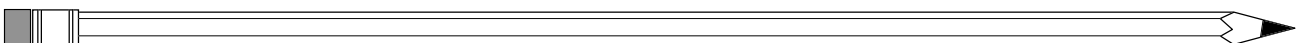
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
24	BC-7-36-CN	Connecting Rod, 36" x 10mm	1	11001	For Clip Splice Option
25	BC-3525	Grip Clip	2		
101	BL-8-1200-T	1/2-13 X 12" Hex head Tap Bolt Grade 5 Plated	1	195-208K	

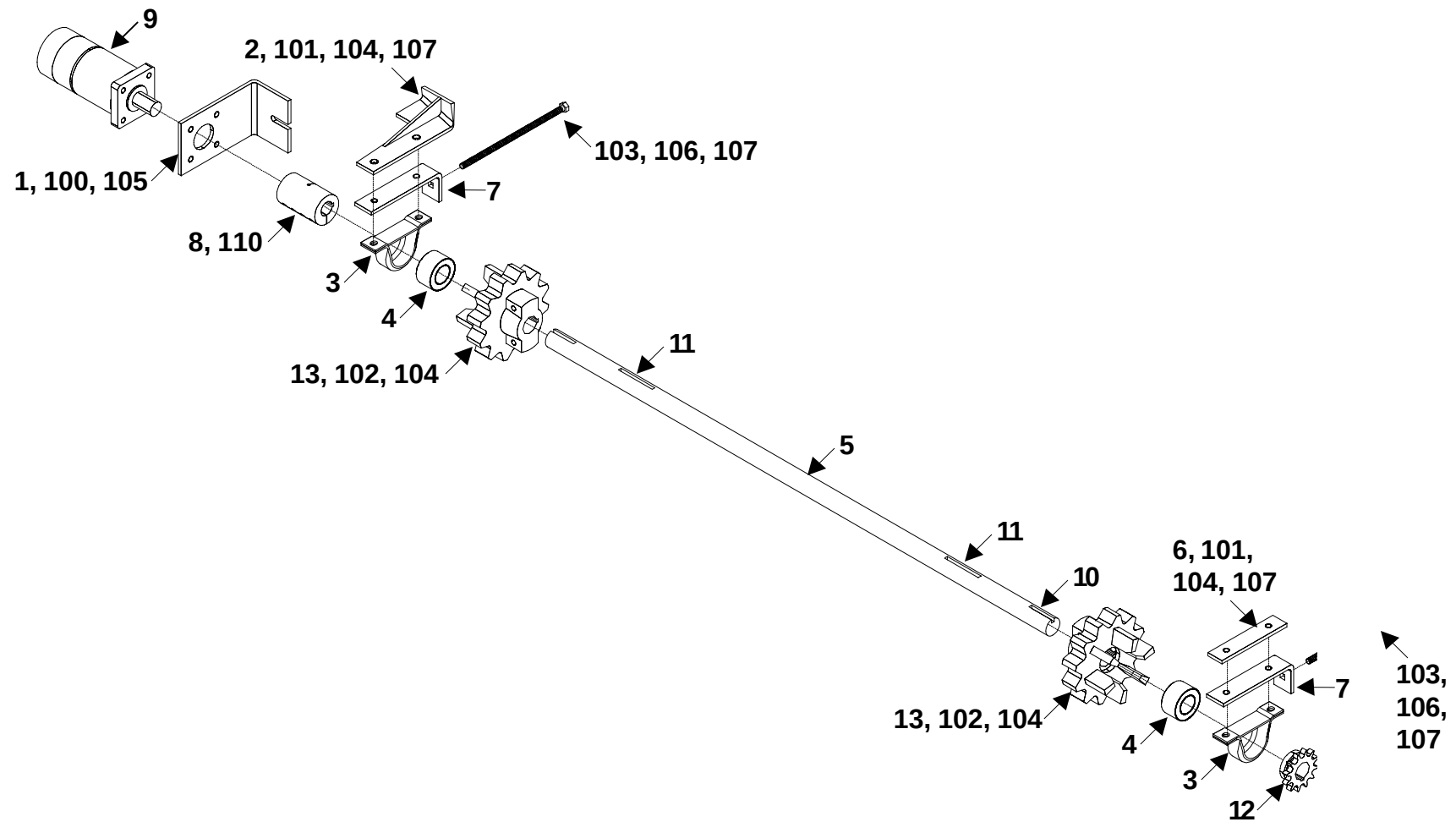
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



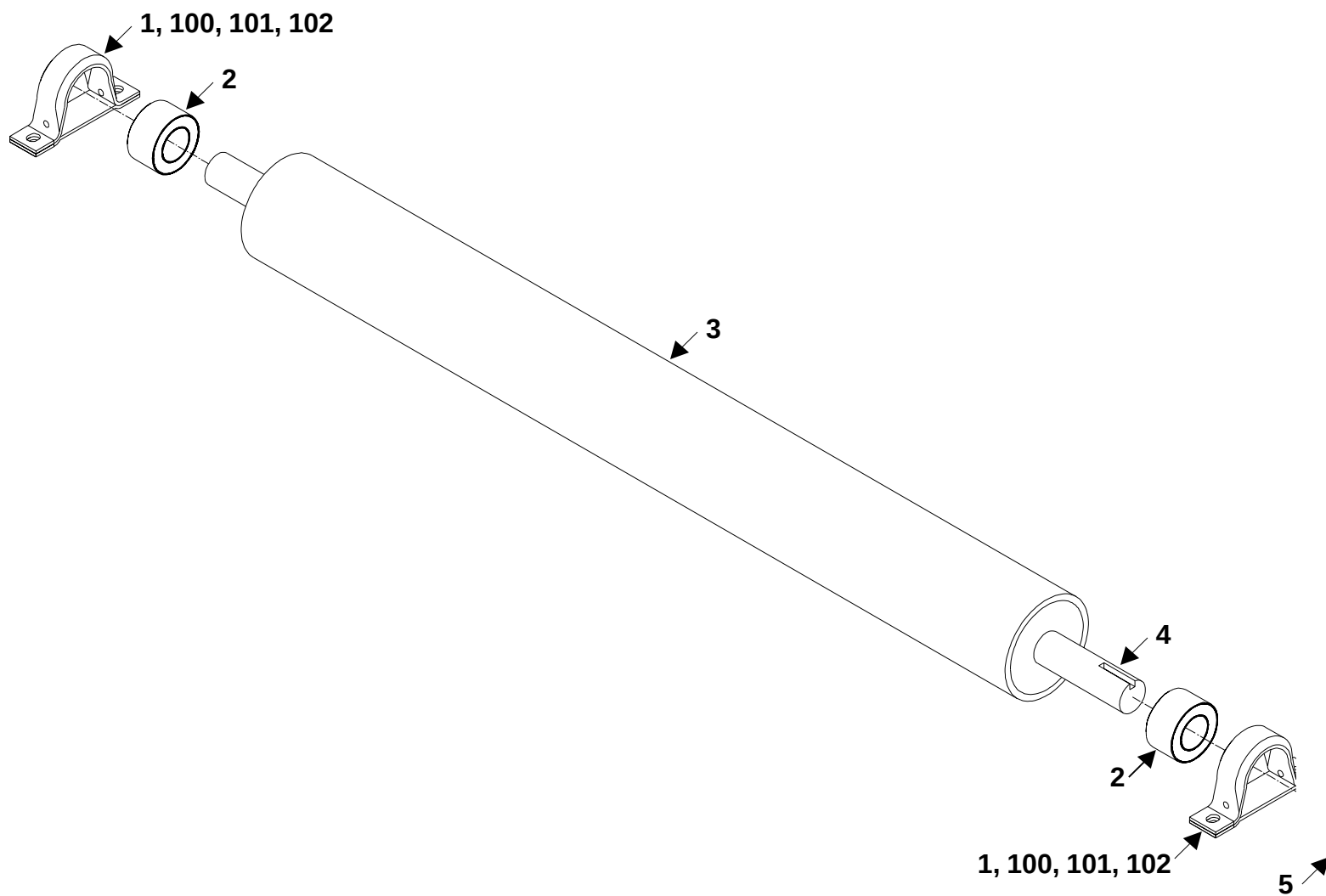
198-4-2 Transfer Drive Shaft Assembly



198-4-2 Transfer Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	193-806	Mount motor	1	19301- 20095001- 30095001- 194-806K KIT-0007	
2	195-213	Stop, Transfer Motor Drive	1	19501- 194-806K	
3	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
4	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
5	195-202	Shaft for kit 44 1/2"long keyed both ends	1	19501- 195-208K	
6	192-805	Bracket, Outer Transfer Drive	1	19201-	
7	192-1528	Bearing Adjuster	2	19201-	
8	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
9	HM-204-CH	Char-Lvn Hydraulic Motor	1		
10	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
11	KEY-4-4-44	Shaft Key 1/4" x 2 3/4"	2		
12	SP-50B16-20-4	Roller Chain Sprocket, 50 x 16 Tooth	1	11001- 195-208K	
13	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	2	11001	Sub SP-3612-20-4
100	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
101	BL-6-175-H	3/8-16 X 1 3/4 HHCS G5 ZC	4		
102	BL-6-200-H	3/8-16 X 2 HEX CAP G5 ZC	4	HV-1045K	
103	BL-6-900-T	3/8-16 X 9 HEX TAP G5 ZC	2		
104	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	6		
105	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
106	BL-6-N	3/8-16 HEX NUTS ZC	6	193-729K	
107	BL-6-SW	3/8 SAE FW ZC	16		
110	BL-5-100-SF	5/16-24 x 1 Socket Head Cap	4		

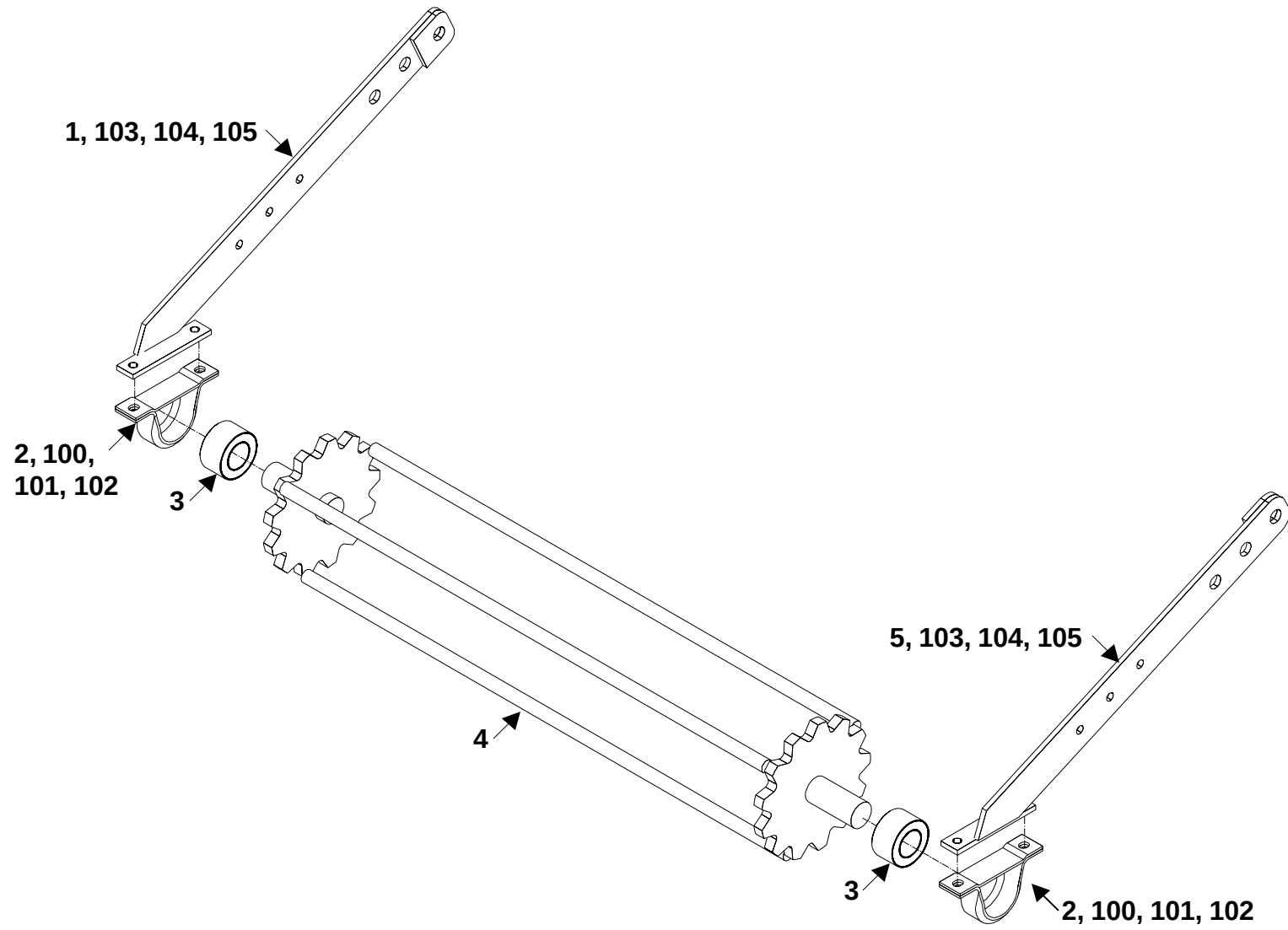
198-4-3 Transfer Roller Assembly



198-4-3 Transfer Roller Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	194-209	Transfer - Header Roller	1	19401-	Update kits
4	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
5	SP-50B12-20-4	Sprocket, 12 tooth #50 1 1/4in bore	1	19201- 195-208K	Update Kits
100	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		

198-4-4 Transfer Chain Cleaner Assembly

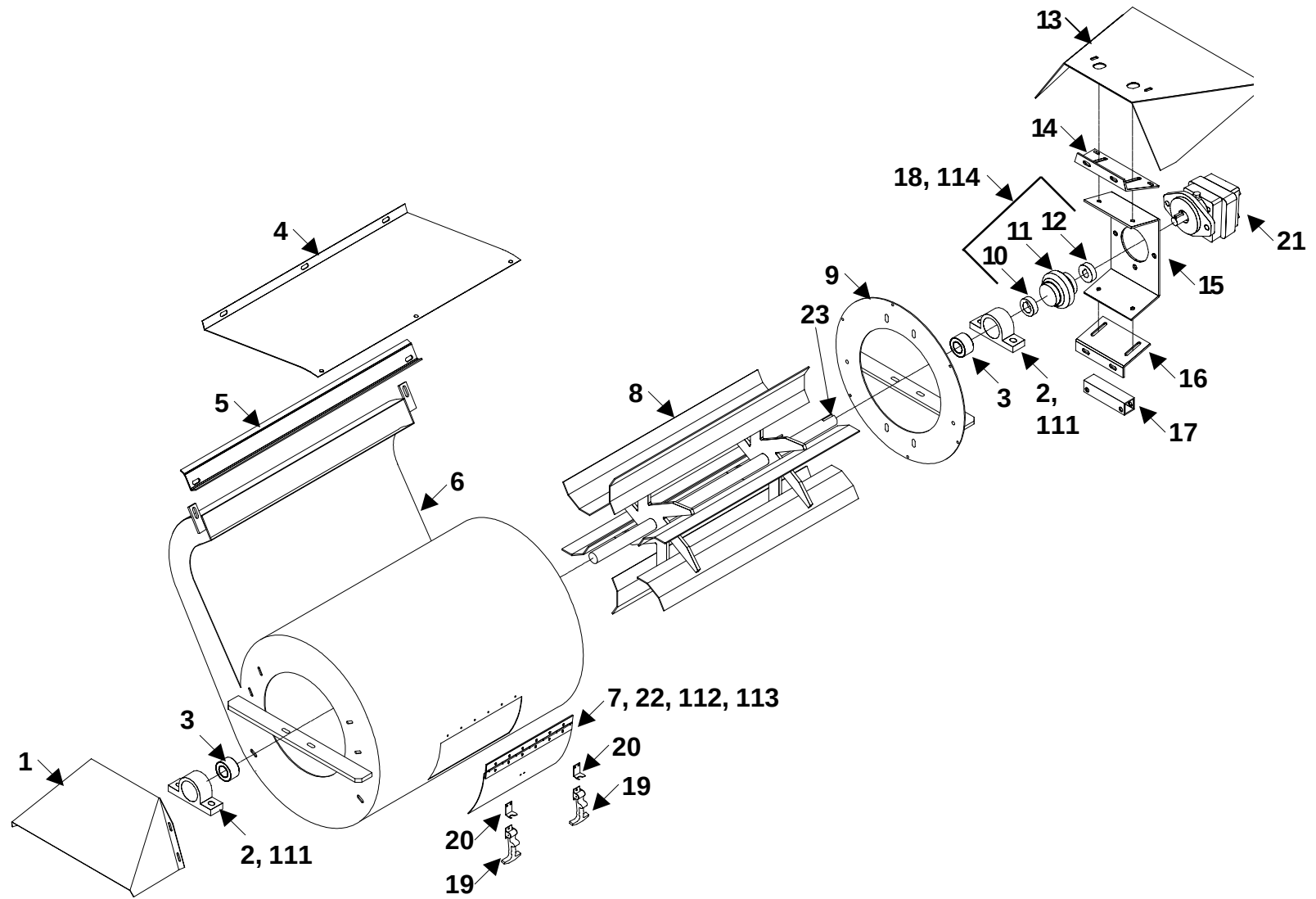


198-4-4 Transfer Chain Cleaner Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-362B	Chain cleaner bar (Right)	1	19101	
2	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
3	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001-KIT-1700 194-231K 195-208K	
4	194-361	Chain Cleaner, Transfer, 36mm	1	19401-	
5	192-362A	Chain cleaner bar (Left)	1	19101- 192-360K 192-1960K 192-660K 192-160K	
100	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		
103	BL-10-075-SH	5/8 X 3/4 SHOULDER BOLTS	2	11001-	
104	BL-8-FW-8	1/2 FLAT WASHER G8 ZC	2	KIT-0005	
105	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		

EXTRA PAGE

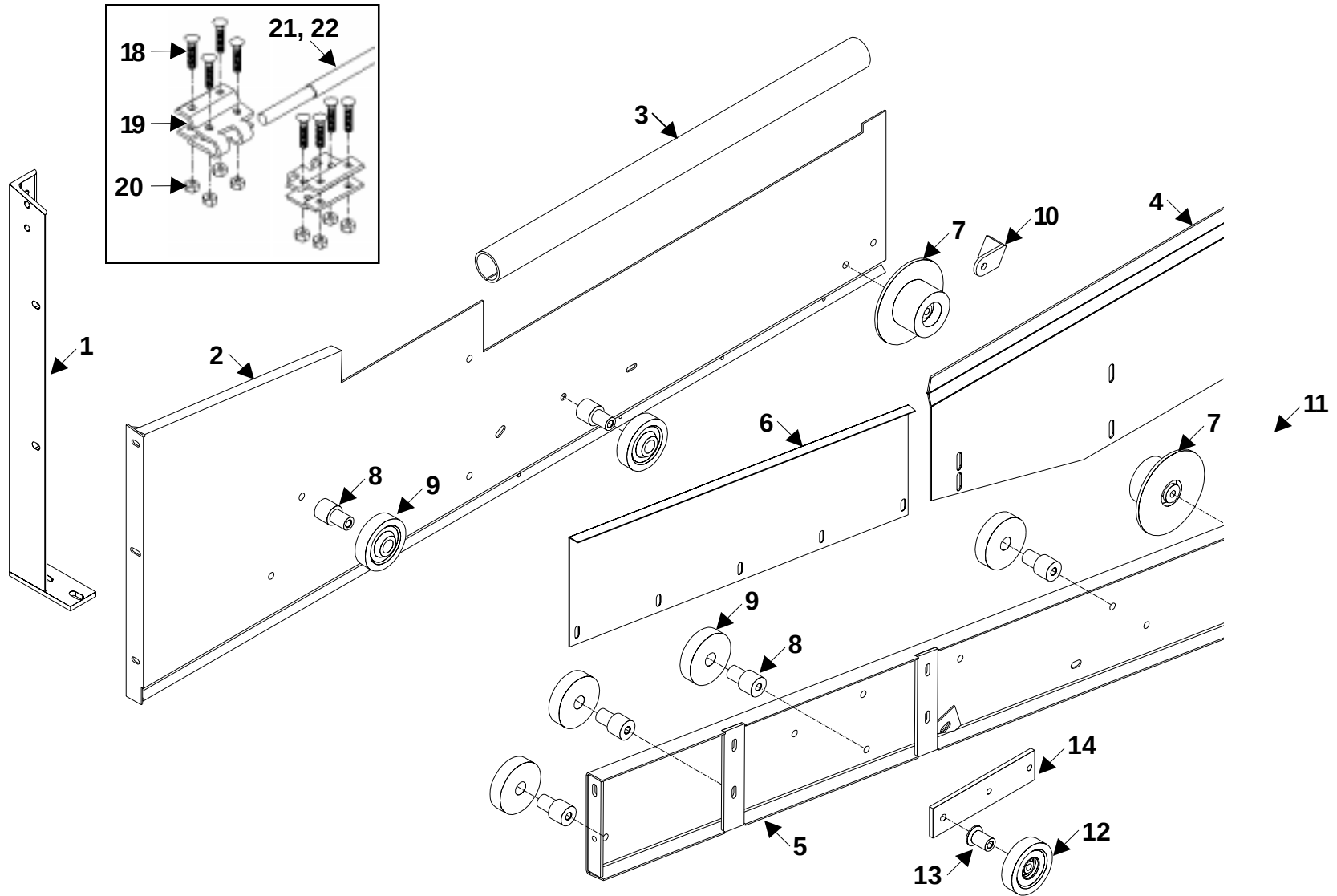
198-5-1 Debris Fan Assembly



198-5-1 Debris Fan Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-733	Fan dirt guard (rear)	1	19101-	
2	BR-062-RAK	62mm Cast Housing	2		
3	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
4	191-732	Cover, Debris Fan	1	19101-	
5	110-611	Scraper, Cross Conveyor, Return Roller	1	11001-	
6	191-701	Fan housing & diffuser	1	19101-	
7	COV-703	Cover, Fan Clean-Out Door	1	19701-	
8	195-702	Debris Fan	1	19101-	
9	191-701A	Access Panel, Debris Fan	1	19101-	
10	CPR-7081A	Omega Coupler Hub 1 1/4"	1	19401	
11	CPR-7081E	Coupler Element Only	1	19401	
12	CPR-7081C	Omega Hub 7/8	1	19401	
13	191-734	Fan dirt guard (motor side)	1	19101-	
14	192-704T	Motor mount, Top	1	19201-	
15	192-704	Mount, Debris Fan	1	19201-	
16	192-704B	Bracket, Debris Fan Motor, Bottom	1	19201-	
17	SPA-735	Spacer, Housing-frame	1	19101-	Sub SPA-735A
17	SPA-735A	Spacer, Debris Fan- Frame(NARROW)	1	19101-	Sub SPA-735(NARROW)
18	CPR-7081	Debris Fan Coupler	1	19201	Replaces Lovejoy Coupler In pre 1994 Machines (PN CPJ- 7081;CPJ-6055;CPJ-6053) Pre 1992 May require some modifications
19	LA-703A	Large Rubber T Latch	2	19401- 193-729K	
20	LA-703B	T Latch Keeper	2	19401	
21	HM-712C	Hydraulic Motor-Debris Fan (Commercial)	1	19101	
22	DC-1175	Decal, Danger, Fan Blade	1		
23	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
111	BL-4-037-BH	1/4-28 X 3/8 Button Head Cap Screw	2		
112	BL-1032-050	10-32 x 1/2" Bolt	18		
113	BC-1032-LN	10-32 lock nuts	18		
114	CPR-7081B	Bolts for Omega Coupler (8 @ pkg)	1	19401	

