



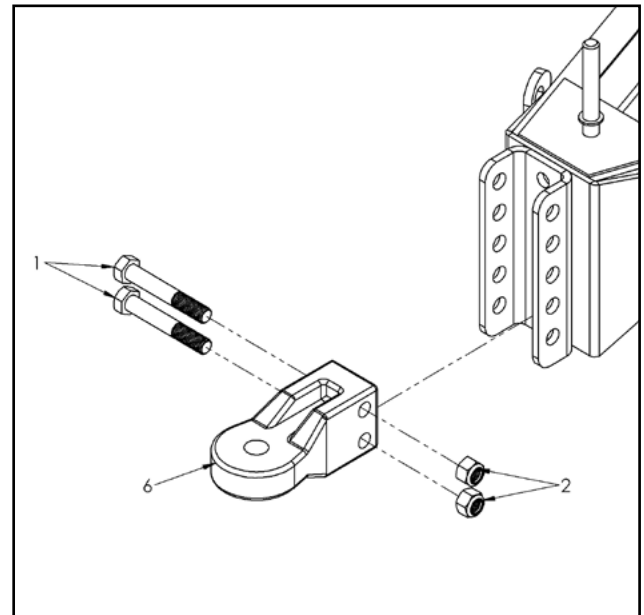
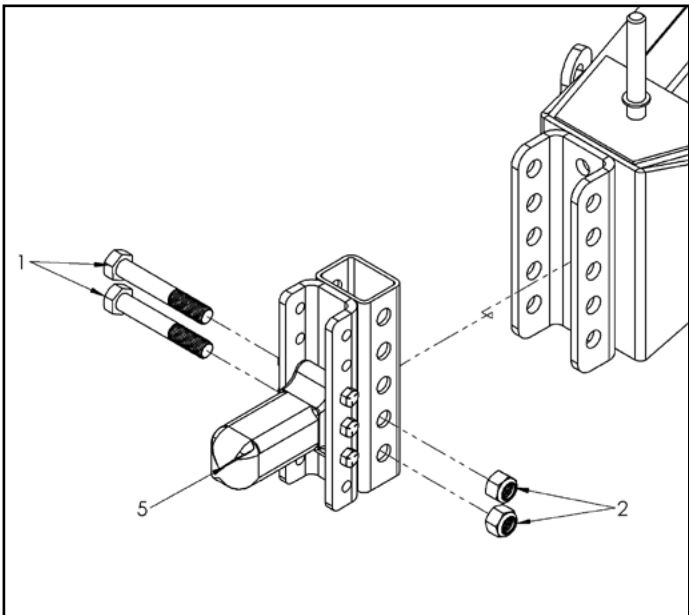
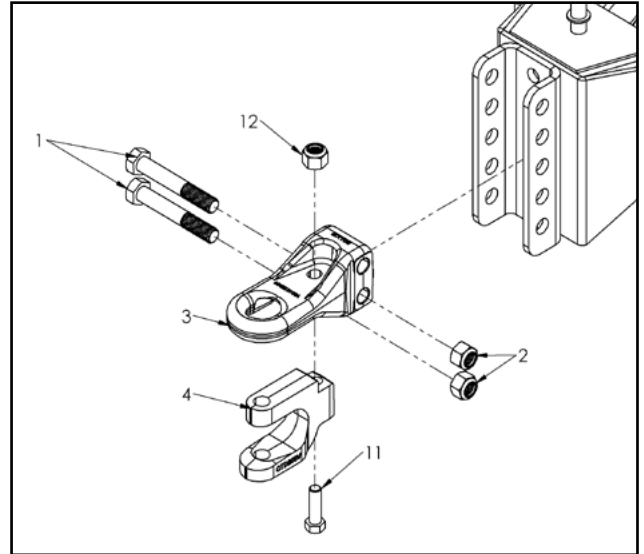
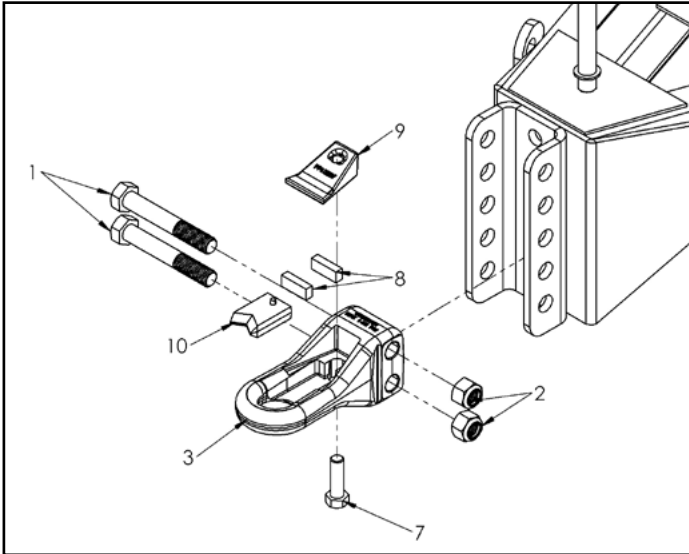
V12 Orchard Spreader

Serial Numbers 100038 And Higher

Illustrated Parts Breakdown

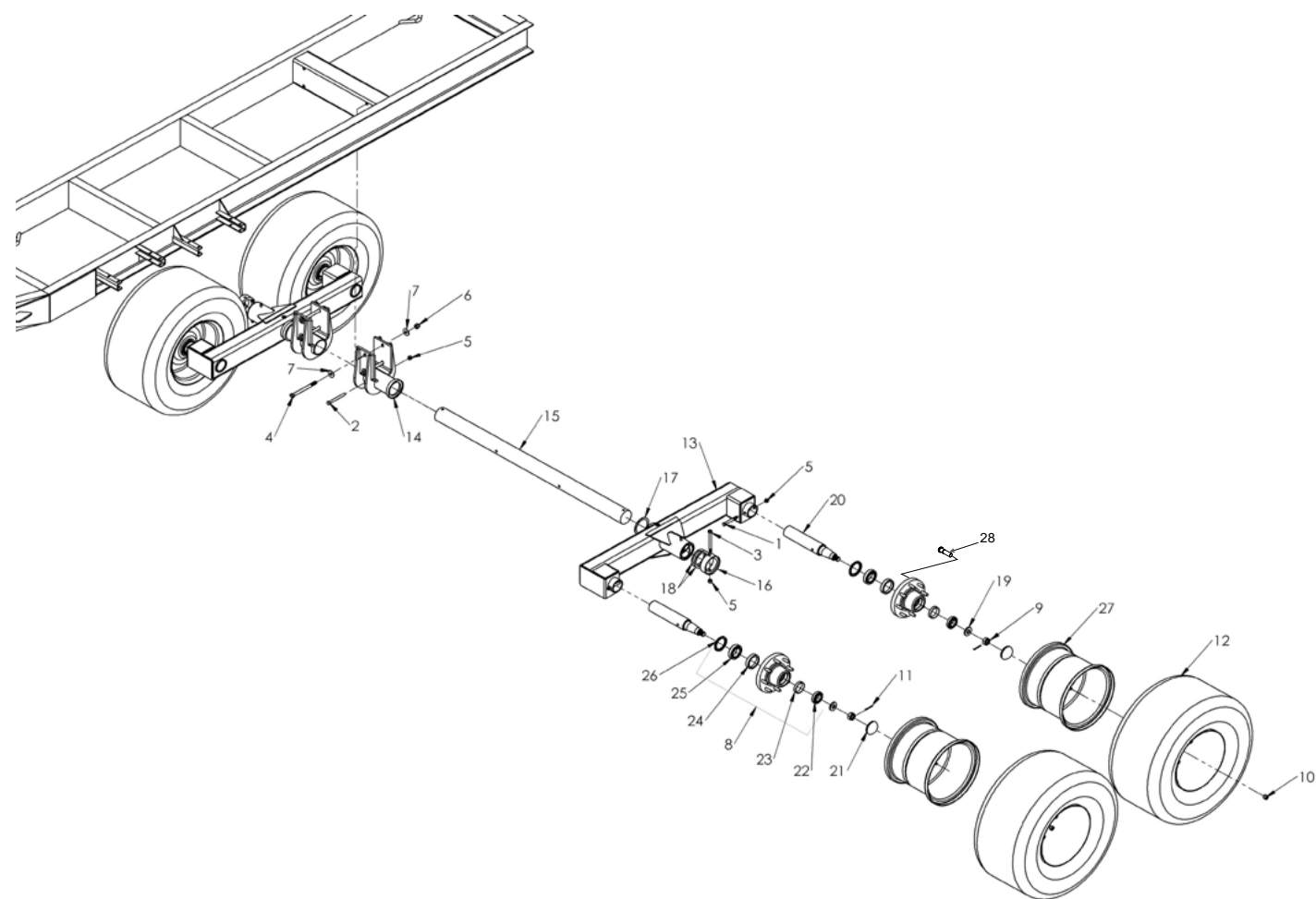
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Hitch Assembly Options



Ref#	Description	Part#	Qty
1	Hex Head Bolt G8, 1-8 x 6-1/2"	000791	2
2	Nylon Lock Nut, 1-8	001012	2
3	Pintle Hitch, Perfect Hitch Opt.	896285	1
4	Clevis Hitch Attachment	896309	1
5	Hitch Coupler Adaptor (Kit)	896336	1
6	Bull Pull Swivel Hitch	896215	1
7	Grade 5 Bolt, CTD	896429	1
8	Neoprene Cushion	896427	2
9	Top Plate	896426	1
10	V-Block	896428	1
11	Grade 8 Bolt, CTD	896430	1
12	Hex Nut, CTD	896431	1

