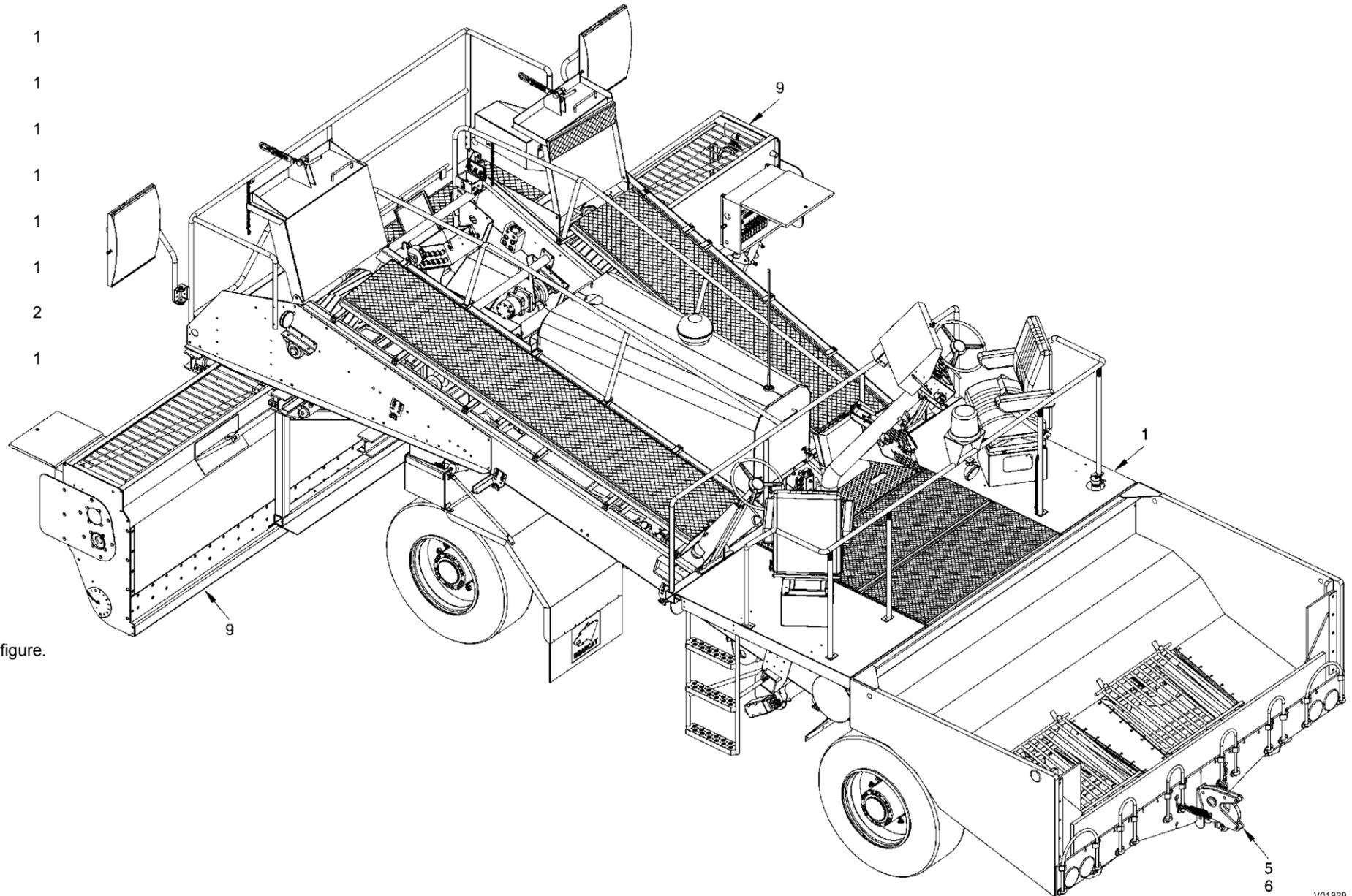
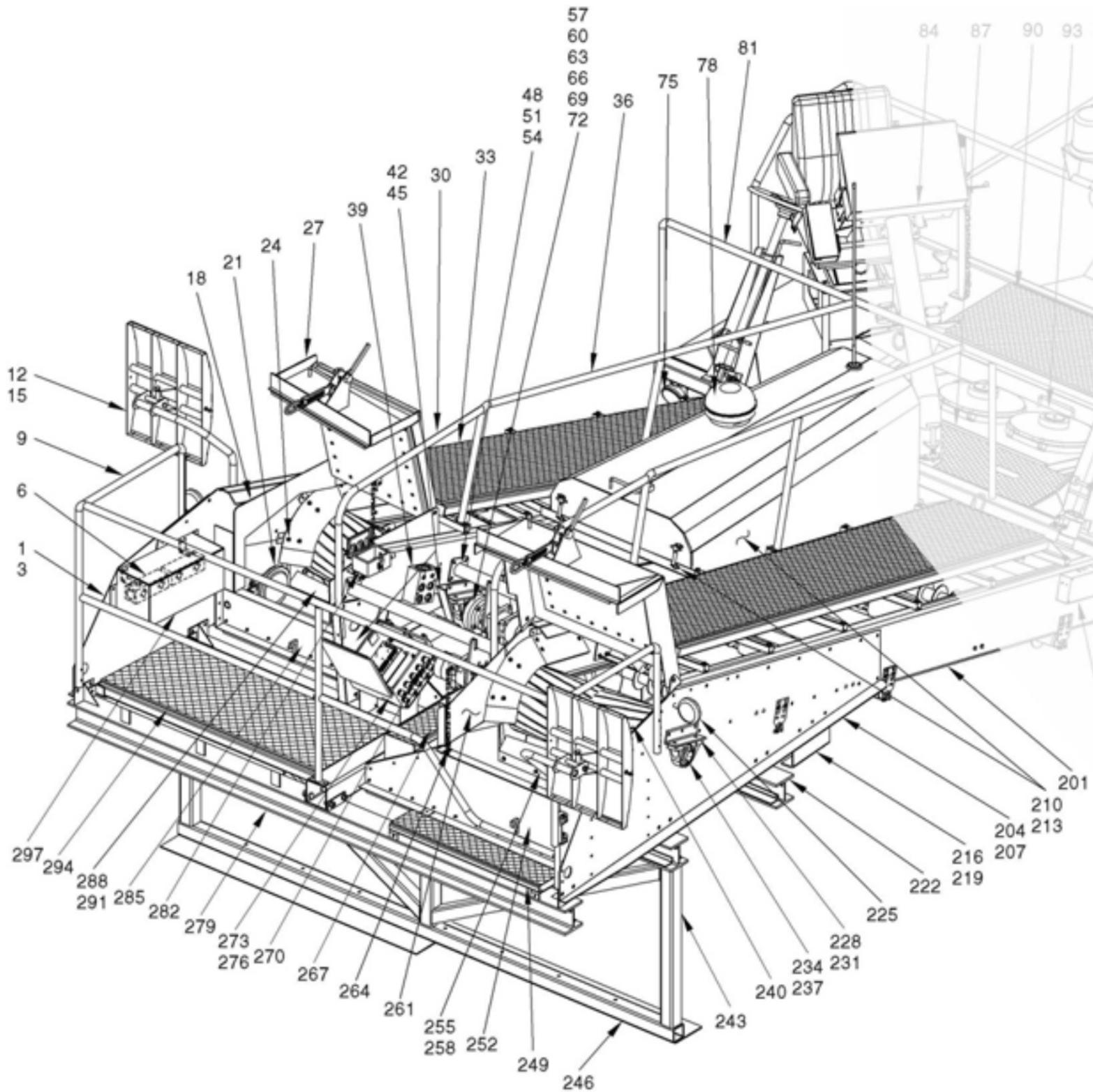


