



60 PIK RITE LANE, LEWISBURG PA 17837

PHONE: 570-523-8174 FAX: 570-523-8175

EMAIL: frontdsk@pikrite.com WEBSITE: www.pikrite.com

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 are continually striving to keep our systems state-of-the-art to utilize all available resources that allow us to provide better and more accurate deliveries on time.

We will continue to give you the service you have come to expect from our dealer representatives and us. In order to avoid any delays during your harvest season we make every effort to have someone available to take 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.

Sincerely,

Sam Beiler
Operations Manager
sam@pikrite.com

Home Phone 570-922-1405
Mobile 570-412-0065

www.pikrite.com

Clint Morris
Parts Sales
parts@pikrite.com

Parts and Service Hotline
800-326-9763

TABLE OF CONTENTS

3104-1-1 Main Frame Assembly	8
3104-1-2 Tongue Assembly	10
3104-1-3 Gooseneck Hitch Assembly	12
3104-1-4 P.T.O. Assembly	14
3104-1-5 Axle Assembly	16
3104-1-6 Wheel & Tire Assembly	18
3104-1-7 Hub & Spindle Assembly	20
3104-2-1 4 Row Disk Header Frame Assembly	22
3104-2-2 4 Row Disk Drive Shaft Assembly	24
3104-2-3 72" Disk Shaft Assembly	26
3104-2-4 4 Row Gathering Chain Assembly	28
3104-2-5 4 Row Coulter Assembly	30
3104-2-6 4 Row Gauge Wheel Assembly	32
3104-2-7 Dual HHC Parts Assembly	34
3104-3-1 Primary Header Assembly	36
3104-3-2 Primary Header Drive Assembly	38
3104-3-3 Hydraulic Dirt Gap Assembly	40
3104-3-4 Secondary Header Assembly	42
3104-3-5 Secondary Header Drive Assembly	44
3104-3-6 Secondary Header Return Roller Assembly	46
3104-3-7 Secondary Header Dirt Vibrator Assembly	48
3104-3-8 Header Vine Assist Assembly	50
3104-3-9 Optional Header Bar Cleaner Assembly	52

3104-4-1 Primary Shaker Housing Assembly54

3104-4-2 Primary Shaker Cover & Shield56

3104-4-3 Primary Shaker Drum Assembly.....58

3104-4-4 Primary Shaker Weight & Box Assembly60

3104-4-5 Secondary Shaker Drum Assembly62

3104-4-6 Secondary Shaker Weight & Box Assembly64

3104-4-7 Secondary Shaker Cover Assembly66

3104-4-8 Shaker Ring & Finger Assembly68

3104-4-9 Optional Half Ring & Finger Assembly.....70

3104-5-1 Shaker Chamber Assembly72

3104-5-2 Transfer Drive Shaft Assembly76

3104-5-3 Transfer Return Roller Assembly.....78

3104-5-4 Optional Transfer Dirt Vibrator Assembly80

3104-5-5 Vine Chain Drive Shaft Assembly82

3104-5-6 Sizing Chain Drive Shaft Assembly84

3104-5-7 Debris Fan Assembly.....86

3104-5-8 Debris Conveyor Assembly88

3104-6-1 Cross Conveyor Assembly90

3104-6-2 Cross Conveyor Drive Shaft Assembly.....92

3104-6-4 Trash Removal Assembly.....94

3104-6-5 Trash Removal Shaft Assembly96

3104-6-6 Trash Removal Fan Assembly.....98

3104-7-1 Elevation Lower Assembly.....100

3104-7-2 Elevation Middle Assembly.....102

3104-7-3 Elevation Upper Assembly.....104

3104-7-4 Elevation Drive Assembly	106
3104-7-5 Elevation Steps, 3100 Cucumber Harvester	108
3104-7-6 Rear Decking Platform, 3100.....	110
3104-7-7 Middle Step, 3100 Cucumber Harvester	112
3104-8-1 Primary Bin Assembly.....	114
3104-8-2 Bin Lower Link Assembly.....	116
3104-8-3 Bin Outer Link Assembly	118
3104-8-4 Bin Drive Shaft Assembly	120
3104-10-1 Oil Tank Assembly.....	122
3104-10-2 Oil Cooler & Filter Assembly	124
3104-10-5 Disk Header Valve Section Assembly.....	126
3104-10-9 Hydraulic Motor Plumbing Assembly	128
3104-10-10 Hydraulic Flow Control w/out Relief Parts.....	132
3104-10-11 Hydraulic Flow Control w/ Relief Parts.....	134
3104-10-12 Hydraulic Flow Control w/ Check Valve Parts.....	136
3104-10-14 Hydraulic Relief Bank Assembly	138
3104-10-15 Hydraulic Motor Case Drain Assembly	140
3104-11-1 Hydraulic Cylinder Plumbing Assembly	142
3104-11-2 Hydraulic Cylinder Control Bank.....	146
3104-11-3 Electric/Hydraulic Valve Assembly.....	148
3104-11-4 Electric/Hydraulic Unloading Inlet Section	150
3104-11-5 Ele./Hyd. Double Locking Valve Section.....	152
3104-12-1 Standard Grease Banks	154
3104-15-1 Hedge Hog & Debris Fan Valve Control	156
3104-15-2 Primary Shacker Rotation Valve Control	158

3104-15-3 Transfer Chain, Header & Transfer Vibrator Control.....160

3104-15-4 Vine Chain, Primary & Shaker Weight Control162

3104-15-5 Sizing Chain & Drum & Hedge Hog Belt, Controls.....164

3104-15-10 Hydraulic Pipes.....166

3104-15-24 Front Control Panel.....168

3104-15-25 Rear Control Panel170

3104-17-1 Electrical Panel Box Assembly172

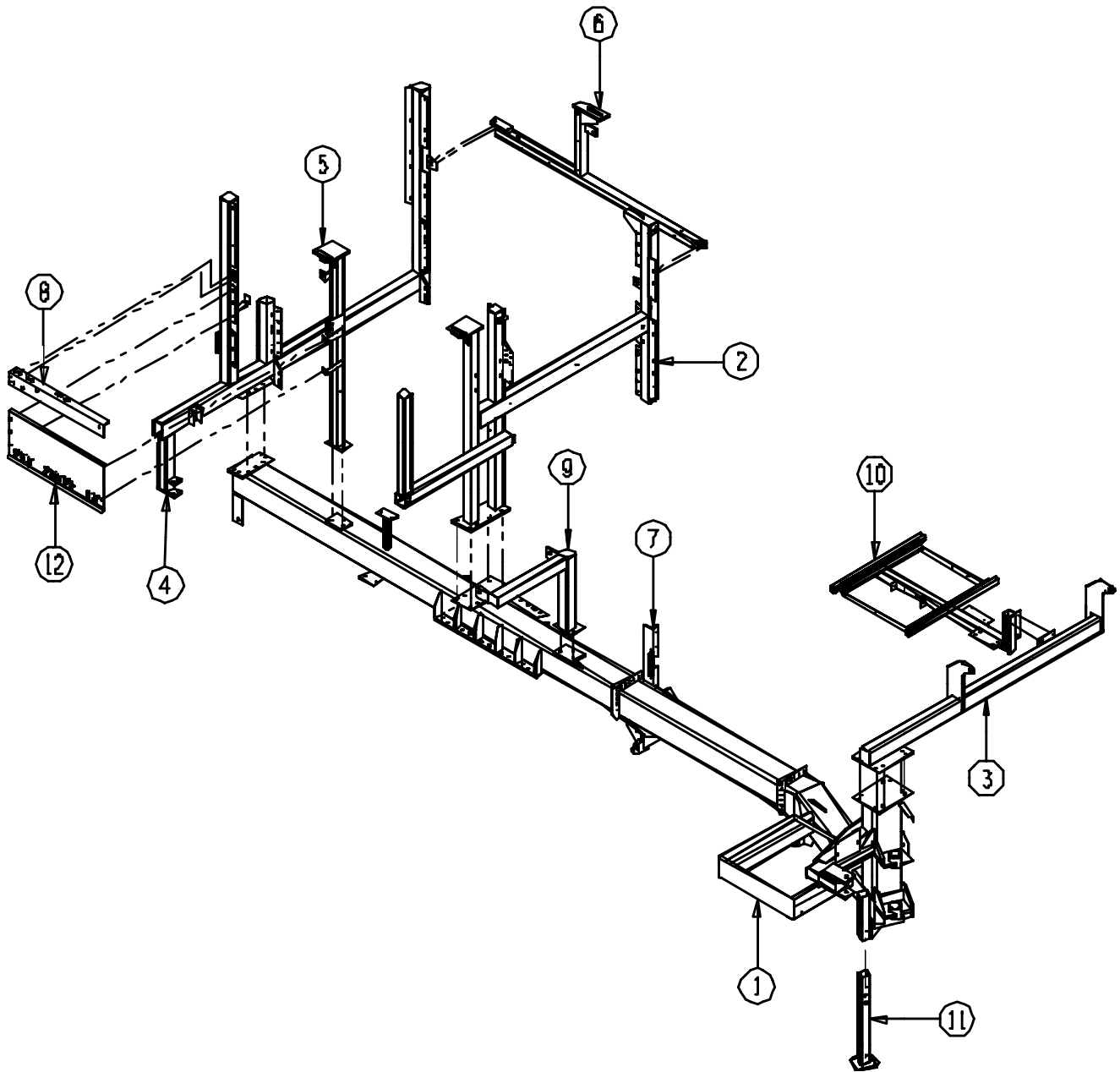
3104-17-2 Control Box Assembly176

PARTS CATALOG

3104-1-1 Main Frame Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-7100	Main Frame, 3100 Cucumber Harvester	1		
2	FRM-7400	Shaker Frame, 3100 Cucumber Harvester	1		
3	FRM-7250	Header Cyl. Support Frame. 3100 Cucumber Harvester	1		
4	FRM-7101	Rear Cross Frame, 3100 Cucumber Harvester	1		
5	POS-7400	Post, Main Frame, 3100 Cucumber Harvester	1		
6	SUP-8400	Mount, Tube, Shaker Frame, High Cap Tomato	1		
7	BRA-7107	Bracket, 3100 Cucumber Harvester	1		
8	ARM-8450	Support, Mount, Inner Secondary Shaker, HC290	1		
9	POS-7800	Elevation Mount	1		
10	FRM-7251	Frame, Cylinder Mount, 3100 Cucumber Harvester	1		
11	WH-7100	Wheel, Jackstand, 3100 Cucumber Harvester	1		
12	PAN-7406	Rear Flow Control Panel, 3100 Cucumber	1	PAN-7406	

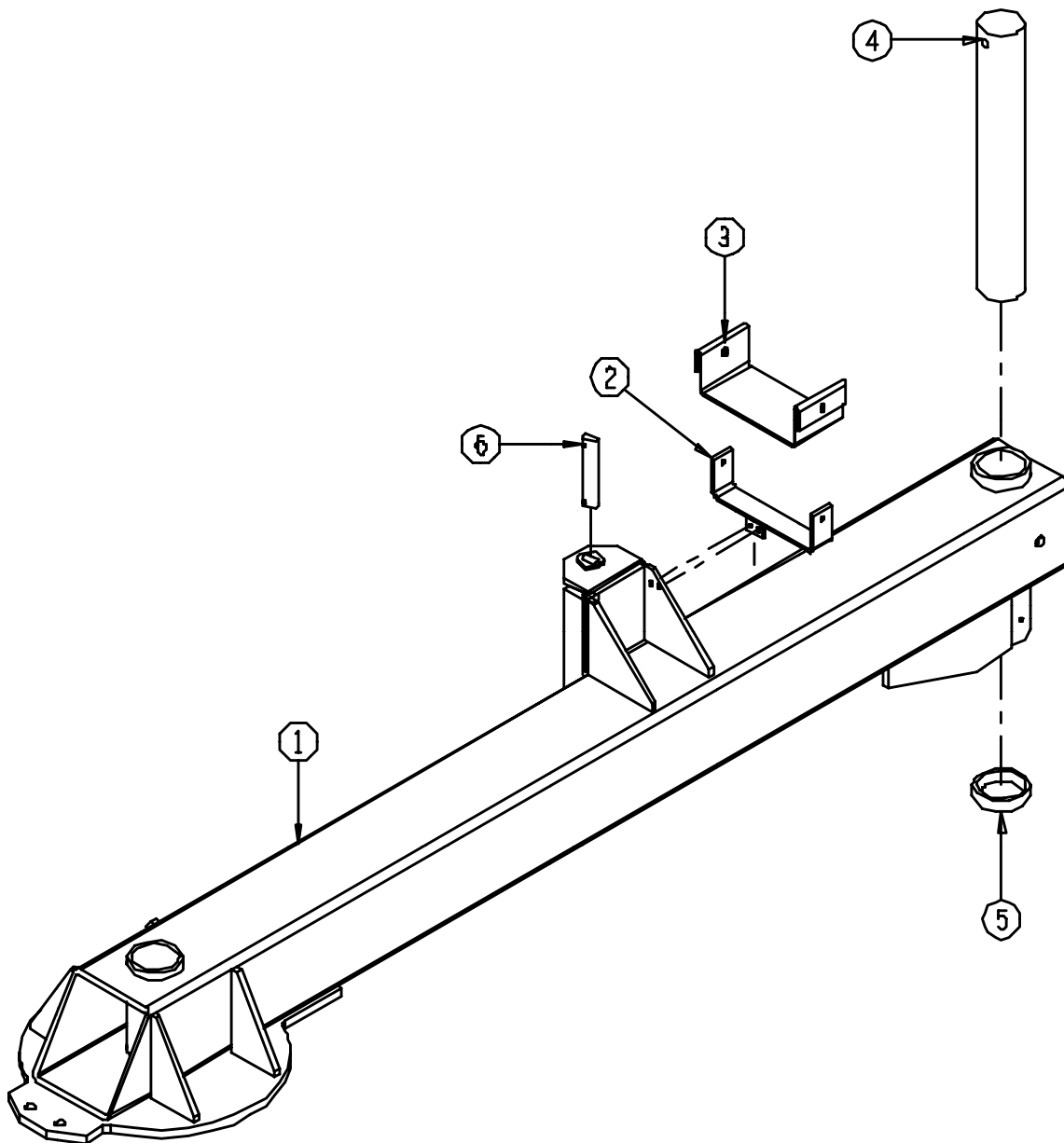
3104-1-1 MAIN FRAME ASSEMBLY



3104-1-2 Tongue Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-7110	Tongue Frame, 3100 Cucumber Harvester	1		
2	BRA-8110	Bracket, Hose Holder, Tongue HC290	1		
3	BT-8110	Belting, Hose Holder, Gooseneck	1		
4	PIN-8110	Tongue Swivel, Main Frame, High Cap Tomato	1		
5	SPA-8110	Bushing, Tongue Swivel, High Cap Tom	1		
6	SFT-8110	Shaft, Cylinder Pin, Tonge HC290	1		

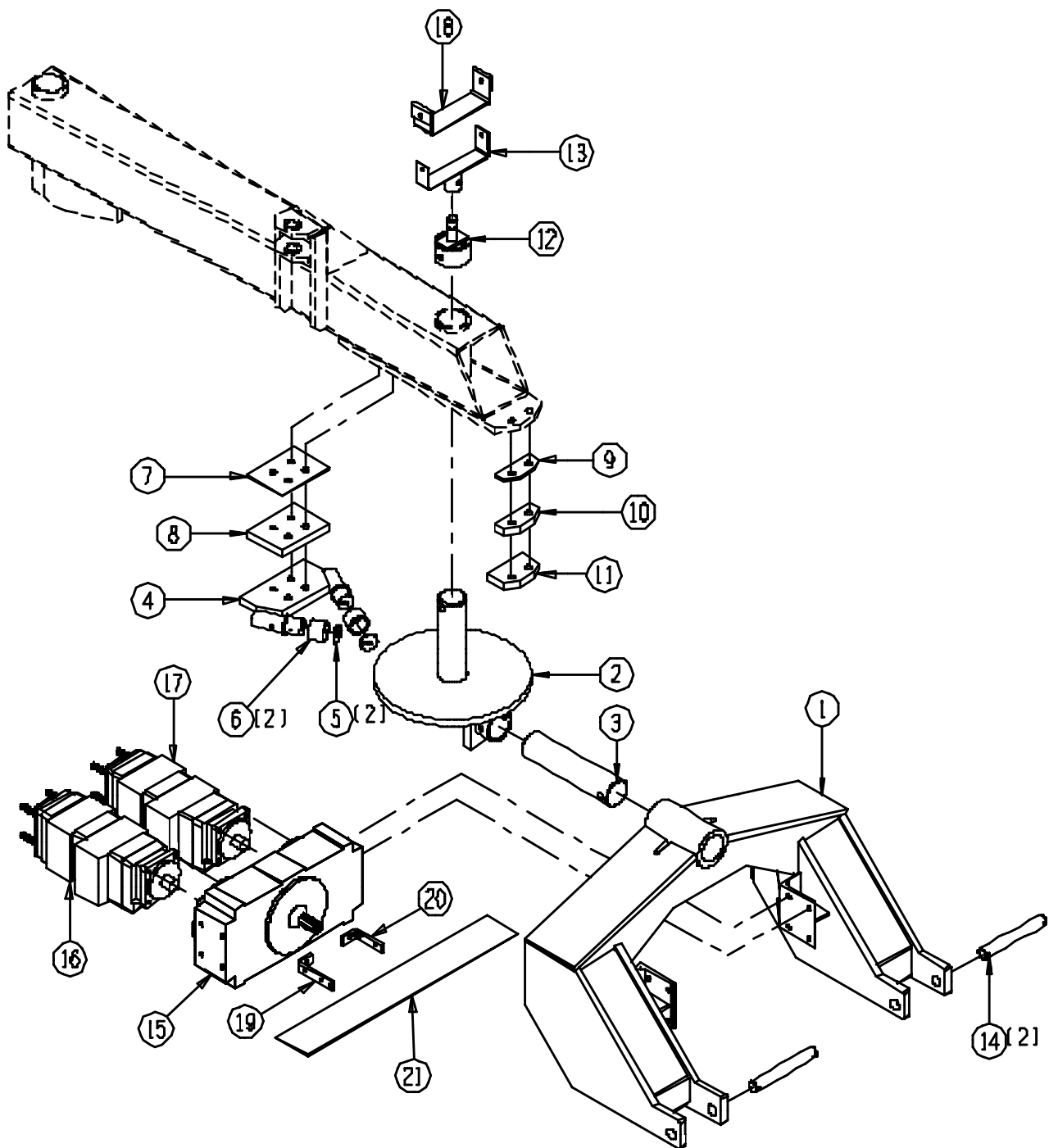
3104-1-2 TONGUE ASSEMBLY



3104-1-3 Gooseneck Hitch Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-8111	Frame, 2 Point Hitch HC290 Tomato	1		
2	PIN-8210	Gooseneck Hitch Pivot/Swivel, Tractor Hitch Frm	1		
3	SFT-8112	Shaft, Gooseneck Hitch Pivot, HC290	1		
4	BAR-8210	Bar, Roller, Hitch/Tongue, HC290 Tomato	1		
5	BAR-8211	Bar, End Cap Roller, Hitch/Tongue, HC290 Tomato	2		
6	BAR-8212	Bar, Rnd Tubing, Roller, Hitch/Tongue, HC290	2		
7	BAR-8213	Bar, Spacer, Back Top, Hitch/Tongue, HC290	1		
8	BAR-8214	Bar, Spacer, Back, Bottom, Hitch/Tongue, HC290	1	BAR-8214	
9	BAR-8215	Bar, Spacer, Front Top, Hitch/Tongue, HC290	1		
10	BAR-8216	Bar, Spacer, Front Middle, Hitch/Tongue, HC290	1		
11	BAR-8217	Bar, Spacer, Front Bottom, Hitch/Tongue, HC290	1		
12	POS-8110	Post, Pivot Holder, Tongue HC290	1		
13	SUP-8110	Support, Pivoting Hose Holder, Tongue HC290	1		
14	PIN-003P	Pin, Quick Hitch & Tomato	2		
15	GBX-252	Two Pad Gearbox for HC290	1		
16	HP-365-C15	Hydraulic Pump, Model 365	1		Mfg. No. P365B178**AB10-7/P330BBIAB15****AB12-1
17	HP-365-C17	Hydraulic Pump, Model 365	1		Mfg. No. P365B178**AB12-7/P330BBIAB17****AB10-1
18	BT-8110	Belting, Hose Holder, Gooseneck	1		
19	BRA-8200	Bracket, Outsd, PTO Belting, Hitch Assy, HC290	1		
20	BRA-8201	Bracket, Inside, PTO Belting, Hitch Assy, HC290	1		
21	BT-8200	Belting, PTO, Hitch Assembly, HC290 Tomato	1		

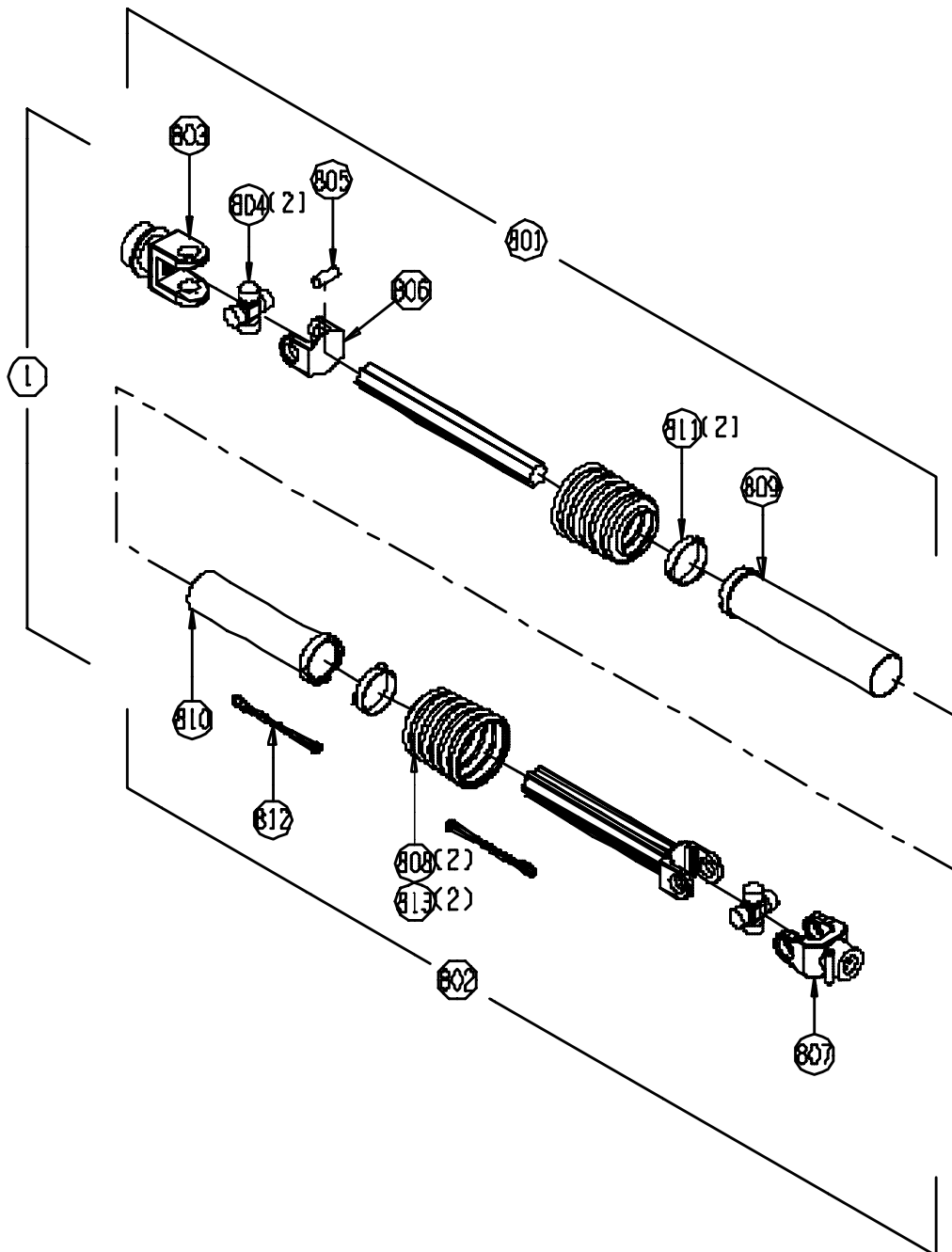
3104-1-3 GOOSENECK HITCH ASSEMBLY



3104-1-4 P.T.O. Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PTS-8101	1-3/4 x 20-spline x 1-3/8 6-spline gearbox (HC290)	1		PTS-4001-FH + PTS-8100-RH IH MX Series Quick Hitch On Ford New Hol. Quick Hitch Off JD 7000 & 8000 both Hitch configs Case IH above 160 HP Quick H on Case IH Under 159 HP Both Hitch configs
801	PTS-4001-FH	1-3/4 x 20-spline, Front Half for PTS-8101, PTS-4001	1		
802	PTS-8100-RH	1-3/8 x 6-Spline, Rear Half for PTS-8100, PTS-8101	1		
803	PTS-1002C	PTO Yoke (Waltershied) 1 3/8" x 21 spline	1	19101-	John Deere PN AW25386
804	PTS-4001B	Extended Lube Cross & Bearing Kit	2	Waltershied Yokes	Replaces PTS-1002B
805	PTS-3001-D	Spring Pin 10x90	1		
806	PTS-4001IY	Inboard Yoke, Tractor Half	1		
807	PTS-8100-A	1-3/8 x 6-spline, Clamp Type	1		
808	PTS-1002E	PTO Shield Cone (Waltershied)	2	19101-	
809	PTS-4001OS	PTO Outer Shield (Waltershied) Chili	1		
810	PTS-4001IS	PTO Inner Shield (Waltershied) Chili	1		
811	PTS-1002J	PTO Shield Bearing Ring	2		
812	PTS-1002K	PTO Shield Safety Chain	1		
813	PTS-1010K	Screw	2		

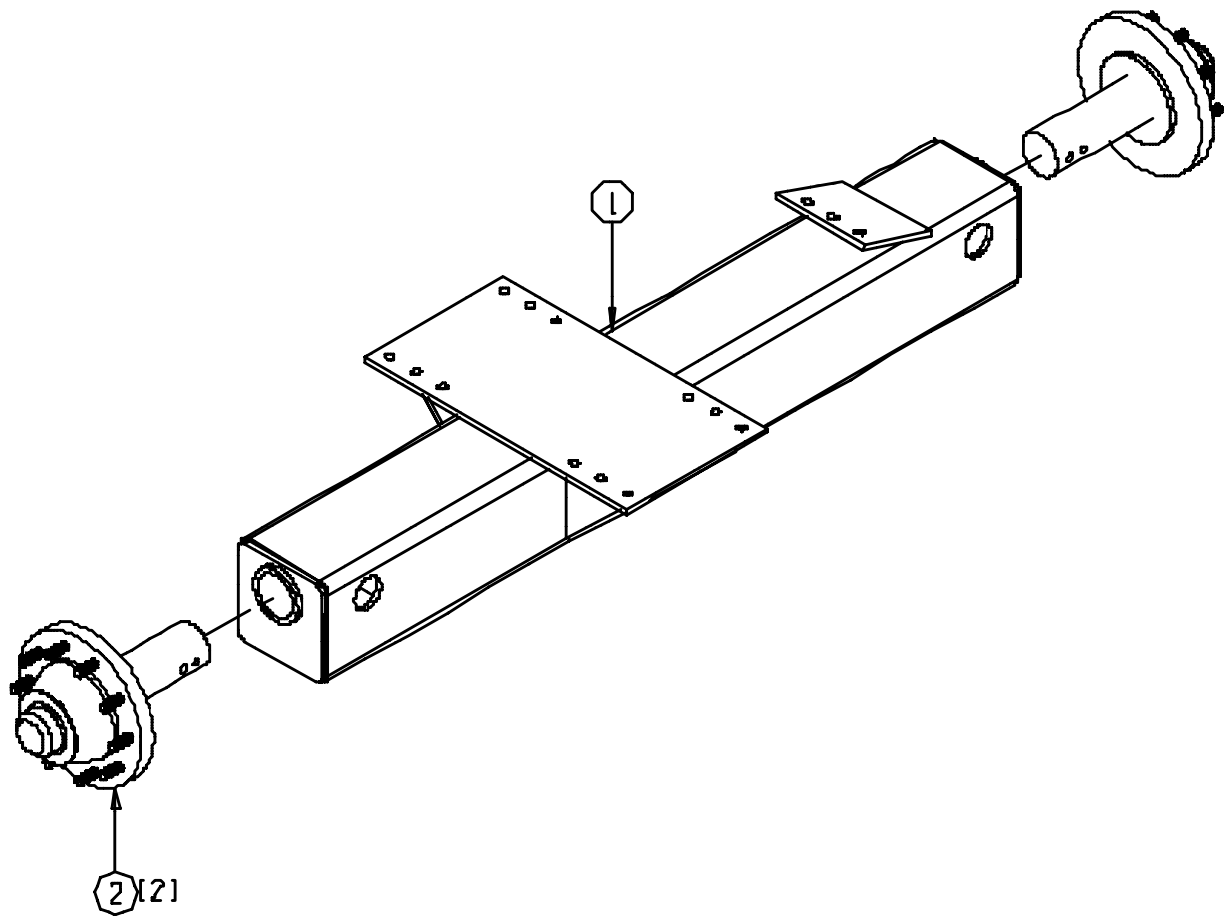
3104-1-4 P.T.O. ASSEMBLY



3104-1-5 Axle Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-7109	Wheel Axle, 3100 Cucumber Harvester	1		
2	WHL-1210	Hub and Spindle Assembly	2		

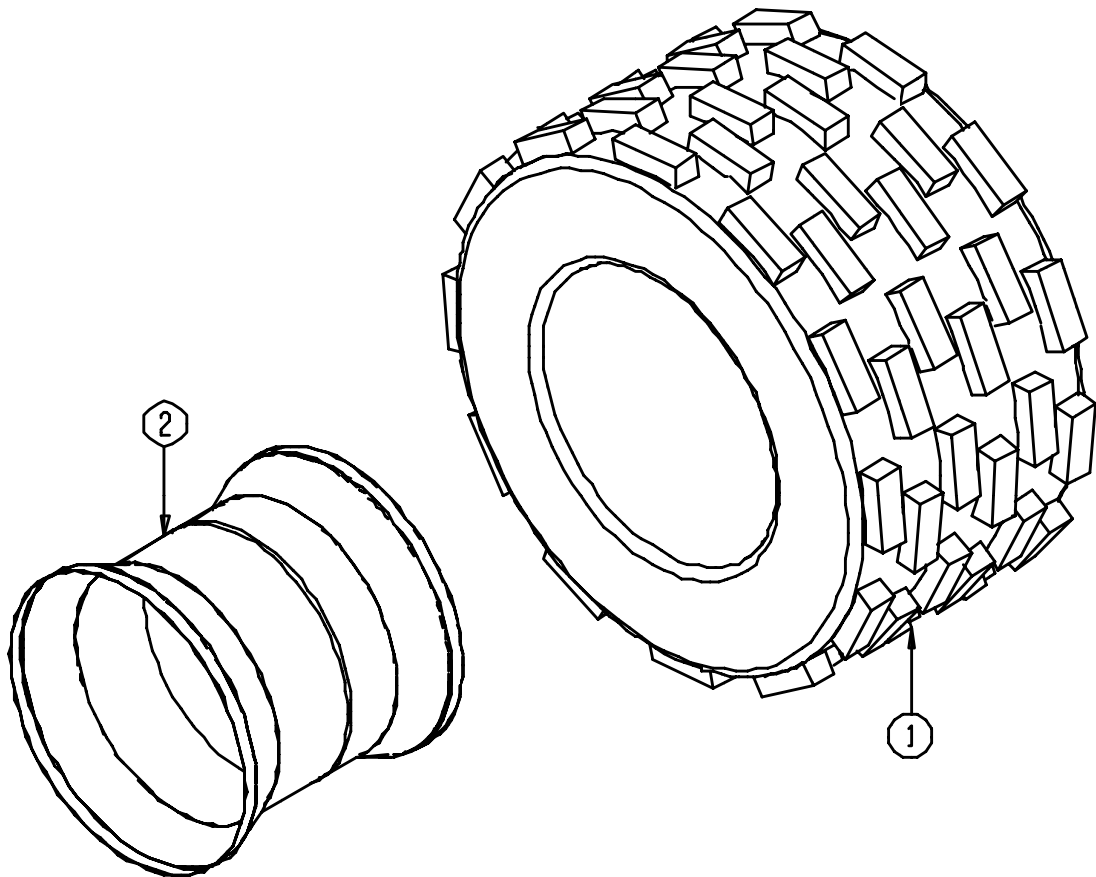
3104-1-5 AXLE ASSEMBLY



3104-1-6 Wheel & Tire Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHT-3300	750/50-30.5 159A8 414 Single Tire for 3100	2		
2	WHL-3300	7mm x 15mm Single Wheel for 3100	2		

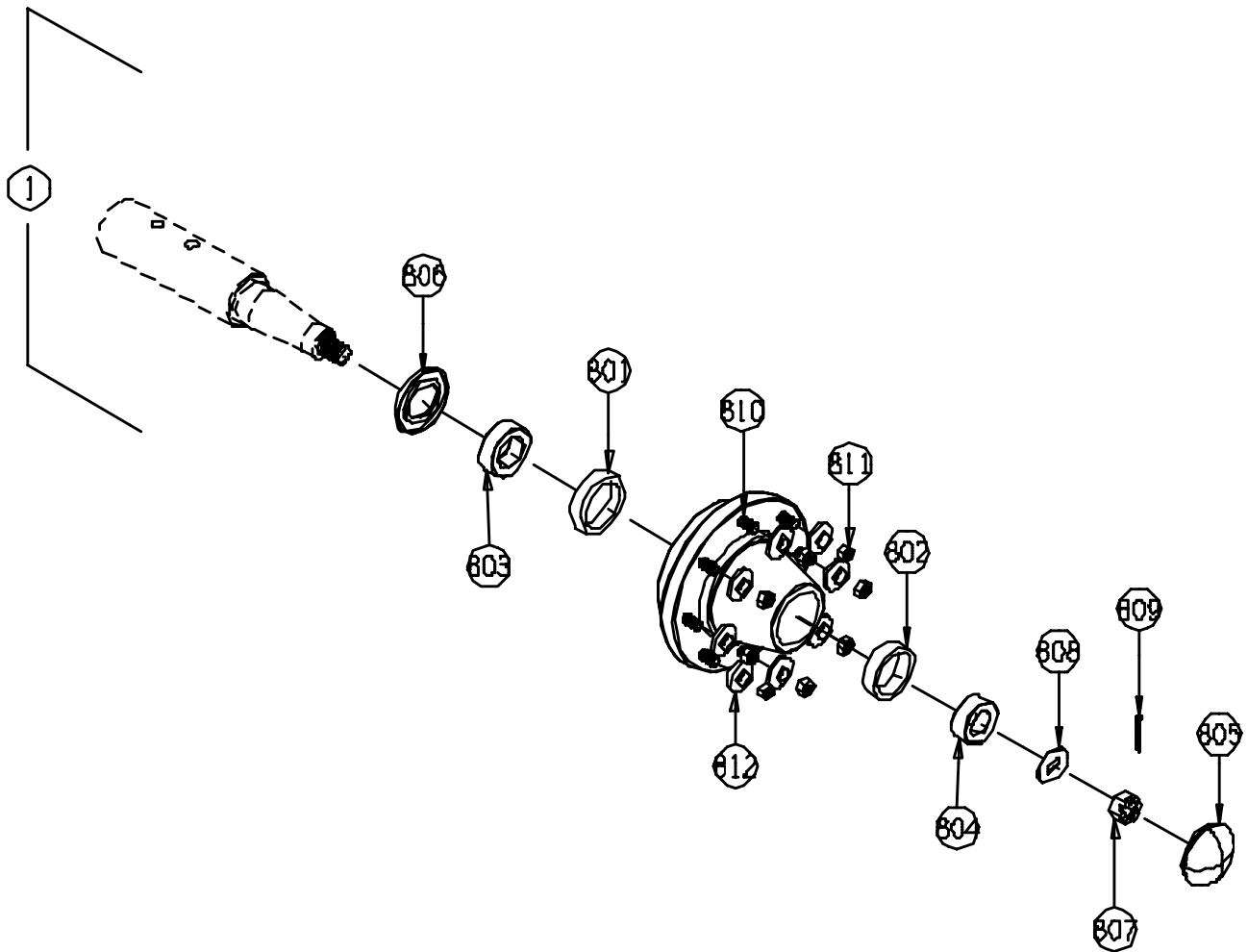
3104-1-6 WHEEL & TIRE ASSEMBLY



3104-1-7 Hub & Spindle Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-1210	Hub and Spindle Assembly	2		
801	WHL-1210A	Inner Cup	1		
802	WHL-1210B	Outter Cup	1		
803	WHL-1210C	Inner Cone	1		
804	WHL-1210D	Outter Cone	1		
805	WHL-1210E	Dust Cap	1		
806	WHL-1210F	Grease Seal	1		
807	WHL-1210G	Flange Nut, Spindle	1		
808	WHL-1210H	Washer, Spindle	1		
809	WHL-1210I	Cotter Pin, Spindle	1		
810	WHL-1210J	Wheel Stud Bolt	8		
811	WHL-1210K	Wheel Stud Nut	8		
812	WHL-1210L	Wheel Stud Washer	8		

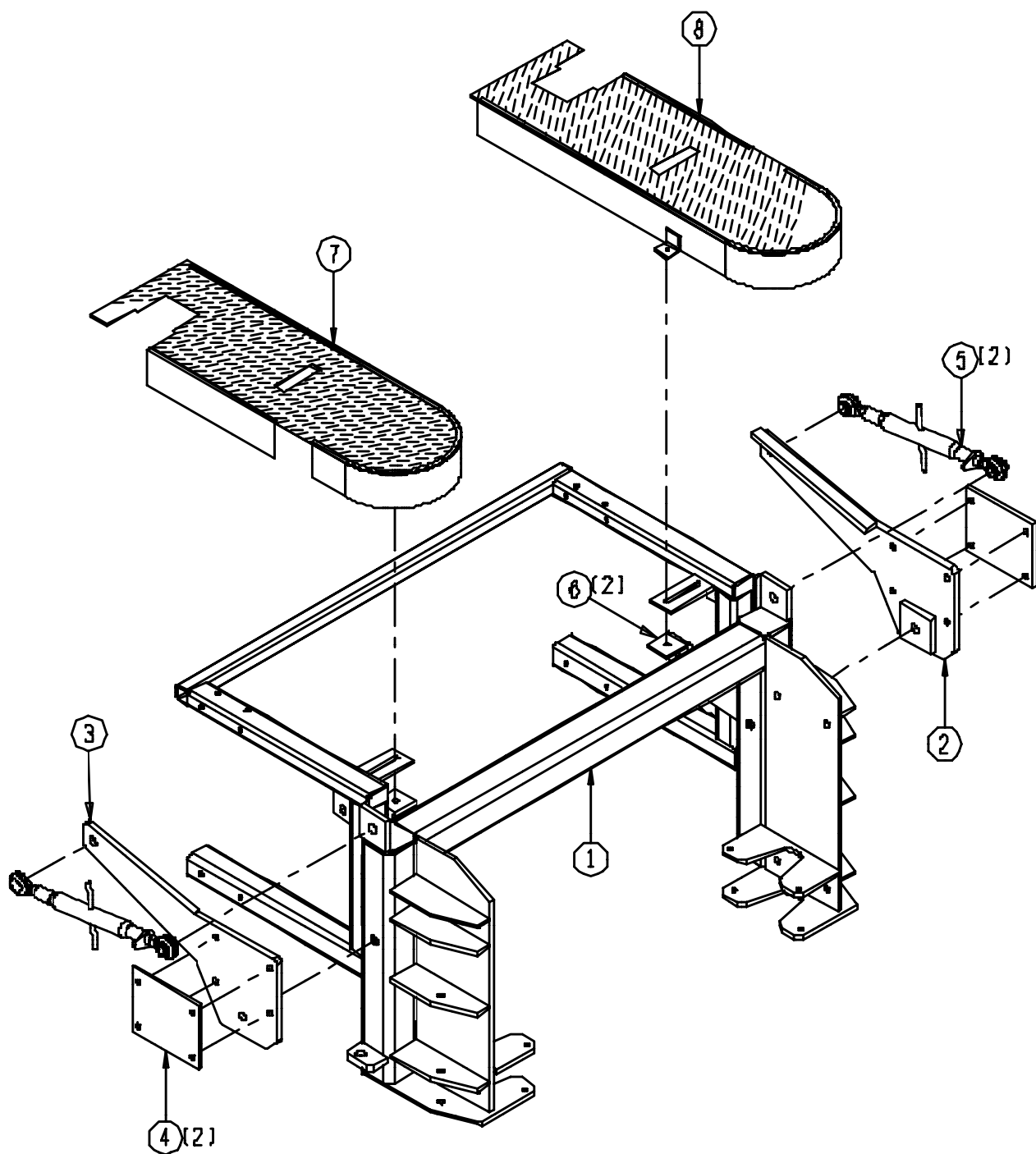
3104-1-7 HUB & SPINDLE ASSEMBLY



3104-2-1 4 Row Disk Header Frame Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-7200	Disk Header, 3100 Cucumber Harvester	1		
2	ADJ-7200	Adjuster, Left Side, Disk Header, 3100	1		
3	ADJ-7201	Right Side, Disk Header, Adjuster, 3100	1		
4	ARM-7200	Arm Adjuster, Backing Plates	2		
5	TL-00336	Category #2 Top Link	2		
6	ADJ-7203	Adjuster, Chain Tensioner	2		
7	SHD-7200	Sheild, Disk Header	1		
8	SHD-7201	Sheild, Outer Sheild, Disk Drive 3100	1		

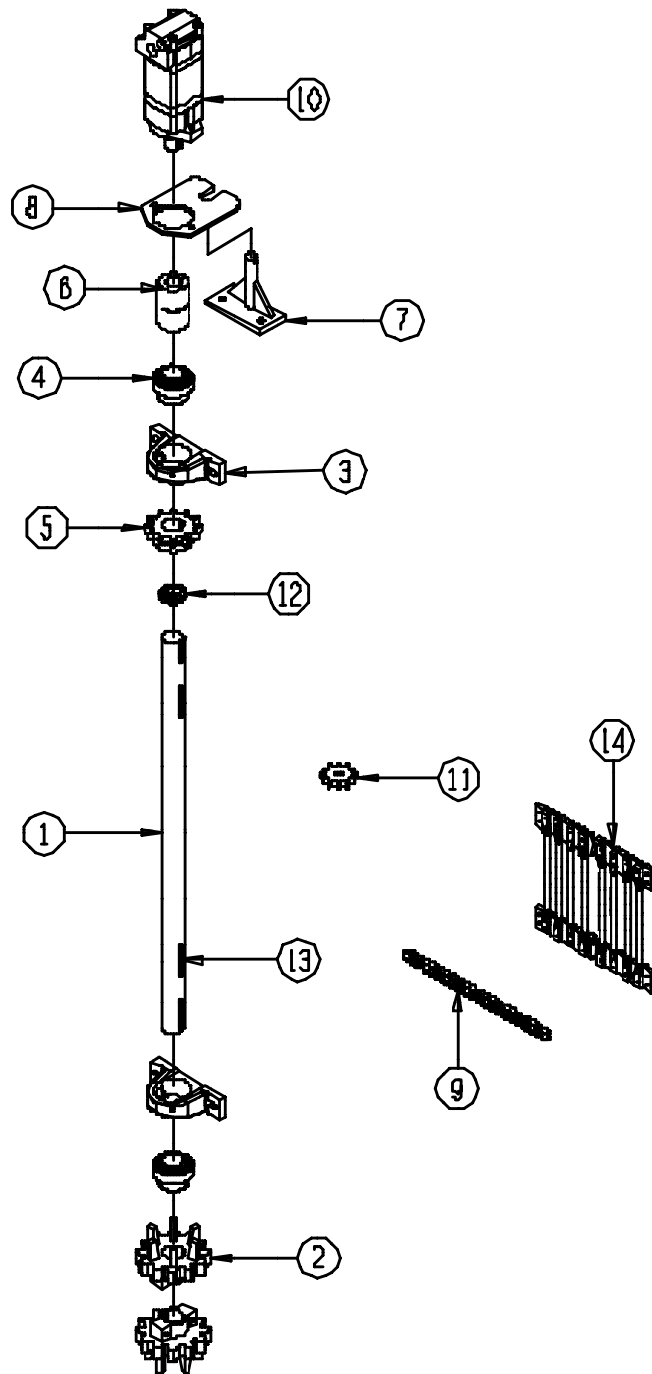
3104-2-1 4 ROW DISK HEADER FRAME ASSEMBLY



3104-2-2 4 Row Disk Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7201	Gathering Chain Shaft	2		
2	SP-3612-28-6	36-12 Sprocket	4		
3	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	4	19101	
4	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	4		
5	SP-80B12-28-6	#80 Roller Chain Sprocket, 12 Tooth	2		
6	CPS-2820	Steel Coupler 1 3/4" x 1 1/4" ID with 3/8" Keyway on 1 3/4" ID	2		
7	STP-7200	Motor Stop	2		
8	ARM-1420	Arm, Short Mount, Motor w/ SAE A Two Bolt Pad	2		
10	HM-1420-CH	Char Lynn Motor	2		
11	SP-8012-T	#80 Idler Sprocket	2		
12	SC-20-2	Shaft Collar, 2 piece 1 1/4" bore	2		
13	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	6		
14	BC-6-1236-113	Gathering Chain for 3100 Cucumber	2		