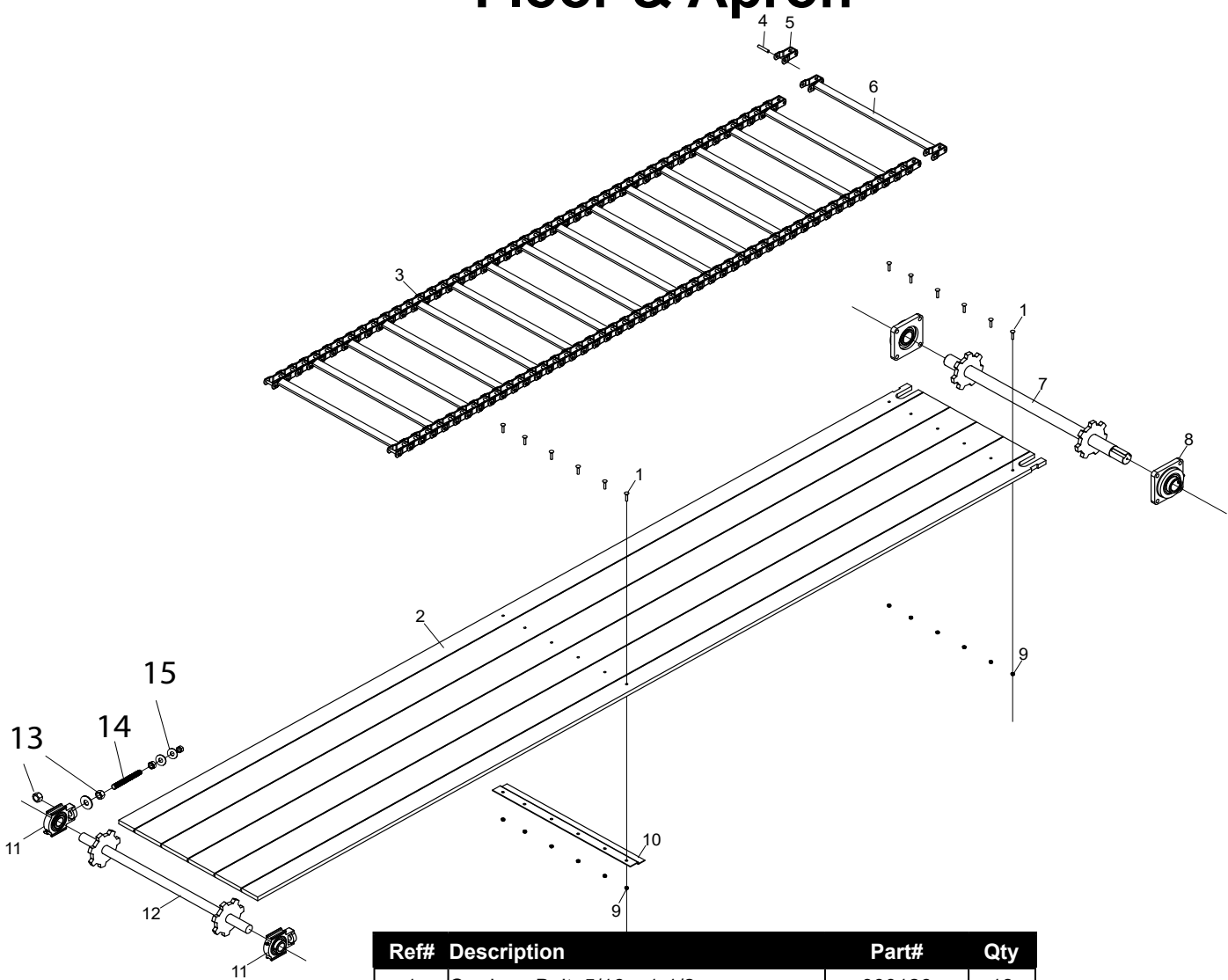
Axle Assembly



Ref#	Description	Part#	Qty
1	1/2-13 x 4 HH Bolt	000490	4
2	1/2-13 x 5 HH Bolt	000510	2
3	1/2-13 x 6 HH Bolt	000550	2
4	5/8-11 x 7-1/2 HH Bolt	000662	4
5	1/2-13 Nylon Lock Nut	000950	8
6	5/8-11 Nylon Lock Nut	000972	4
7	5/8 Flat Washer	001075	8
8	Hub Assembly, G60-8	300242	4
9	1-14 Castle Hex Nut	300275	4
10	5/8 Lug Nut	300278	32
11	Cotter Pin, 5/32 x 1-3/4	300282	4
12	Tire, 18L x 16.1 Implement Tire	800513	2
13	Walking Beam	890549	2

Ref#	Description	Part#	Qty
14	Axle Mount Weldment	890555	2
15	Axle, Solid Round	890560	1
16	End Cap	890561	2
17	Spacer	890572	2
18	Spacer, Axle	890573	4
19	Hub Washer	890585	4
20	Spindle, G60-8 Hub	890588	4
21	Hub Cap	300249	4
22	Outer Bearing	300248	4
23	Outer Race	300247	4
24	Inner Race	300245	4
25	Inner Bearing	300244	4
26	Grease Seal	300243	4
27	Wheel, 16.1 x 14, 8 Bolt	830235	4
28	5/8-18 Stud Bolt, - Press In	300250	32

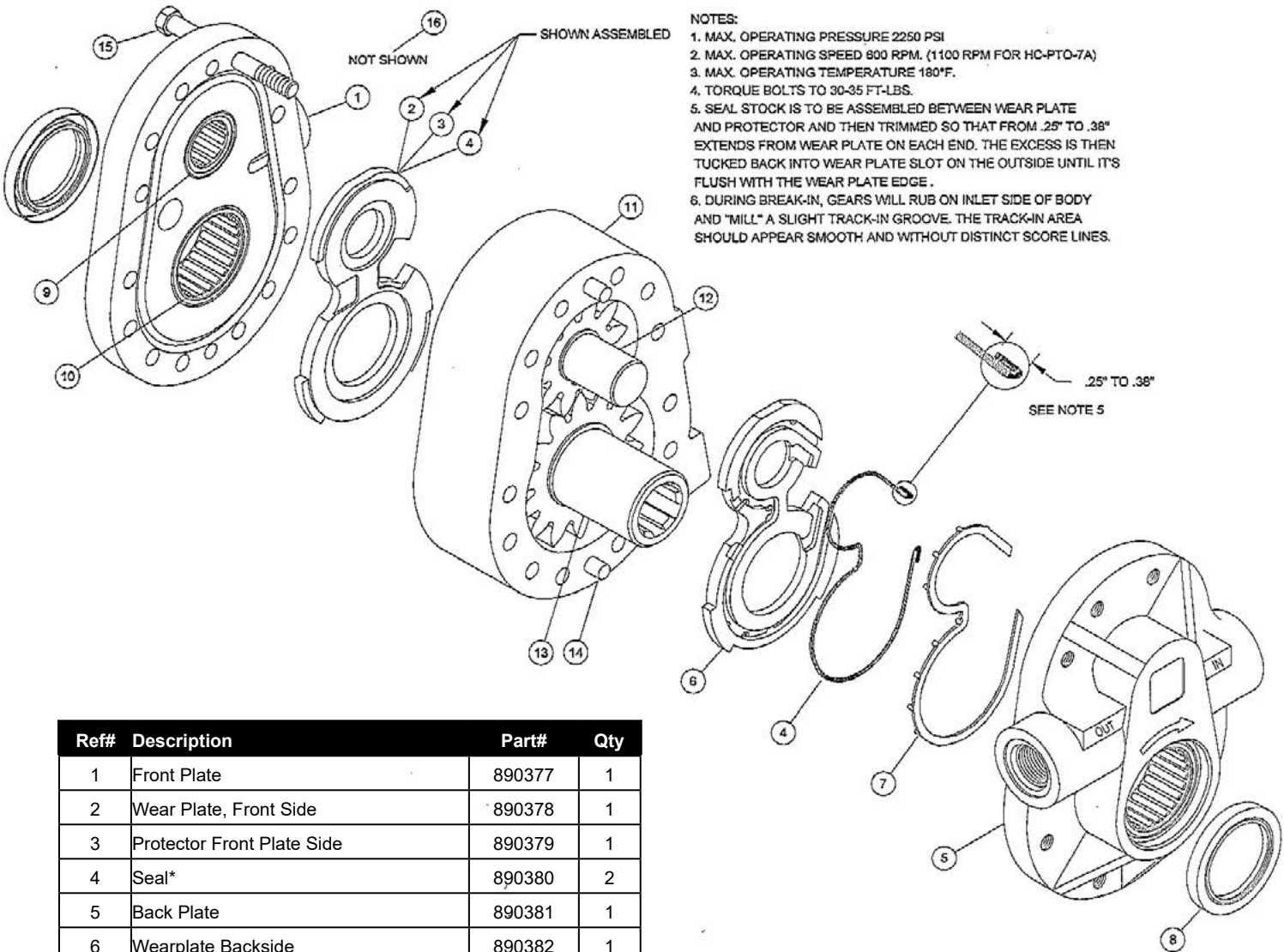
Floor & Apron



Ref#	Description	Part#	Qty
1	Carriage Bolt, 5/16 x 1-1/2	000126	18
2	Floor Board **	890198	6
3	Web Chain w/ Slats (10' Section)	830555-WD	3.3
4	Connector Pin	830328	N/A
5	Connector Link w/ Pin	830326	N/A
6	Slat Assembly	890375	N/A
7	Rear Drive Shaft Weldment	830528	1
8	Flange Bearing	801100	2
9	Nut, 5/16	000910	18
10	Floor Hold Plate	830557	3
11	Take-up Bearing	801099	2
12	Front Drive Shaft Weldment	830675	1
13	3/4-10 Hex Nut, Gr. 5	000975	8
14	Front Tensioner Rod	801175	2
15	3/4 USS Flat Washer	001085	6