2000 - 2004

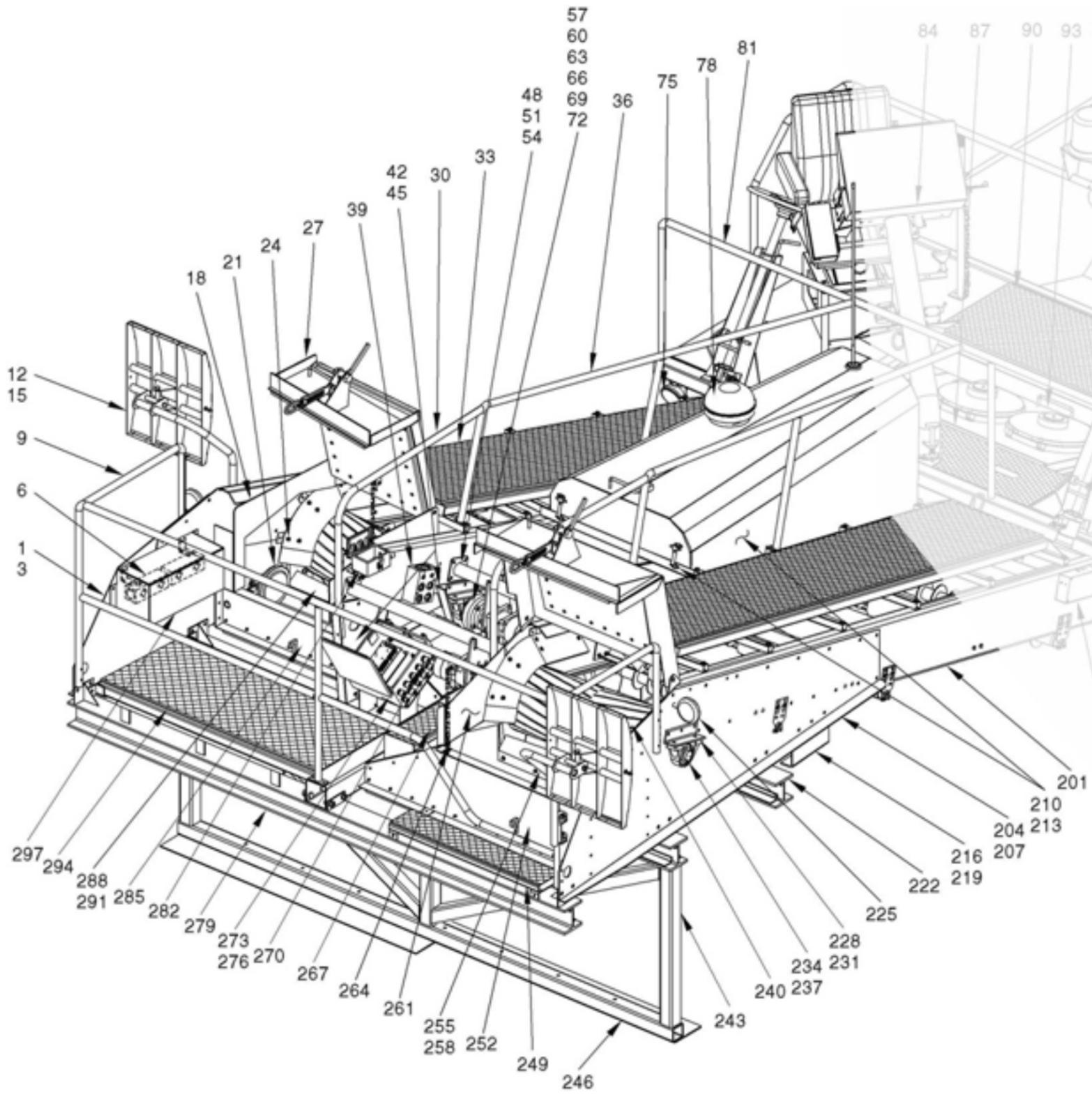
Item	Description	Part No.	Qty
	Chip Spreader, Tandem (Complete)	BC-2002	RF
1	Tandem Chip Spreader Assembly BC-2002 (See Figure 7-2 for Details)		1
-2	Engine/Hydrostatic Installation (See Figure 7-3 for Details)		1
-3	Drivelines (See Figure 7-4 for Details)		1
-4	Spherical Bearing (See Figure 7-8 for Details)		1
5	Hitch Assembly (See Figure 7-17 for Details)		1
6	Hitch Lift (See Figure 7-18 for Details)		1
-7	Hitch Manifold W/Out Lift Option (See Figure 7-19 for Details)		1
-8	Hitch Manifold W/Lift Option (See Figure 7-20 for Details)		1
9	Chip Box, Tandem (See Figure 7-21 for Details)		2
-10	Chip Box Extension (See Figure 7-25 for Details)		1



NOTE: A dash (-) before the item number indicates the item is not illustrated on that figure.