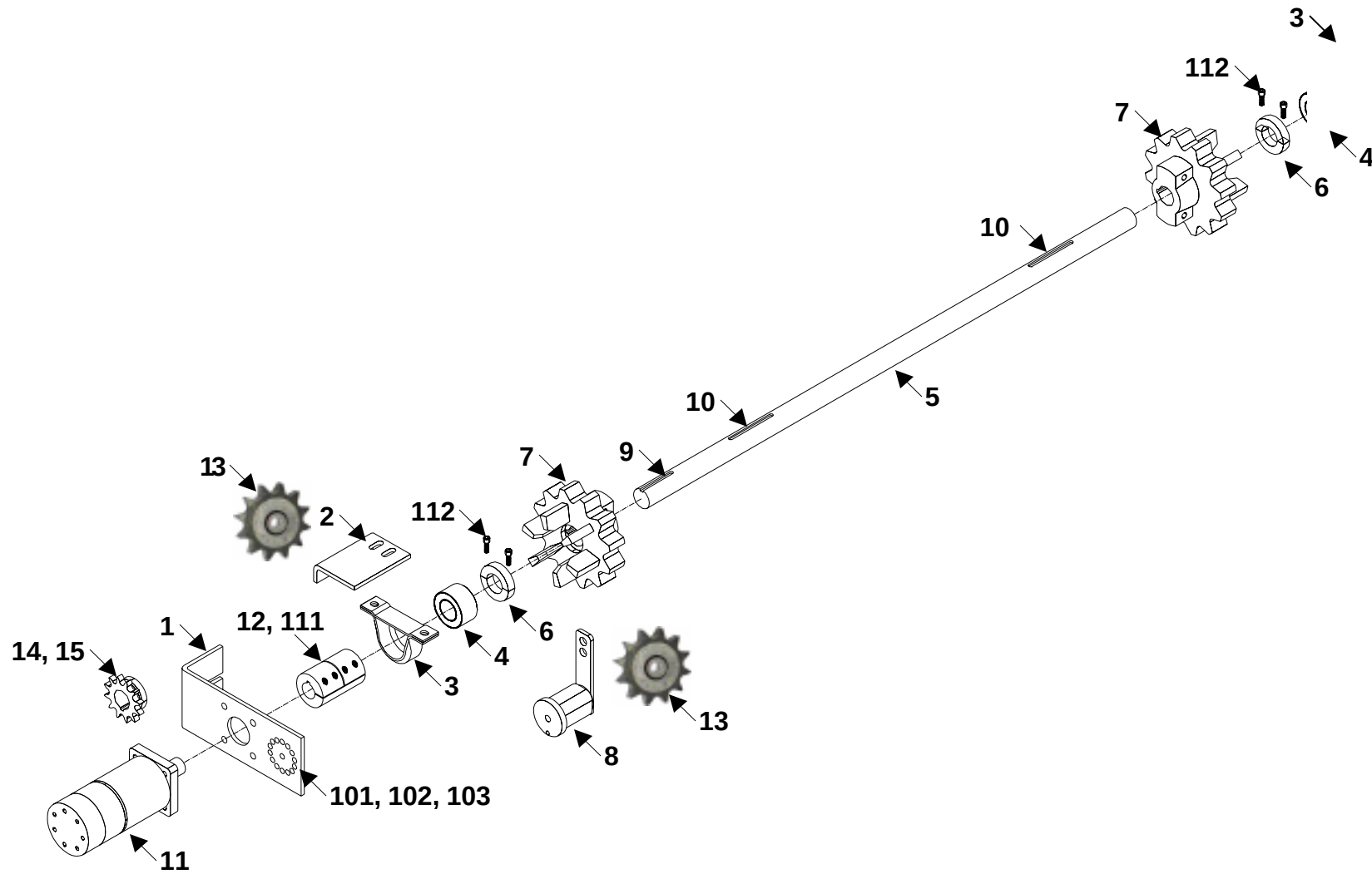
198-6-1 Cross Conveyor Frame Assembly



198-6-1 Cross Conveyor Frame Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-1133R	Post. Shaker Angle	1	19101-	
2	192-616	Cross conveyer panel, rear	1	19201-	
3	SHD-616	Shield, Rear Cross Panel	1	19201-	
4	195-211	Scraper, Transfer Return Roller	1	19201-	
5	195-615	Cross Conveyer Panel, front	1	19501-	
6	PAN-1615	Cross Conveyor Panel	1		
7	RLT-635-2210-SC	6 1/2" Flange Roller w/Shaft for Scraper 5/8" Bore	2		
8	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	6	19101-	
9	RLG-040-1016	4" Urethane (Red)	6		
10	RLA-3023S	Curved Scraper, RH	1		
11	RLA-3024S	Curved Scraper, LH	1		
12	RLR-040-108	Roller 4" Flat (Tire)	1	11001- 20095001- 30095001-	
13	RLA-000-118	Standoff, 1/2" X 1 1/8"	1	11001	
14	BAR-0011	Bar, Roller Holder, Cross Conveyor (Tomato)	1	KIT-0011	
15	BC-7-3236-135	Cross conveyer chain, 7/16 in bars 32in wide 135 bars	1	11001	Pre 19201 machines require slight modification. (Drill 2 1/2" holes)
17	BC-7-32-ST	7/16" x 32" Belted Chain Rod for 60mm Belt	0	11001	
18	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	8	11001	For Clip Splice Option Sub 191-694
19	BC-F-36-32	F Connecting Clips 36-32 @ pair	2	11001	For Clip Splice Option
20	BC-1032-LN	10-32 lock nuts	8		
21	BC-7-32-CN	Connecting Rod 32" x 10mm	1		For Clip Splice Option
22	BC-3525	Grip Clip	2		

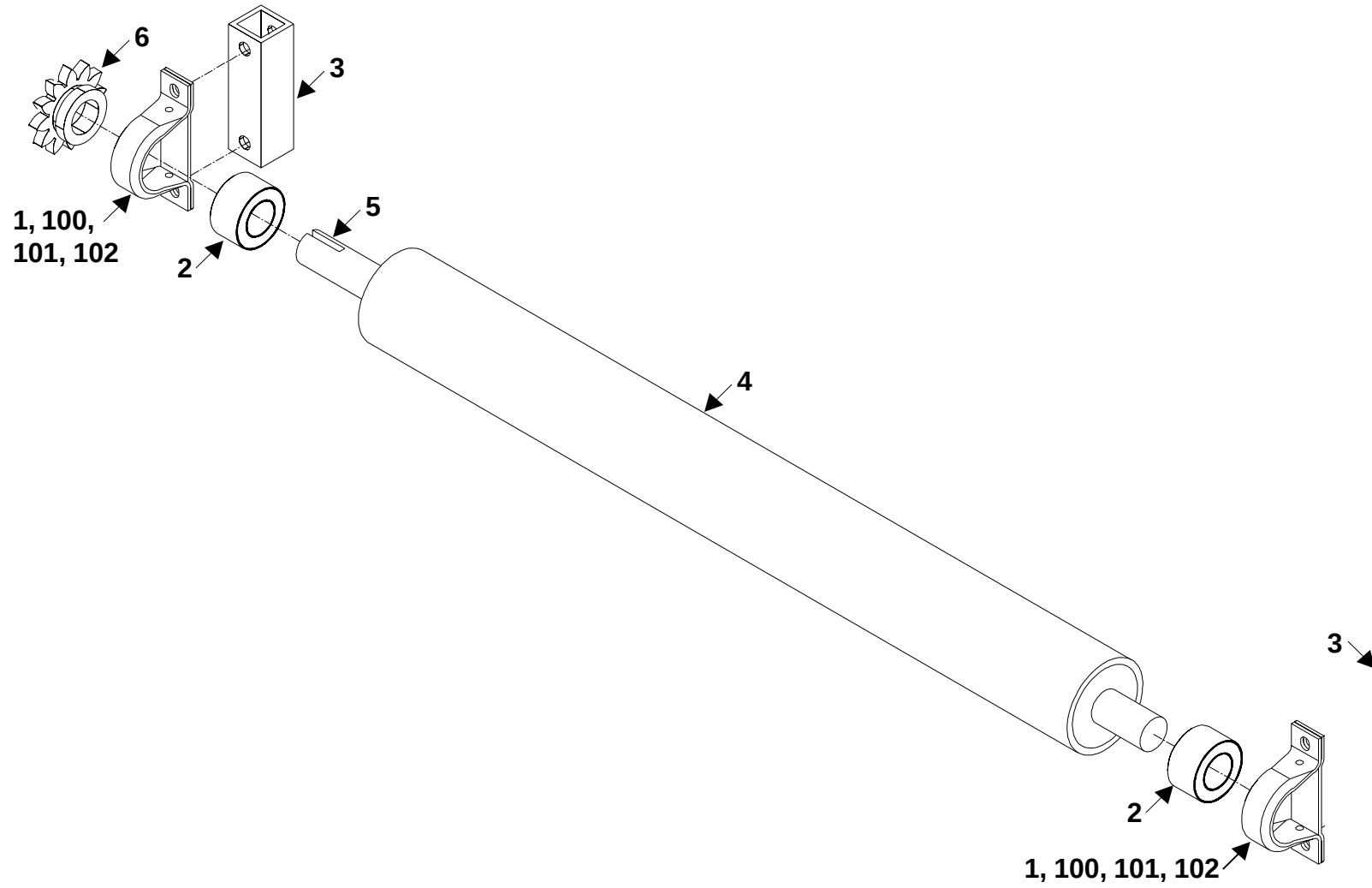
198-6-2 Cross Conveyor Drive Shaft Assembly



198-6-2 Cross Conveyor Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-806	Motor Mount	1	19401-	
2	193-806B	Motor Mount Stop	1	194-700K 19301-	
3	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
4	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
5	SFT-603	Shaft, Drive, Cross Conveyor, Tomato	1	19201-	Replaces 193-603 on Cross Conveyor
6	SC-20-2	Shaft Collar, 2 piece 1 1/4" bore	2		
7	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	2	11001	Sub SP-3612-20-4
8	194-641	LoveJoy Chain Tentioner	1	19401-	Update Kits
9	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
10	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	2		
11	HM-204-CH	Char-Lvn Hydraulic Motor	1		
12	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
13	SP-5017-T	Idler, 17 tooth x #50 Chain	2	19201- 195-208K 194-300K 194-700K 194-610K 193-1520K	Update Kits
14	SP-50B16-20-4	Roller Chain Sprocket, 50 x 16 Tooth	1	11001- 195-208K	
15	CH-50-145	Roller Chain 145 pitches #50 Debris Roller(Tomato) w/master link	1	19401	
101	BL-M10-30	Metric Bolt M10 x 30 For use on tensioners (194-641)	1		
102	BL-5-125-H	5/16-18 X 1 1/4 HEX CAP G5 ZC	1		
103	BL-5-LN	5/16-18 HEX LN NE ZC	1		
111	BL-5-100-SF	5/16-24 x 1 Socket Head Cap Screw	4		
112	BL-4-075-SCS	1/4-28 x 3/4" Socket Head Cap Screw	4		

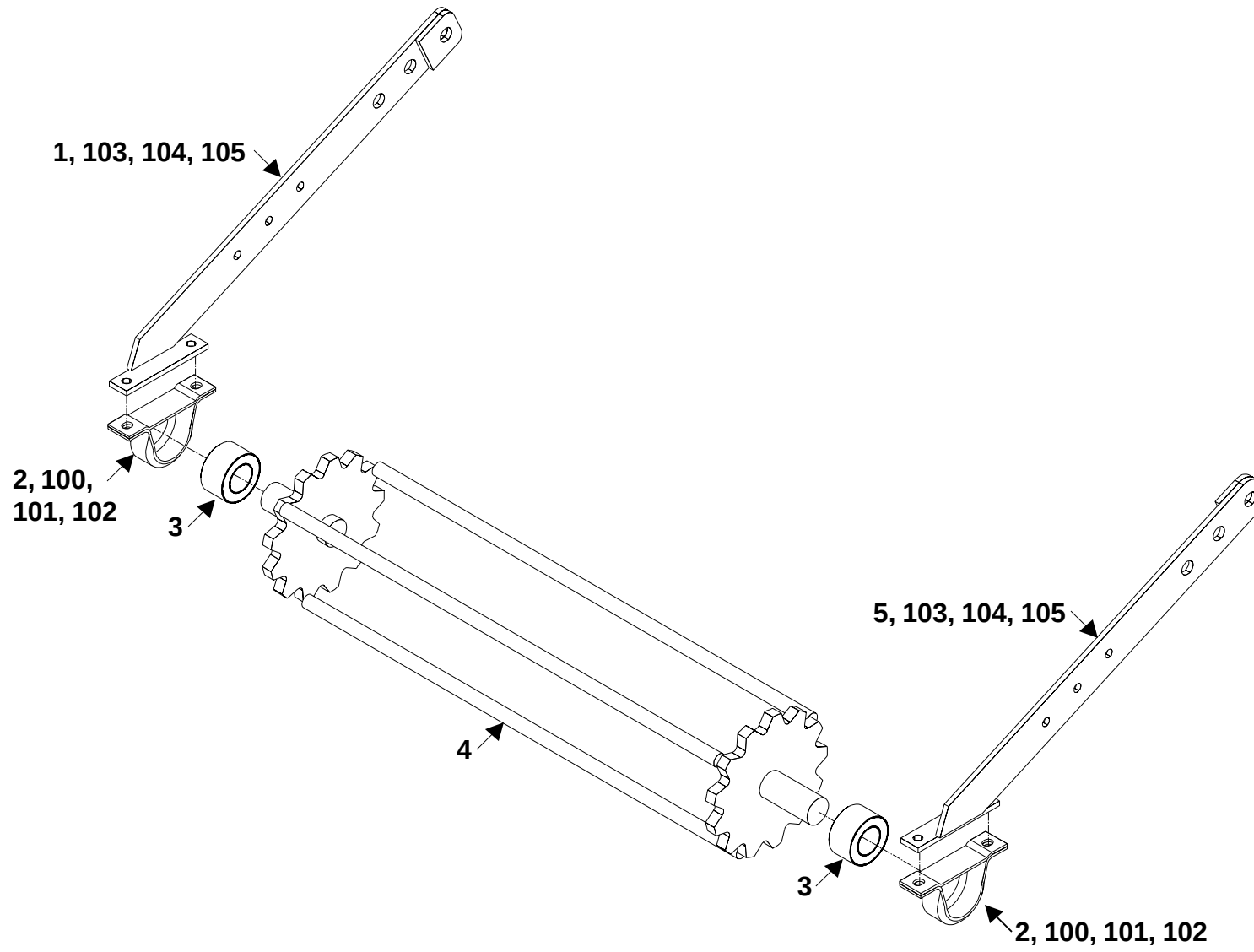
198-6-3 Cross Conveyor Return Roller Assembly



198-6-3 Cross Conveyor Return Roller Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	191-611	Spacer blocks for bearing	2	19101-	
4	194-610	Cross Chain cleaner Roller	1	19401-	
5	KEY-4-4-24	Shaft Key 1/4" x 1 1/2" Square Cut (1018)	1	KIT-1700	
6	SP-50B12-20-4	Sprocket, 12 tooth #50 1 1/4in bore	1	19201- 195-208K	Update Kits
100	BL-6-300-H	3/8 UNC X 3 HH C/S BOLT GR5 ZINC	4		
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		

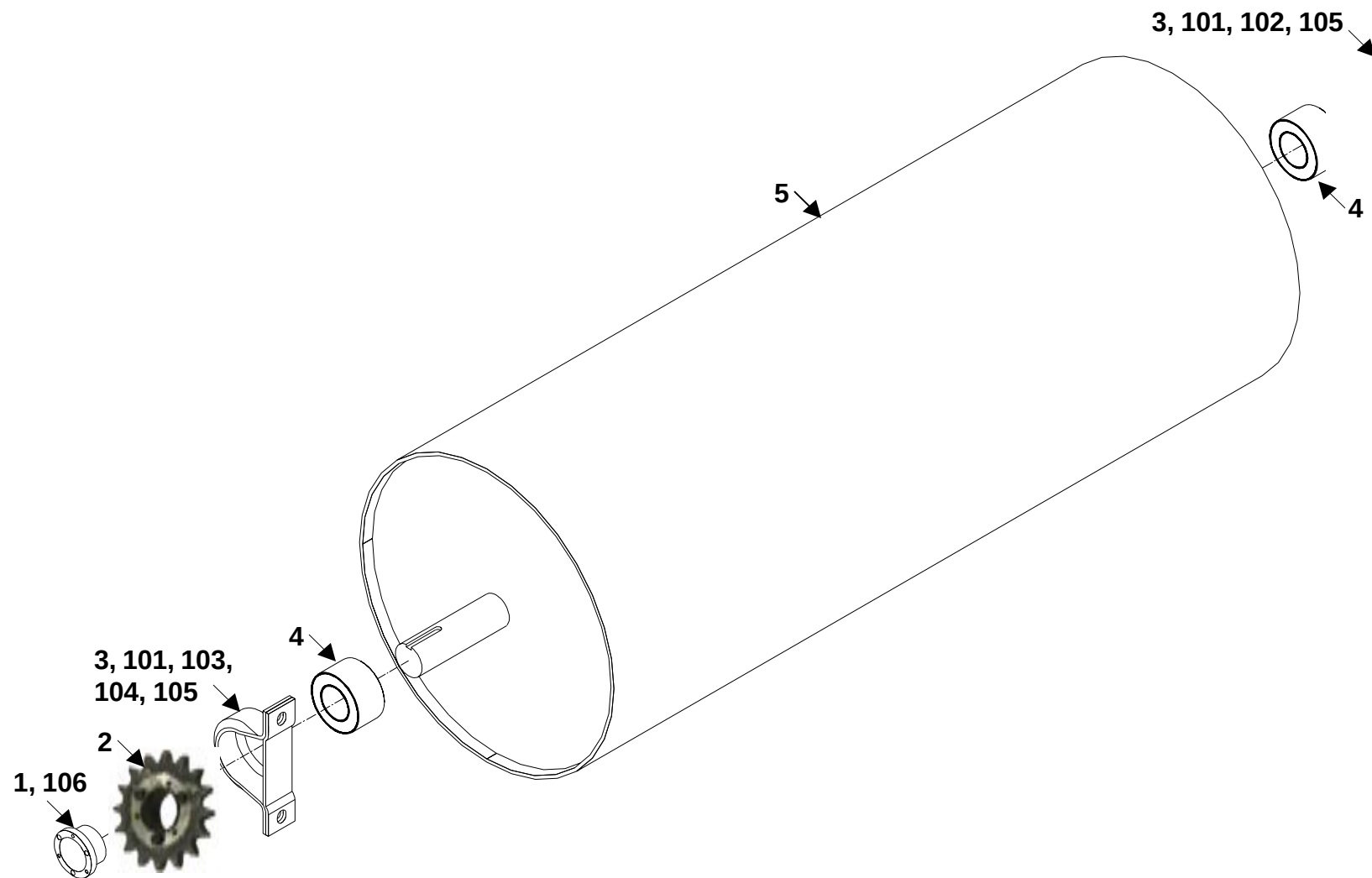
198-6-4 Cross Conveyor Chain Cleaner Assembly



198-6-4 Cross Conveyor Chain Cleaner Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	192-362B	Chain cleaner bar (Right)	1	19101	
2	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
3	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001-KIT-1700 194-231K 195-208K	
4	194-661	36mm x 32 Bar cleaner	1	1910	
5	192-362A	Chain cleaner bar (Left)	1	19101- 192-360K 192-1960K 192-660K 192-160K	
100	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	4	193-729K 194-231K	
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	4		
102	BL-6-SW	3/8 SAE FW ZC	8		
103	BL-10-075-SH	5/8 X 3/4 SHOULDER BOLTS	2	11001-	
104	BL-8-LN	1/2-13 HEX LOCK NUT NYLON INSERT ZC	2		
105	BL-8-SW	1/2 SAE FW ZC	2		

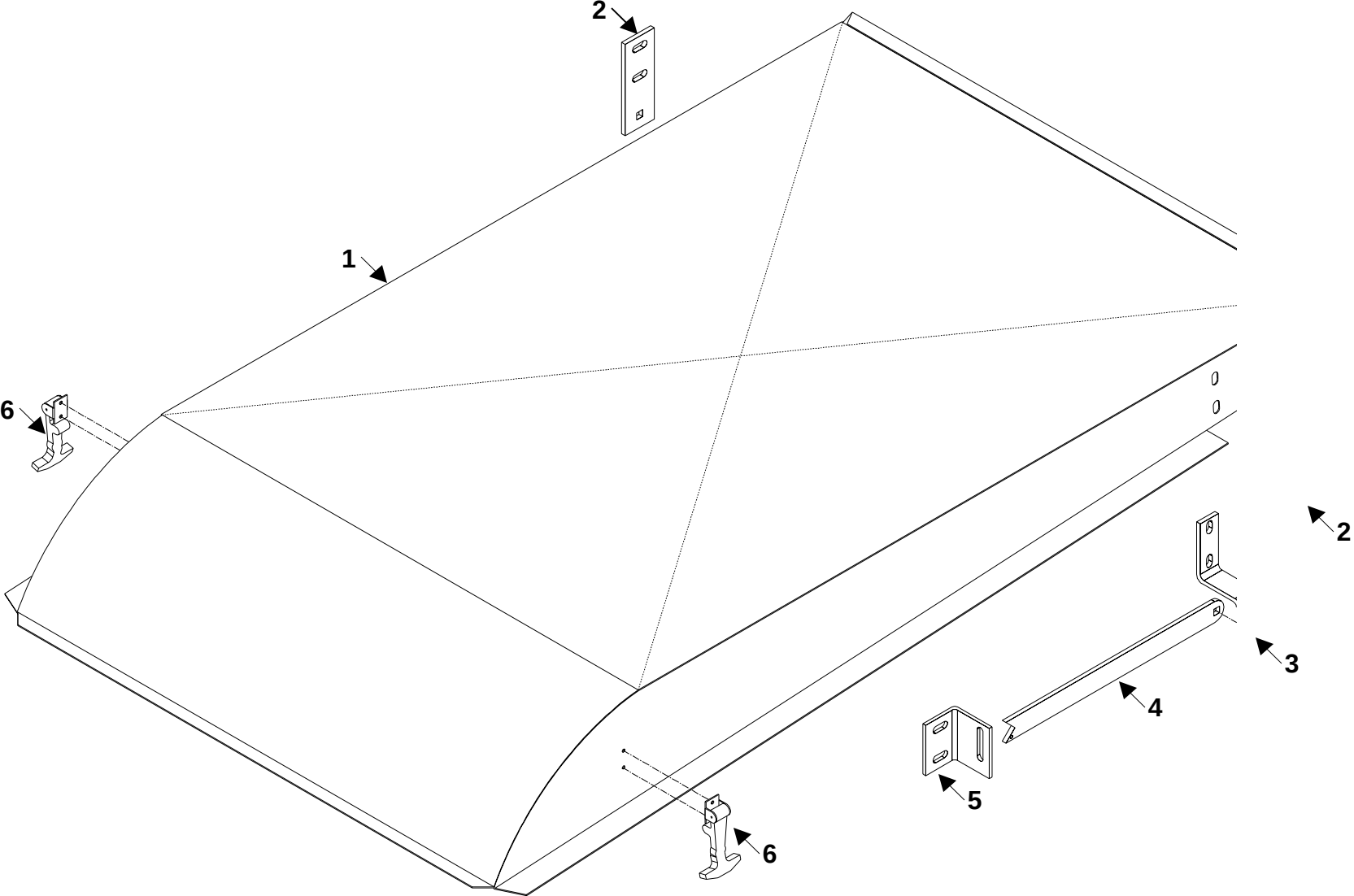
198-6-5 Debris Drum Assembly



198-6-5 Debris Drum Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	SP-1610-20	1 1/4" Taper Lock Bushing	1		
2	SP-50T16	Hardened Sprocket, #50 Roller Chain, 16 Tooth, Taper-Lock Style	1		
3	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
4	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
5	191-745	Debris Drum	1	19101-	
100	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	2	193-729K 194-231K	
101	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	2	194-231K	
102	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	2		
103	BL-6-LW	3/8 SPLIT LW ZC	2	193-729K 194-806K	
104	BL-6-N	3/8-16 HEX NUTS ZC	2	193-729K	
105	BL-6-SW	3/8 SAE FW ZC	4		
106	PU-JA-14B	Bolt for PU-JA-14 (3 @ pkg)	1		