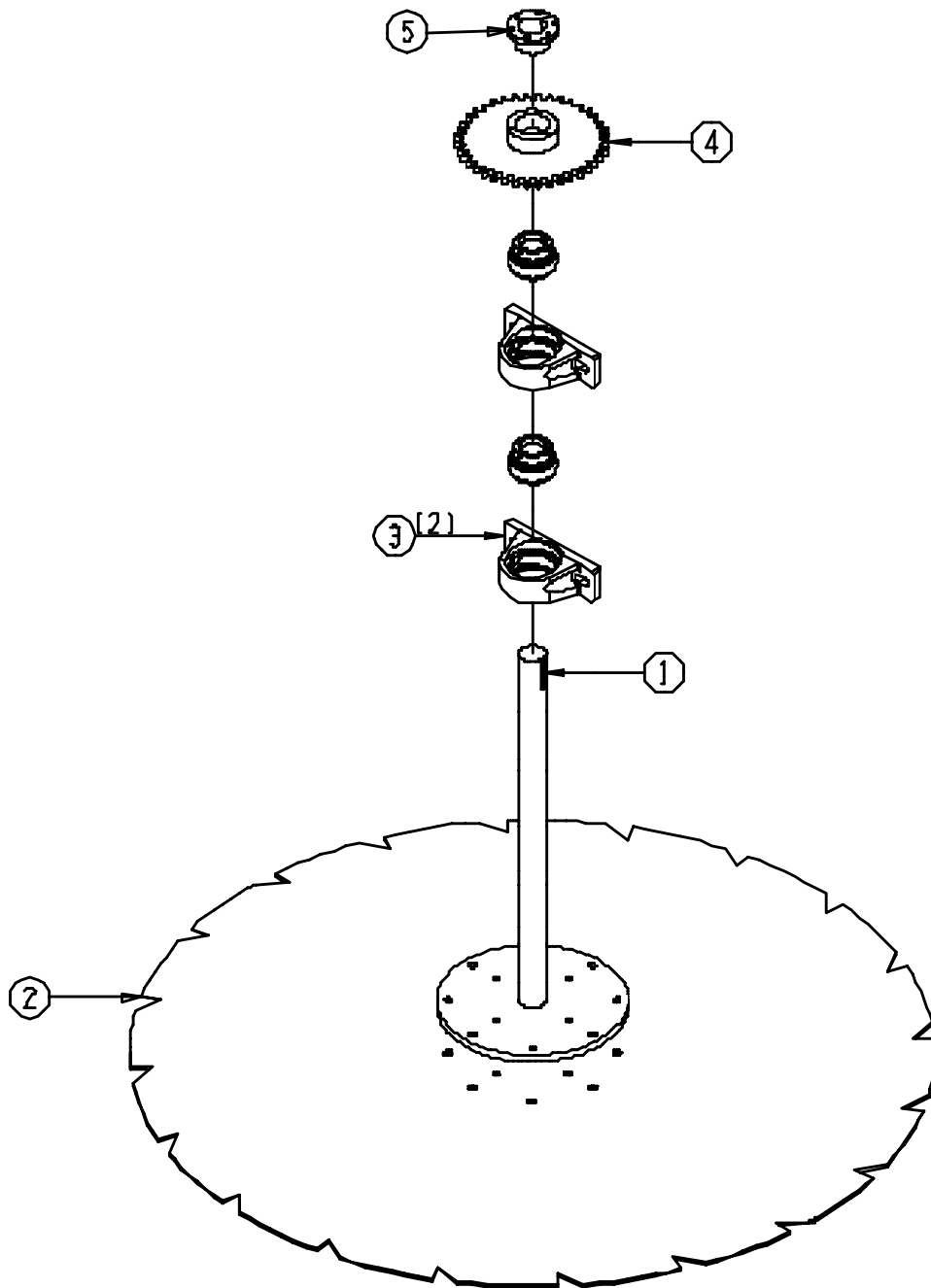
3104-2-2 4 ROW DISK DRIVE SHAFT ASSEMBLY



3104-2-3 72" Disk Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7202	Shaft, Disk, Disk Header, 3100 Cuc.	1		
2	HD-150-72	72" Header Disk	1		
3	BR-244-110	2-7/16 Single Seal Bearing, 3100 Disk Shaft	2		
4	SP-80SF40	#80 Sprocket 40 Tooth	1		
5	SP-SF-43	SF x 2 7/16"	1		

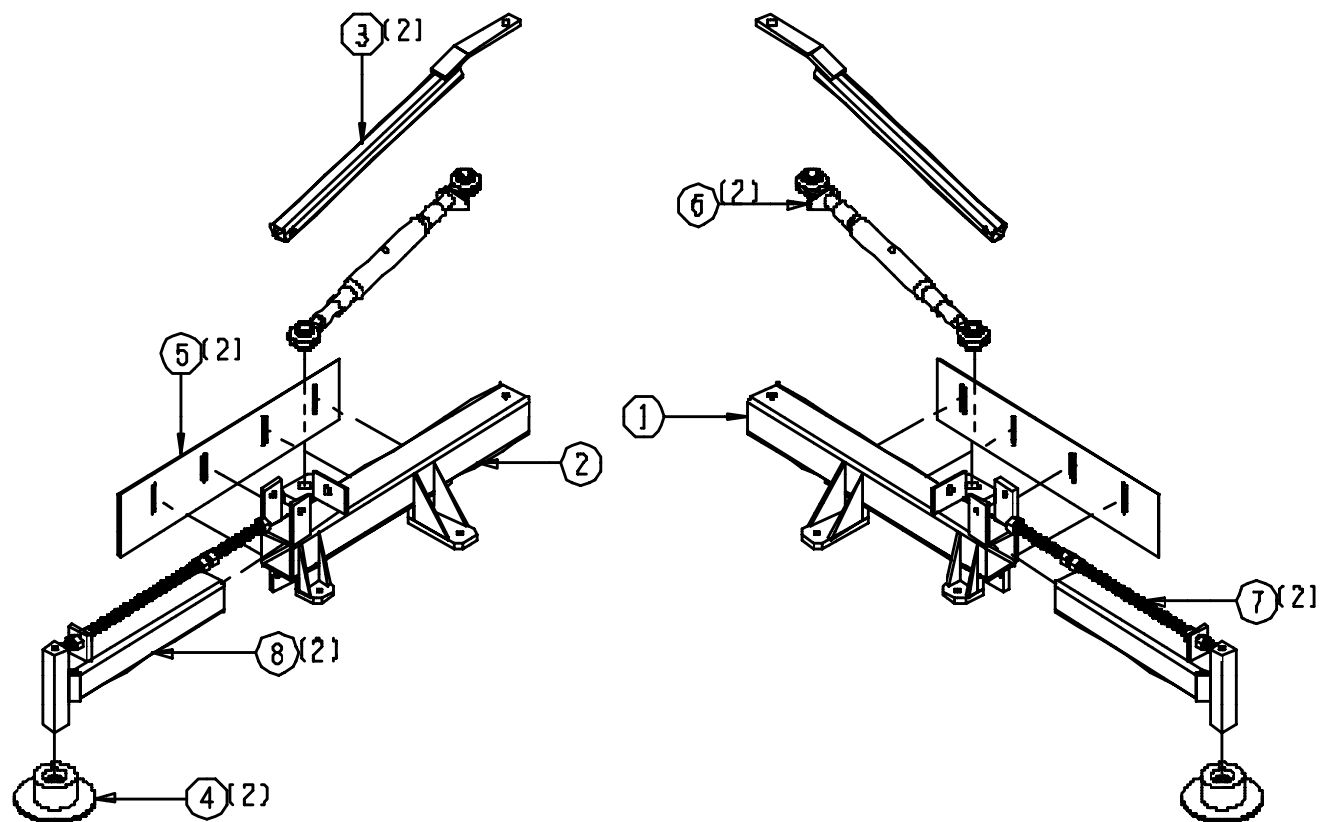
3104-2-3 72" DISK SHAFT ASSEMBLY



3104-2-4 4 Row Gathering Chain Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BRA-7200	Bracket, Gathering Chain, 3100 Cucumber Harvester	1		
2	BRA-7201	Bracket Gather Chain, 3100 Cucumber Harvester	1		
3	BRA-7203	Bracket Gathering Chain, 3100 Cucumber Harvester	2	BRA-7203	
4	RLT-635-2210	6" Flange Roller 2.2 WF 3.5 dia, 5/8" bore	2		
5	SCR-7200	Disk Scraper, 3100 Cucumber Harvester	2		
6	TL-00336	Category #2 Top Link	2		
7	ADJ-7204	Adjuster Gathering Chain, 3100 Cucumber Harvester	2	ADJ-7204	
8	BRA-7202	Roller Adjustment, 3100 Cucumber Harvester	2		

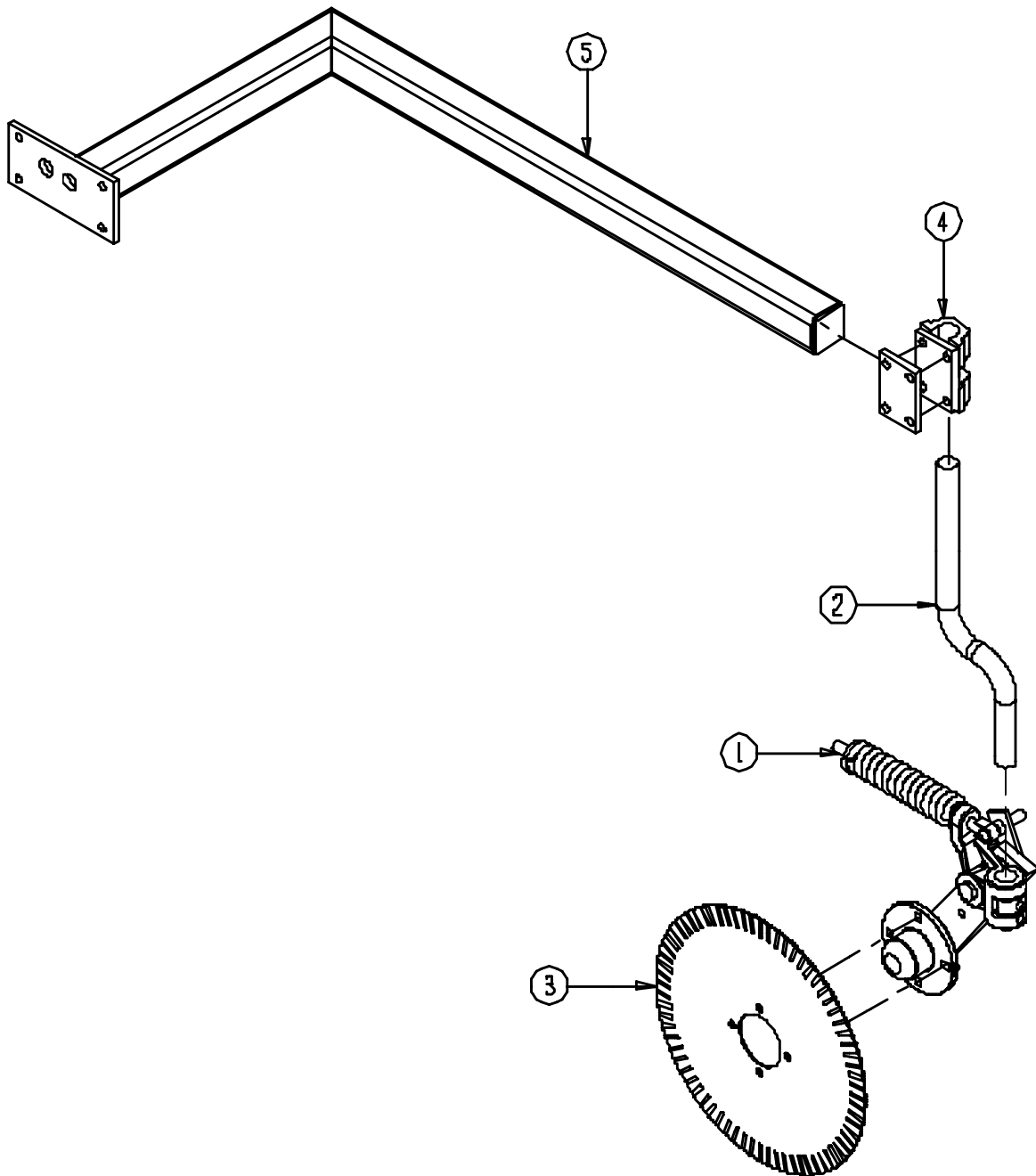
3104-2-4 4 ROW GATHERING CHAIN ASSEMBLY



3104-2-5 4 Row Coulter Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	CLT-324L	Utility Coulter	1		Refer to manufacturer's literature.
2	CLT-132C	Offset Shank	1		Refer to manufacturer's literature.
3	CLT-074C	Narrow Fluted Blade	1		Refer to manufacturer's literature.
4	CLT-064K	3" x 3" Clamp Kit	1		Refer to manufacturer's literature.
5	ARM-7201	ARM. Coulter Mount, 3100 Cucumber Harvester	1	ARM-7201	

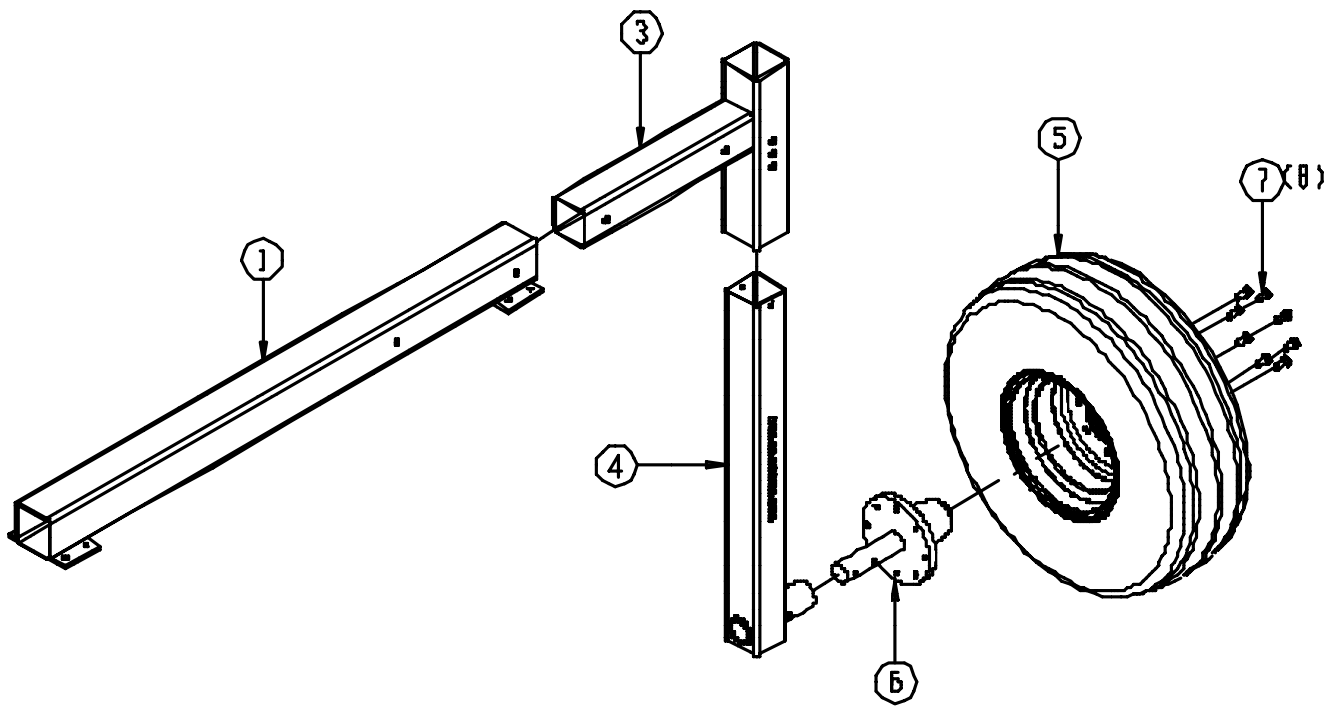
3104-2-5 4 ROW COULTER ASSEMBLY



3104-2-6 4 Row Gauge Wheel Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	WHL-7200	Wheel Mount, 3100 Cucumber Harvester	1		
3	WHL-7201	Gauge Wheel Mount, 3100 Cucumber Harvester	1	WHL-7201	
4	WHL-7202	Slider Tube, 3100 Cucumber Harvester	1		
5	WHM-1100	Mounted Tire Tube/ Wheel Assembly for 12.5 L15 15 ply Tire	1	190	
6	WHL-1115	Complete Hub and Spindle Assembly	1	193-1109 / WHL-1121	
7	WBR-1107L	Wheel, Lug bolts	8	WHL-1115	

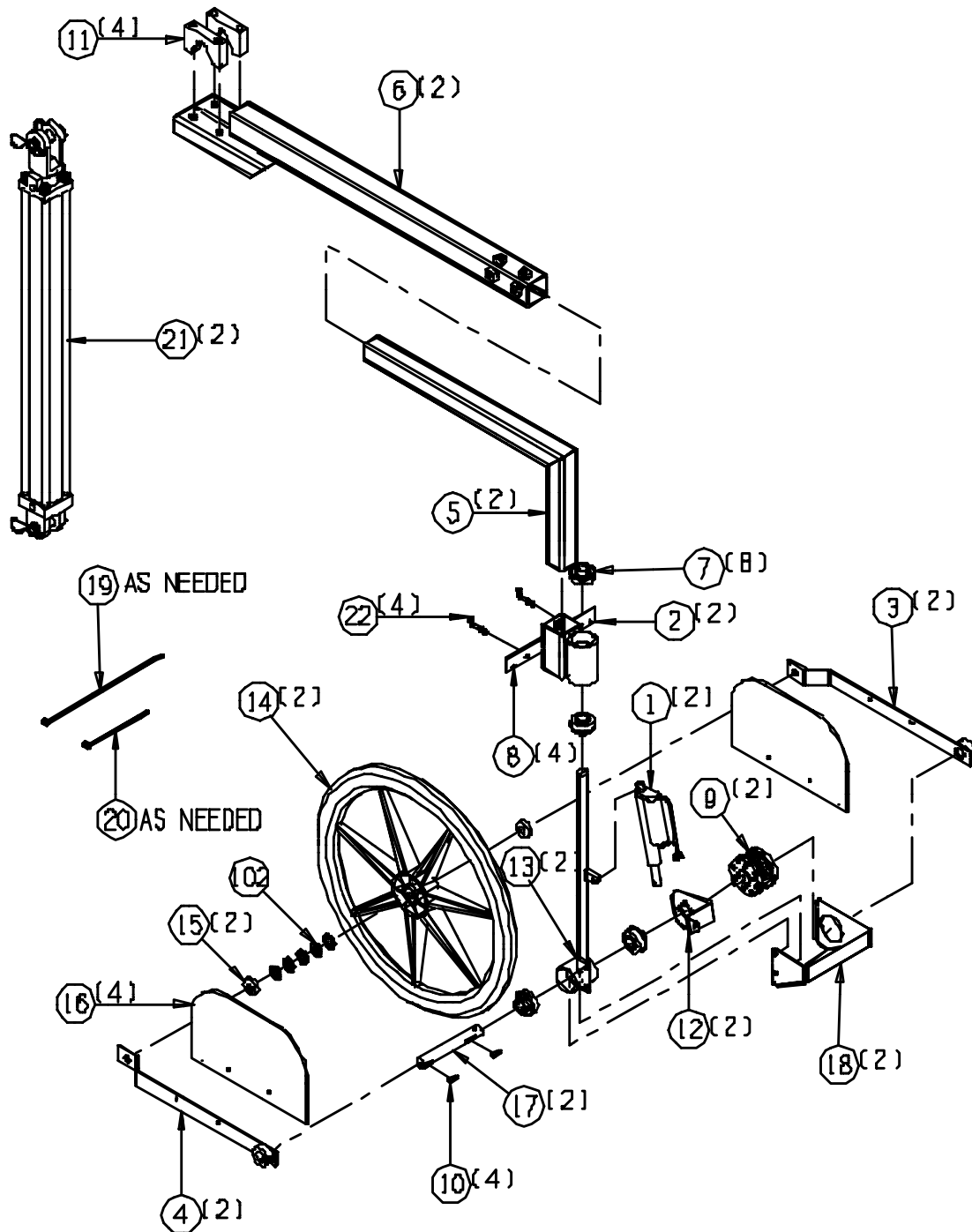
3104-2-6 4 ROW GAUGE WHEEL ASSEMBLY



3104-2-7 Dual HHC Parts Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	ACT-042-28	Actuator, Single Control, 28' Lead	2		
2	ADJ-HC99	Adjuster, Wheel Control Height Adj, HHC	2		
3	ARM-HC99L	Arm, Left, Control Wheel, HHC	2		
4	ARM-HC99R	Arm, Right, Control Wheel, HHC	2		
5	BRA-3530	Bracket, Wheel Mount, Header Height (Pickle)	2	30096001-	
6	BAR-9024	Bracket, Header Height Control	2	KIT-0048	
7	BR-100-ER	Bearing, 1" ER	8		
8	CH-3-28	3/16 LINK CHAIN 28 LINKS	4		
9	HVR-5479	Rotary Valve, Microtorque w/ high pressure ends	2		
10	KEY-4-4-12	SHAFT KEY 1/4"x3/4" SQUARE CUT (1018)	4		
11	MOU-103	Mount, Wheel Arm Bar Support, HHC, Cuc & Tom	4		
12	ARM-HC03	Arm, Rotary Valve. HHC, 2003	2		
13	MOU-HC03	Mount, Trailing Wheel Arms, HHC, 2003	2		
14	WHL-200	Spoked Wheel for AHHC, includes 5/8 bore bearings	2		
15	WHL-200-C	Wheel Bearing, 5/8" Bore	2		
16	PL-HC99	Plastic, Chain Guard Wheel Arm, HHC	4		
17	SFT-HC99	Shaft, Wheel Arm Mounts, HHC	2		
18	SHD-HC03	Shield, Rotary Valve, HHC, 2003	2		
19	WT-14	Wire Tie 14 1/4"	50		
20	WT-7	Wire Tie 7"	50		
21	HC-250-3008	Hydraulic cylinder 2 1/2" x 30" #8 SAE Ports	2	11001-	
22	SUP-8100	Support, Wheel Hold Up, Header Height, HC290	4		
101	BL-5-N	5/16 UNF FIN HEX NUT A563 GrA ZINC	8		
102	BL-10-SM	5/8 x 1 x 14ga Shim	5		

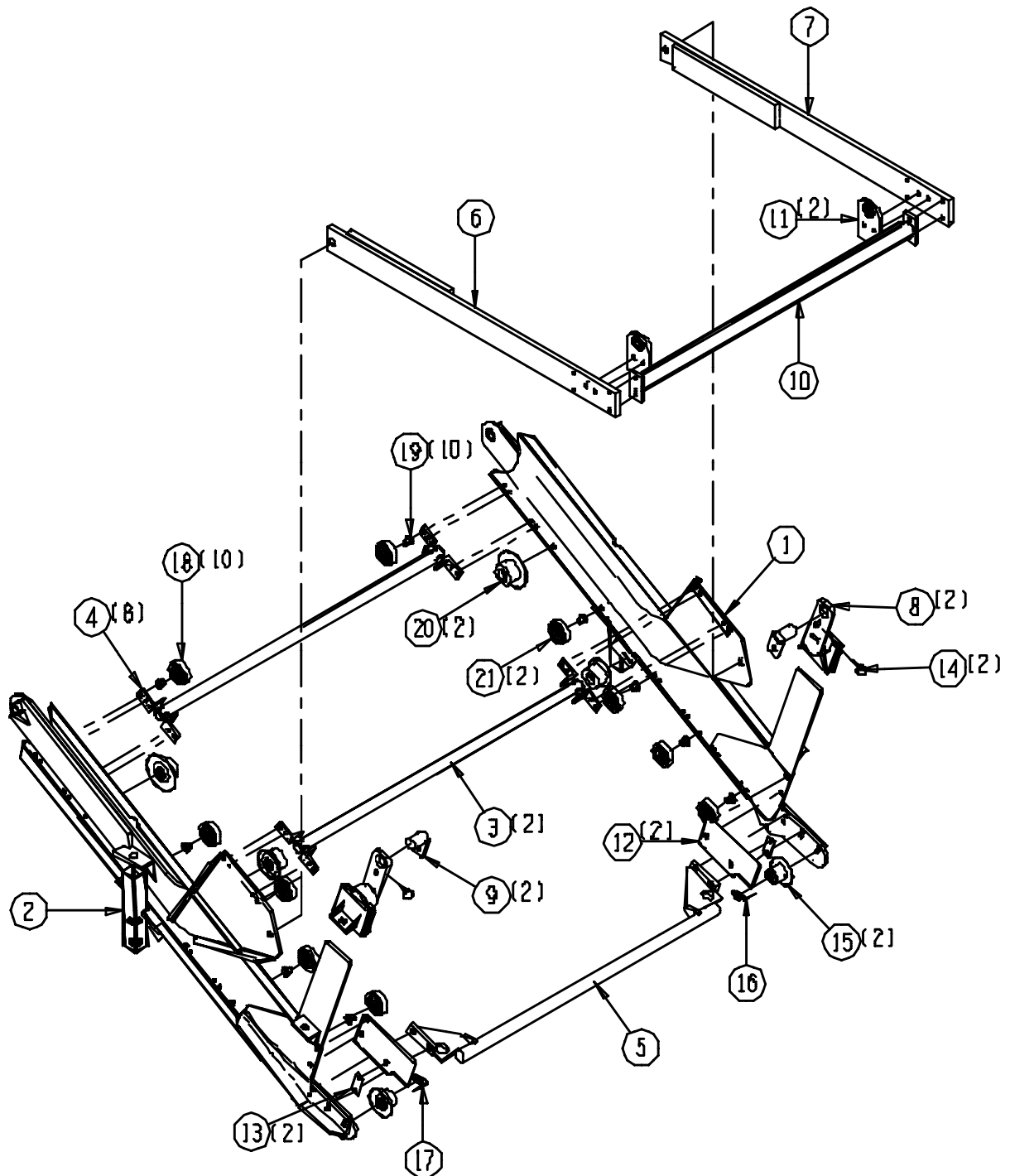
3104-2-7 DUAL HHC PARTS ASSEMBLY



3104-3-1 Primary Header Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-8527	Frame, Outside, Primary Header, HC290 -04 Tomato	1		
2	FRM-8528	Frame, Inside, Primary Header, HC290 -04 Tomato	1		
3	SUP-7203	Support, Cross Member, Primary Header, 3100	2		
4	BRA-3525	Bracket, Mount Support, Flex. Head	8	30097001-	
5	SUP-7204	Support, Mud Pusher, Primary Header, 3100	1		
6	BAR-7200	Bar, RH, Primary Header, 3100 Cucumber	1		
7	BAR-7201	Bar, LH, Primary Header, 3100 Cucumber	1		
8	MOU-7225	Mount, Adjuster, Primary Header, 3100 Cucumber	2		
9	PIN-3550	Pin, Quick Attach Header (Pickle)	2	30096001-	
10	SUP-7201	Support, AHHC, Primary Header, 3100 Cucumber	1		
11	SUP-8202	Support, Cyl Mnt, Disk Header, High Cap Tomato	2		
12	PL-8200	Plastic Shield, Primary Header, HC290 Tomato	2		
13	BAR-8525	Bar, Bolt-on, Primary Header, HC290 Tomato	2		
14	PIN-250L	1/4" Lynch Pin	2		
15	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	
16	RLA-3023-TM	Scraper for Nose Roller, RH	1	For use with RLS-522-2010-SC roller only	
17	RLA-3024-TM	Scraper for Nose Roller, LH	1	For use with RLS-522-2010-SC roller only	
18	RLR-040-108R	4" Flat Roller with Replaceable Bearings	10		
19	RLA-000-118	Standoff, 1/2" X 1 1/8"	10		
20	RLT-635-228	6 1/2" Flange Roller 2.2 WF 3.5 dia, 1/2" bore	2		
21	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	2		

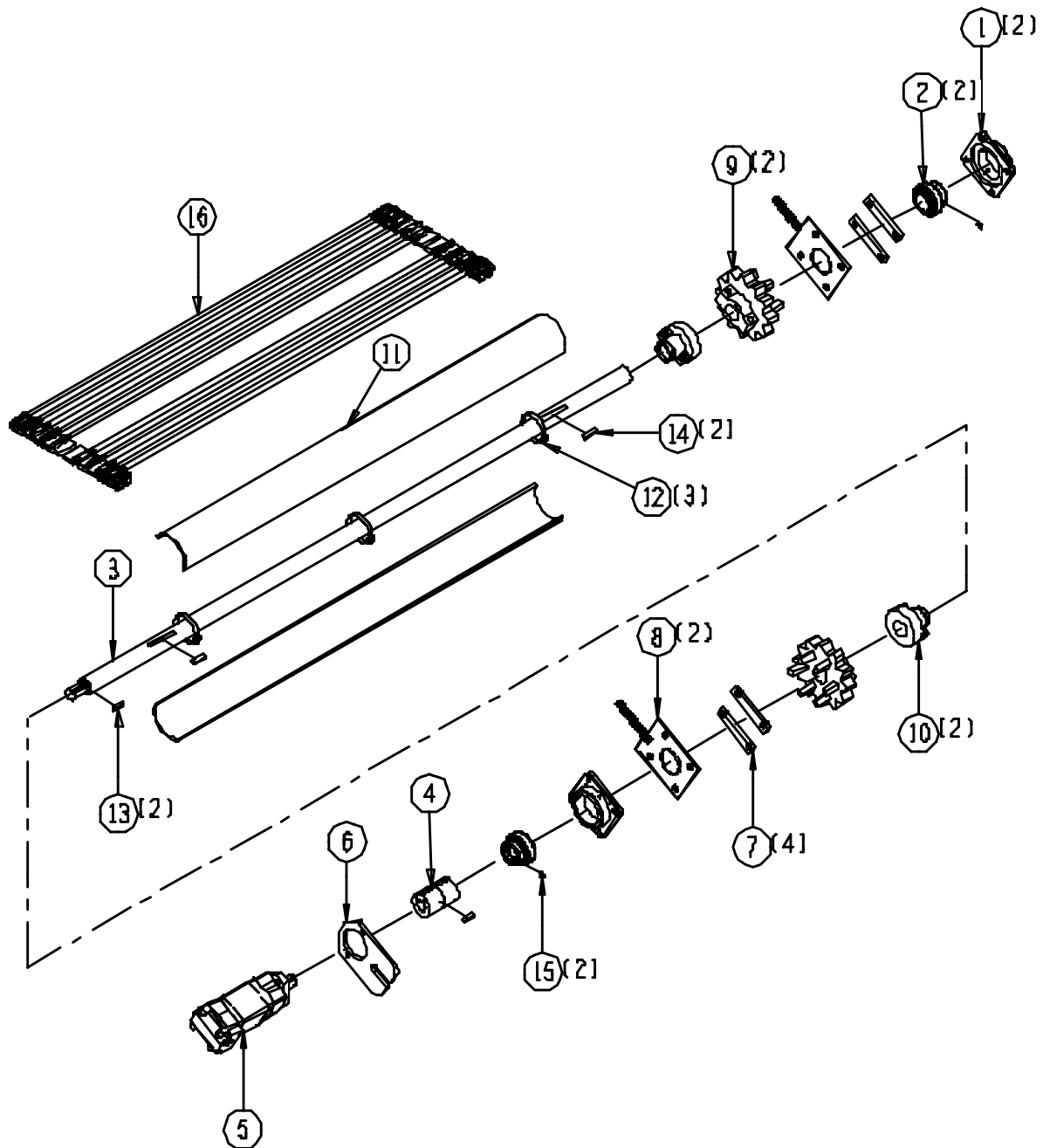
3104-3-1 PRIMARY HEADER ASSEMBLY



3104-3-2 Primary Header Drive Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BR-085-RCJ	RCJ Bearing Housing	2	11001	
2	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
3	SFT-7300	Shaft, Primary Header, Drive Shaft, 3100 Cucumber	1		
4	CPS-2820	Steel Coupler 1 3/4" x 1 1/4" ID with 3/8" Keyway on 1 3/4" ID	1		
5	HM-1420-CH	Char Lynn Motor	1		
6	ARM-7303	Arm, Mount, SAE A Two Bolt Motors, Cucumber	1		
7	BAR-3501	Bar, Tapped, Primary Header Drive (Pickle)	4	30096001-	
8	ADJ-3536	Adjuster, Dirt Gap, Prim. & Sec. Header (Pickle)	2	30096001-	
9	SPU-4210-28-6	42-10 Urethane Sprocket 1 3/4" bore 3/8" key	2		
10	PL-1419	Plastic, Molded Hub for Drive Drum, 1 3/4" bore	2		
11	PL-7300	Plastic, PVC Pipe, Header @ half, 3100 Cucumber Harvester	1		
12	CL-72	5" Gear Clamp	3		
13	KEY-5-5-20	Shaft Key 5/16" sq x 1 1/4" Square Cut (1018)	2		
14	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	2		
15	GF-1428	Grease Fitting 1/4" x 28 straight	2		
16	BC-8-6442-122	Primary Header Chain, 3100 Cucumber	1		

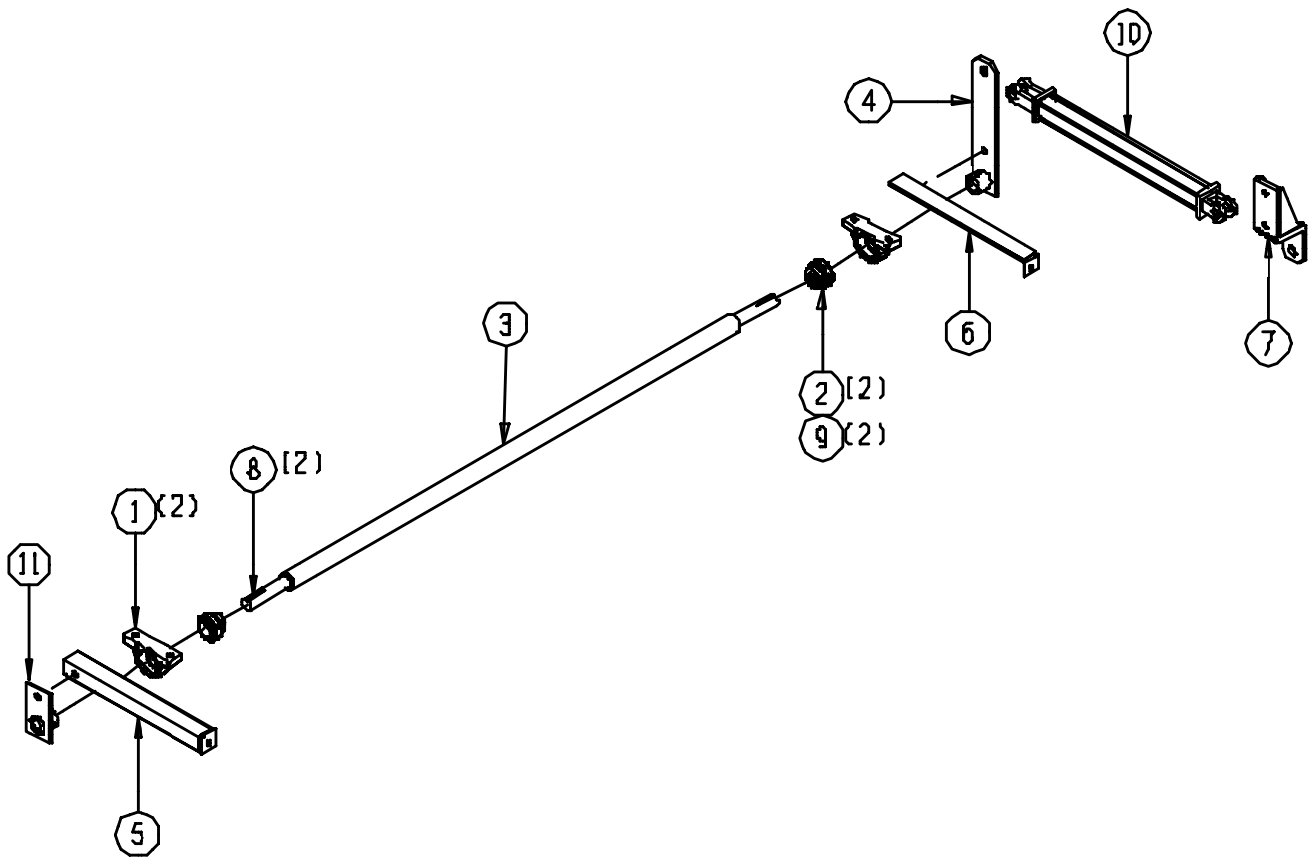
3104-3-2 PRIMARY HEADER DRIVE ASSEMBLY



3104-3-3 Hydraulic Dirt Gap Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BR-072-RAK	Bearing Housing	2		
2	BR-125-072	Bearing, 1 1/4 Fafnir tri-seal, 72mm OD	2		
3	SFT-7301	Shaft, Dirt Gap Adjuster, Header Conv, 3100	1		
4	ARM-7300	Arm, Dirt Gap Adjuster, 3100 Cucumber	2		
5	ARM-7301	Arm, Angle, Inside, Dirt Gap Adjuster, 3100	1		
6	ARM-7302	Arm, Angle, Outside, Dirt Gap Adjuster, 3100	1		
7	BRA-7301	Bracket, Dirt Gap, Cylinder Mount, 3100 Cucumber	1		
8	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	2		
9	GF-1428	Grease Fitting 1/4" x 28 straight	2		
10	HC-200-0808	Hydraulic Cylinder 2" x 8" #8 SAE Ports	1	19201- 20095001-	Same as sliding hitch
11	ARM-7304	Dirt Gap, Inner Adj. Arm	1		

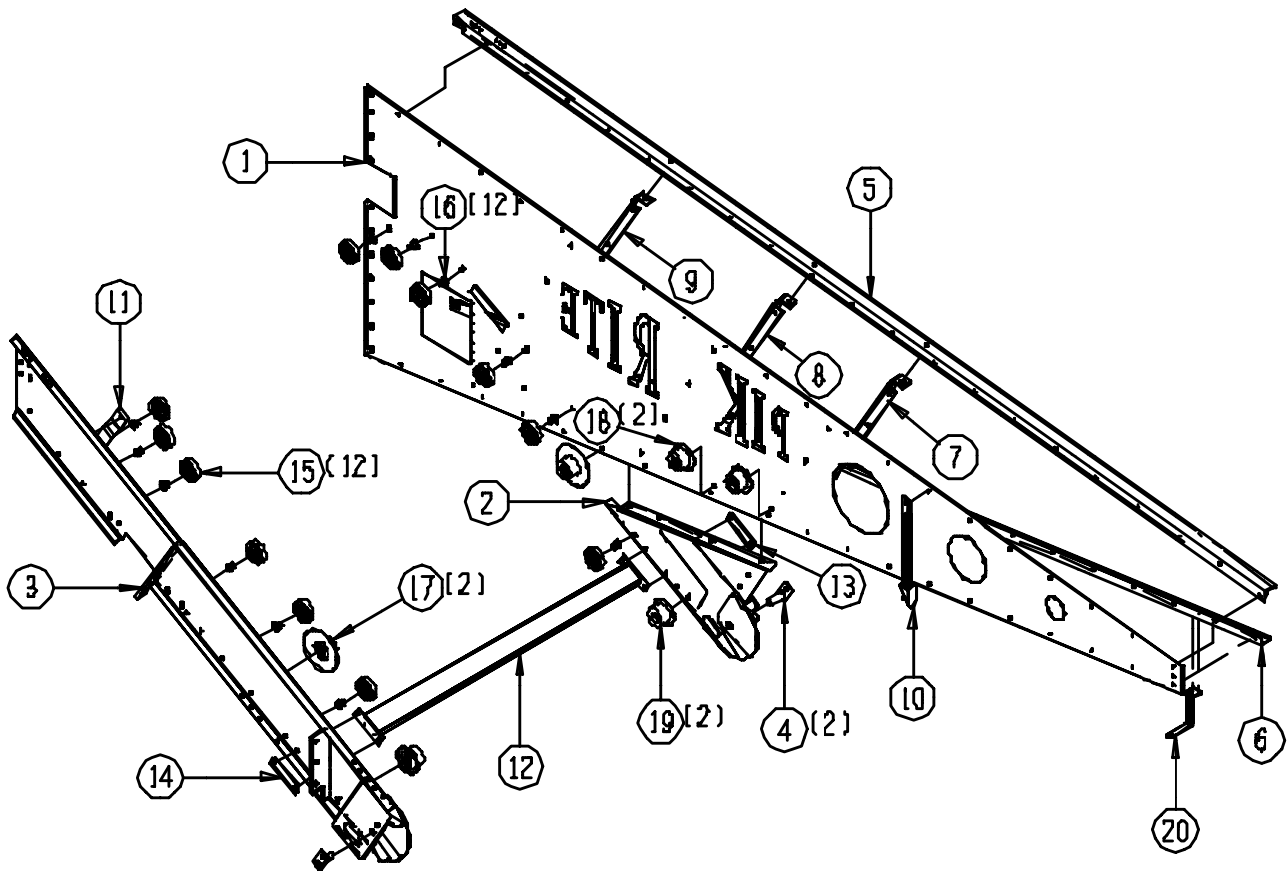
3104-3-3 HYDRAULIC DIRT GAP ASSEMBLY



3104-3-4 Secondary Header Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-7303	Panel, Outside, Secondary Header, 3100 Cucumber	1		
2	PAN-7304	Panel, Outside, Bottom, Secondary Header, 3100	1		
3	PAN-7305	Panel, Inside, Header Conv.Side, 3100 Cucumber	1		
4	PIN-8300	Pin, Secondary Header, High Cap. Tomato	2		
5	SUP-8300	Support, Top Angle, Header Panel, HC290	1		
6	SUP-8301	Support, Bottom Angle, Header Panel, HC290	1		
7	SUP-8302	Support, Front, Header Panel, HC290	1		
8	SUP-8303	Support, Middle, Header Panel, HC290	1		
9	SUP-8204	Support, Mud Pusher, Primary Header, HC290	1		
10	SUP-8250	Support, Oil Cooler/Compressor Mount, HC290	1		
11	BRA-8400	Bracket, Hold Up Rollers, HC290 Tomato	1		
12	BAR-7301	Bar, Tube Cross Member, 2ndary Header, 3100	1		
13	BAR-8302	Bar, Outside Support, Secondary Header, HC290	1		
14	BAR-8305	Bar, Inside, Support, 2ndary Header, HC290	1		
15	RLR-040-108R	4" Flat Roller with Replaceable Bearings	12		
16	RLA-000-118	Standoff, 1/2" X 1 1/8"	12		
17	RLT-835-228	8" Flange Roller 2.2 WF 3.5 dia, 1/2" Bore	2		
18	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	2		
19	RLT-535-228-SC	5" Flange Roller w/Shaft for Scraper 5/8" Bore	2		

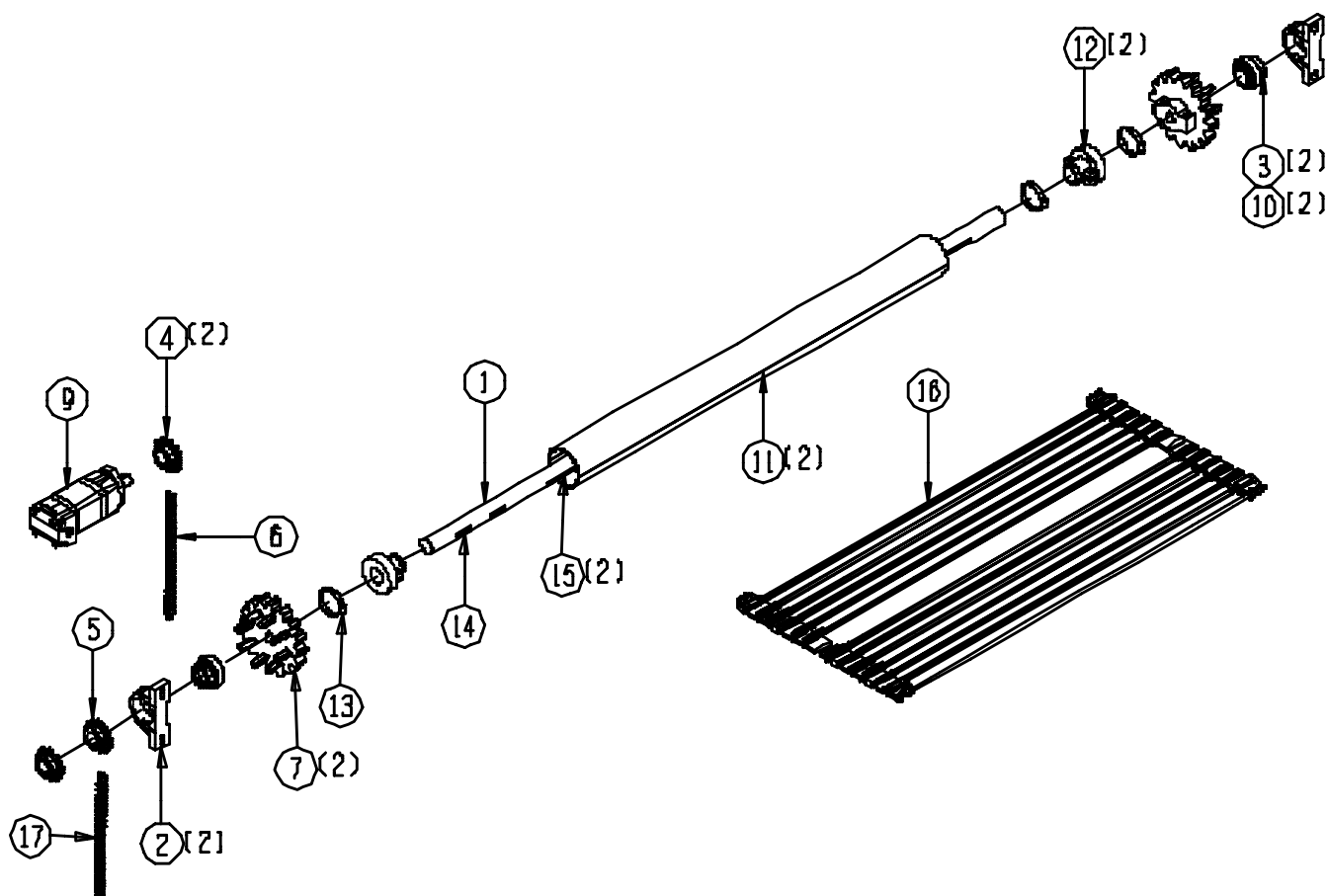
3104-3-4 SECONDARY HEADER ASSEMBLY



3104-3-5 Secondary Header Drive Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7200	Drive Shaft Secondary Header, 3100 Cucumber	1	SFT-7200	
2	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
3	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
4	SP-60B20-20-5	Sprocket, Header Drive (motor), #60, 20 tooth, 1.25" bore	2		
5	SP-50B16-28-6	Sprocket, #50, 16 tooth, 1.75" bore	1	11001	
6	CH-60H-53	Roller Chain, 53 pitches #60H Bin Chain Drive(Pickle)	1		
7	SP-4212-28-6-H	Sprocket, 12T Drive #4212 1 3/4" Bore Heat Treated	2		
9	HM-1420-CH	Char Lynn Motor	1		
10	GF-1428	Grease Fitting 1/4" x 28 straight	2		
11	PL-7300	Plastic, PVC Pipe, Header @ half, 3100 Cucumber Harvester	2		
12	PL-1419	Plastic, Molded Hub for Drive Drum, 1 3/4" bore	2		
13	CL-72	5" Gear Clamp	3		
14	KEY-6-6-16	Shaft Key 3/8" x 1 "	1		
15	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	2		
16	BC-8-6442-134	Secondary Header Chain, 3100 Cucumber	1		
17	CH-50-41	Roller Chain 41 pitches #50 w/master link	1		