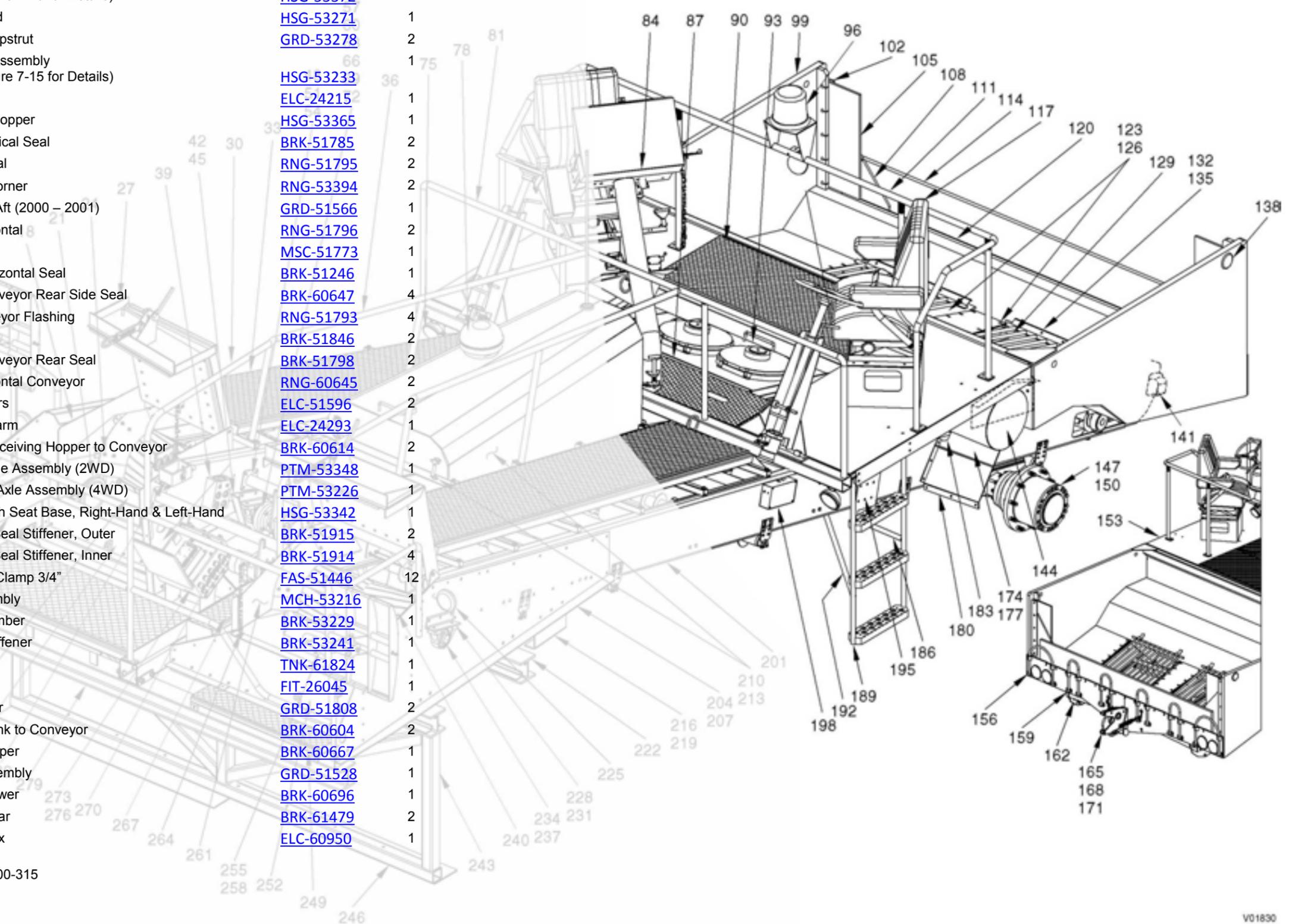


Item	Description	Part No.	Qty
	Tandem Chip Spreader Assembly BC-2002		RF
1	Support Panel, Right-Hand	BRK-53083	1
3	Hex Bolt 1/2" – 13 X 1 1/4"		AR
	Lock-Washer 1/2"		AR
	Nut Hex 1/2" – 13		AR
6	Manifold	MSC-53280	2
9	Hand Rail, Front (2000 – 2001)	RNG-53307	1
12	Mirror	GRD-61050	2
15	Mirror Base	BRK-61051	2
18	Panel	BRK-53299	1
21	Limit Switch Assembly	MTR-53202	2
24	Seal	RNG-53320	4
27	Door Assembly Left-Hand	HSG-53294	1
	Door Assembly Right-Hand	HSG-53300	1
30	Guard Rail, Front Inside (2000 – 2001)	GRD-53317	2
33	Conveyor Assembly, Right-Hand (See Figure 7-12 for Details)	HSG-53150	1
36	Guard Rail, Conveyor (2000 – 2001)	GRD-61701	2
39	Manifold, Auger / Belt	MSC-53376	1
42	Stiffener	BRK-53257	1
45	Stiffener	BRK-53260	3
48	Cross Member Aft	BRK-53099	1
51	Cross Member Forward	BRK-53100	1
54	Hex Bolt 3/8" – 16 X 1 1/4"		16
	Lock-Washer 3/8"		16
	Nut Hex 3/8" – 16		16
57	Coupling, Female	PTM-60663	1
60	Coupling, Male	PTM-60664	1
63	Taper Lock 1 1/2"	PTM-60666	1
66	Taper Lock 1 15/16"	PTM-60665	1
69	Mounting Plate	BRK-51536	1
72	Belt Motor Assembly	PTM-51619	2
75	Working Light	ELC-51585	3
78	Air Intake Precleaner	FTR-51855	1
81	Tube/Steering Assembly (2000 – 2001) (See Figure 7-13 for Details)		1
82-198			
199 -299			
300-315			



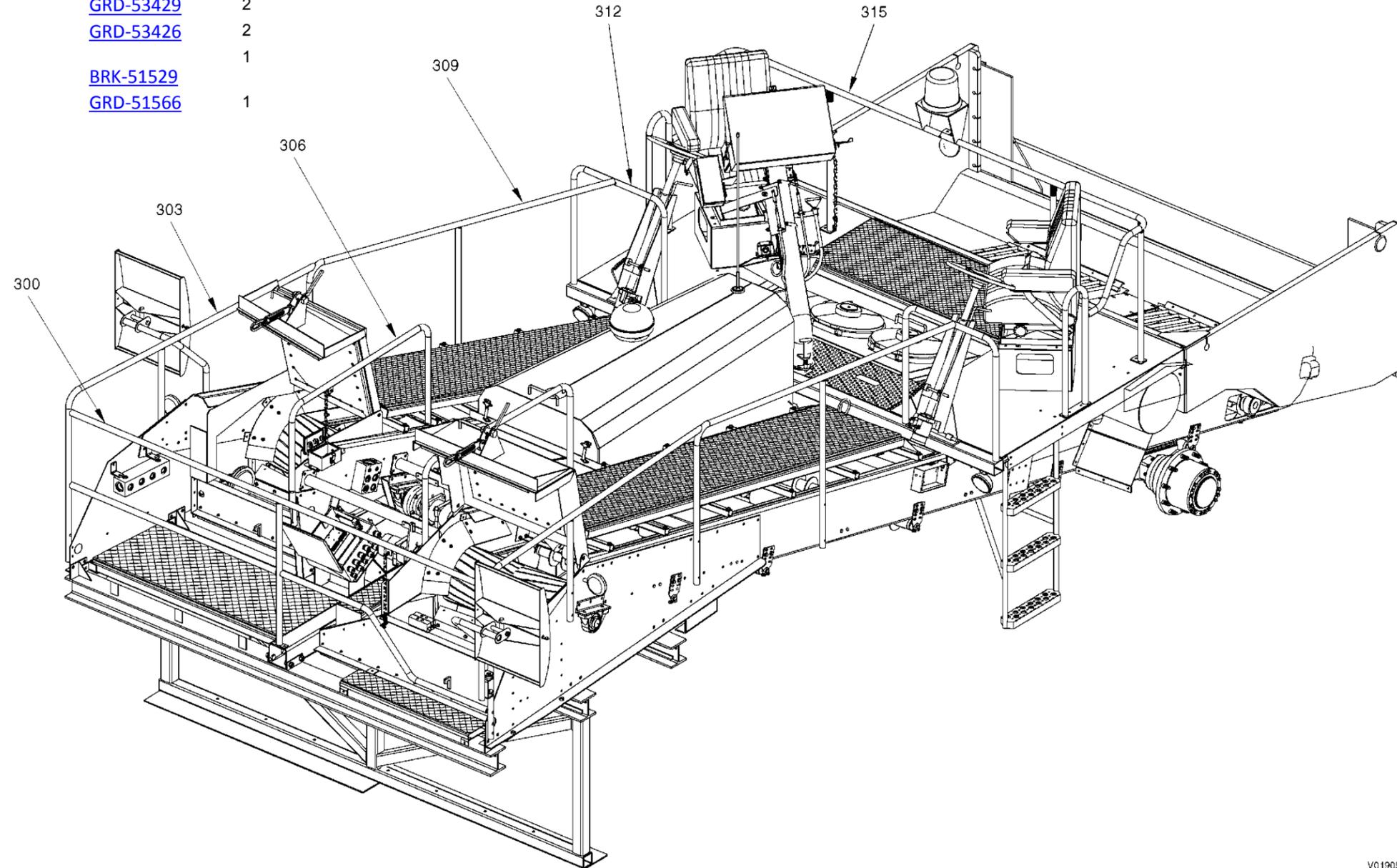
Item	Description	Part No.	Qty
201	Conveyor Assembly, Left-Hand (See Figure 7-11 for Details)	BRK-53083	1
204	Support Panel, Left-Hand		1
207	Hex Bolt 1/2" – 13 X 1 1/4"		AR
	Lock-Washer 1/2"		AR
	Nut Hex 1/2" – 13	MSC-53280	AR
210	Hood	HSG-53149	1
213	Brackets	BRK-53081	AR
216	Bracket, Outer Conveyor Rail to Hydraulic Tank		2
219	Bracket, Inner Conveyor Rail to Hydraulic Tank		2
222	Track Support, Aft		1
225	Light, Turn	HSG-61708	1
228	Bracket, Bearing Mount	BRK-61696	4
231	Hex Bolt 3/8" – 16 X 1 1/4"	BRK-53355	12
	Lock-Washer 3/8"	BRK-51425	12
	Nut Hex 3/8" – 16	BRK-53366	12
234	Pillow Block, Bearing	ELC-51587	4
237	Hex Bolt 5/8" – 11 X 1 1/4"	BRK-51416	8
	Lock-Washer 5/8"		8
	Nut Hex 5/8" – 11		8
240	Head Pulley Assembly		2
243	Track Support	PTM-51415	1
246	Baffle		2
249	Cat Walk		1
252	Rock Box Panel Left-Hand, Front		1
255	Rock Box Panel Left-Hand, Rear	PTM-61404	1
258	Seal Wiper	BRK-53087	1
261	Panel, Right-Hand Side, Left-Hand Conveyor	BRK-53090	1
264	Chain Assembly, Mirror	GRD-53311	1
267	Rock Box End Panel, Left-Hand	HSG-53291	1
270	Rock Box End Panel, Right-Hand	HSG-53292	1
273	Slave Box Assembly	RNG-53395	1
276	Bracket	HSG-53295	2
279	Track Support, Front	FAS-61052	1
282	Remote Box Assembly	HSG-53293	1
285	Rock Box Panel Right-Hand, Front	HSG-53298	1
288	Rock Box Panel Right-Hand, Rear	HSG-53143	1
291	Seal Wiper	BRK-53353	1
294	Cat Walk	BRK-53341	1
297	Guard	HSG-53331	1