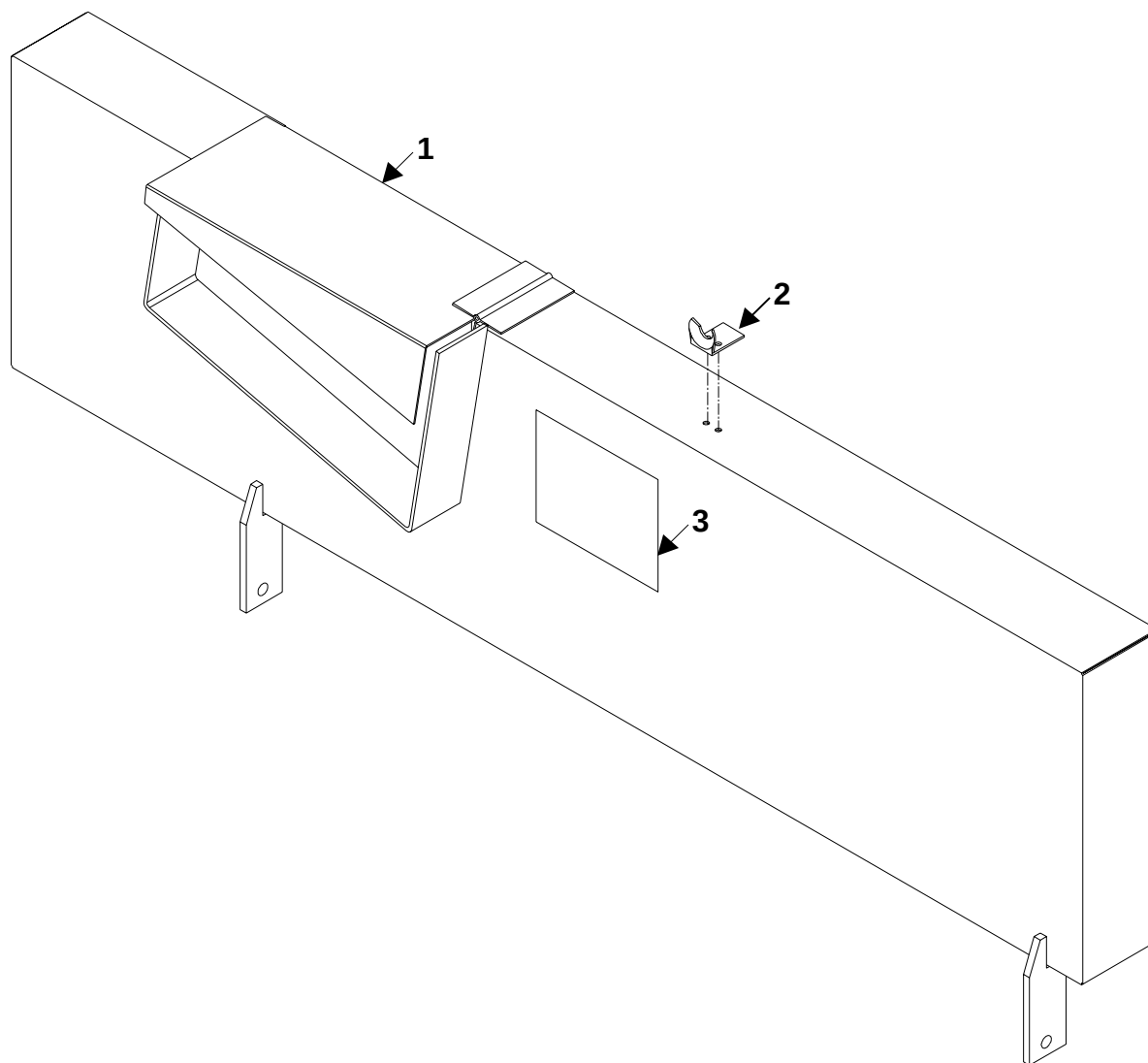
198-6-6 Cross Conveyor Cover Assembly



198-6-6 Cross Conveyor Cover Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	SHD-726	Cover, Air Deflector	1	19701-	
2	193-725	Hinge Bar for Air Deflector Hood	2	19301- 193-729K	
3	193-728	Hinge Bracket for Air Deflector Hood	1	19301- 193-729K	
4	193-729	Hinge Brace for Air Deflector Hood	1	19301- 193-729K	
5	193-729A	Hinge Brace Latch for Air Deflector Hood	1	19301- 193-729K	
6	LA-703A	Large Rubber T Latch	2	19401- 193-729K	

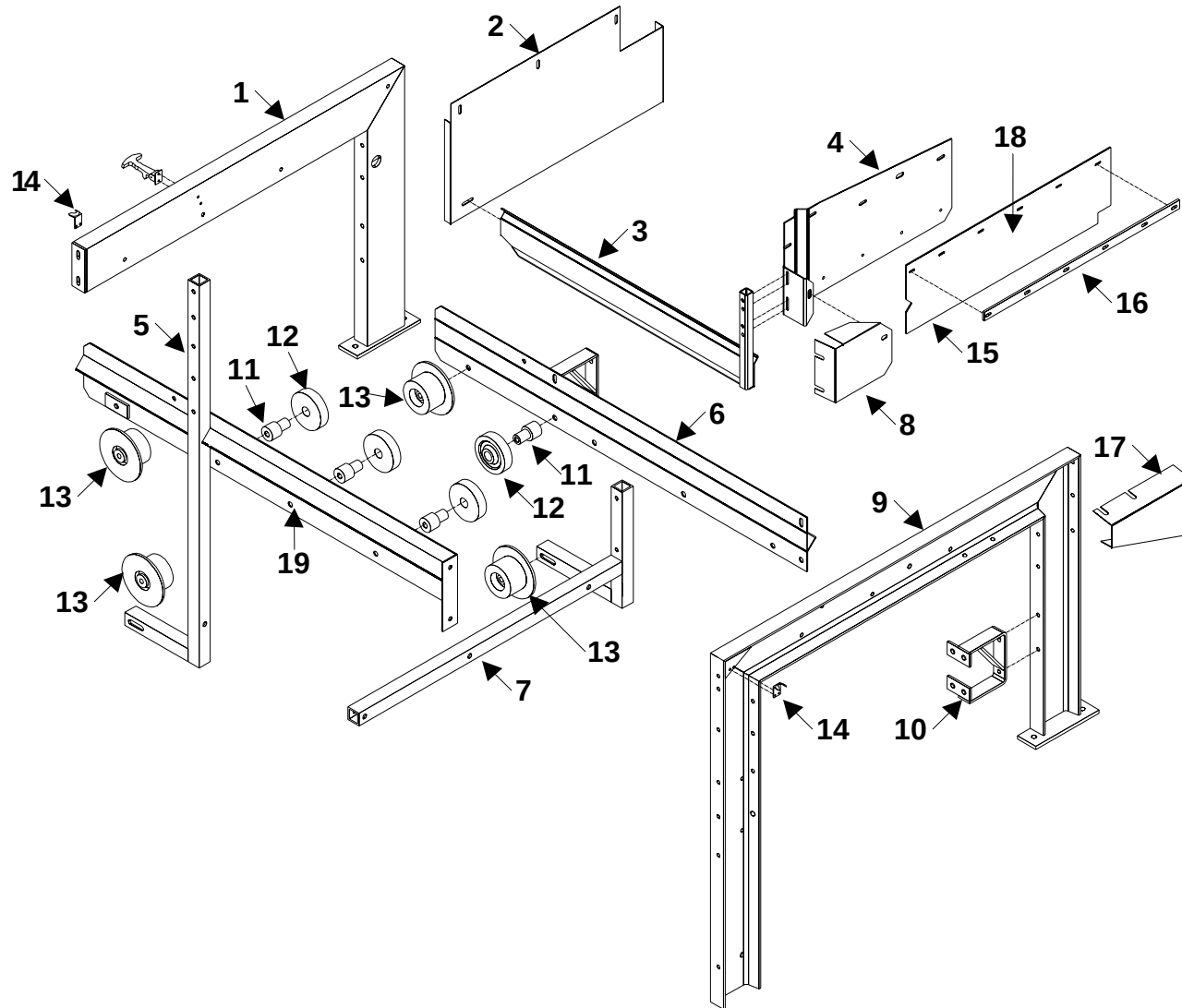
198-6-7 Cross Conveyor Drive Shield Assembly



198-6-7 Cross Conveyor Drive Shield Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	SHD-724	Shield, Debris Roll Drive	1	19601-	Replaces 194-724
2	LA-1530	Medium Rubber T Latch Assembly	1	195-208K	
3	DC-1176	Decal, Danger-Hand Chain Sprockets	1		

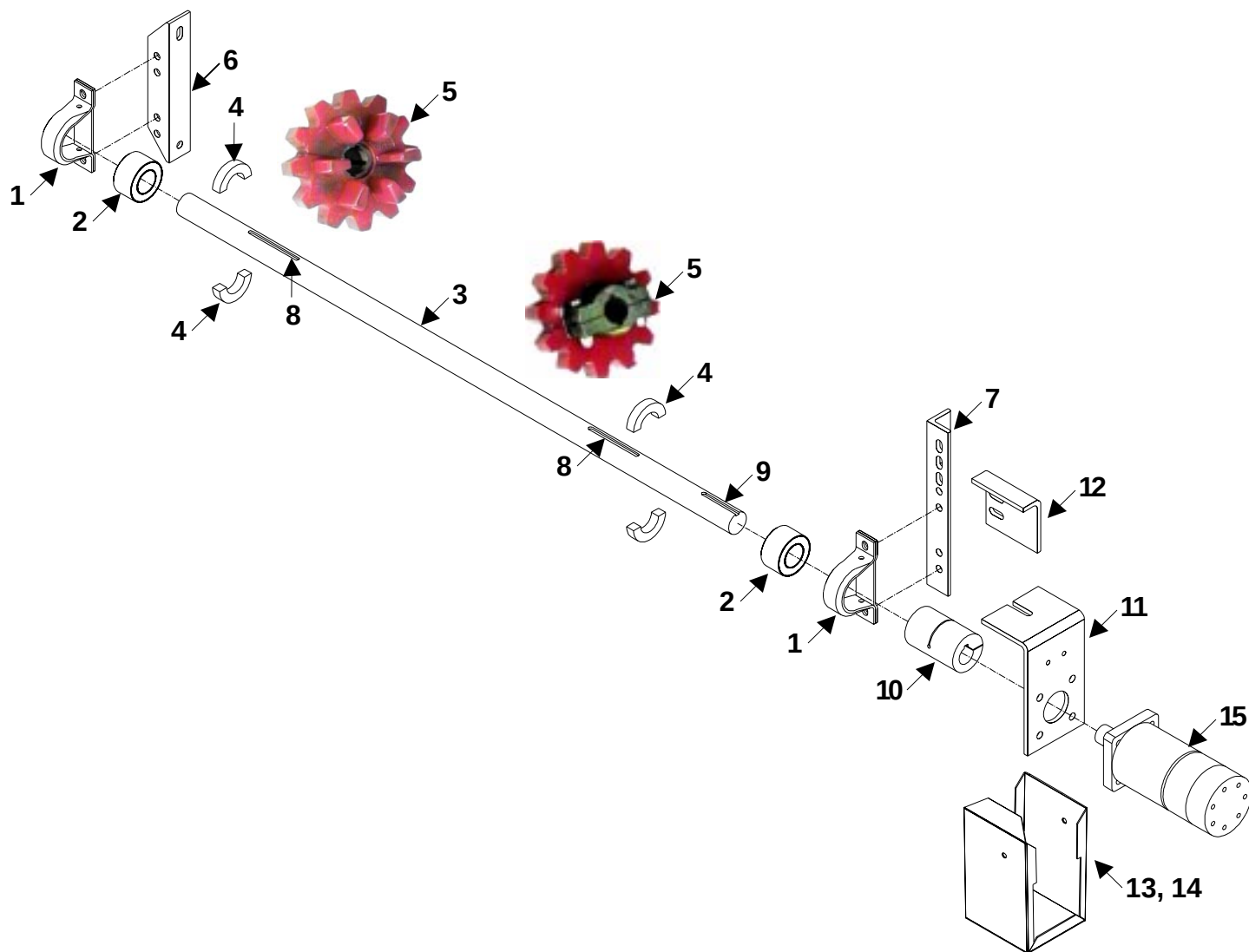
198-7-1 Rear Elevation Assembly



198-7-1 Rear Elevation Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-1136	Frame, Debris Air Flow, Rear Channel	1	19101-	
2	192-730	Rear Closure	1	19201-	
3	194-1545	Debris Drum Guard (Tomato)	1	19401-	
4	194-731	Front Closure	1	19401-	
5	191-738	Roller Support, Outer	1	19101-	
6	191-737	Roller support, Inner	1	19101-	
7	191-736	Support, rear debris fan	1	19101-	
8	194-731A	Debris Drum Sprocket Shield	1	19401-	
9	191-1137	Frame, Front Debris	1	19101-	
10	191-739	Bracket, Panel support	1	19101-	
11	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	4	19101-	
12	RLG-040-1016	4" Urethane (Red)	4		
13	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	4		
14	LA-703B	T Latch Keeper	2	19401	
15	BT-1731	Belting, Front Closure, Rear Elevation	1	19701-	
16	BAR-1731	Elevation, Front Closure	1	19701-	
17	SHD-1137	Shield, Shaft End, Rear Elevation	1	19101-kit-0038	
18	DC-1174	Decal, Danger Keep Hands and Feet Away	1		
19	STRP-610	6" Tarp Strap (ea.)	1		

198-7-2 Elevation Drive Shaft Assembly

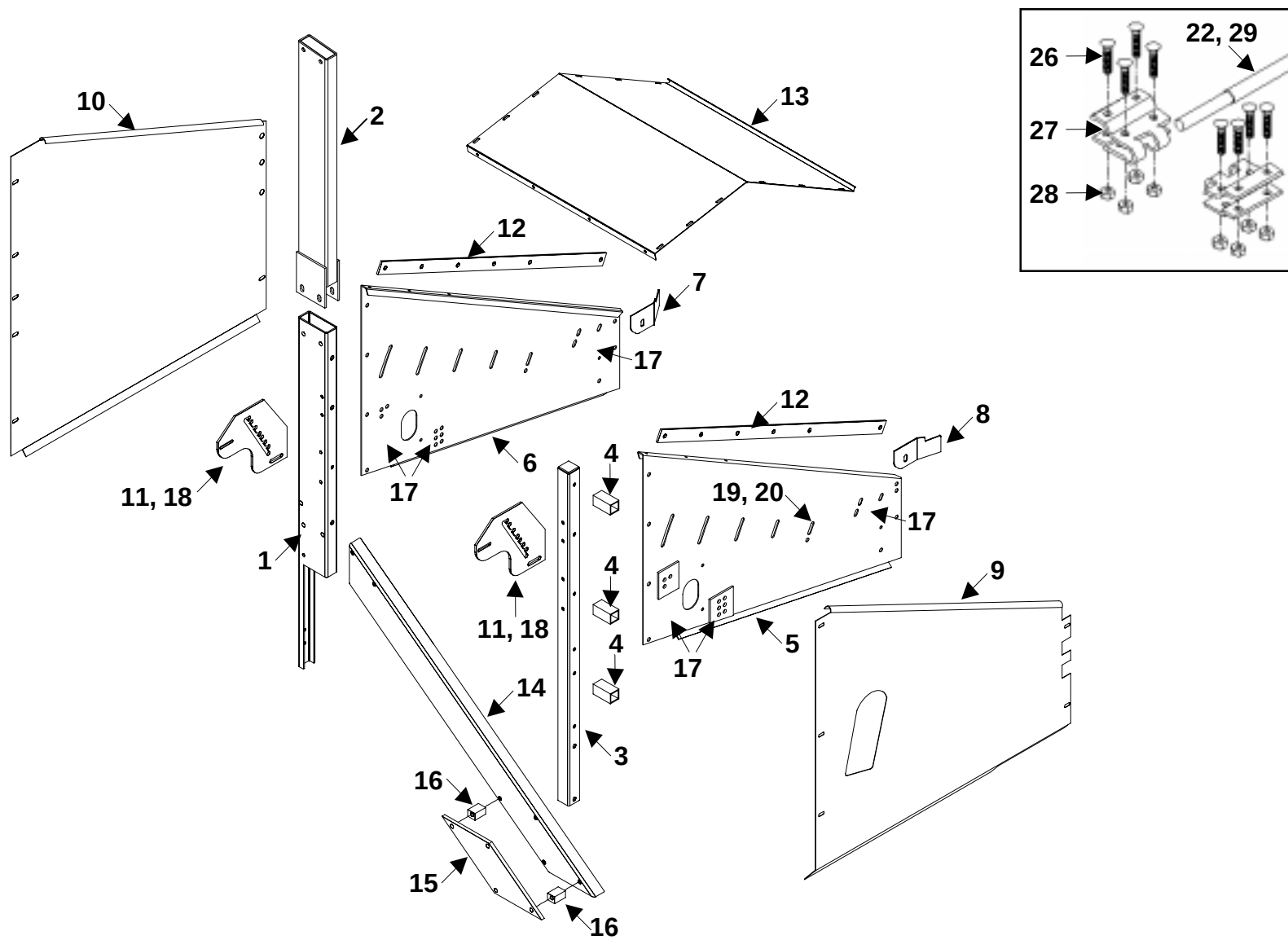


198-7-2 Elevation Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	193-603	Shaft, Elevation	1	19301- (Elevation) KIT-0050	
4	SC-20-2	Shaft Collar, 2 piece 1 1/4" bore	2		
5	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	2	11001	Sub SP-3612-20-4
6	MOU-742	Mount, Elevation, Drive Shaft Bearing, Outer	1	19705	
7	MOU-740	Mount, Elevation, Drive Shaft Bearing, Inner	1	MOU-740	
8	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	2		
9	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
10	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
11	193-806	Mount motor	1	19301- 20095001- 30095001- 194-806K KIT-0007	
12	193-806A	Motor mount stop	1	19301- 20095001- 30095001- KIT-0001	
13	193-806C	Motor Guard	1	19301-	
14	DC-1176	Decal, Danger-Hand Chain Sprockets	1		
15	HM-204-CH	Char-Lyn Hydraulic Motor	1		

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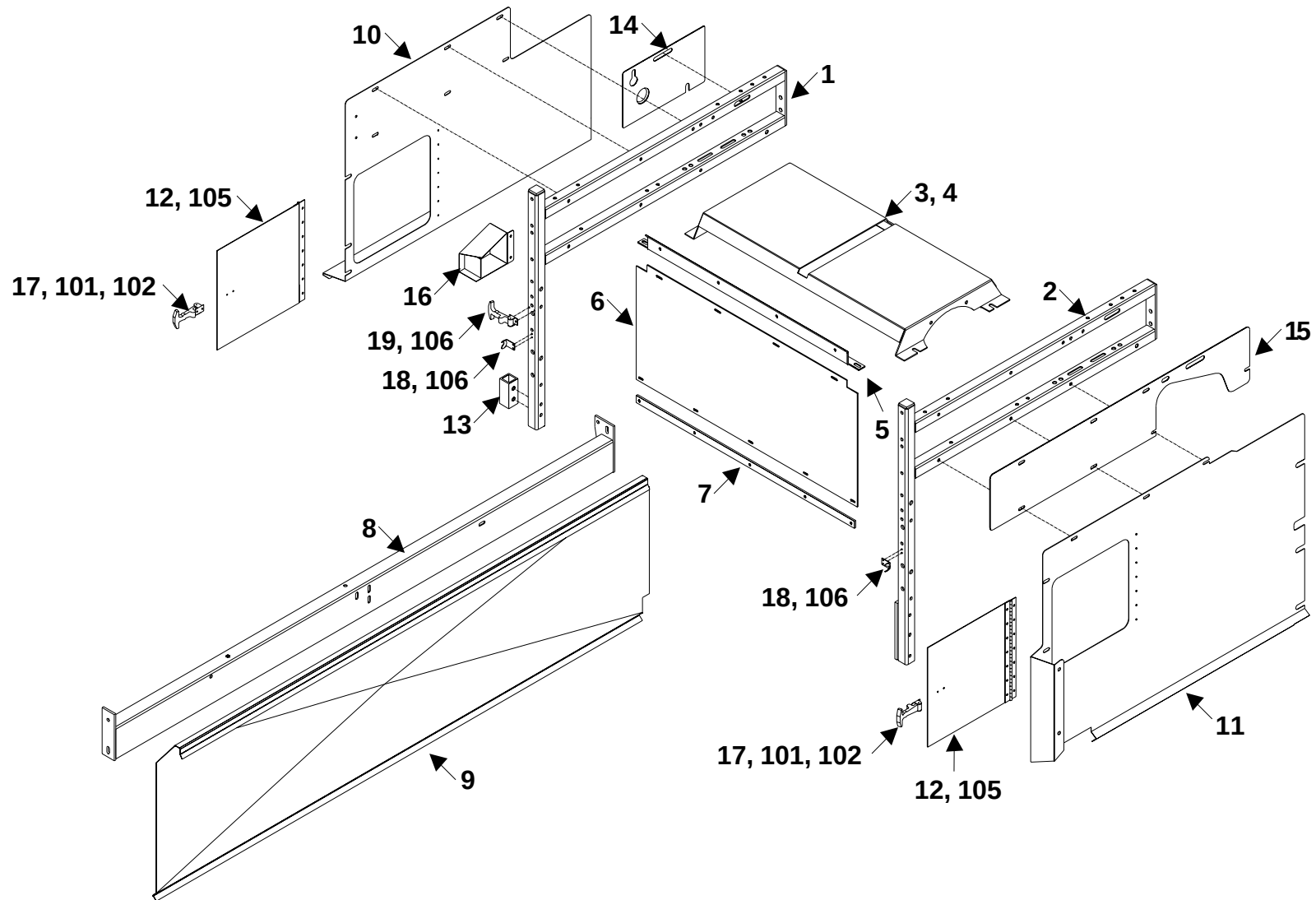
198-7-3 Front Elevation Assembly



198-7-3 Front Elevation Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	POS-1121	Post with Cut-out	1	KIT-1118	
2	193-1138A	Rear roof support, upper	1	19301-	
3	193-1138C	Post, Rear Inner Presort	1	19301-	
4	191-1555	Spacer, debris chute	3	11001-19301	
5	SID-740	Side, Inner, Front Elevation	1	19705	
6	SID-741	Side, Outer, Front Elevation	1	19705	
7	SHD-1545	Roller Guard (Outer)	1		
8	SHD-1544	Roller Guard (Inner)	1		
9	SHD-744	Debris Chute, Inner Elevation, Tomato	1	19705 19801-	
10	193-743	Debris chute (outer)	1	19301-	
11	MOU-1130	Mount, Roller, Front Elevation	2	19705	
12	BAR-742	Bar, Roller Adjuster, Front Elevation	2	19705	
13	194-1550	Elevation Shield	1	19401	
14	POS-1118	Post, Support	1	KIT-1118	
15	MOU-1118	Mount Plate	1	KIT-1118	
16	SPA-1118	Spacer, CAM	2	KIT-1118	
17	RLT-535-128	Narrow Flange Roller 1.2 WF 3.5 dia, 1/2" Bore	6		
18	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	2		
19	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	8	19101-	
20	RLG-040-1016	4" Urethane (Red)	8		
21	BC-7-3236-186-FL	36mm x 32" Belted Chain, 186 Pitches, w/ Flights	1		
22	BC-3525	Grip Clip	2		
23	BC-6-32-DC	3/8" x 32" Downcrank Rod for 60mm Belt	38		
26	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	16	11001	For Clip Splice Option Sub 191-694
27	BC-F-36-32	F Connecting Clips 36-32 @ pair	2	11001	For Clip Splice Option
28	BC-1032-LN	10-32 lock nuts	16		
29	BC-6-32-CN	Connecting Rod 32" x 10mm	1	11101	For Clip Splice Option

