

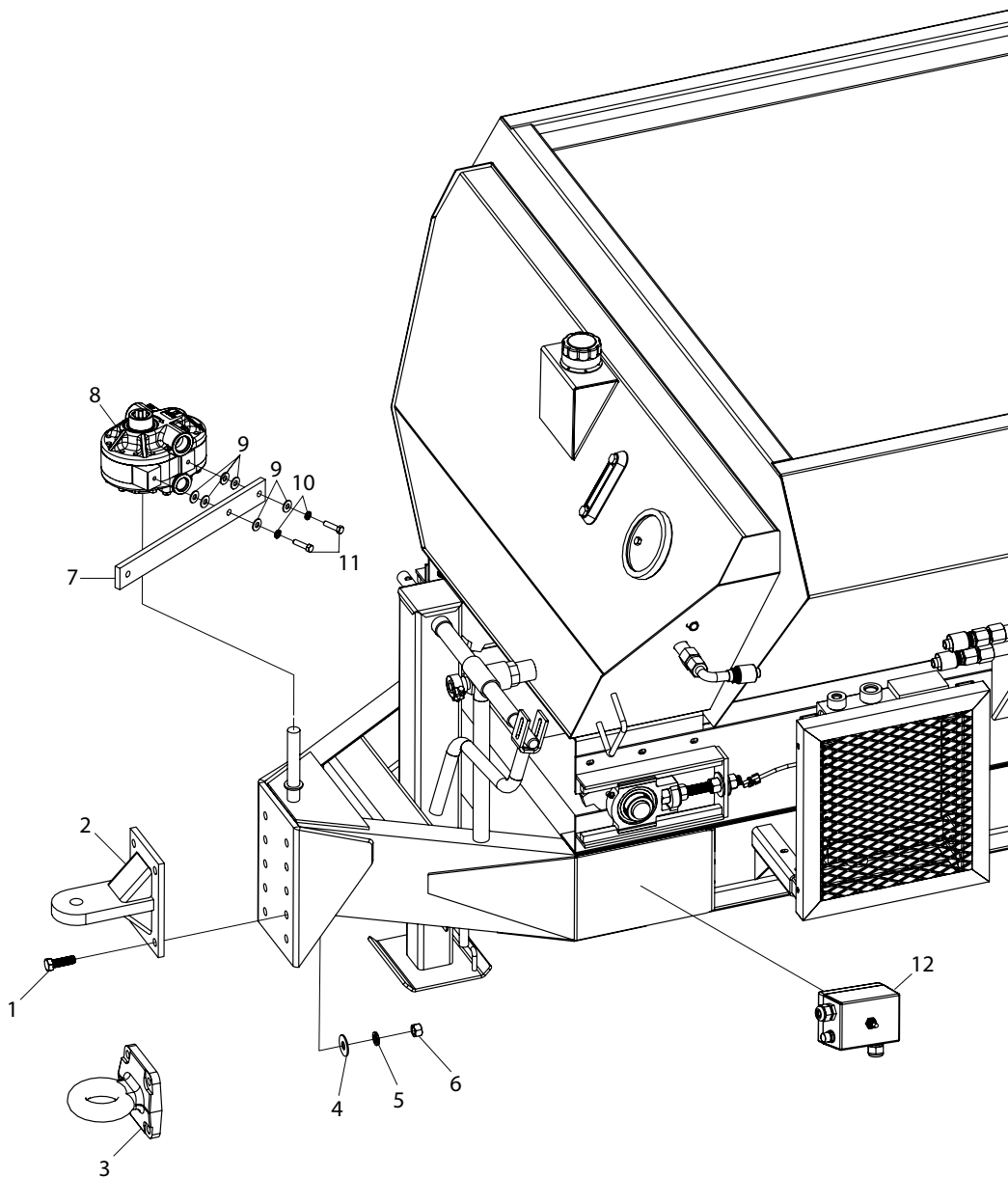


GS12 Grape Spreader

Illustrated Parts Breakdown

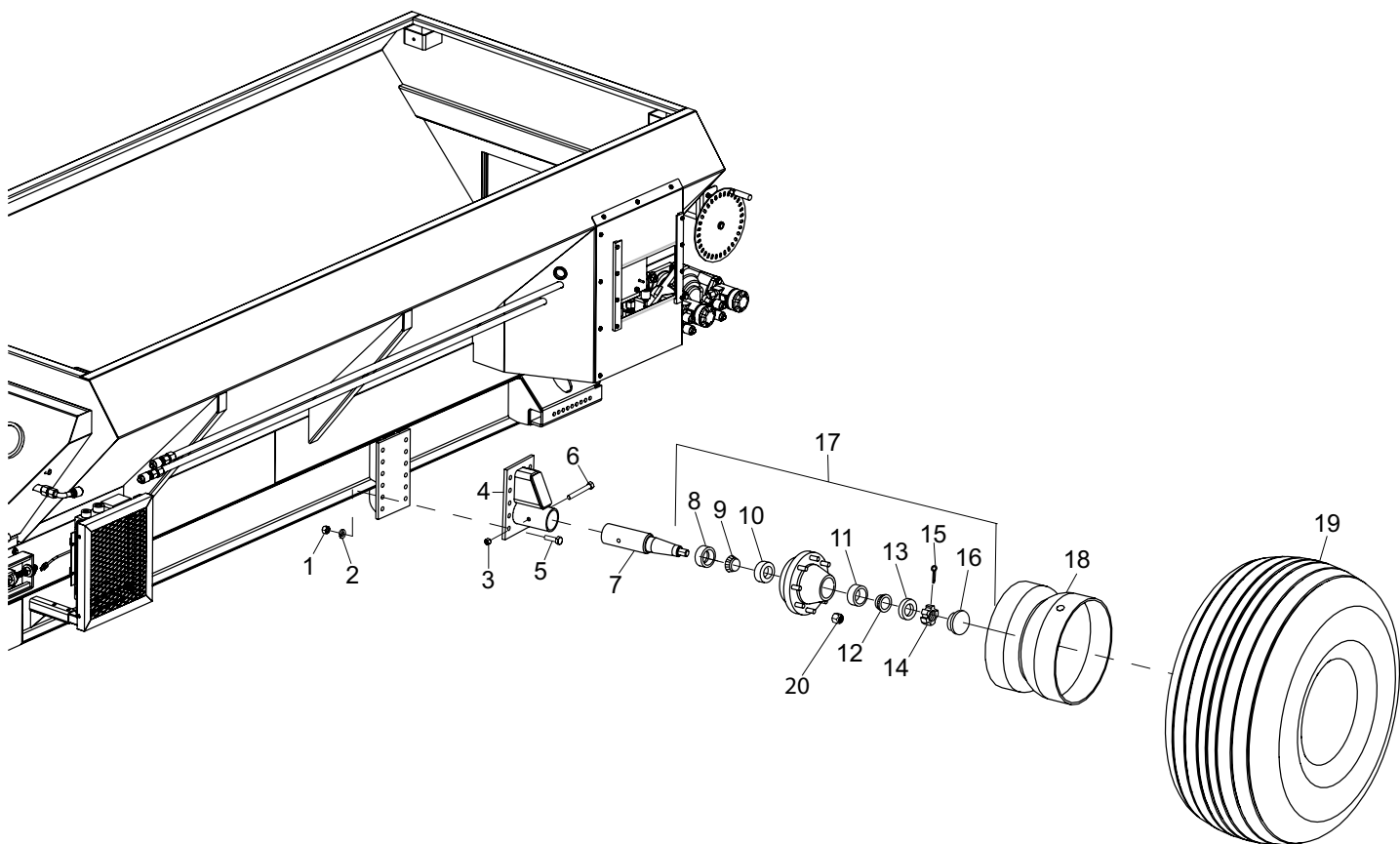
Page 1	Front End Assembly
Page 2	Axle Assembly
Page 3	Floor & Apron
Page 4	Pump Assembly
Page 5	Hydraulics
Page 6	Manifold Components
Page 7	Gearbox Components S/N -94964
Page 8	Gearbox Components S/N 94965+
Page 9	Twin Speed Reducer
Page 10	Rear Gate
Page 11	Spinner Assembly
Page 12	Conveyer Assembly
Page 13	Single Conveyor Hydraulics & Drive
Page 14	Single Conveyor Flooring & Rubber
Page 15	Deflector Option
Page 16	Flicker Option
Page 17	Switchbox
Page 18	Oil Cooler Option

Front End Assembly



Ref#	Description	Part#
1	5/8" x 2" Hex Head Bolt	000615
2	GS-12 Draw Bar Hitch Weldment	890446
3	Pintle Hitch	101123
4	5/8" USS Flat Washer	001075
5	5/8" Split Lock Washer	000860
6	5/8" Hex Nut	000970
7	Pump Holder	801052
8	PTO Pump	890178
9	3/8" USS Flat Washer	001035
10	3/8" Split Lock Washer	000820
11	3/8" x 1-1/2" Hex Head Bolt	000280
12	Switchbox	890194