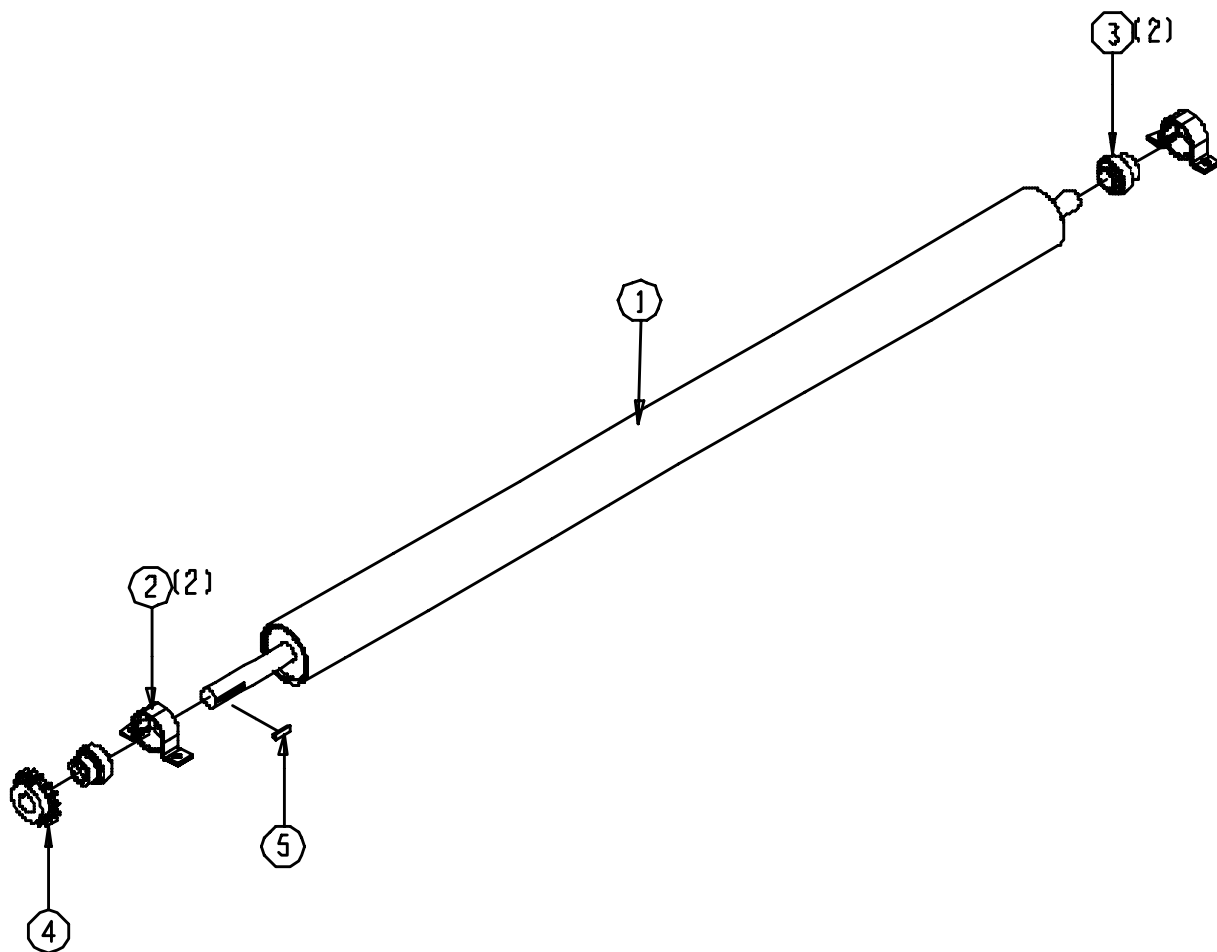
3104-3-5 SECONDARY HEADER DRIVE ASSEMBLY



3104-3-6 Secondary Header Return Roller Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7203	Pipe Roller Shaft, 3100 Cucumber Harvester	1		
2	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	4		
3	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
4	SP-50B16-20-4	Sprocket, #50, 16 tooth, 1.25" bore	1		
5	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		

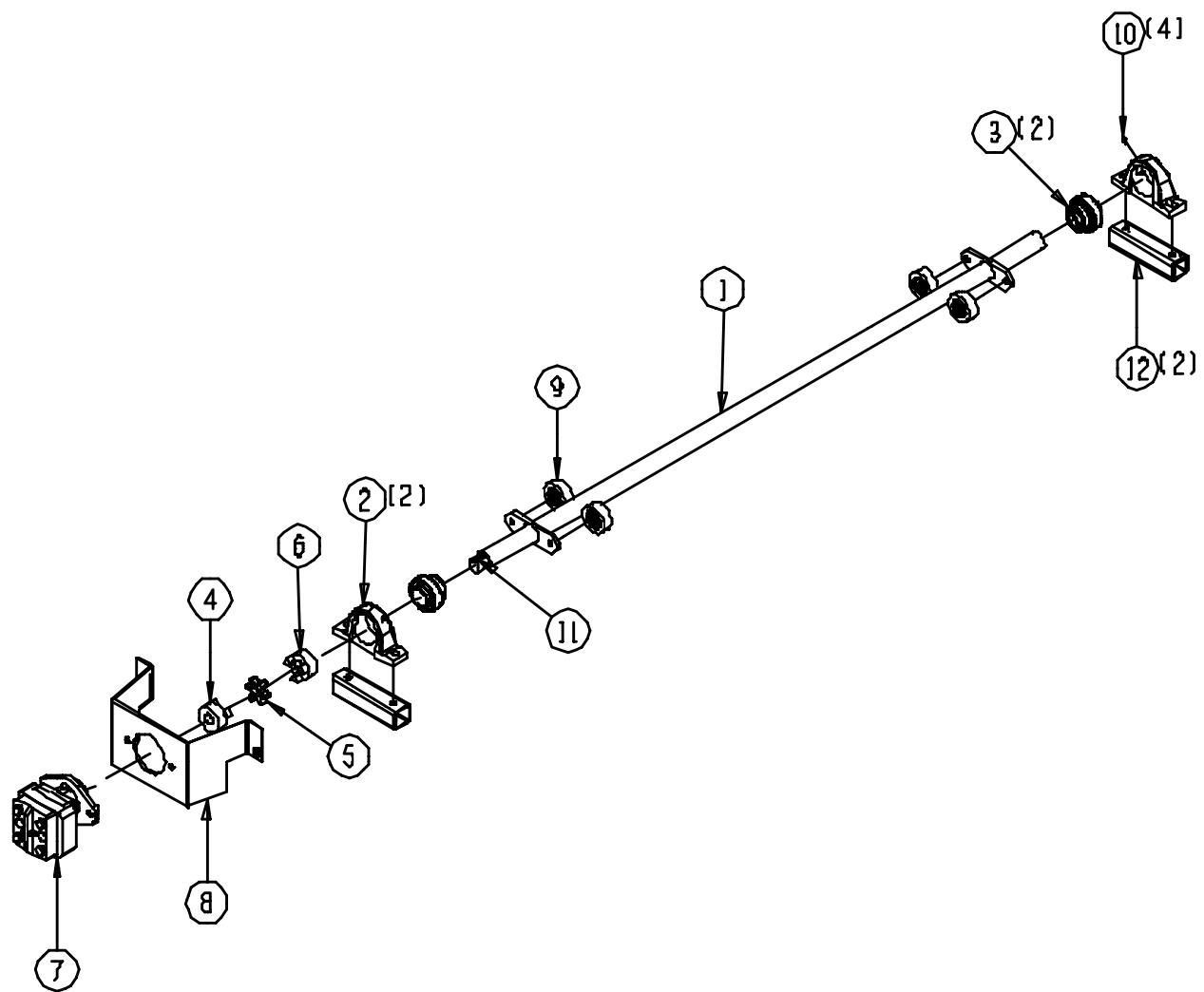
3104-3-6 SECONDARY HEADER RETURN ROLLER ASSEMBLY



3104-3-7 Secondary Header Dirt Vibrator Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7302	Vibrator Shaft, Header, Transfer, 3100 Cucumber	1		
2	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
3	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
4	CPJ-6051	Coupler, Motor Side 1in. bore	1	19101	Sub 194-6053
5	CPJ-6055	Coupler, Urethane Spider	1	19101	For use with CPJ-6052 and CPJ-6051 Sub CPS-6053
6	CPJ-6052	Coupler, Shaft side 1 1/4in. bore	1	19101	Sub 194-6053 Exept on Debris Fan
7	HM-115	Hydraulic Motor	1		
8	BRA-8106	Bracket, Motor Mount, Dirt Vibrator, HC290	1		
9	RLT-027-108	Roller 2.75" dia. 1/2" Bore	4		2755C1X (Old Number, Single Bearing)
10	GF-1428	Grease Fitting 1/4" x 28 straight	2		
11	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
12	SPA-2000	Spacer, Mount, Vine Chopper, 190 Tomato	2		

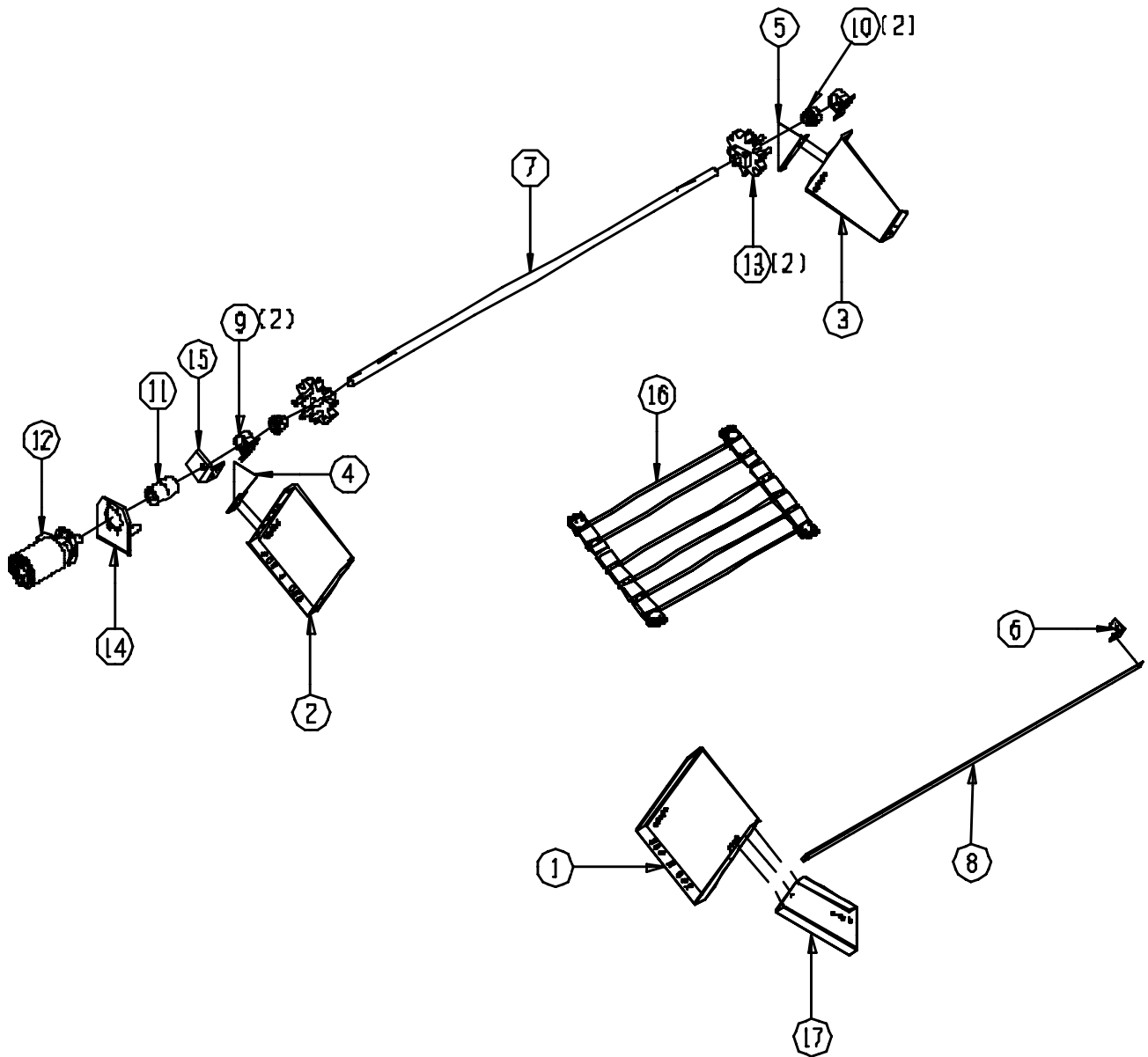
3104-3-7 SECONDARY HEADER DIRT VIBRATOR ASSEMBLY



3104-3-8 Header Vine Assist Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-1105	Panel, Weldment, Inner Forward, Vine Assist	1	Kit-0050	
2	PAN-1107	Panel, Weldment, Inner Rear, Vine Assist	1	Kit-0050	
3	PAN-8302	Panel Outer Rear, Vine Assist, High Cap. Tomato	1		
4	SHD-8301	Shield, Right Side, Vine Assist, HC290	1		
5	SHD-8302	Shield, Left Side, Vine Assist, HC290	1		
6	BRA-8303	Bracket, Cross Bar, Secondary Header, HC290	1	BRA-8303	
7	SFT-7303	Shaft, Vine Assist, 3100 Cucumber Harvester	1		
8	BAR-7303	Cross Support, 3100 Cucumber Harvester	1		
9	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2		
10	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
11	CPS-6057	Coupler, Solid, 1.25", Cucumber & Tomato	1		This Replaces CPS-6056.
12	HM-118R	Motor	1		
13	SPU-3610-20-4	Sprocket 36-10 1 1/4 bore 1/4" key urethane	2		
14	194-108	Disk Motor Mount	1		Available as update kit
15	BRA-1100	Bracket, Motor Mount, Vine Assist	1	Kit-0050	
16	BC-6-6472-93	Header Vine Assist Chain, 3100 Cucumber	1		
17	PAN-7200	Panel, Vine Assist, 3100 Cucumber	1		

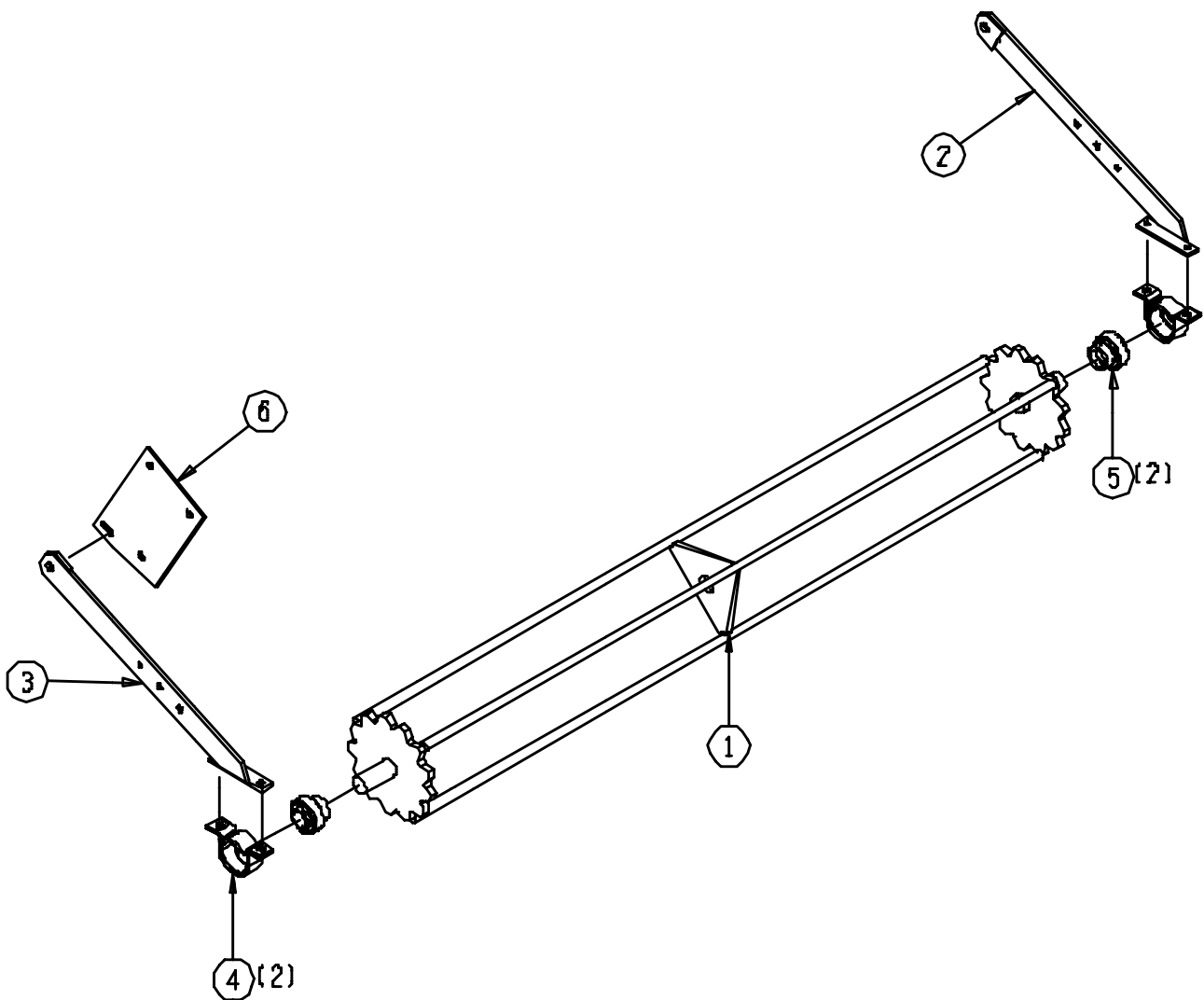
3104-3-8 HEADER VINE ASSIST ASSEMBLY



3104-3-9 Optional Header Bar Cleaner Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BAR-7302	Bar, Rod Cleaner, 42mm X 64" Wide Chain, 3100	1		
2	192-362A	Chain cleaner bar (Left)	1	19101-	
3	192-362B	Chain cleaner bar (Right)	1	19101	
4	BR-062-MPB	Stamped Bearing Housing for 1 1/4" bearing	2		
5	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
6	192-163	Cleaner bar bracket	1	19101-	

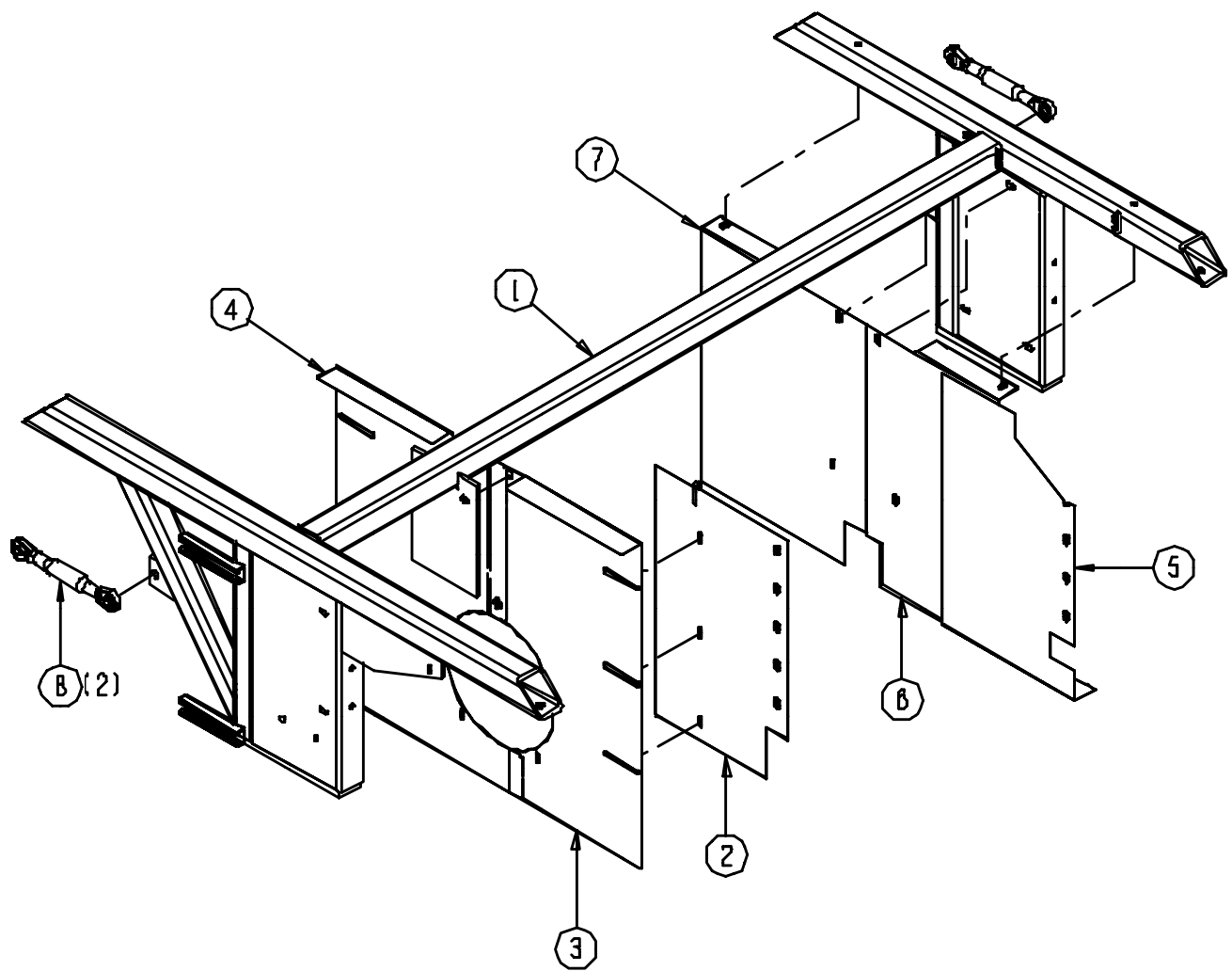
3104-3-9 OPTIONAL HEADER BAR CLEANER ASSEMBLY



3104-4-1 Primary Shaker Housing Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-7415	Frame, Primary Shaker, 3100 Cucumber Machine	1		
2	PAN-8404	Panel, Top Front Inside, Shaker, HC290	1		
3	PAN-8405	Panel, Inside Middle, Shaker, HC290	1		
4	PAN-8406	Panel, Inside Rear, Shaker, HC290	1		
5	PAN-8408	Panel, Outside Front, Shaker, HC290	1		
6	PAN-8409	Panel, Outside Middle, Shaker, HC290	1		
7	PAN-8410	Panel, Outside Rear, Shaker, HC290	1		
8	TL-03470	Top Link, Category "0"	2		
9	ADJ-7400	Adjuster, Shaker Frame, 3100 Cucumber Harvester	2		

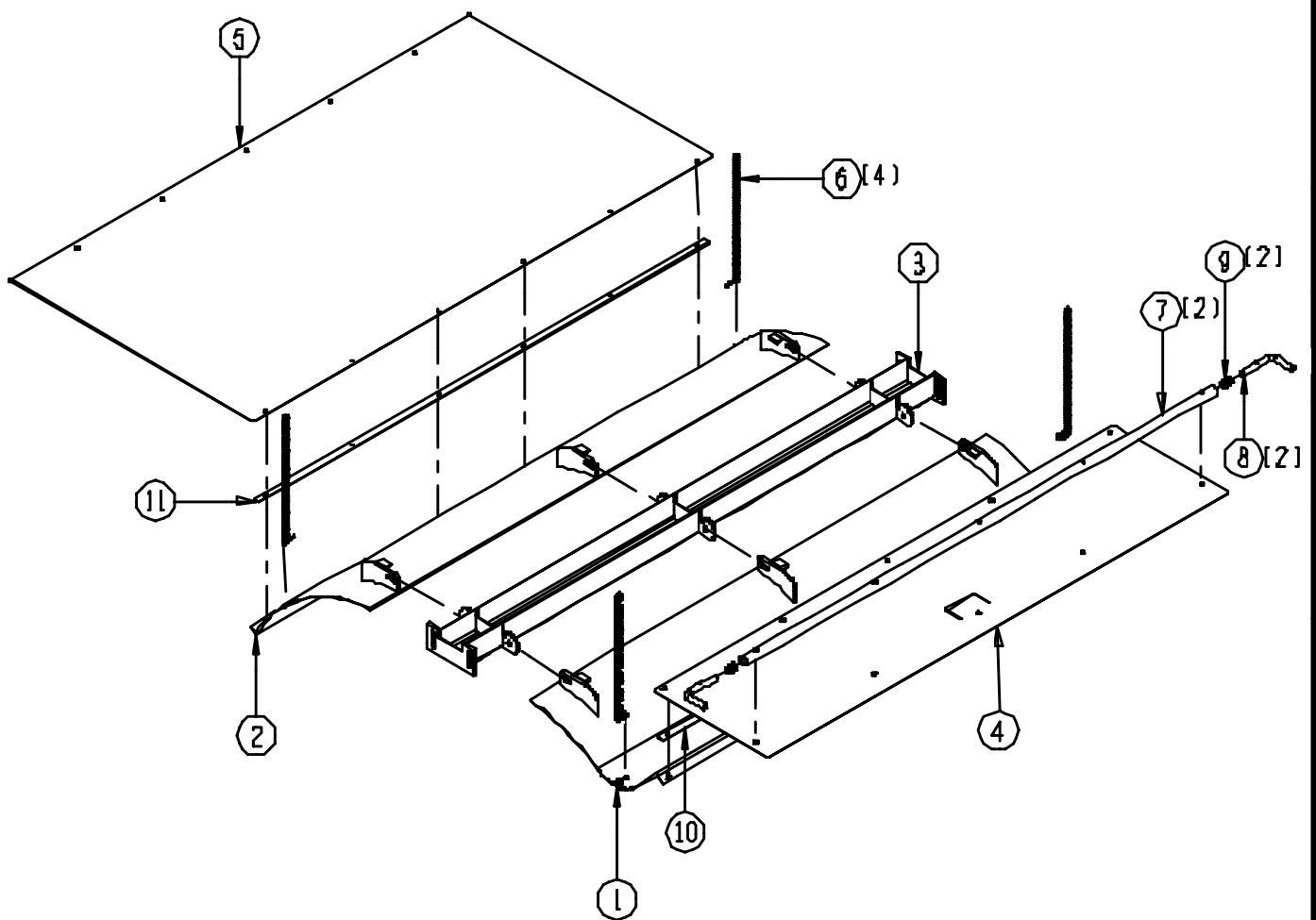
3104-4-1 PRIMARY SHAKER HOUSING ASSEMBLY



3104-4-2 Primary Shaker Cover & Shield

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	COV-7403	Shaker Cover, Back, 3100 Cucumber Harvester	1		
2	COV-7404	Shaker Cover Front, 3100 Cucumber Harvester	1		
3	SUP-7403	Shaker Shields Support, 3100 Cucumber Harvester	1		
4	BT-7403	Belting	1		
5	BT-7401	Belting, 3100 Cucumber Harvester	1		
6	CH-3-16	3/16 Link Chain 16 Links	4		
7	SUP-7402	Support, Pipe, 3100 Cucumber Harvester	2		
8	PIN-8400	Pin, Shaker Shield, Primary Shaker, HC290	2		
9	SPRG-12-10-100L	3/4 Od x 5/8 Id x 1-1/4" Light Duty Spring	2		
10	BAR-7404	Bar, Belting Backing, 3100 Cucumber Harvester	1	BAR-7404	
11	BAR-7403	Rear Belting Bar, 3100 Cucumber Harvester	1		

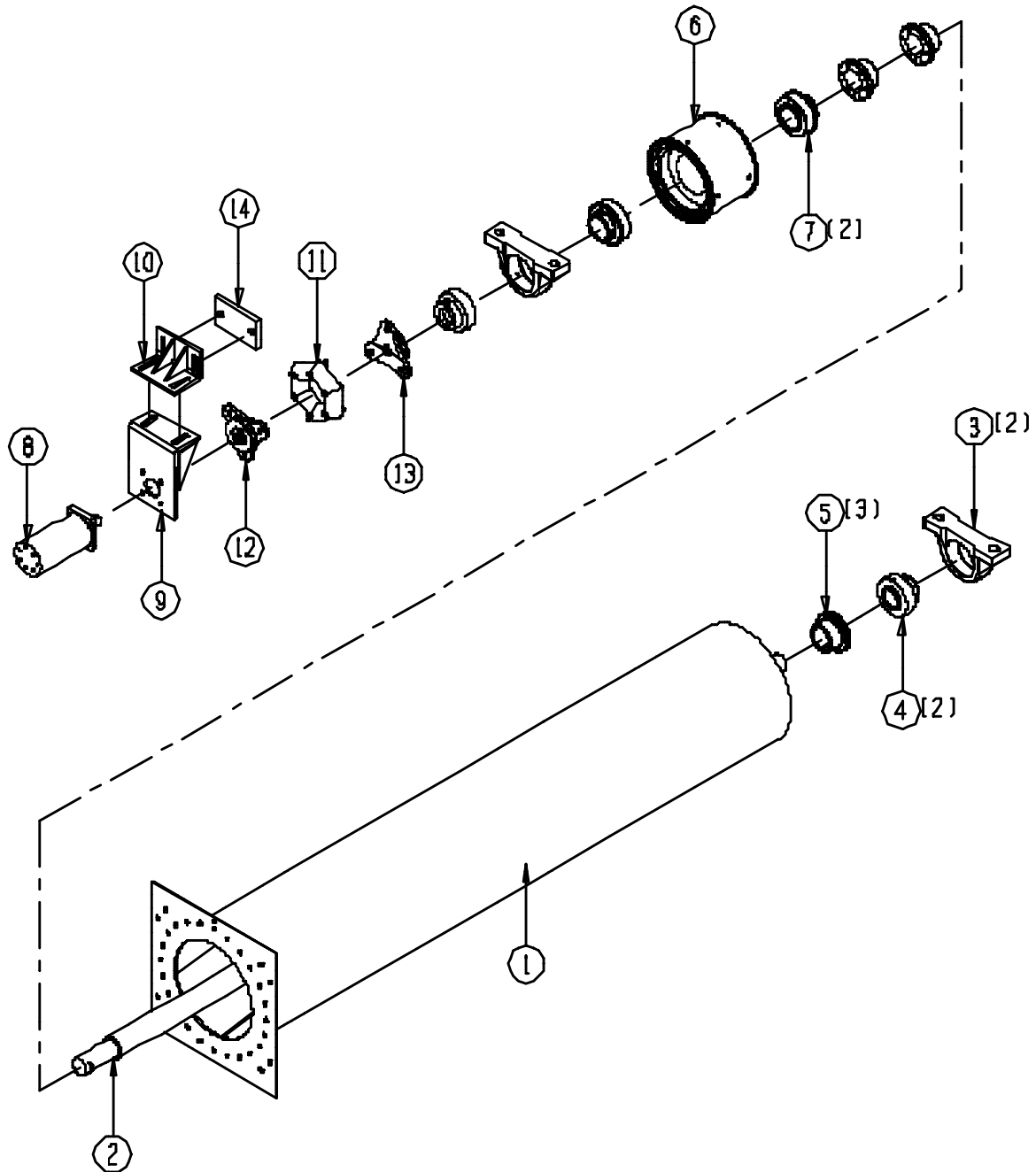
3104-4-2 PRIMARY SHAKER COVER & SHIELD



3104-4-3 Primary Shaker Drum Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SHA-7400	Shaker, 3100 Cucumber Harvester	1		
2	SFT-7400	Center Shaft, Shaker, 3100 Cucumber Harvester	1	SFT-7400	
3	BR-100-RAK	2" Bearing Housing	2	11001	
4	BR-175-100	Heavy Duty I 3/4" Bearing	2		
5	PU-SK-35	Bushing, SK x 2 3/16"	3		
6	PU-80-8M-525-2BO	Pulley, 2 & 2-3/16 Sfts., 5-1/2 Wide for Panther Belts	1		
7	BR-35-ER	Bearing, 2 3/16" ER	2		
8	HM-103-TC	TCI Motor	1		
9	194-416	Mount, Shaker Rotation Motor	1	19101	For use with 194-416a
10	194-416A	Mount, Shaker Rotation Motor	1	19101-	For use with 194-416
11	CPR-422-18	Lovejoy Donut W/ Hardware	1		
12	CPR-422C-18	Coupler, Shaker Side, Weldment	1	30095001-	
13	CPR-422D-18	Coupler, Shaker, Motor Side, 1" Shaft	1	30095001-	
14	SPA-8401	Spacer, Rotation Mount, Pri Sha, HC290	1		

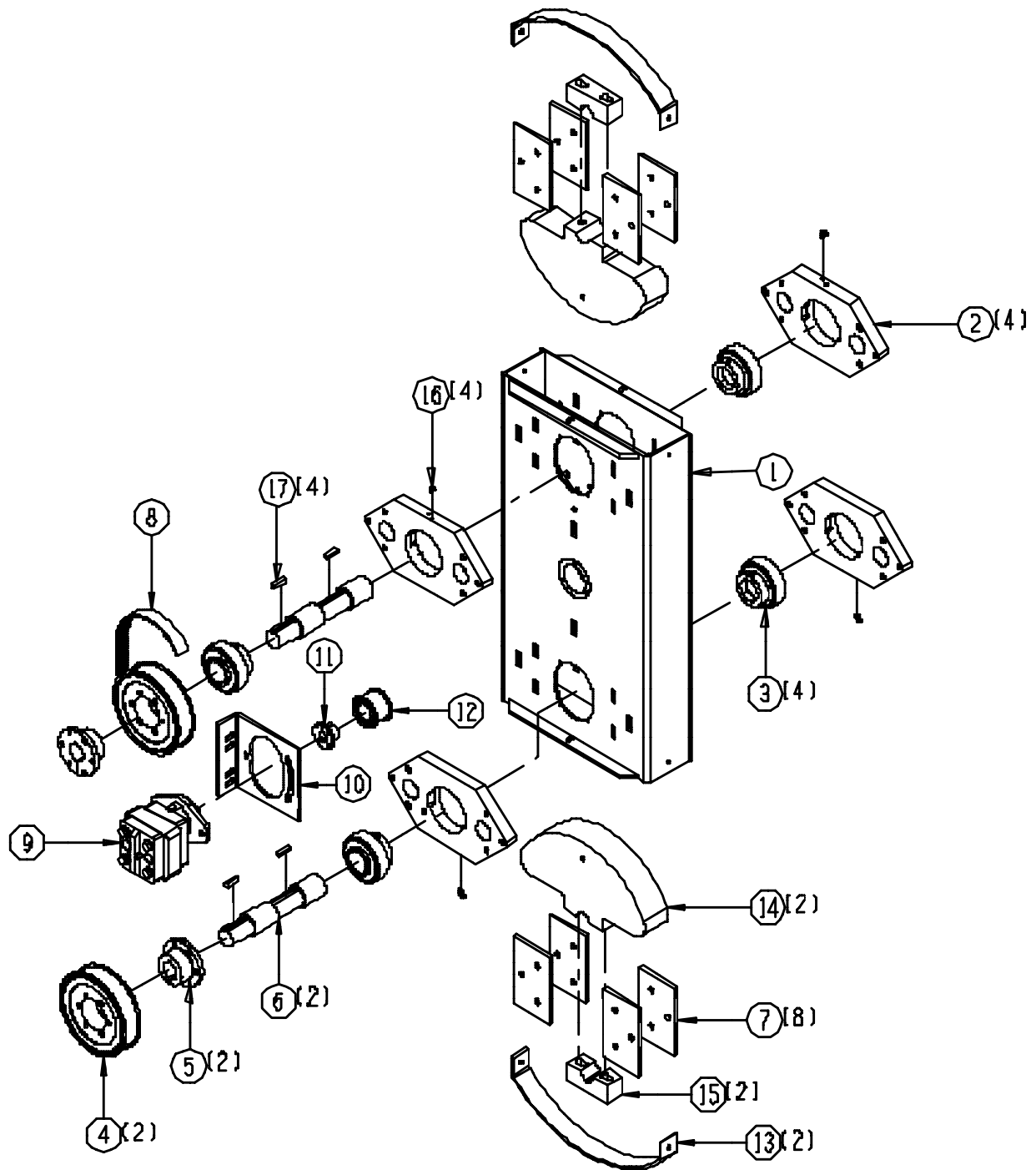
3104-4-3 PRIMARY SHAKER DRUM ASSEMBLY



3104-4-4 Primary Shaker Weight & Box Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SHA-7402	Shaker Box, 3100 Cucumber Harvester	1		
2	BR-120-120F	Bearing Holder	4		
3	BR-203-120	Heavy Duty 2 3/16" Bearing	4		
4	PU-80-8PTH-35-SF	Primary Weight Pulley, 35mm Wide, Panther Style	2		
5	PU-SF-28	Bushing, SF x 1 3/4"	2		
6	SFT-2316	Shaft, Weight, For 2 3/16 Bearing	2		
7	BAR-7402	Bar, Shaker Weight Box, 3100 Cucumber Harvester	8		
8	BT-1280PTH8M-35	Primary Weight Drive Belt, 35 mm Wide, Panther Style	1		
9	HM-412C	Hydraulic Motor	1	19101	Sub 191-412
10	110-515	Mount, Weight Motor	1	19101-	
11	PU-28-PTH-35	Panther Sprocket, 8mm Pitch, 28 Tooth, 35mm Wide	1		
12	PU-QT-14	QT Bushing, 7/8 bore, 1/4 keyway	1		
13	193-403	Shaker, Weight guards	2		
14	WGT-402	Weight, Primary Shaker	2		
15	WGT-402C	Cap, Primary & Secondary Shaker Weight	2		
16	GF-1428-90	Grease Fitting 1/4" x 28 90	4		
17	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	4		

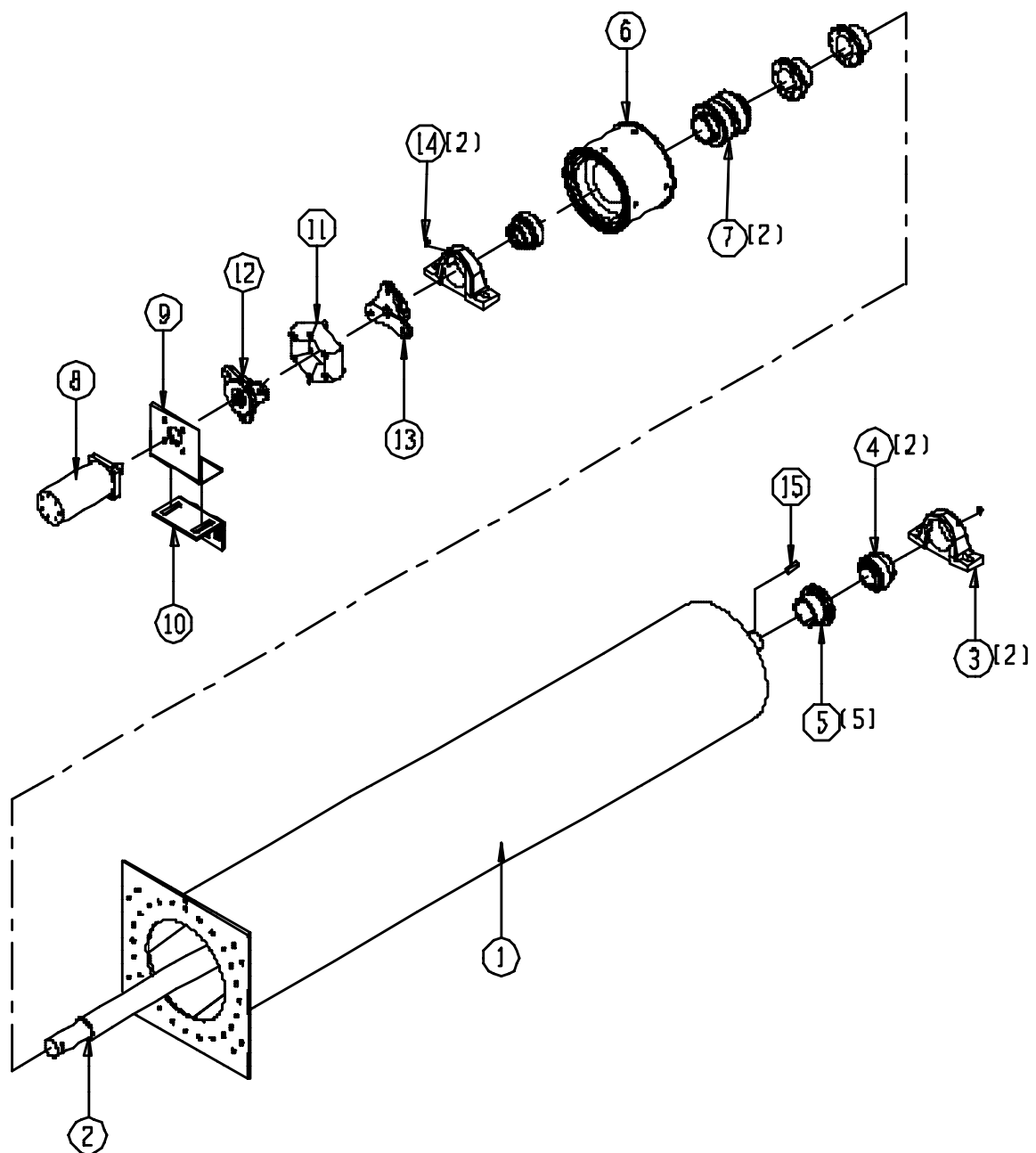
3104-4-4 PRIMARY SHAKER WEIGHT & BOX ASSEMBLY



3104-4-5 Secondary Shaker Drum Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SHA-7400	Shaker, 3100 Cucumber Harvester	1		
2	SFT-7400	Center Shaft, Shaker, 3100 Cucumber Harvester	1	SFT-7400	
3	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
4	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
5	PU-SK-35	Bushing, SK x 2 3/16"	3		
6	PU-80-8m-525-2bo	Pulley, 2 & 2-3/16 Sfts., 5-1/2 Wide for Panther Belts	1		
7	BR-35-ER	Bearing, 2 3/16" ER	2		
8	HM-204-TC	TCI Motor	1		
9	194-416	Mount, Shaker Rotation Motor	1	19101	For use with 194-416a
10	194-416A	Mount, Shaker Rotation Motor	1	19101-	For use with 194-416
11	CPR-422-18	Lovejoy Donut W/ Hardware	1		
12	CPR-422C-18	Coupler, Shaker Side, Weldment	1	30095001-	
13	CPR-422D-18	Coupler, Shaker, Motor Side, 1" Shaft	1	30095001-	
14	GF-1428	Grease Fitting 1/4" x 28 straight	2		
15	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	1		

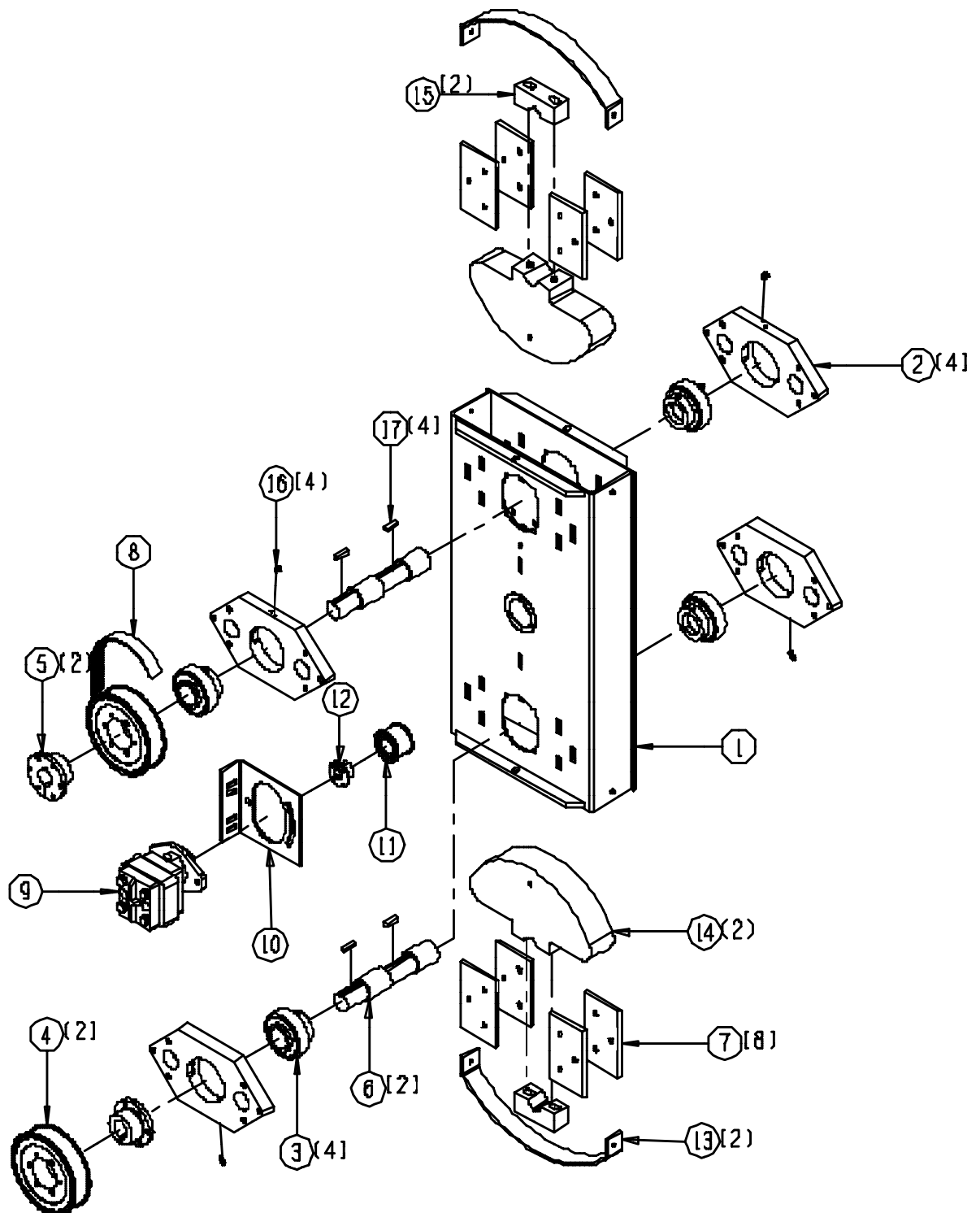
3104-4-5 SECONDARY SHAKER DRUM ASSEMBLY



3104-4-6 Secondary Shaker Weight & Box Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SHA-7402	Shaker Box, 3100 Cucumber Harvester	1		
2	BR-120-120F	Bearing Holder	4		
3	BR-203-120	Heavy Duty 2 3/16" Bearing	4		
4	PU-80-8PTH-35-SF	Primary Weight Pulley, 35mm Wide, Panther Style	2		
5	PU-SF-28	Bushing, SF x 1 3/4"	2		
6	SFT-2316	Shaft, Weight, For 2 3/16 Bearing	2		
7	BAR-7402	Bar, Shaker Weight Box, 3100 Cucumber Harvester	8		
8	BT-1280PTH8M-35	Primary Weight Drive Belt, 35 mm Wide, Panther Style	1		
9	HM-412C	Hydraulic Motor	1	19101	Sub 191-412
10	110-515	Mount, Weight Motor	1	19101-	
11	PU-28-PTH-35	Panther Sprocket, 8mm Pitch, 28 Tooth, 35mm Wide	1		
12	PU-QT-14	QT Bushing, 7/8 bore, 1/4 keyway	1		
13	193-403	Shaker, Weight guards	2		
14	WGT-402	Weight, Primary Shaker	2		
15	WGT-402C	Cap, Primary & Secondary Shaker Weight	2		
16	GF-1428-90	Grease Fitting 1/4" x 28 90	4		
17	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	4		