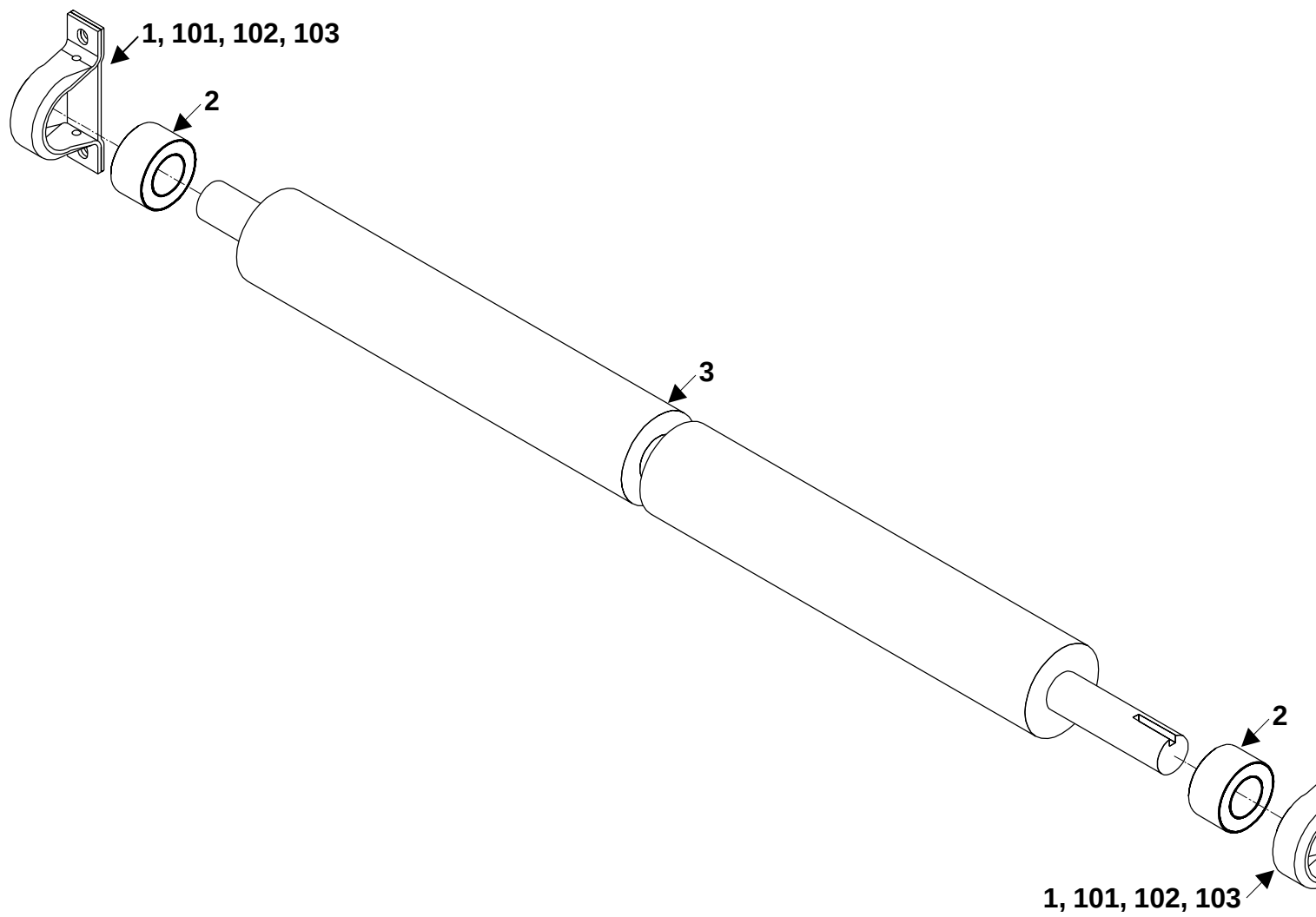
198-8-1 Presort Assembly



198-8-1 Presort Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	196-1525	Frame, Presort	1	19601-	Replaces 193-1525
2	FRM-1526	Presort Frame, Inner	1	19801- 19705	
3	BT-72V32E	Presort Belt 32" X 72.25" Endless	1	19101	
4	193-1520	Slider, Presort	1	19301-	
5	193-1546	Endless belt scraper	1	19301-	
6	BT-1548	Belting, Presort Scraper, Big Wheel, Narrow Shield	1	KIT-1118 19801-	
7	BAR-1548	Bar, Belting, Presort, Narrow Shield	1	19705 19801-	
8	194-834	Cross Bar (over wheel well)	1	19401-	Replaces 191-834
9	194-827	Cover, Wheel	1	19401-	
10	SHD-1524	Shield, Outer Presort	1	19705 19801-	
11	SHD-1538	Shield, Inner, Presort, Lower	1	19705 19801-	
12	SHD-1525	Shield, Access Panel, Presort Door	2	19705 19801-	
13	SPA-1526	Spacer, Outer, Presort	1	19801- 19705	
14	SHD-1520	Shield, Outer, Top, Presort Assy.	1	19705 19801-	
15	SHD-1537	Shield, Inner, Top, Presort Drive	1	19705 19801-	
16	SHD-1523	Shield, Shaft End, Outer, Presort	1	19705 19801-	
17	LA-703A	Large Rubber T Latch	2	19401- 193-729K	
18	LA-703B	T Latch Keeper	2	19401	
19	LA-1530	Medium Rubber T Latch Assembly	1	195-208K	
101	BC-1032-LN	10-32 lock nuts	4		
102	BL-1032-050	10-32 x 1/2" Bolt	4		
105	RI-3-5-P	Pop Rivet 3/16 x 5/16 Domed, .375 head, ea	14		
106	RI-3-6-P	Pop Rivets 3/16 x 3/8 Domed, .375 head, ea.	6	193-729K 195-208K	

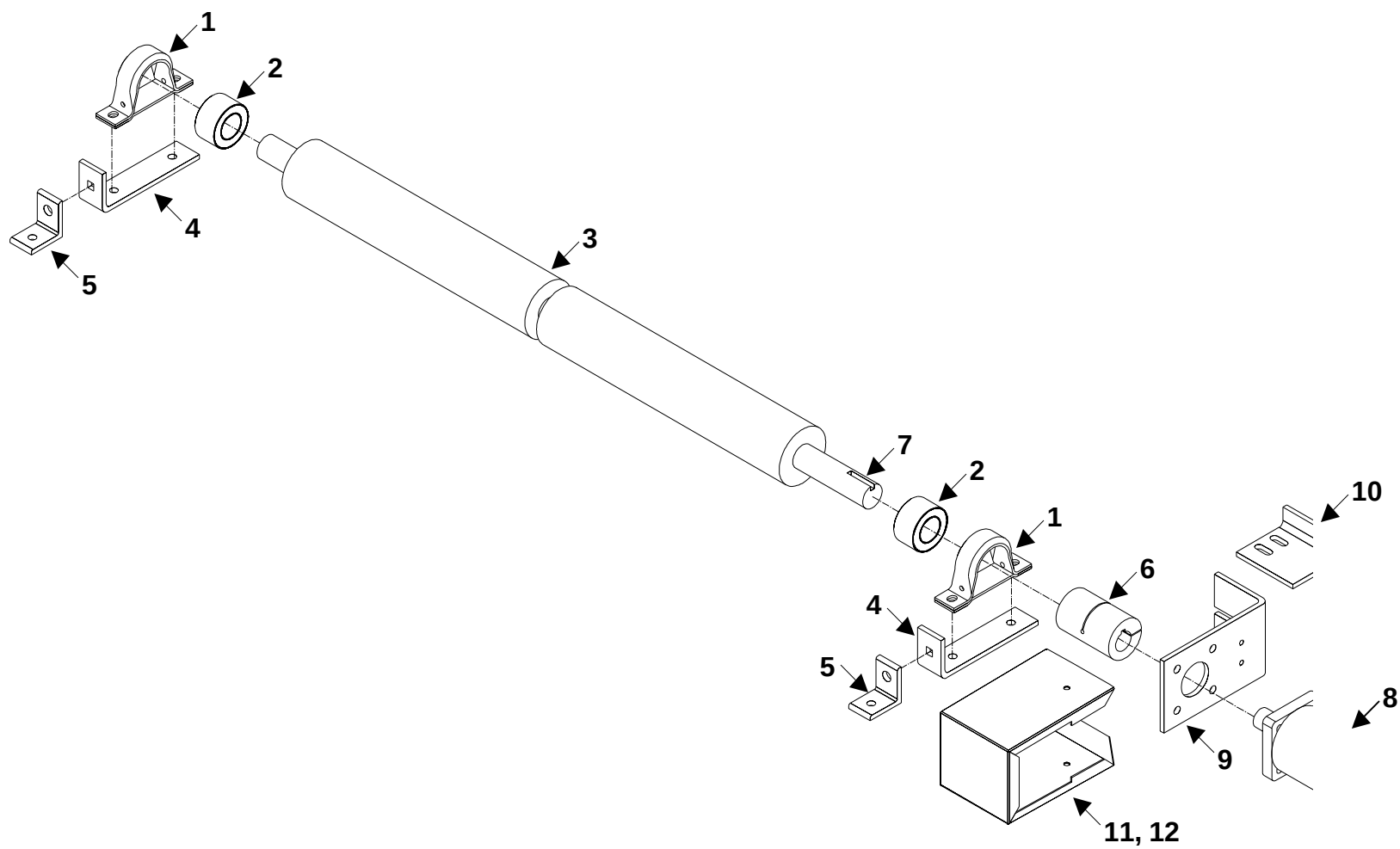
198-8-2 Front Presort Roller Assembly



198-8-2 Front Presort Roller Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
3	193-1523R	Roller, Presort Flat Belt Drive & Nose (Tomato)	1	19301-	
101	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
102	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
103	BL-6-SW	3/8 SAE FW ZC	8		

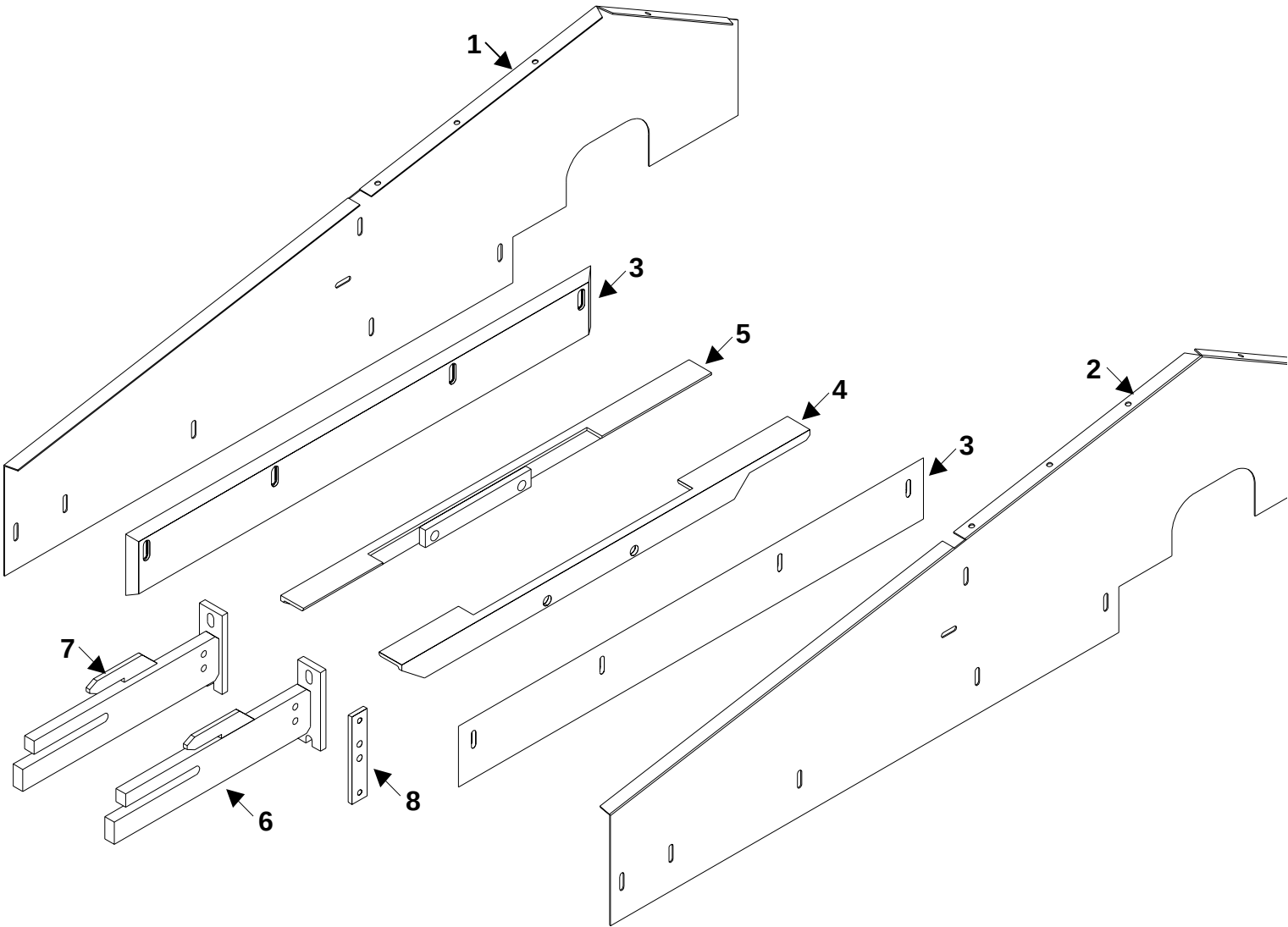
124



198-8-3 Rear Presort Roller Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	193-1523R	Roller, Presort Flat Belt Drive & Nose (Tomato)	1	19301-	
4	192-1528	Bearing Adjuster	2	19201-	
5	BRA-1528	Bracket, Tightener	2	19705 19801-	
6	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
7	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
8	HM-208-CH	Char-Lynn Hydraulic Motor	1		
9	193-806	Mount motor	1	19301- 20095001- 30095001- 194-806K KIT-0007	
10	193-806A	Motor mount stop	1	19301- 20095001- 30095001- KIT-0001	
11	193-806C	Motor Guard	1	19301-	
12	DC-1176	Decal, Danger-Hand Chain Sprockets	1		

198-8-5 Grademaster Presort Assembly



198-8-5 Grademaster Presort Assembly

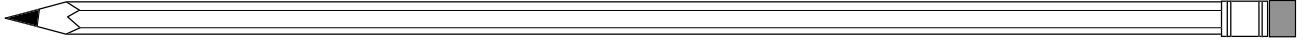
<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	GAU-1000	Alignment Gauge, Grademaster Electronic Box	1	19701-	
0	SRT-1522	32" Odenberg GradeMaster Color Sorter	1		
1	PAN-1566	Panel, Outer, Presort, Straight w/Cut-out	1	19705 19801-	
2	PAN-1567	Panel, Inner, Presort, Straight w/Cut-out	1	19705 19801-	
3	PL-1564	Guide, Plastic, Grademaster Presort Assy.	2	19601- KIT-0047	
4	EX-1520B	Extention, Slider, Inner	1	19601-	
5	EX-1520A	Extention, Slider, Outer	1	19601-	
6	BRA-1568	Bracket, Grademaster, Inner	1	19801-, 19705 19705	
7	BRA-1570	Bracket, Grademaster, Outer	1	19801-, 19705	
8	BAR-1567	BAR, FRL HOLDER	1	19701-	

SECTION 1: PARTS

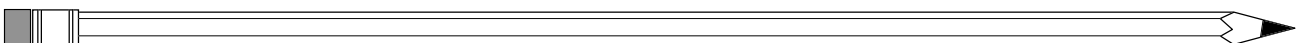
198-8-6 **No Sorter Presort Parts ONLY**

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	BRA-1569	Bracket, FRL, Grademaster	1	19601-	
0	SHD-1569	Shield, Shaft, Inner Presort	1	19601-	

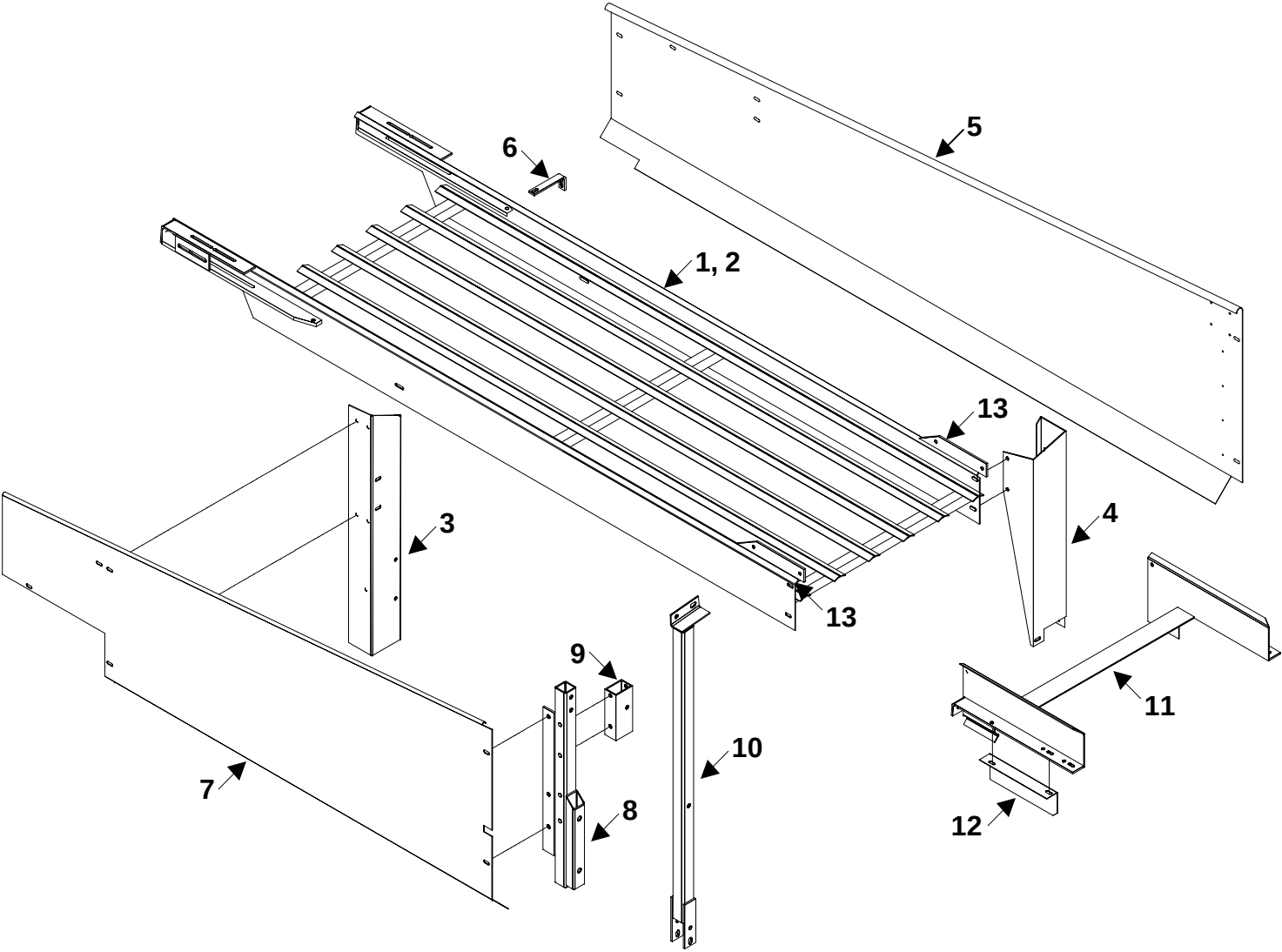
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



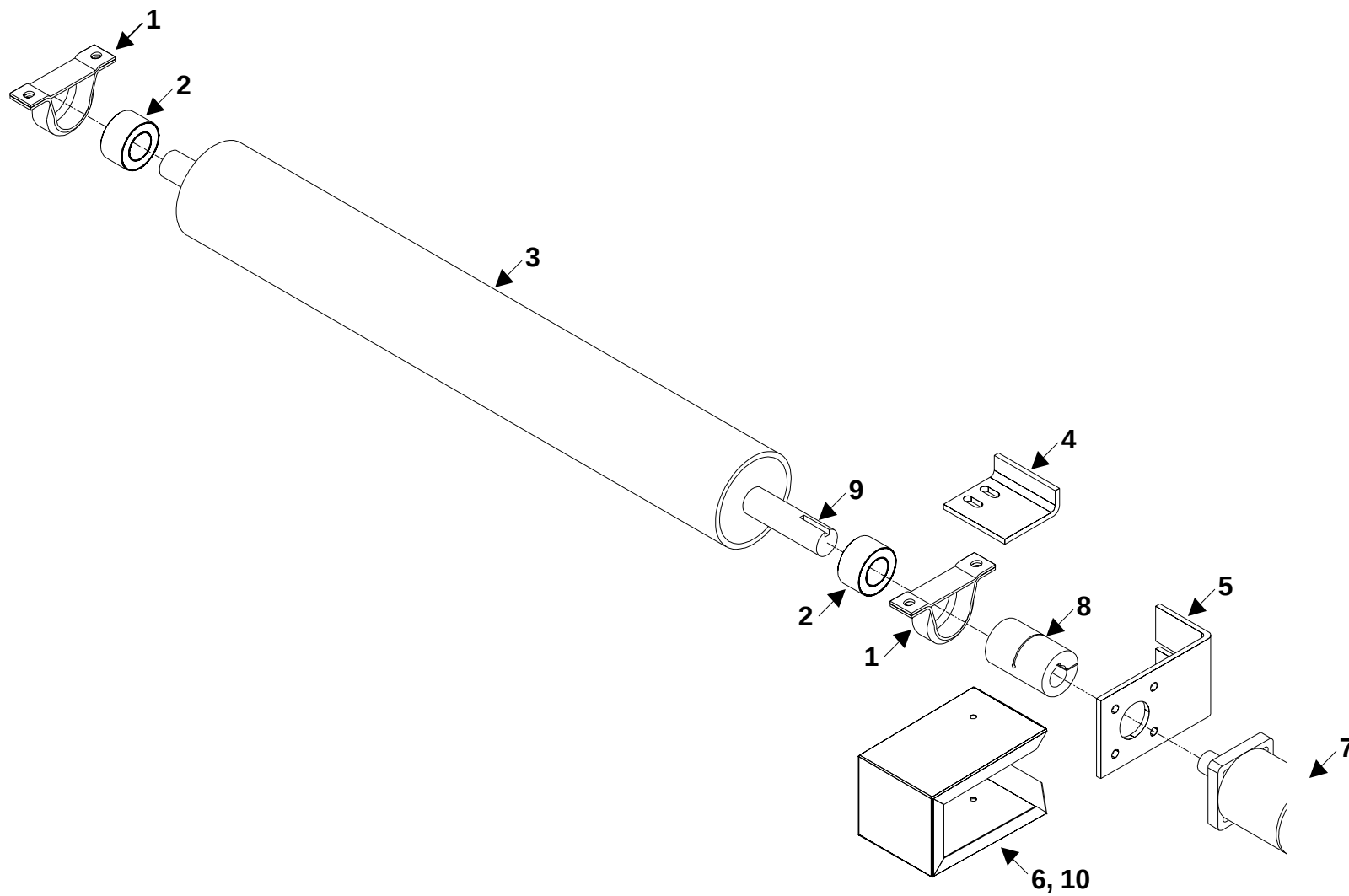
198-9-1 Aftersort Assembly



198-9-1 Aftersort Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	196-800	Aftersort Table	1	19601-	
2	BT-257F32E	Sort belt (endless) 32" X 257"	1	19301-19525 19701-	
3	193-841	Rear outer aftersort post	1	19301-	
4	193-840	Front inner aftersort post	1	19301- KIT-0007	
5	192-127	Debris Chute, Inner Aftersort (Tomato)	1	19201-	
6	191-129	Bracket, Inner Debris Chute	1	19101-	
7	193-128	Debris Chute, Outer Front (Tomato)	1	19301-	
8	193-1139B	Front Roof support, Bottom	1	19301-	
9	193-800S	Spacer, Outer Front Aftersort	1	19301-	
10	193-1139A	Front Canopy Support , Top	1	19301-	
11	193-800A	Sorting Table, Foldup	1	19301- KIT-0007	
12	COV-800A	Cover, Aftersort	1	19301-	
13	194-1418	Rubber Bumper	2	19401	