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

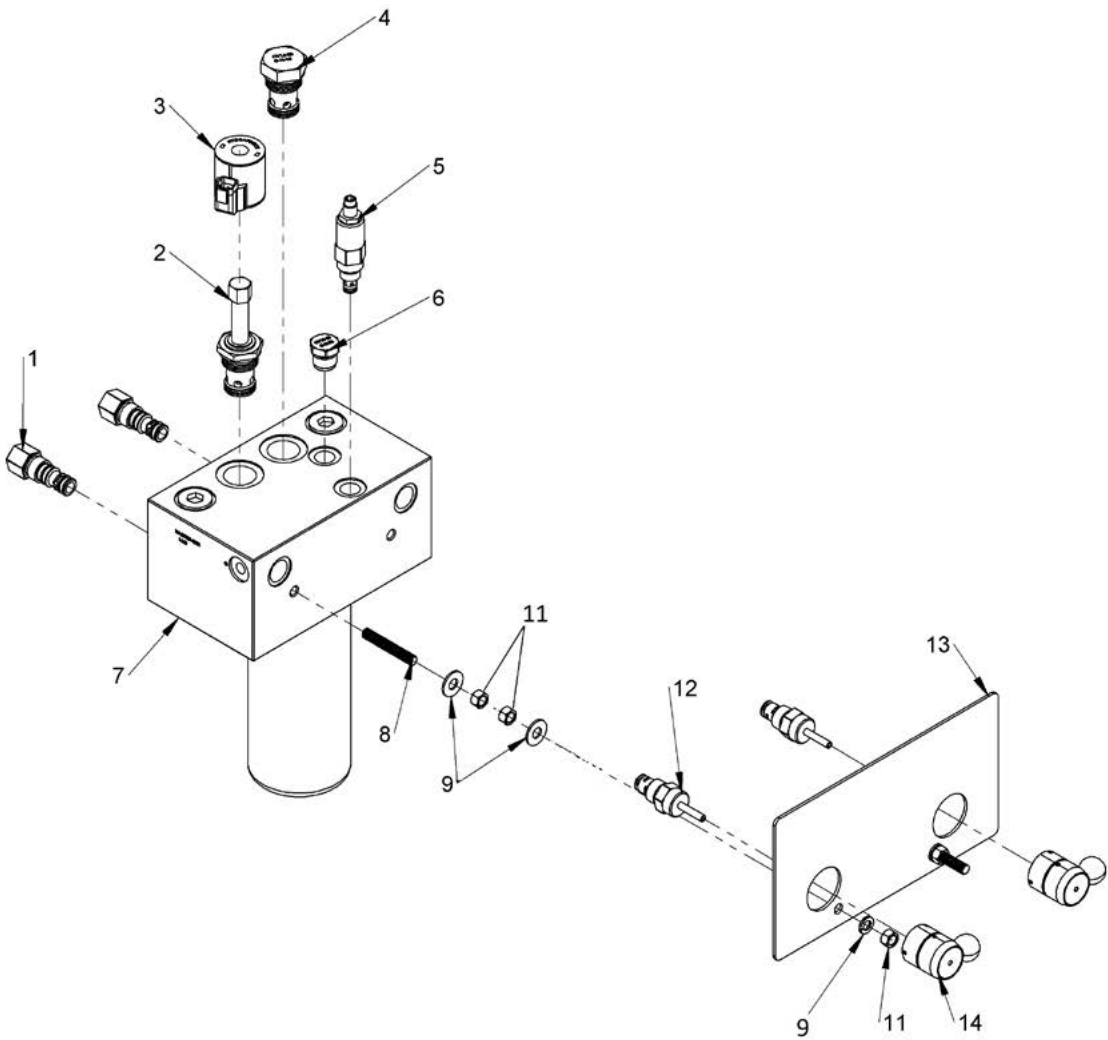
Pump Assembly



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.

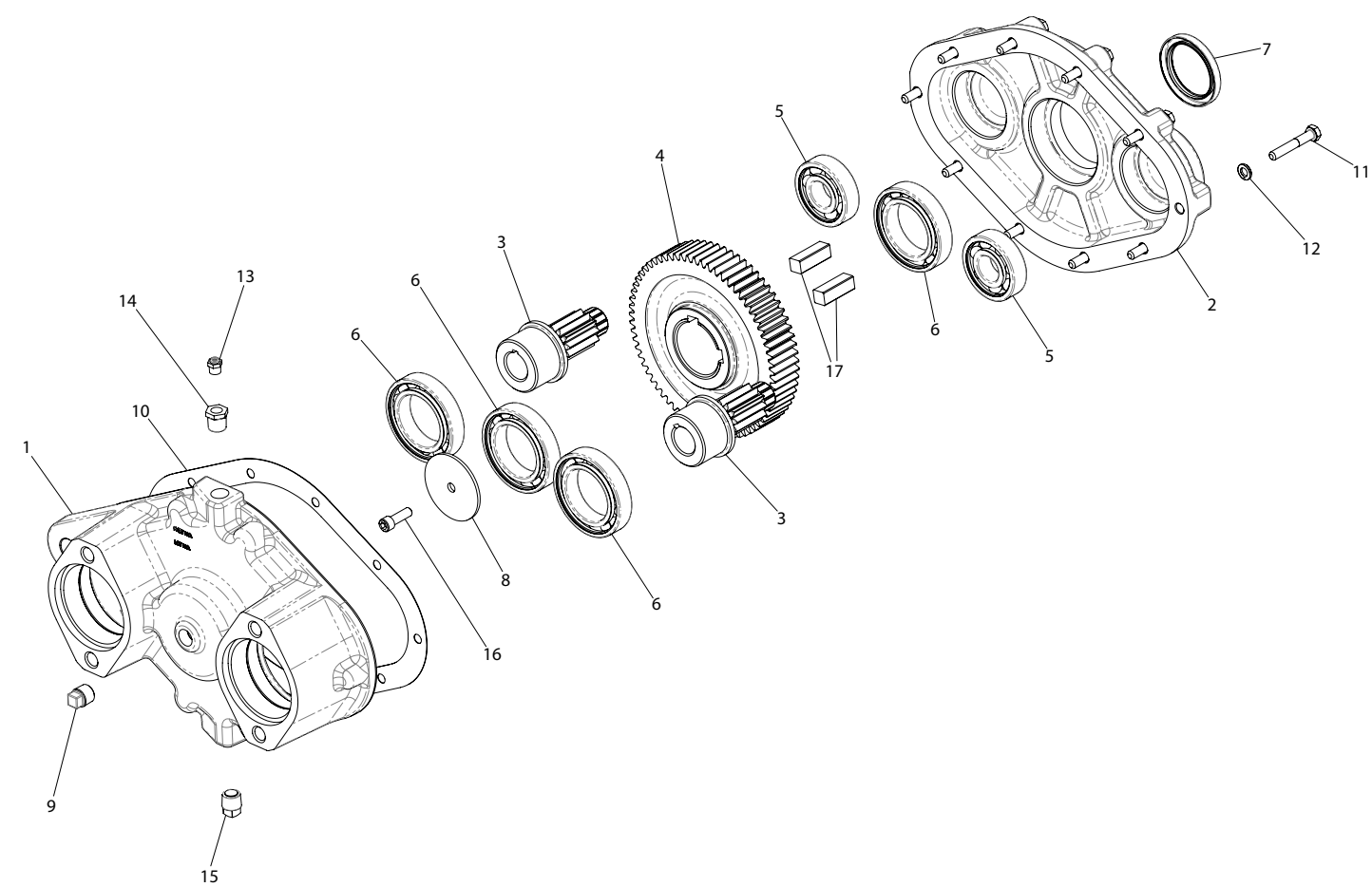
Manifold Components



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	896418
14	Control Knob, Detent	896413