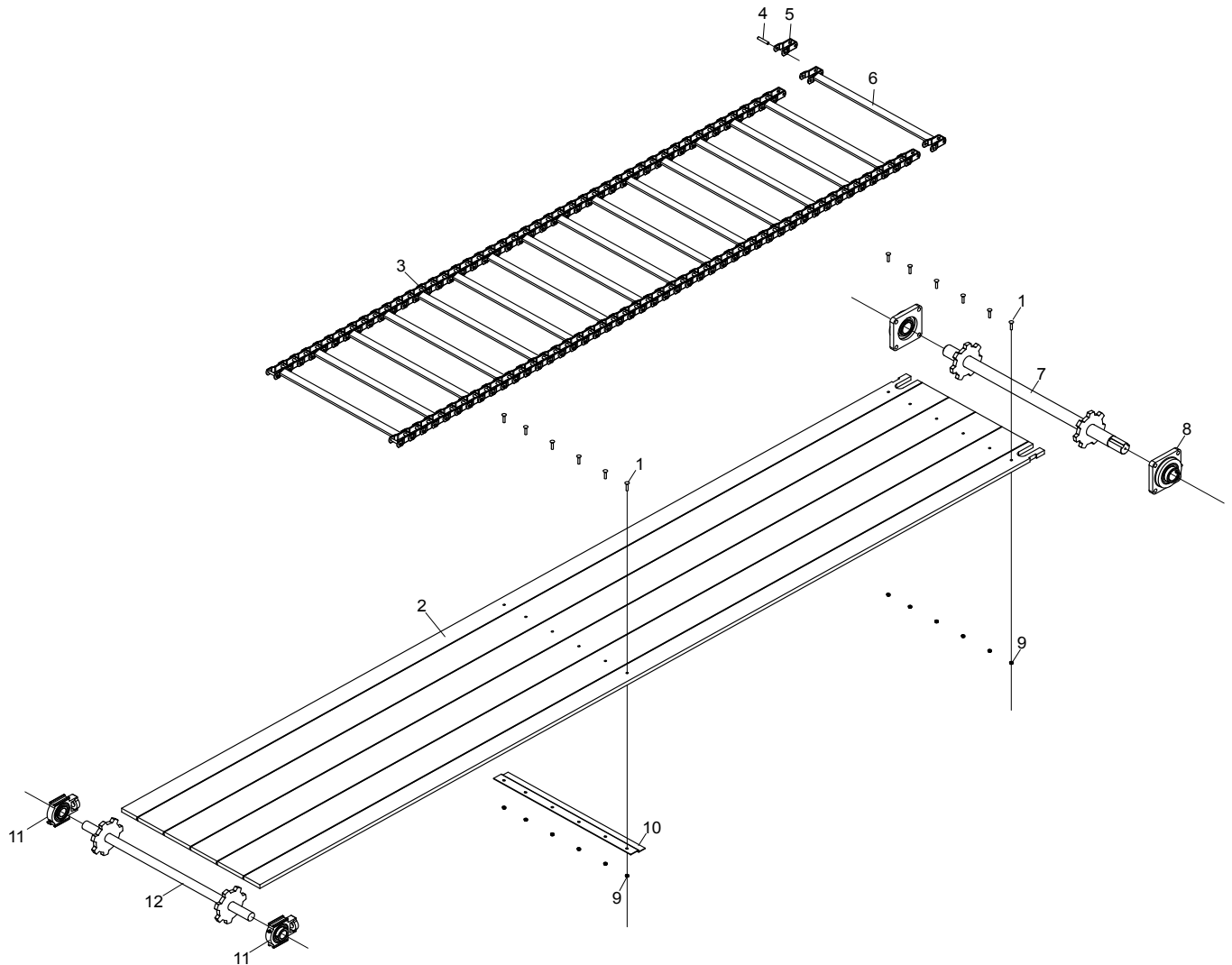
Axle Assembly



Ref#	Description	Part#
1	5/8" Hex Nut	000970
2	5/8" Lock Washer	000860
3	1/2" Nylon Lock Nut	000950
4	Spindle Bracket Assembly	801403
5	5/8" x 2" Hex Head Bolt	000615
6	1/2" x 4-1/2" Hex Head Bolt	000500
7	3" x 14" Spindle	890439
8	Grease Seal	300431
9	Bearing 387AS	300430
10	Race, 382A	101428

Ref#	Description	Part#
11	Race, LM501310	300247
12	Bearing, LM501349	300248
13	Spindle Washer	300047
14	Spindle Nut	300275
15	Cotter Pin, 1/4 x 2-1/4	001231
16	Dust Cap	300249
17	Complete Hub	830045
18	16.1 x 16 Silver Wheel 8 on 8 BC	830047
19	21.5L x 16.1 x 10-Ply Tire	830258
20	Lug Nut 1288 Hub (5/8" Fine)	300278

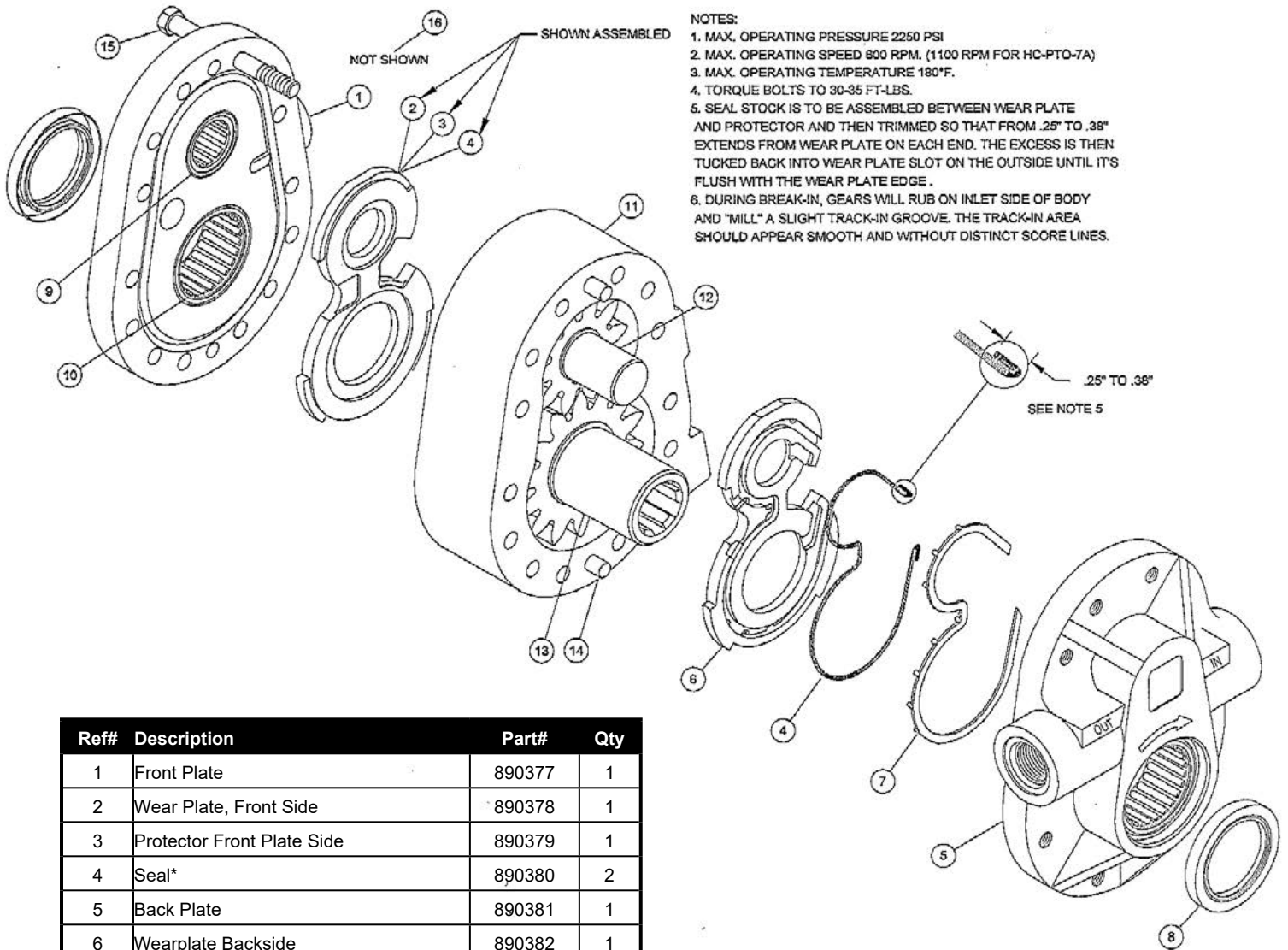
Floor & Apron



Ref#	Description	Part#
1	Carriage Bolt, 5/16 x 1-1/2	000126
2	Floor Board	
3	Web Chain w/ Slats (10' Section)	830555-WD
4	Connector Pin	830328
5	Connector Link w/ Pin	830326
6	Slat Assembly	890375
7	Rear Drive Shaft Weldment	830528
8	Flange Bearing	801100
9	Nut, 5/16	000910
10	Floor Hold Plate	830557
11	Take-up Bearing	801099
12	Front Drive Shaft Weldment	830675

** Left & Right floor boards must be cut to correct width

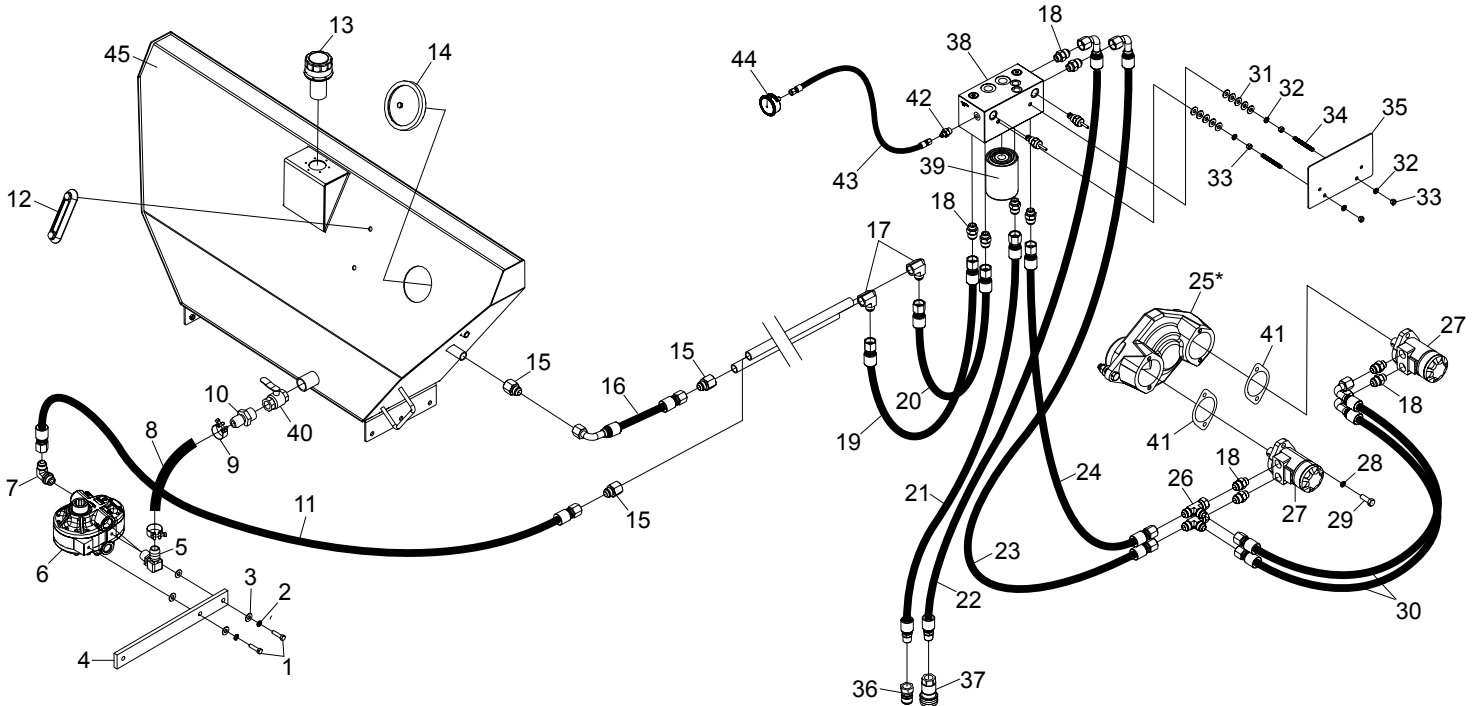
Pump Assembly



Ref#	Description	Part#	Qty
1	Front Plate	890377	1
2	Wear Plate, Front Side	890378	1
3	Protector Front Plate Side	890379	1
4	Seal*	890380	2
5	Back Plate	890381	1
6	Wearplate Backside	890382	1
7	Protector Back Plate Side*	890383	1
8	Shaft Seal*	890384	2
9	Idler Shaft Bearing	890385	2
10	Drive Shaft Bearing	890386	2
11	Body HC-PTO-2A	890387	1
12	Gear Assembly	890388	1
13	Drive Gear Assembly	890389	1
14	Dowel Pin	890390	2
15	Cap Screw	890391	12
16	Seal Kit	890392	1

Note: All items with * are included in Seal Kit.