198-9-2 Aftersort Drive Shaft Assembly

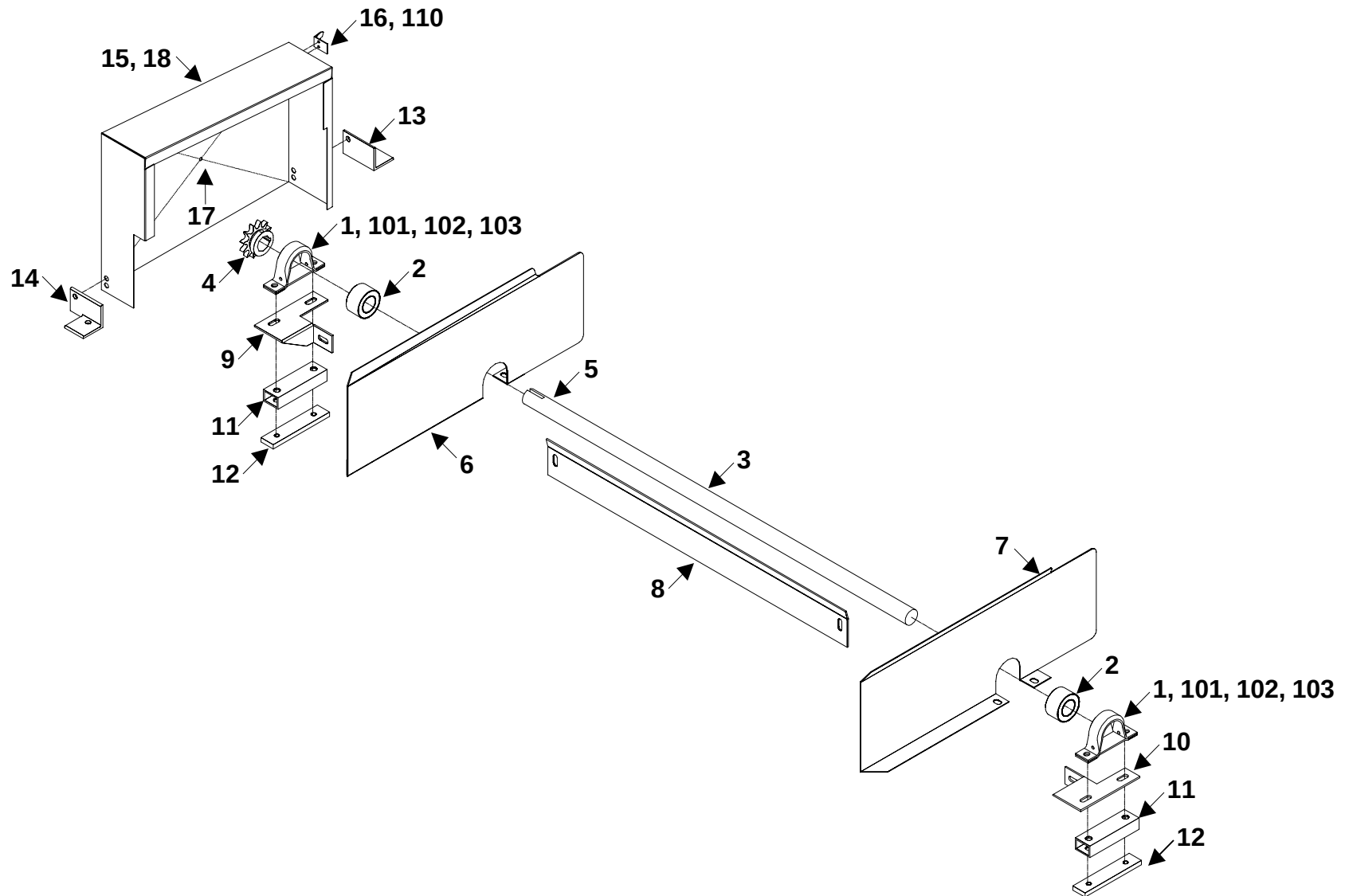


198-9-2 Aftersort Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	110-808	Roller, Aftersort Drive	1	11001-	
4	193-806A	Motor mount stop	1	19301- 20095001- 30095001- KIT-0001	
5	193-806	Mount motor	1	19301- 20095001- 30095001- 194-806K KIT-0007	
6	193-806C	Motor Guard	1	19301-	
7	HM-204-CH	Char-Lyn Hydraulic Motor	1		
8	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
9	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
10	DC-1176	Decal, Danger-Hand Chain Sprockets	1		

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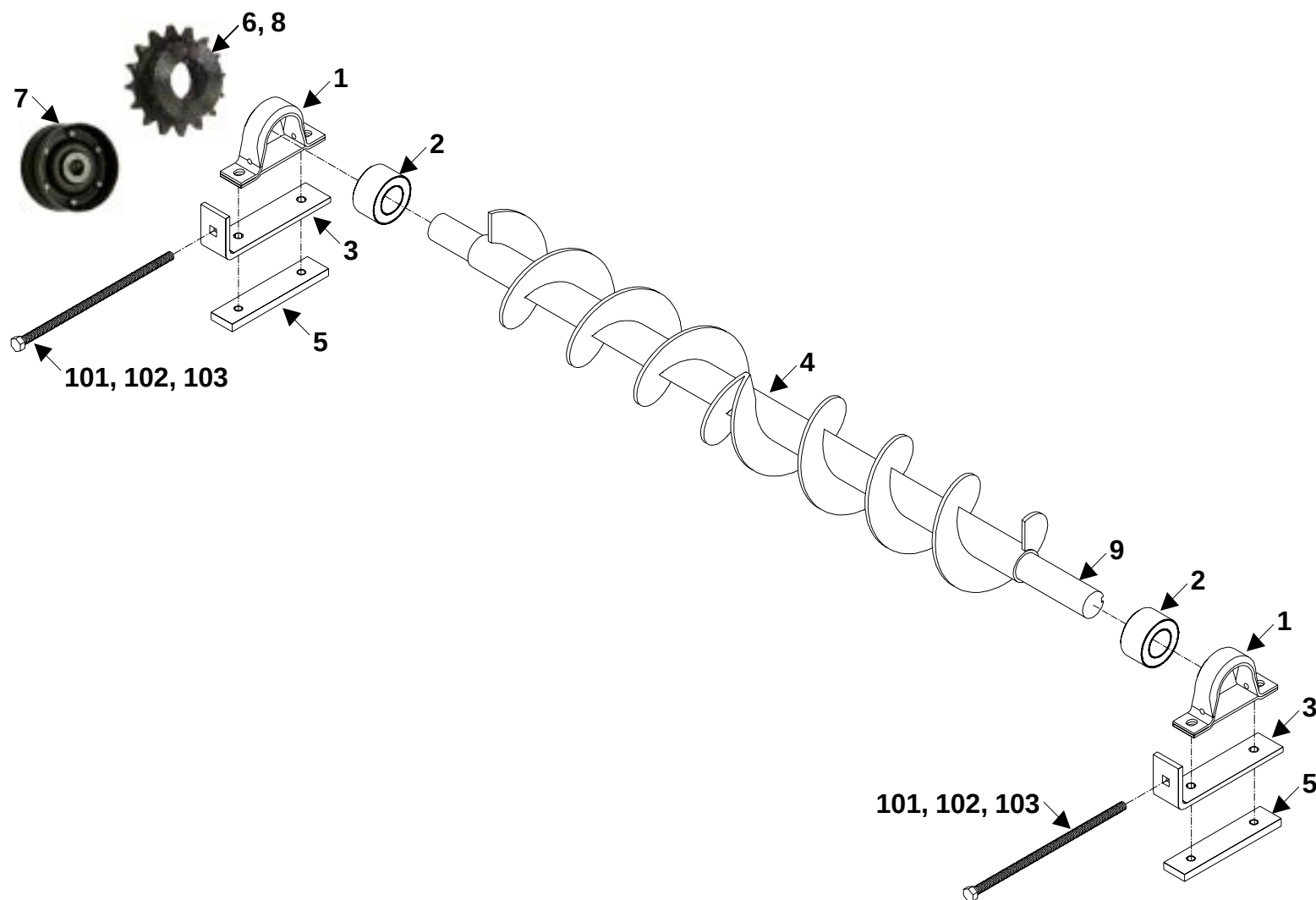
198-9-3 Aftersort Divider Bar Assembly



198-9-3 Aftersort Divider Bar Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
3	191-848	Shaft, Rolling Guard	1	19101-	
4	SP-50B12-20-4	Sprocket, 12 tooth #50 1 1/4in bore	1	19201-195-208K	Update Kits
5	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
6	SHD-848	Guard, Outer Aftersort	1	19801-kit-0059	
7	SHD-849	Guard, Inner Aftersort	1	19801-kit-0059	
8	SCR-001	Scraper, Aftersort	1	19705	
9	BRA-850	Bracket, Rolling Guard, Scraper, Outer	1	19101-Kit-0007	
10	BRA-851	Bracket, Rolling Guard, Scraper, Inner	1	19101-kit-0007	
11	SPA-810	Spacer, Divider Bar, Aftersort	2	19801-19705	
12	191-805	Bracket, Rear Aftersort	2	19101-	
13	BRA-1536	Bracket, Cover Hinge, Aftersort	1	19705 19801-	
14	193-1536	Mounting Angle, Outer Presort Shield	1	19301-	
15	COV-845	Cover, Divider Shaft Drive, Aftersort	1	19705 19801-	
16	LA-1530	Medium Rubber T Latch Assembly	1	195-208K	
17	194-1418	Rubber Bumper	1	19401	
18	DC-1176	Decal, Danger-Hand Chain Sprockets	1		
101	BL-6-250-H	3/8-16 X 2 1/2 HH C/S GR5 ZC	4	194-231K	
102	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
103	BL-6-SW	3/8 SAE FW ZC	4		
110	RI-3-5-P	Pop Rivet 3/16 x 5/16 Domed, .375 head, ea	2		

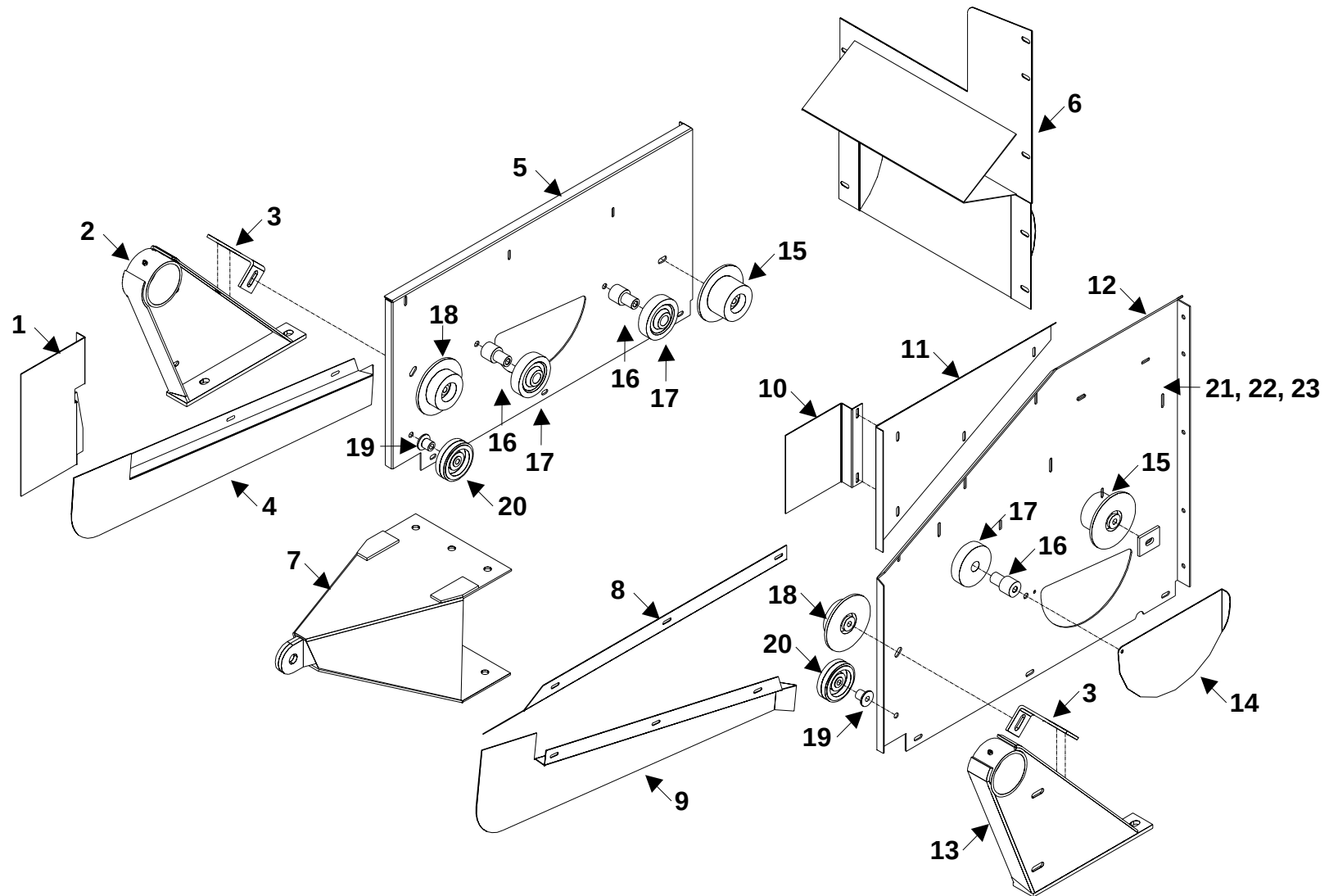
198-9-4 Aftersort Auger Assembly



198-9-4 Aftersort Auger Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001-KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001-20095001-KIT-1700 194-231K 195-208K	
3	192-1528	Bearing Adjuster	2	19201-	
4	194-804	Aftersort Tail Pulley (auger type)Red	1	19401-	Must be installed so that augers run out from center
5	191-805	Bracket, Rear Aftersort	2	19101-	
6	SP-50B16-20-4	Roller Chain Sprocket, 50 x 16 Tooth	1	11001-195-208K	
7	SP-FLT-T	Flat Roller Chain Idler	1	11001	
8	CH-50-35	Roller Chain 35 pitches #50 Power Divider w/master link		19101-19625,19801-	
9	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
101	BL-6-900-T	3/8-16 X 9 HEX TAP G5 ZC	2		
102	BL-6-N	3/8-16 HEX NUTS ZC	6	193-729K	
103	BL-6-SW	3/8 SAE FW ZC	18		

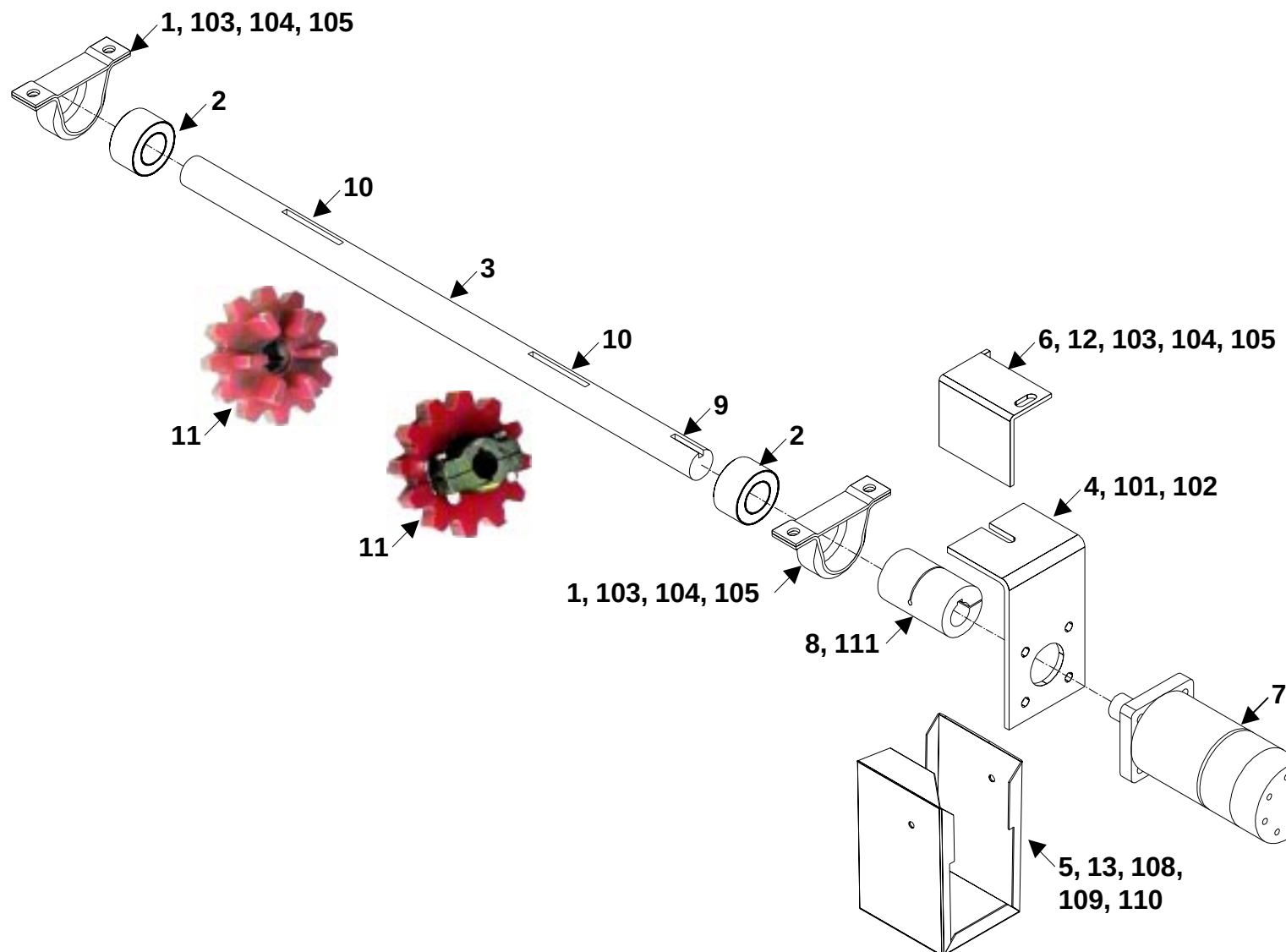
198-10-1 Discharge Basket Assembly



198-10-1 Discharge Basket Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-937A	Discharge Basket, Rear Extention (Tomato)	1	19101-	
2	191-927	Rear discharge elevator mount	1	19101	
3	191-928	Bracket for front panel-elevator mount	2	19101-	
4	191-937	Discharge, Tomato quard rear	1	19101-	
5	191-921	Panel, Rear Discharge	1	19101-	
6	194-925	Discharge Valve	1	19401-	
7	191-917	Discharge Cylinder Mount	1	19101-	
8	193-922	Deflector	1	19301-	
9	192-936	Tomato Guard, Front Discharge	1	19201-	
10	192-936A	Discharge basket, Front Extention	1	19201-	
11	193-920A	Front Discharge Panel Extention	1	19301-	
12	193-920	Front Discharge panel	1	19301-	
13	191-926	Discharge Elevator Mount, Front	1	19101-	
14	PAN-920C	Panel, Access	1	19301-	
15	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia. 1/2" bore	2		
16	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	3	19101-	
17	RLG-040-1016	4" Urethane (Red)	3		
18	RLT-535-128	Narrow Flange Roller 1.2 WF 3.5 dia, 1/2" Bore	2		
19	RLA-000-118	Standoff, 1/2" X 1 1/8"	2	11001	
20	RLR-040-108	Roller 4" Flat (Tire)	2	11001- 20095001- 30095001-	
21	ELS-1150	Levelator, Complete w/Decal & Mount	1	19701-	
22	DC-191-LV	Decal, Level Control Box, Tomato, '97	1	197	
23	ELS-1154	Cord, Power, Level Controller	1	used w/ els-1153	

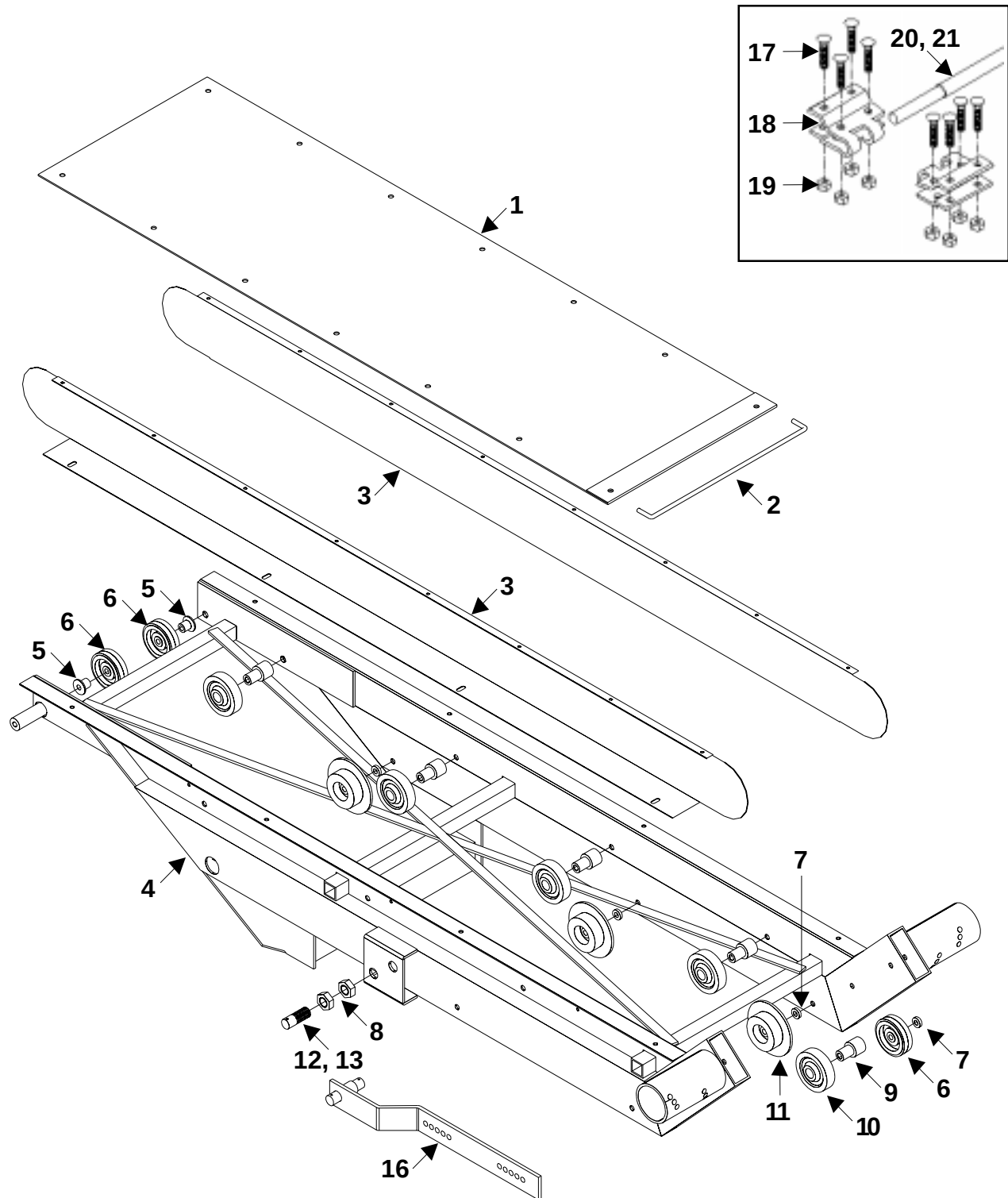
198-10-2 Discharge Drive Shaft Assembly



198-10-2 Discharge Drive Shaft Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2	20095001- KIT-1700 194-231K 195-208K	
2	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal	2	11001- 20095001- KIT-1700 194-231K 195-208K	
3	110-911	Shaft, Discharge Drive	1	11001-	
4	193-806	Mount motor	1	19301- 20095001- 30095001- 194-806K KIT-0007	
5	193-806C	Motor Guard	1	19301-	
6	193-915	Stop, Discharge Motor	1	19301-	
7	HM-204-CH	Char-Lvn Hydraulic Motor	1		
8	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1	19101- 20096001- 30095001- 62396001-	
9	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
10	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	2		
11	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	2	11001	Sub SP-3612-20-4
12	EL-1201	Halogen Lights	1	19201	
13	DC-1176	Decal, Danger-Hand Chain Sprockets	1		
101	BL-6-100-H	3/8 UNC X 1 HH C/S BOLT GR5 ZINC	4		
102	BL-6-LW	3/8 SPLIT LW ZC	4	193-729K 194-806K	
103	BL-6-FW-8	3/8 FLAT WASHER G8 ZC	6		
104	BL-6-125-H	3/8-16 X 1 1/4 HHCS G5 ZC	7	193-729K 194-231K	
105	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	7		
106	BL-6-SW	3/8 SAE FW ZC	12		
108	BL-4-500-H	1/4-20 X 5 HEX CAP G5 ZC	1		
109	BL-4-FW-8	1/4" Flat Washer Grade 8	2		
110	BL-4-LN	1/4-20 HEX LN NE ZC	1		
111	BL-5-100-SF	5/16-24 x 1 Socket Head Cap Screw	4		