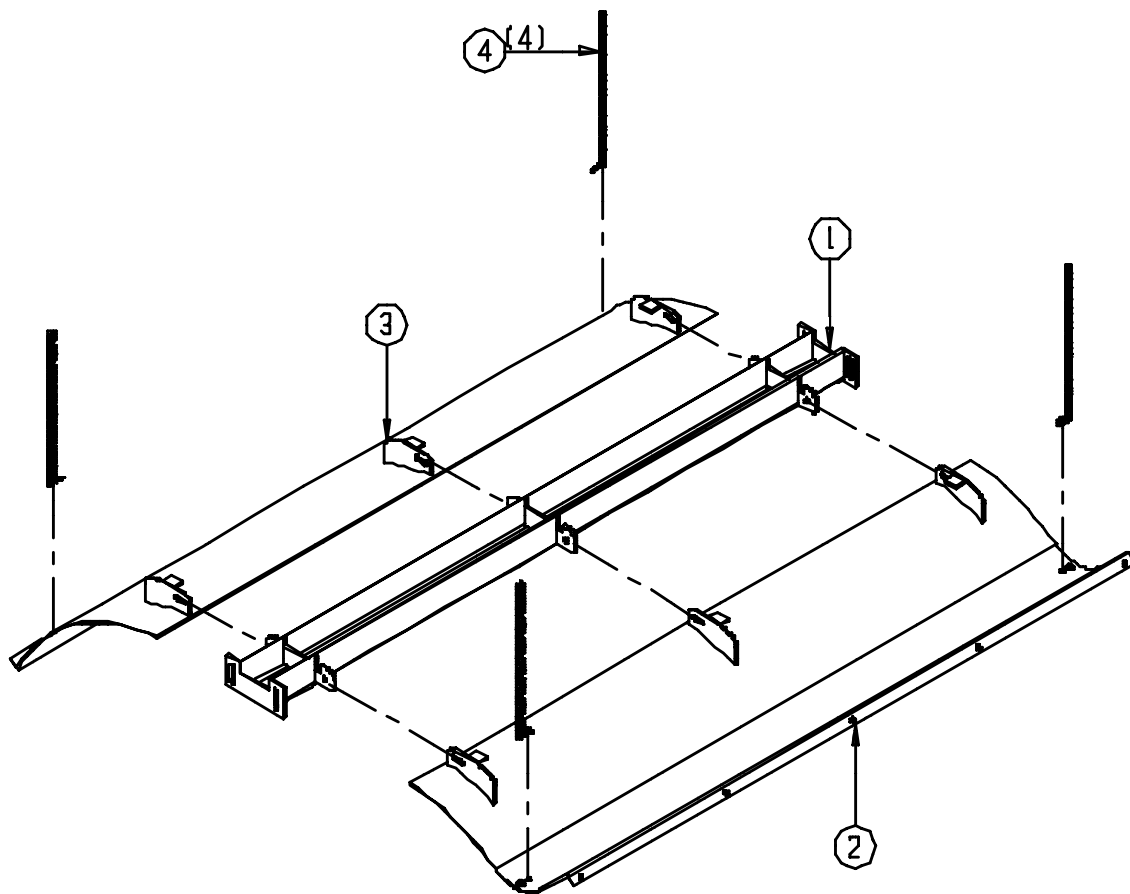
3104-4-6 SECONDARY SHAKER WEIGHT & BOX ASSEMBLY



3104-4-7 Secondary Shaker Cover Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SUP-7403	Shaker Shields Support, 3100 Cucumber Harvester	1		
2	COV-7403	Shaker Cover, Back, 3100 Cucumber Harvester	1		
3	COV-7404	Shaker Cover Front, 3100 Cucumber Harvester	1		
4	CH-3-16	3/16 Link Chain 16 Links	4		

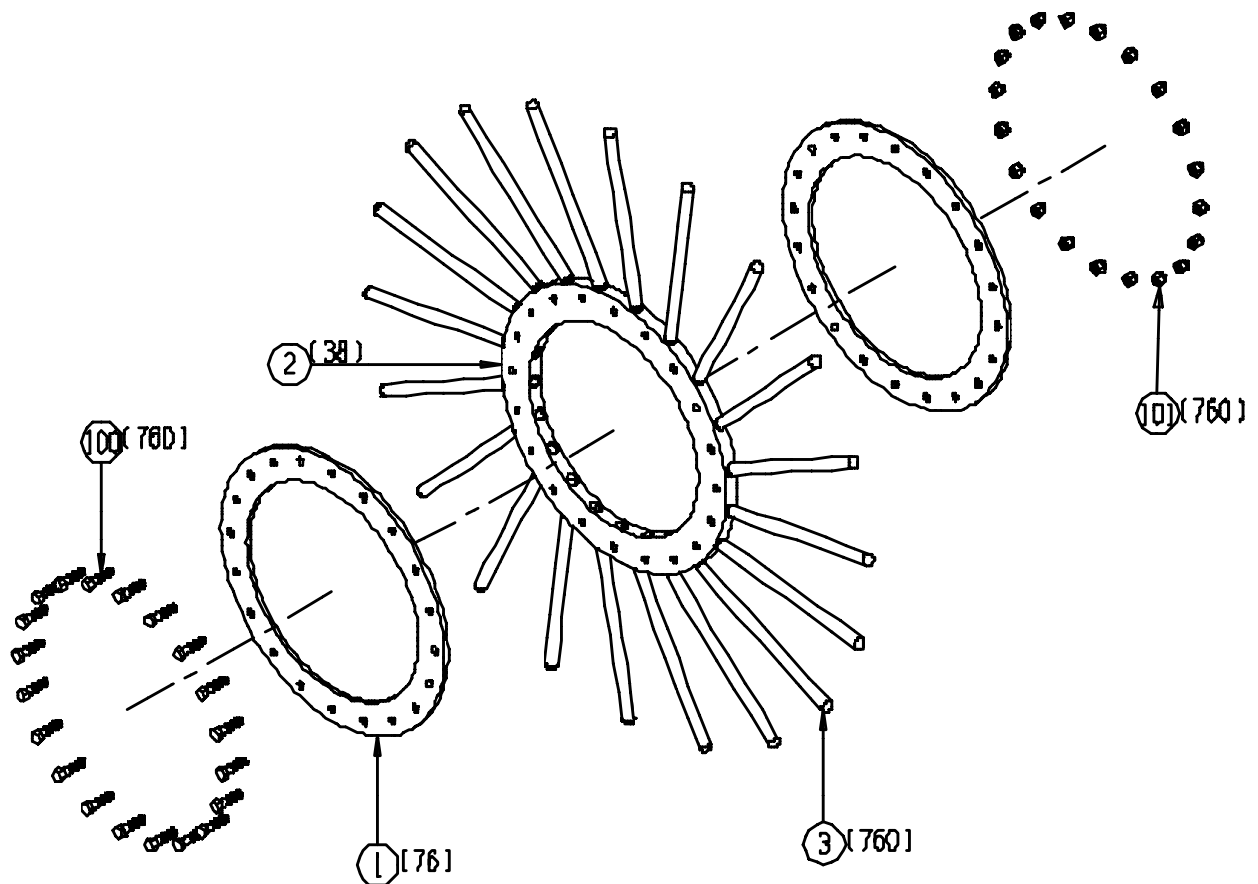
3104-4-7 SECONDARY SHAKER COVER ASSEMBLY



3104-4-8 Shaker Ring & Finger Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	191-432	Tine Holder Flanges	76	11001- 30095001-	
2	192-431	Moulded Rubber Tine Holders	38	19101- 30095001-	
3	ST-430-P	Shaker Tines , Molded Urethane	760		
100	BL-6-150-H	3/8-16 X 1 1/2 HEX CAP G5 ZC	760		
101	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	760		

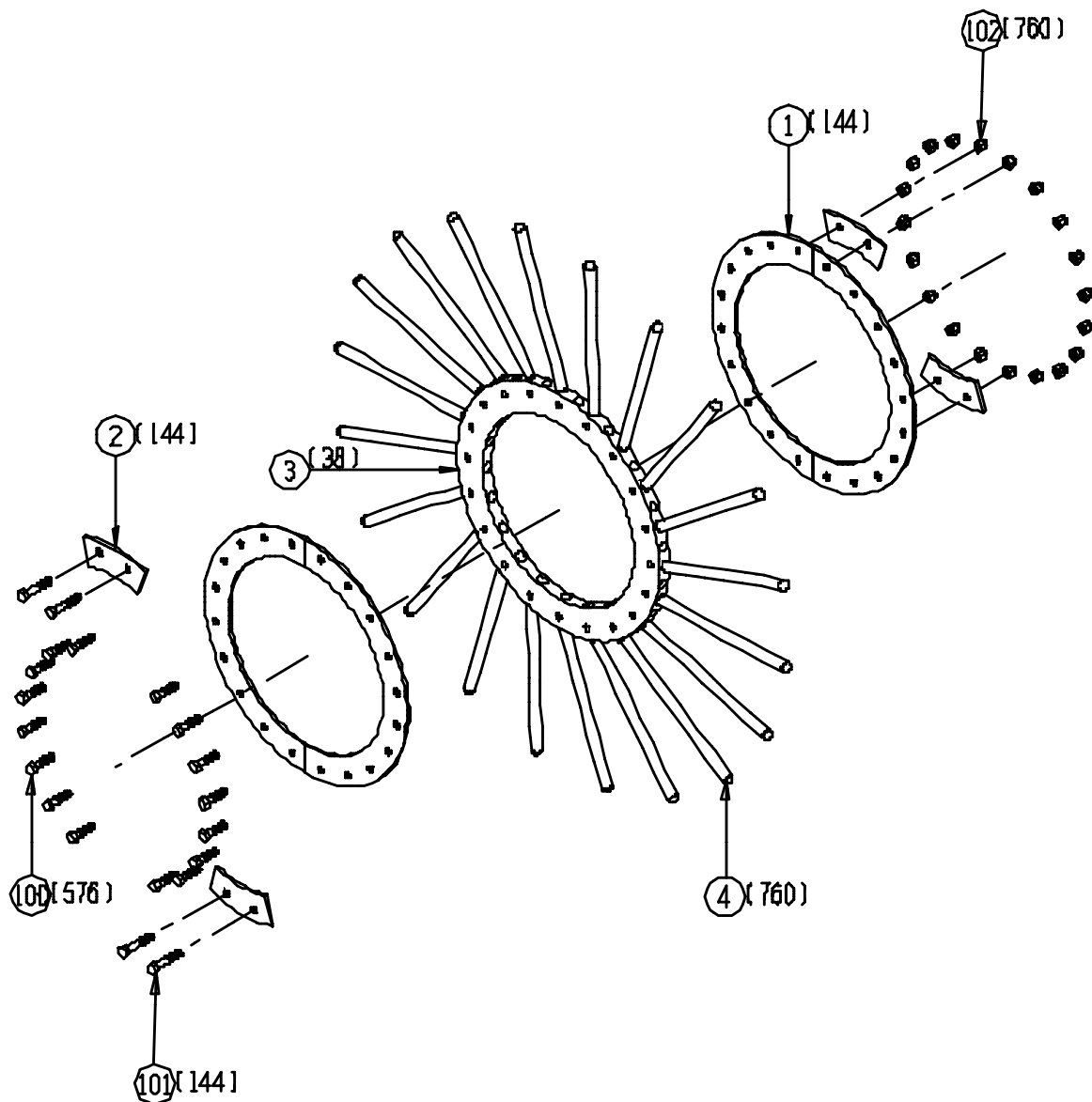
3104-4-8 SHAKER RING & FINGER ASSEMBLY



3104-4-9 Optional Half Ring & Finger Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	191-432A	Half flanges	144		
2	191-432B	Connecting Bar, Shaker Ring Half-Flange	144		
3	192-431	Moulded Rubber Tine Holders	38	19101- 30095001-	
4	ST-430-P	Shaker Tines , Molded Urethane	760		
100	BL-6-150-H	3/8-16 X 1 1/2 HEX CAP G5 ZC	576		
101	BL-6-200-H	3/8-16 X 2 HEX CAP G5 ZC	144		
102	BL-6-LN	3/8 UNC FIN HEX LOCK NUT NE A563 GrA ZINC	760		

3104-4-9 OPTIONAL HALF RING & FINGER ASSEMBLY

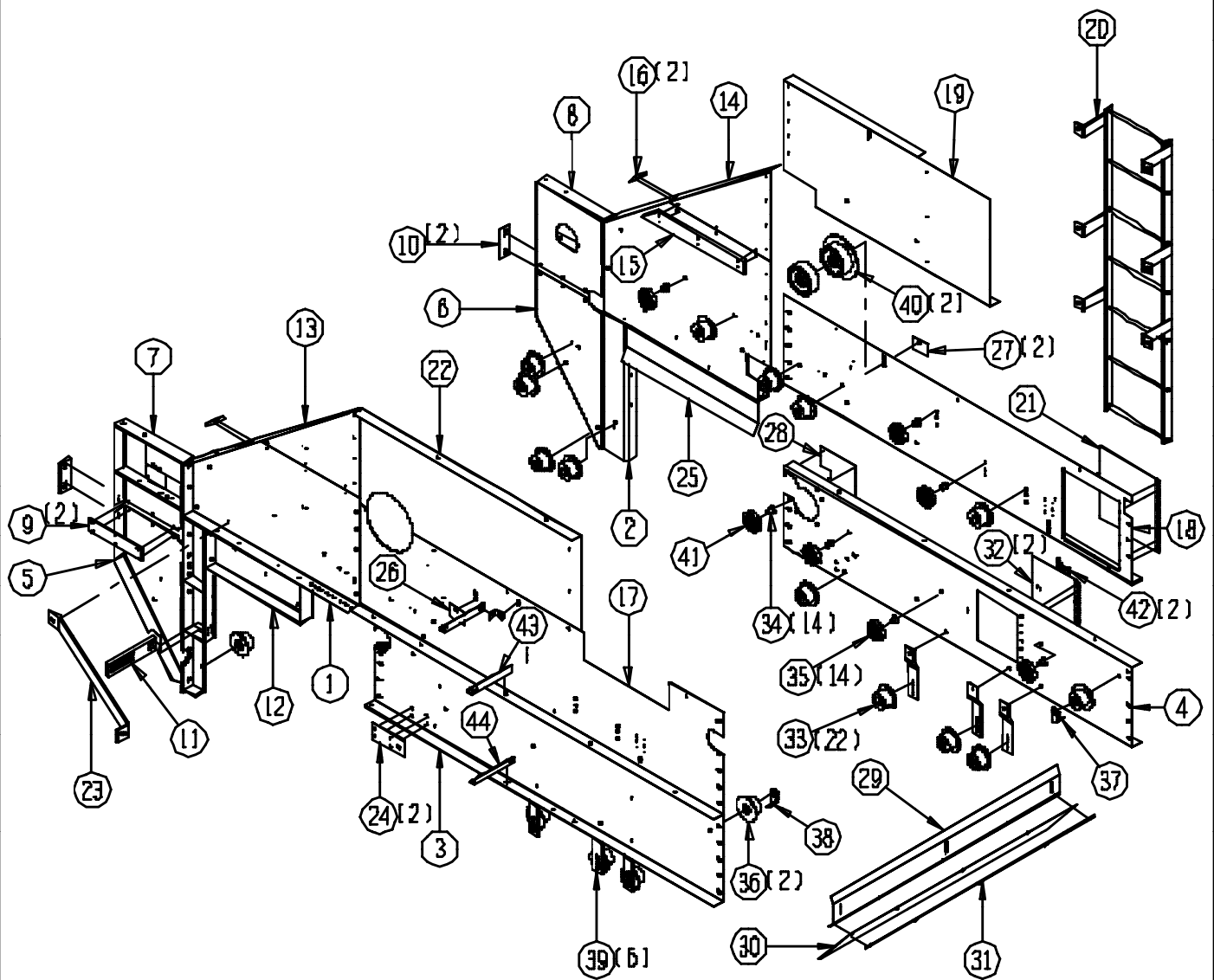


3104-5-1 Shaker Chamber Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-7451	Rear Transfer Panel, 3100 Cucumber Harvester	1		
2	PAN-7450	Shaker Panel, Inside, Above Rear Cross, Cuc	1		
3	PAN-7400	Shaker Panel, Bottom, Inside, Cuc	1		
4	PAN-7401	Outer Transfer Shield, 3100 Cucumber Harvester	1		
5	PAN-7452	Rear Inner Panel, 3100 Cucumber Harvester	1		
6	PAN-7453	Outer Rear Panel, 3100 Cucumber Harvester	1		
7	PAN-7454	Panel, 3100 Cucumber Harvester	1		
8	PAN-7455	Shaker Panel, Oustside, Above Rear Cross, Cuc	1		
9	BAR-7452	Rear Vine Chain, 3100 Cucumber Harvester	2		
10	BAR-7453	BAR, Vine Chain, 3100 Cucumber Harvester	2		
11	BAR-7454	Bar, Debri Belt Mount, 3100 Cucumber Harvester	1		
12	PAN-7456	Panel, 3100 Cucumber Harvester	1		
13	SID-8451	Side, Top Panel, Inner Shaker, HC290	1		
14	SID-8450	Side, Top Panel, Outer Shaker, HC290	1		
15	BAR-8506	Bar, Cross Conveyor, HC290	1		
16	BAR-1861	Bar, Roller Backing Plate	1		
16	BAR-8507	Bar, Cross Conv. HC290	2		
17	PAN-8403	Panel, Middle, Inside, Shaker Chamber, High Cap	1		
18	PAN-8402	Panel, Outr, Middle, Shakr Chambr, High Cap Tom	1		
19	PAN-8411	Panel, Outer Top, Sec. Shaker, HC290	1		
20	STD-8400	Stand, Service Ladder, Left HC290	1		
21	SHD-8404	Shield, Access, Transfer, HC290 Tomato	1		
22	PAN-8407	Panel, Inner Top, Sec. Shaker, HC290	1		
23	BAR-7455	Bar, Support, 3100 Cucumber Harvester	1		
24	BAR-7456	Bar, Back Support on Panel, Debris Fan, 3100	2		
25	PAN-7457	Panel, Rear Outer Transfer, 3100 Cucumber Harvester	1		
27	BAR-8404	Bar, Support, Bouncer Roller, HC290 Tomato	2		
28	PAN-7404	Panel, 3100 Cucumber Harvester	1		
29	SCR-7400	Scraper Header Return Ruler, 3100 Harvester	1		
30	BT-7402	Belting, 3100 Cucumber Harvester	1		
31	BAR-7401	Backing Bar, 3100 Cucumber Harvester	1		
32	SHD-1525	Shield, Access Panel, Presort Door, Inner	2	19705 19801-	

33	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	22	
34	RLA-000-118	Standoff, 1/2" X 1 1/8"	14	
35	RLR-040-108	4" Flat Roller	14	No longer available - use existing stock
36	RLT-535-2210-SC	5" Flange Roller 2.2 WF 3.5 dia, 5/8" bore w/ Hub for Scraper	2	
37	RLA-3024S	Curved Scraper, LH	1	
38	RLA-3023S	Curved Scraper, RH	1	
39	BRA-8400	Bracket, Hold Up Rollers, HC290 Tomato	6	
40	RLT-965-2212	9.5" Flange Roller 6.5 WF 2.2 WW 3/4 bore	2	
41	RLT-065-2212	6.5 WD Roller 2.2 WW 3/4 bore	1	
42	LA-703A	Large Rubber T Latch Assembly	2	
43	POS-8402	Post, Middle, Inside Shaker Panel, HC290	1	
44	POS-8403	Post, Top, Inside Shaker Panel, HC290	1	

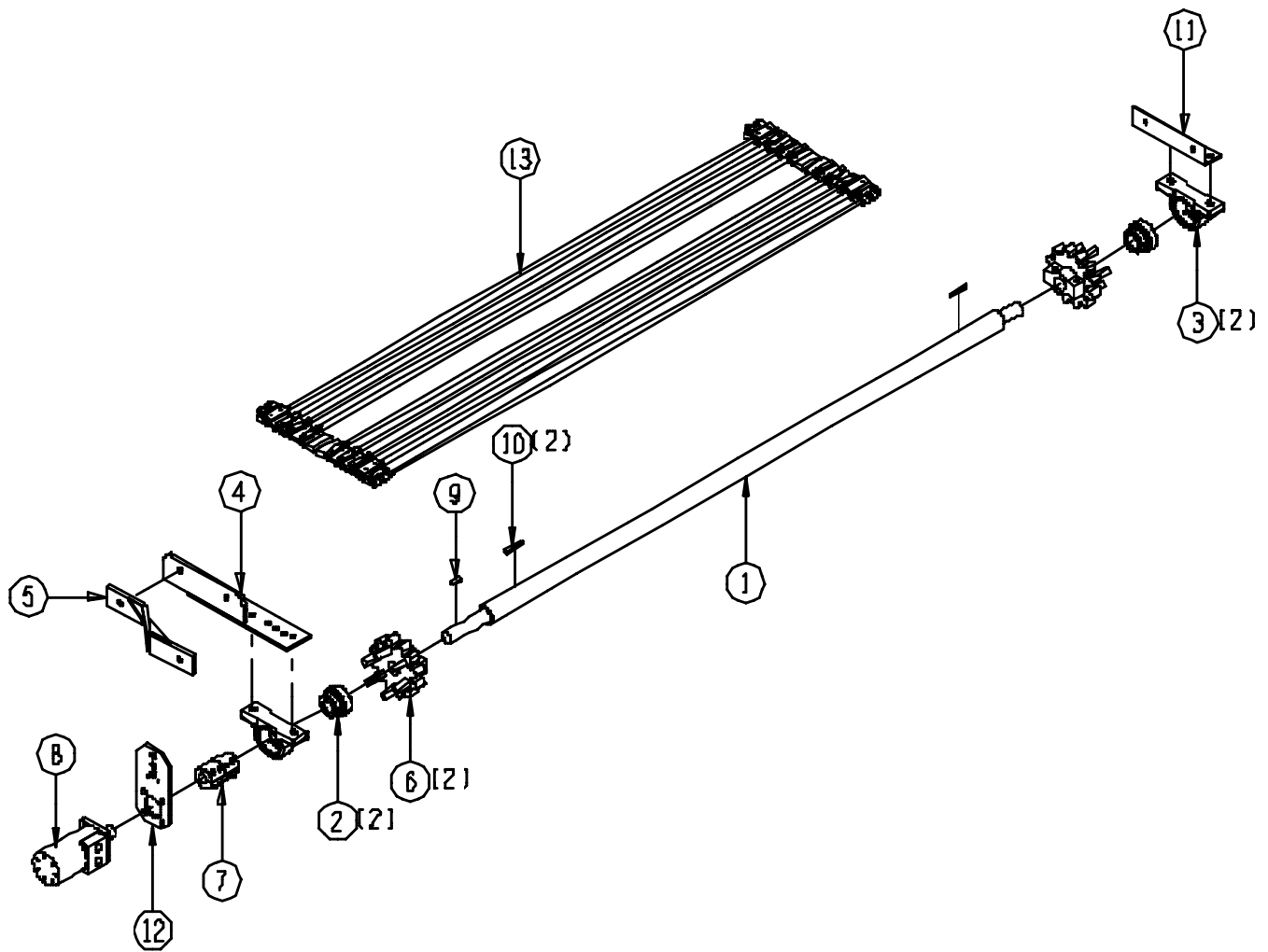
3104-5-1 SHAKER CHAMBER ASSEMBLY



3104-5-2 Transfer Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7404	Shaft, Transfer Drive, 3100 Cucumber Harvester	1		
2	BR-125-072	Bearing, 1 1/4 Fafnir tri-seal, 72mm OD	2		
3	BR-072-RAK	Bearing Housing	2		
4	BRA-8452	Bracket, Motor Stop, Transfer, HC290	1		
5	BRA-8507	Bracket, Motor Stop, Transfer, HC290	1		
6	SP-4210-28-6-HC	42-10 High Chrome Sprocket	2		
7	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1		
8	HM-210-CH	Char-Lynn Hydraulic Motor	1		Subs to HM-210-TC
9	Key-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
10	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	2		
11	MOU-8450	Angle, Transfer, Vine Chain Chamber, High Cap Tom	1		
12	MOU-8505	Mount, Motor, w/Torque Arm, HC290	1		
13	BC-8-6442-141AC	Transfer Chain, 3100 Cucumber	1		

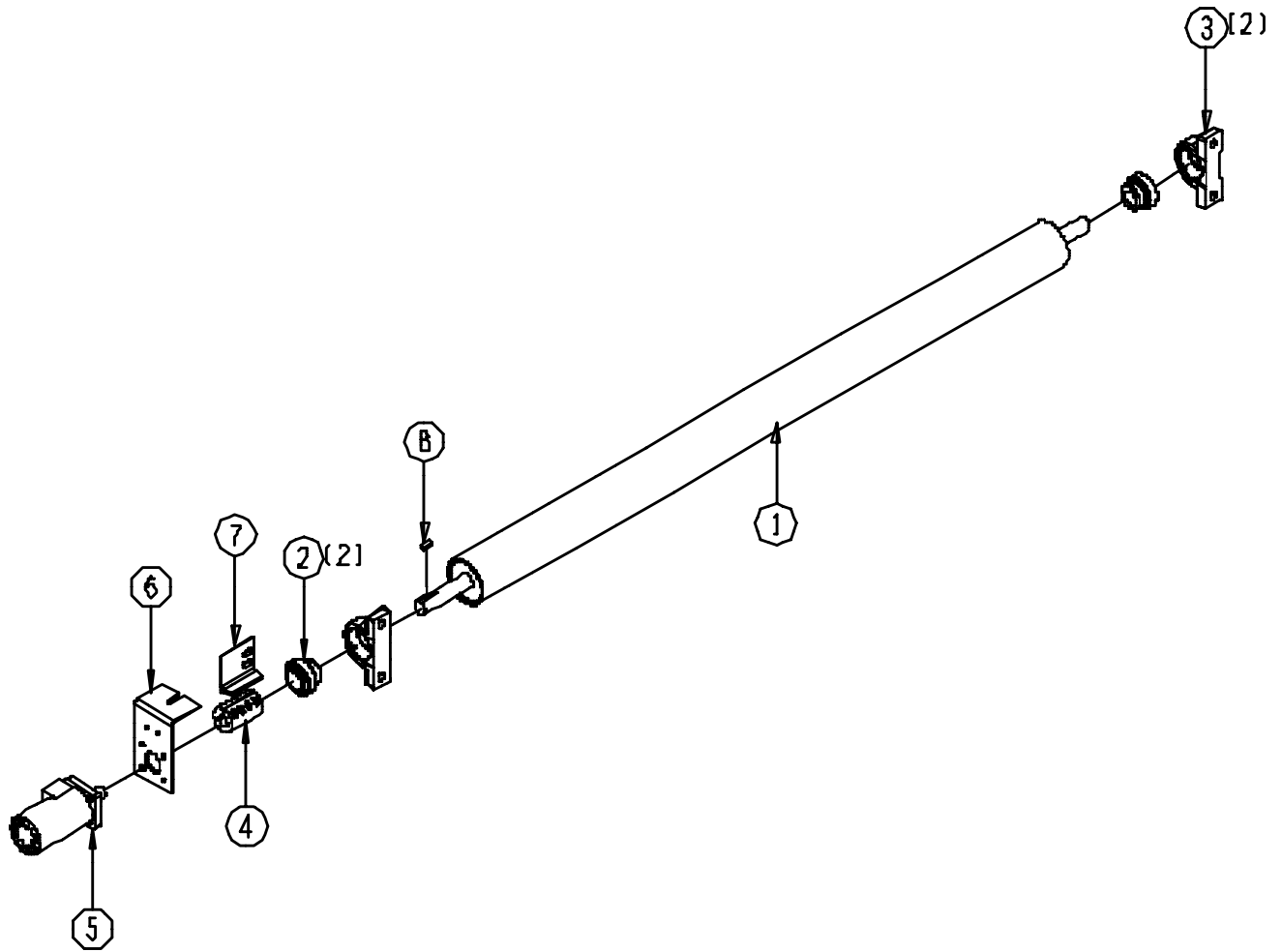
3104-5-2 TRANSFER DRIVE SHAFT ASSEMBLY



3104-5-3 Transfer Return Roller Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7403	Shaft, Roller, Transfer Return, 3100 Cuc	1		
2	BR-125-072	Bearing, 1 1/4 Fafnir tri-seal, 72mm OD	2		
3	BR-072-RAK	Bearing Housing	2		
4	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1		
5	HM-204-CH	Char-Lyn Hydraulic Motor	1		Subs to HM-204-TC
6	193-806	Mount motor	1		
7	193-806A	Motor mount stop	1		
8	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	

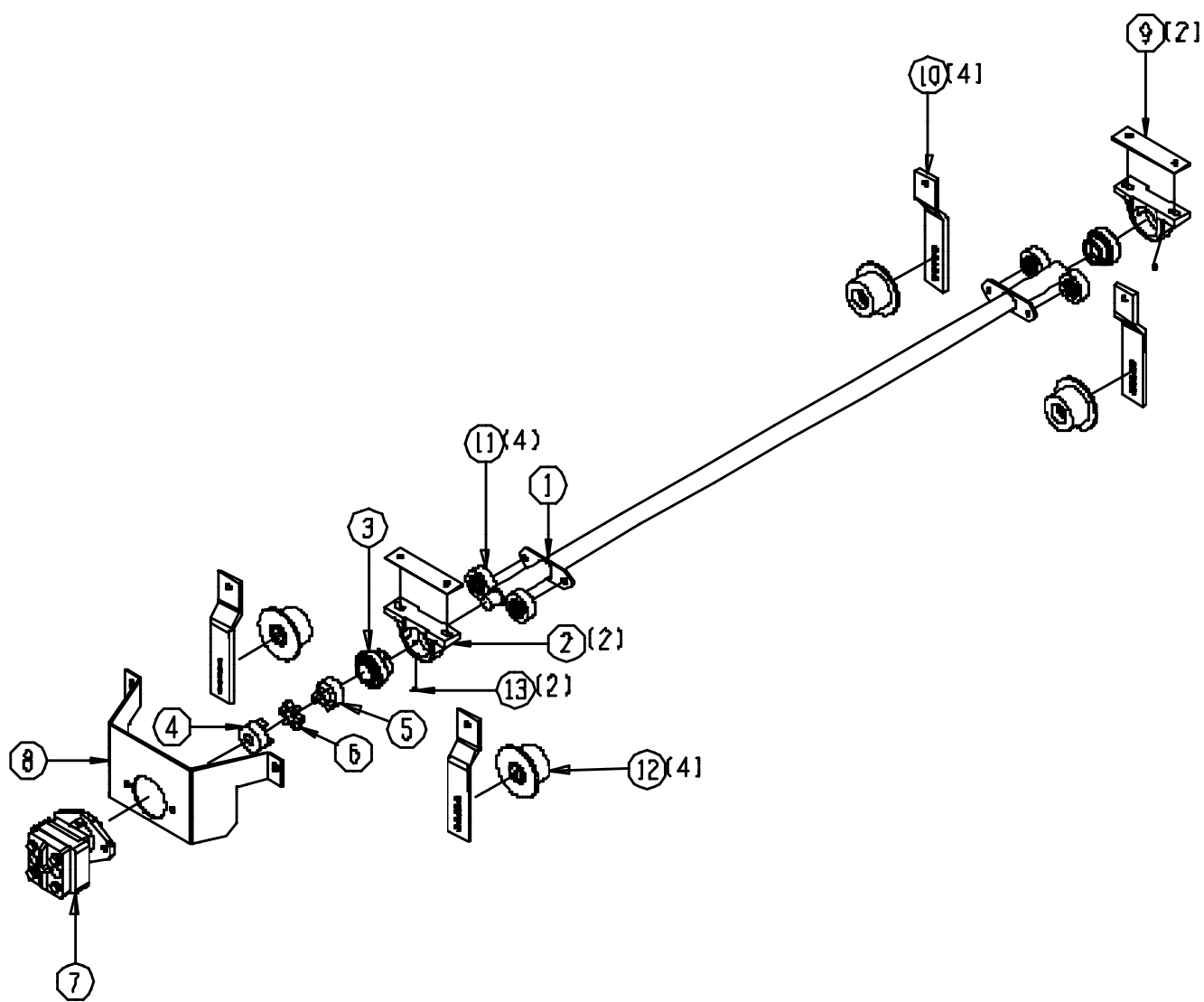
3104-5-3 TRANSFER RETURN ROLLER ASSEMBLY



3104-5-4 Optional Transfer Dirt Vibrator Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7302	Vibrator Shaft, Header, Transfer, 3100 Cucumber	1		
2	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
3	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
4	CPJ-6051	Coupler, Motor Side 1in. bore	1	19101	Sub 194-6053
5	CPJ-6052	Coupler, Shaft side 1 1/4in. bore	1	19101	Sub 194-6053 Exept on Debris Fan
6	CPJ-6055	Coupler, Urethene Spider	1	19101	For use with CPJ-6052 and CPJ-6051 Sub CPS-6053
7	HM-115	Hydraulic Motor	1		
8	MOU-8402	Mount, Motor, Transfer Vibrator, HC290	1		
9	BAR-8400	Bar, Bearing Support, Transfer Vibrator, HC290	2		
10	BRA-8400	Bracket, Hold Up Rollers, HC290 Tomato	4		
11	RLT-027-108	Roller 2.75" dia. 1/2" Bore	4		275C1X (Old Number, Single Bearing)
12	RLT-535-228	5" Flange Roller 2.2WF x 3 1/2" dia, 1/2" bore	4		
13	GF-1428	Grease Fitting 1/4" x 28 straight	2		

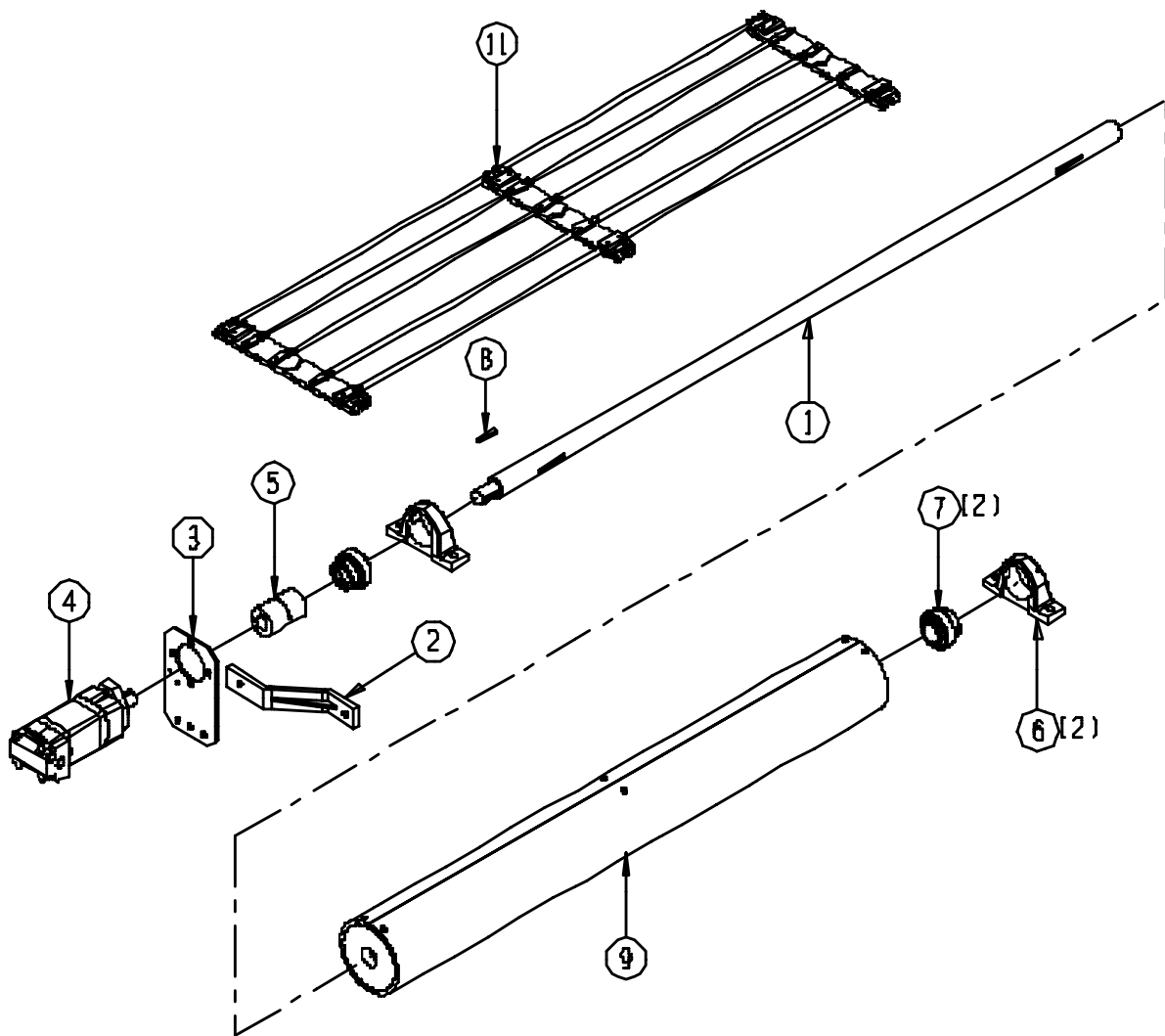
3104-5-4 OPTIONAL TRANSFER DIRT VIBRATOR ASSEMBLY



3104-5-5 Vine Chain Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7401	Vine Chain Drive Shaft, 3100 Cucumber	1		
2	BRA-8451	Bracket, Torque Arm, Motor Stop, HC290	1		
3	MOU-8451	Mount, Motor w/Torque Arm Stop, HC290	1		
4	HM-1420-CH	Char Lynn Motor	1		
5	CPS-6057	Coupler, Solid, 1.25", Cucumber & Tomato	1		This Replaces CPS-6056.
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		
8	KEY-5-5-20	Shaft Key 5/16" sq x 1 1/4" Square Cut (1018)	1		
9	PL-7400	Vine Chain Drive Shaft Cover @ half, 3100 Cucumber	1		
10	SHD-3415	Shield, Vine Anti-Wrap	1	30097001-	
11	BC-10-64175-63AC	Vine Chain, 3100 Cucumber	1		
12	SP-17504-MX-28-6	175mm High Profile Mixer Sprocket 1 3/4" Bore 3/8" Keyway	2		

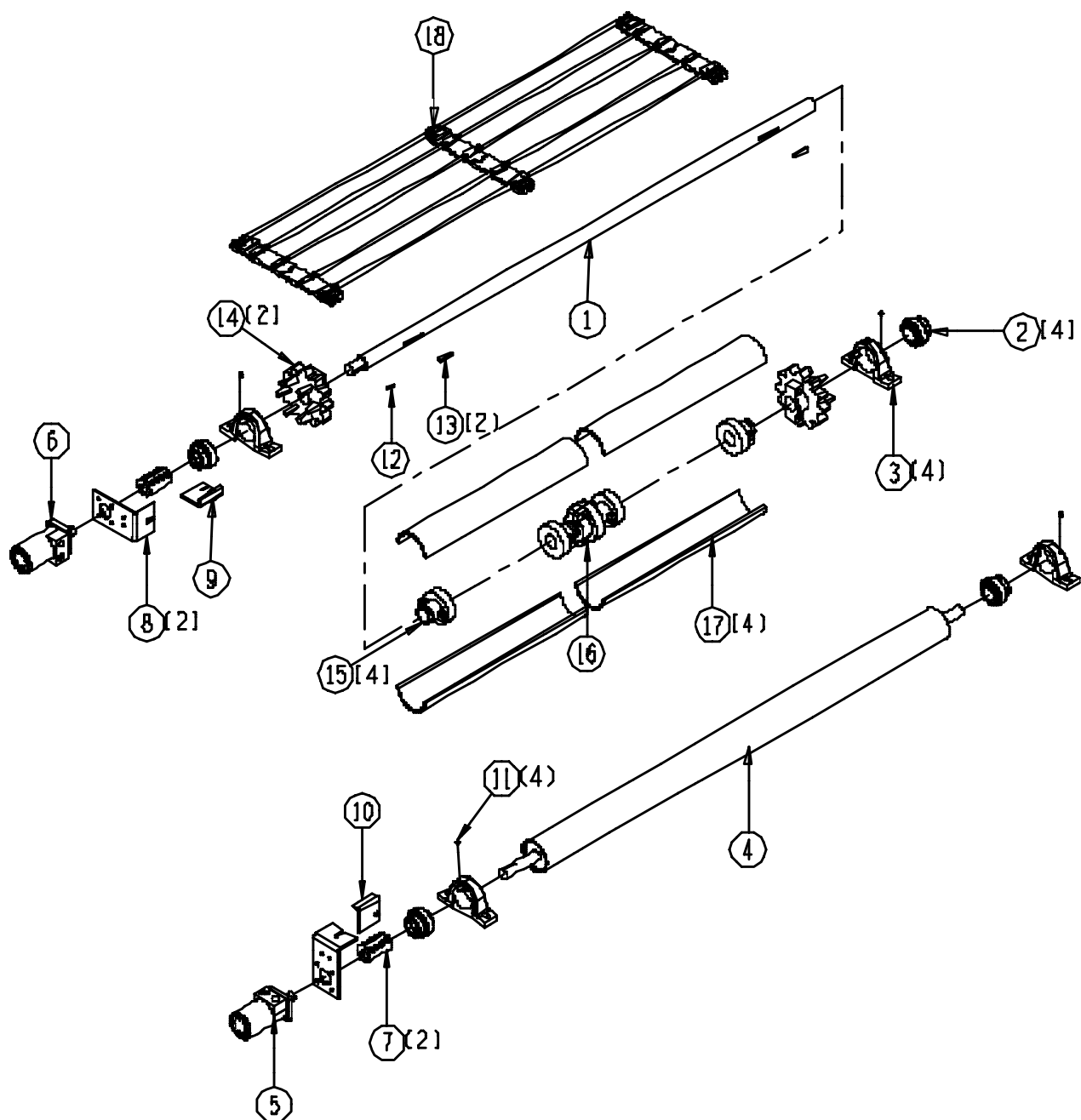
3104-5-5 VINE CHAIN DRIVE SHAFT ASSEMBLY



3104-5-6 Sizing Chain Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7351	Shaft, Sizing Chain, 3100 Cucumber	1	SFT-7351	
2	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	4		
3	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	4	19101	
4	SFT-7403	Shaft, Roller, Transfer Return, 3100 Cuc	1		
5	HM-204-CH	Char-Lyn Hydraulic Motor	1		Subs to HM-204-TC
6	HM-210-CH	Char-Lynn Hydraulic Motor	1		Subs to HM-210-TC
7	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	2		
8	193-806	Mount motor	2		
9	193-806A	Motor mount stop	1		
10	STP-7101	Motor Stop, 3100 Cucumber Harvester	1		
11	GF-1428	Grease Fitting 1/4" x 28 straight	4		
12	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
13	KEY-6-6-28	Shaft Key 3/8" x 1 3/4 "	2		
14	SP-3612-28-6	36-12 Sprocket	2		
15	PL-1419	Plastic, Molded Hub for Drive Drum, 1 3/4" bore	4		
16	SPU-500-28-6	Urethane Idlers	1		
17	PL-1418	Plastic, Anti-Wrap, Center, Sizing Chain, Cuc	4		
18	BC-7-6472-66AC	Sizing Chain, 3100 Cucumber	1		

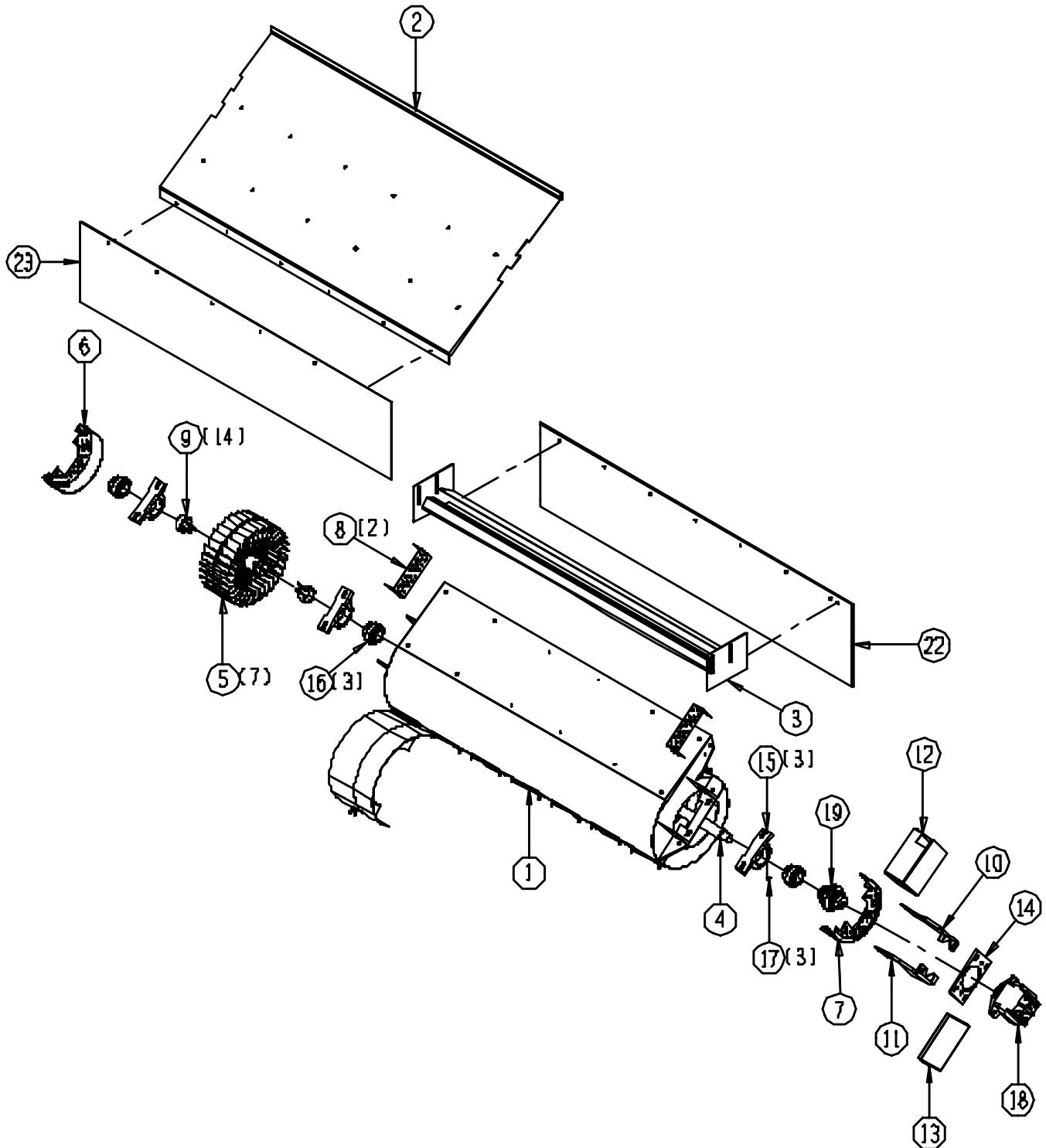
3104-5-6 SIZING CHAIN DRIVE SHAFT ASSEMBLY