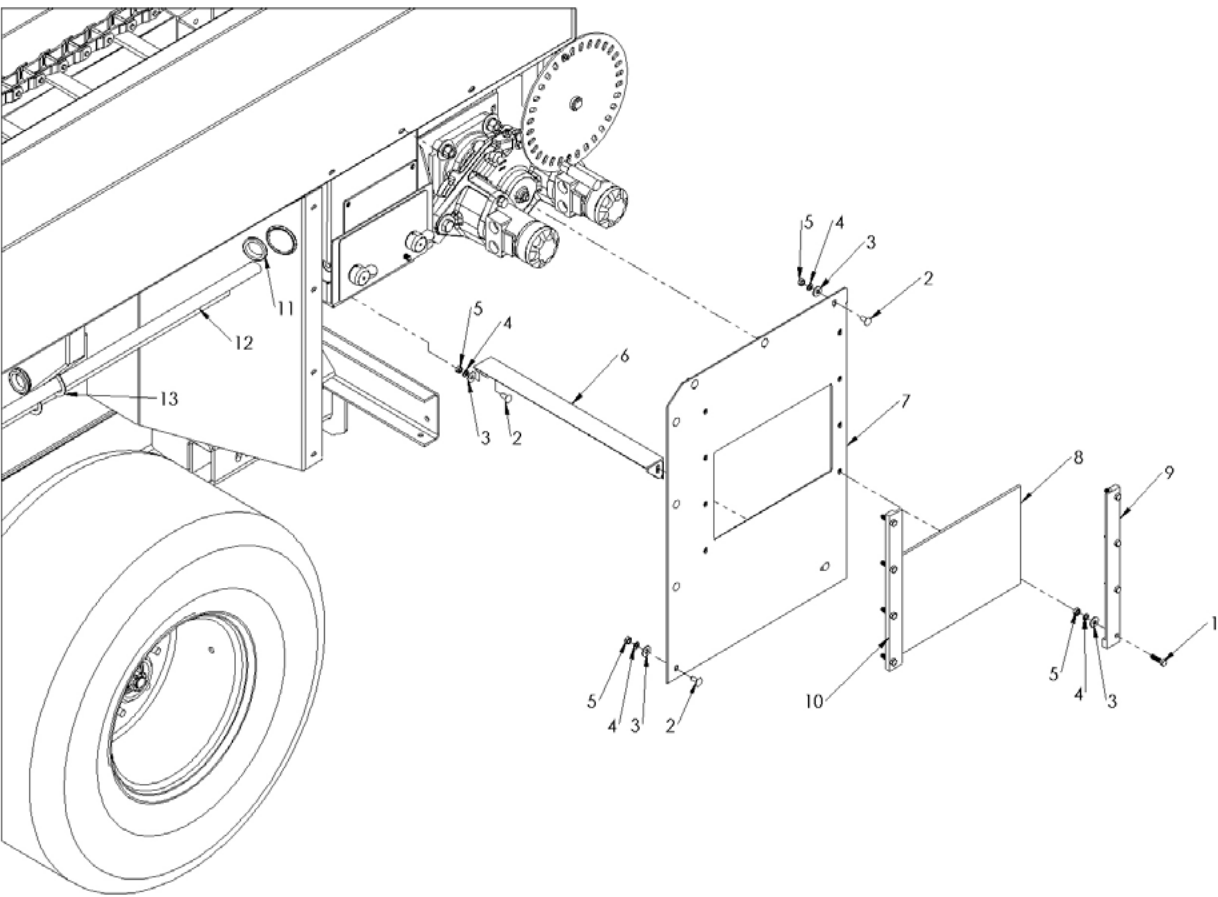
Gearbox Components



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

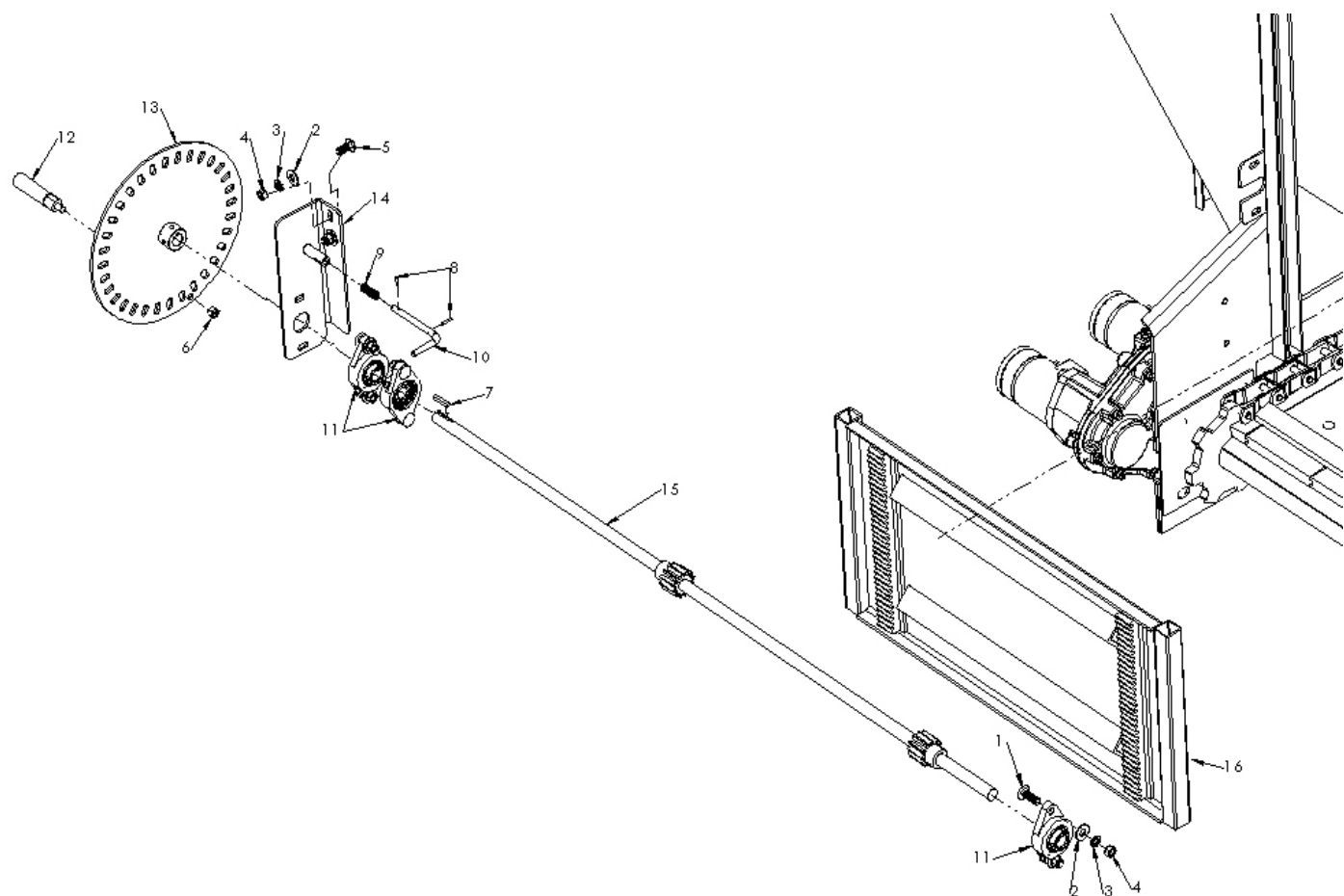
Ref#	Description	Part#
10	IP39 Gasket	801438
11	5/16" x 2" Hex Head Bolt, Gr. 8	000122
12	5/16" Lock Washer	000810
13	1/8" NPT Vent Plug, 5 PSI	801430
14	3/8" NPT x 1/8" NPT Bushing	801431
15	3/8" NPT MAG Square Head Plug	801432
16	5/16" x 1" Gr. 8 Bolt	401434
17	1/2" x 1/2" x 1-1/2" Key	801439
18	Complete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

Manifold Cover



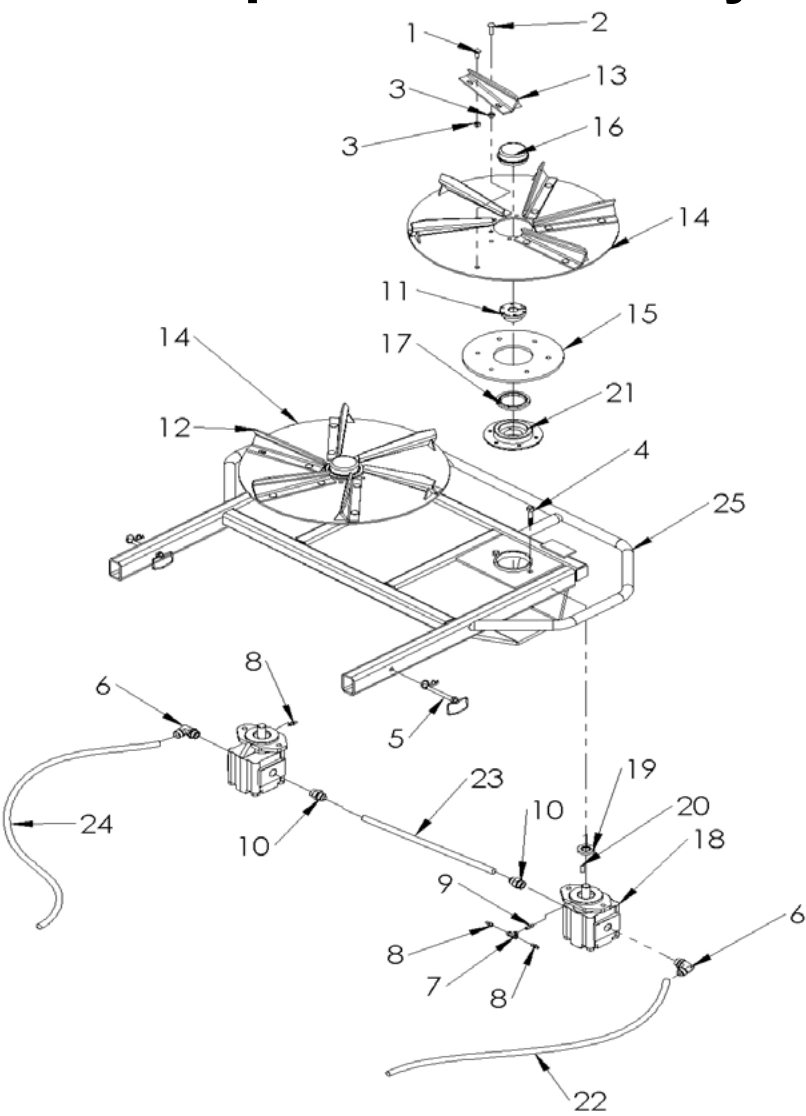
Ref#	Description	Part#	Qty
1	5/16-18 x 1-1/4 Hex Head Bolt	000230	8
2	5/16-18 x 3/4 Carriage Bolt	000121	9
3	5/16 USS Flate Washer	001030	17
4	5/16 Lock Washer	000810	17
5	5/16-18 Hex Nut	000910	17
6	Angle, Panel Brace	890530	1
7	Manifold Cover Plate	890545	1
8	Flow Control Cover	890200	1
9	Manifold Window Slide, Right	890456	1
10	Manifold Window Slide, Left	890455	1
11	Grommet, 1-1/2" ID, 1/8" Groove	403796	1
12	LPV12 Hydraulic Line	890154	2
13	U-Bolt, 5/16-18 x 1 x 1" Dia	001077	8

Rear Gate



Ref#	Description	Part#	Qty
1	3/8-16 x 1-1/4 Carriage Bolt	000150	6
2	3/8 USS Flat Washer	001035	8
3	3/8 Lock Washer	000820	8
4	3/8-16 Hex Nut	000915	8
5	3/8-16 x 1 Carriage Bolt	000125	2
6	3/8-16 Nylon Lock Nut	003000	1
7	Key, 3/16 x 1-1/4	401264	1
8	1/8 x 3/4 Roll Pin Stainless Steel	000561	2
9	Latch Pin	806052	1
10	Endgate Latch Spring	806166	1
11	Bearing, 3/4" Dia, 2 Hole Flange	806108	3
12	Swivel Handle	890193	1
13	Endgate Wheel Weldment	806131	1
14	Endgate Wheel Lock Bracket, Bolt-On	890613	1
15	Endgate Shaft Weldment	890522	1
16	Endgate Weldment, V12	890504	1