Hydraulics

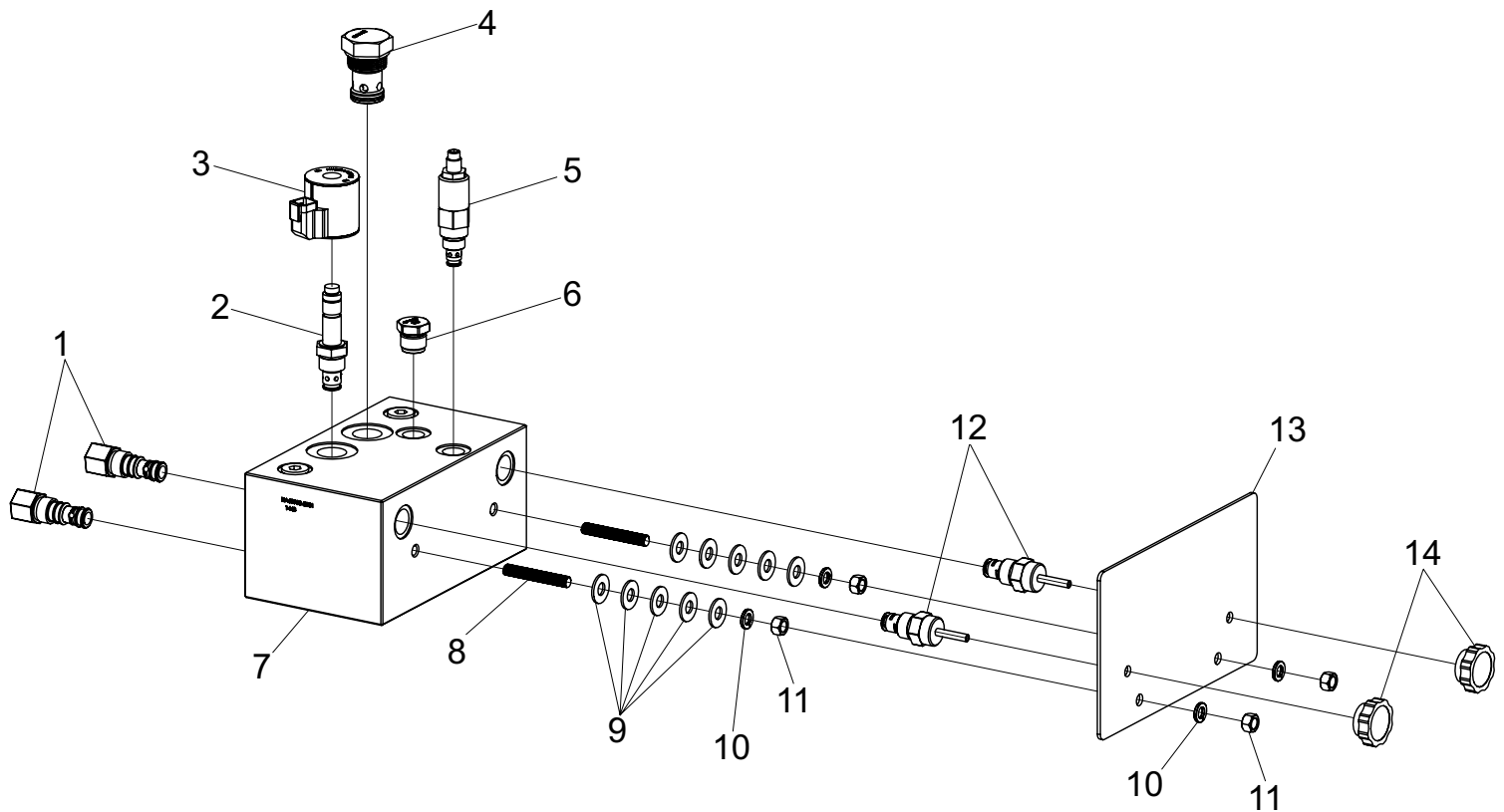


*Note: Double Drive Gearbox (ID 25) was changed at serial number 94965. Old gearbox (801098) is no longer available and will be substituted with new gearbox (801418).

Ref#	Description	Part#
1	3/8" x 1-1/2" Hex Head Bolt	000280
2	3/8" Split Lock Washer	000820
3	3/8" Flat Washer	001035
4	Pump Holder	801052
5	90 Degree Elbow (20HB x 16MB)	290080
6	PTO Pump	890178
7	90 Degree Elbow (12MJ x 12MB)	290022
8	72" Suction Hose	830689
9	1-1/2" SV Hose Clamp	290169
10	Straight Fitting (20HB x 20MP)	290187
11	111" Hose Assembly (12FJX x 12FJX)	830688
12	Hydraulic Tank Sight Gauge	290054
13	4" Tank Filler Breather Cap	290142
14	6" Tank Door	290044
15	Straight Fitting (12MJ x 12FP)	290019
16	27" Hose Assembly	830336
17	90 Degree Elbow (12MJ x 12FP)	290093
18	Straight Fitting (12MJ x 10MB)	290001
19	22" Hose Assembly (12FJX - 12FJX)	830681
20	25" Hose Assembly (12FJX - 12FJX)	830682
21	12" Hose Assembly (12FJX x 12MP)	830683
22	19" Hose Assembly (12FJX90S x 12MP)	830684

Ref#	Description	Part#
23	24" Hose Assembly (12FJX90S - 12FJX)	830686
24	21" Hose Assembly (12FJX - 12FJX)	830685
25	6:1 Double Drive Gearbox S/N 94982+	801418
26	T-Fitting (12MJ x 12FJX x 12MJ)	290034
27	Drive Motor	830171
28	1/2" Lock Washer	000840
29	1/2" x 1-1/2" Hex Head Bolt	000435
30	23" Hose Assembly (12FJX90 x 12FJX)	890333
31	3/8" Flat Washer	001035
32	3/8" Lock Washer	000820
33	3/8" Hex Nut	000915
34	3/8" x 3-1/4" Threaded Rod	902245
35	Manifold Face Plate	890451
36	3/4" Male Ag Coupling	290040
37	3/4" Female Ag Coupling	290041
38	Manifold	890940
39	Oil Filter	890962
40	Ball Valve	830355
41	2 Bolt Flange Gasket	830251
42	Straight Fitting, - #4 MJ x #6 MB	700908
43	12" Hose Assembly (4FJX x 4FJX)	830812
44	SPG Pressure Gauge	290293
45	Oil Tank	890410

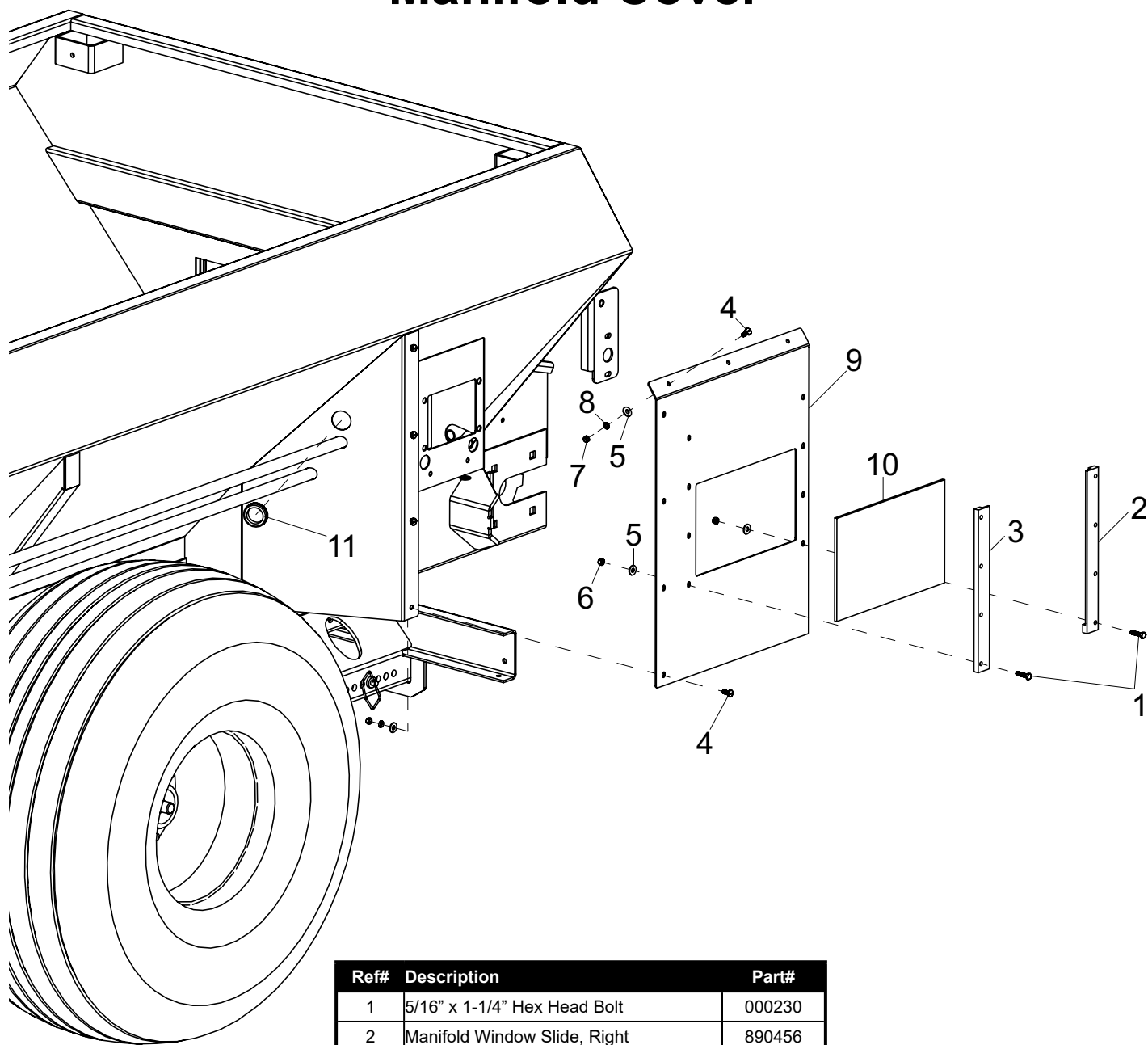
Manifold Components



Ref#	Description	Part#
1	EP10-S35 40 Directional Valve	806140
2	SV16-21 2 Way N/O Poppet Valve	830320
3	Solenoid Valve Coil (4303712)	830325
4	CV16-20-0-N-15 Check Valve	830801
5	Relief Valve	830535
6	CV10-20-0-N-02 Check Valve	830802
7	Hydraulic Manifold with all valves included	890940