Item	Description	Part No.	Qty
84	Pedestal and Control Box Assembly (See Figure 7-16 for Details)	HSG-53372	1
87	Platform Mid	HSG-53271	1
90	Platform Gripstrut	GRD-53278	2
93	Oil Cooler Assembly (See Figure 7-15 for Details)	HSG-53233	1
96	Beacon	ELC-24215	1
99	Receiving Hopper	HSG-53365	1
102	Clamp, Vertical Seal	BRK-51785	2
105	Seal, Vertical	RNG-51795	2
108	Seal, 45° Corner	RNG-53394	2
111	Hand Rail, Aft (2000 – 2001)	GRD-51566	1
114	Seal, Horizontal	RNG-51796	2
117	Seat	MSC-51773	1
120	Clamp, Horizontal Seal	BRK-51246	1
123	Clamp, Conveyor Rear Side Seal	BRK-60647	4
126	Seal, Conveyor Flashing	RNG-51793	4
129	Grizzly	BRK-51846	2
132	Clamp, Conveyor Rear Seal	BRK-51798	2
135	Seal, Horizontal Conveyor	RNG-60645	2
138	Light Markers	ELC-51596	2
141	Back-Up Alarm	ELC-24293	1
144	Support, Receiving Hopper to Conveyor	BRK-60614	2
147	Modified Axle Assembly (2WD)	PTM-53348	1
150	Rear Drive Axle Assembly (4WD)	PTM-53226	1
153	Platform with Seat Base, Right-Hand & Left-Hand	HSG-53342	1
156	Horizontal Seal Stiffener, Outer	BRK-51915	2
159	Horizontal Seal Stiffener, Inner	BRK-51914	4
162	Wire Rope Clamp 3/4"	FAS-51446	12
165	Hitch Assembly	MCH-53216	1
168	Hitch X-Member	BRK-53229	1
171	Channel Stiffener	BRK-53241	1
174	Diesel Tank	TNK-61824	1
177	Cap	FIT-26045	1
180	Rear Fender	GRD-51808	2
183	Bracket, Tank to Conveyor	BRK-60604	2
186	Support, Upper	BRK-60667	1
189	Ladder Assembly	GRD-51528	1
192	Support, Lower	BRK-60696	1
195	Bracket, Rear	BRK-61479	2
198	Junction Box	ELC-60950	1
1-81	199-299 300-315		

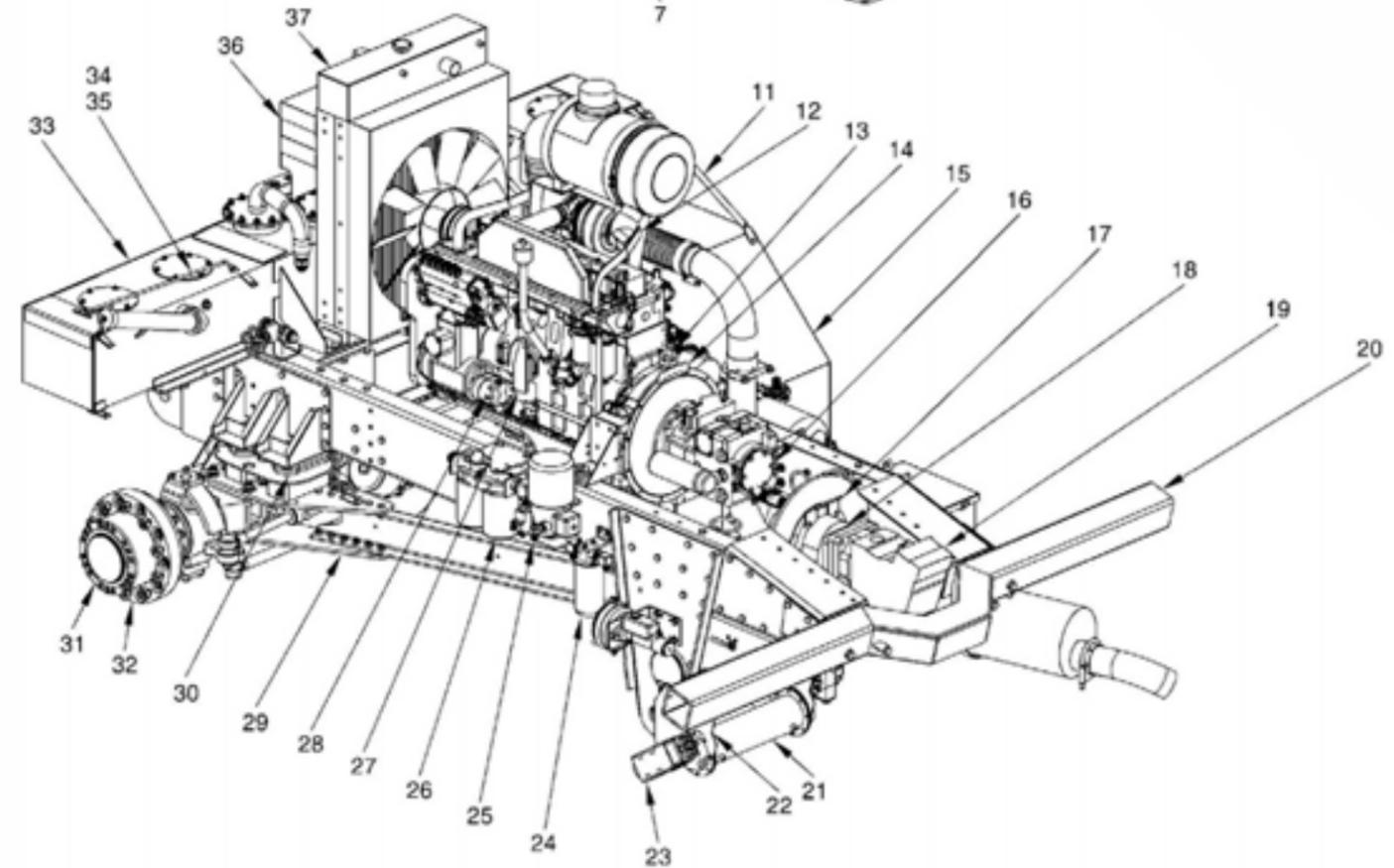
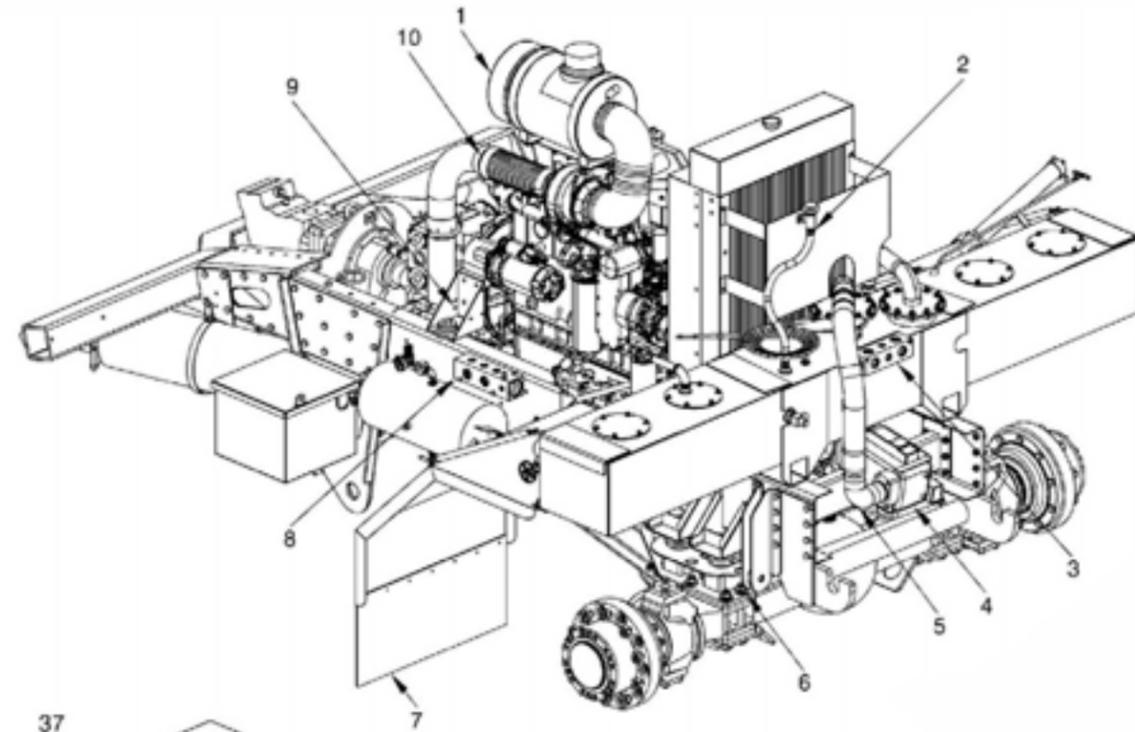


Item	Description	Part No.	Qty
300	Hand Rail, Front (2002)	RNG-53424	1
303	Hand Rail, Front/Side (2002)	RNG-53425	2
306	Guard Rail, Front Inside (2002)	GRD-53429	2
309	Guard Rail, Conveyor (2002)	GRD-53426	2
312	Tube/Steering Assembly (2002) (See Figure 7-13 for Details)	BRK-51529	1
315	Hand Rail, Aft (2002)	GRD-51566	1