3104-5-7 Debris Fan Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FAN-4720	Seven Gang Fan for Chili Peppers	1		
2	FAN-7500	Fan, Diffussor, 3100 Cucumber Harvester	1		
3	FAN-7501	Mount, Debris Fan, 3100 Cucumber Harvester	1		
4	SFT-0007	Shaft, 7 Paddle Fan, Product Feeder, Stripper Head	1		
5	FAN-730	Plastic Debris Fan (JD)	7		Cucumber harvester
6	SHD-3700	Shield, Rotor, Shaft, Debris Fan (Pickle)	1	30096001-	
7	SHD-0009	Shield, Motor Side, Product Mover Fan	1		
8	SHD-3722	Shield, Top Cover, Debris Fan (Pickle)	2	30096001-	
9	CL-730	Clamp for Fan Rotor (JD)	14		
10	MOU-3707	Mount, Debris Fan Motor (Pickle)	1	30096001-	
11	MOU-3708	Mount, Front Motor Support, Debris Fan (Pickle)	1	30096001-	
12	SHD-0006	Shield, Fan, Stripper Head	1		
13	SHD-0007	Shield, Fan, Stripper Head	1		
14	SUP-3707	Support, Motor Mount, Debris Fan (Pickle)	1	30096001-	
15	BR-085-RAK	Bearing Housing (1 3/4") Main Shaker	3	19101	
16	BR-175-085-KB	Fafnir Bearing 1 3/4" Heavy SS1	3		
17	GF-1428	Grease Fitting 1/4" x 28 straight	3		
18	HM-712C	Hydraulic Motor	1	19101	
19	CPR-7081	Debris Fan Coupler	1		Replaces Lovejoy Coupler In pre 1994 Machines (PN CPJ- 7081;CPJ-6055;CPJ-6053) Pre 1992 May require some modifications
20	HM-412B	Key for Hydraulic Motor -Shaker Weight-Vibrator	1	HM-412C & HM-712C	
21	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	1		
22	PL-7501	Plastic, Debris Fan, 3100 Cucumber Harvester	1		
23	PL-7502	Plastic, Debris Fan, 3100 Cucumber Harvester	1		

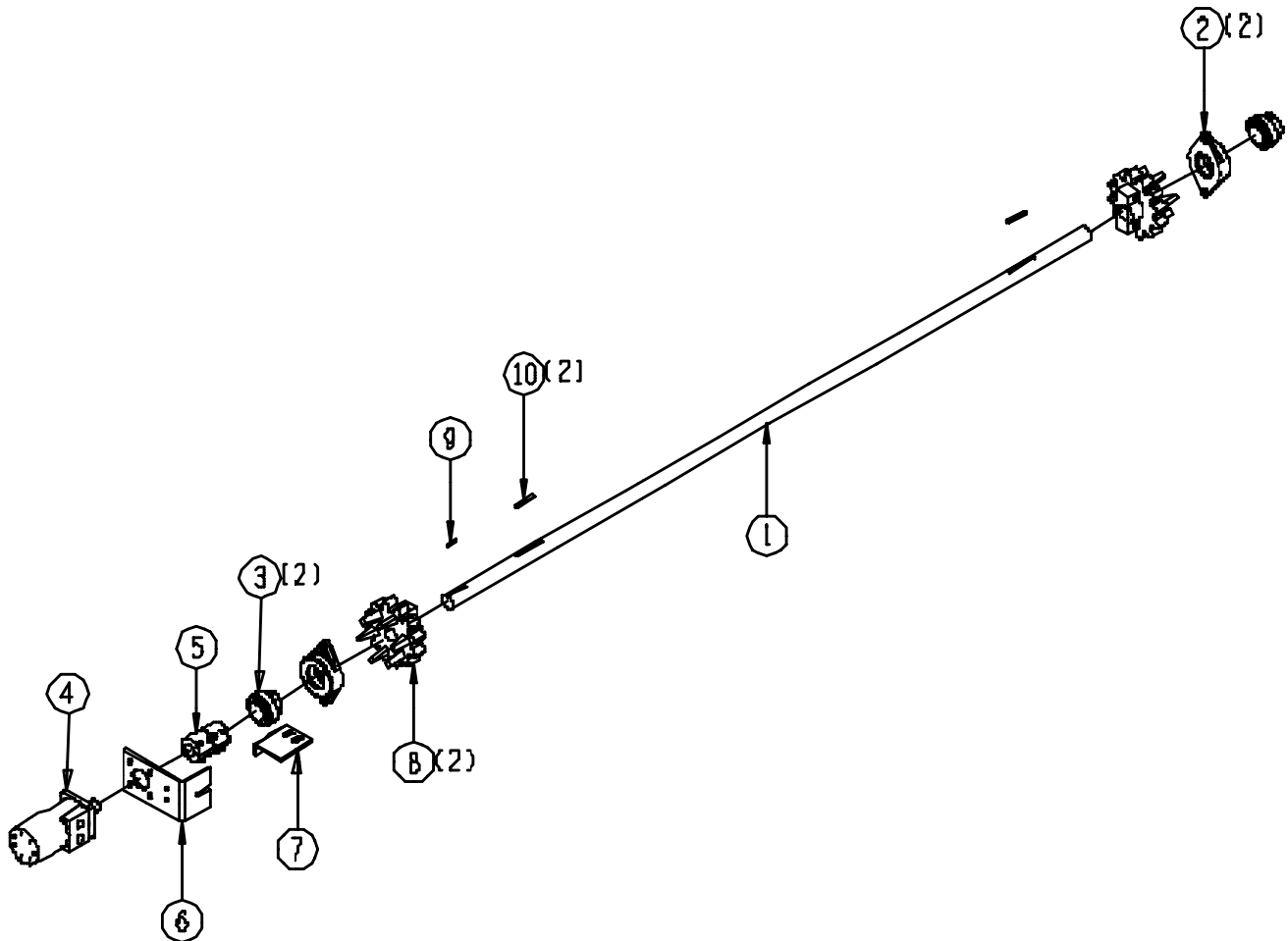
3104-5-7 DEBRIS FAN ASSEMBLY



3104-5-8 Debris Conveyor Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7353	Shaft, Trash Removal, 3100 Cucumber	1		
2	BR-062-RCJT	62 MM Housing, Two Bolt Flange	2		
3	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
4	HM-210-CH	Char-Lynn Hydraulic Motor	1		Subs to HM-210-TC
5	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1		
6	193-806	Mount motor	1		
7	193-806A	Motor mount stop	1		
8	SPU-3612-20-4	Urethane Sprocket 36-12 1 1/4 bore 1/4" key	2		Sub SP-3612-20-4
9	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
10	KEY-4-4-20	Shaft Key 1/4" x 1 1/4"	2		

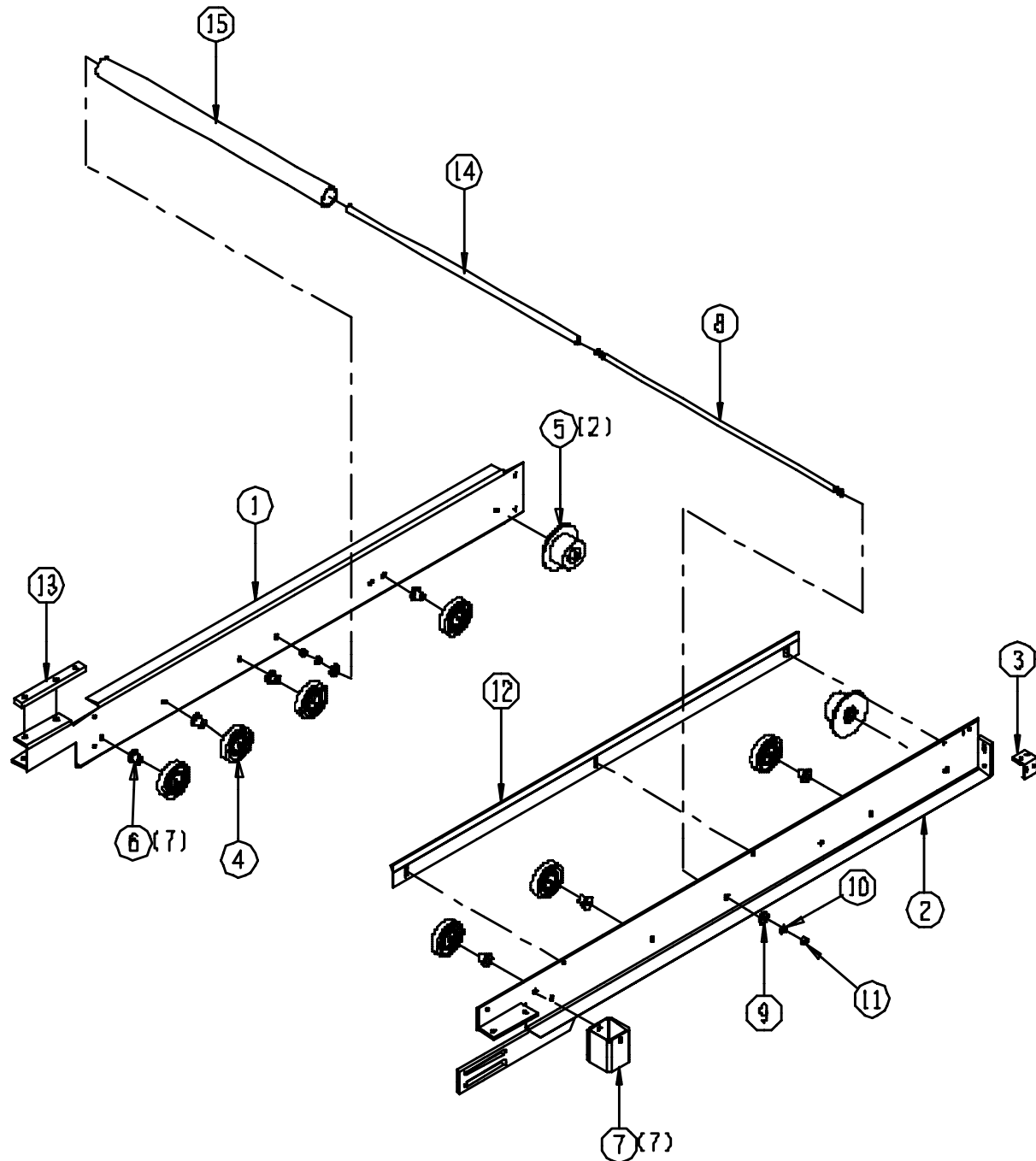
3104-5-8 DEBRIS CONVEYOR ASSEMBLY



3104-6-1 Cross Conveyor Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-7503	Panel, Cross Conveyor, 3100 Cucumber Harvester	1		
2	PAN-7502	Panel, LH, Cross, 3100 Cucumber Harvester	1		
3	BRA-8450	Bracket, Cross Conveyor, HC290 Tomato	1		
4	RLR-040-108	4" Flat Roller	7		No longer available - use existing stock
5	RLT-535-2210-SC	5" Flange Roller 2.2 WF 3.5 dia, 5/8" bore w/ Hub for Scraper	2		
6	RLA-000-118	Standoff, 1/2" X 1 1/8"	7		
7	SPA-7101	Spacer, Tube, 3100 Cucumber Harvester	1		
8	ADJ-7500	Adjuster, Cross Conveyor, 3100 Cucumber Harvester	1		
12	SCR-7502	Scraper, 3100 Cucumber Harvester	1		
13	BAR-7500	Bar, Rear Cross, 3100 Cucumber	1		
14	SPA-7500	Tube Spacer, 3100 Cucumber Harvester	1		
15	PL-7503	PVC Pipe, 3100 Cucumber Harvester	1		
100	BL-8-FW	1/2 USS FW ZC	2		
101	BL-8-LW	1/2 SPLIT LW ZC	2		
102	BL-8-N	1/2-13 HEX FIN NUTS ZC	2		

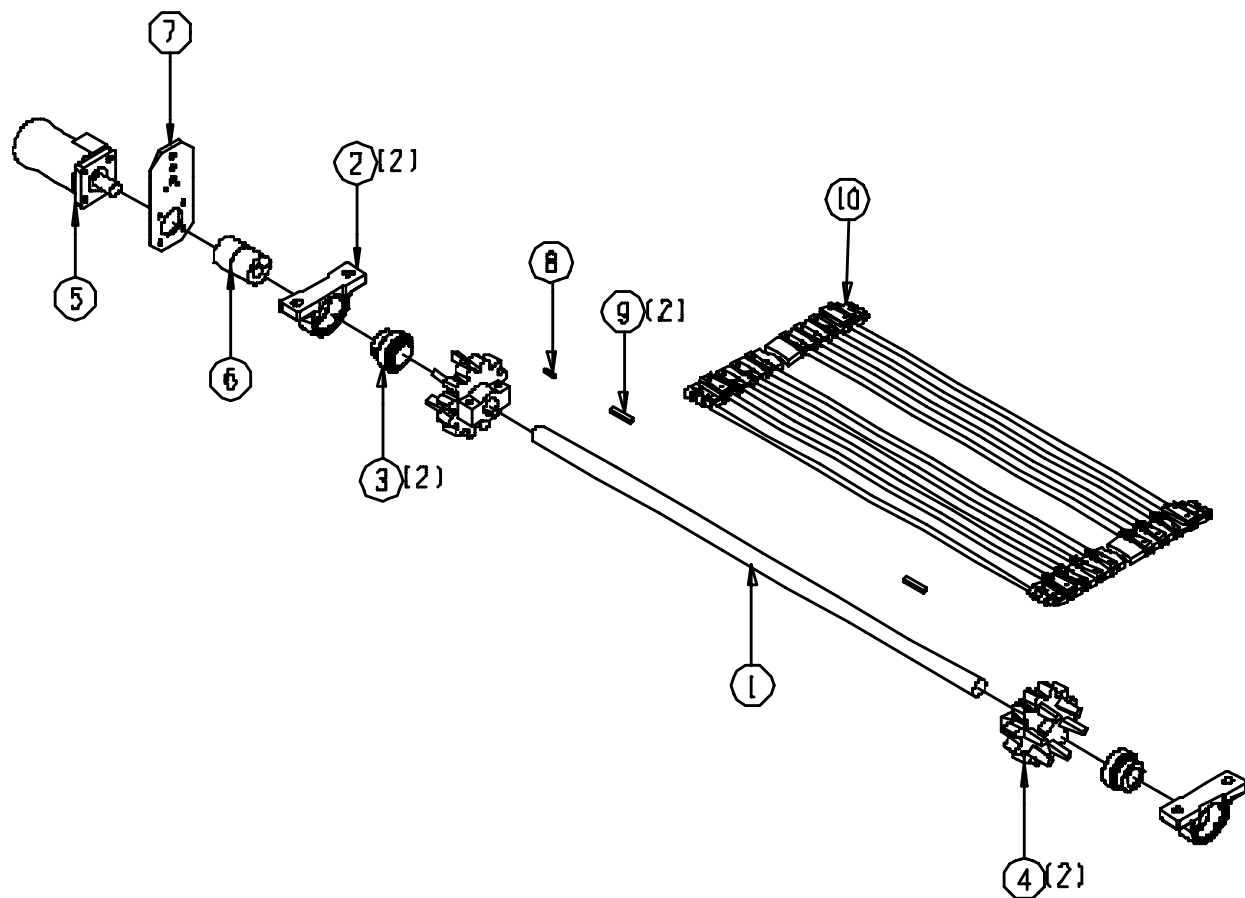
3104-6-1 CROSS CONVEYOR ASSEMBLY



3104-6-2 Cross Conveyor Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-8502	Shaft, Drive, Cross Conveyor, HC290	1		
2	BR-072-RAK	Bearing Housing	2		
3	BR-125-072	Bearing, 1 1/4 Fafnir tri-seal, 72mm OD	2		
4	SPU-4212-20-4	42-12 Urethane Sprocket 1 1/4" bore 1/4" key	2		
5	HM-204-CH	Char-Lyn Hydraulic Motor	1		Subs to HM-204-TC
6	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1		
7	MOU-8505	Mount, Motor, w/Torque Arm, HC290	1		
8	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
9	KEY-4-4-32	Shaft Key 1/4" x 2" Square Cut (1018)	2		
10	BC-7-3642-99AC	Cross Chain, 3100 Cucumber	1		

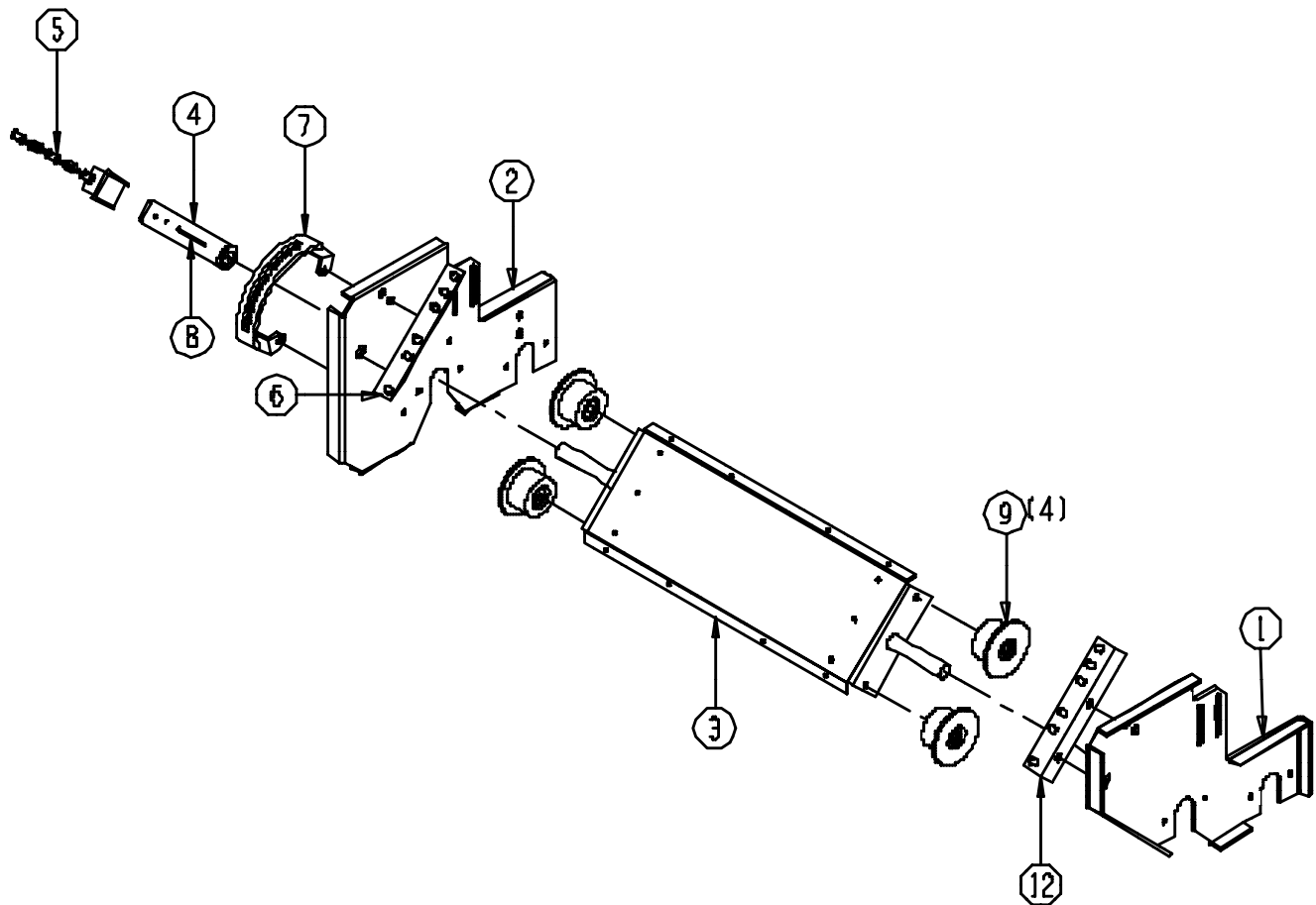
3104-6-2 CROSS CONVEYOR DRIVE SHAFT ASSEMBLY



3104-6-4 Trash Removal Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-3333	Panel, Front Side, HH, Cuc	1	30098001- HH-3300	
2	PAN-3332	Panel, Back Side, HH, Under Cross, Cuc	1	30098001-	
3	FRM-7330	Frame, Debri Chain, 3100 Cucumber Harvester	1		
4	BRA-3330	Bracket, Angle Adjustment Lever	1	30098001- HH-3300	
5	STP-3330	Bracket, Stop Holder, Hedge Hog	1	30098001- HH-3300	
6	FAN-3336	Bracket, Hedge Hog, Fan Mount	1	FAN-3332	
7	ADJ-3330	Adjuster, Angle, Stop Holder, Hedg Hog, Cuc	1	30098001- HH-3300	
8	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
9	RLT-535-2210-RV	5" Flange Roller 2.2 WF 3.5 dia, 5/8" bore w/ Inverted Spindle	4		
10	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
11	BR-062-RCJT	62 MM Housing, Two Bolt Flange	2		
12	FAN-3339	Bracket, Mount, Front	1	30098001- HH-3300 KIT-0063 KIT-0067	

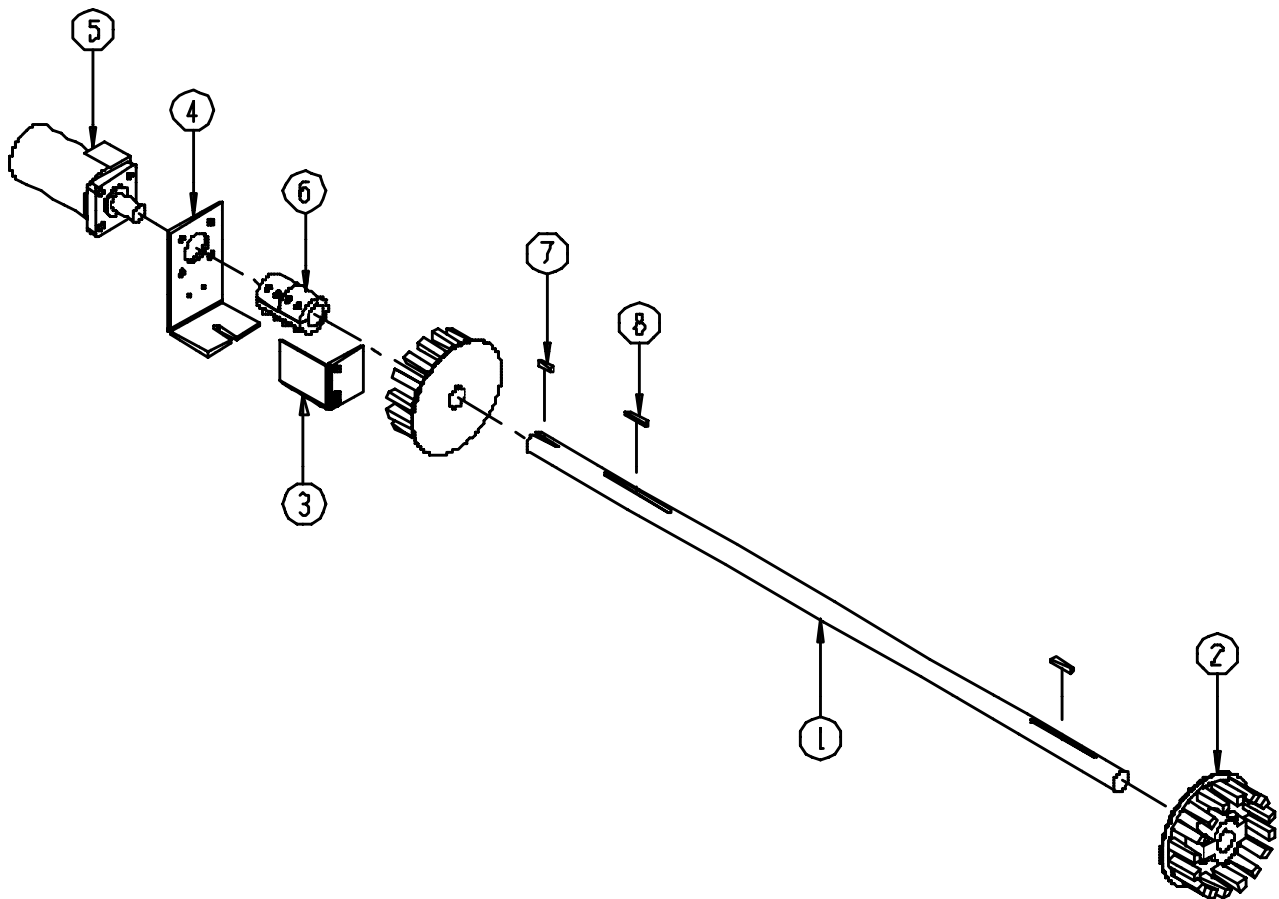
3104-6-4 TRASH REMOVAL ASSEMBLY



3104-6-5 Trash Removal Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SFT-7330	Shaft, Debris Chain, 3100 Cucumber Harvester	1		
2	SP-3516-HP-20-4	35mm High Profile Sprocket 16 tooth 1 1/4" bore 1/4" key	2		
3	193-915	Stop, Discharge Motor	1	19301-	
4	193-806	Mount motor	1		
5	HM-204-CH	Char-Lyn Hydraulic Motor	1		Subs to HM-204-TC
6	CPS-6060	Steel Coupler (offcenter) 1 1/4" x 1"	1		
7	KEY-4-4-16	Shaft Key 1/4" X 1/4" X 1" Square Cut (1018)	1	20095001-	
8	KEY-4-4-24	Shaft Key 1/4" x 1 1/2" Square Cut (1018)	2		
9	BR-062-RCJT	62 MM Housing, Two Bolt Flange	2		
10	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		

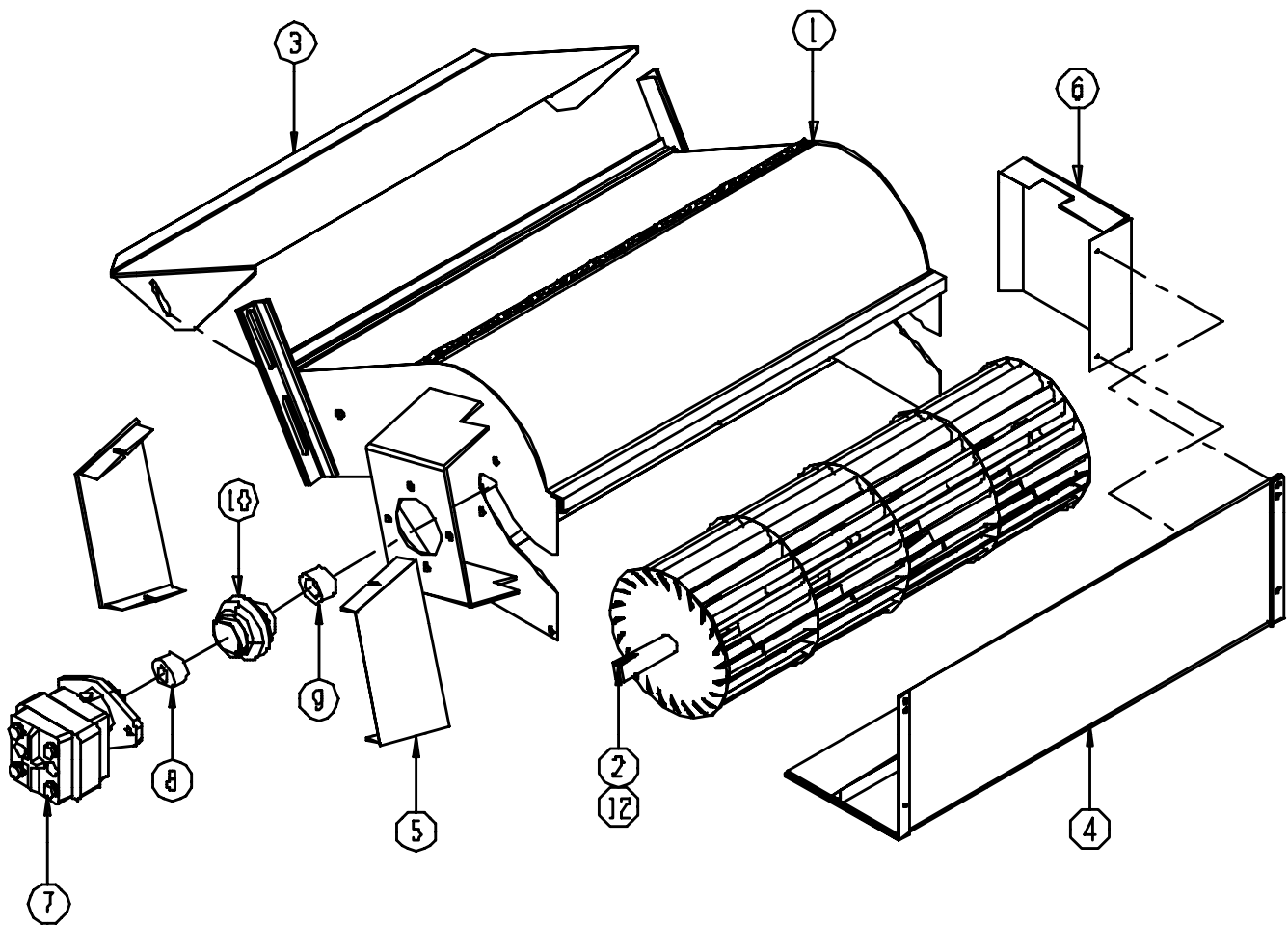
3104-6-5 TRASH REMOVAL SHAFT ASSEMBLY



3104-6-6 Trash Removal Fan Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FAN-7333	Fan Housing, 3100 Cucumber Harvester	1		
2	FAN-7335	Diffusor Assy. 3100 Cucumber Harvester	1		
3	SHD-7306	Debri Fan Shield, 3100 Cucumber	1		
4	SHD-138	Shield, Motor Mount	1	30098001- HH-3300	
5	SHD-3331	Shield, Shaft & Bearing, HH Fan, Cuc.	1	30098001- HH-3300	
6	HM-412C	Hydraulic Motor	1	19101	Sub 191-412
7	CPR-7081C	Omega Hub 7/8	1	19401	
8	CPR-7081A	Omega Coupler Hub 1 1/4"	1	19401	
9	CPR-7081E	Coupler Element Only	1	19401	
10	BR-125-062	Bearing, 1 1/4 Fafnir tri-seal, 62mm OD	2		
11	BR-062-RCJT	62 MM Housing, Two Bolt Flange	2		
12	Key-4-4-20	Shaft Key 1/4" x 1 1/4"	1		

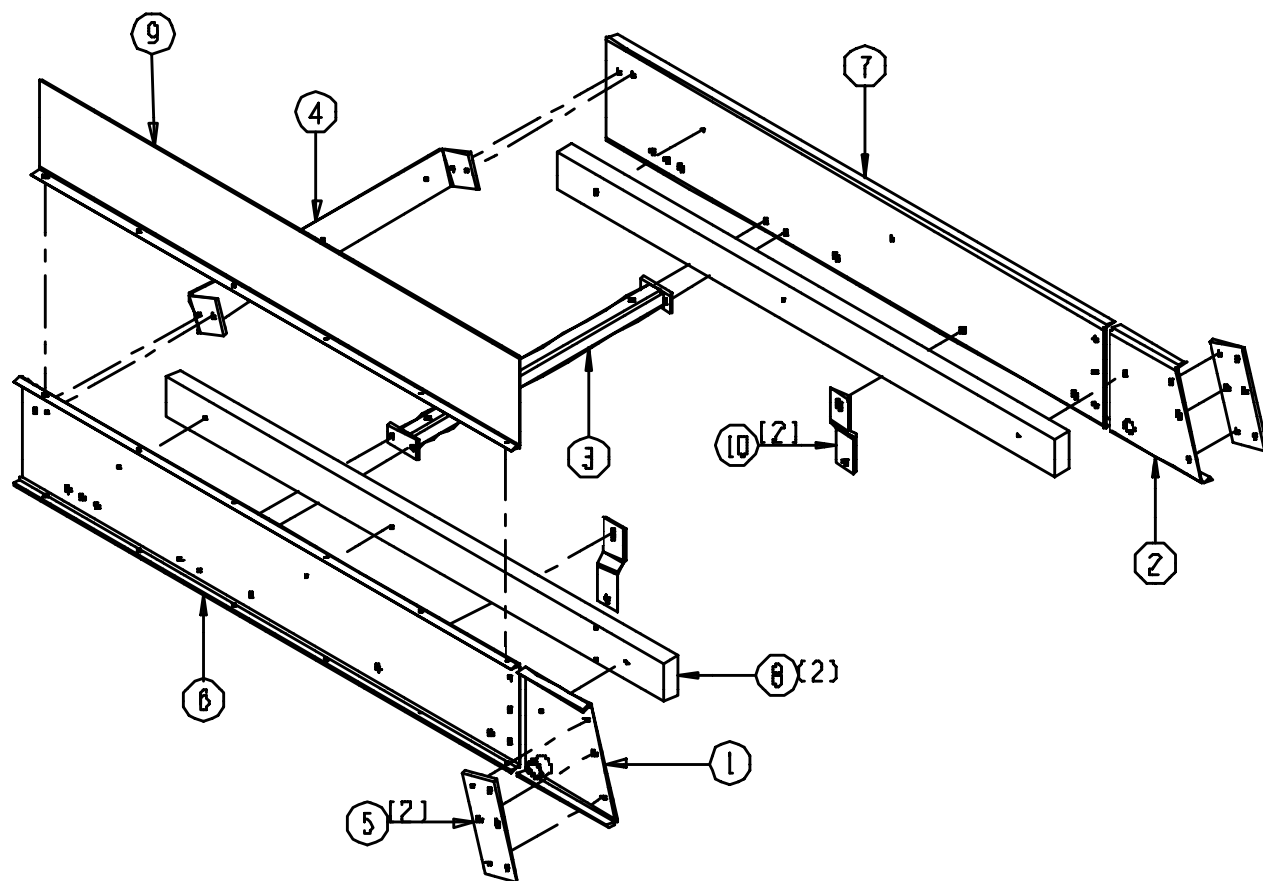
3104-6-6 TRASH REMOVAL FAN ASSEMBLY



3104-7-1 Elevation Lower Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SID-7313	Lower Elevation Panel, 3100 Cucumber Harvester	1		
2	SID-7314	Side Panel, 3100 Cucumber Harvester	1		
3	BAR-9028	Bar, Cross Member, X Bracing, Elevation, Cuc.	1	30098001-	
4	SUP-7313	Bar Support, 3100 Cucumber Harvester	1		
5	BAR-7313	Lower Elevation Bracket, 3100 Cucumber	2		
6	SID-7311	Lower Elevation Sheild, 3100 Cucumber	1		
7	SID-7312	Lower Elevation, 3100 Cucumber Harvester	1		
8	PL-7302	Plastic, Lower Elevation, 3100 Cucumber	2		
9	SID-7310	Side Panel, 3100 Cucumber Harvester	1		
10	BRA-7315	Bracket, Lower Elevation, Hold Up Roller, 3100	2		

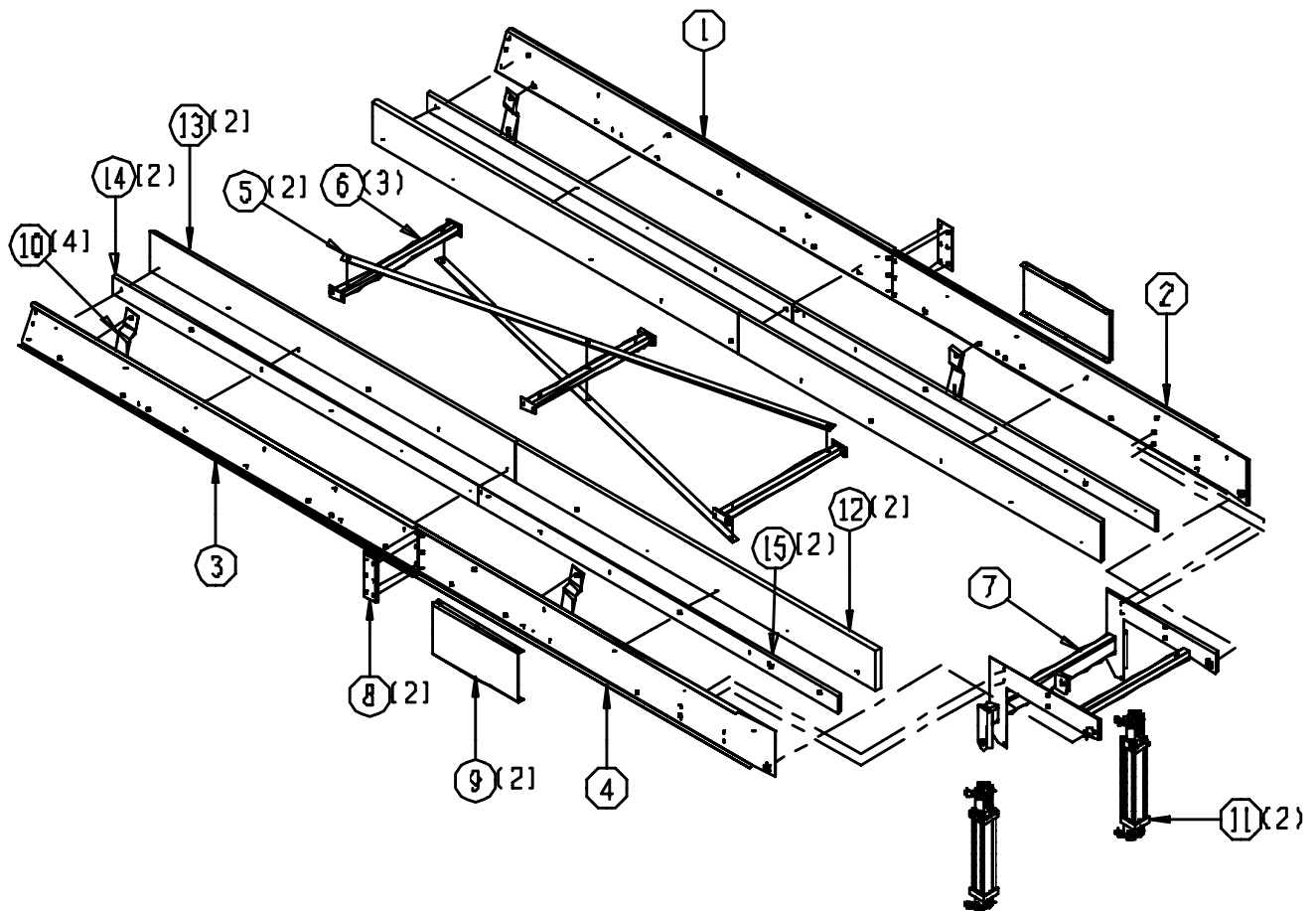
3104-7-1 ELEVATION LOWER ASSEMBLY



3104-7-2 Elevation Middle Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SID-7316	Side Panel, Inner Elevation, 3100 Cucumber	1		
2	SID-7317	Middle Side Panel, 3100 Cucumber	1		
3	SID-7315	Outer Lower Elevation, 3100 Cucumber	1		
4	SID-7318	Outer Middle Elevation, 3100 Cucumber Harvester	1		
5	BAR-7316	Bar, X- Bracing, 3100 Cucumber Harvester	2		
6	BAR-9028	Bar, Cross Member, X Bracing, Elevation, Cuc.	3	30098001-	
7	MOU-7821	Elevation Middle, Mount, 3100 Cucumber Harvester	1		
8	BAR-7315	Bar, Elevation Middle, 3100 Cucumber Harvester	2		
9	MOU-7316	Mount, Elevation Middle, 3100 Cucumber Harvester	2	MOU-7316	
10	BRA-8400	Bracket, Hold Up Rollers, HC290 Tomato	4		
11	HC-200-0808	Hydraulic Cylinder 2" x 8" #8 SAE Ports	2	19201- 20095001-	Same as sliding hitch
12	PL-7306	Plastic, 3100 Cucumber Harvester	2		
13	PL-7305	Plastic, Elevation, 310 Cucumber Harvester	2		
14	PL-7308	Plastic, 3100 Cucumber Harvester	2		
15	PL-7309	Plastic, 3100 Cucumber Harvester	2	PL-7309	

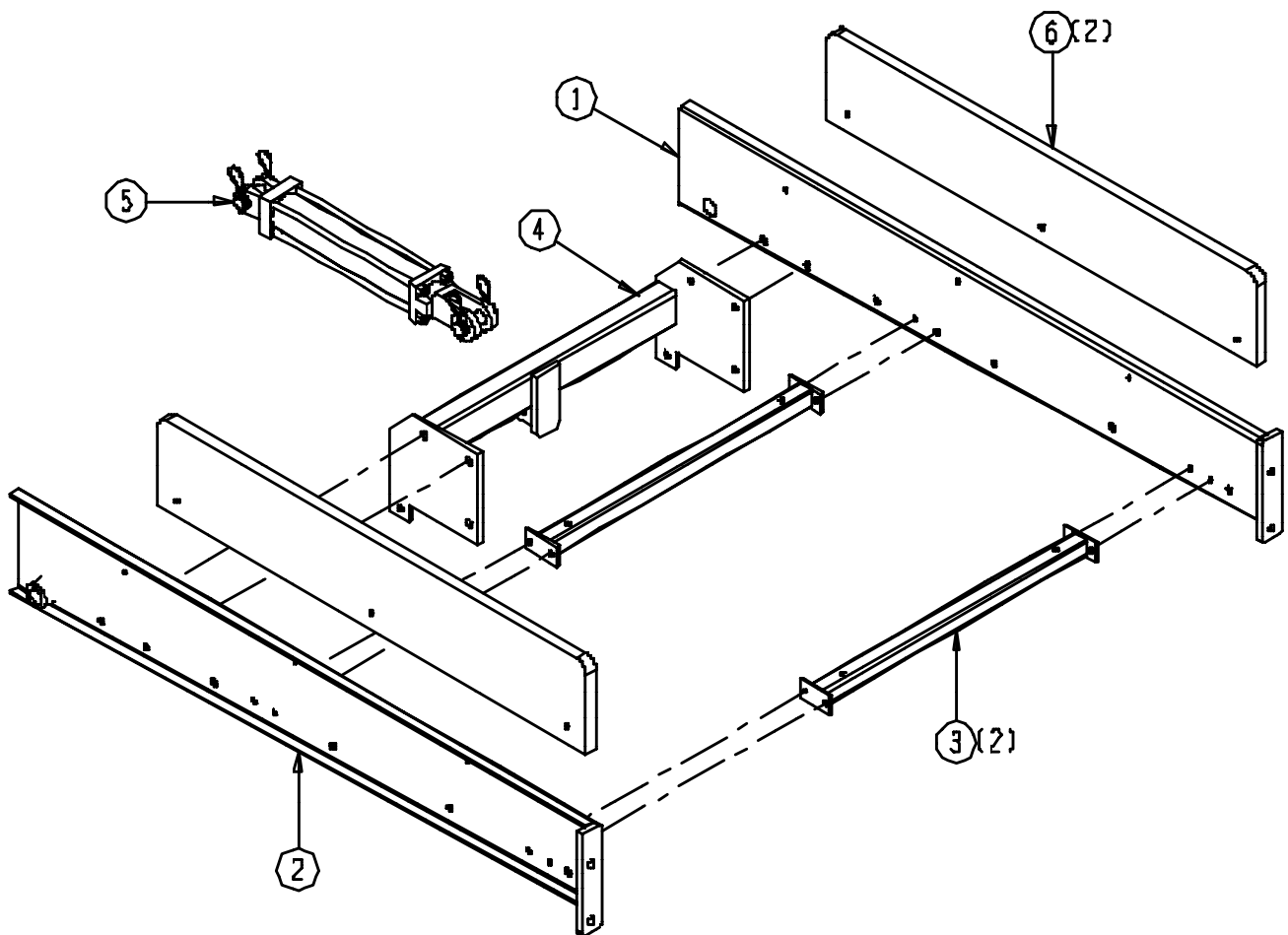
3104-7-2 ELEVATION MIDDLE ASSEMBLY



3104-7-3 Elevation Upper Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SID-7319	Side Panel, 3100 Cucumber Harvester	1		
2	SID-7320	Side Panel, Upper Elevation, 3100 Cucumber	1		
3	BAR-9028	Bar, Cross Member, X Bracing, Elevation, Cuc.	2	30098001-	
4	MOU-3831	Mount, Cylinder, Upper Elevation, Cuc.	1	30098001-	
5	HC-200-0808	Hydraulic Cylinder 2" x 8" #8 SAE Ports	1	19201- 20095001-	Same as sliding hitch
6	PL-7307	Plastic, Upper Elevation, 3100 Cucumber Harvester	2		