Ref#	Description	Part#
8	3/8" x 2-1/2" Threaded Rod	890951
9	3/8" Flat Washer	001035
10	3/8" Lock Washer	000820
11	3/8" Hex Nut	000915
12	MR10-20A Flow Control Valve	806136
13	Manifold Face Plate	890451
14	Control Knob	806143

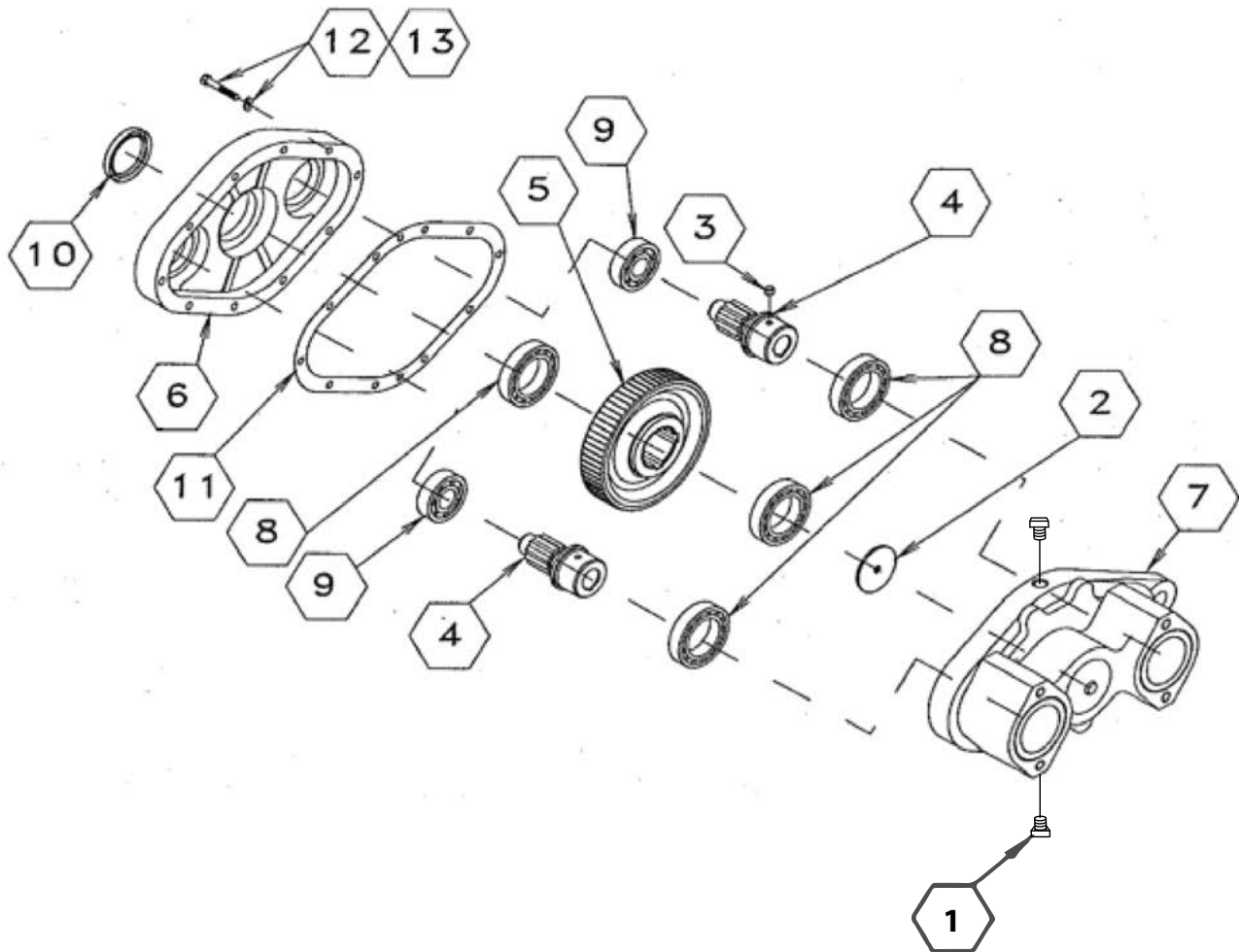
Manifold Cover



Ref#	Description	Part#
1	5/16" x 1-1/4" Hex Head Bolt	000230
2	Manifold Window Slide, Right	890456
3	Manifold Window Slide, Left	890455
4	5/16" x 3/4" Hex Head Bolt	000210
5	5/16" USS Flat Washer	001030
6	5/16" Nylon Lock Nut	002999
7	5/16" Hex Nut	000910
8	5/16" Lock Washer	000810
9	Manifold Cover Plate	890458
10	Flow Control Cover	890200
11	Grommet, 1-1/2" ID	403796

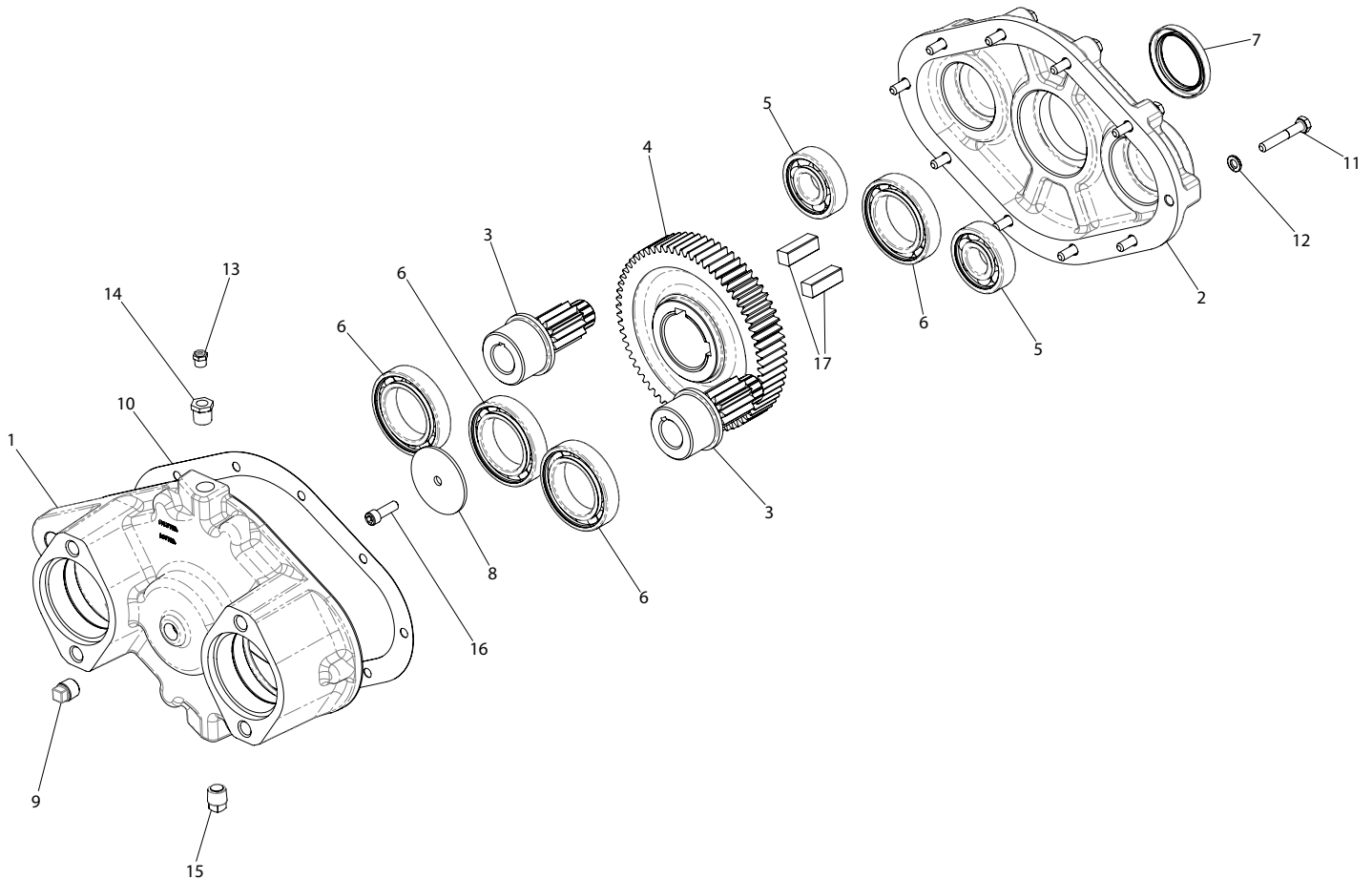
Gearbox Components S/N -94965

*Limited Parts Available. Can substitute complete gearbox with Part # 801418



Ref#	Description	Part#
1	Plugs and Keys	830700
2	Washer	830701
3	Plug-Delrin	830702
4	Gear-Pinion	830703
5	Gear-Driven	830704
6	Housing-Inboard	830705
7	Housing-Outboard	830706
8	Bearing	830707
9	Bearing	830708
10	Oil Seal	800136
11	Gasket	830709
12	Lock Washer	000810
13	Capscrew	000122