198-10-3 Inner Discharge Assembly

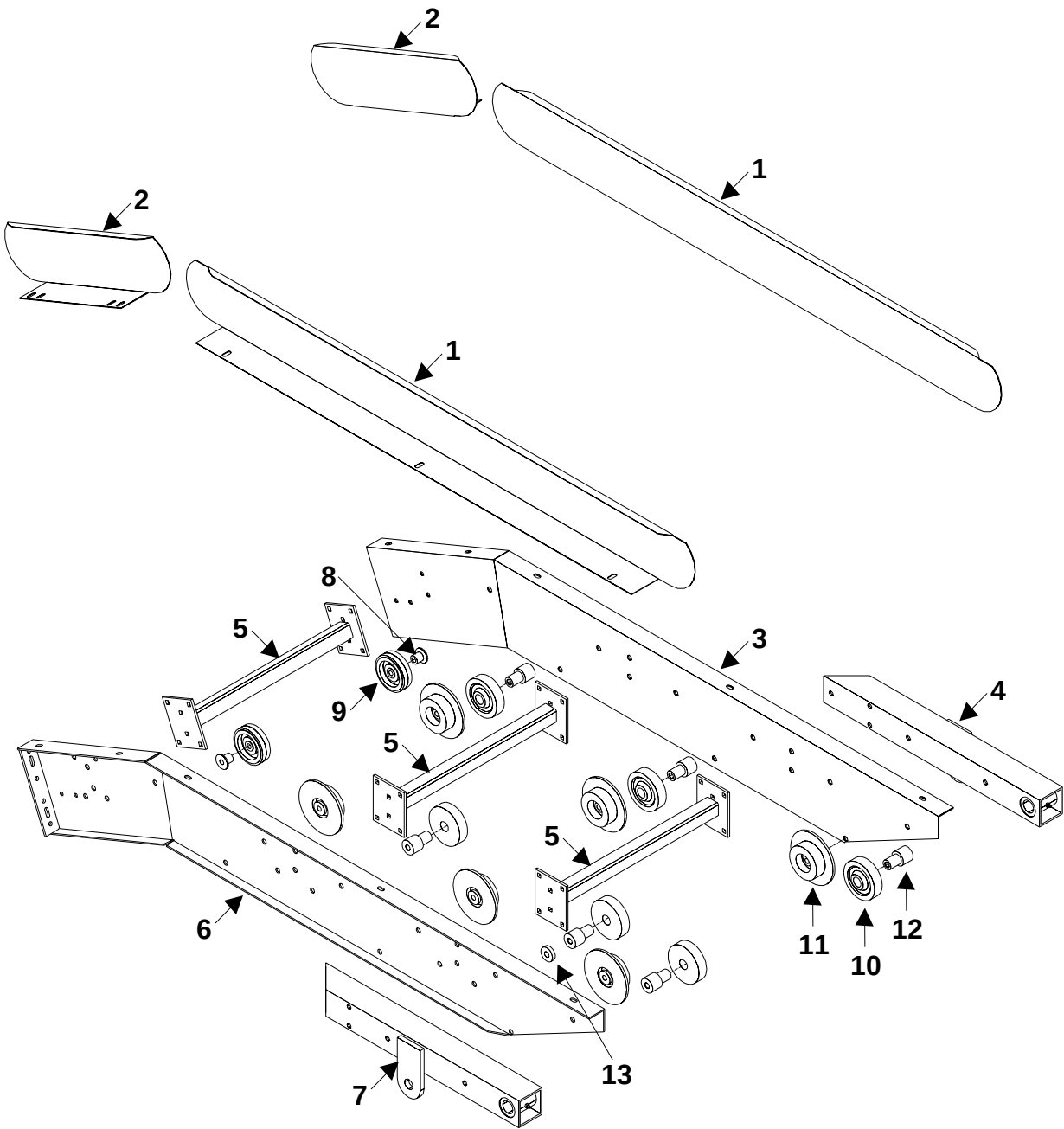


NOTE: ROLLERS ARE THE SAME ON OTHER SIDE OF DISCHARGE FRAME

198-10-3 Inner Discharge Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	BC-6-20-ST	3/8" x 20" Belted Chain Rod (Straight)	0	11001	
1	TRP-938	Discharge Tarp	1	19101-	
2	194-938A	Tarp Support	1	19401-	
3	191-907	Shield, extention lower level	2		Same Front and Back
4	194-901	Frame, Discharge Elevator	1	19201	
5	RLA-000-118	Standoff, 1/2" X 1 1/8"	2	11001	
6	RLR-040-108	Roller 4" Flat (Tire)	4	11001- 20095001- 30095001-	
7	RLA-000-028	Washer/Spacer	0	11001- 194-161K	
8	BL-16-JN	1 UNC FIN HEX JAM NUT A563 GrA ZINC	2		
9	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	9	19101-	
10	RLG-040-1016	4" Urethane (Red)	9		
11	RLT-535-128	Narrow Flange Roller 1.2 WF 3.5 dia, 1/2" Bore	6		
12	192-907P	Discharge Stabilizer Pin	1	19201	
13	HC-1130B	Hair Pin Clip	1	19201- 30095001-	
14	BC-6-2036-307	Discharge chain with flights (3/8 bars 20in wide 307 li	1	19101	
16	193-919	Transport bar	1	19301-	
17	BC-1032-FS	10-32 x 1 1/4" bolts Flat Socket Head	12	11001	For Clip Splice Option Sub 191-694
18	BC-F-36-20	F Connecting Clips 36-20 @ pair	2		For Clip Splice Option
19	BC-1032-LN	10-32 lock nuts	12		
20	BC-6-20-CN	Connecting Rod, 20" x 10mm	1	11101	
21	BC-3525	Grip Clip	2		

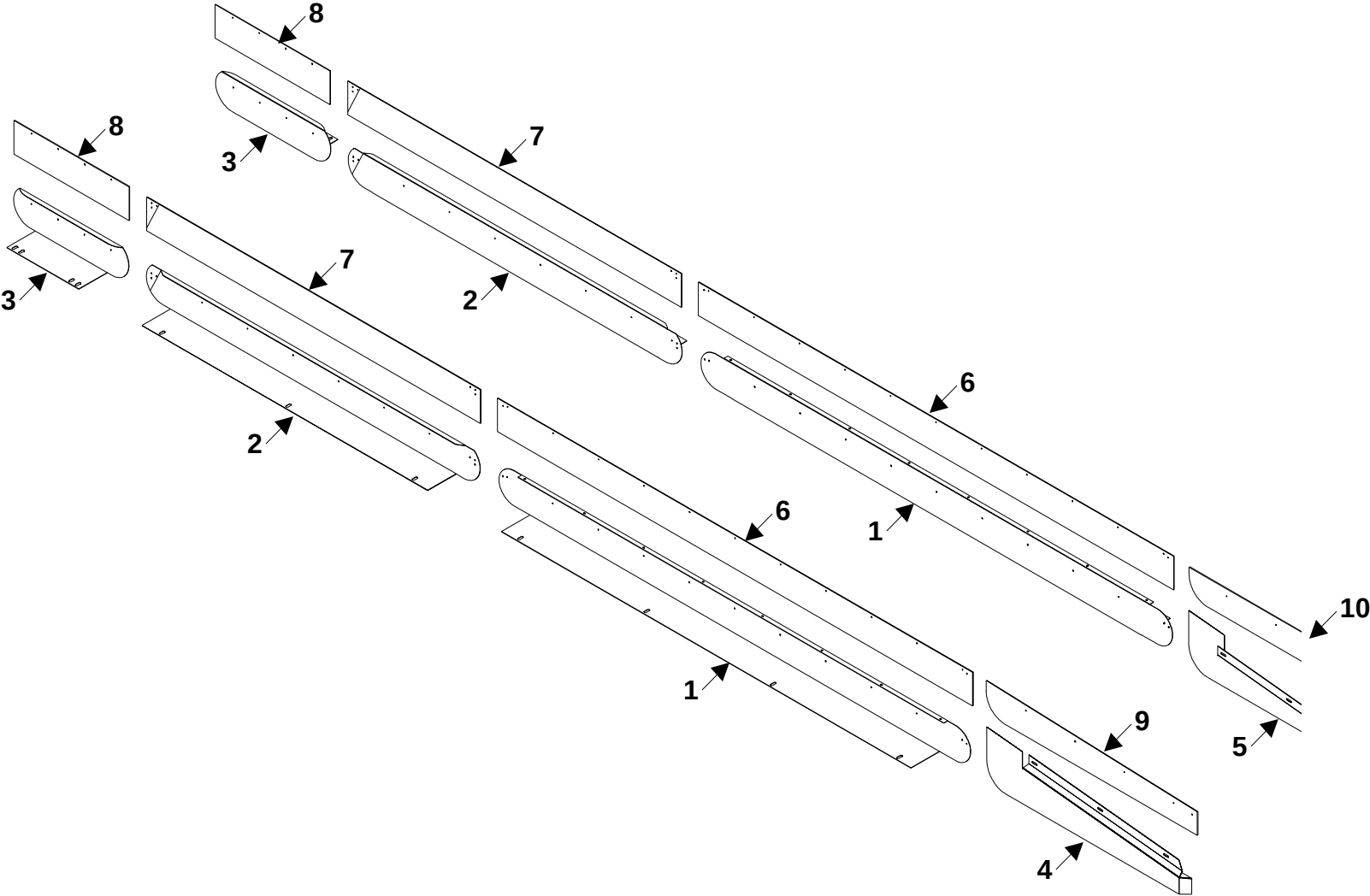
198-10-4 Outer Discharge Assembly



198-10-4 Outer Discharge Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	191-909	Mid Elevator Extention	2		Same Front and Back
2	191-910	Top extention. Discharge	2	19101	
3	195-9024	Outer Discharge Elevator Frame (rear)	1		
4	192-906	Cylinder mount, rear	1	19201-192-900K	
5	BAR-9026	Bar, Cross Member, Discharge (Tomato)	3	19201-192-900K	Replaces BAR-9025
6	195-9023	Outer Discharge Elevator Frame (front)	1	19501-	
7	192-905	Cylinder Mount, Front Discharge	1	19201-	
8	RLA-000-118	Standoff, 1/2" X 1 1/8"	2	11001	
9	RLR-040-108	Roller 4" Flat (Tire)	2	11001-20095001-30095001-	
10	RLG-040-1016	4" Urethane (Red)	6		
11	RLT-535-128	Narrow Flange Roller 1.2 WF 3.5 dia, 1/2" Bore	6		
12	RLA-010-0108	Spindle / Standoff for Urethane Roller (heat treated)	6	19101-	
13	RLA-000-028	Washer/Spacer	6	11001-194-161K	

198-10-5 Discharge Slides (Narrow Belting)



198-10-5 Discharge,Sides (Narrow, Belting)

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	RI-3-66-P	Pop Rivets 3/16 x 1/2 Domed, .625 head , ea.	100		
1	SID-907	Side, Extension, Lower, Front & Rear, Discharge (Tomato)	2	19201-	
2	SID-909	Side, Extension, Top Middle, Discharge (Tomato)	2	19201-	
3	SID-910	Side, Extension, Top Outer, Discharge (Tomato)	2	19201-	
4	SID-936	Side, Discharge Guard, Front (Tomato)	1	19201-	
5	SID-937	Side, Discharge Guard, Rear (Tomato)	1	19201-	
6	BT-907	Belting, Extensions, Top Intern	2	19201-	
7	BT-909	Belting, Extensions, Top Intern	2	19201-	
8	BT-910	Belting, Extensions, Top Outer	2	19201-	
9	BT-936	Belting, Extensions, Front	1	19201-	
10	BT-937	Belting, Extensions, Rear	1	19201-	
11	BC-6-2036-307-SF	Discharge Chain With Short Flites (3/8" Bars x 20" Widex307)	1		

198-11-1 Hydraulic Schematic

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	BAR-2011	Bar, Security Copper Wire Seal	4	30096001-19601-	
0	H-T20	Hyd Tube #2 Front 1" dia.	1	19401-	
0	H-T21	Hyd Tube #2 Main 1" dia	1	19401	
0	H-T30	Hyd Tube #3 Front 3/4" dia	1	19401-	
0	H-T31	Hyd Tube #3 Main 3/4"	1	19401	
0	H-T40	Hyd Tube #4 Front 3/4" dia	1	19401-	
0	H-T41	Hyd Tube #4 Main 3/4" dia	1	19401-	
0	H-T44	Hyd Tube Header Tube	2	19401-	
0	H-T50	Hyd Tube #5 Front 1" dia	1	19401-	
0	H-T51	Hyd Tube, #5 Main 1" dia	1	19401-	
0	H10-12-8MP-12MJ	5/8 in hose 1/2MP X 3/4MJIC 12 in long	2		
0	H10-125-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 125" long	1		
0	H10-20-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 20 long	1		
0	H10-24-8MP-12MJ	5/8 in hose 1/2MP x 3/4MJIC x 24 in long	1		
0	H10-24-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 24 in long	1		
0	H10-280-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 280" long	2		
0	H10-30-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 30 in long	2		
0	H10-36-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 36 in long	3		
0	H10-45-8MP-12MJ	5/8 in hose 1/2MP x 3/4MJIC x 45 in long	2		
0	H10-48-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 48 in long	1		
0	H10-56-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 56 in long	2		
0	H10-64-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 64 in long	2		
0	H10-66-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 66 in long	1		
0	H10-75-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 75 in long	1		
0	H10-80-8MP-12MJ	5/8 in hose 1/2MP x 3/4MJIC x 80 in long	1		
0	H10-82-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 82 in long	1		
0	H10-94-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 94 in long	5		

SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	H12-114-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 114 in hose	1		
0	H12-22-12MP-16MJ	3/4 in hose 3/4MP-1MJIC x 22 in long	1		
0	H12-24-12MP-16MJ	3/4 in hose 3/4MP x 1MJIC x 24 in long	1		
0	H12-30-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 30 in long	1		
0	H12-36-12MP-8MP	3/4 in hose 3/4MP x 1/2MP x 36 in long	2		
0	H12-39-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 39 in long	1		
0	H12-50-12MP-16MJ	3/4 in hose 3/4MP x 1MJIC x 50 in long	3		
0	H12-50-8MP-16MJ	3/4 in hose 1/2MP x 1MJIC x 50 in long	1		
0	H12-55-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 55 in long	1		
0	H12-55-12MP-8MP	3/4 in hose 3/4MP x 1/2MP x 55 in long	1		
0	H12-62-12MP-16MJ	3/4 in hose 3/4MP x 1MJIC x 62 in long	1		
0	H12-76-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 76 in long	1		
0	H12-80-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 80 in long	1		
0	H12-82-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 82 in long	1		
0	H12-82-12MP-8MP	3/4 in hose 3/4MP x 1/2MP x 82 in long	1		
0	H12-94-12MP-16MJ	3/4 in hose 3/4MP x 1MJIC x 94 in long	1		
0	H24-180	1 1/2" Return hose 180"	1		
0	H32-695-32MP-32FL4	2" Suction Hose 69.5" 32MP x 32 45 Flange	1		
0	H32-78-32MP-32FL9	2" Suction Hose 78" 32MP x 32 90 Flange	1		
0	H6-PL-136	3/8" Push Loc Hose 136" (primary shaker)	1		
0	H6-PL-186	3/8" Push Loc Hose 186" (Debris Fan)	1		
0	H6-PL-198	3/8" Push Loc Hose 198" (Secondary Shaker)	1		
0	H6-PL-228	3/8" Push Loc Hose 228" (Cooling Fan)	1		
0	H6-PL-40	3/8" Push Loc Hose 40" (Vibrator)	1		
0	H8-16-8MP-12MP	1/2 in hose 1/2MP x 3/4MP x 16 in long	2		

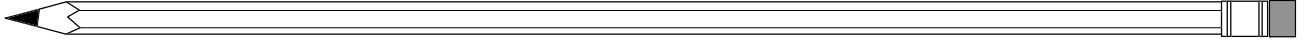
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	H8-16-8MP-8MP	1/2 in hose 1/2MP x 1/2MP x 16 in long	1		
0	H8-24-8MP-8MP	1/2 in hose 1/2MPx 1/2MP x 24 in long	1		
0	HA-2011	Copper Wire Security Seals	4		
0	HV-1975	Cartridge Relief Valve	1		
0	HV-1975B	Body For HV-1975	1		
0	HV-900A	Electronic Valve (Discharge conveyor)	1		
0	HV-FL16	Flow control valve 16GPM	2		Replace with 192-1040
0	HV-FL30	Flow Control Valve 30GPM	9	20095001-	
0	HV-FL30-R	Hydraulic Flo Control Valve with Relief 30GPM	1		
0	HV-RV-2H	3/4 in relief valve	2		
0	HV-RV-4H	1/2 " Relief Valve	2		
1	A-6901-12-12-4SAE	12 SAE x 3/4" FPX 90	2		
2	A-6901-10-8-4SAE	10 SAE x 1/2 FPX90 W1/4" Port	2		
3	A-2404-16-12	1" MJIC X 3/4" MP	4		
4	A-2404-12-8	3/4" MJIC X 1/2" MP	2		
5	A-1501-8-8	1/2 MP x 1/2 FPX90	7		
6	A-6401-10-8	10 SAE x 1/2 MPT Male	18	20095001-	
7	A-1603-8-8-8	Swivel T 1/2" NPTF	13	20095001-	
8	A-6901-10-8	10 SAE x 1/2 FPX90	14	20095001-HV-1045K	
9	A-6806-10-8	10 SAE x 1/2" MP 90	2		
10	A-6902-10-8	10 SAE X 1/2" FPX 45	6	20095001-	
11	A-6900-10-8	10 SAE x 1/2 FPX	10	20095001-	
12	A-6901-12-8	12 SAE x 1/2" FPX 90	4		
13	A-6901-10-12	10 SAE x 3/4 FPX90	11	HV-1045K	
14	A-6900-10-12	10 SAE x 3/4 FPX	5		
15	A-1501-12-12	3/4MP x 3/4 FPX 90	2		
16	A-6901-12-12	12 SAE x 3/4" FPX 90	6		
17	ASL-24	1 1/2 ST ELL	1		
18	AB-32-24	2 x 1 1/2Bushing	1		
19	A-ST-20	1 1/2 NPT to 1 1/2 Hose Barb Adapter	2		
20	AT-24-24-12	1 1/2 x 1 1/2 x 3/4 Black Tee	1		
21	A-5404-8-8	Hex Nipple 1/2" x 1/2"	2		
22	AN-24-CL	1 1/2" Black (Nipple Close)	1		

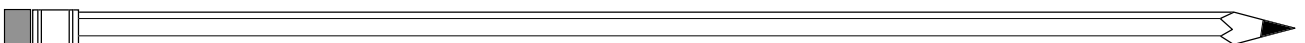
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
23	A-4124-6-6	3/8 Male Pipe x 3/8 Push Loc	5		
24	A-4124-6-4	1/4 Male Pipe x 3/8 Push Loc	5	HV-1045K	
25	ASL-4	1/4" Black Street Elbow	2		
26	A-1404-8-8	1/2 MP to 1/2 FPX	4		
27	HA-1004-4	Test Point Plug #4 SAE Thread	4		
28	HA-1005-T	Test Point Probe	1		
29	HA-1004-G	Hydraulic, Pressure Gauge w/1/4 NPT Stem	1		
30	CL-200	T Bar Hose Clamp 2" for 1 1/2" Return Hose	2		
31	A-1503-8-8	1/2" MP X 1/2" FPX45	2		

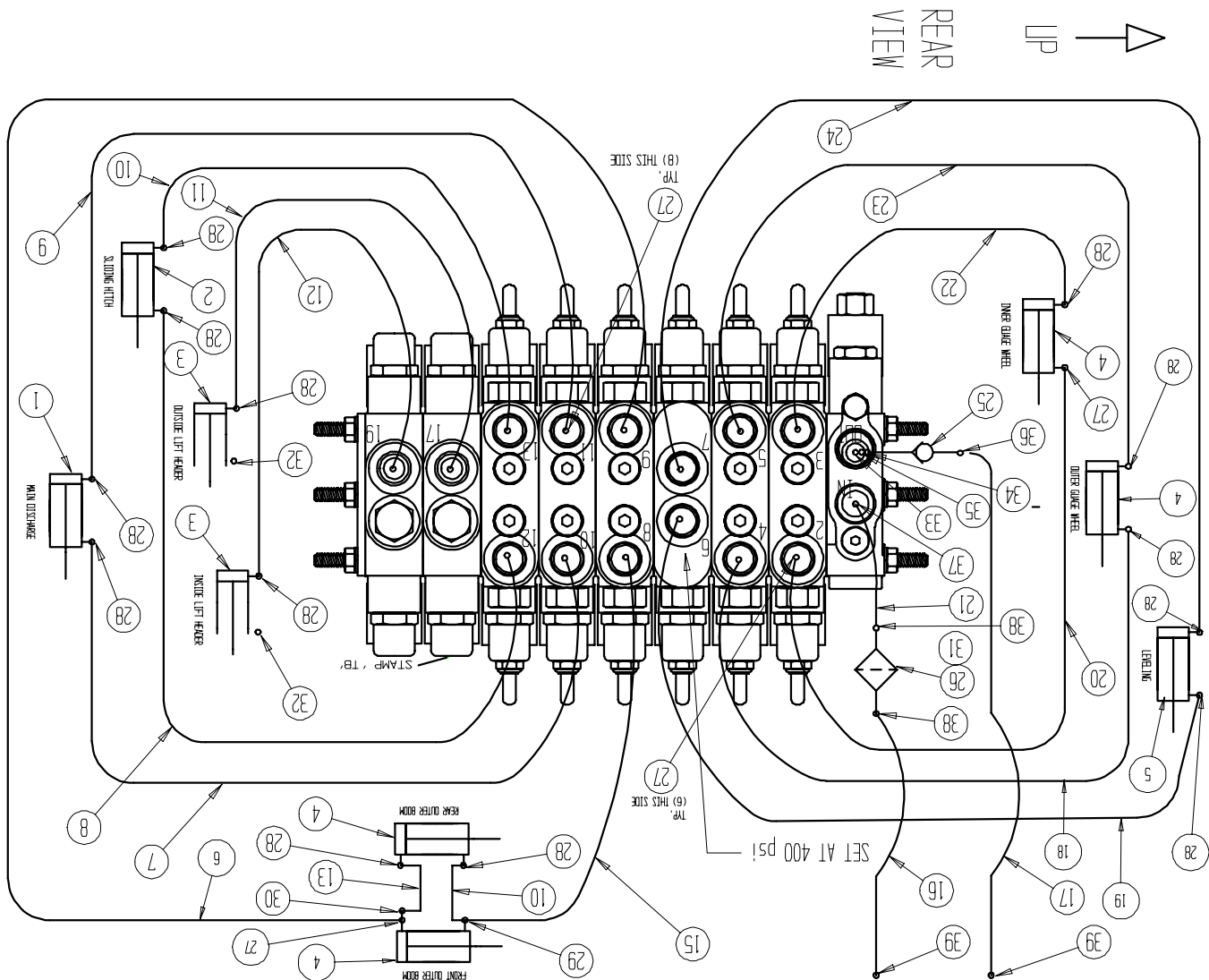
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



198-11-2 Hydraulic Cylinder Plumbing



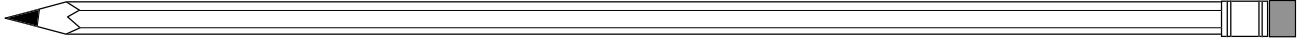
198-11-2 Hydraulic Cylinder Plumbing

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	HV-CKV-800S	1/2" Parker Check Valve	1		
0	HVE-1076	Control Valve for Tomato Harvester w/ relief	1		
1	HC-250-3008	Hydraulic cylinder 2 1/2" x 30" #8 SAE Ports	1	11001-	
2	HC-200-0808	Hydraulic Cylinder 2" x 8" #8 SAE Ports	1	19201-20095001-	Same as sliding hitch
3	HC-250-2408	Hydraulic cylinder 2 1/2 x 24 #8 SAE w/ U cup seal	2		Sub 193-102
4	HC-200-2408	Hydraulic cylinder 2" x 24" #8 SAE Ports	4	19201	
5	HC-350-0808	Hydraulic Cylinder 3 1/2" x 8" #8 SAE Ports	1	20095001-	
6	H4-172-6MP-6MP	1/4 in hose 3/8MP X 3/8MP x 172 in long	1		
7	H4-179-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 179 in long	1		
8	H4-60-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 60 in long	1		
9	H4-149-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 149 in long	1		
10	H4-70-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 70 in long	2		
11	H4-230-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 230 in long	1		
12	H4-203-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 203 in long	1		
13	H4-40-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 40 in long	1		
15	H4-205-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 205 in long	1		
16	H8-120-8MP-8MP	1/2 in hose 1/2MP x 1/2MP 120 in. long	1		
17	H8-108-8MP-8MP	1/2 in hose 1/2MP x 1/2MP x 108 in long	1		
18	H4-254-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 254 in long	1		
19	H4-248-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 248 in long	1		
20	H4-216-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 216 in long	1		
21	H8-42-8MP-8MP	1/2 in hose 1/2MP x 1/2MP x 42 in long	1		
22	H4-221-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 221 in long	1		
23	H4-260-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 260 in long	1		