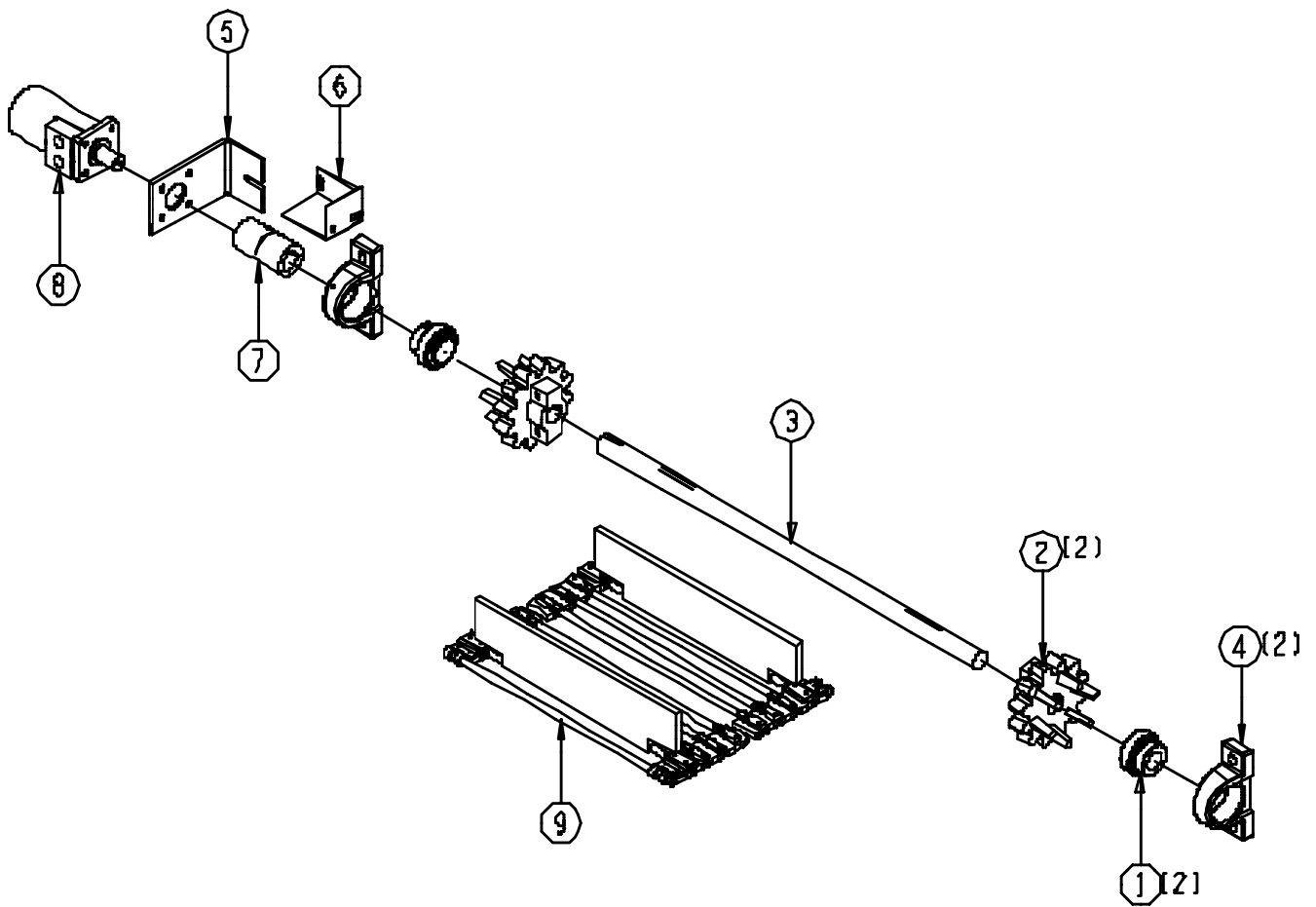
3104-7-3 ELEVATION UPPER ASSEMBLY



3104-7-4 Elevation Drive Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BR-125-072	Bearing, 1 1/4 Fafnir tri-seal, 72mm OD	2		
2	SPU-4212-20-4	42-12 Urethane Sprocket 1 1/4" bore 1/4" key	2		
3	SFT-3798	Shaft, Chain Drive, Elevation, Cuc.	1	30098001-	
4	BR-072-RAK	Bearing Housing	2		
5	193-806	Mount motor	1		
6	193-915	Stop, Discharge Motor	1	19301-	
7	CPS-6056	Steel Coupler (offcenter) 1 1/4" x 1 1/4"	1		Replaces CPS-231 Replace with CPS-6057
8	HM-103-CH	Char-Lynn Motor	1		Subs to HM-103-TC
9	BC-6-2642-366FL	Elevation Chain, 3100 Cucumber	1		

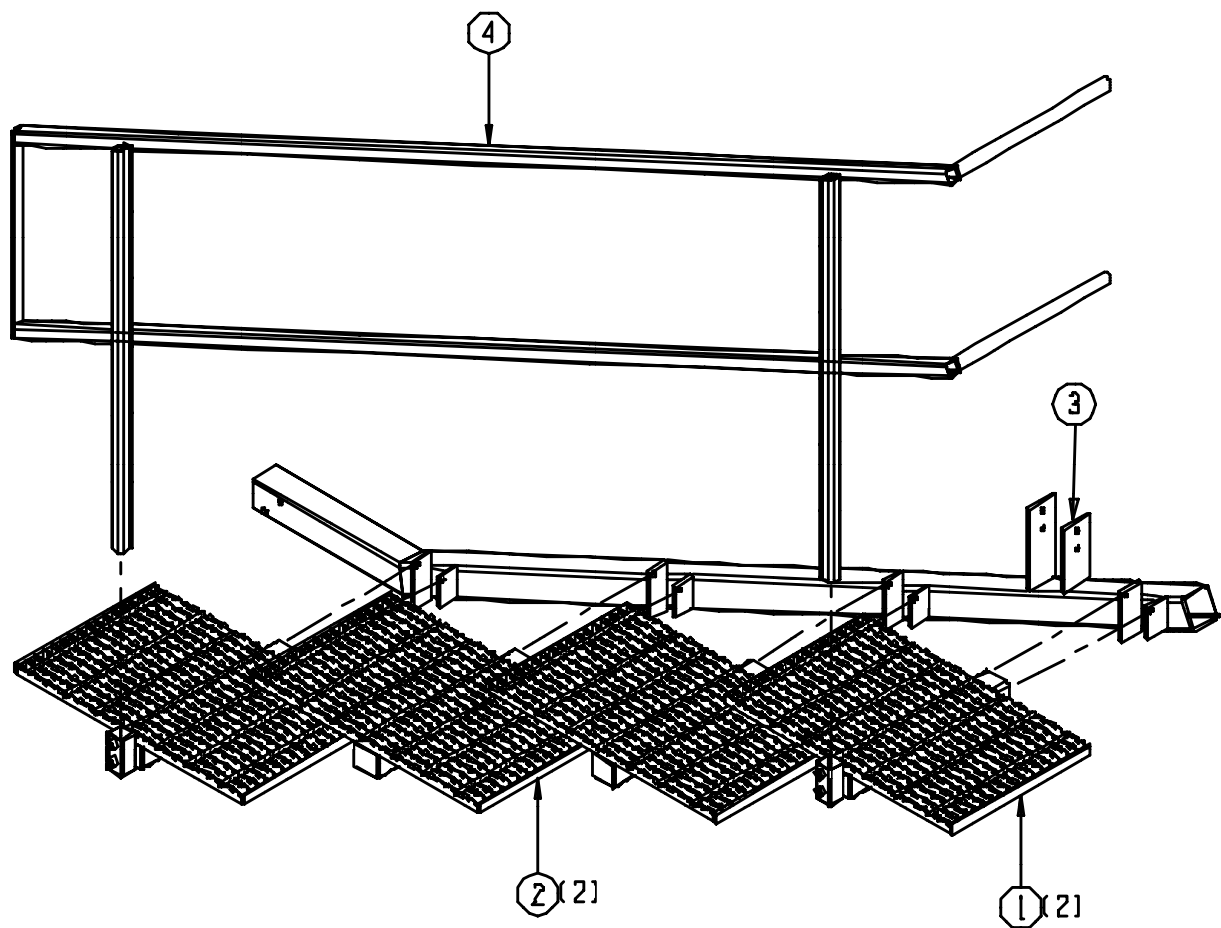
3104-7-4 ELEVATION DRIVE ASSEMBLY



3104-7-5 Elevation Steps, 3100 Cucumber Harvester

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	STD-7816	Stand, Elevation, 3100 Cucumber Harvester	2		
2	STD-7815	Stand, Elevation	2		
3	STD-7810	Stand, Decking, 3100 Cucumber Harvester	1		
4	STD-7814	Stand, Handrail, 3100 Cucumber Harvester	1		

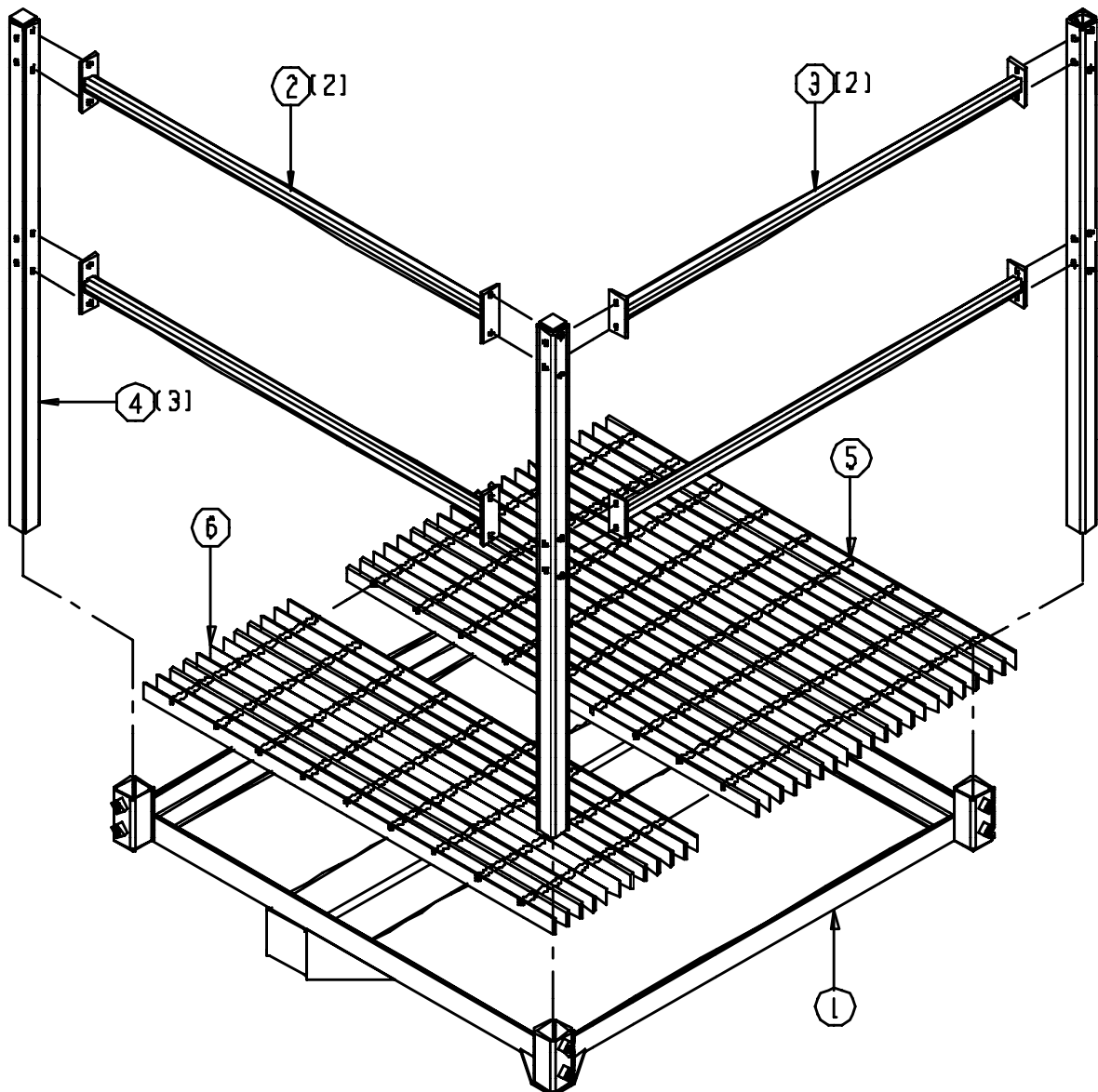
3104-7-5 ELEVATION STEPS



3104-7-6 Rear Decking Platform, 3100

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	FRM-7102	Decking Frame, 3100 Cucumber Harvester	1		
2	STD-7102	Hand Rail, 3100 Cucumber Harvester	2		
3	STD-7103	Hand Rail, Deck, 3100 Cumber Harvester	2		
4	POS-3861	Post, Supports, Handrail Mounts, HH	3	30098001-	
5	STD-7104	Decking, 3100 Cucumber Harvester	1		
6	STD-7105	Decking, 3100 Cucumber Harvester	1		

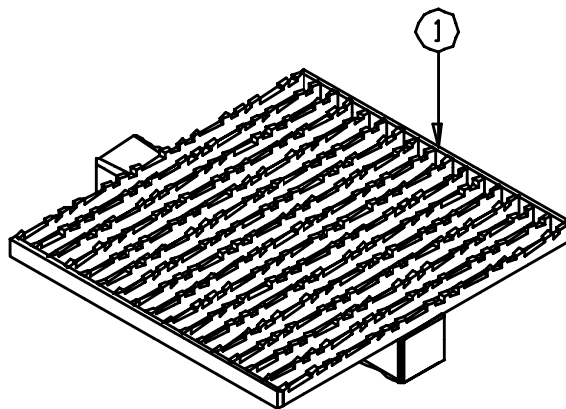
3104-7-6 REAR DECKING PLATFORM



3104-7-7 Middle Step, 3100 Cucumber Harvester

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	STD-3815	Stand, Middle Decking (Pickle)	1	30096001-	

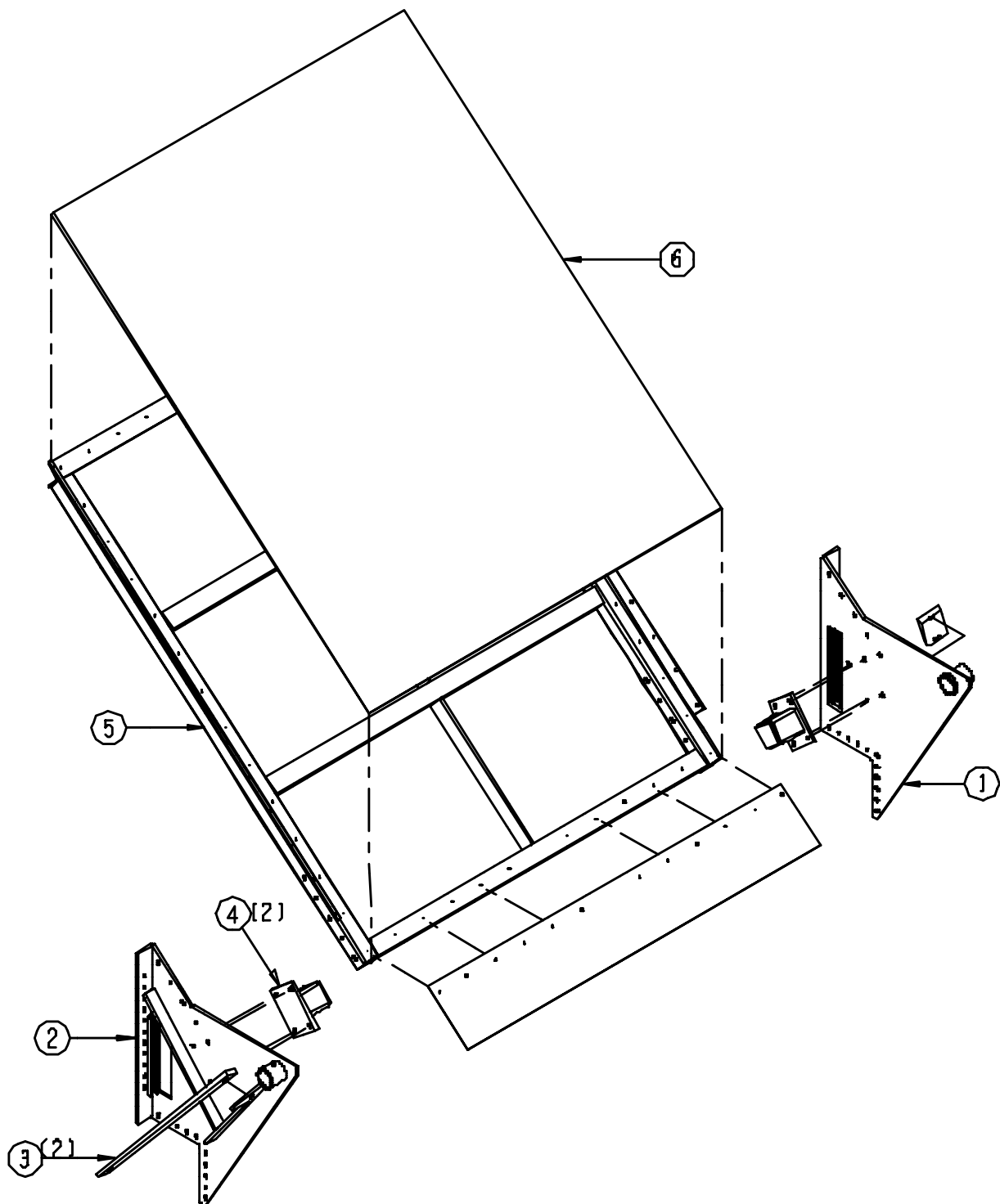
3104-7-7 MIDDLE STEP



3104-8-1 Primary Bin Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	MOU-7700	Bin Mount, 3100 Cucumber Harvester	1		
2	MOU-7701	Mount, Bin, 3100 Cucumber Harvester	1		
3	BAR-7700	Bin Bar, 3100 Cucumber Harvester	2		
4	MOU-7702	Bin Stop Mount, 3100 Cucumber Harvester	2		
5	BIN-7700	Inner Bin, 3100 Cucumber Harvester	1	BIN-7700	
6	PL-7700	Plastic (Lexan) Sheet, Inner Bin, 3100 Cucumber	1		
7	BT-7700	Belting, Inner Bin, 3100 Cucumber Harvester	1		

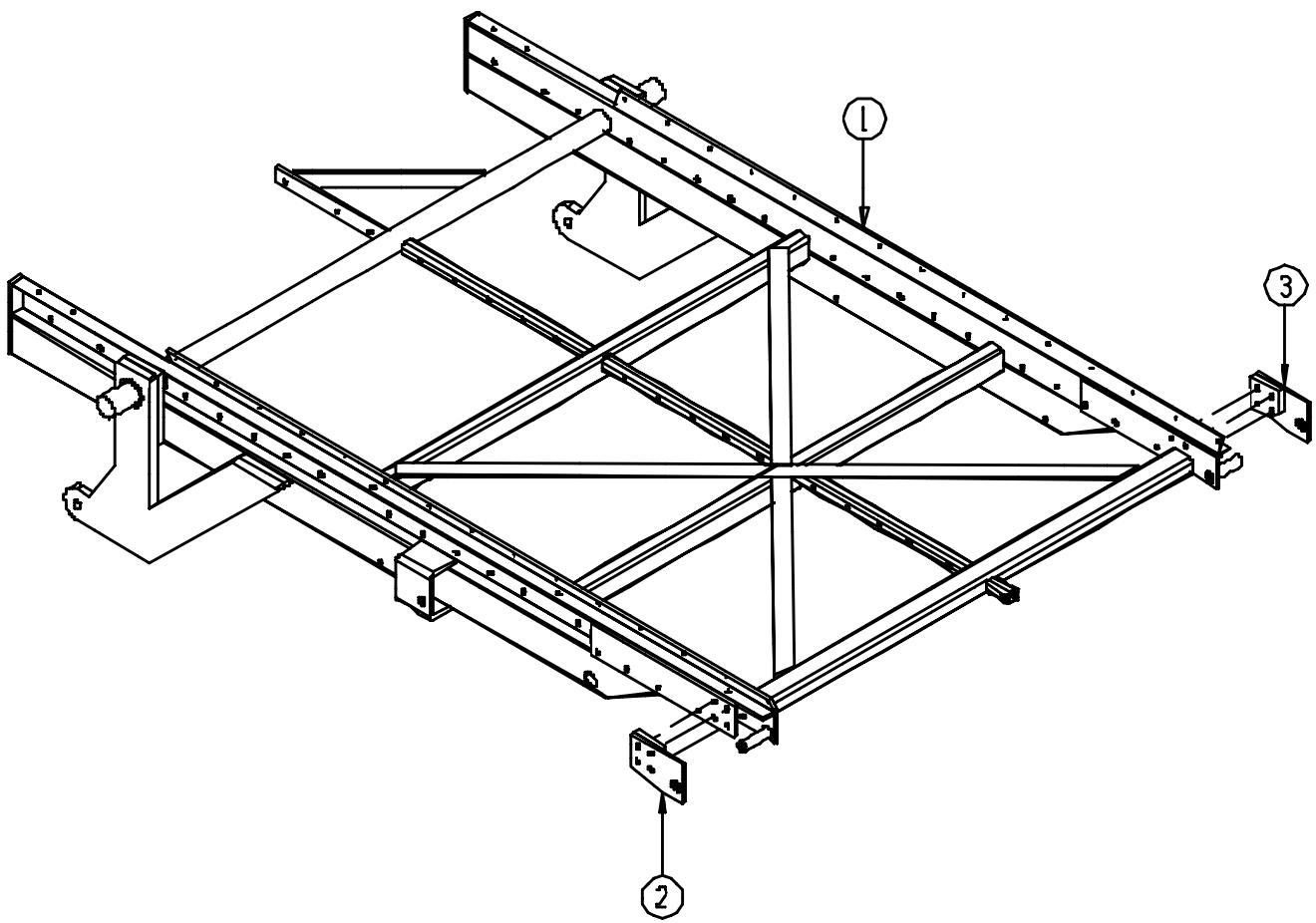
3104-8-1 PRIMARY BIN ASSEMBLY



3104-8-2 Bin Lower Link Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	BIN-7720	Lower Bin, 3100 Cucumber Harvester	1		
2	MOU-7720	Mount Lower Bin	1		
3	MOU-7721	Mount, Lower Bin, 3100 Cucumber Harvester	1		

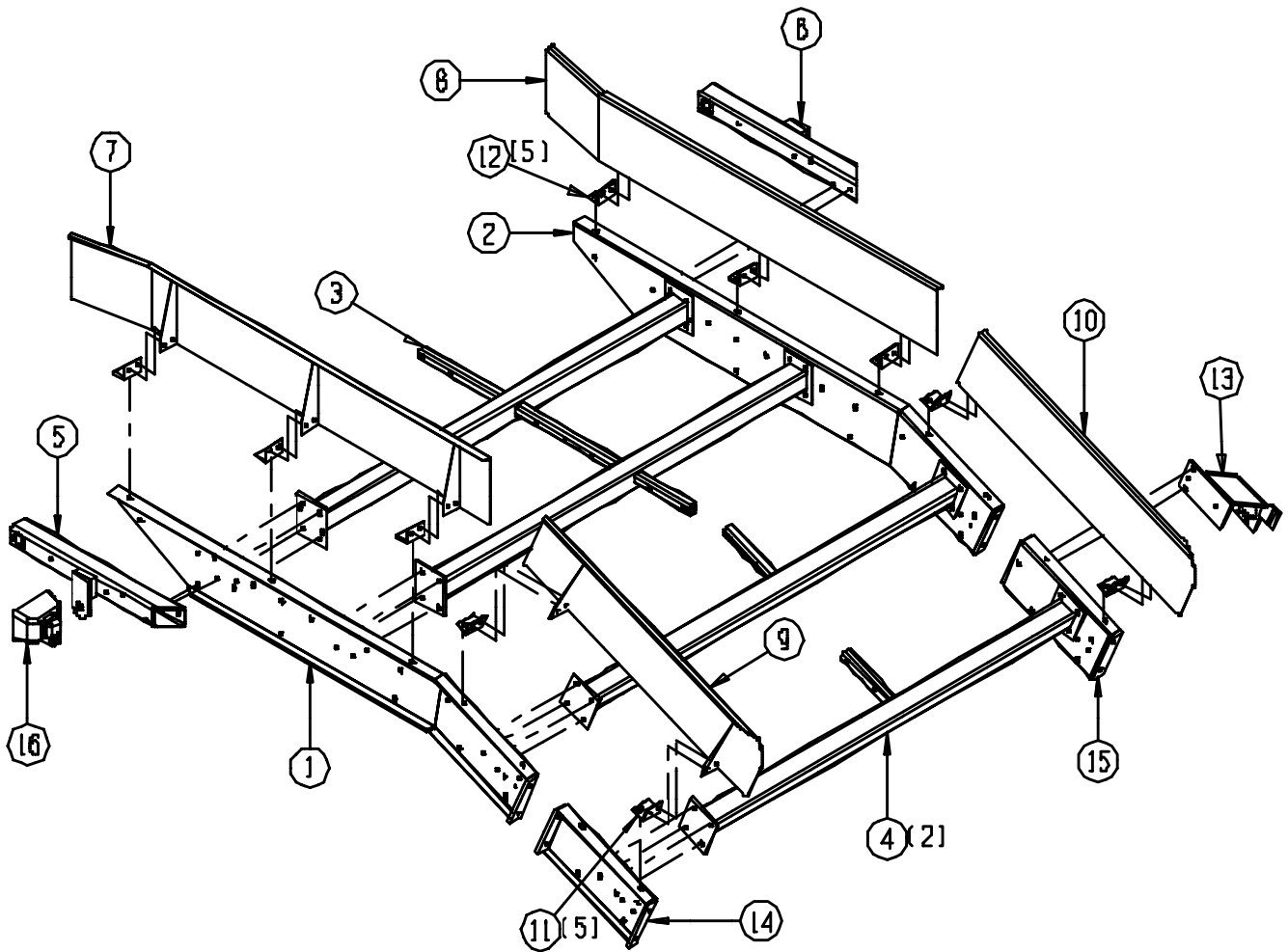
3104-8-2 BIN LOWER LINK ASSEMBLY



3104-8-3 Bin Outer Link Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	SID-7750	Side, Outer Bin, 3100 Cucumber Harvester	1		
2	SID-7751	Side Panel, Outer Bin, 3100 Cucumber	1		
3	BAR-7750	Crossmember Bar, 3100 Cucumber Harvester	1		
4	BAR-7751	Bracket Outer Crossmember, 3100 Cucumber	2		
5	BRA-7750	Bin Bracket, 3100 Cucumber Harvester	1		
6	BRA-7751	Bin Bracket, 3100 Cucumber Harvester	1		
7	SID-7752	Side Outer Bin, 3100 Cucumber Harvester	1		
8	SID-7753	Side Panel, Outer Bin, 3100 Cucumber	1		
9	SID-7754	Rear Bin Shield, 3100 Cucumber	1		
10	SID-7755	Side Shield, Outer Bin, 3100 Cucumber Harvester	1		
11	BRA-7752	Bracket, Bin, 3100 Cucumber	5		
12	BRA-7753	Bracket, Bin, 3100 Cucumber	5		
13	MOU-3755	Mount, Drive Motor, Bin Discharge (Pickle)	1	30096001-	Replaces MOU-3810
14	PAN-7750	Panel, Outer Bin Extension	1		
15	PAN-7751	Panel, Outer Bin, 3100 Cucumber Harvester	1		
16	EL-1233	Light, Auxiliary Work Light, Clear, Trapezoid Beam, TL#80394	1		Replaces EL-1201

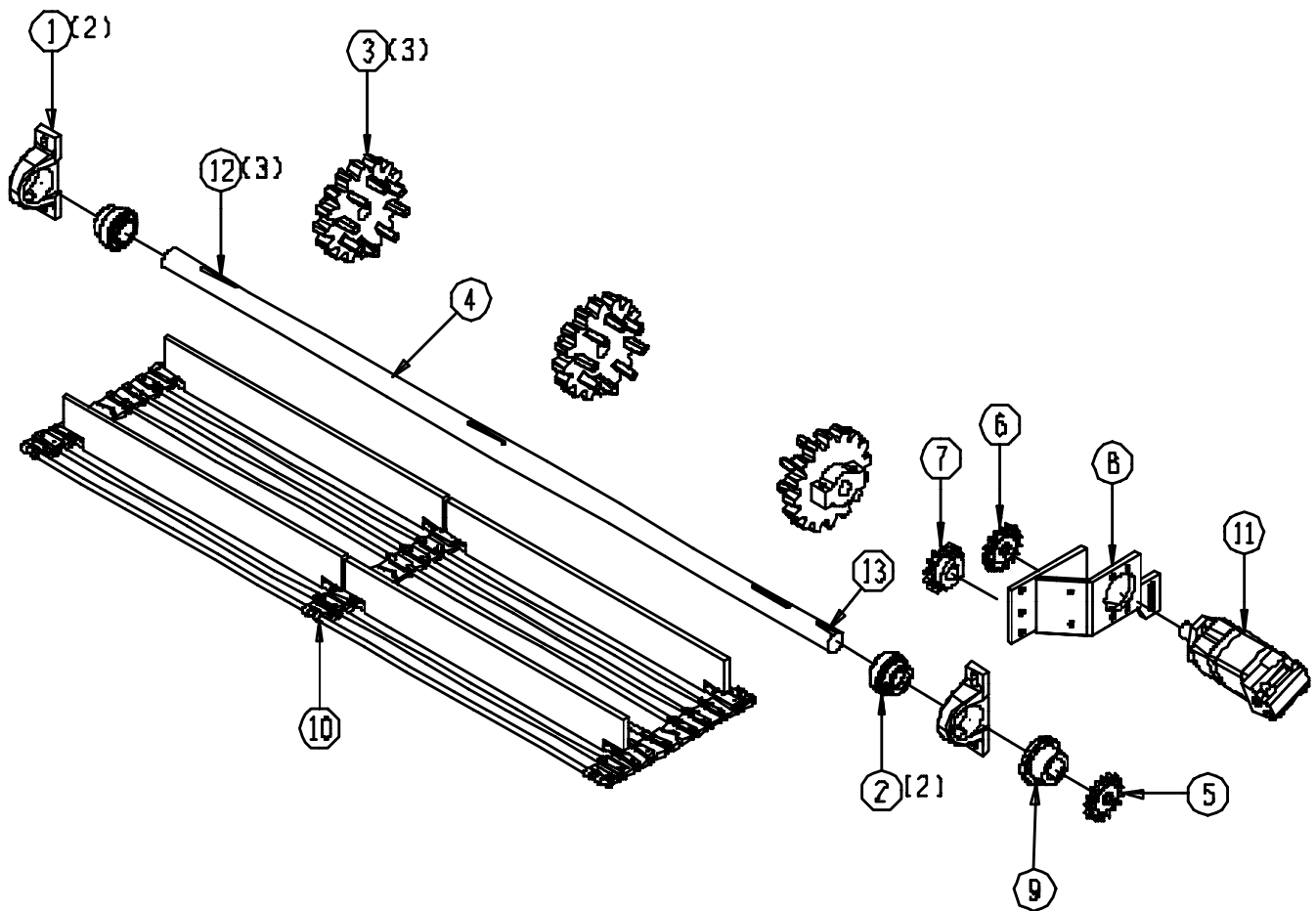
3104-8-3 BIN OUTER LINK ASSEMBLY



3104-8-4 Bin Drive Shaft Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	Br-085-RAK	Bearing Housing (1 3/4") Main Shaker	2	19101	
2	BR-175-085	Fafnir Bearing 1 3/4 Tri Seal	2		
3	SP-4018-MX-28-6	Mixer Sprocket, 40mm Pitch, 18 Pin with 1 3/4" Bore, 3/8" Keyway	3		
4	SFT-3800	Shaft, Discharge, Bin (Pickle)	1	30095001-	
5	SP-60SK35	Sprocket, #60, 35 tooth	1	19101	
6	SP-6015-T	Idler, # 60 Roller Chain Adjuster	1	19201	
7	SP-60B14-20-5	Sprocket, #60, 14 tooth, 1.25" bore	1		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 chin kits.
8	MOU-3755	Mount, Drive Motor, Bin Discharge (Pickle)	1	30096001-	Replaces MOU-3810
9	PU-SK-28	Bushing, SK x 1 3/4"	1	19101	
10	BC-7-6440-279FL	Bin Chain, 3100 Cucumber	1		
11	HM-1228-CH	Char Lynn Motor	1		
12	KEY-6-6-40	Keystock 3/8" x 3/8" x 2 1/2" Square Cut (1018)	3		
13	KEY-6-6-24	Keystock 3/8" x 3/8" x 1 1/2" Square Cut (1018)	1		
14	GF-1428	Grease Fitting 1/4" x 28 straight	2		
15	CH-60H-53	Roller Chain, 53 pitches #60H Bin Chain Drive(Pickle)	1		

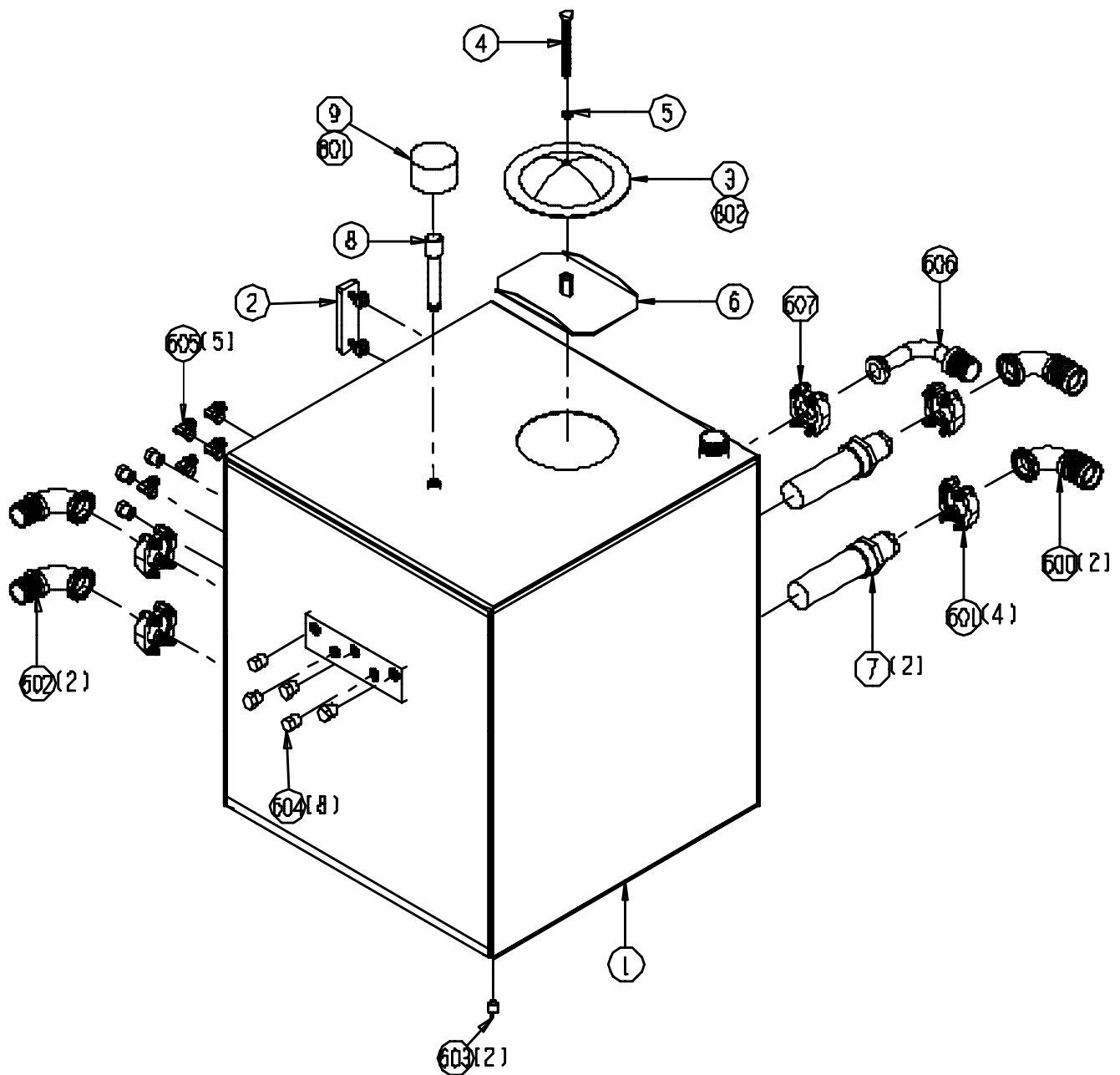
3104-8-4 BIN DISCHARGE DRIVE SHAFT ASSEMBLY



3104-10-1 Oil Tank Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	TAN-7000	Tank Oil Reservoir, 3100 Cucumber Harvester	1		
2	HA-1041	Hyd, Level Gauge & Therm	1	19201-	
3	HA-5070	Hydraulic Tank Cover w/Gasket	1	19501- 30095001-	
4	HA-5070E	Tank Cover Bolt	1	19501- 30095001-	
5	HA-5070B	Nylon Washer for Tank Cover Kit	1	19501- 30095001-	
6	HA-5070D	Tank Cover Holddown	1	19501- 30095001-	
7	HA-2002	Hydraulic Suction Screen, 2 1/2"	2		
8	HA-1009	Filter Adapter 3/4 NPT x 1"-12 UNF	1		
9	HA-1012	Vescor Breather Filter (3 micron)w/Adapter Fitting	1		
600	A-4459-40-32	Flange Nipple, 2-1/2" barb x 2" 90	2		
601	A-SFK-32	2" Split Flange Kit	4		
602	A-4459-32-32	Flange Nipple, 2" 90	2		
603	HA-1007	Hydraulic, Magnetic Drain Plug	2	11101-	
604	A-6408-8	8 SAE Plug	8		
605	A-6901-6-6	6 SAE x 3/8" FPX 90	5		
606	A-4459-24-24	Flange Nipple, 1 1/2" 90	1		
607	A-SFK-24	1 1/2" Split Flange Kit	1		
801	HA-1012A	Vescor Breather Element (3 micron)	1	HA-1012	w/o Adapter Fitting
802	HA-5070A	Replacement Gasket for Tank Cover Kit	1	HA-5070	

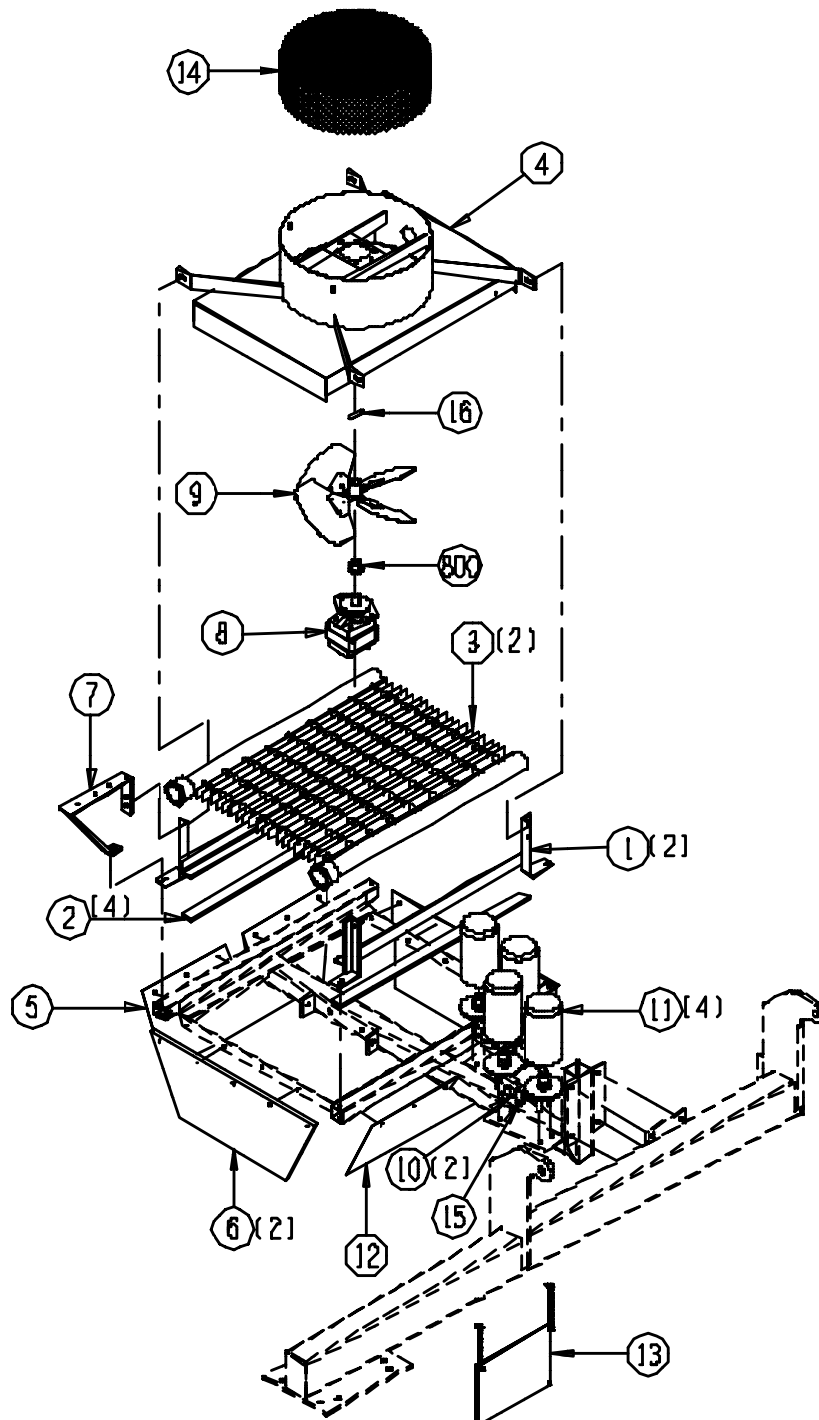
3104-10-1 OIL TANK ASSEMBLY



3104-10-2 Oil Cooler & Filter Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	110-1017	Mount, Oil Cooler Support	2		
2	RS-100	Rubber Oil Cooler Damper, .500 x 1.75 x 35.5	4	19401-	EPDM Sponge Rubber Sheeting
3	HA-1016	Hydraulic Oil Cooler Radiator w/o Mounting Kit & w/ SAE24 Ports	2		Replaces HA-1015
4	110-1016	Oil Cooler Shroud	1		
5	BT-8250	Shield Front & Back, Oil Cooler & Filter, HC290	1		
6	BT-8251	Shield RH & LH Side, Oil Cooler & Filter, HC290	2		
7	BRA-8250	Flow Control Mnt, Oil Cooler & Filter Mnt, HC290	1		
8	HM-412C	Hydraulic Motor	1	19101	Sub 191-412
9	FAN-290-18	Oil Cooler Fan, 18" with PU-JA-16 Bushing	1		PU-JA-16 Bushing included.
10	HA-1023-Z	Double Filter Head, Side by Side	2		
11	HA-1029	Hydraulic Fluid Filter	4		
12	BT-8252	Belting, Shielding, Front, Oil Cooler Assem, HC290	1		
13	DC-40414A	Decal, Danger...Do not Enter, Sort Entrance	1		
14	191-1082	Shield, Cooling Fan	1		
15	HA-1023A	Filter Gage	1		
16	BAR-FAN-290-18	Bar, Retainer, Cooling Fan	1		
17	DC-1175	Decal, Danger, Fan Blade	1		
600	A-SFK-32	2" Split Flange Kit	4		
601	A-4459-24-32	Flange Nipple, 1 1/2 - 2" 90	2		
602	A-4456-32-32	Flange Nipple, 2" 45	2		
800	PU-JA-14	JA Bushing, 7/8 bore, 1/4 keyway	1		

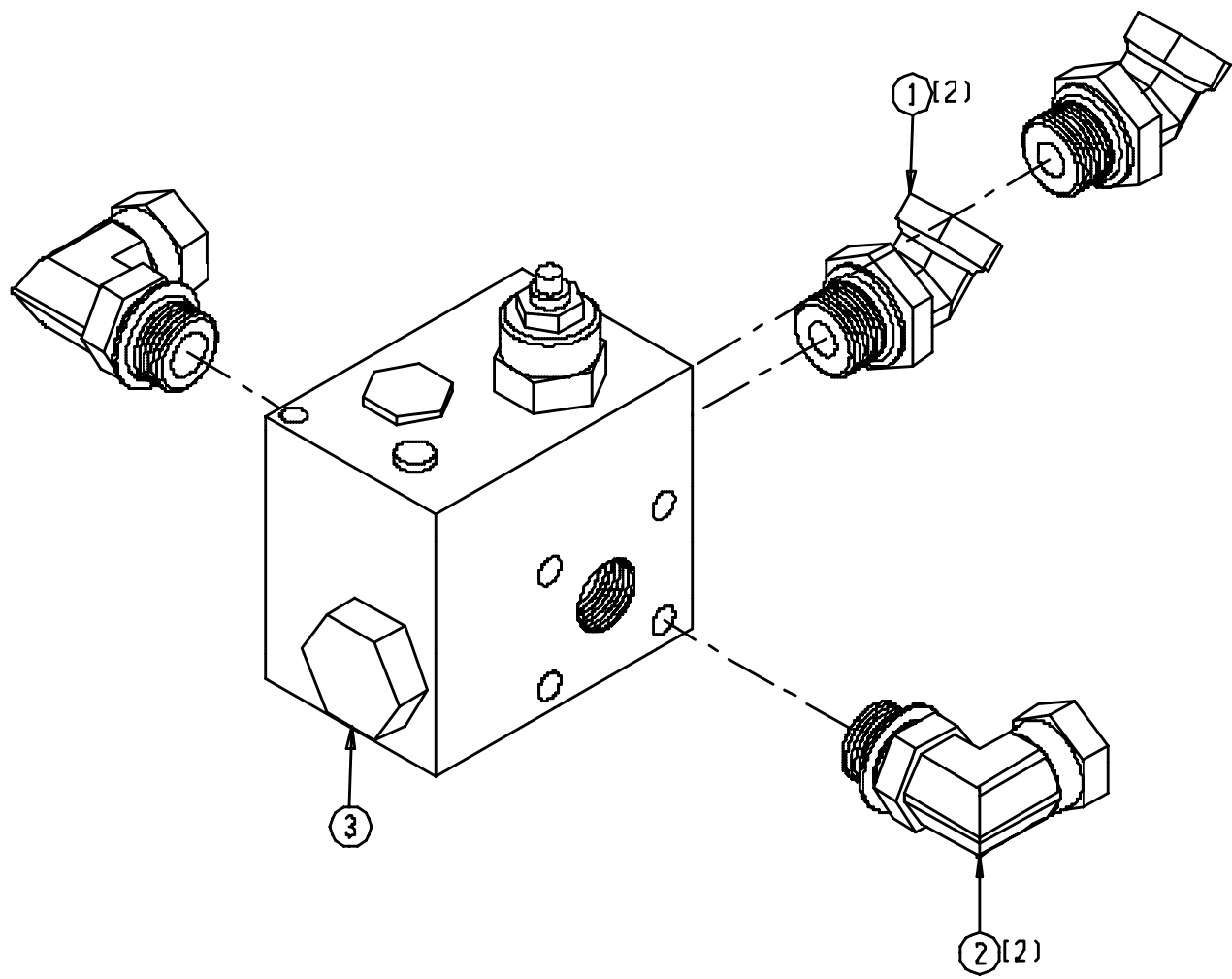
3104-10-2 OIL COOLER & FILTER ASSEMBLY



3104-10-5 Disk Header Valve Section Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	A-6902-12-12	12 SAE X 3/4" FPX 45	2		
2	A-6901-12-12	12 SAE x 3/4" FPX 90	2		
3	HA-430	Flow Control w/Check	1		