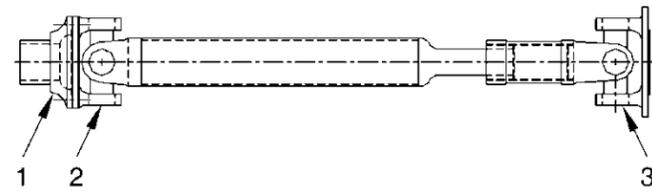
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82-198
199-299



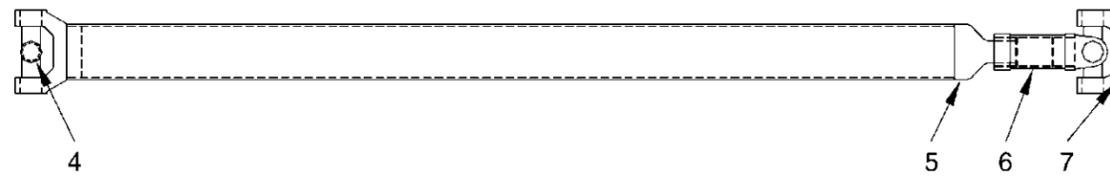
Item	Description	Part No.	Qty.
	Engine/Hydrostatic Installation		RF
1	Cummins 6CT 8.3 (230 HP)	MCH-51849	1
2	Breather Assembly, Hydraulic Tank	FTR-51539	1
3	Manifold, Pressure	MSC-51600	1
4	Pump, Pressure Compensator, Belt Pump	PMP-51618	1
5	Elbow, Compensator Pump	FIT-60616	1
6	Swaybar Assembly	PTM-51459	1
7	Mud Flap	GRD-51815	2
8	Manifold, Return	MSC-53371	1
9	Engine Mount Assembly, Rear	BRK-51460	2
10	Exhaust System (See Figure 7-5 for Details)	MSC-51869	1
11	Fender Strut	BRK-51805	4
12	Bracket, Air Cleaner Support	BRK-51826	1
13	Valve, Shuttle, Sunstrand Pump	VLV-53237	1
14	Bracket, Shuttle Valve, Sunstrand Pump	BRK-53262	1
15	Front Fender	GRD-51806	2
16	Pump, Sunstrand 90R, Hydrostatic Pump	PMP-53230	1
17	Lifting Eye, Transfer Case	BRK-53224	1
18	Transfer Case	PTM-53160	1
19	Motor, Sunstrand 51V, Hydrostatic Motor	PMP-53231	1
20	Frame Assembly (See Figure 7-6 for Details)	HSG-53135	1
21	Heat Exchanger, Transfer Case	PMP-51925	1
22	Bracket, Cooler Mount	BRK-53402	2
23	Radar Assembly (4-WD Option Only)	HSG-53350	1
24	Fuel Filter Assembly, Primary	FTR-60953	1
25	Air Dryer Assembly	FTR-60945	1
26	Filter Head Assembly, Suction	FTR-51731	1
27	Bracket Throttle Cable	BRK-61681	1
28	Pump, Steering	PMP-80016	1
29	Wishbone Assembly (See Figure 7-7 for Details)	HSG-53139	1
30	Timbren	MSC-100130	4
31	Conical Nut	FAS-61487	40
32	Wheel Adapter	BRK-61491	2
33	Hydraulic Tank Assembly	TNK-53158	1
34	Dip Stick 60"	MTR-51862	1
35	Dip Stick Tube	PIP-53303	1
36	Shield, Radiator	GRD-51842	1
37	Radiator	MSC-50814	1



Item	Description	Part No.	Qty.
	Drivelines		RF
1	Companion Flange 2-1-333	PTM-22273	1
2	Flange Yoke 2-2-329	PTM-22251	1
3	Flange Yoke 2-2-479	PTM-22252	1
4	U-Joint 1550 5 – 155x	PTM-51548	2
5	Tube Shaft 4-40-761		1
6	Slip Yoke 4-3-1241KX		1
7	Flange Yoke 4-2-669	PTM-51548	2
8	U-Joint 1550 5 – 155x		2
9	Tube Shaft 4-40-761		1
10	Slip Yoke 4-3-1241KX		1
11	Flange Yoke 4-2-669		2



BELT DRIVE LINE

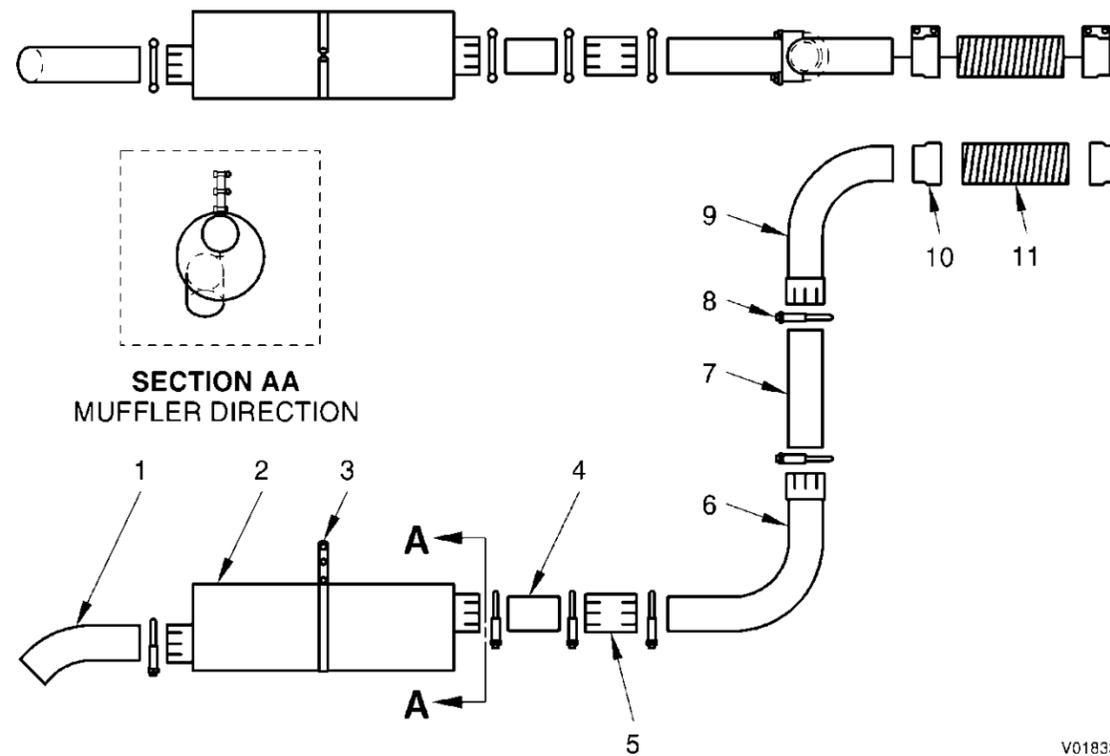


FRONT DRIVE LINE



REAR DRIVE LINE
(4 WHEEL DRIVE)