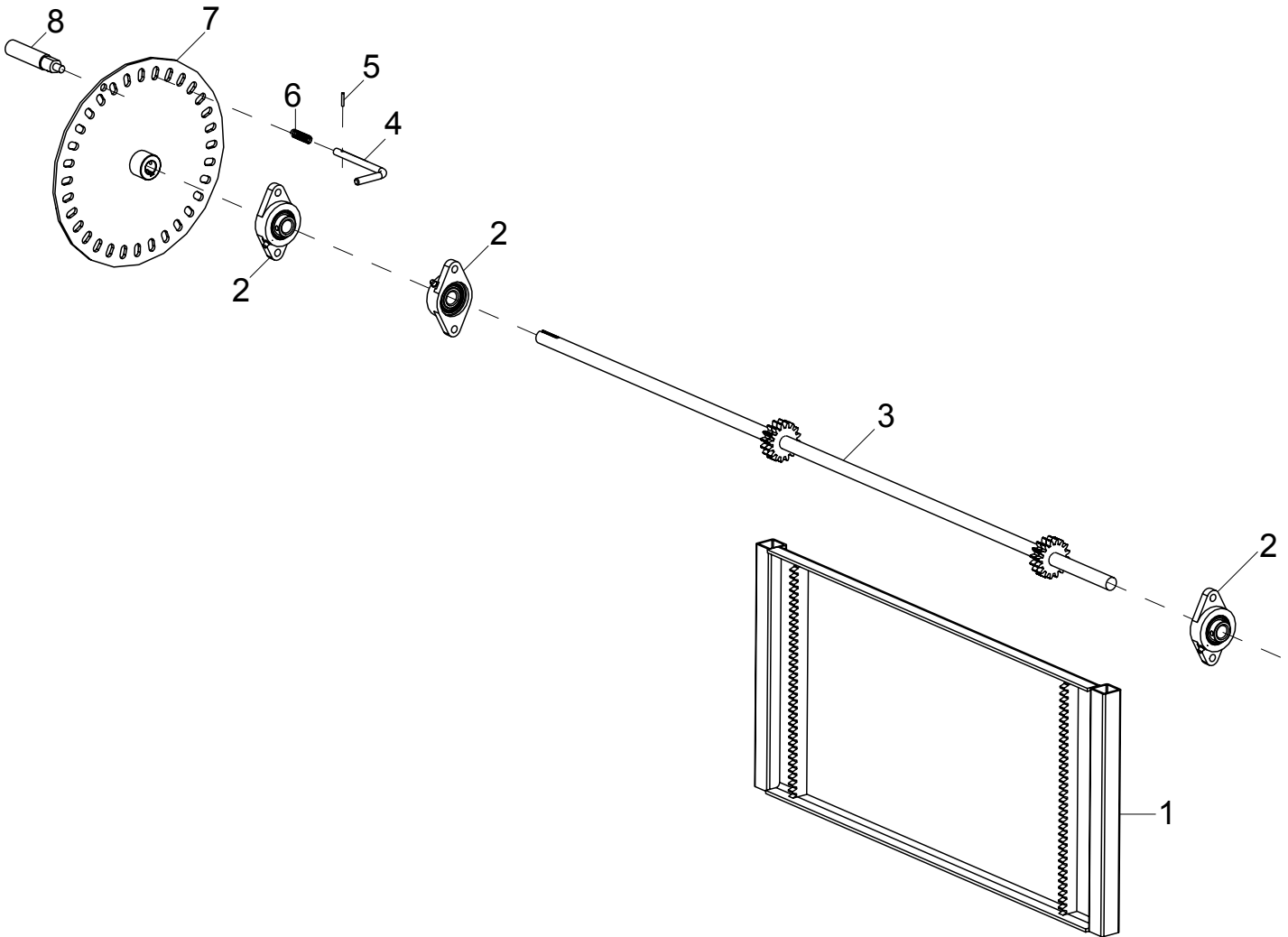
Gearbox Components S/N 94965+



Ref#	Description	Part#
1	Outer Housing	801435
2	Inner Housing	801436
3	11 Tooth Spur Gear	801422
4	67 Tooth Spur Gear	801423
5	6305 C3 Ball Bearing	801424
6	6010 C3 Ball Bearing	801425
7	1.969-2.627-.312	801437
8	2.50 x .34 x .120 Washer	801427
9	3/8" NPT Square Head Plug w/ 3M	801428

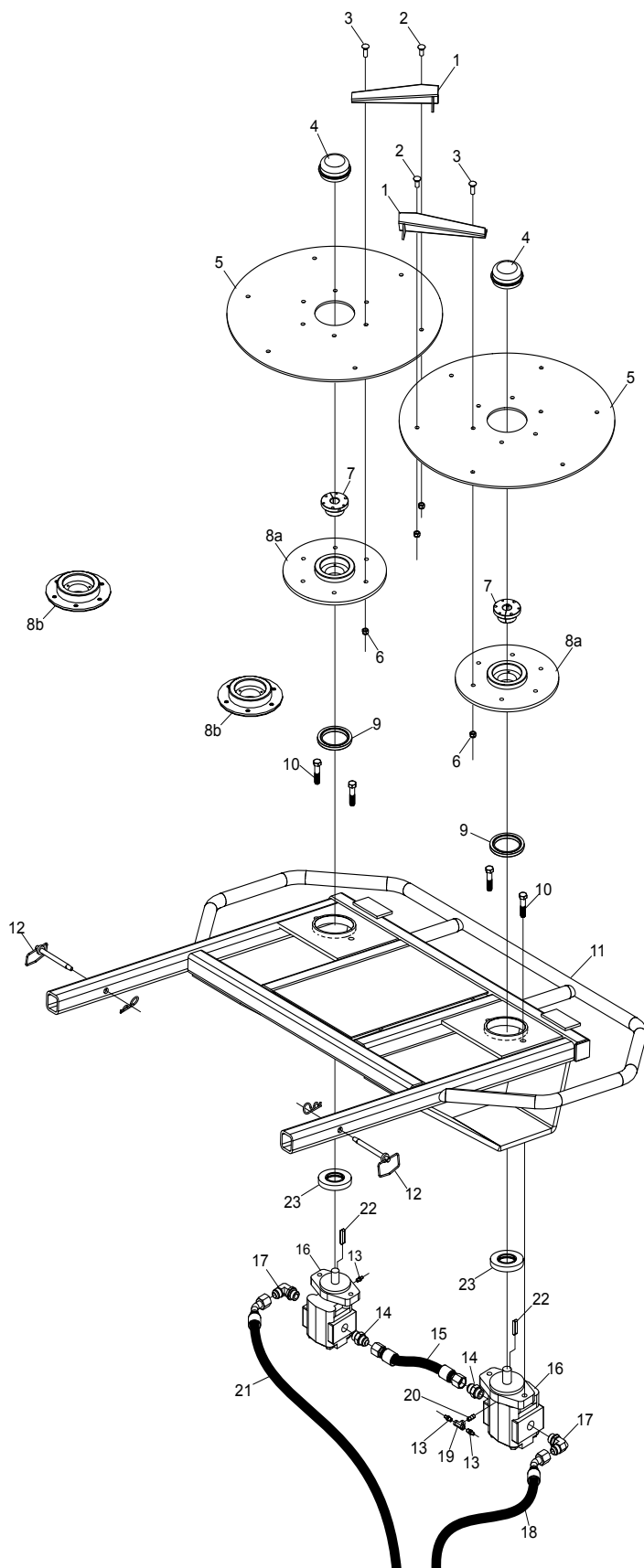
Ref#	Description	Part#
10	IP39 Gasket	801438
11	5/16" x 2" Hex Head Bolt, Gr. 8	000122
12	5/16" Lock Washer	000810
13	1/8" NPT Vent Plug, 5 PSI	801430
14	3/8" NPT x 1/8" NPT Bushing	801431
15	3/8" NPT MAG Square Head Plug	801432
16	5/16" x 1" Gr. 8 Bolt	401434
17	1/2" x 1/2" x 1-1/2" Key	801439
18	Complete Gearbox	801418

Rear Gate



Ref#	Description	Part#	Qty
1	Endgate Weldment	890120	1
2	Flange Bearing	806108	3
3	Endgate Shaft	890444	1
4	Latch Pin	806052	1
5	Roll Pin, 1/8 x 3/4	000561	1
6	Endgate Latch Spring	806166	1
7	Endgate Wheel	806131	1
8	Swivel Handle	890193	1