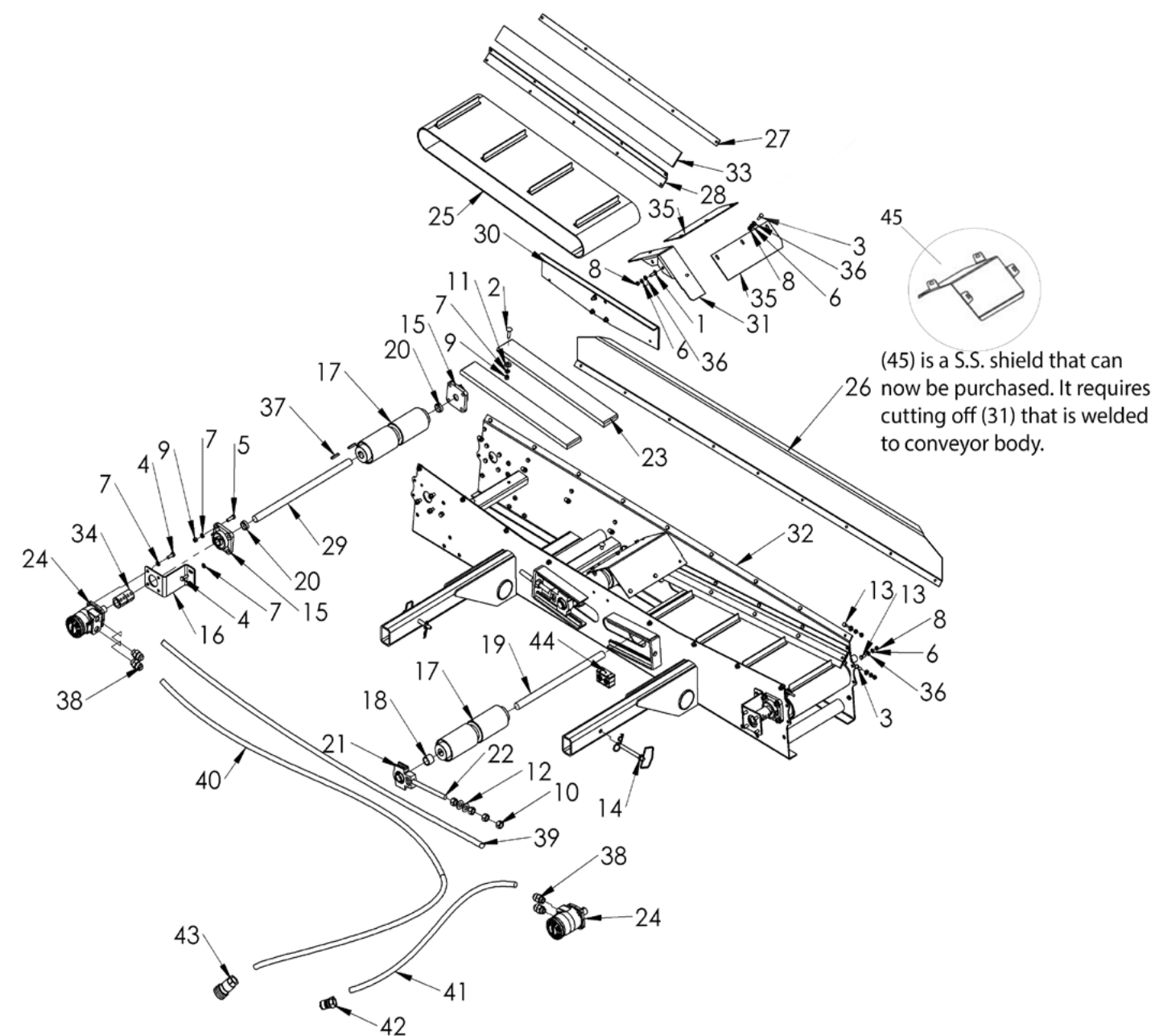
Spinner Assembly



Ref#	Description	Part#	Qty
1	7/16 x 1 Carriage Bolt	000356	12
2	7/16 x 1-1/4 Carriage Bolt	000359	12
3	7/16-14 Stover Nut	000387	25
4	1/2-13 x 2-1/2 Hex Head Bolt	000460	4
5	Hitch Pin	100292	2
6	Hyd Fitting, 90° Elbow 12MJ x 12MB	290022	2
7	Hyd T-Fitting, 1/4 FP	290033	1
8	Push Lock, 1/4 NPT male	290036	3
9	1/4" x 1-1/2" Brass Nipple	290039	1
10	Hyd Fitting, Striaight 12MJ x 12MB	290065	2
11	1" SDS Tapered Bushing	505420	2
12	Right Spinner Paddle Weldment	830265	6
13	Left Paddle Weldment	830267	6

Ref#	Description	Part#	Qty
14	25" Bolt On Spinner Disc	830309	2
15	Taper Lock Spinner Hub	830313	2
16	3.35 Ag Hub Cap	830314	2
17	Spinner Pilot Seal	830317	2
18	Permco M2100 Double Pump, 1" Dia Shaft	830318	2
19	Metric Seal, 25 x 52 x 7 mm	830389	2
20	Key, 1/4 x 3/8 x 1-1/2	830390	2
21	Tapered Spinner Hub	830629	1
22	32" Hose	890362	1
23	15" Hose	890363	1
24	56' Hose	890364	1
25	Spinner Frame Weldment	890527	1

Dual Conveyor Assembly

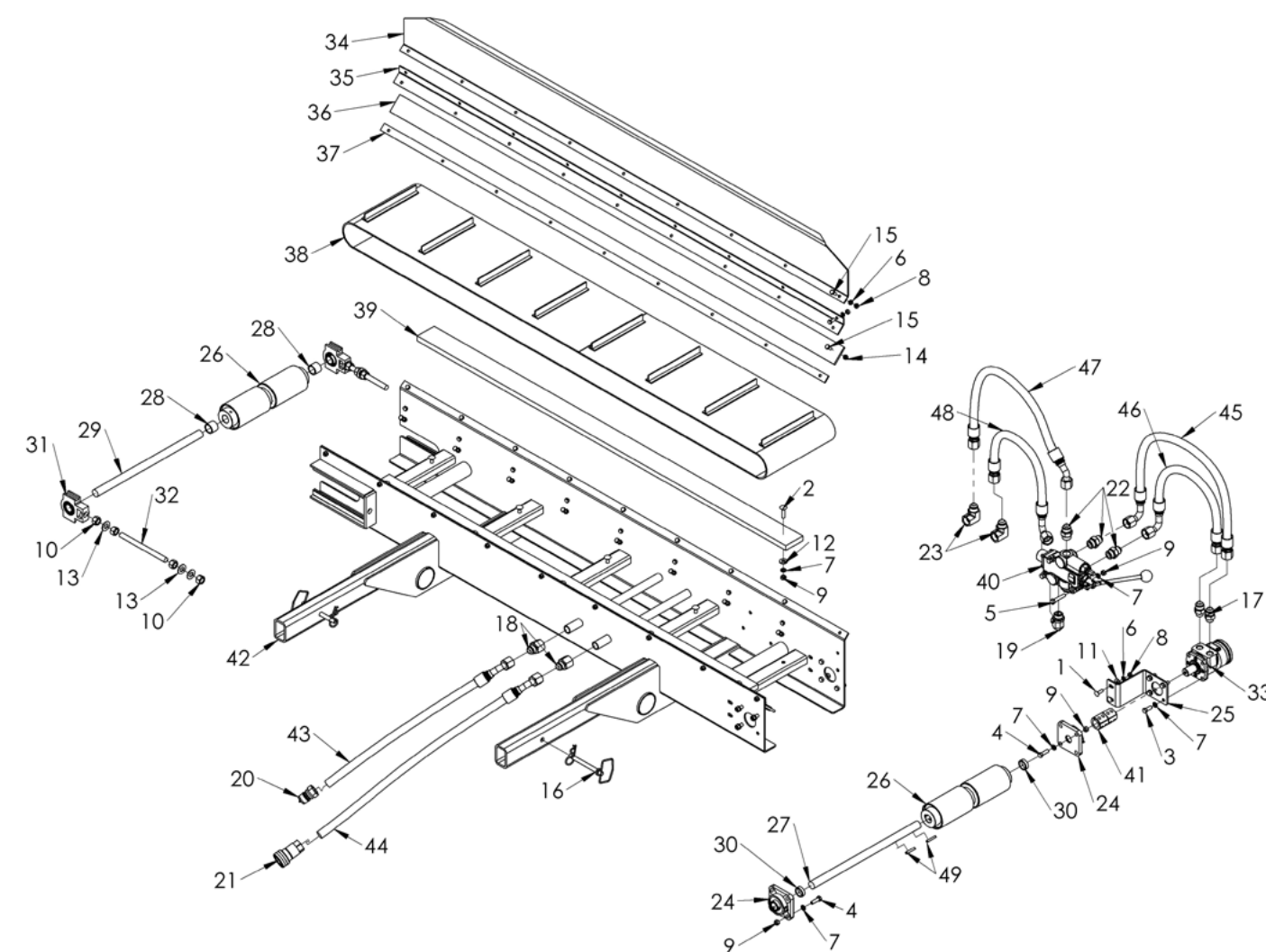


Dual Conveyor Assembly

Ref#	Description	Part#	Qty
1	5-16-18 x 1 Carriage Bolt	000124	2
2	3/8-16-2-1/2 Carriage Bolt	000151	8
3	5/16 x Hex Head Bolt	000221	30
4	3/8-16 x 1 Hex Head Bolt	000270	12
5	3/8-16 x 1-1/4 Hex Head Bolt	000275	16
6	5/16 Lock Washer	000810	58
7	3/8 Lock Washer	000820	36
8	5/16 - 18Hex Nut	000910	58
9	3/8-16 Hex Nut	000915	24
10	5/8-11 Hex Nut	000970	16
11	3/8 USS Flat Washer	001035	8
12	5/8 SAE Standard Flat Washer	001076	8
13	5/16 x 3/4 Hex Head Bolt	010005	26
14	Hitch Pin	100292	2
15	1" Dia. 4 Bolt Flange Bearing	700053	4
16	Motor Bracket, Conveyor	800244	2
17	Conveyor Pulley	800520	4
18	Conveyor Puller Spacer	800563	4
19	Side Conveyor Idler Shaft	800578	2
20	Conveyor Pulley Spacer	800994	4
21	1" Takeup Bearing	806106	4
22	5/8-11 All-Thread	806139	4

Ref#	Description	Part#	Qty
23	Poly Board	890163	4
24	101-1011 Motor	890164	2
25	12" x 75" Cleated Belt	890167	2
26	Cross Conveyor Extension Side	890172	1
27	Hold Down Strip	890174	4
28	Skirtboard Strip	890175	4
29	LPV12 Conveyor Shaft	890277	2
30	Cross Conveyor Baffle, Front	890500	1
31	Cross Conveyor Divider Extension	890501	2
32	Cross Conveyor Weldment, 2x3 Mount	890541	1
33	Skirtboard Polyurethane	890166	4
34	1" Shaft Coupler, Split	890586	2
35	Dual Conveyor Flow Divider Extension	890961	2
36	5/16 Flat Washer	001030	58
37	Key, .25 x 1.5	902017	4
38	12MJ x 10MB Straight Fitting	290001	4
39	72", #12 Hose (12G-12FJX x 12G-12FJX)	890292	1
40	84", #12 Hose (12G-12FJX x 12G-12MP)	890291	1
41	20", #12 Hose (12G-12FJX90 x 12G-12MP)	890293	1
42	3/4 Male Coupling	290040	1
43	3/4 Female Coupling	290041	1
44	3/4" Hose Clamp	890402	1
45	Conveyor Flow Divider	890566	1