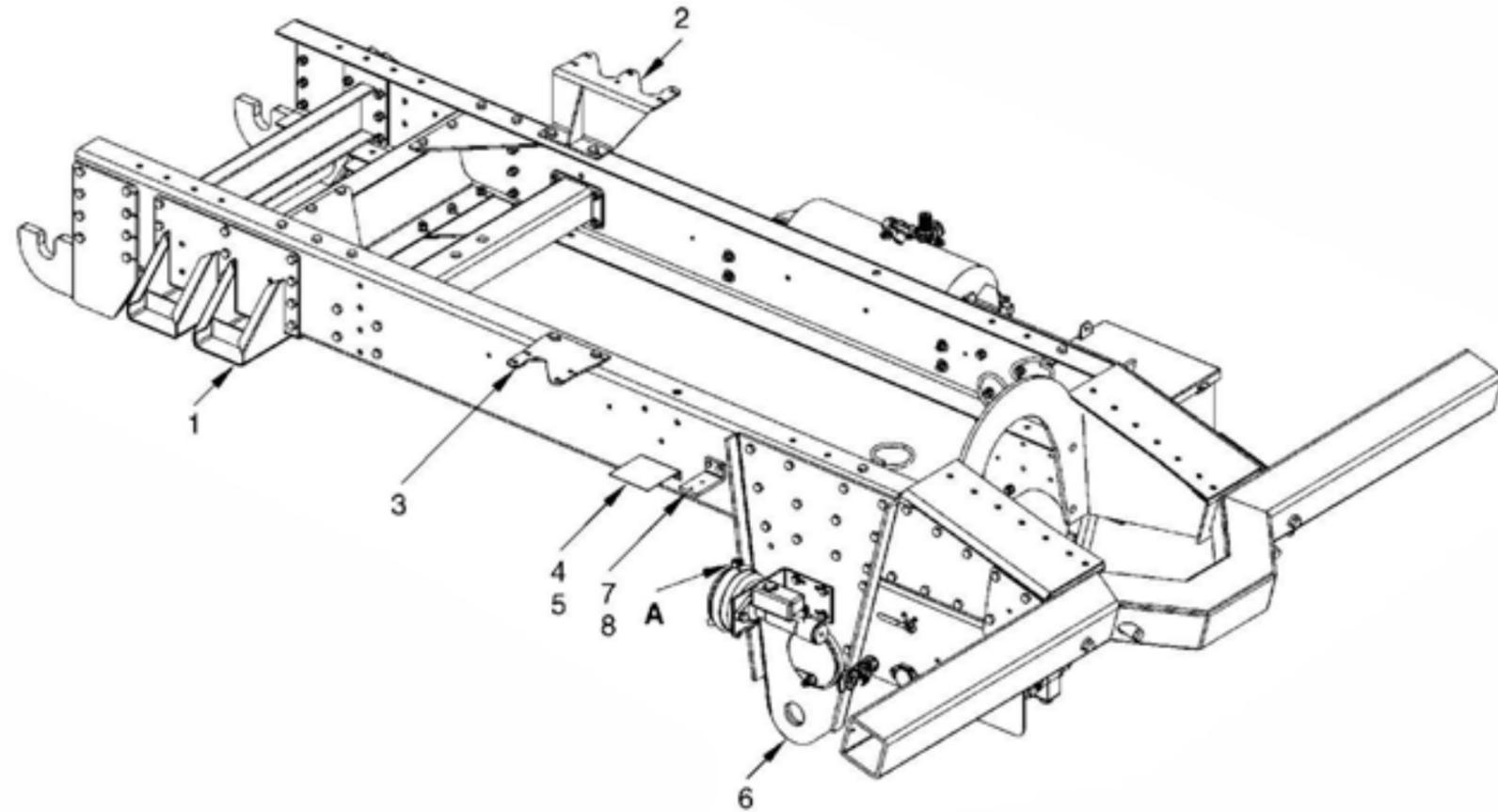
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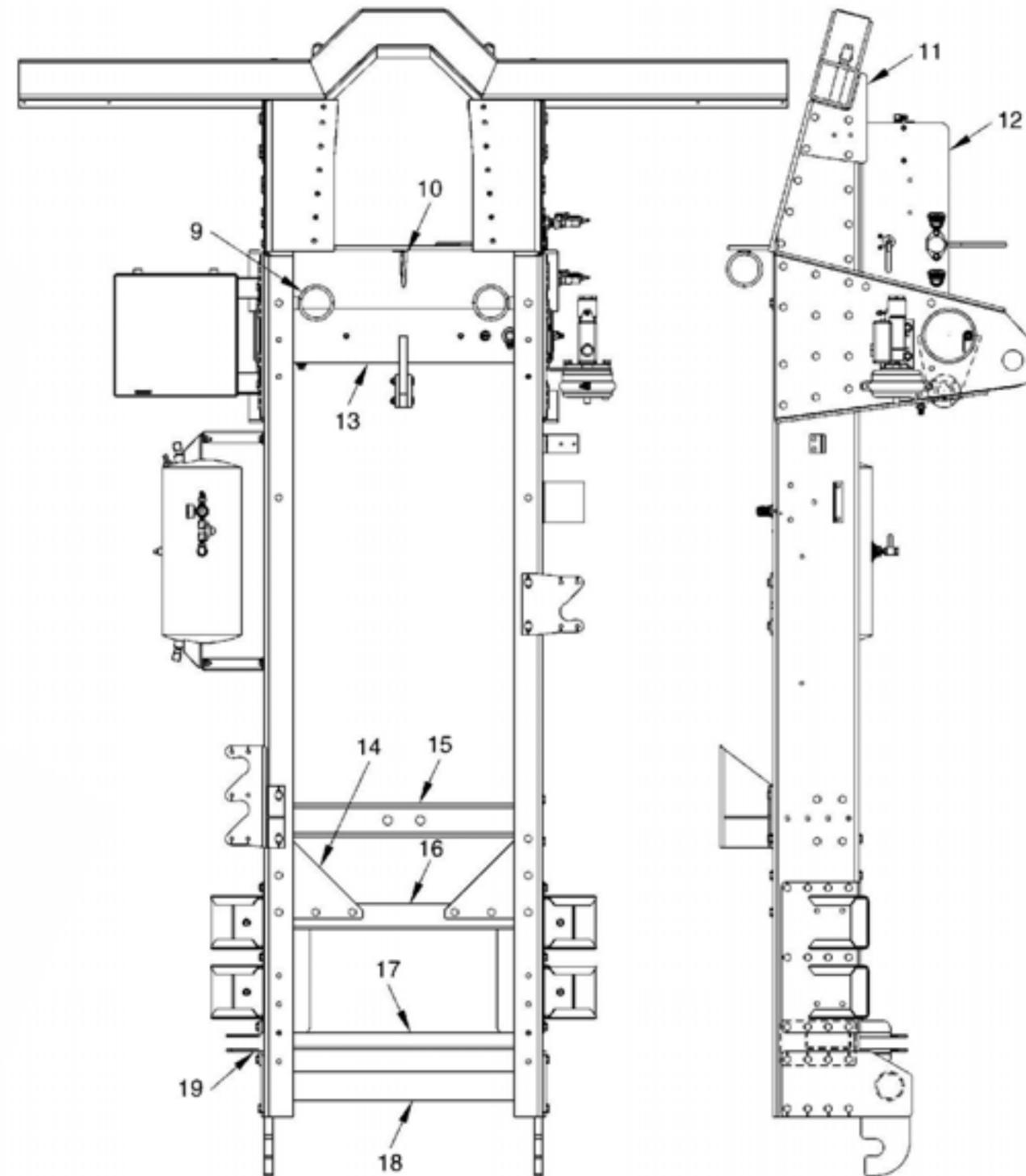
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Item No.	Description	Part No.	Qty.
	Exhaust System		RF
1	Tail Pipe	FIT-51884	1
2	Horizontal Mufflers	MSC-51875	1
3	Muller Hanger	BRK-51877	1
4	Nipple Exhaust (4" X .083" Wall Tube X 6" Long)		1
5	Connector Tube	FIT-51874	1
6	Elbow 18" X 18" 90°	FIT-51873	1
7	Tube 4" X .083" W. Nipple Exhaust	FIT-51885	1
8	Clamp U Guillotine Type	FAS-51872	6
9	Elbow 18" X 18" 90° (6" Cut Off End)	Modified	1
10	Clamp Connector Stainless Steel	FIT-51873	2
11	Tubing Flex 4" X 10 1/2"	FIT-51871	1