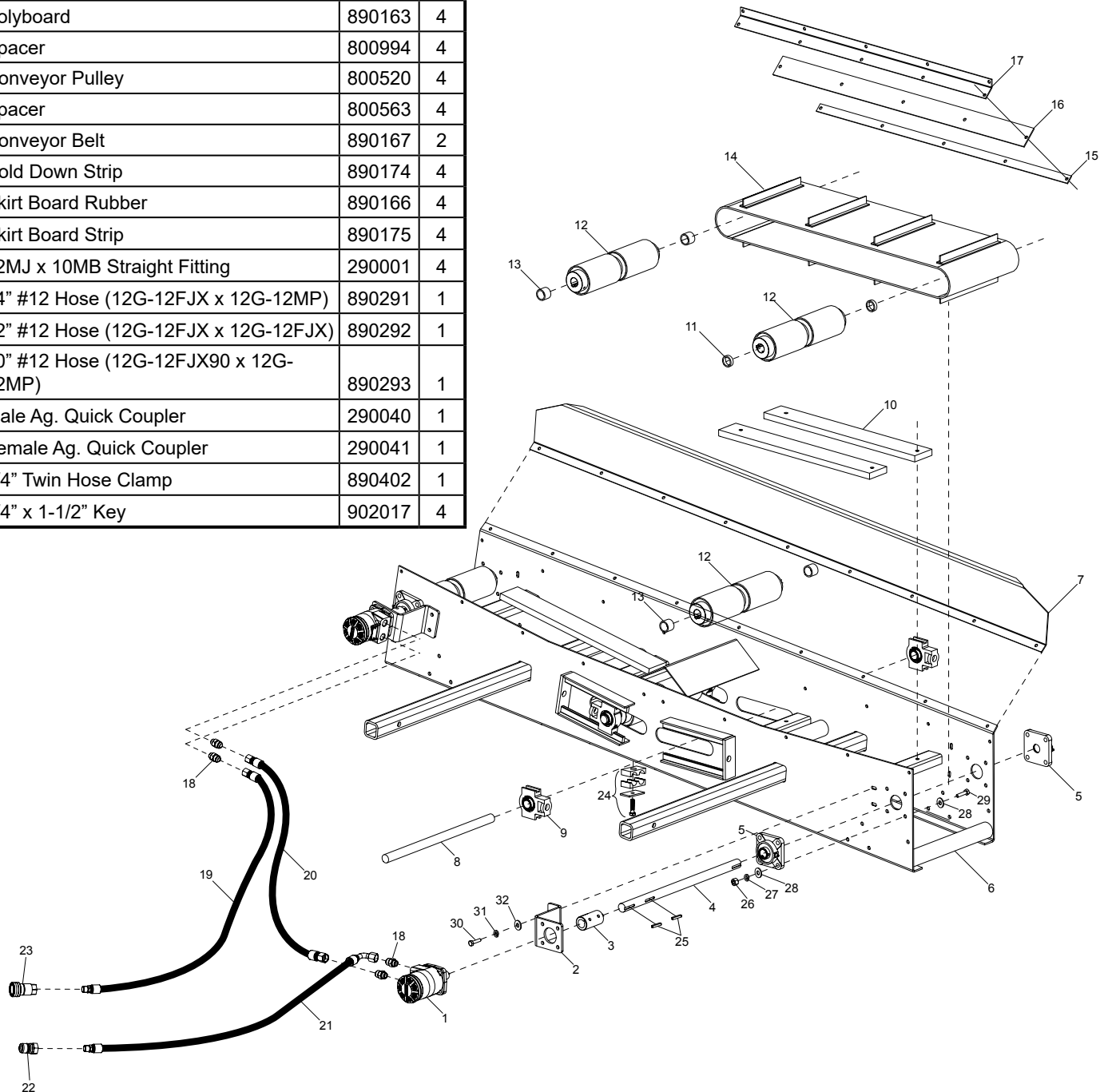
Spinner Assembly



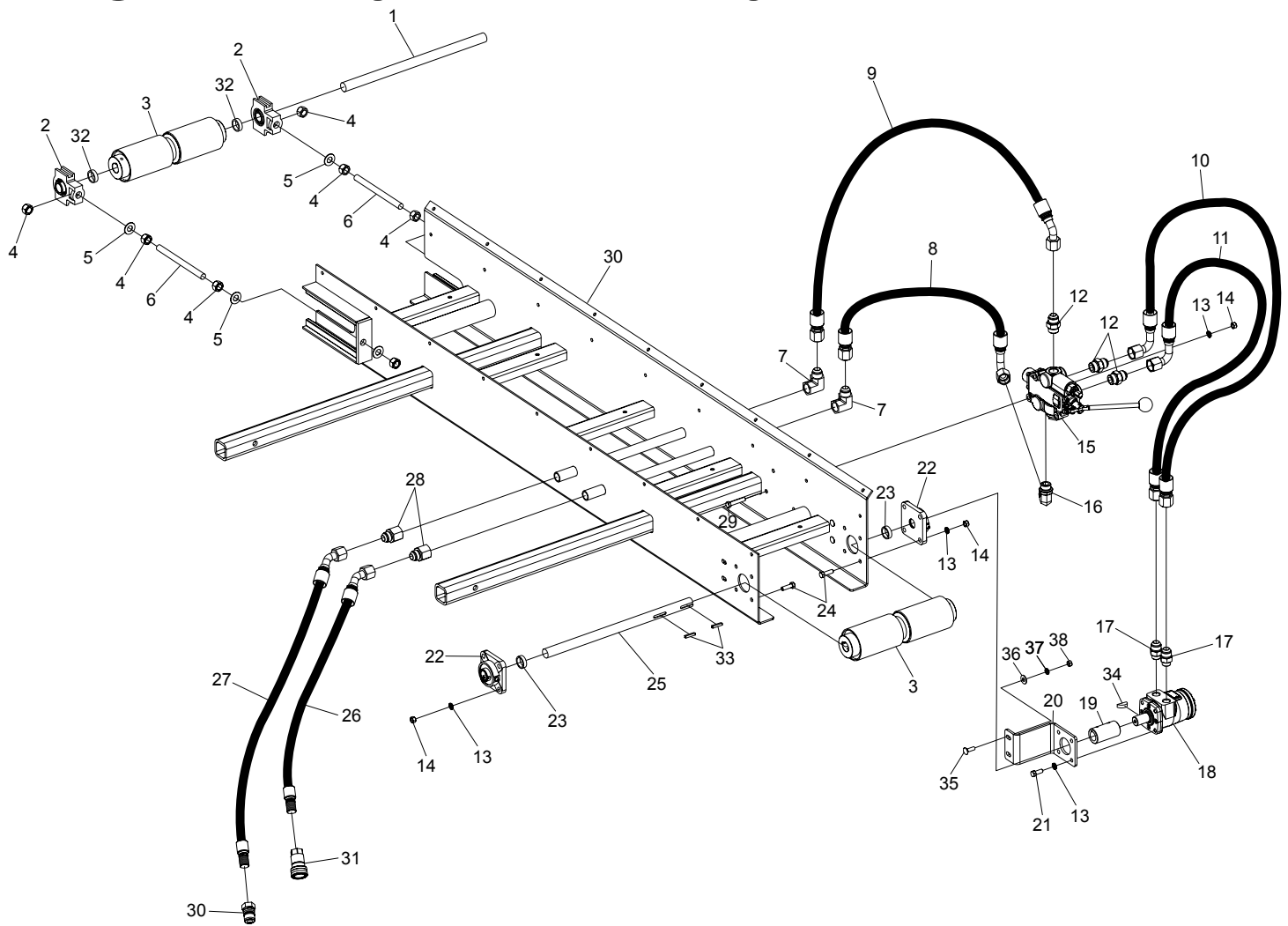
Ref#	Description	Part#	Qty
1a	Spinner Paddle, Right	830265	6
1b	Spinner Paddle, Left	830267	6
2	Carriage Bolt, 7/16 x 1	000356	12
3	Carriage Bolt, 7/16 x 1-1/2	000359	12
4	Dust Cap	830314	2
5	Spinner Disc	830309	2
6	Locknut, 7/16	000385	24
7	Tapered Bushing	505420	2
8a	Spinner Hub	830313	2
8b	Spinner Hub S/N 93756+	830629	2
9	Seal	830317	2
10	1/2" x 2-1/2" Hex Head Bolt	000460	4
11	Spinner Frame	890266	1
12	Hitch Pin	100292	1
13	1/4 Straight Fitting	290036	3
14	Straight Fitting	290065	2
15	15" Hose	890363	1
16	Hydraulic Motor	830318	2
	Seal Kit for Motor	830345	N/A
	Replacement 1" Key Shaft	830391	N/A
17	Elbow Fitting	290022	2
18	32" Hose	890362	1
19	"T" Fitting	290033	1
20	Pipe Nipple	290039	1
21	56" Hose	890364	1
22	1/4" x 3/8" x 1-1/4" Key	830390	2
23	Spinner Motor Shaft Seal	830389	2

Dual Conveyor Assembly

Ref#	Description	Part#	Qty
1	Hydraulic Motor	890164	2
2	Motor Bracket	800244	2
3	Coupler	400113	2
4	Drive Shaft	890277	2
5	Flange Bearing	700053	4
6	Conveyer Frame Weldment	890158	1
7	Side Extension	890172	1
8	Idler Shaft	800578	2
9	Take-up Bearing	806106	4
10	Polyboard	890163	4
11	Spacer	800994	4
12	Conveyor Pulley	800520	4
13	Spacer	800563	4
14	Conveyor Belt	890167	2
15	Hold Down Strip	890174	4
16	Skirt Board Rubber	890166	4
17	Skirt Board Strip	890175	4
18	12MJ x 10MB Straight Fitting	290001	4
19	84" #12 Hose (12G-12FJX x 12G-12MP)	890291	1
20	72" #12 Hose (12G-12FJX x 12G-12FJX)	890292	1
21	20" #12 Hose (12G-12FJX90 x 12G-12MP)	890293	1
22	Male Ag. Quick Coupler	290040	1
23	Female Ag. Quick Coupler	290041	1
24	3/4" Twin Hose Clamp	890402	1
25	1/4" x 1-1/2" Key	902017	4



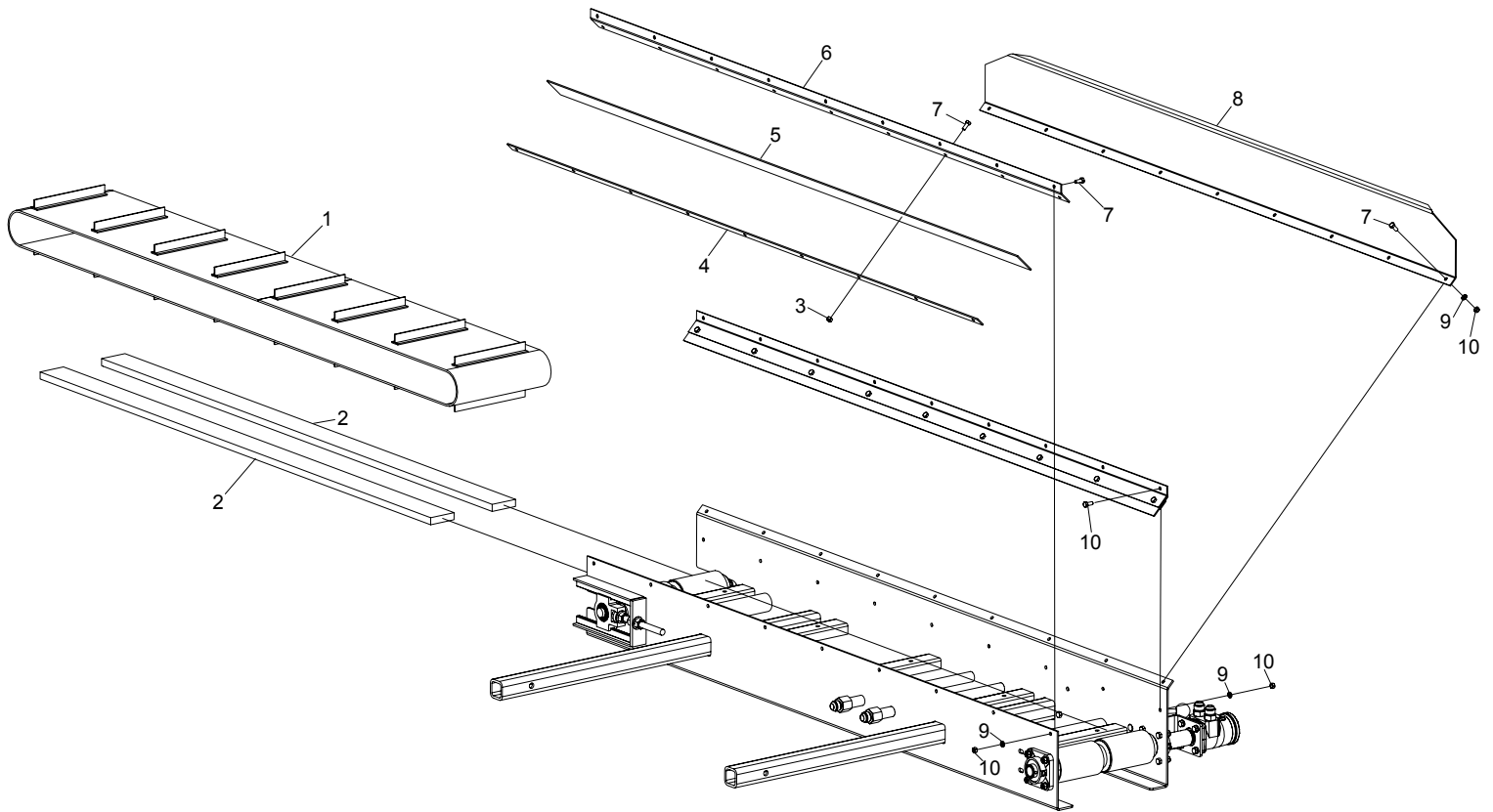
Single Conveyor Option - Hydraulics and Drive