Single Conveyor Option

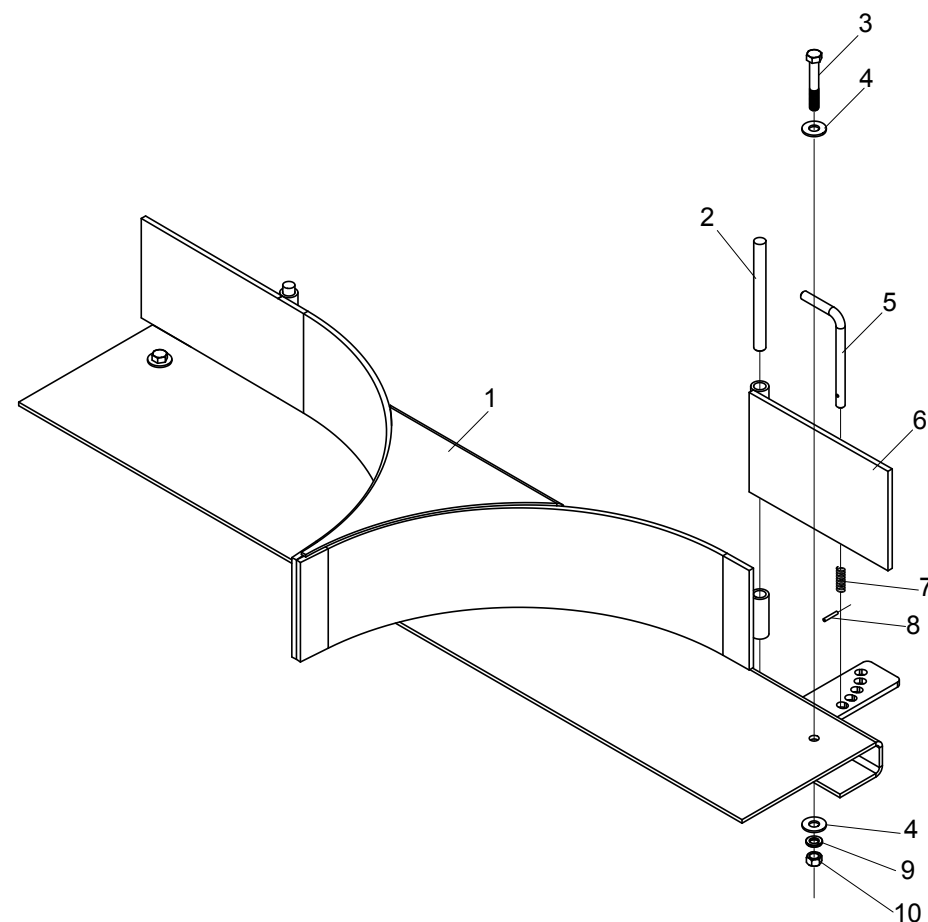


Single Conveyor Option

Ref#	Description	Part#	Qty
1	5/16" - 18 x 1" Carriage Bolt	000124	2
2	3/8-16 x 2-1/2 Carriage Bolt	000151	10
3	3/8-16 x 1.000 HH Bolt Zinc	000270	4
4	3/8-16 x 1.25 HH Bolt Zinc	000275	8
5	3/8-16 x 2 HH Bolt Zinc	000286	3
6	5/16 Lock Washer	000810	29
7	3/8 Split Lock Washer	000820	25
8	5/16-18 HH Nut Zinc	000910	29
9	3/8-16 Hex Nut zinc	000915	21
10	5/8-11 Hex Nut Zinc	000970	8
11	5/16 USS Flat Washer	001030	2
12	3/8 USS Flat Washer	001035	10
13	SAE Standard Washer	001076	6
14	5/16-18 Nylon Lock Nut	002999	18
15	5/16 x 3/4 HH Bolt, Plated	010005	45
16	Hitch Pin	100292	2
17	12MJ X 10MB Straight Fitting	290001	2
18	3/4" Female Ag Coupling	290019	2
19	12/12/6801	290022	1
20	3/4 Male Coupling	290040	1
21	3/4 Female Coupling	290041	1
22	12/12/6400	290065	3
23	90 Degree Elbow,- #12 MJ X #12 FP	290093	2
24	4 Bolt Flange Bearing, 1.0	700053	2
25	Motor Bracket, Conveyor	800244	1

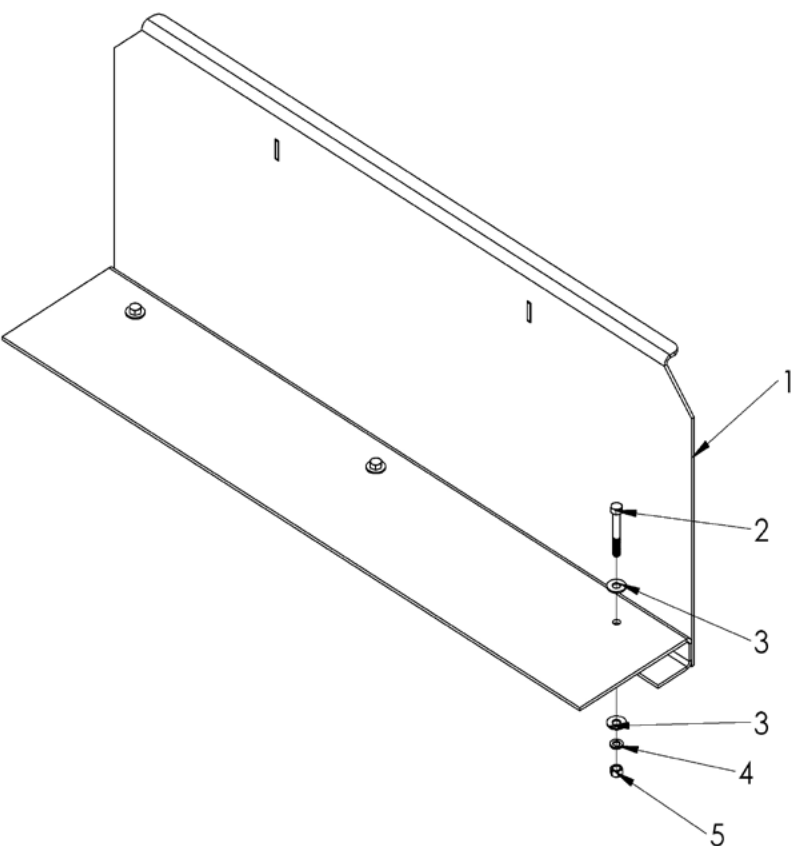
Ref#	Description	Part#	Qty
26	Conveyor Pulley	800520	2
27	Side Conveyor Drive Shaft	800542	1
28	Conveyor Pulley Spacer	800563	2
29	Side Conveyor Idler Shaft	800578	1
30	Conveyor Pulley Spacer	800994	2
31	1 Inch Take Up Bearing	806106	2
32	5/8-11 All Thread	806139	2
33	101-1011 Motor	890164	1
34	Cross Conveyor Extension Side	890172	1
35	Skirtboard strip	890396	2
36	Skirtboard polyurethane	890398	2
37	Holddown Strip	890399	2
38	12" X 154" Cleated Belt	890400	1
39	Poly Board	890401	2
40	Motor Spool Valve	890403	1
41	1" Shaft Coupling, Split	890586	1
42	Cross Conveyor Weldment	890591	1
43	41" HOSE (12FJX45 x 12MP)	890943	1
44	26" HOSE (12FJX45 x 12MP)	890944	1
45	29" HOSE (12FJS x 12FJX90S)	890945	1
46	21" HOSE (12FJS x 12FJX90S)	890946	1
47	29" HOSE (12FJX45 x 12FJX)	890947	1
48	27" HOSE (12FJX90 x 12FJX)	890948	1
49	.25 x 1.5 Key	902017	2

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

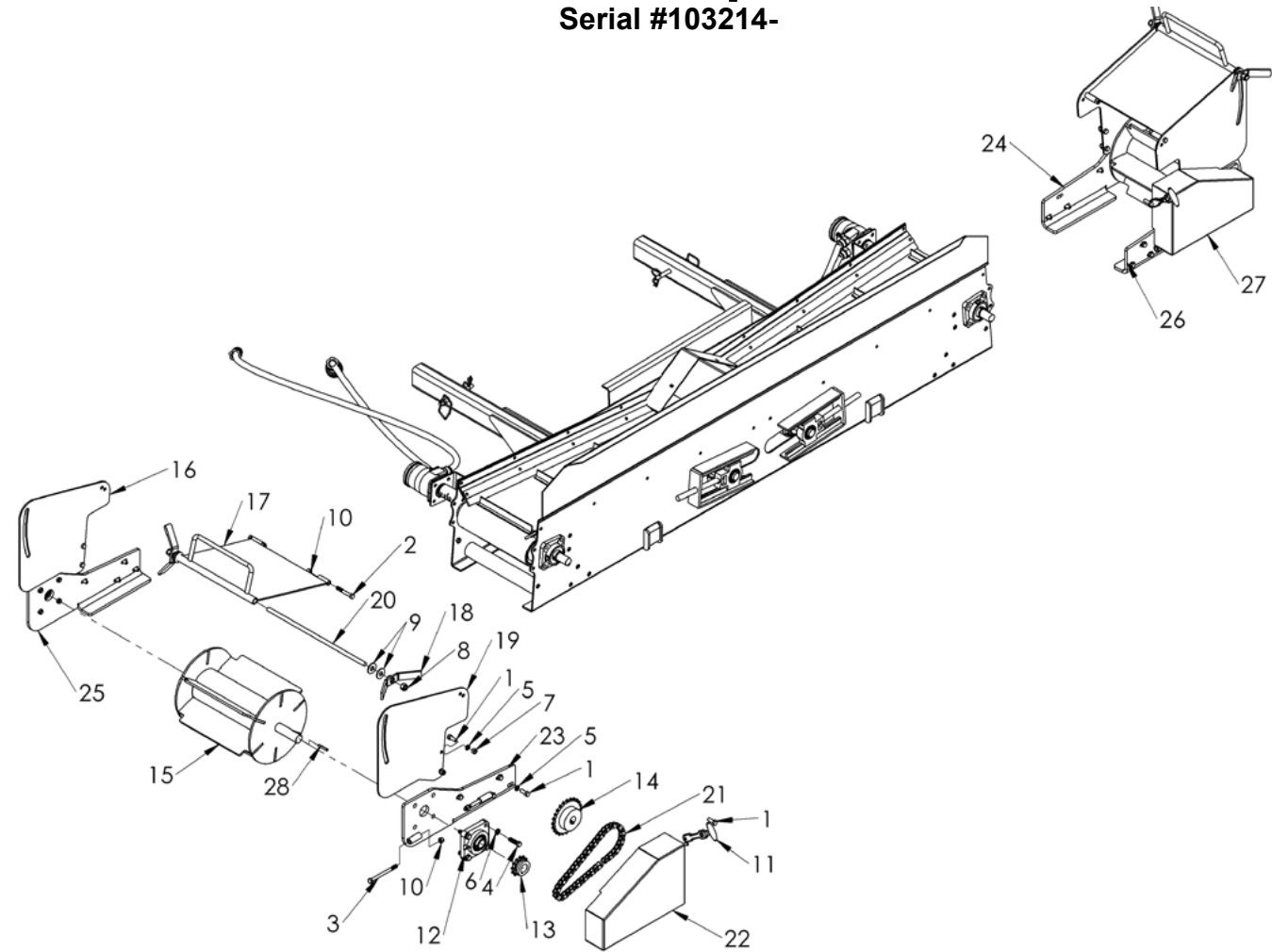
Deflector Option (Tall)