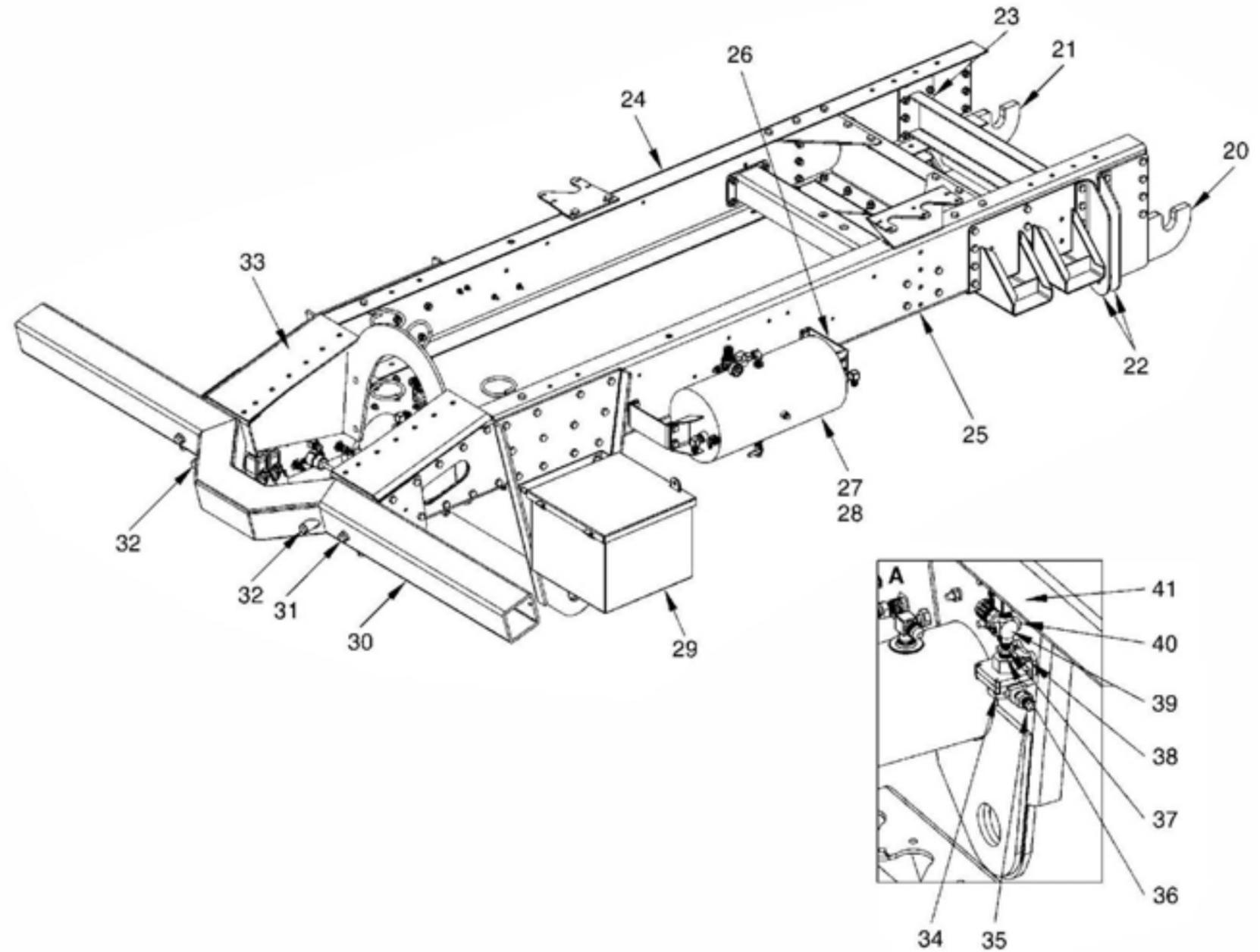
Item	Description	Part No.	Qty.
	Frame Assembly		RF
1	Bracket, Double Timbren Spring	BRK-61468	2
2	Bracket, Triple Return Filter	BRK-51679	1
3	Bracket, Double Intake Filter	BRK-51680	1
4	Baffle Air Dryer	BRK-60948	1
5	Hex Bolt 1/4" – 20 X 1"		2
	Flat Washer 1/4"		2
	Lock-Washer 1/4"		2
	Nut Hex 1/4" – 20		2
6	Right-Hand & Left-Hand Stanchion Plate	BRK-51481	2
7	Bracket, Primary Fuel Filter	BRK-60615	1
8	Hex Bolt 5/16" – 18 X 1 1/4"		2
	Lock-Washer 5/16"		2
	Nut Hex 5/16" – 18		2



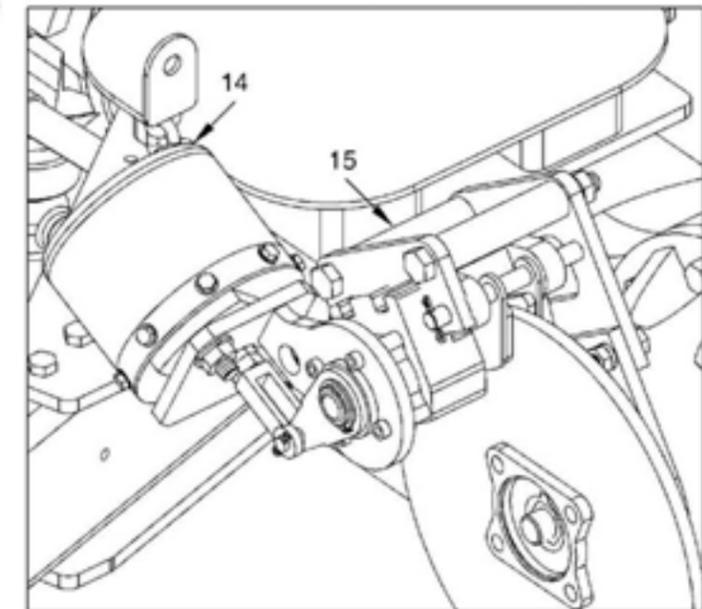
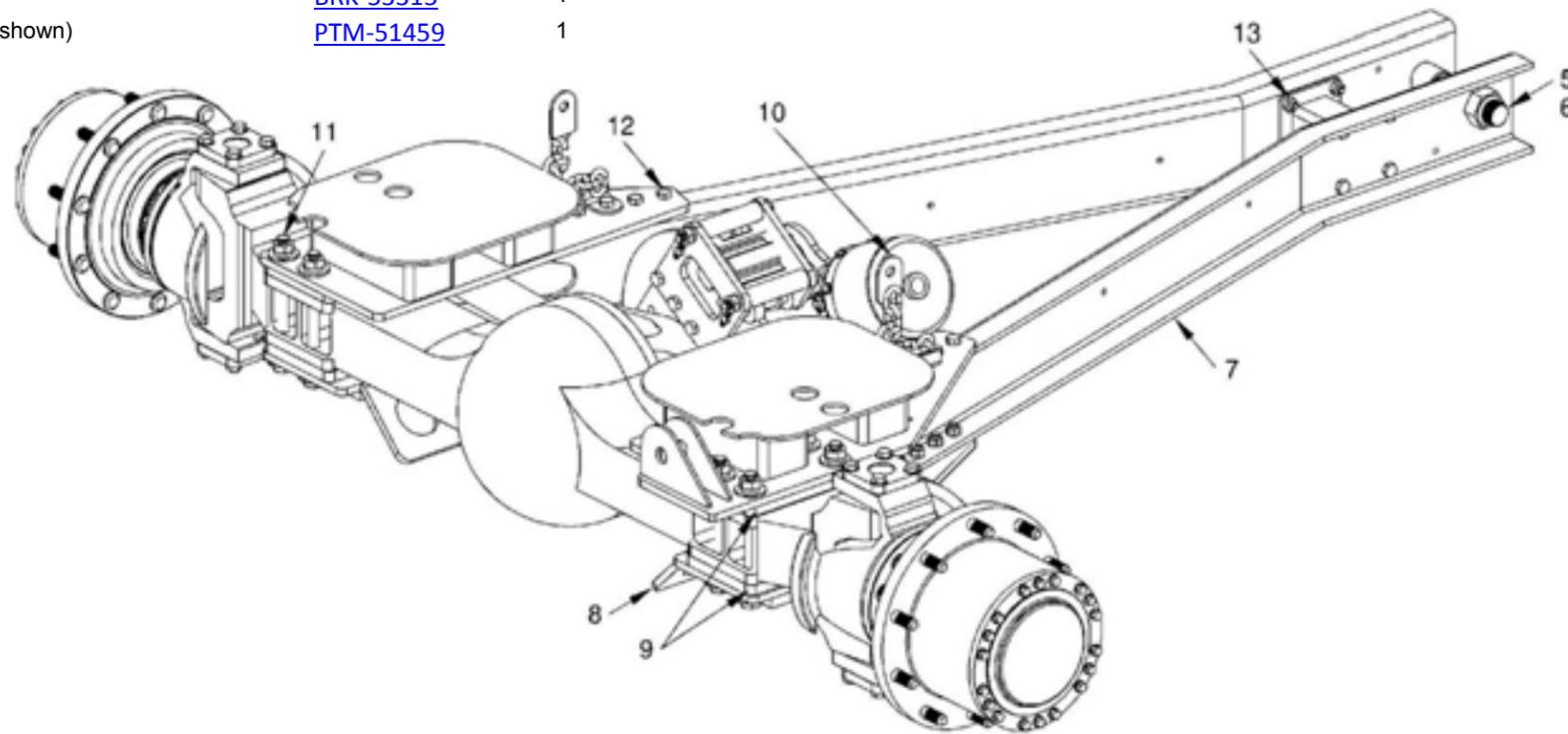
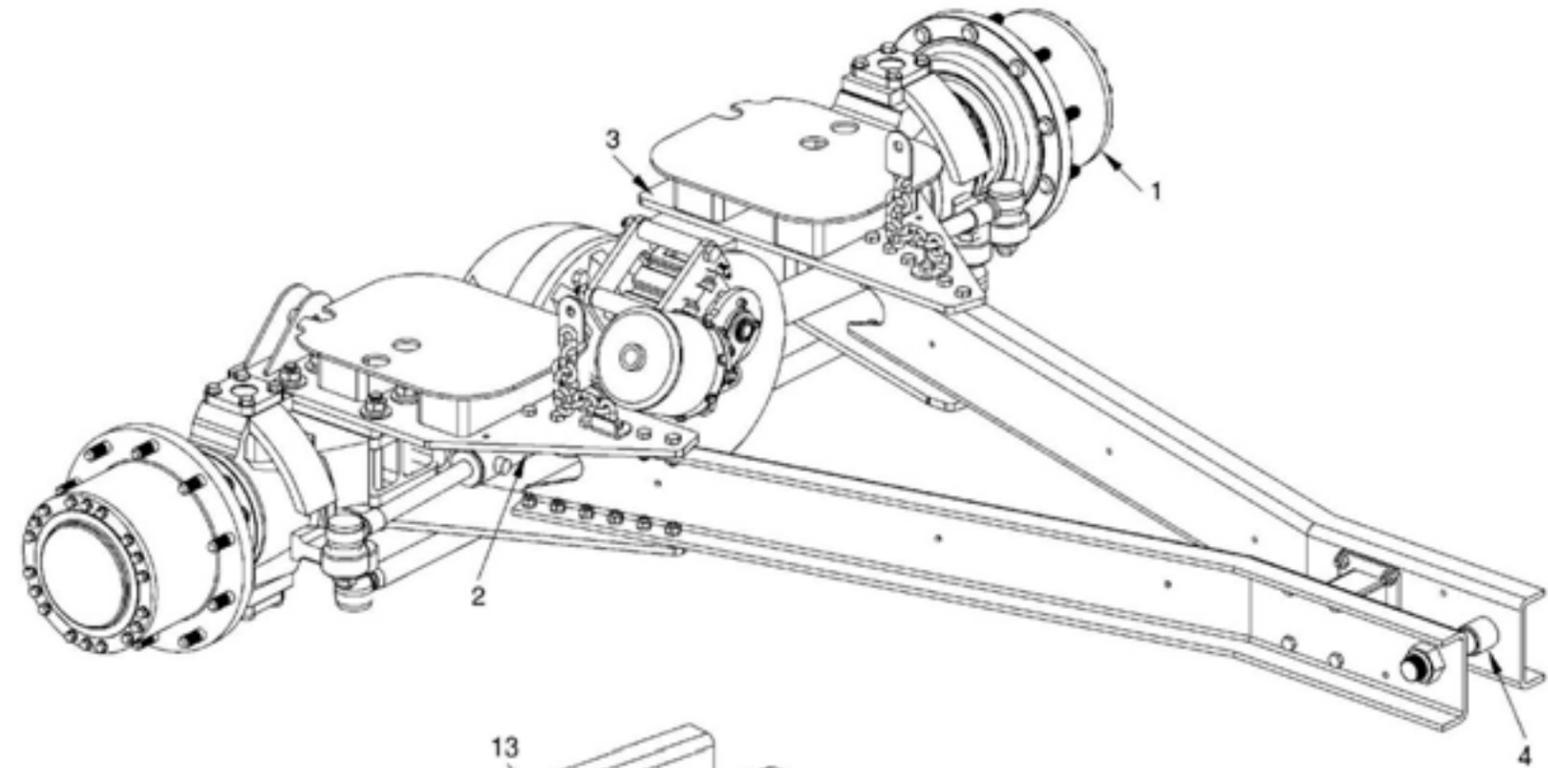
Item	Description	Part No.	Qty.
	Frame Assembly		RF
9	Ring, Rear Frame Hosing	RNG-53343	2
10	Ring, Chaffing 4" I.D.	RNG-26422	1
11	Gusset	BRK-61043	2
12	Panel Assembly, 2-Wheel Drive (See Figure 7-9 for Details)	HSG-61069	1
	Panel Assembly, 4-Wheel Drive (See Figure 7-10 for Details)	BRK-61059	1
13	Stanchion Pipe, Wet Air Tank	HSG-51473	1
14	Gusset	BRK-20235	6
15	Front Engine Mount	HSG-51472	1
16	Channel	HSG-53381	1
17	Channel	BRK-61485	1
18	Support Tube	BRK-60925	1
19	Spacer 3/16"	BRK-61440	1