3104-10-5 DISK HEADER VALVE SECTION ASSEMBLY



3104-10-9 Hydraulic Motor Plumbing Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
0	H10-112-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 112in	2		
0	H10-143-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 143in	1		
0	H10-152-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 152in	3		
0	H10-15-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 15" long	1		
0	H10-160-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 160in	2		
0	H10-169-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 169in	2		
0	H10-28-8MP-8MP	5/8" hose 1/2MP x 1/2MP x 28" long	1		
0	H10-39-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 39in	1		
0	H10-46-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 46in	2		
0	H10-48-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 48 in long	2		
0	H10-52-8MP-8MP	5/8" hose 1/2MP x 1/2MP x 52" long	1		
0	H10-66-12MJ-8MP	5/8in Hose x 3/4mj x 1/2mp x 66in	1		
0	H10-75-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 75 in long	1		
0	H10-76-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 76in	1		
0	H10-78-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 78in	1		
0	H10-82-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 82 in long	1		
0	H10-84-8MP-12MJ	5/8in Hose x 1/2mp x 3/4mj x 84in	1		
0	H10-87-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 87 in long	1		
0	H10-88-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 88 in long	1		
0	H10-89-8MP-8MP	5/8in Hose x 1/2mp x 1/2mp x 89in	1		
0	H12-106-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 106in	1		
0	H12-112-16MJ-12MP	3/4in Hose x 1mj x 3/4mp x 112in	1		
0	H12-12-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 12in	1		
0	H12-123-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 123in	1		
0	H12-130-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 130in	1		
0	H12-132-12MP-12MP		1		
0	H12-154-12MP-12MP	3/4in Hose x 12mp x 12mp x 154in	1		
0	H12-173-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 173in	2		
0	H12-21-12MP-	3/4in Hose x 3/4mp x 3/4mp x 21in	1		

12MP				
0	H12-42-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x42in	1	
0	H12-60-12MP-16MJ	3/4in Hose x 3/4mp x 1mj x 60in	1	
0	H12-63-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 63in	1	
0	H12-72-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 72in	1	
0	H12-82-12MP-12MP	3/4 in hose 3/4MP x 3/4MP x 82 in long	1	
0	H12-84-16MJ-12MP	3/4in Hose x 1mj x 3/4mp x 84in	1	
0	H12-86-12MP-16MJ	3/4in Hose x 3/4mp x 16mj x 86in	1	
0	H12-89-12MP-12MP	3/4in Hose x 5/8mp x 5/8mp x 89in	1	
0	H12-90-16MJ-12MP	3/4in Hose x 1mj x 3/4mp x 90in	1	
0	H12-95-12MP-12MP	3/4in Hose x 3/4mp x 3/4mp x 95	4	
0	H12-95-12MP-16MJ	3/4in Hose x 3/4mp x 1mj x 95in	1	
0	H24-252	1 1/2in Hose x 252 in Long	1	
0	H24-50	1 1/2in Hose x 50in	2	
0	H32-105	2in Hose x 105in	1	
0	H32-95	2in Hose x 95in	1	
0	H40-S-188	2 1/2in Suction Hose x 188in	2	
0	H6-PL-163	3/8" Push Loc Hose 163" long	1	
0	H-T12-168	3/4" Air Line, 168" Long	3	
0	H-T16-168	1" Air Line, 168" Long	2	
1	A-6901-10-12	10 SAE x 3/4 FPX90	5	HV-1045K
2	A-6901-10-8	10 SAE x 1/2 FPX90	6	
3	A-6901-12-8	12 SAE x 1/2" FPX 90	4	
4	A-6901-12-12	12 SAE x 3/4" FPX 90	10	
5	A-6900-10-12	10 SAE x 3/4 FPX	8	
6	A-6900-12-8	12 SAE x 1/2" FPX	10	
9	A-6902-10-8	10 SAE X 1/2" FPX 45	11	20095001-
11	A-1501-8-8	1/2 MP x 1/2 FPX90	3	
13	A-1501-12-12	3/4MP x 3/4 FPX 90	2	
14	A-4601-24-24	1 1/2 x 24 SAE 90 Male O-Ring Beaded Insert	3	
15	A-6902-10-12	10 SAE X 3/4" FPX 45	1	
16	A-6408-10	10 SAE Plug	4	

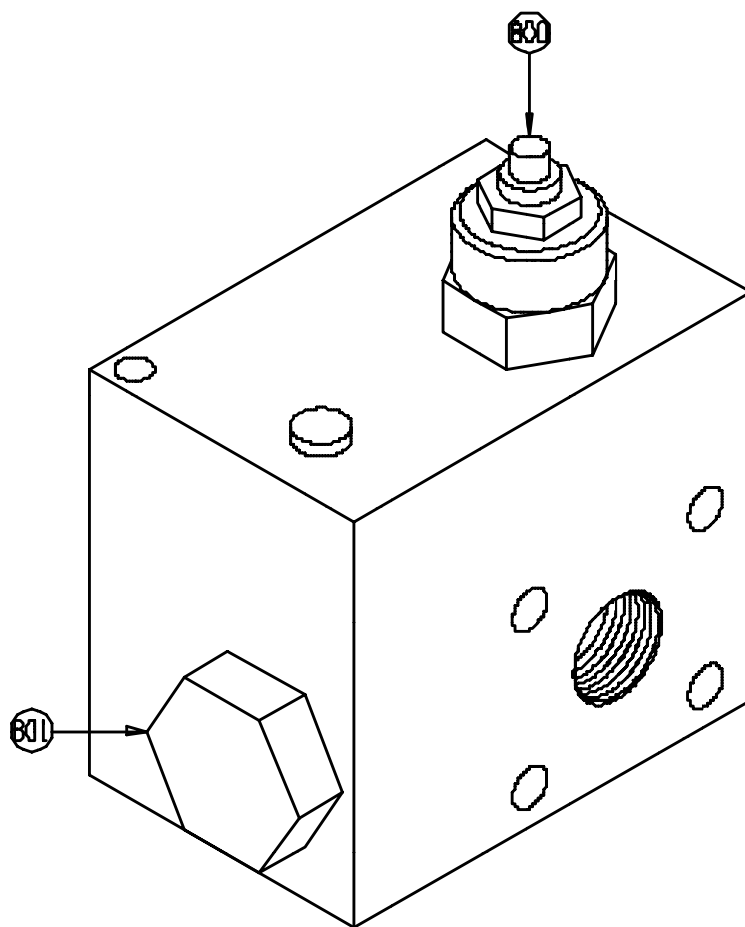
18	A-4601-24-24-10	1-1/2 Beaded x 24 SAE Male O-Ring w/10 SAE Port	1
21	A-4459-24-24	Flange Nipple, 1 1/2" 90	2
22	A-SFK-24	1 1/2" Split Flange Kit	2
23	CL-200	1½" Hose Clamp, Heavy Duty T-Bar, 1.89-2.00"	10
24	CL-201	2" Hose Clamp, Heavy Duty T-Bar, 2.25-2.5"	4
25	CL-250	T-Bolt Clamp for 2 1/2" Suction Hose	4
26	A-SFK-32	2" Split Flange Kit	10
27	A-4459-40-32	Flange Nipple, 2-1/2" barb x 2" 90	4
29	A-4459-24-32	Flange Nipple, 1 1/2 - 2" 90	2
30	A-4456-32-32	Flange Nipple, 2" 45	2



3104-10-10 Hydraulic Flow Control w/out Relief Parts

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
800	HA-428-NV	Needle Valve Cartridge for Flow Control	1		
801	HA-428-EP	Cartridge	1		

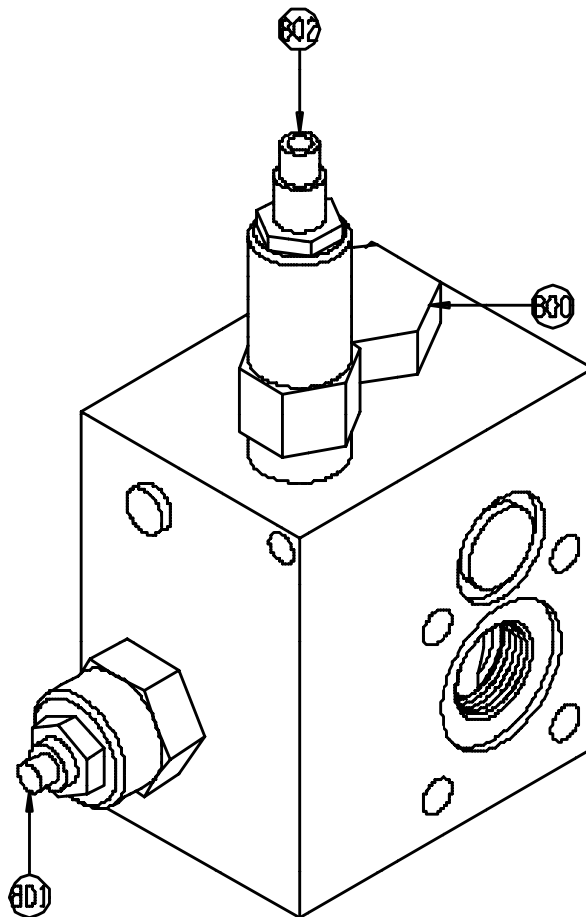
3104-10-10 HYDRAULIC FLOW CONTROL
W/OUT RELIEF PARTS



3104-10-11 Hydraulic Flow Control w/ Relief Parts

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
800	HA-428-EP	Cartridge	1		
801	HA-428-NV	Needle Valve Cartridge for Flow Control	1		
802	HA-429-RV	Relief Valve, Cartridge	1		

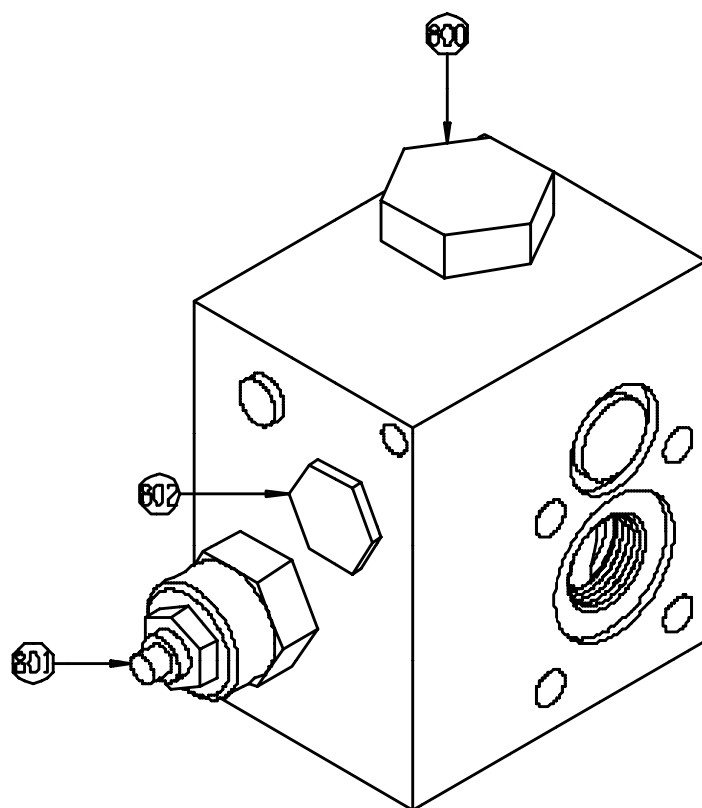
3104-10-11 HYDRAULIC FLOW CONTROL
W/ RELIEF PARTS



3104-10-12 Hydraulic Flow Control w/ Check Valve Parts

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
800	HA-428-EP	Cartridge	1		
801	HA-428-NV	Needle Valve Cartridge for Flow Control	1		
802	HA-430-CV	Check Valve, Cartridge	1		

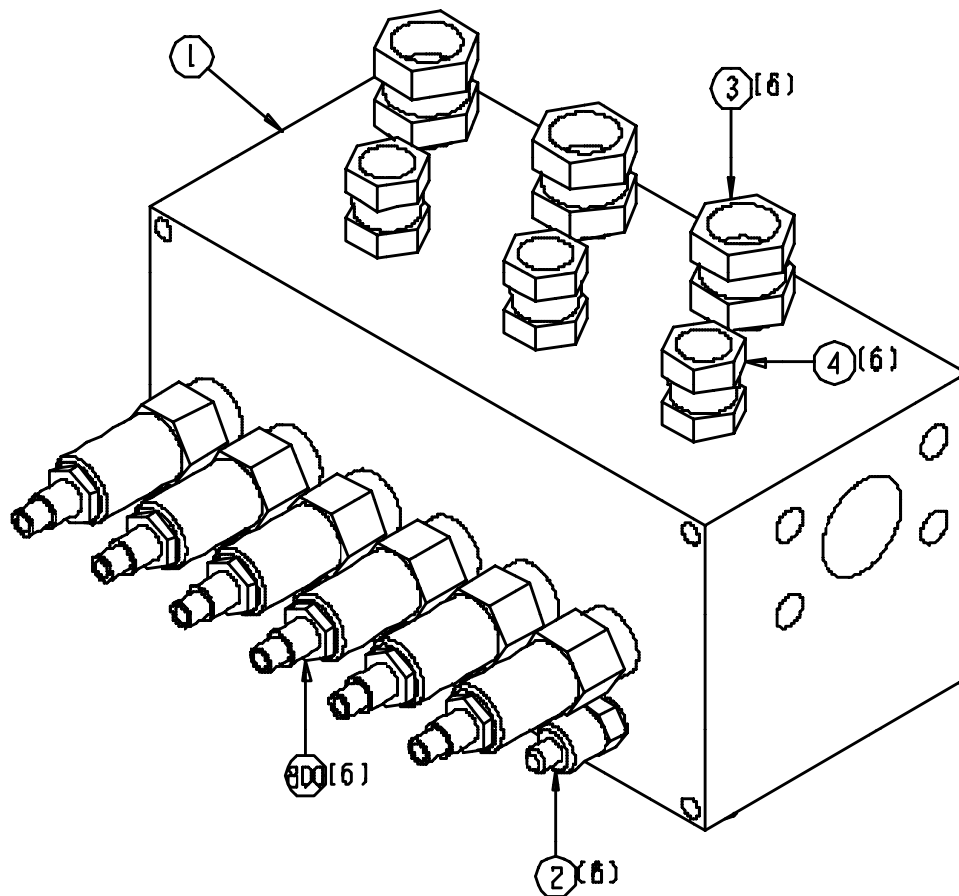
3104-10-12 HYDRAULIC FLOW CONTROL
W/ CHECK VALVE PARTS



3104-10-14 Hydraulic Relief Bank Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-724	Relief Manifold w/Common Return	1		
2	HA-1004-4	Test Point Plug #4 SAE Thread	6		
3	A-6900-12-12	12 SAE x 3/4"FPX	6		
4	A-6900-10-8	10 SAE x 1/2 FPX	6	20095001-	
800	HA-724-RV	Relief Valve Cartridge, for HA-724	6		

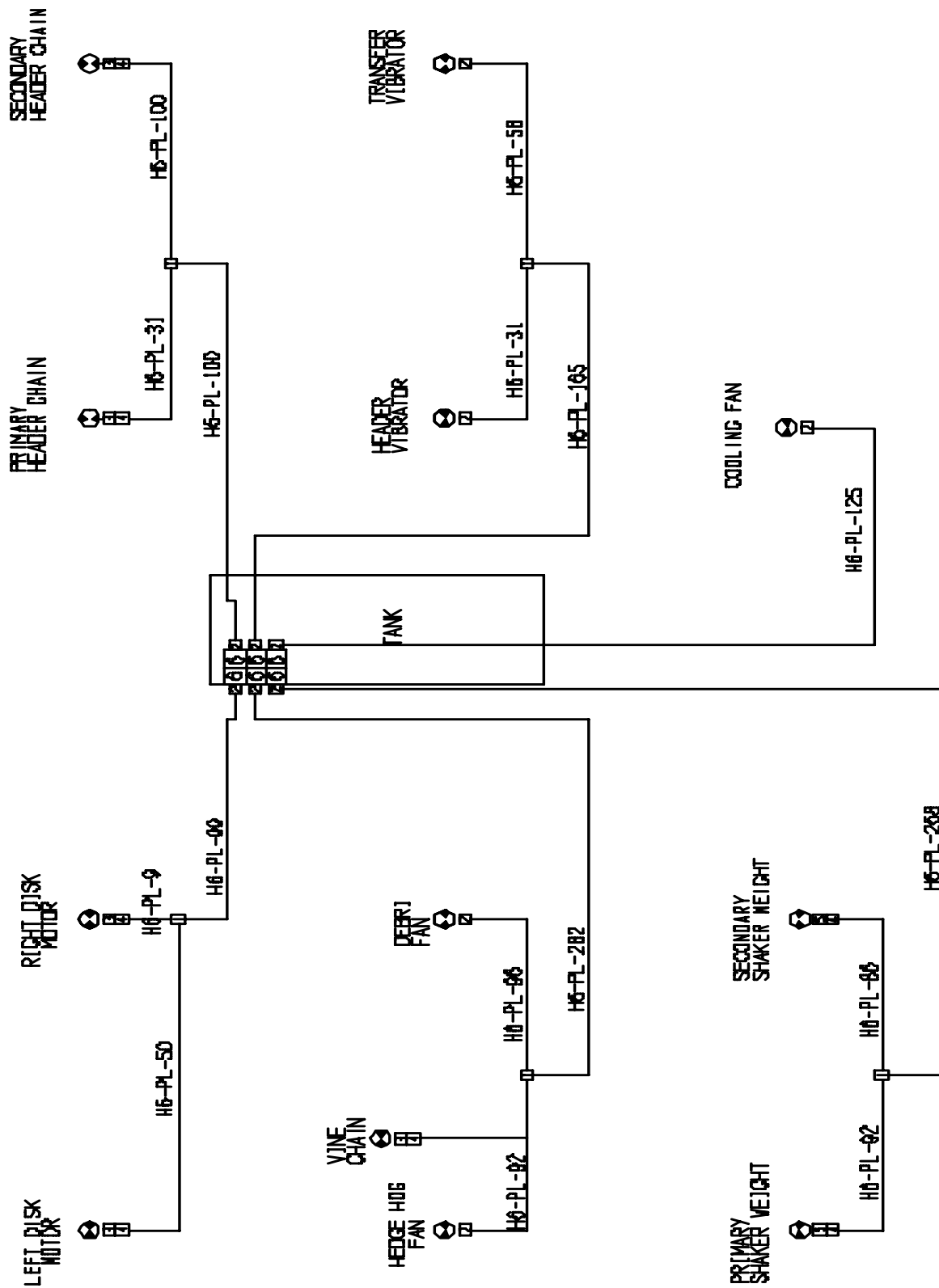
3104-10-14 HYDRAULIC RELIEF BANK ASSEMBLY



3104-10-15 Hydraulic Motor Case Drain Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	ATB-06-06-06	3/8" x 3/8" x 3/8" Brass Hose Barb Tee	5		CL-10 needs to be used with this tee.
2	A-4124-6-6	3/8 Male Pipe x 3/8 Push Loc	11		
3	A-6901-4-4	4 SAE X 1/4 FPX 90	5		
4	A-4124-6-4	1/4 Male Pipe x 3/8 Push Loc	7	HV-1045K	
5	ASL-4	1/4" Black Street Elbow	2		
6	A-6901-6-6	6 SAE x 3/8" FPX 90	6		
600	H6-PL-50	3/8" Push Loc Hose 50"	1		
601	H6-PL-9	3/8" Push Loc Hose 9"	1		
602	H6-PL-99	3/8" Push Loc Hose 99"	1		
603	H6-PL-92	3/8" Push Loc Hose 92"	2		
604	H6-PL-96	3/8" Push Loc Hose 96"	1		
605	H6-PL-282	3/8" Push Loc Hose 282"	1		
606	H6-PL-86	3/8" Push Loc Hose 86"	1		
607	H6-PL-268	3/8" Push Loc Hose 268"	1		
608	H6-PL-31	3/8" Push Loc Hose 31"	2		
609	H6-PL-100	3/8" Push Loc Hose 100"	2		
610	H6-PL-58	3/8" Push Loc Hose 58"	1		
611	H6-PL-165	3/8" Push Loc Hose 165"	1		
612	H6-PL-125	3/8" Push Loc Hose 125"	1		

PIK RTE 3100 CUCUMBER HARVESTER BLEEDER LINE SCHEMATIC \ ASSEMBLY 3104-10-15 7/1/04

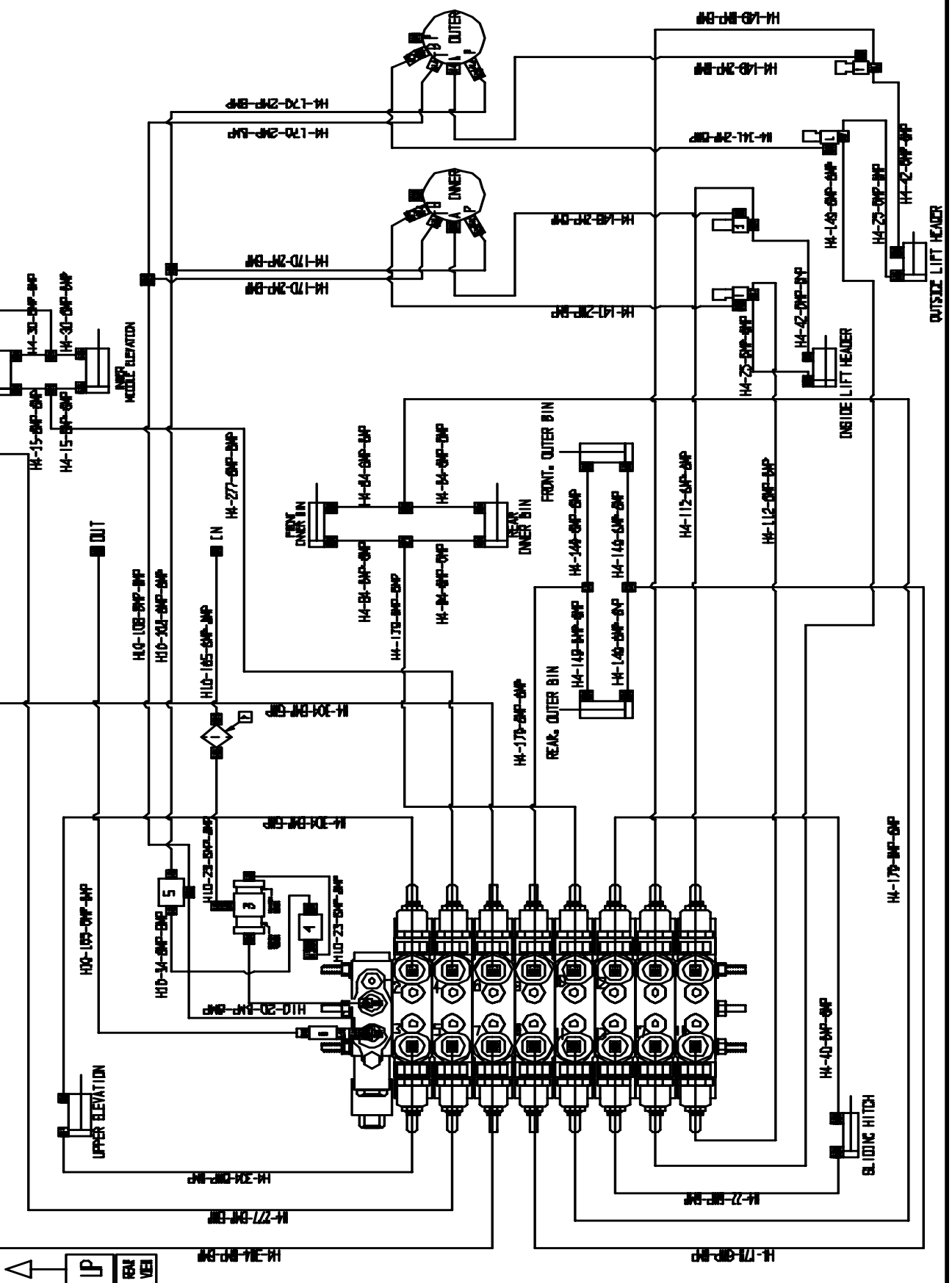


3104-11-1 Hydraulic Cylinder Plumbing Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
0	H10-108-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 108 in long	2		
0	H10-172-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 172 in long	2		
0	H10-20-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 20 long	1		
0	H10-23-8MP-8MP	5/8" hose 1/2MP x 1/2MP x 23" long	2		
0	H10-34-8MP-8MP	5/8 in hose 1/2MP x 1/2MP x 34 in long	1		
0	H4-112-6MP-6MP	1/4 IN HOSE 3/8MP x 3/8MP x 112 LONG	2		
0	H4-141-2MP-6MP	1/4 in. hose 2mp x 6mp x141 in. long	2		
0	H4-148-2MP-6MP	1/4 in. Hose 2mp x 6mp x 148 in long	2		
0	H4-149-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 149 in long	6		
0	H4-15-6MP-6MP	1/4 in. hose x 6mp x 6mp 15 in. long	2		
0	H4-170-2MP-6MP	1/4 in hose 1/8MP x 3/8MP x 170 in long	4		
0	H4-179-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 179 in long	4		
0	H4-22-6MP-6MP	1/4" hose 3/8MP x 3/8MP x 22" long	1	20095001-	
0	H4-25-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 25 in long	2	59701-	
0	H4-277-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 277 in long	2		
0	H4-304-6MP-6MP	1/4 in. hose 3/8mp x 3/8mp x 304 in. long	4		
0	H4-30-6MP-6MP	1/4 IN HOSE 3/8MP x 3/8MP x 30 LONG	2		
0	H4-40-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 40 in long	1		
0	H4-42-6MP-6MP	1/4" hose 3/8MP x 3/8MP x 42" long	2		
0	H4-84-6MP-6MP	1/4 in hose 3/8MP x 3/8MP x 84 in long	4		
1	HV-1977	Header Height, Leveling Circuit Valve	4		
2	HA-1037	Pressure Filter	1		Most machines 1997 and previous used Parker filter. 1998> Zinga style
3	HV-FD-30	Flow Divider Used With Open Center Tractors	1		E00-01
4	FM-0110	Inline Flow Meter, 1-10 GPM @ 3500 PSI	1		
5	HV-RV-3H	Relief Valve w/ SAE #10 Ports	1		
6	HV-CKV-800S	1/2" Parker Check Valve	1		
601	A-1501-8-8	1/2 MP x 1/2 FPX90	4		
603	A-6900-8-6	8 SAE x 3/8" FPX With 7/8" Stock Body	17	20095001-	
604	A-6901-10-8	10 SAE x 1/2 FPX90	7		
605	A-6901-12-8	12 SAE x 1/2" FPX 90	4		
606	A-6901-8-6	8 SAE x 3/8" FPX90	23	20095001-	
607	A-6955-8-6-6	8 SAE x 3/8" FPX Tee	4		

608	A-QD2010-8-8	Tractor Quick Coupler, Male, 1/2" w/ FPT	2
609	A-1602-8-6-6	1/2 FP x 3/8 FPX x 3/8 FPX TEE	2
610	A-6405-16-8	16 SAE x 1/2"FP	1
611	A-1601-8-8-8	1/2 MP x 1/2 FPX x 1/2 FPX Tee	1
613	HA-1004-4	Test Point Plug #4 SAE Thread	1
614	A-6900-4-2	4 SAE x 1/8" FPX	8
615	A-6901-4-2	4 SAE x 1/8" FPX90 With 9/16" Body	4
616	A-5404-8-8	Hex Nipple 1/2" x 1/2"	1
618	A-1404-8-8	1/2 MP to 1/2 FPX, Straight	1
619	A-6408-4	4 SAE Plug	2
620	A-1603-6-6-6	Swivel T 3/8" NPTF	6

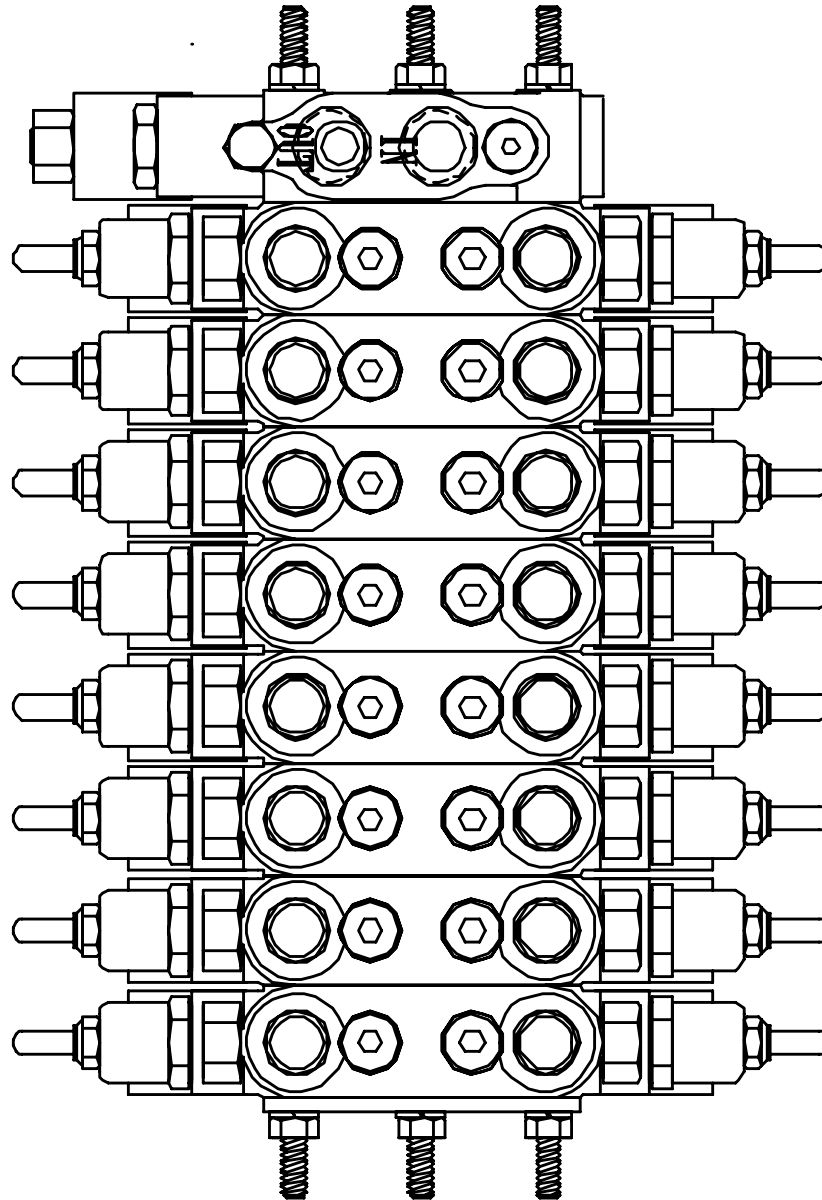
3104-11-1 HYDRAULIC CYLINDER PLUMBING ASSEMBLY



3104-11-2 Hydraulic Cylinder Control Bank

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HVB-1049	Directional Control Valve Bank, 8 Section, 36 Series	1		

3104-11-2 HYDRAULIC CYLINDER CONTROL BANK

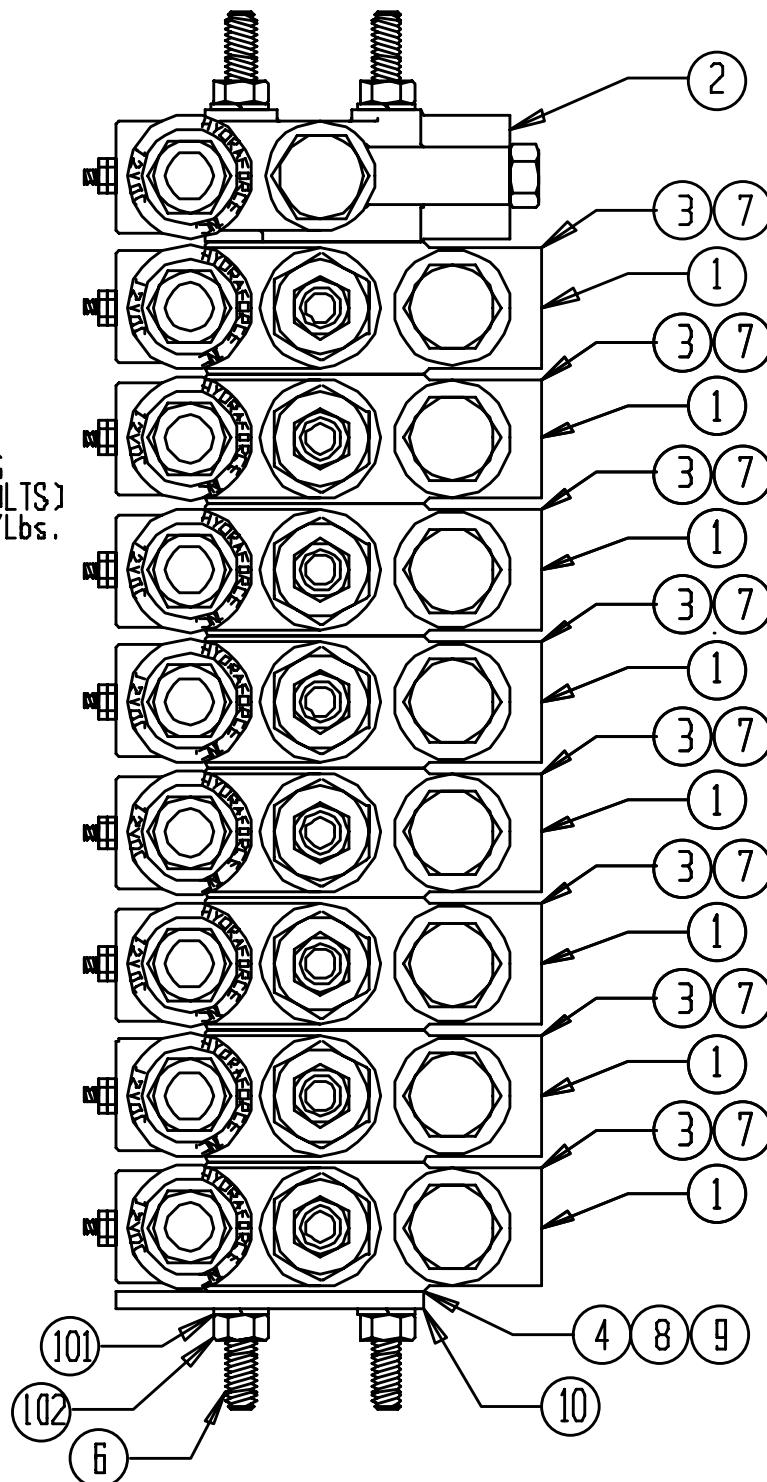


3104-11-3 Electric/Hydraulic Valve Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HVE-1036BL	Brand Valve Section with Locks	8	HVE-1076, HVE-3046,	Complete,w/o Cartridges & Coils
2	HVE-1036C	Unloaded Inlet Section	1		
3	HVE-1036S	Shim (Between Sections)	24		
4	HVE-1037H	O Ring (Parker #2-012)	3		
6	HVE-1037M	Tie Rod Kit for Tomato Harvester	1		
7	HVE-1037O	O-Ring, Buna N 90 Durometer	24		
8	HVE-1037Q	Backup for O-Ring (Parker #3-012)	3		
9	HVE-1046C	Plug, End Section, Brand Valve	3		
10	HVE-1046Z	End Plate, Valve Stack	1		
101	BL-5-LW	5/16 SPLIT LW ZC	6		
102	BL-5-N	5/16 UNF FIN HEX NUT A563 GrA ZINC	6		
800	TL-790-KIT	Brand Valve Repair Kit	1		

3104-11-3 ELECTRIC/HYDRAULIC. VALVE ASSEMBLY

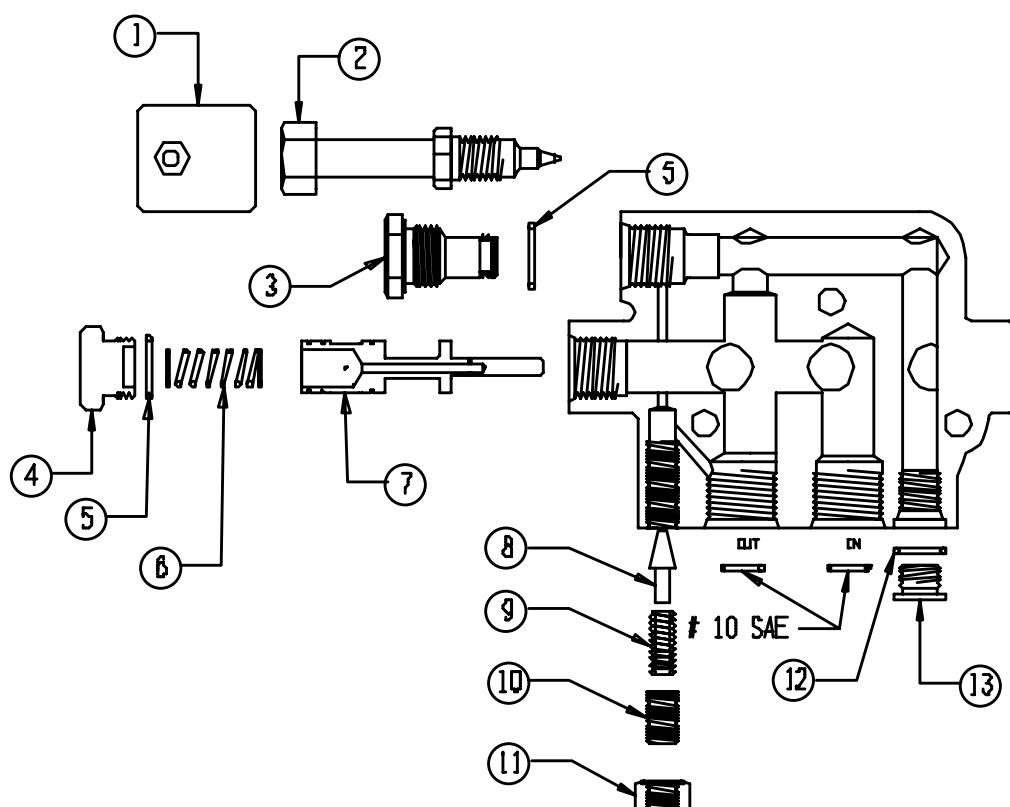
NOTE:
TORQUE NUTS
(ON LONG BOLTS)
TO 95 Inch/Lbs.



3104-11-4 Electric/Hydraulic Unloading Inlet Section

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HVE-1036P	Coil	1		Replaces HA-431-B on Manifold Block.
2	HVE-1036N	Unloading Section Cartridge	1		
3	HVE-1036D	Closed Center Plug	1		
4	HVE-1037D	Unloading Cap	1		
5	HVE-1037P	O-Ring	2		
6	HVE-1037B	Unloading Spring	1		
7	HVE-1037C	Unloading Spool	1		
8	HVE-1037A	Relief Poppet	1		
9	HVE-1036K	Unload Section 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	A-6408-5HHP	#5 SAE Hollow Hex Plug	1		Replaces HVE-1037V

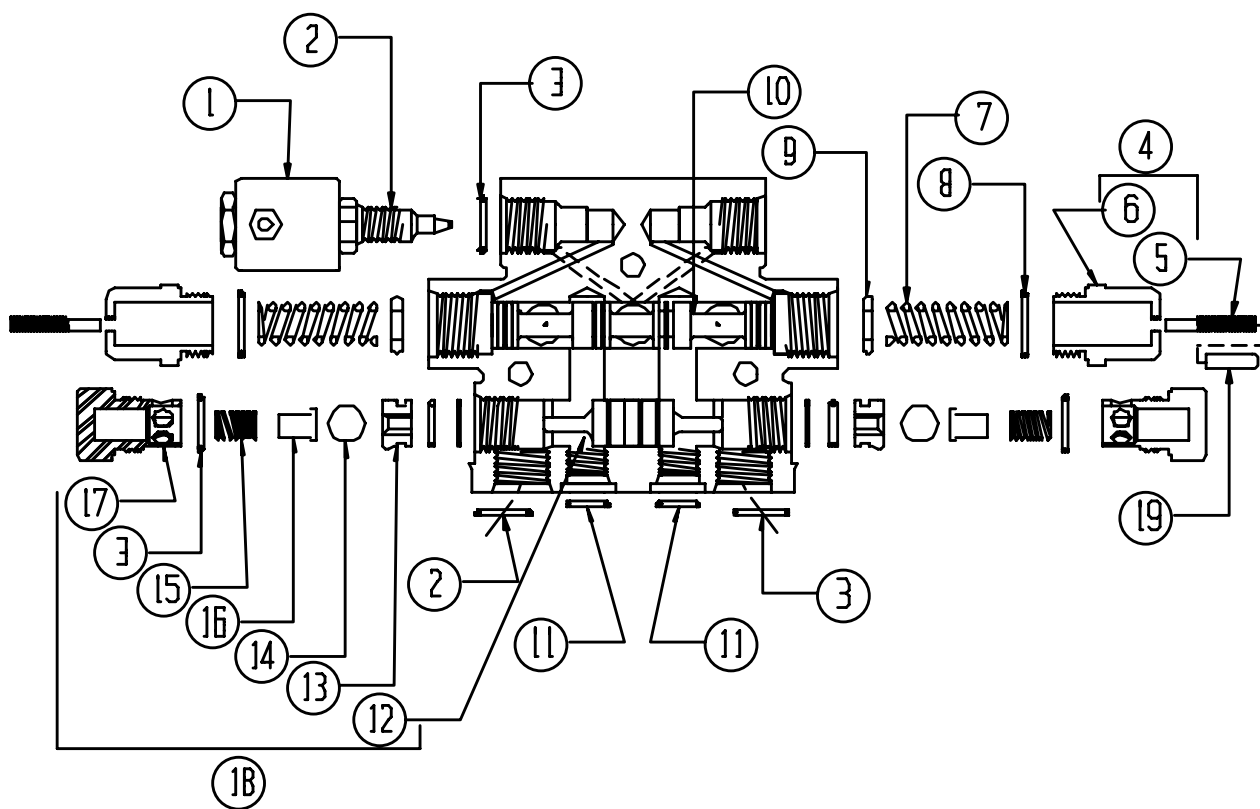
3104-11-4 ELECTRIC/HYDRAULIC UNLOADING INLET SECTION



3104-11-5 Ele./Hyd. Double Locking Valve Section

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HVE-1036P	Coil	2		Replaces HA-431-B on Manifold Block.
2	HVE-1036M	Work Section Cartridge	2		
3	HVE-1037P	O-Ring	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		Replaces # HVE-1036L
8	HVE-1036X	"O" Ring for End Cap	2		
9	HVE-1046V	End spacer for Work Section	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-1046T	Seat, Delrin	2		REPLACES HVE-1046U & HVE-1047U
14	HVE-1047R	7/16" Steel Ball	2		
15	HVE-1046S	Spring	2		
16	HVE-1047Q	7/16" Spring Plunger	2		
17	HVE-1047W	End Cap, Double Lock Spring Retainer for 7/16" Ball	2		
18	HVE-1047KS	7/16" Double Lock Rebuild Kit W/Delrin Seat	1		
19	HVE-1036R-PC	Plastic Cover for Manual Override Kit	2		
20	A-6408-6HHP	#6 SAE Hollow Hex Plug	2		

3104-11-5 ELECT./HYD. VALVE DOUBLE LOCK SECTION



3104-12-1 Standard Grease Banks

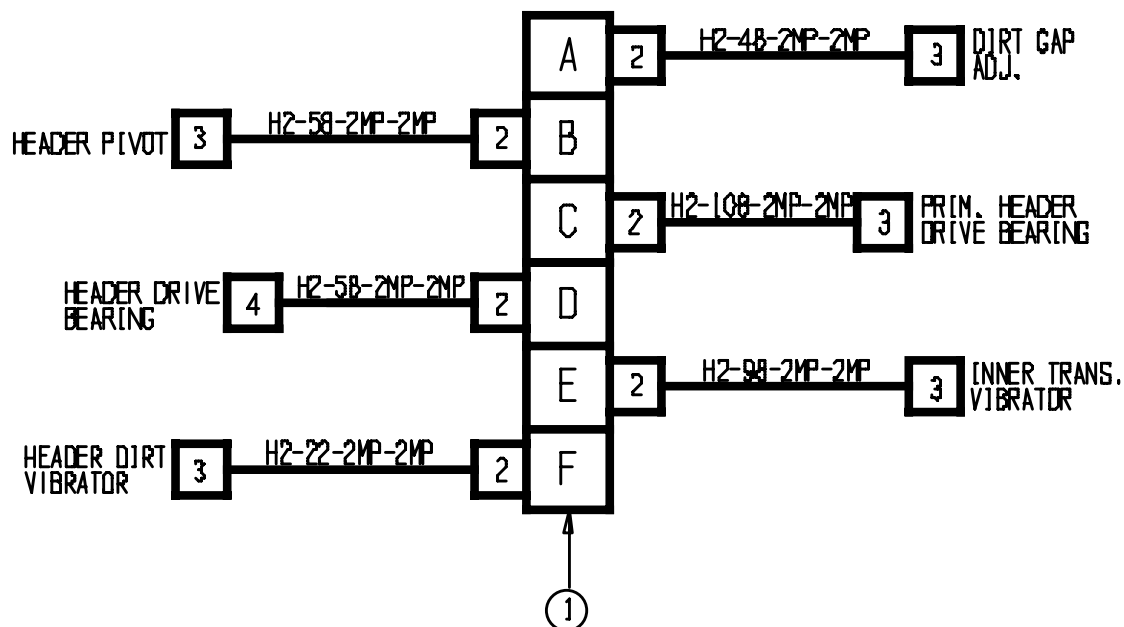
<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	GF-6-6	Grease Bank Manifold	2		
2	A-1404-2-2	1/8 MP x 1/8 FPX	12		
3	GFA-310912	1/4"-28 45 Adapter	5		
4	GFA-51943	1/4"-28 90 Adapter	1		
5	GFA-51942	1/4"-28 Straight Adapter	6		
600	H2-58-2MP-2MP	1/8 in Hose 1/8MP x 1/8MP x 58 in Long	2		
601	H2-22-2MP-2MP	1/8 in Hose 1/8MP x 1/8MP x 22in	1		
602	H2-48-2MP-2MP	1/8 in grease hose 1/8MP x 1/8MP x 48 in long	1		
603	H2-108-2MP-2MP	1/8in Hose x 1/8MP x 1/8MP x 108in	1		
604	H2-98-2MP-2MP	1/8 in Hose x 2MP x 2MP x 98in	1		
605	H2-90-2MP-2MP	1/8 in Hose x 1/8MP x 1/8MP x 90in	1		
606	H2-60-2MP-2MP	1/8 in Hose x 1/8MP x 1/8MP x 60in	1		
607	H2-38-2MP-2MP	1/8 in grease hose 1/8MP x 1/8MP x 38 in long	1		
608	H2-56-2MP-2MP	1/8in Hose x 1/8MP x 1/8MP x 56in	1		
609	H2-54-2MP-2MP	1/8in Hose x 1/8MP x 1/8MP x 54in	1		
610	H2-52-2MP-2MP	1/8in Hose x 1/8MP x 1/8MP x 52in	1		