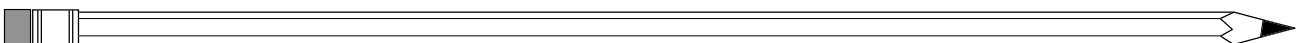
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
24	H4-240-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 240 in long	1		
26	HA-1037	Pressure Filter	1		
27	A-6900-8-6	8 SAE x 3/8" FPX	16	20095001-	
28	A-6901-8-6	8 SAE x 3/8" FPX90	11	20095001-	
29	A-6955-8-6-6	8 SAE x 3/8" FPX Tee	1		
30	A-1601-6-6-6	3/8 MP x 3/8 FPX x 3/8FPX Tee	1		
31	HA-1037A	Pressure Filter Element	1		
32	HC-08-V	Hydraulic cylinder vents	2	11001-	
33	A-6900-10-8	10 SAE x 1/2 FPX	1	20095001-	
34	A-5404-8-8	Hex Nipple 1/2" x 1/2"	1		
35	A-1501-8-8	1/2 MP x 1/2 FPX90	1		
36	A-1404-8-8	1/2 MP to 1/2 FPX	1		
37	A-6901-10-8	10 SAE x 1/2 FPX90	1	20095001-HV-1045K	
38	A-6901-12-8	12 SAE x 1/2" FPX 90	2		
39	A-QD2010-8-8	Tractor Quick Couplers,1/2"	2		

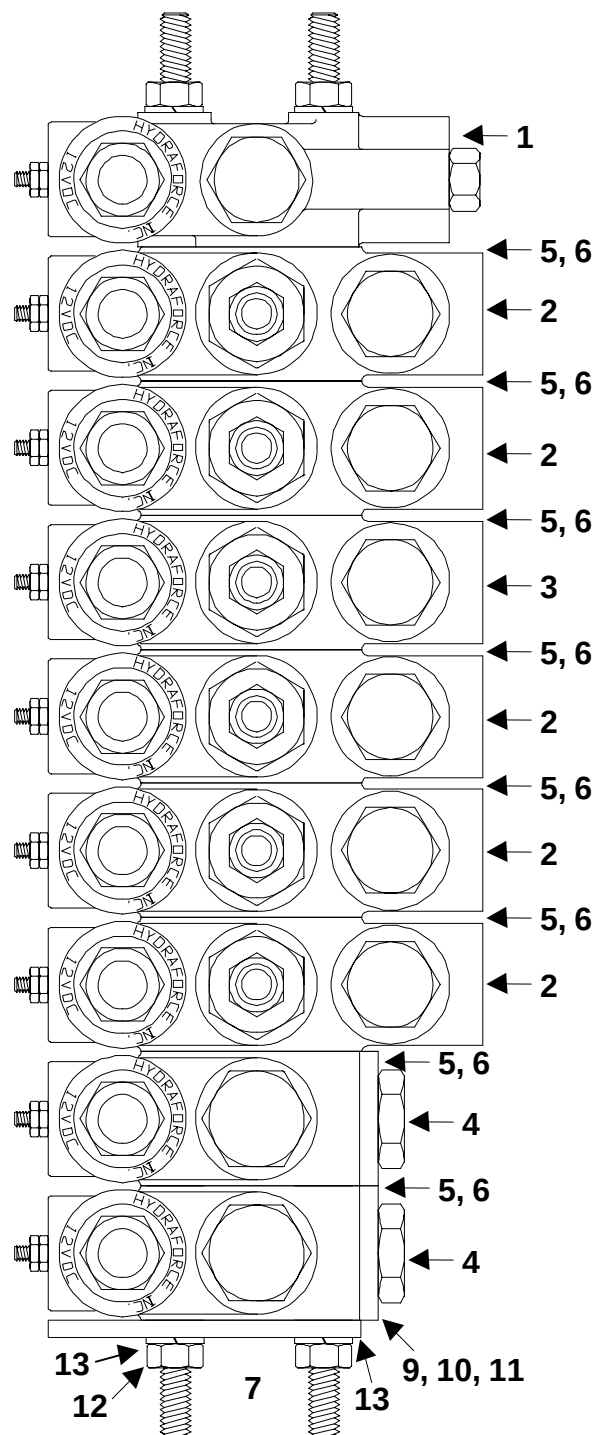
NOTES



A large, empty rectangular box with a thin black border, intended for writing notes.



198-11-3 Electrohydraulic Valve Assembly



CAUTION

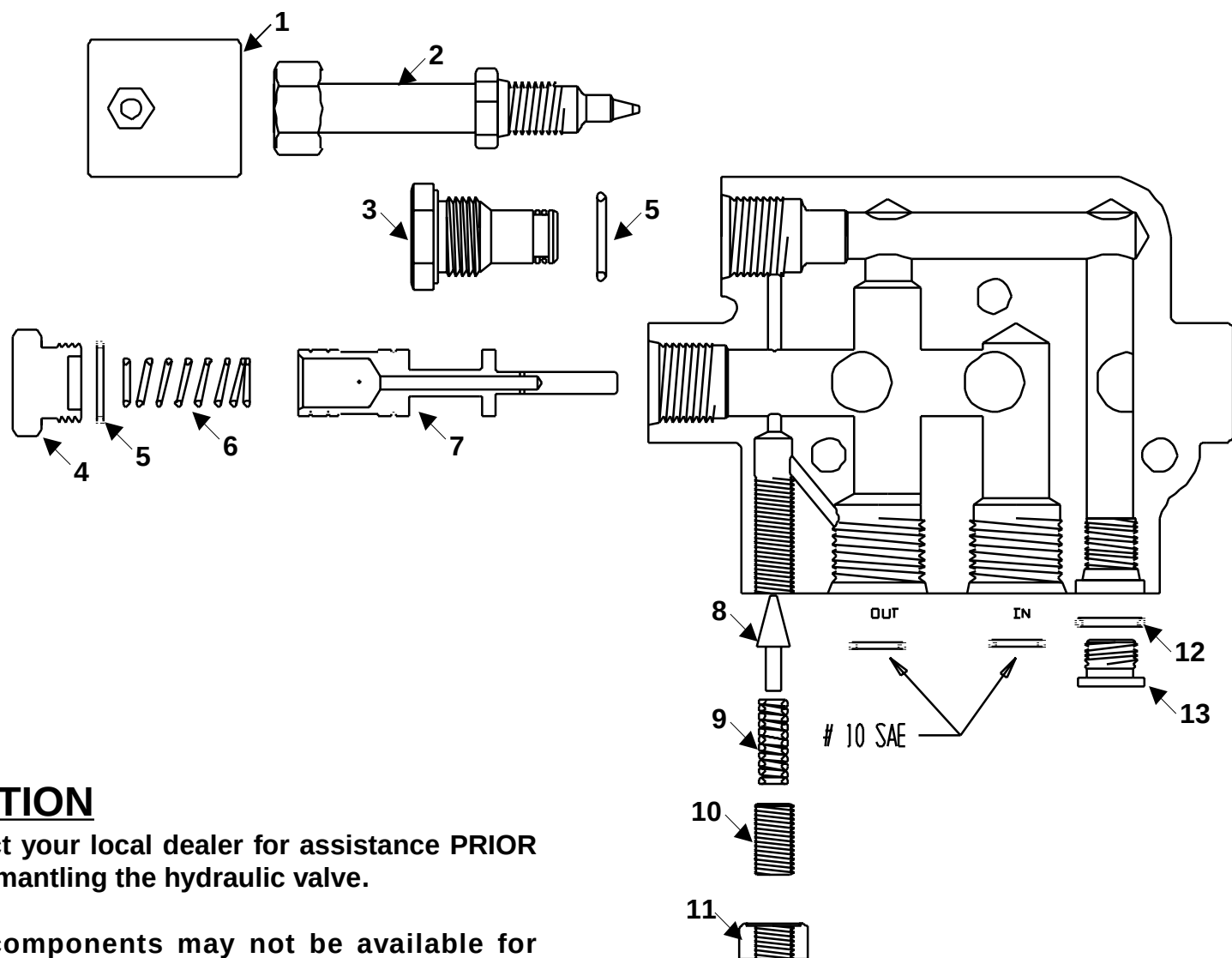
Contact your local dealer for assistance **PRIOR TO** dismantling the hydraulic valve.

* All components may not be available for individual sale.

198-11-3 Electrohydraulic Valve Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HVE-1036C	Unloaded Inlet Section	1		
2	HVE-1036BL	Brand Valve Section with Locks	5		
3	HVE-1046-RL	Valve Section With Relief on Port B	1		
4	HVE-1037N	Series 36 Floating Section w/no wire	2		
5	HVE-1036S	Shim (Between Sections)	24		
6	A-OR-8	O Ring for #8 Adapter	24		
7	HVE-1037M	Tie Rod Kit for Tomato Harvester	1		
8	HVE-1046Z	End Plate, Valve Stack	1		
9	HVE-1037P	Plug, End of Stack	3		
10	HVE-1037Q	Backup Spacer for O-Ring	3		
11	HVE-1037H	O Ring	3		
12	BL-5-N	5/16 UNF FIN HEX NUT A563 GrA ZINC	6	TRP-1145K	
13	BL-5-LW	5/16 SPLIT LW ZC	6		

198-11-4 Elect./Hyd. Valve Section, Unloading Inlet

**CAUTION**

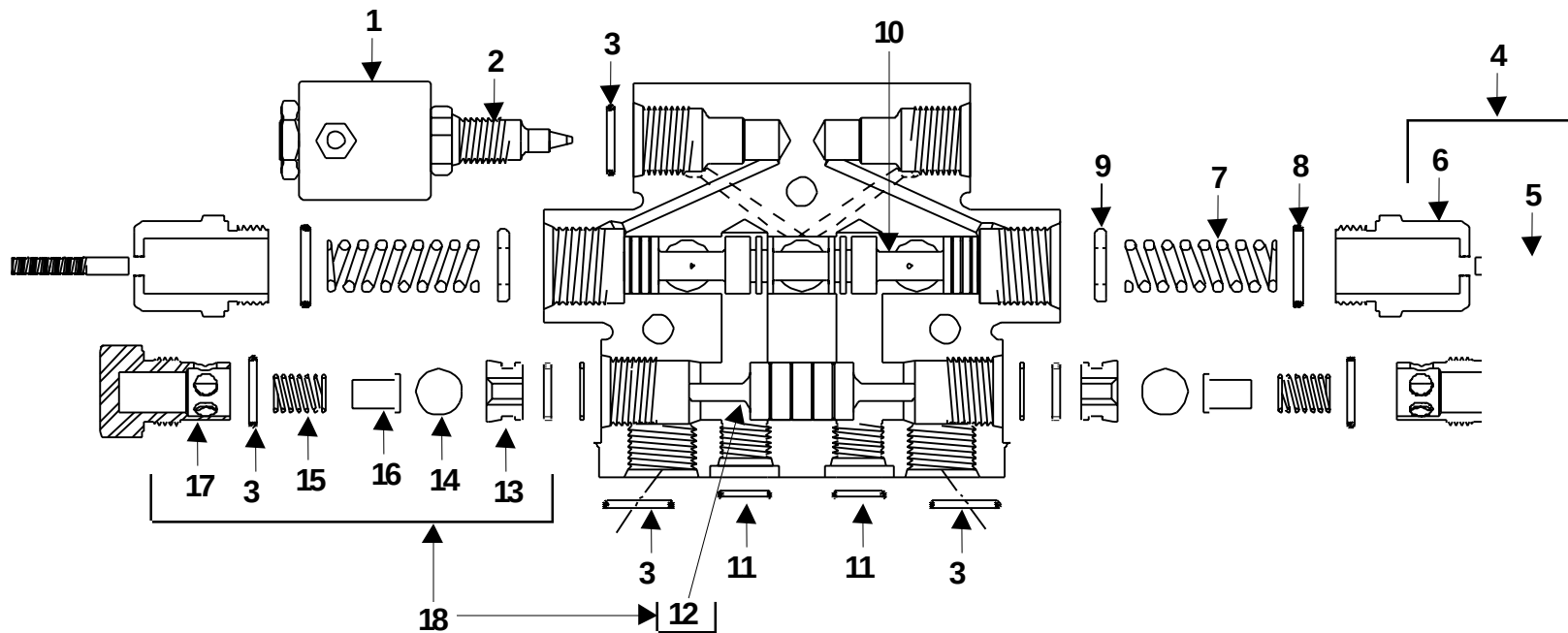
Contact your local dealer for assistance **PRIOR** TO dismantling the hydraulic valve.

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198-11-4 Elect./Hyd. Valve Section, Unloading Inlet

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HVE-1036P	Coil	1		
2	HVE-1036N	Unloading Section Cartridge	1		
3	HVE-1036D	Closed Center Plug	1		
4	HVE-1037D	Unloading Cap	1		
5	A-OR-8	O Ring for #8 Adapter	2		
6	HVE-1037B	Unloading Spring	1		
7	HVE-1037C	Unloading Spool	1		
8	HVE-1037A	Relief Poppet	1		
9	HVE-1036K	Relief Spring (Bare Metal-no color)	1		
10	HVE-1037E	Adjusting Screw	1		
11	HVE-1037Y	Nut, Nylon Insert, Sealing	1		Replaces HVE-1037F
12	HVE-1037J	O Ring	1		
13	HVE-1037V	Plug, O-Ring	1		

198-11-5 Elect./Hyd. Valve Section, with Locks



CAUTION

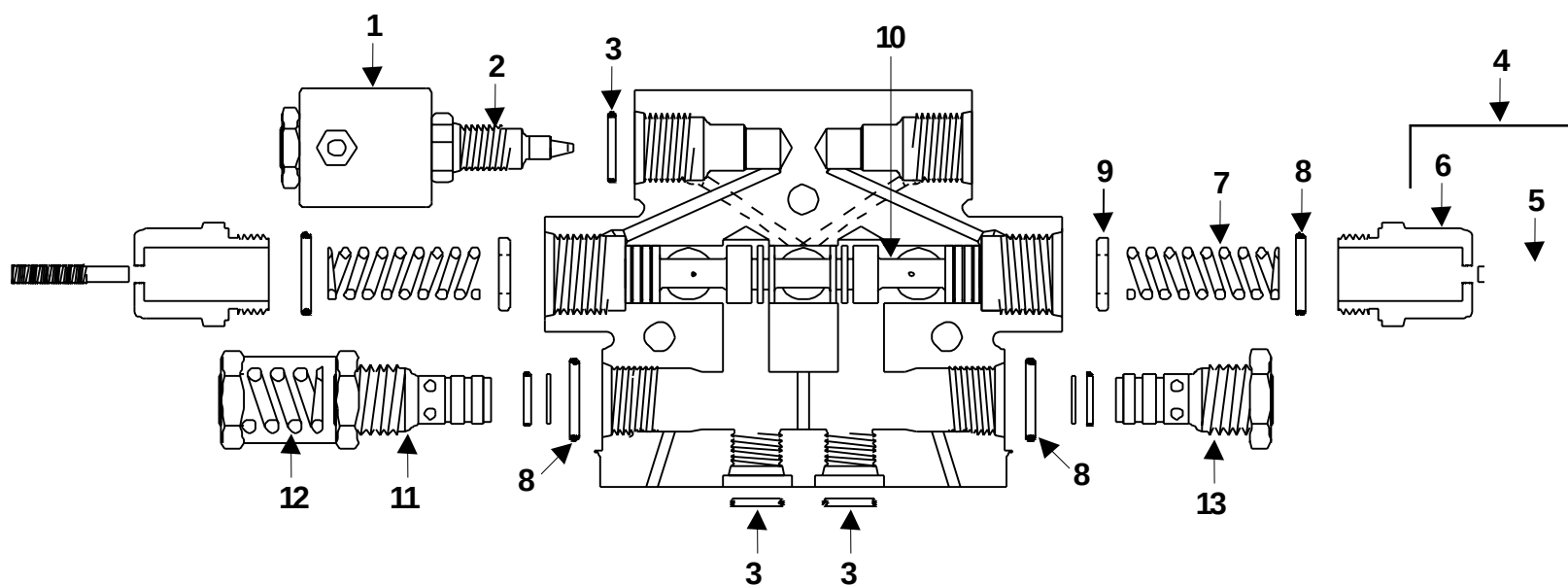
Contact your local dealer for assistance PRIOR TO dismantling the hydraulic valve.

* All components may not be available for individual sale.

198-11-5 Elect./Hyd. Valve Section, with Locks

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HVE-1036P	Coil	2		
2	HVE-1036M	Work Section Cartridge	2		
3	A-OR-8	O Ring for #8 Adapter	4		
4	HVE-1036R	Manual Override Kit for Brand 36 Valve	2		
5	BL-5-250-SS	5/16-24 x 2 1/2" Set Screw, Cup Point	2		
6	HVE-1036WT	End Cap, Threaded for Manual Override	2		
7	HVE-1036Y	Spool Spring for End Cap	2		
8	A-OR-10	O Ring for #10 Adapter	2		
9	HVE-1046V	End spacer	2		
10	HVE-1036Z	Spool, Double-Lock Section	1		
11	A-OR-6	O Ring for #6 Adapter	2		
12	HVE-1046P	Lock Spool	1		
13	HVE-1046U	Seat, Steel [hard steel, not Heat Treated]	2		
14	HVE-1046R	Ball	2		
15	HVE-1046S	Spring	2		
16	HVE-1046O	Spring Plunger	2		
17	HVE-1046W	End Cap, Double Lock Spring Retainer	2		
18	HVE-1037KS	Double Lock Rebuild Kit w/Steel Seats	1		

198-11-6 Elect./Hyd. Valve Section with Relief

**CAUTION**

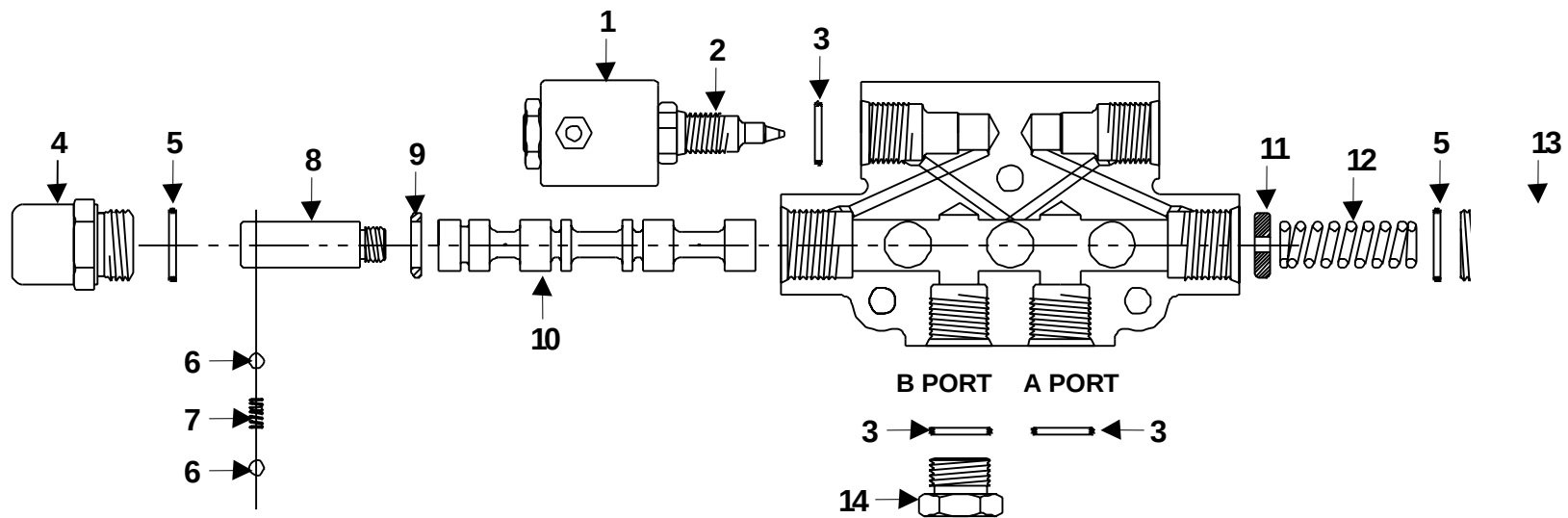
Contact your local dealer for assistance **PRIOR TO** dismantling the hydraulic valve.

* All components may not be available for individual sale.

198-11-6 Elect./Hyd. Valve Section,w/ Relief

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HVE-1036P	Coil	2		
2	HVE-1036M	Work Section Cartridge	2		
3	A-OR-8	O Ring for #8 Adapter	4		
4	HVE-1036R	Manual Override Kit for Brand 36 Valve	2		
5	BL-5-250-SS	5/16-24 x 2 1/2" Set Screw, Cup Point	2		
6	HVE-1036WT	End Cap, Threaded for Manual Override	2		
7	HVE-1036Y	Spool Spring for End Cap	2		
8	A-OR-10	O Ring for #10 Adapter	4		
9	HVE-1046V	End spacer	2		
10	HVE-1046E	Spool,	1		
11	HVE-1046K	Cartridge, Relief	1		
12	HVE-1056S	Spring for Relief Valve on port B (Bare Metal)	1		
13	HVE-1046L	Plug, Relief Section	1		

198-11-7 Elect./Hyd. Valve Section, Float with Detent

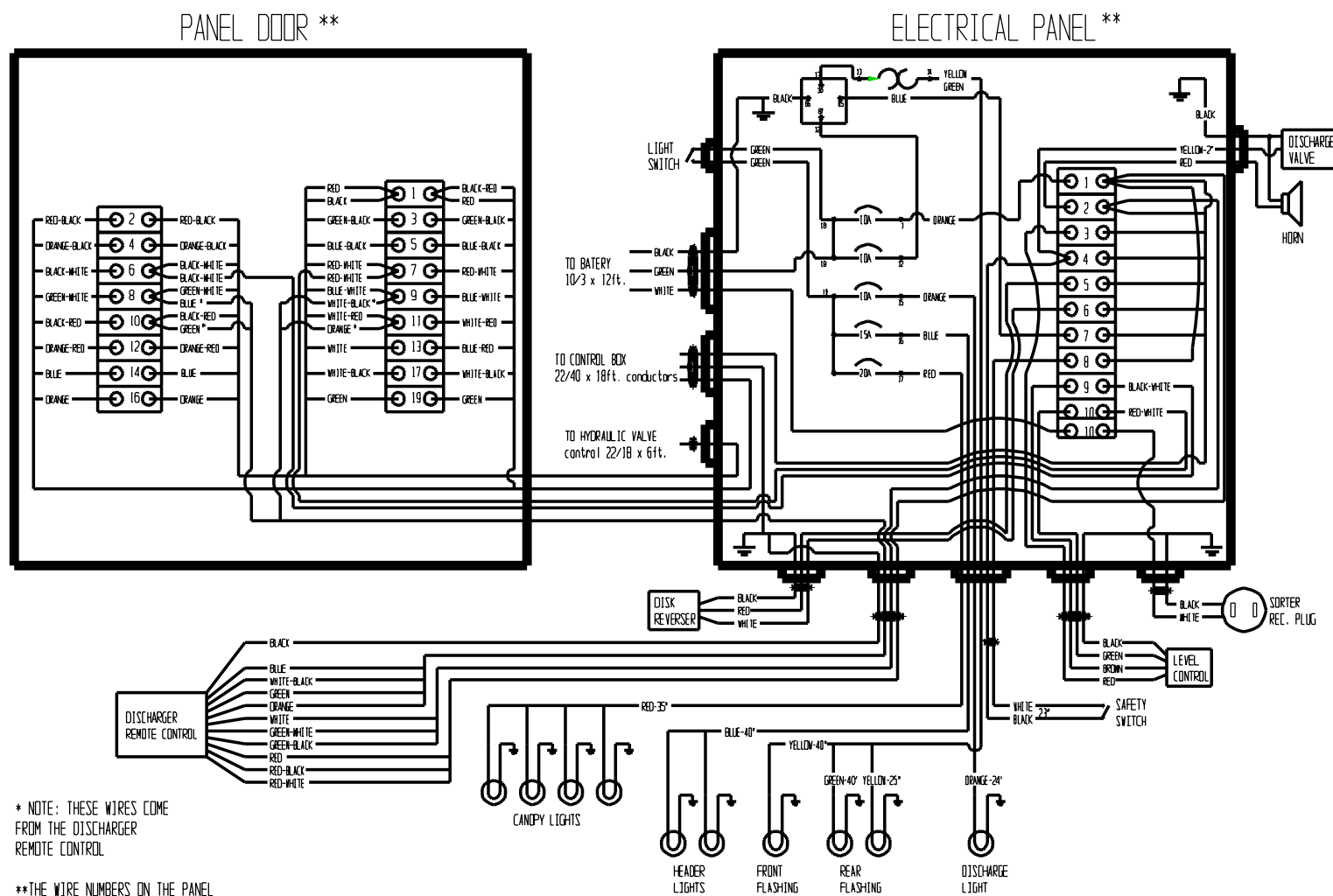
**CAUTION**

Contact your local dealer for assistance PRIOR TO dismantling the hydraulic valve.