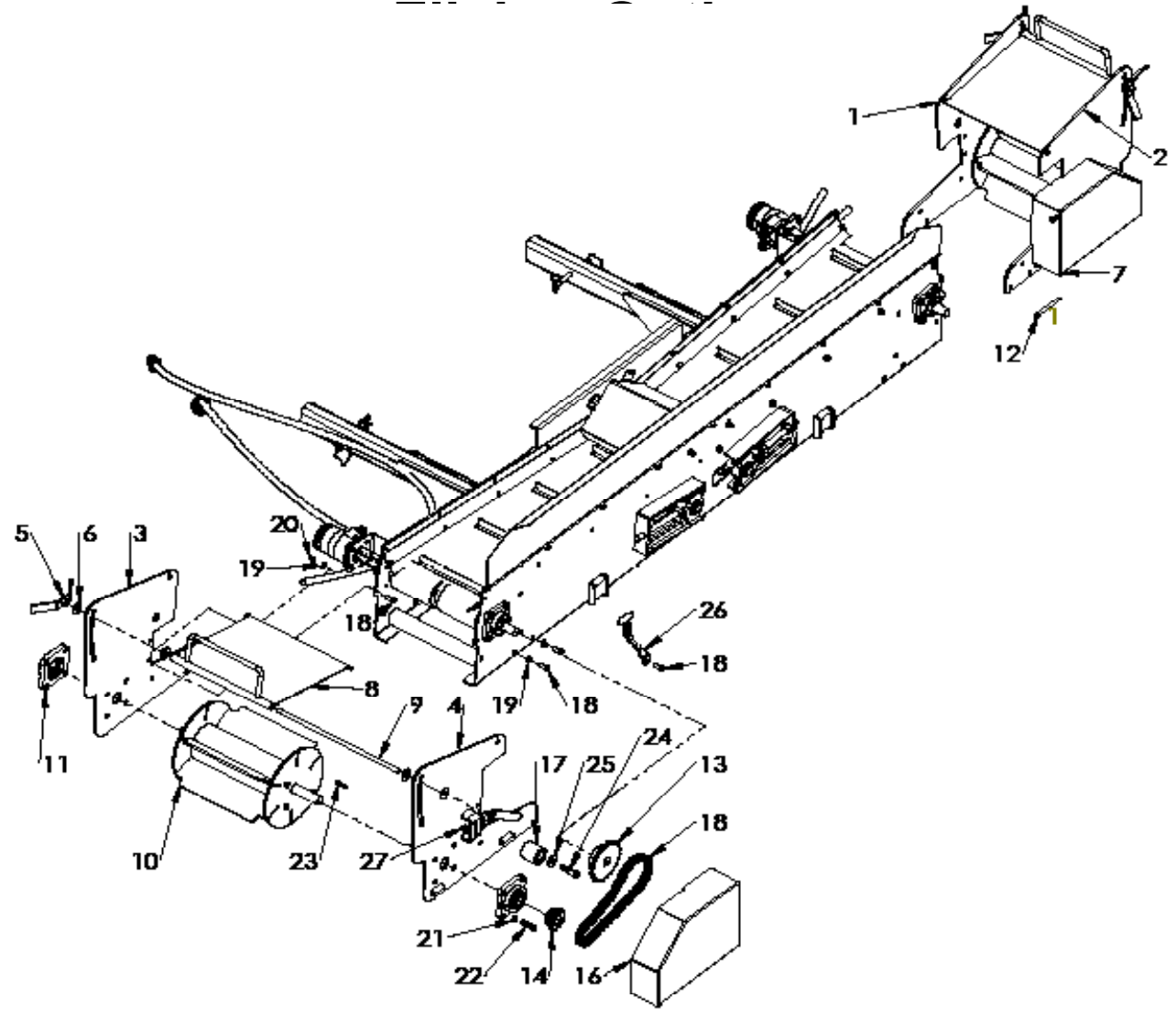
Ref#	Description	Part#	Qty
1	Spinner Deflector Weldment, 16" Tall	890535	1
2	3/8-16 x 2-1/2 Hex Head Bolt	000300	3
3	3/8 USS Flat Washer	001035	6
4	3/8 Lock Washer	000820	3
5	3/8-16 Hex Nut	000915	3

Flicker Option

Serial #103214-

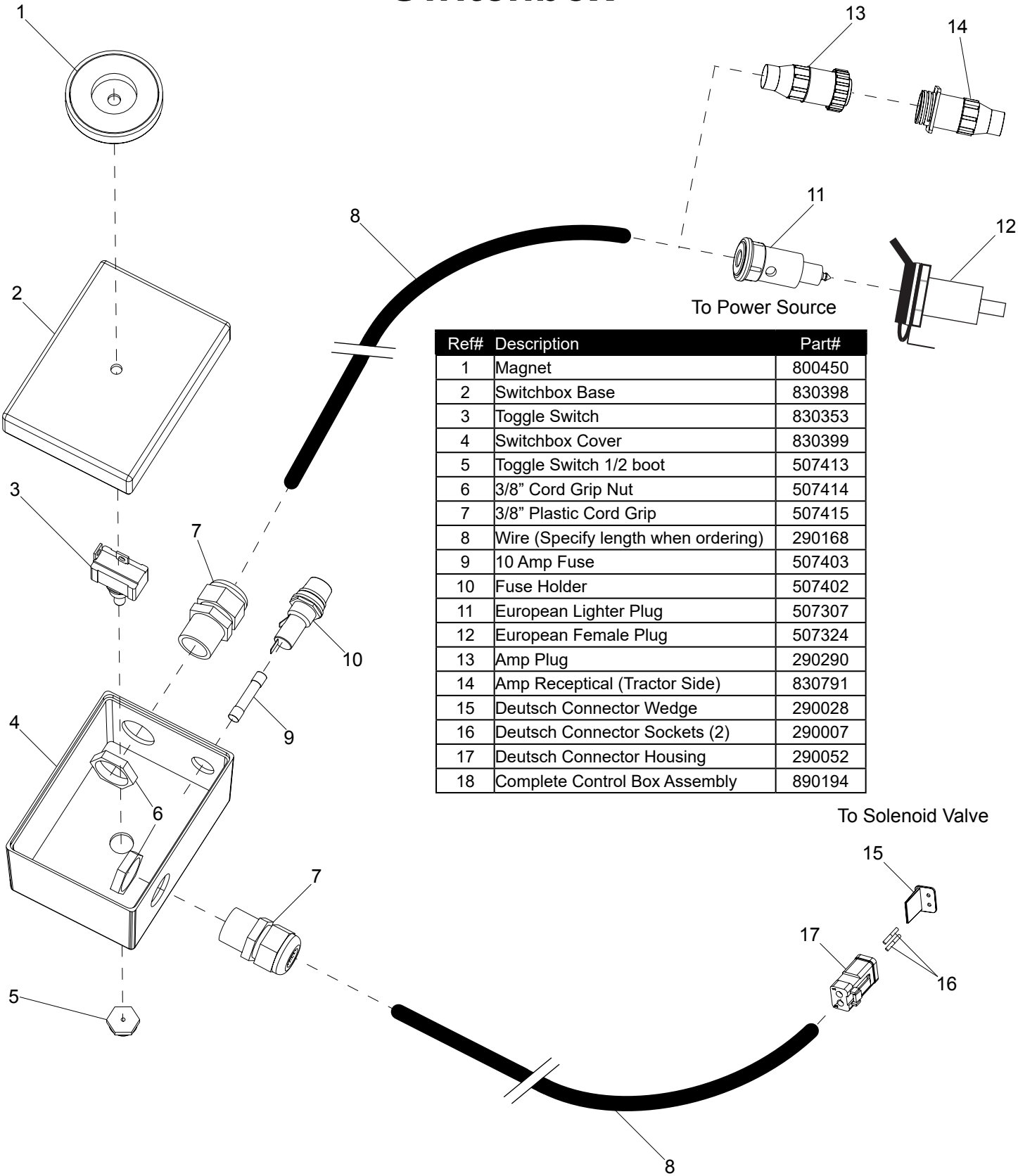


Ref#	Description	Part#	Qty	Ref#	Description	Part#	Qty
1	3/8-16 x 1.000 HH Bolt Zinc	270	24	15	Flicker Weldment	890254	2
2	3/8 x 2 1/2 Hex Head Bolt	300	4	16	Flicker Side	890265	2
3	3/8-16 x 4-1/2 Hex Head Bolt	325	2	17	Flicker Deflector Weldment	890268	2
4	7/16-14 x 1-1/2 HH Bolt,	360	16	18	Tightner Handle	890272	4
5	3/8 Split Lock Washer	820	22	19	Flicker Side Panel	890274	2
6	7/16 Split Lock Washer	830	16	20	1/2-13 THREADED ROD	890287	2
7	3/8-16 Hex Nut zinc	915	8	21	#50 Roller CHAIN	890290	2
8	1/2-13 Nylon Lock Nut	950	4	22	FLICKER SHEILD, HINGED, LH	890564	1
9	1/2 USS Flat Washer, Plated	1055	8	23	Flicker Mount Weldment	890567	1
10	3/8-16 Nylon Lock Nut	3000	6	24	Flicker Mount Weldment, RH	890568	1
11	Rubber Handle	400092	2	25	Flicker Bracket Weldment, LH	890569	1
12	1-1/8" 4 Hole Flange Bearing	400104	4	26	Flicker Bracket Weldment, Hinged, RH	890570	1
13	FLICKER DRIVE SPROCKET	830665	2	27	FLICKER SHEILD, HINGED, RH	890576	1
14	FLICKER SPROCKET	830666	2	28	.25 x 1" Key	400114	4