3104-12-1 STANDARD GREASE BANKS

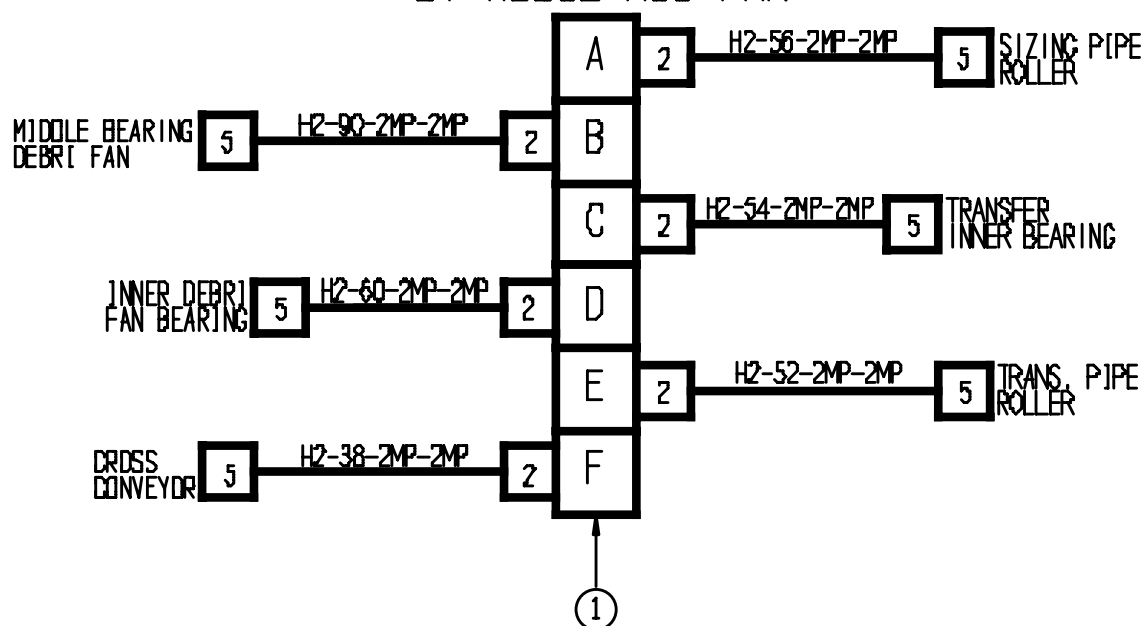
NOTE:

- GREASE ALL PIVOT POINT LOCATIONS EVERY 10 HOURS
- GREASE ALL BEARING LOCATIONS 50 HOURS

FRONT GREASE BANK UNDER ELEVATION



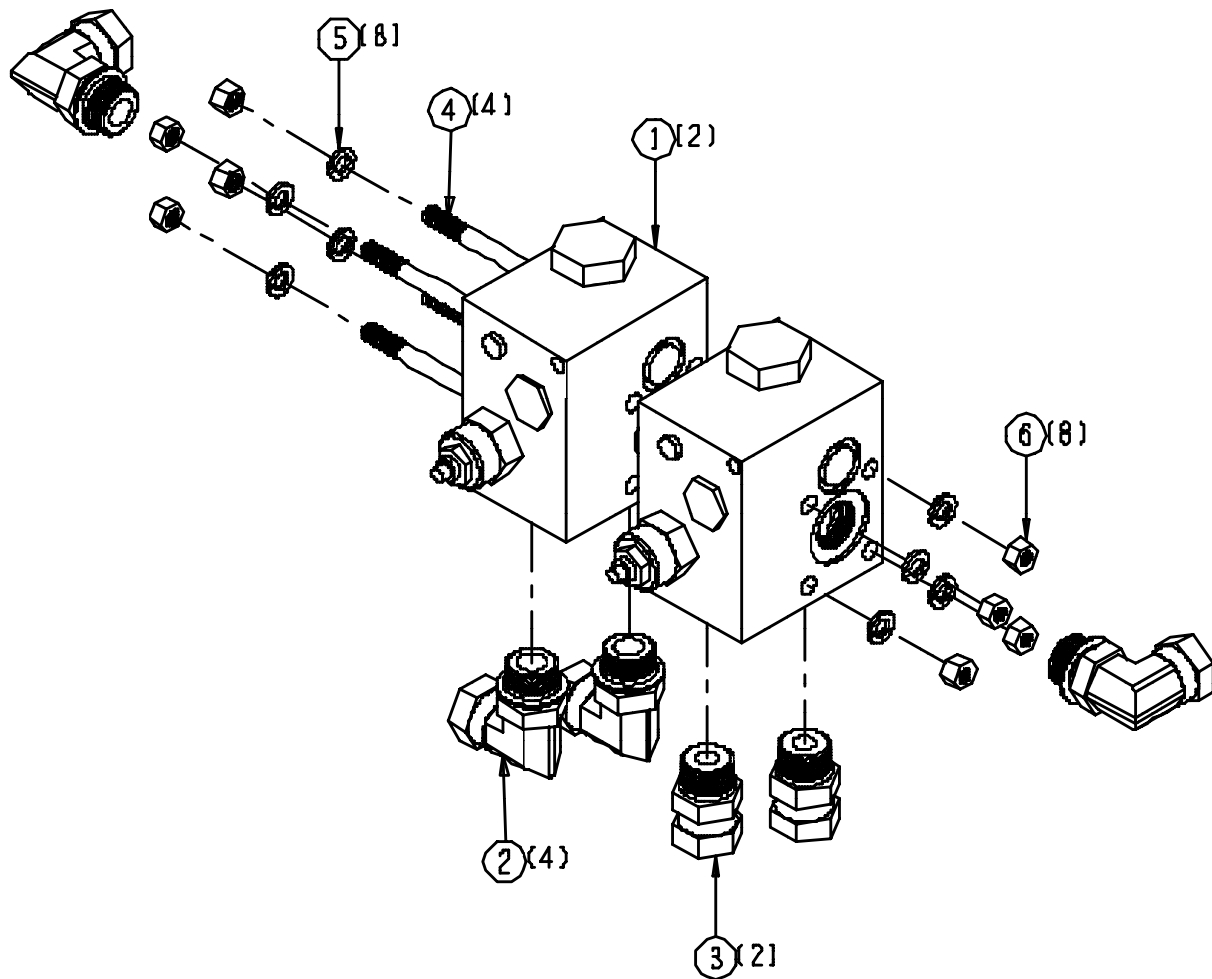
REAR GREASE BANK BY HEDGE HOG FAN



3104-15-1 Hedge Hog & Debris Fan Valve Control

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-430	Flow Control w/Check	2		
2	A-6901-12-12	12 SAE x 3/4" FPX 90	4		
3	A-6900-12-12	12 SAE x 3/4"FPX	2		
4	BL-6-7125-B7	3/8-16 x 7-1/8 B7 THREADED ROD	4		
5	BL-6-LW	3/8 SPLIT LW ZC	8		
6	BL-6-N	3/8-16 HEX NUTS ZC	8		

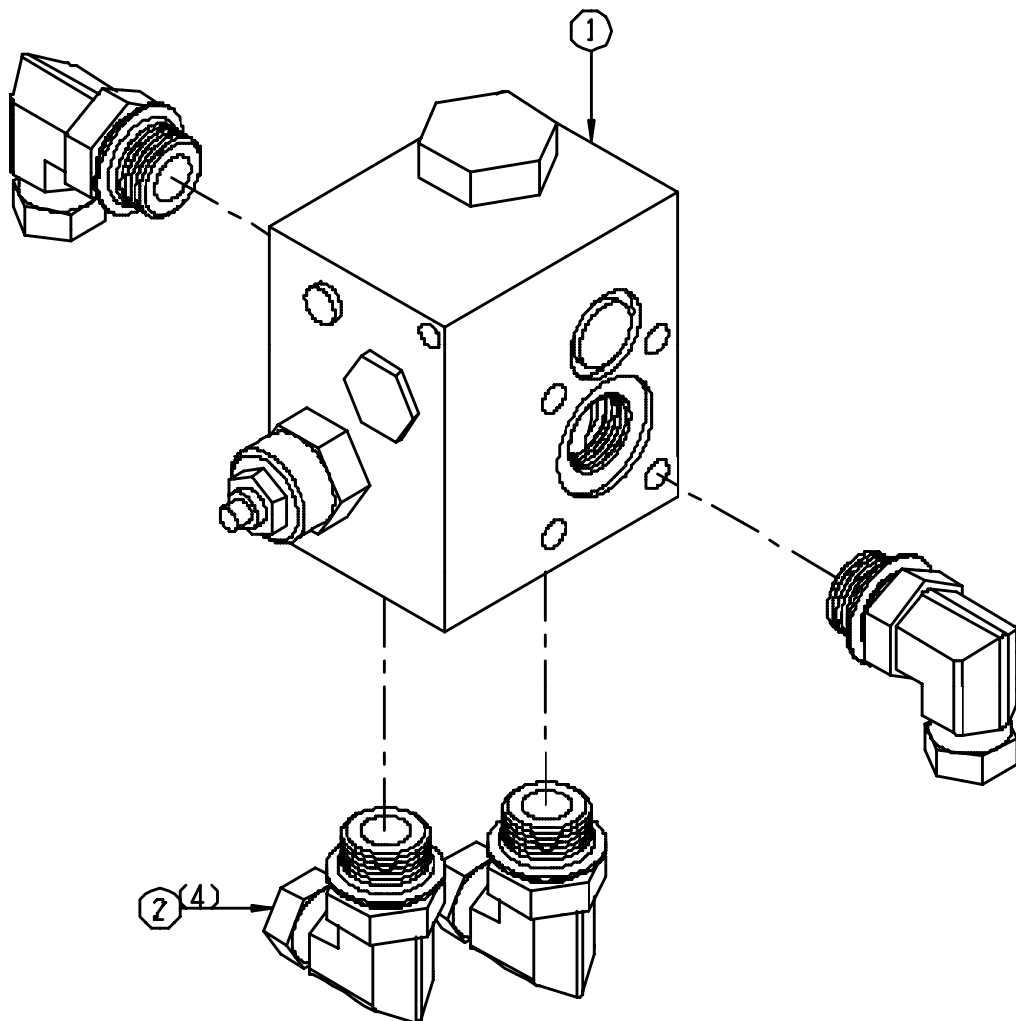
3104-15-1 HEDGE HOG FAN & DEBRIS FAN



3104-15-2 Primary Shacker Rotation Valve Control

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-428	Flow Control (Only)	1		
2	A-6901-12-8	12 SAE x 1/2" FPX 90	4		

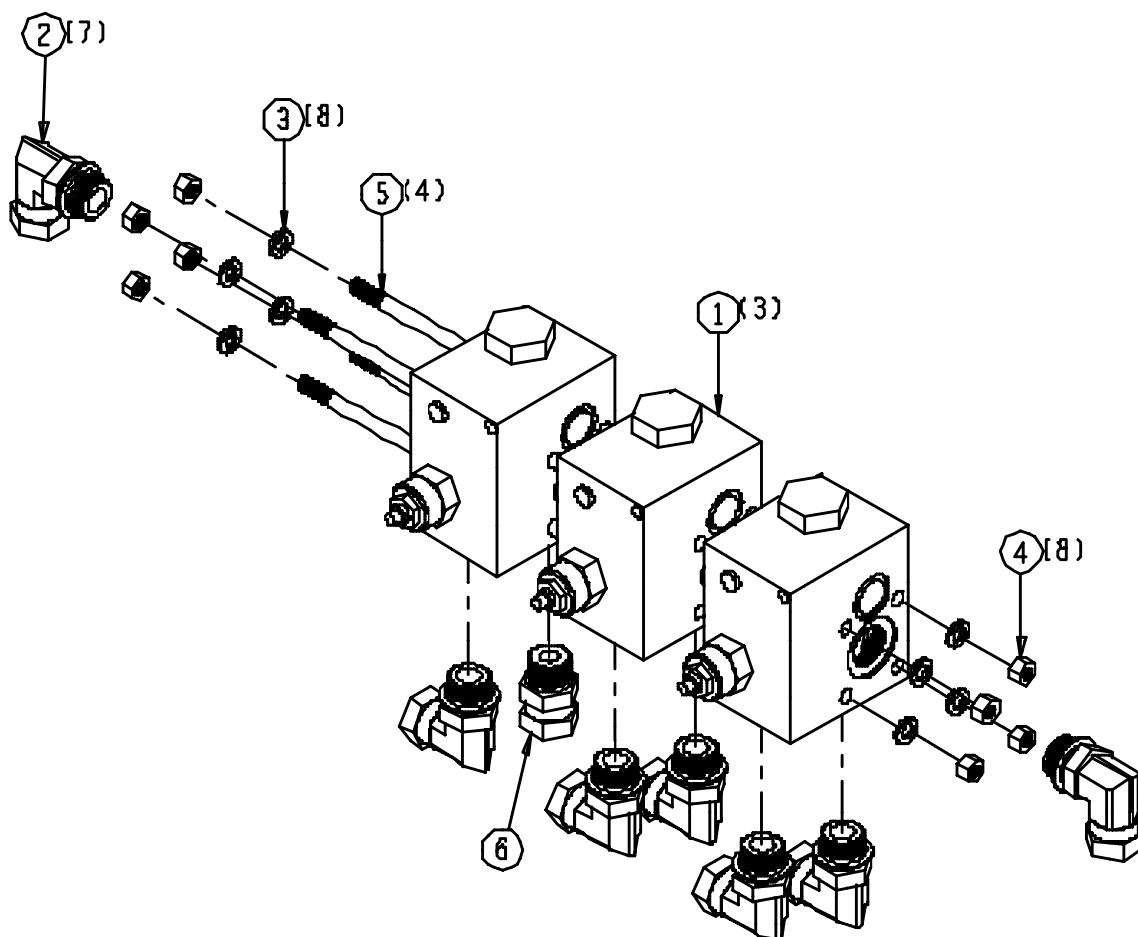
3104-15-2 PRIMARY ROTATION



3104-15-3 Transfer Chain, Header & Transfer Vibrator Control

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-428	Flow Control (Only)	3		
2	A-6901-12-8	12 SAE x 1/2" FPX 90	7		
3	BL-6-LW	3/8 SPLIT LW ZC	8		
4	BL-6-N	3/8-16 HEX NUTS ZC	8		
5	BL-6-10125-B7	3/8-16 x 10-1/8 B7 Threaded Rod	4		
6	A-6900-12-8	12 SAE x 1/2" FPX	1		

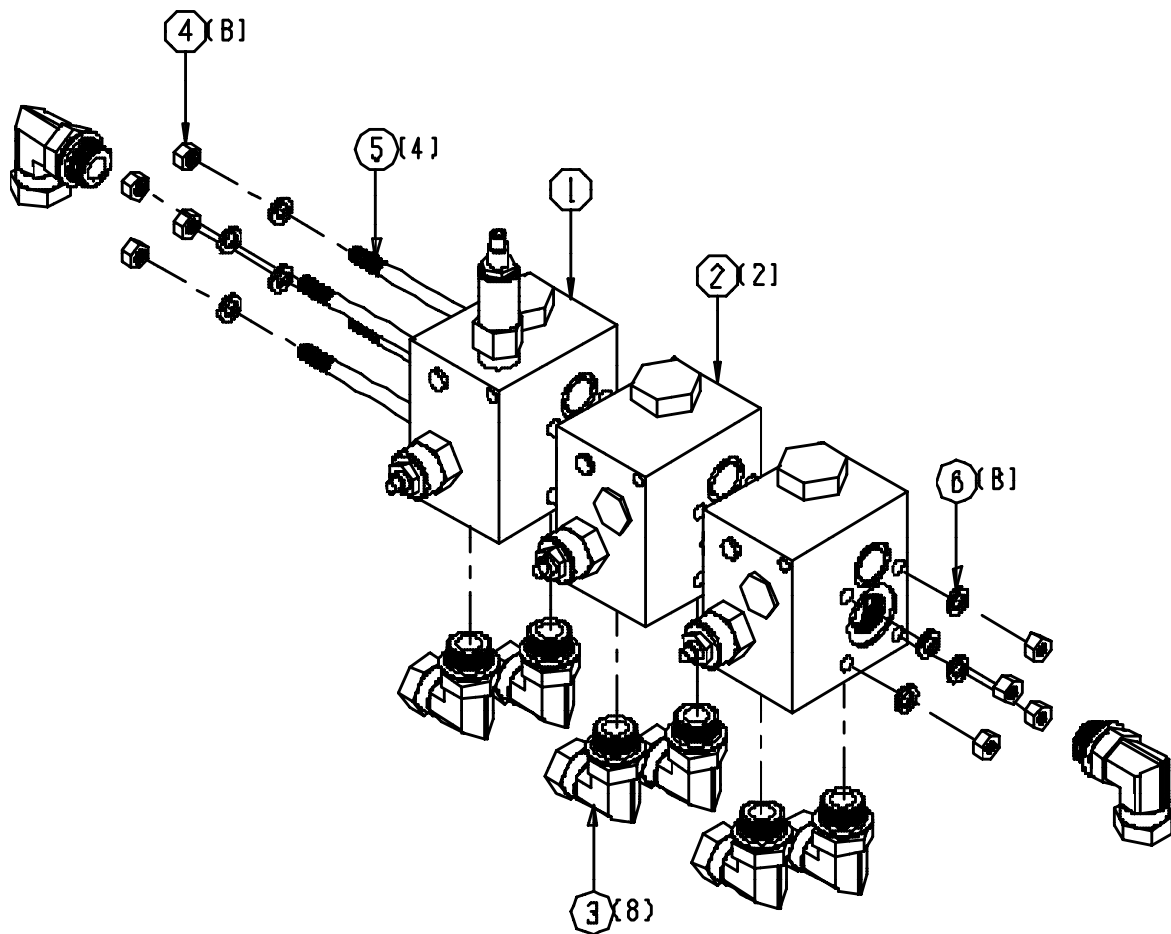
3104-15-3 TRANSFER CHAIN, HEADER & TRANSFER VIBRATOR CONTROL



3104-15-4 Vine Chain, Primary & Shaker Weight Control

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-429	Flow Control w/Relief	1		
2	HA-430	Flow Control w/Check	2		
3	A-6901-12-12	12 SAE x 3/4" FPX 90	8		
4	BL-6-N	3/8-16 HEX NUTS ZC	8		
5	BL-6-10125-B7	3/8-16 x 10-1/8 B7 Threaded Rod	4		
6	BL-6-LW	3/8 SPLIT LW ZC	8		

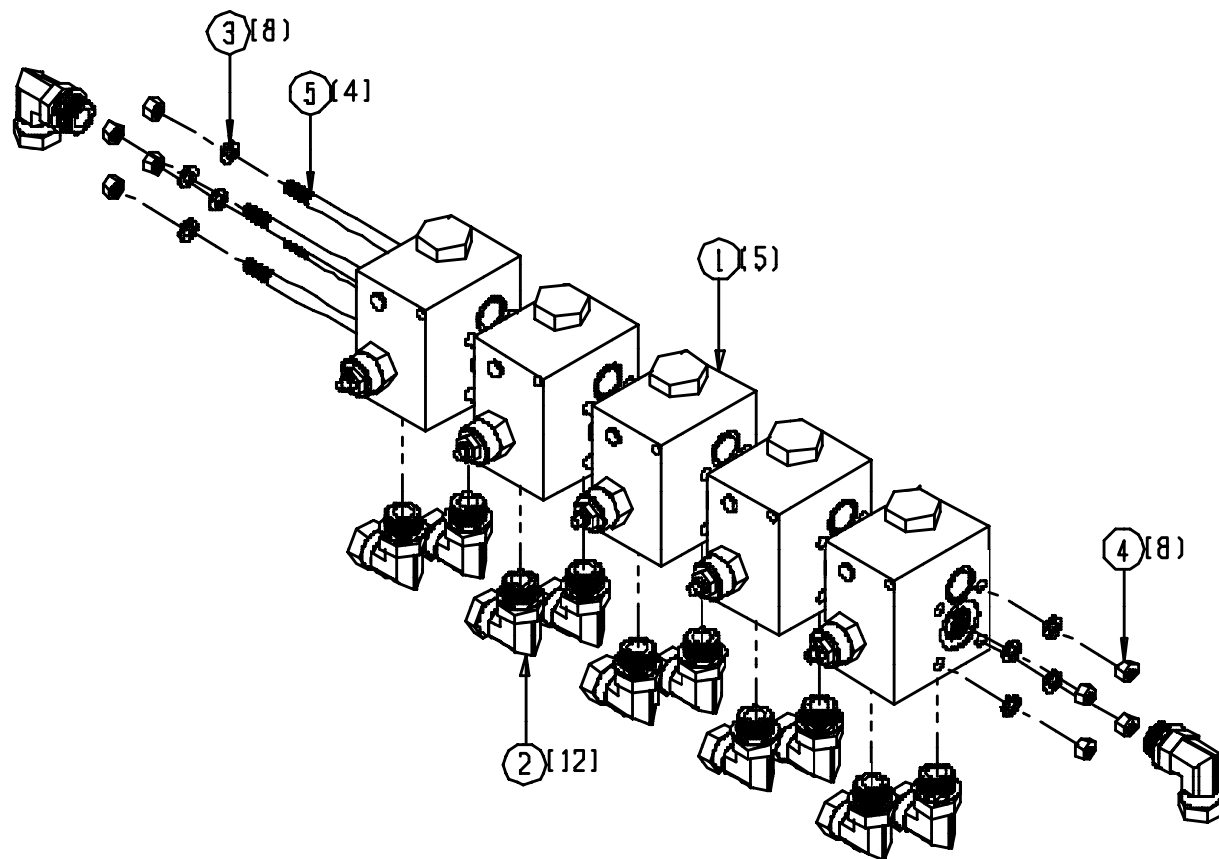
3104-15-4 VINE CHAIN, PRIMARY & SECONDARY SHAKER WEIGHT



3104-15-5 Sizing Chain & Drum & Hedge Hog Belt, Controls

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	HA-428	Flow Control (Only)	5		
2	A-6901-12-12	12 SAE x 3/4" FPX 90	12		
3	BL-6-LW	3/8 SPLIT LW ZC	8		
4	BL-6-N	3/8-16 HEX NUTS ZC	8		
5	BL-6-16125-B7	3/8-16 x 16-1/8" B7 Threaded Rod	4		

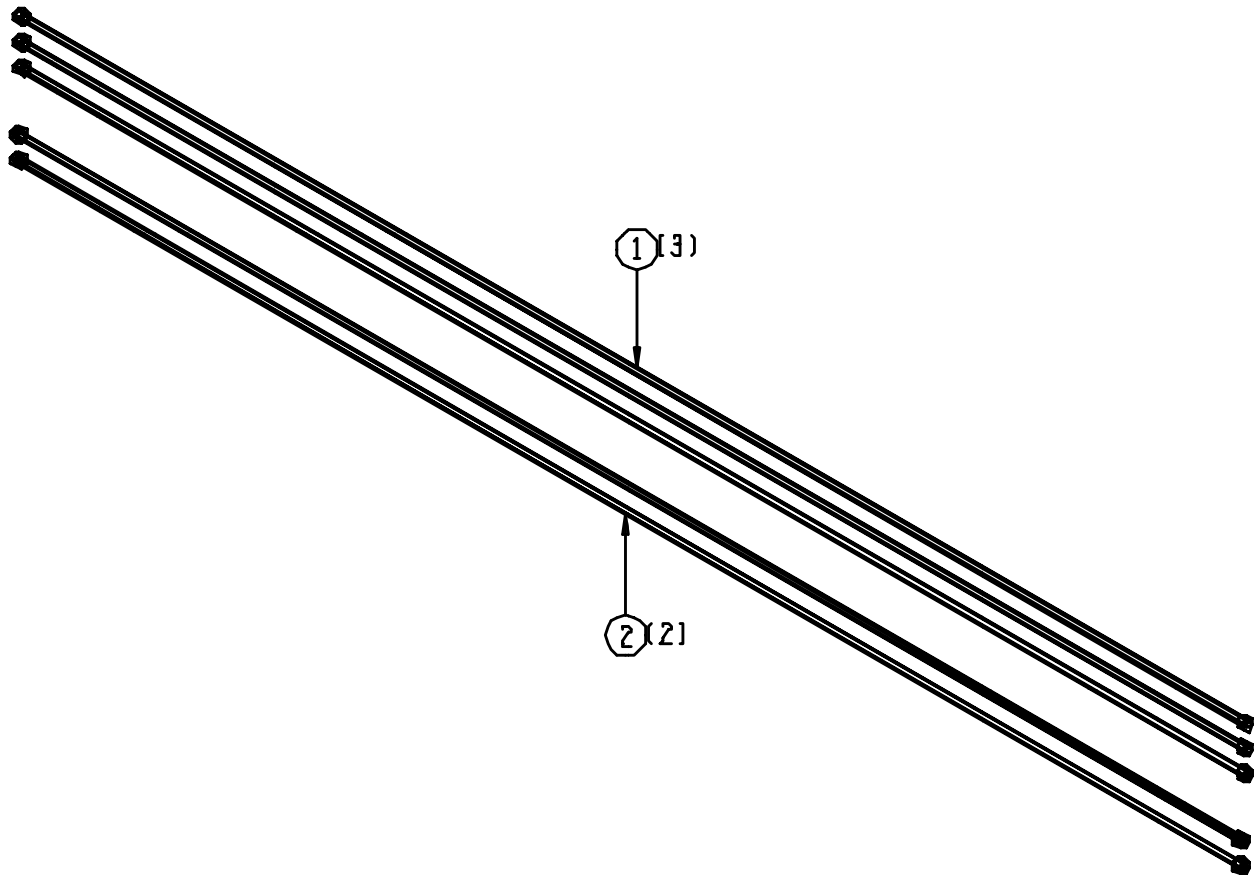
3104-15-5 SIZING CHAIN, SIZING DRUM, HEDGE HOG BELT, CROSS CONVEYOR & SECONDARY SHAKER ROTATION VALVE CONTROL



3104-15-10 Hydraulic Pipes

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	H-T12-168	3/4" Air Line, 168" Long	3		
2	H-T16-168	1" Air Line, 168" Long	2		

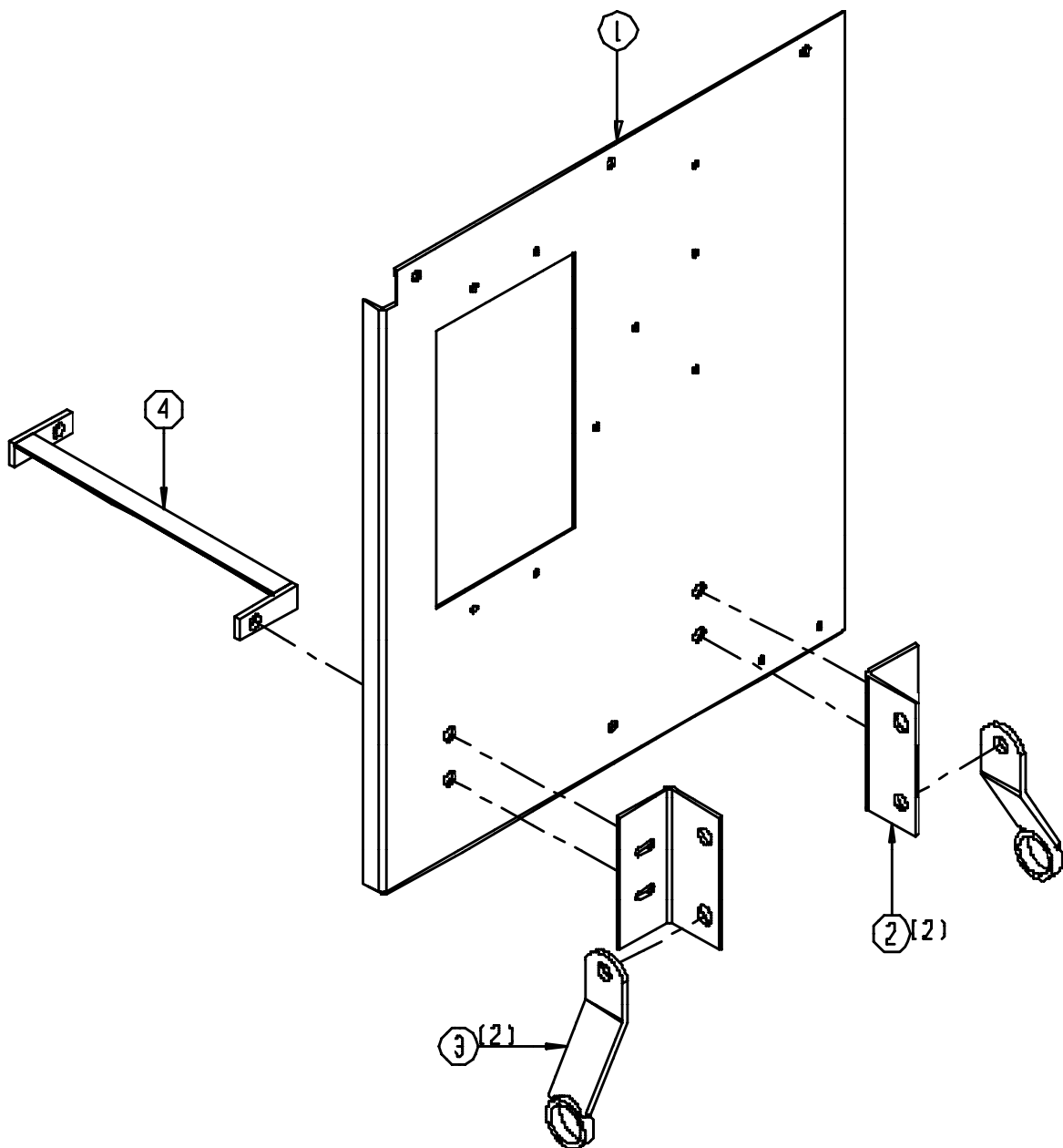
3104-15-10 HYDRAULIC PIPES



3104-15-24 Front Control Panel

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-7000	Hydraulic Component Panel, 3100 Cucumber	1		
2	SUP-8000	Support, Flow Divider, Hydra. Panel, HC290	2		
3	BRA-8000	Bracket, Flow Divider, Panel, HC290	2		
4	ARM-7000	Stiffner Arm, 3100 Cucumber Harvester	1		

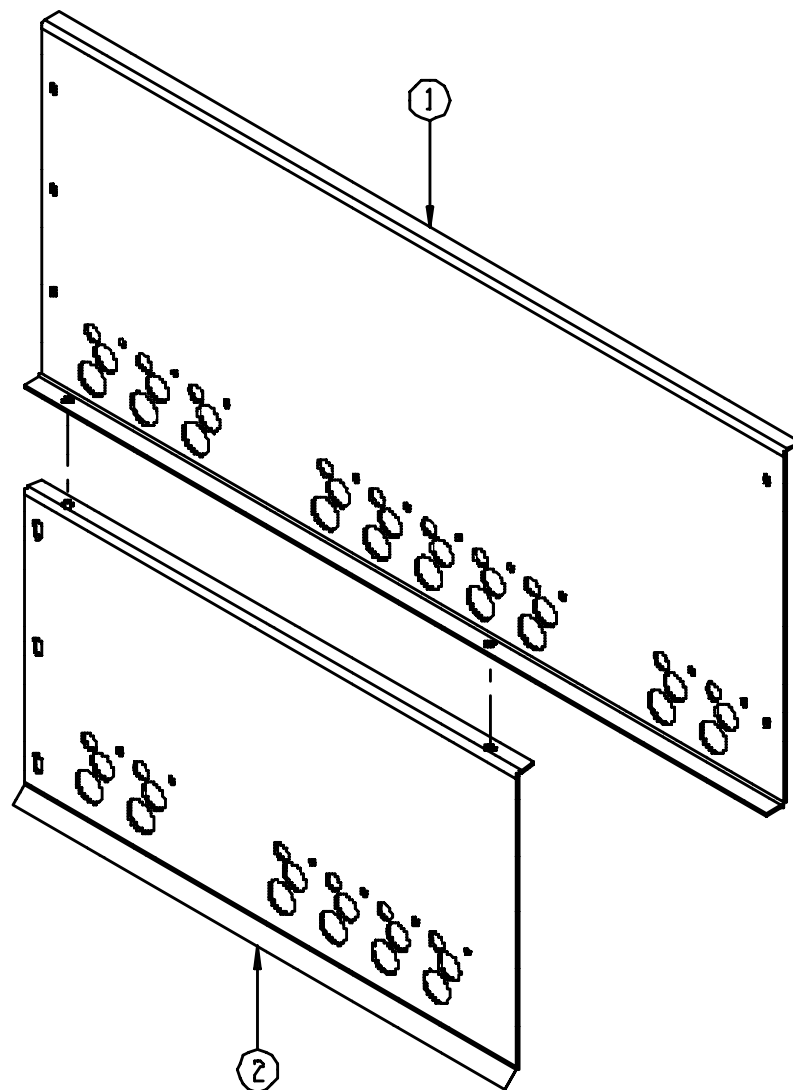
3104-15-24 FRONT CONTROL PANEL



3104-15-25 Rear Control Panel

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	PAN-7406	Rear Flow Control Panel, 3100 Cucumber	1	PAN-7406	
2	PAN-7800	Rear Control Panel, 3100 Cucumber	1		

3104-15-25 REAR CONTROL PANEL



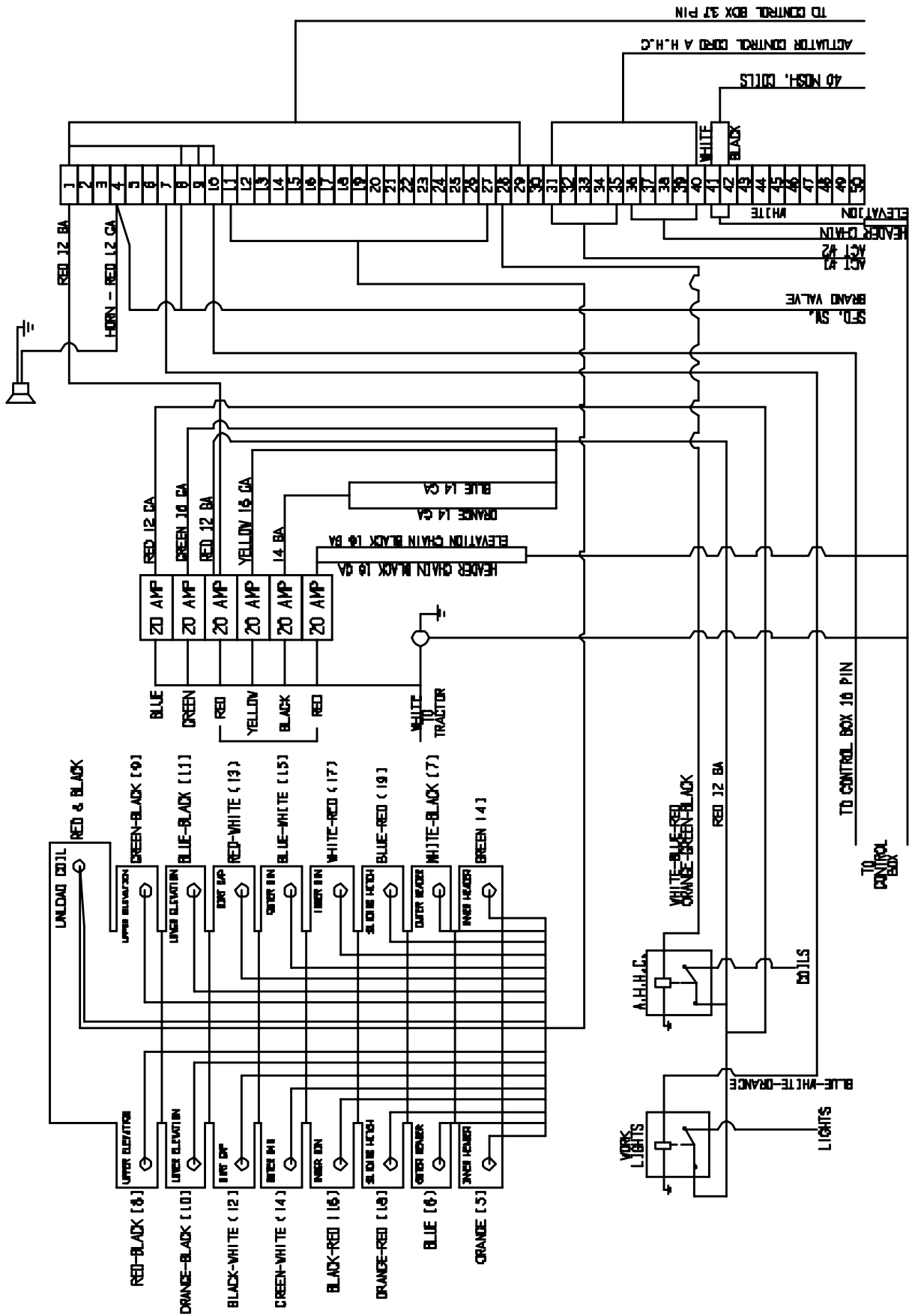
3104-17-1 Electrical Panel Box Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
0	BL-4-075-H	1/4 UNC X 3/4 HH C/S BOLT GR5 ZINC	2		
0	BL-4-100-H	1/4-20 X 1 HEX CAP G5 ZC	1		
0	BL-4-LN	1/4-20 HEX LN NE ZC	1		
0	BL-4-LW	1/4 SPLIT LW ZC	1		
0	BL-4-N	1/4-20 HEX FIN NUTS ZC	5		
0	EL-0005	Wire, Jumper, 4", 22ga, #8 eyelets	2		
0	EL-0015	DIN Rail 6Ft	0.17		
0	EL-0153	Terminal Block	40		
0	EL-101	Lock Nut for Electrical Connectors 1/2"	7		
0	EL-102	Lock Nut for Electrical Connectors 3/4"	1		
0	EL-25053	Marker Strip for Terminal Blocks 1-10	0.4		
0	EL-25054	Marker Strip for Terminal Blocks 11-20	0.4		
0	EL-25055	Marker Strips for Terminal Blocks 20-30	0.4		
0	EL-25056	Marker Strips for Terminal Blocks 30-40	0.4		
0	EL-5010	End Clamp for Terminal Block	2		
0	EL-6600	Warning Horn	1		
0	EL-6610	Horn Switch	1		
0	EL-73980	Light Relay, (with mounting bracket), 12 DCV, 20/30 Amp	2	19701-	
0	ELB-20	Breaker, 20 amp	6		Replaces 191-1210
0	ELB-46466	Circuit Breaker Mounting Bracket (6 stack)	1		
0	ELC-12-R	12 Gauge Automotive Wire (Red)	50		
0	ELC-14-BL	14 Gauge Wire (Blue)	250		
0	ELC-14-R	14 Gauge Wire, Red	4		
0	ELC-16-G	16 Gauge Wire (Green)	70		
0	ELC-16-O	16 Gauge Wire (Orange)	24		
0	ELC-16-Y	16 Gauge Wire (Yellow)	68		
0	ELC-218	18 Gauge-2 Conductor @ Foot	25		
0	ELC-2612	1/2" Plastic Cord Connector	10		
0	ELC-2634	3/4" Plastic Cord Connector	1		
0	ELC-4069	22ga x 20 Conductor Carol Cable @ft	32		
0	ELC-518	18 Gauge-5 Conductor @ Foot	36		
0	ELC-8003	Hydraulic Valve Cable 9', HC290	1		
0	ELE-53101	#1 Marker Card	1		

0	ELE-53102	#2 Marker Card	1	
0	ELE-53103	#3 Marker Card	1	
0	ELE-53104	#4 Marker Card	1	
0	ELE-53105	#5 Marker Card	1	
0	ELE-53106	#6 Marker Card	1	
0	ELE-53107	#7 Marker Card	1	
0	ELE-53108	#8 Marker Card	1	
0	ELE-53109	#9 Marker Card	1	
0	ELE-53110	#10 Marker Card	1	
0	ELE-53111	#11 Marker Card	1	
0	ELE-53112	#12 Marker Card	1	
0	ELE-53113	#13 Marker Card	1	
0	ELE-53114	#14 Marker Card	1	
0	ELE-53115	#15 Marker Card	1	
0	ELE-53116	#16 Marker Card	1	
0	ELE-53117	#17 Marker Card	1	
0	ELE-53118	#18 Marker Card	1	
0	ELE-53119	#19 Marker Card	1	
0	ELE-53120	#20 Marker Card	1	
0	ELE-891	Large Terminal Box	1	Hoffman Makes An Equal Box: A14086CH (BOX) & A14P8 (PANEL)
0	ELE-891-SUP	Electrical Panel Inside Plate 2002 Box	1	
0	ELL-25-0	1/4" Wire Loom @ft	232	
0	ELL-375	3/8" Wire Loom @ft	6	
0	ELP-3104	Electrical Control Panel	1	
0	ELT-30502	Ring Terminal #8 x 18-22ga	20	
0	ELT-30511	Female Push On 18-22 ga	15	
0	ELT-30712	Push on Male 18-22	15	
0	ELT-31004	Terminal Ring, 1/4",16-14 Gauge,Non-insulated	7	
0	ELT-31207	Terminal Ring, 1/2",16-14 Gauge,Non-insulated with Brazeed Seam	2	
0	ELT-31260	16-14 Non Insulated Butt Connector	5	
0	ELT-31703	Terminal Ring, 16-14 Ga.#10 Blue Insulated Nylon	7	
0	ELT-31712	Push On Male 14-16 ga	5	HV-1045K
0	ELT-31713	Push On Female Terminal 14-16 ga.	5	HV-1045K
0	ELT-32203	Terminal Ring,1/4",12-10 Gauge, Non-insulated w/Brazeed Seam	1	
0	ELT-32572	T-Tap 12ga	2	

0	ELT-32714	Fully Insulated Male PushOn 10-12ga	4	
0	ELT-32715	Full Insulated Female Push On 10-12ga	6	
0	ELT-32755	Snap Spade Connectors #10 10-12	0	
0	ELT-9806	Adheisive Base	35	
0	HA-1031	Hydraulic Hose Holder 3/8	15	
0	HA-1032	Hydraulic Hose Holder 1/2	6	19101
0	WT-3	3 3/4" Wire Tie	112	

3104-17-1 ELECTRICAL SCHEMATIC JUNCTION BOX



3104-17-2 Control Box Assembly

<u>Ref</u>	<u>Part No.</u>	<u>Description</u>	<u>Parts – Assembly</u>	<u>Will Fit SN</u>	<u>Remarks</u>
1	ELE-2017	Control Box	1		
2	ELS-3T-MM-15	Switch, 3 Pos Toggle 1" Bat (15 Amp)	8		
3	ELS-2T-15	Switch 2 Pos Toggle 1" Bat (15 Amp)	3		
4	EL-60361	AMP Receptacle 16 position	2		
5	EL-61511	AMP Receptacle 37 position	1		
6	EL-0100	Midget Bulb for Lamp	1		
7	EL-0101	Red Plastic Lens	1		
8	EL-0350	Pilot Light, Lamp Holder Base	1		
9	EL-5800	Diode	18		
10	EL-5696	Miniature Panel Alarm	1		
11	EL-1322	Crimp Pin for AMP Plug	55		
12	EL-5010	End Clamp for Terminal Block	1		
13	EL-0153	Terminal Block	24		
14	EL-14D0	Switch Boot	11		
15	EL-13B	Rubber Boot for Horn Switch	1		
16	EL-8411	Horn Button	1		
17	EL-HKP	Fuse Holder	1		
18	EL-46115	15 Amp Fuse	1		
19	ELE-24101	3/8" Snap Bushing	1		
20	EL-250F	1/4" Felt Round @ ft	1		
21	ELE-245	Locking hole Plug 1/2"	3		
22	ELT-31753	Snap Spade Terminal, #6, 16-14 Blue	32		
23	ELT-36016	Spade Terminal #6 x 18-22ga	1		
25	BL-4-075-FP	1/4-20 x 3/4" Flat Head SS Bolt (Phillips Head)	2		
26	BL-8W-TW	#8 Tooth Washer	18		
27	BL-632-NSS	6-32 SS Nuts	2		
28	EL-31562	Splice Tap for 18-14 Gauge Wire	2		
29	EL-0015	DIN Rail 6Ft	5		
30	ELE-4078	22Ga. X 40 Conductor Carol Cable	0		
31	EL-0009	Actuator Control Panel With Potentiometer	2		
32	ELC-16-R	16 Gauge Wire, Red	24		
33	WT-3	3 3/4" Wire Tie	0		

ELE-3104 CONTROL BOX PIN COLOR CODE CHART

1 BLACK 12 VOLT +
 2 WHITE GROUND
 3 RED UNLOAD COIL
 4 GREEN INNER HEADER UP
 5 ORANGE INNER HEADER DOWN
 6 BLUE OUTER HEADER DOWN
 7 WHITE-BLACK-OUTER HEADER UP
 8 RED-BLACK UPPER ELEVATION DOWN
 9 GREEN-BLACK UPPER ELEVATION UP
 10 ORANGE-BLACK LOWER ELEVATION DOWN
 11 BLUE-BLACK LOWER ELEVATION UP
 12 BLACK-WHITE DIRT GAP CLOSED
 13 RED-WHITE DIRT GAP OPEN
 14 GREEN-WHITE OUTER BIN DOWN
 15 BLUE-WHITE OUTER BIN UP
 16 BLACK-RED INNER BIN DOWN
 17 WHITE-RED INNER BIN UP
 18 ORANGE RED SLIDING HITCH RIGHT
 19 BLUE-RED SLIDING HITCH LEFT (UP ON SWITCH)
 20 RED-GREEN NOT USED
 21 ORANGE-GREEN NOT USED
 22 BLACK-WHITE-RED NOT USED
 23 WHITE-RED-BLACK HORN
 24 RED-BLACK-WHITE NOT USED
 25 GREEN-BLACK-WHITE NOT USED
 26 ORANGE-BLACK-WHITE 12 VOLT +
 27 BLUE-WHITE-BLACK GROUND
 28 BLACK-RED-GREEN UNLOAD COIL
 29 RED-GREEN-WHITE DISK REVERSER
 30 BLACK-GREEN-WHITE DISK REVERSER
 31 WHITE-RED-GREEN 12 VOLT +
 32 RED-GREEN-BLACK GROUND
 33 WHITE-BLACK-GREEN DISK REVERSER
 34 ORANGE-GREEN-BLACK NOT USED
 35 BLUE-ORANGE-WHITE WORK LIGHTS RELAY
 36 BLACK-WHITE-ORANGE DISK REVERSER
 37 WHITE-BLUE-RED NOT USED

SAME AS 190

1 BLACK / BLACK-RED
 2 RED / RED-BLACK
 3 GREEN / GREEN-BLACK
 4 WHITE / WHITE-BLACK
 5 BLUE-BLACK
 6 BLUE-WHITE
 7 BLUE
 8
 9 GREEN-WHITE / BLACK-WHITE
 10 WHITE-RED / RED-WHITE
 11 ORANGE-BLACK
 12 ORANGE-RED
 13 ORANGE
 RED-GREEN
 BLUE-GREEN

1 BLACK / BLACK-RED		POWER TO SPEED CONTROLS
2 RED / RED-BLACK		
3 GREEN / GREEN-BLACK		GROUND TO SPEED CONTROLS
4 WHITE / WHITE-BLACK		
5 BLUE-BLACK		
6 BLUE-WHITE		
7 BLUE		
8		
9 GREEN-WHITE / BLACK-WHITE		
10 WHITE-RED / RED-WHITE		
11 ORANGE-BLACK		
12 ORANGE-RED		
13 ORANGE		
RED-GREEN		
BLUE-GREEN		