Ref#	Description	Part#	Qty
1	1" x 18.5" Idler Shaft	800578	1
2	1" Take Up Bearing	830666	2
3	Cross Conveyor Pulley	800520	2
4	5/8" Hex Nut	000970	8
5	5/8" Flat Washer	001076	6
6	5/8-11 All Thread x 7.875	806139	2
7	90° Fitting (12 MJ x 12 FP)	290093	2
8	27" Hose (12FJX90 x 12FJX)	890948	1
9	29" Hose (12FJX45 x 12FJX)	890947	1
10	29" Hose (12FJX x 12FJX90S)	890945	1
11	21" Hose (12FJX x 12FJX90S)	890946	1
12	Straight Fitting (12 MJ x 12 MB)	290065	3
13	3/8" Lock Washer	000820	15
14	3/8" Hex Nut	000915	11
15	Motor Spool Valve	890403	1
16	90° Elbow (12 MJ x 12 MB)	290022	1
17	Straight Fitting (12 MJ x 10 MB)	290001	2
18	Hydraulic Motor (101-1011)	890164	1
19	Drive Shaft Couple	400113	1

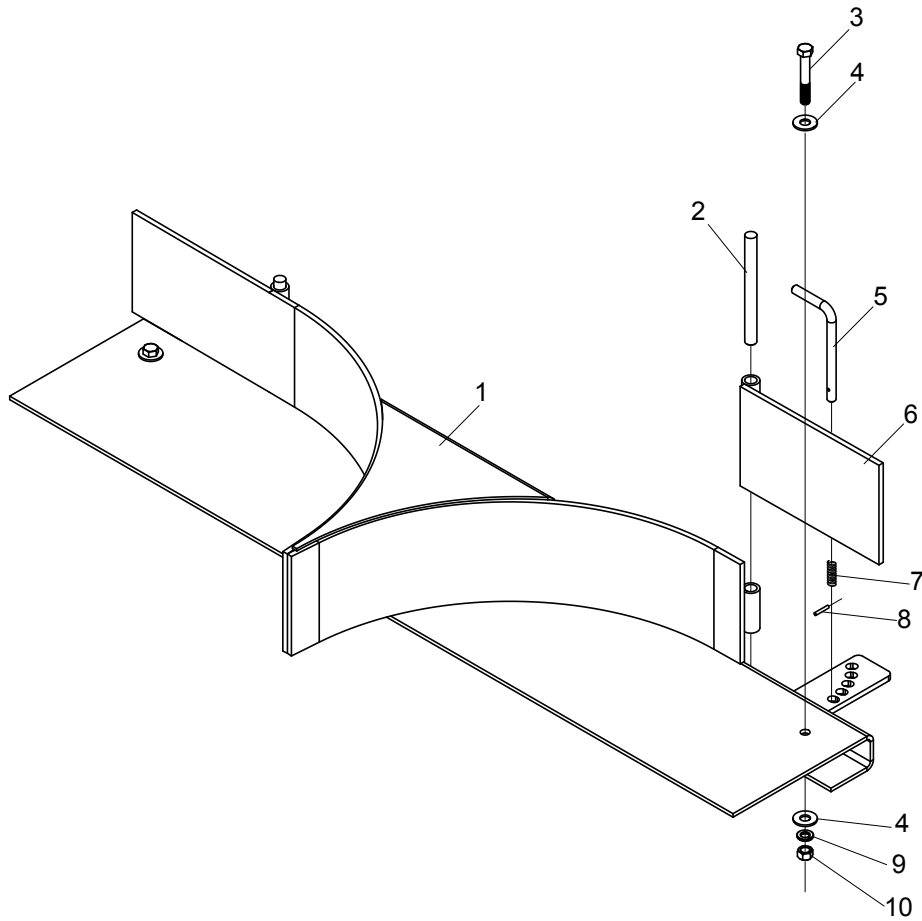
Ref#	Description	Part#	Qty
20	Motor Bracket	800244	1
21	3/8" x 1" Hex Head Bolt	000270	4
22	1" 4-Bolt Flange (UCF 205-16)	700053	2
23	.375" Conveyor Pulley Spacer	800994	2
24	3/8" x 1-1/4" Hex Head Bolt	000275	8
25	1" x 18.813 Drive Shaft	800542	1
26	26" Hose (12FJX45 x 12MP)	890944	1
27	41" Hose (12FJX45 x 12MP)	890943	1
28	Straight Fitting (12 MJ x 12 FP)	290019	2
29	3/8" x 2" Hex Head Bolt	000286	3
30	3/4" Male Ag Quick Coupler	290040	1
31	3/4" Female Ag Quick Coupler	290041	1
32	1" Conveyor Pulley Spacer	800563	2
33	1/4" x 1-1/2" Key	902017	2
34	1/2" x 1" Half Moon Key	900863	1
35	5/16" x 1" Carriage Bolt	000124	2
36	5/16" USS Flat Washer	001030	2
37	5/16" Split Lock Washer	000810	2
38	5/16" Hex Nut	000910	2

Single Conveyor Option - Flooring and Rubber



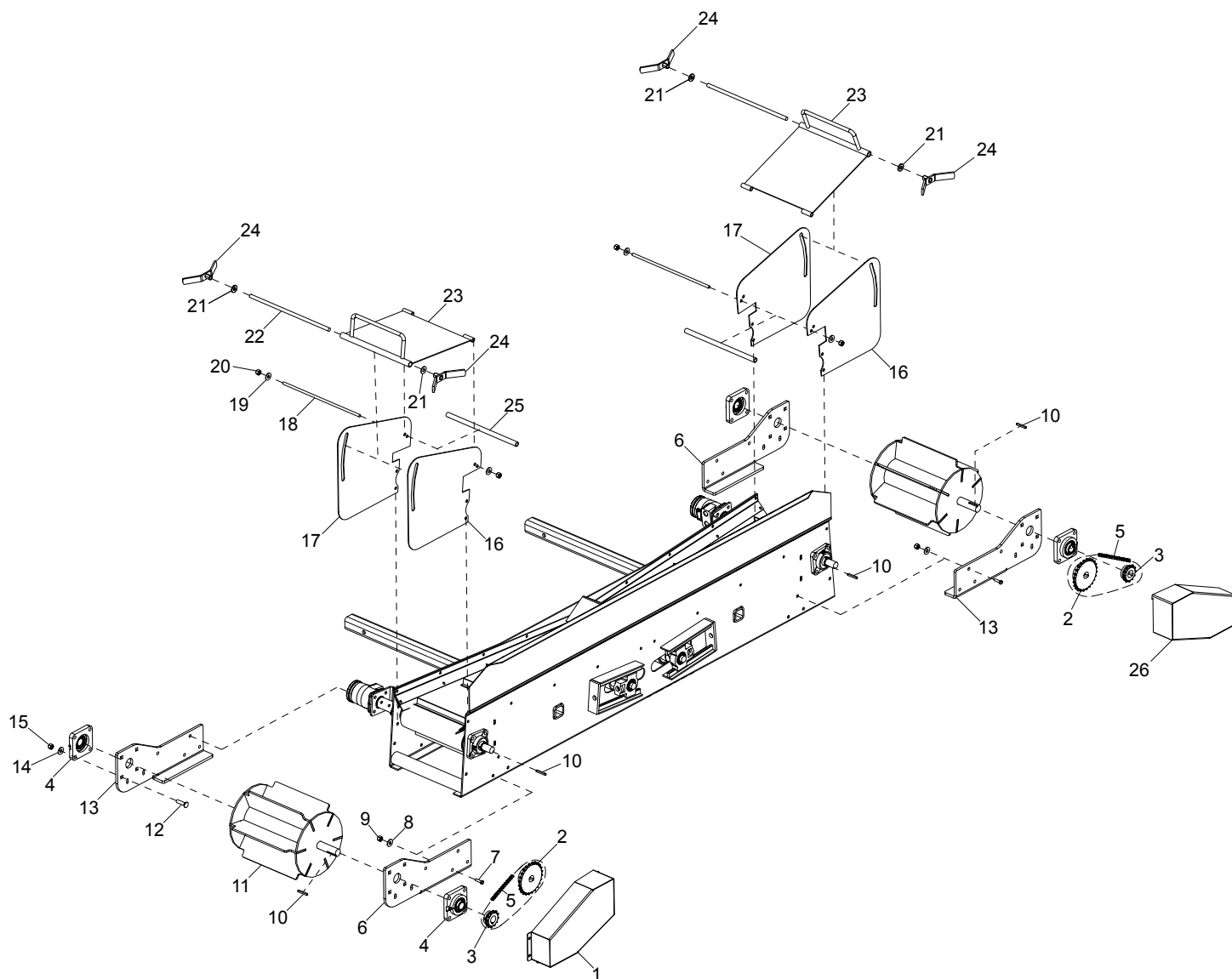
Ref#	Description	Part#	Qty
1	Single Conveyor Belt	890400	1
2	.75" x 3" x 65" Polyboard	890401	2
3	5/16"-18 Nylon Lock Nut	002999	18
4	1" x 78.25" Hold Down Strip	890399	2
5	.125" x 2.5" x 78.25" Skirtboard Rubber	890398	2
6	2.5" x 78.25" Skirtboard Strip	890396	2
7	5/16" x 3/4" Hex Head Bolt	010005	45
8	Cross Conveyor Extension Side	890172	1
9	5/16" Split Lock Washer	000810	27
10	5/16" Hex Nut	000910	27