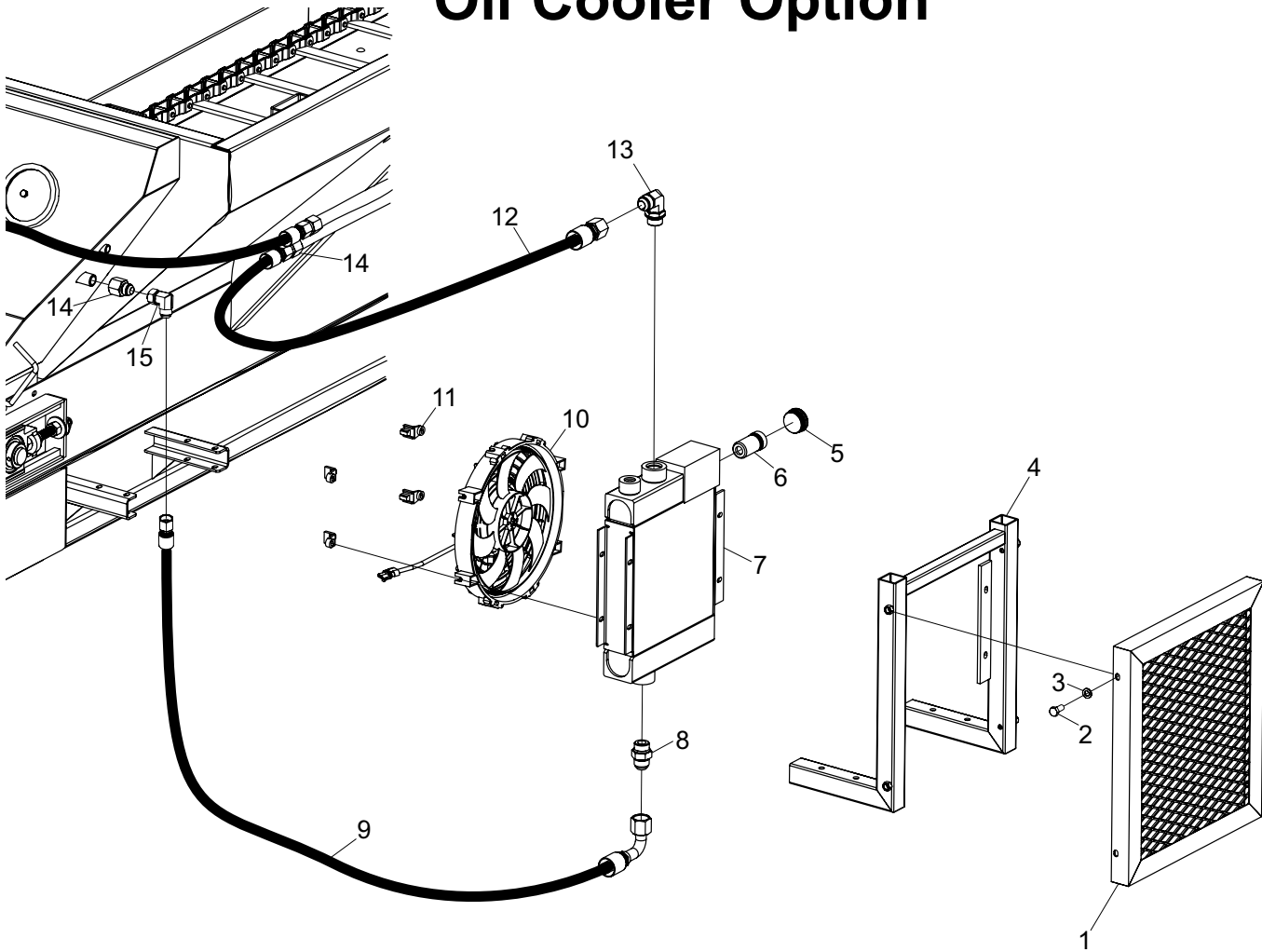


Ref#	Description	Part#	Qty	Ref#	Description	Part#	Qty
1	Flicker Side 1	890471	1	15	#50 Roller Chain	890290	2
2	Flicker Side 2	890470	1	16	Flicker Shield Hinged LH Side	890476	1
3	Flicker Side 3	890475	1	17	Chain Tensioner	890466	2
4	Flicker Side 4	890474	1	18	3/8-16 X 1 HH Bolt Zinc	000270	16
5	Tightener Handle	890272	4	19	3/8 Split Lock Washer	000820	16
6	1/2 USS Flat Washer Plated	1055	8	20	3/8-16 Hex Nut Zinc	000915	8
7	Flicker Shield Hinger RH Side	890473	1	21	7/16 Split Lock Washer	000830	16
8	Flicker Deflector Weldment	890472	2	22	7/16-14 X 1 1/2 HH Bolt Zinc	000360	16
9	1/2-13 Threaded Rod	890287	2	23	.25 X 1" Key	400114	4
10	Flicker Weldment	890254	2	24	1/2-13 X 2 1/4 HH Bolt Zinc	000455	2
11	1-1/8" 4 Hole Flange Bearing	400104	4	25	7/16 USS Flat Washer	001045	2
12	Hinge Pin	401523	4	26	Rubber Handle	400092	2
13	Flicker Sprocket	830666	2	27	1/2-13 Nylon Jam Nut	000752	2
14	Flicker Drive Sprocket	830665	2				

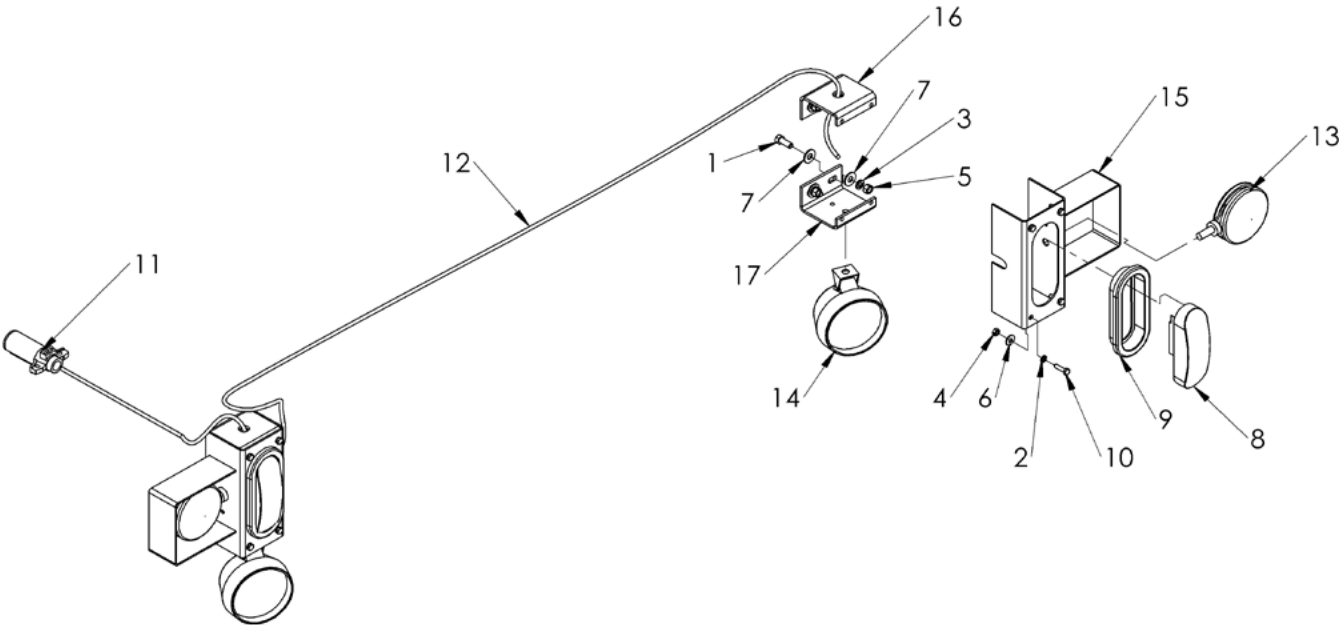
Switchbox



Oil Cooler Option

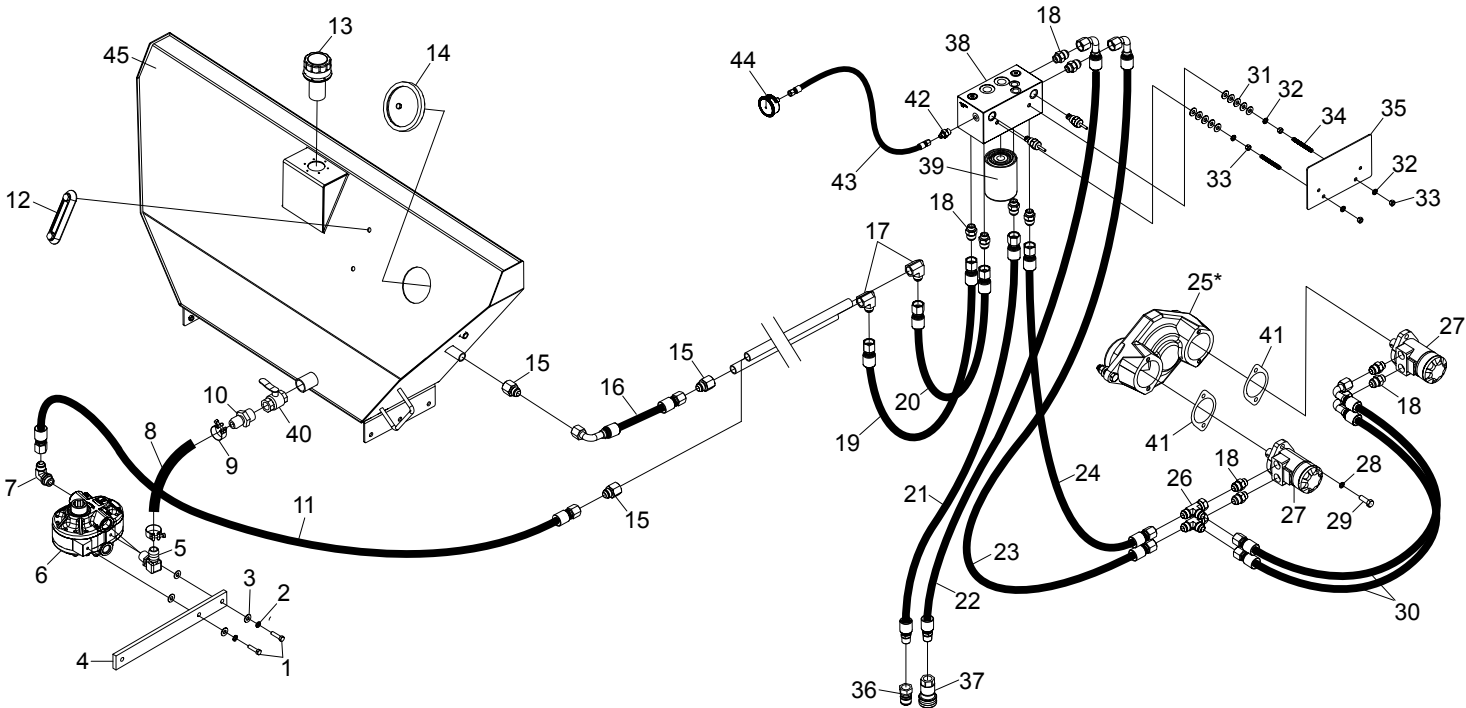


Light Package Option



Ref#	Description	Part#	Qty
1	3/8-16 x 1.000 HH Bolt Zinc	270	8
2	1/4 Split Lock Washer	805	8
3	3/8 Split Lock Washer	820	8
4	1/4-20 Hex Nut Zinc	900	8
5	3/8-16 Hex Nut zinc	915	8
6	1/4 USS Flat Washer	1020	8
7	3/8 USS Flat Washer	1035	16
8	6" Oval Tail Light	100139	2
9	6" Oval Tail Light Grommet	100140	2
10	1/4-20 x 1 HH Bolt, Gr5	100148	8
11	Cole Hersee Plug	100447	1
12	(V12) Trailer Cable, 6 Contact 14 GA	290253	1
13	Light, Pedestal Mount Dual Face	507164	2
14	Flood Light	507176	2
15	Light Box Weldment	702506	2
16	Light Bracket Mount, top	890523	2
17	Light Bracket Mount, BOTTOM	890524	2

Hydraulics



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	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