* All components may not be available for individual sale.

198-11-7 Elect./Hyd. Valve Section, Float w/Detent

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	HVE-1036P	Coil	2		
2	HVE-1036M	Work Section Cartridge	2		
3	A-OR-8	O Ring for #8 Adapter	4		
4	HVE-1036T	Detented End Cap (2 inside grooves)"TB"	1		
5	A-OR-10	O Ring for #10 Adapter	2		
6	HVE-1036V	Detent Ball for HVE-1037N	2		
7	HVE-1036U	Detent Spring, HVE-1037N	1		
8	HVE-1046J	Detent Ball Housing for 36BFXD	1		
9	HVE-1046N	Detent End Spacer for Detent Section	1		
10	HVE-1036E	Valve Spool	1		
11	HVE-1046M	End Spacer for Detent Section	1		
12	HVE-1036Y	Spool Spring for End Cap	1		
13	HVE-1036W	End Cap	1		
14	HVE-1046D	Plug, for # 8 SAE O-Ring	1		



* NOTE: THESE WIRES COME FROM THE DISCHARGER REMOTE CONTROL

**THE WIRE NUMBERS ON THE PANEL DOOR REPRESENT NUMBERS ON HYDRAULIC VALVE AND ARE INDEPENDENT OF PANEL BOX WIRE NUMBERS

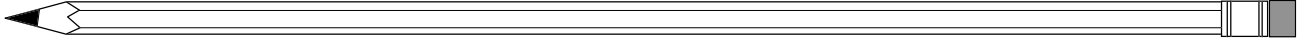
198-12-1 Electrical Schematic,1998, Tomato

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	EL-0005	Wire, Jumper, 4", 22ga, #8 evelets	2		
0	EL-100	Lock Nut for Electrical Connectors 3/8"	6		
0	EL-101	Lock Nut for Electrical Connectors 1/2"	2		
0	EL-102	Lock Nut for Electrical Connectors 3/4"	1		
0	EL-1252	Power Cable (Machine end only)	1		
0	EL-1323	Socket For AMP Plug	40		
0	EL-14D0	Switch Boot	1		
0	EL-61381	AMP Cable clamp (37)	1		
0	EL-61501	AMP Plug 37 position	1		
0	EL-61511	AMP Receptacle 37 position	1		
0	EL-64033	Weather Seal (37)	1		
0	EL-73980	Light Relay, (with mounting bracket), 12 DCV, 20/30 Amp	1	19701-	
0	ELA-212	3/4" Heat Shrink @ ft	0.3		
0	ELB-10	Breaker 10 AMP	3		
0	ELB-15	Breaker 15 AMP	1		
0	ELB-20	Breaker, 20 amp	1		Replaces 191-1210
0	ELB-46466	Circuit Breaker Mounting Bracket (6 stack)	1		
0	ELB-46562	Circuit Breaker Buss Bar (2 Stack)	1		
0	ELB-46563	Circuit Breaker Bus Bar (3 Stack)	1		
0	ELC-12-R	12 Gauge Automotive Wire (Red)	45		
0	ELC-14-BL	14 Gauge Wire (Blue)	40		
0	ELC-16-G	16 Gauge Wire (Green)	40		
0	ELC-16-O	16 Gauge Wire (Orange)	24		
0	ELC-16-Y	16 Gauge Wire (Yellow)	65		
0	ELC-218	18 Gauge-2 Conductor @ Foot	23		
0	ELC-2612	1/2" Plastic Cord Connector	2		
0	ELC-2634	3/4" Plastic Cord Connector	1		
0	ELC-2638	3/8" Plastic Cord Connector	7		
0	ELC-4069	22ga x 18 Conductor Carol Cable @ft	6		

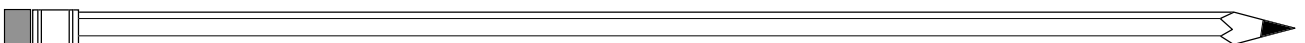
SECTION 1: PARTS

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
0	ELC-4078	22ga x 40 Conductor Carol Cable @ ft	18		
0	ELE-PCMB-1	Wire Markers	80		
0	ELS-2T	Two Position Toggle Switch (50 Amp)	1		
0	ELS-73920	Two Pin Flasher	1		
0	ELT-25054	Black Cable Clamp	45		
0	ELT-30502	Ring Terminal #8 x 18-22ga	17		
0	ELT-30511	Female Push On 18-22 ga	5		
0	ELT-30712	Push on Male 18-22	3		
0	ELT-31004	Terminal Ring, 1/4",16-14 Gauge,Blue Ins	5		
0	ELT-31712	Push On Male 14-16 ga	12	HV-1045K	
0	ELT-31713	Push On Female Terminal 14-16 ga.	13	HV-1045K	
0	ELT-31753	Spade Terminal, #6, 16-14	27		
0	ELT-31755	Spade Terminal #10 x 14-16ga	4	HV-1045K	
0	ELT-32203	Terminal Ring,1/4",12-10 Gauge,Yellow Ins.	2		
0	ELT-32572	T-Tap 12ga	5		
0	ELT-32755	Spade Connectors #10 10-12	7		
0	ELT-36016	Spade Terminal #6 x 18-22ga	36		
0	ELT-47560	Terminal Blocks, 15 Amp	28		This is 3-5 Piece Pricing
0	ELT-47571	15 AMP Terminal Strip	34		
0	ELT-9806	Adhesive Base	10		
0	WT-11	Wire Tie 11"	100		
0	WT-3	3 3/4" Wire Tie	75		
10	ELT-32704	Ring Terminal 5/16 x 10-12 ga	3		
14	ELT-52565	Ring Terminal 5/16 x 14-16ga	1	HV-1045K	
25	ELL-25-0	1/4" Wire Loom @ft	250		

NOTES



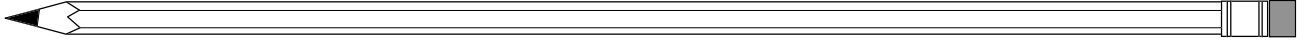
A large, empty rectangular box with a thin black border, intended for writing notes.



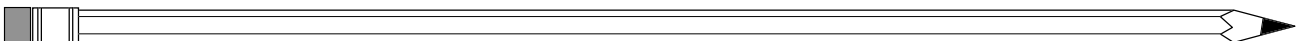
SECTION 1: PARTS

198-12-7			6/2/97
Pik Rite			
Electrohydraulic Color Codes			
1998 Tomato Harvester			
PIN #	WIRE COLOR	FUNCTION	
1,31,26	1-Black	Pos. 12 Volts DC	
	-Green, Black, Orange		
	31-White, Red, Green		
	26-Orange, Black, White		To Battery On
2,32,27	2-White	Ground	Harvester
	-Orange, Blue, White		
	32-Red, Black, Green		
	27-Blue, Black, White		
20,21,22	20-Red, Green		Discharge Shutoff
	21-Orange, Green		
	22-Black, White, Red		
24,25	24-Red, Black, White		Levelator
	25-Green, Black, White		
23	White, Black, Red		Horn
37,30,36	37-White, Blue, Red		
	30-Black, Green, White		Auto Reverse (Forward)
	36-Black, White, Orange		
34,33,29	34-Orange, Black, Green		
	33-White, Black, Green		Auto Reverse (Reverse)
	29-Red, Green, White		
35	Blue, Orange, White		Flasher
Valve			
3,28	3-Red	Unload Coil	On Valve Bank
	28-Black, Red, Green		
8	Red, Black	Up Inside	
9	Green, Black	Down Inside	Gauge Wheels
10	Orange, Black	Up Outside	
11	Blue, Black	Down Outside	
12	Black, White	Up	Level Control
13	Red, White	Down	
14	Green, White	Up Inner	
15	Blue, White	Down Inner	Discharge
16	Black, Red	Up Outer	Conveyor
17	White, Red	Down Outer	
18	Orange, Red	Right	Sliding Hitch
19	Blue, Red	Left	
4	Green	Up Outside	
5	Orange	Down Outside	Lift Cylinder
6	Blue	Up Inside	
7	White, Black	Down Inside	

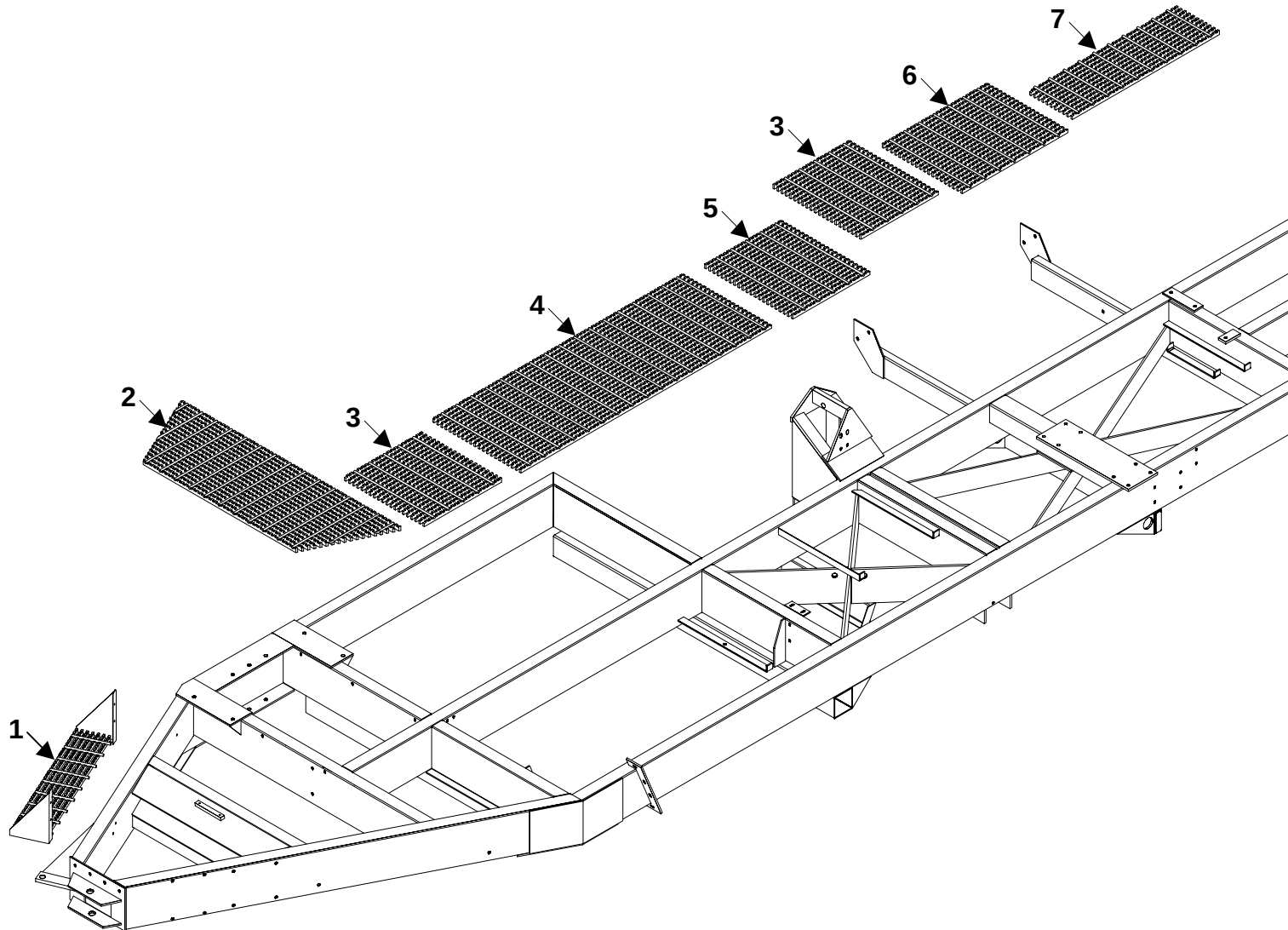
NOTES



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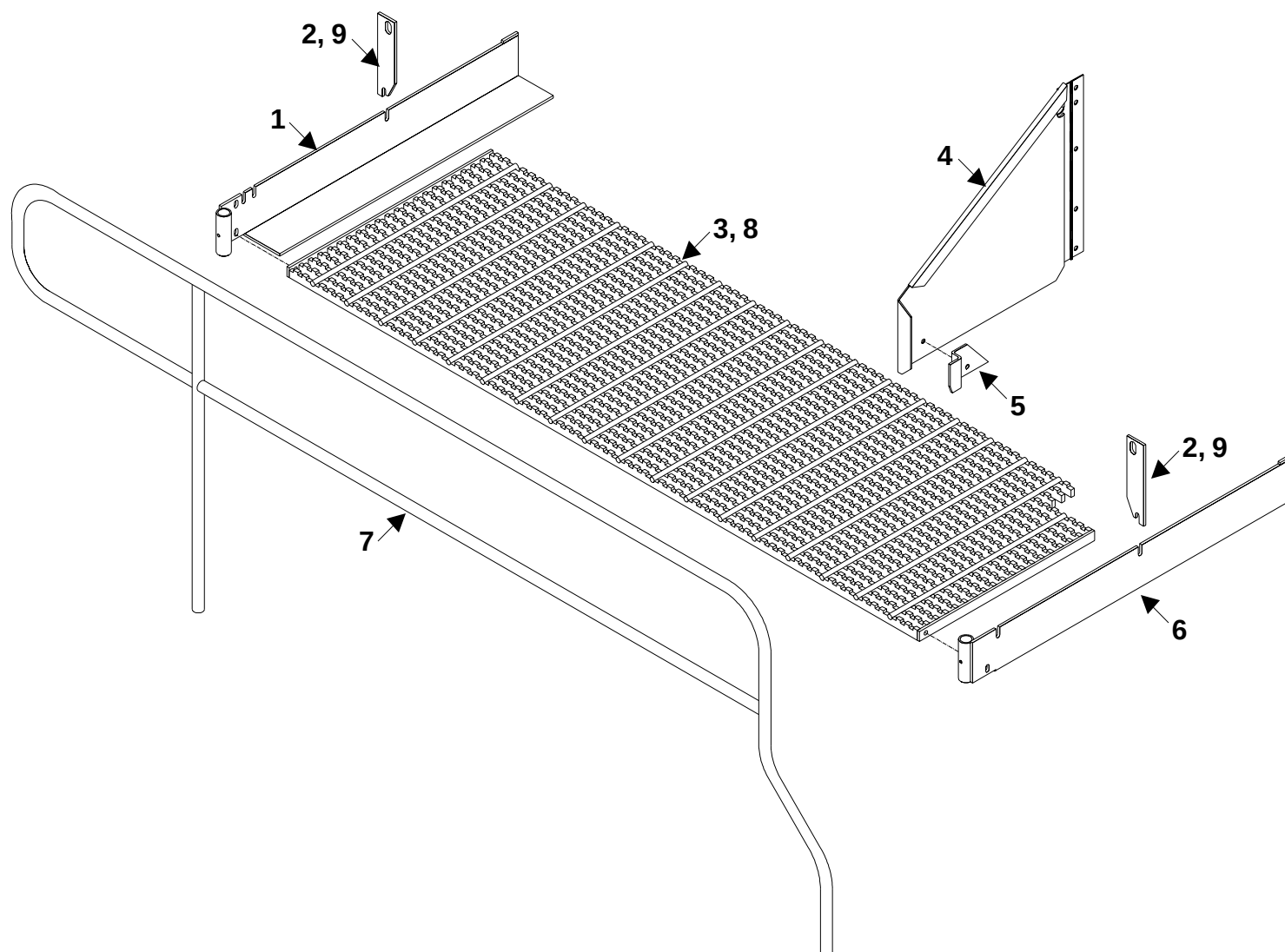
198-14-1 Inner Decking Assembly



198-14-1 Inner Decking Assembly

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	STD-1411	Deck, Step	1	19401-	
2	STD-1410	Deck, Cross Entrance (Trapezoid)	1	19201-	
3	STD-1409	Deck, Inner Entrance	2	19101-	
4	STD-1406	Deck, Inner (Front) Aftersort	1	19201-	
5	STD-1407	Decking, Inner Aftersort	1	19401-	
6	STD-1405B	Deck, Presort, Rear	1	19201-	
7	STD-1404	Deck, Inner Elevation	1	19101-	

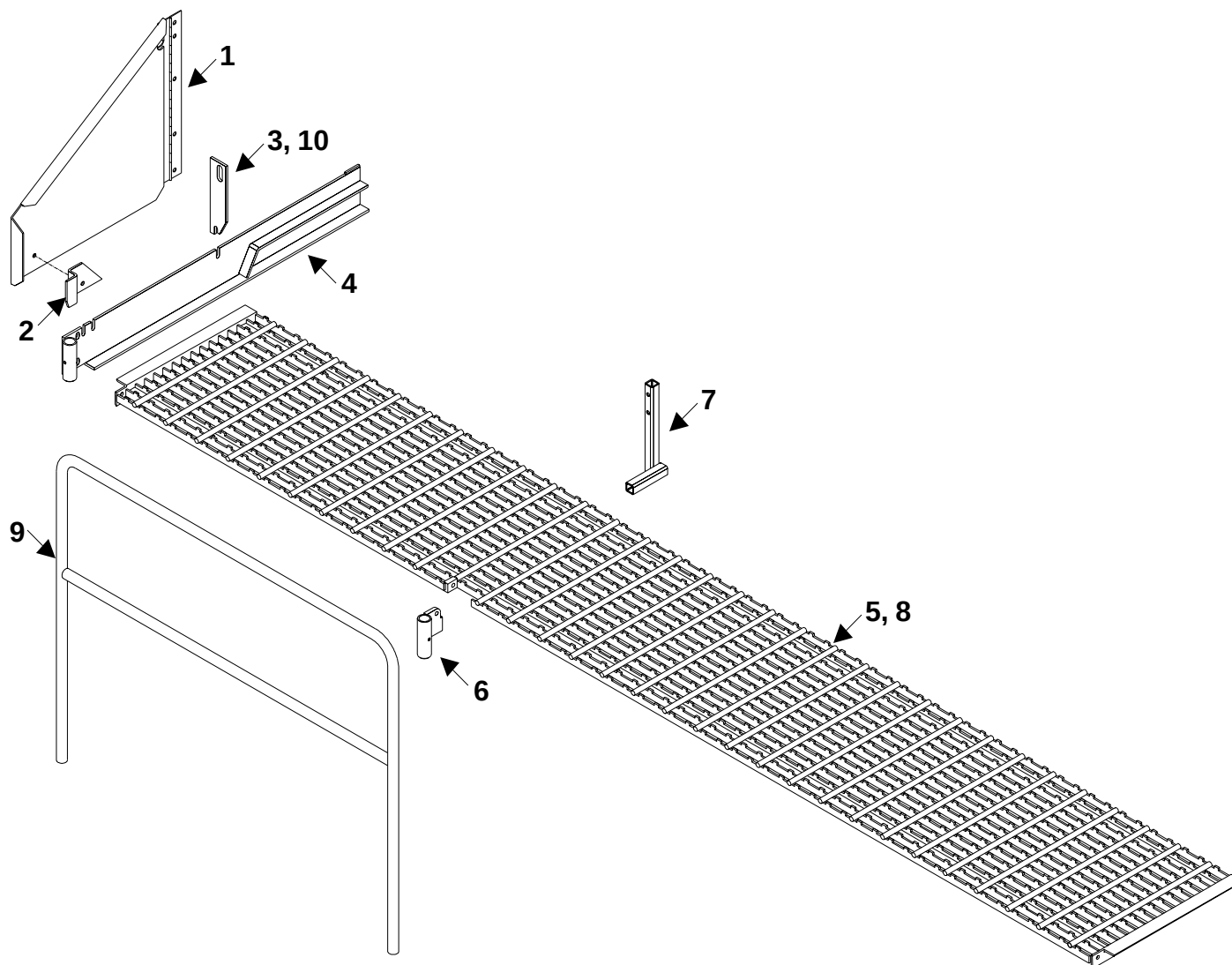
198-14-2 Outer Front Decking Assembly



198-14-2 Outer Front Decking

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-1408A	Decking Strut, Forward Deck, Rear	1	19401-	
2	194-1402B	Deck Slide Lock	2	19401-	
3	STD-1408	Decking, Outer Front	1	19401-	
4	194-727	Guard, Deck End (Rear and Front)	1	19401-	
5	194-727A	Latch, Deck End Guard	1	19401-	
6	194-1402	Slide-In, Front Deck	1	19401-	
7	194-1413	Deck Rail, Forward	1	19401-	
8	194-1418	Rubber Bumper	2	19401	
9	DC-1402B	Decal, "CAUTION Keep Locks in Place" (Deck Lock)	2		

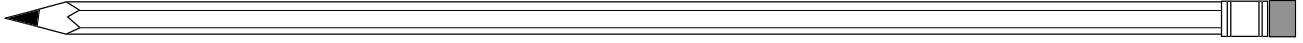
198-14-3 Outer Rear Decking Assembly



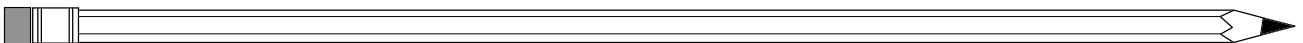
198-14-3 Outer Rear Decking

<i>Ref</i>	<i>Part No.</i>	<i>Description</i>	<i>Parts – Assembly</i>	<i>Will Fit SN</i>	<i>Remarks</i>
1	194-727	Guard, Deck End (Rear and Front)	1	19401-	
2	194-727A	Latch, Deck End Guard	1	19401-	
3	194-1402B	Deck Slide Lock	1	19401-	
4	194-1401	Slide-In Deck (Rear)	1	19401-	
5	STD-1120	Stand, Outer, "Big Wheel Kit"	1	KIT-1118	
6	STD-1118	Stand, Extention, Slider, Outer	1	KIT-1118	
7	STD-1121	Stand, Decking Support, Inner	1	KIT-1118	
8	194-1418	Rubber Bumper	6	19401	
9	193-1412	Rear Deck Rail, SS	1	19301-	
10	DC-1402B	Decal, "CAUTION Keep Locks in Place" (Deck Lock)	1		

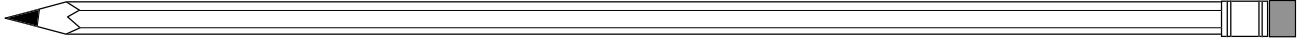
NOTES



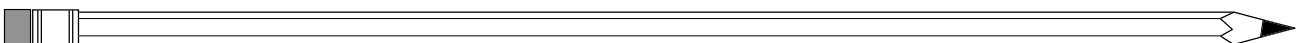
A large, empty rectangular box with a thin black border, intended for writing notes.



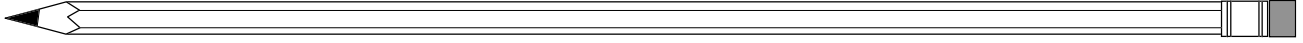
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