Deflector Option



Ref#	Description	Part#	Qty
1	Deflector Frame	890179	1
2	Hinge Pin	801063	2
3	Bolt, 3/8 x 2-1/2	000300	3
4	Flat Washer, 3/8	001035	6
5	Latch Pin	806052	2
6	Flow Deflector, Left	890181	1
	Flow Deflector, Right	890180	1
7	Spring	806166	2
8	Roll Pin	000561	2
9	Lockwasher, 3/8	000820	3
10	Nut, 3/8	000915	3

Flicker Option

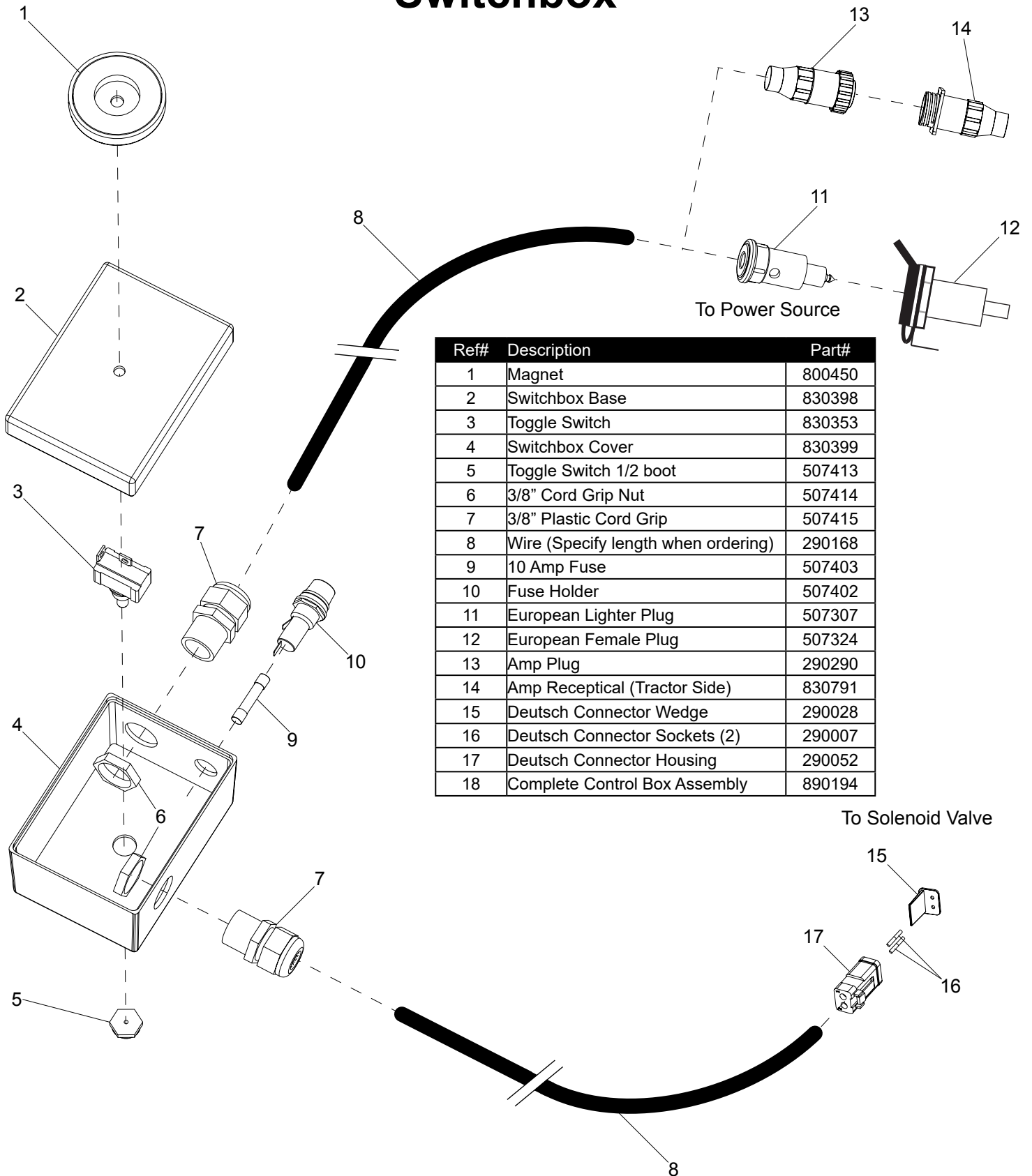


Note: See page 11 for part information on dual conveyor option.

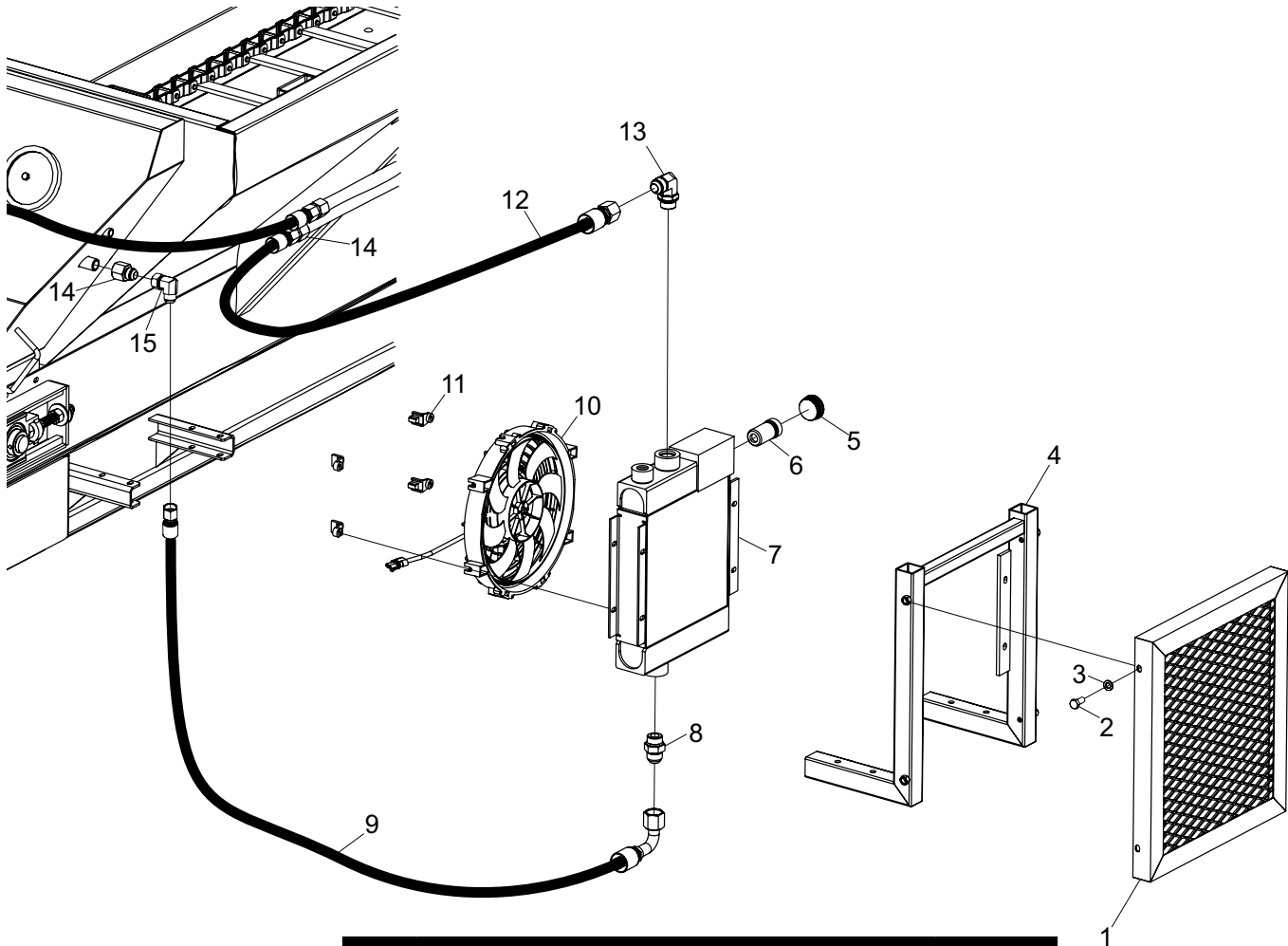
Ref#	Description	Part#	Qty
1	Left Chain Shield Weldment	890281	1
2	Large Sprocket	830666	2
3	Small Sprocket	830665	2
4	4 Bolt 1-1/8" Flange Bearing	400104	4
5	ANSI #50 Chain	890290	2
6	Flicker Mounting Bracket	890259	2
8	3/8" Lock Washer	000820	12
9	3/8" Hex Nut	000915	12
10	1/4" x 1-1/2" Key	700161	2
11	Flicker Weldment	890254	2
12	7/16" x 1-3/4" Carriage Bolt	000363	16
13	Flicker Mounting Bracket	890257	2
14	7/16 Lock Washer	000830	16

Ref#	Description	Part#	Qty
15	7/16" Hex Nut	000935	16
16	Rear Flicker Side Panel	890265	2
17	Front Flicker Side Panel	890274	2
18	3/8" Threaded Rod	890288	2
19	3/8" Flat Washer	001035	4
20	3/8" Lock Nut	003000	4
21	1/2" Flat Washer	001055	4
22	1/2" Threaded Rod	890287	2
23	Flicker Deflector Weldment	890268	2
24	Tightener Handle	890272	2
25	Flicker Spacer Pipe	890270	2
26	Right Chain Shield Weldment	890283	1

Switchbox



Oil Cooler Option



Ref#	Description	Part#
1	Cooler Grill Weldment	801166
2	5/16-18 x 3/4 Truss Head Bolt, Zinc	000210
3	5/16 Lock Washer, Zinc	000810
4	Cooler Frame Weldment	801160
5	#20 Plug	890459
6	Oil Cooler Check Valve	890462
7	Oil Cooler Core	890463
8	zStraight Fitting, #12 MJ x #12 MB	290065
9	45-1/2" Hose Assembly (12FJX90S - 12FJX)	891211
10	Oil Cooler Fan W/Shroud	890460
11	Oil Cooler Fan Mounting Bracket	890461
12	27" Hose Assembly (12FJX - 12FJX)	890357
13	90 Degree Fitting, #12 MJ x #12 MB	290022
14	Straight Fitting, - #12 MJ x #12 FP	290019
15	90 Degree Elbow, - #12 MJ x #12 FJX	290150
16	Complete Oil Cooler	890209