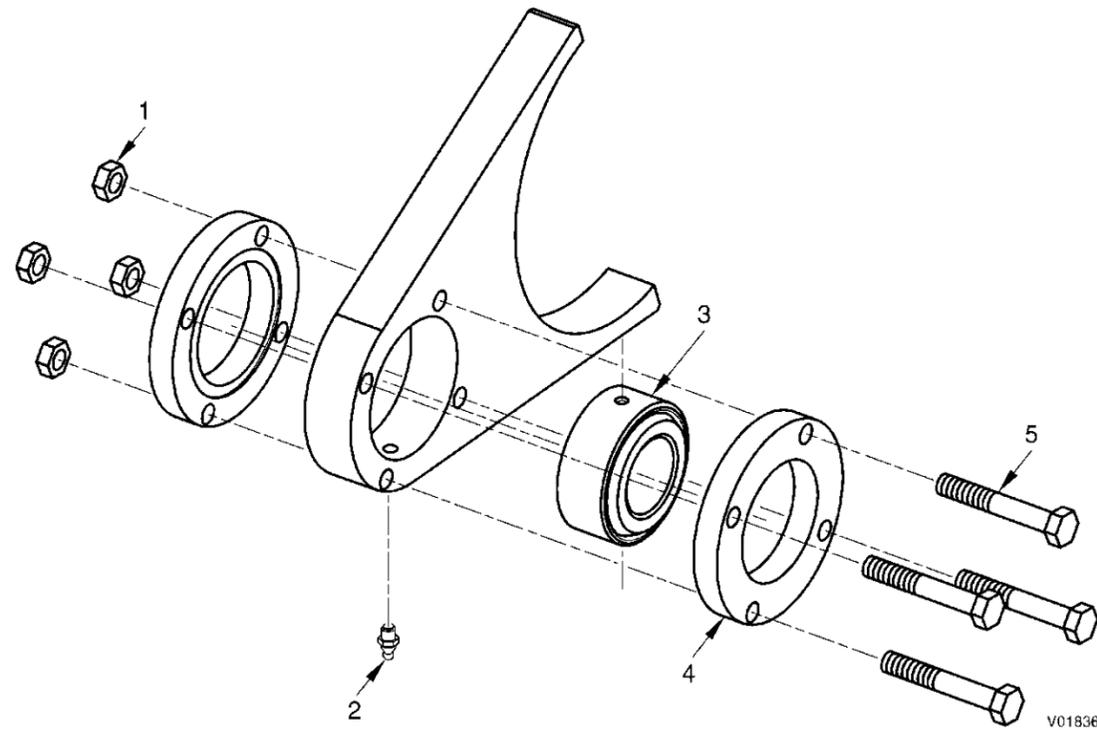
Item	Description	Part No.	Qty.
	Frame Assembly		RF
20	Hook, Right-Hand	BRK-51471	1
21	Hook, Left-Hand	BRK-51472	1
22	Bracket Swaybar (Right-Hand & Left-Hand)	BRK-51485	2
23	Gusset Pan Hard	BRK-53141	2
24	Frame Rail, Left-Hand	HSG-61481	1
25	Frame Rail, Right-Hand	HSG-61480	1
26	Spacer Air Tank	BRK-51573	2
27	Air Tank Assembly	TNK-51993	1
28	Hex Bolt 7/16" – 14 X 1 1/4"		8
	Flat Washer 7/16"		12
	Lock-Washer 7/16"		8
	Nut Hex 7/16" – 14		8
29	Battery Box	HSG-51560	1
30	Tube X-Member Transmission Mount	BRK-53223	1
31	Hex Bolt 5/8" – 11 X 6 1/2" Gr. 8		2
	Lock-Washer 5/8"		2
	Nut Hex 5/8" – 11		2
32	Hex Bolt 5/8" – 11 X 8" Gr. 8		2
	Lock-Washer 5/8"		2
	Nut Hex 5/8" – 11		2
33	Plate, Conveyor to Frame	HSG-53222	1
34	Quick Release Valve	VLV-51642	1
35	1/2" Male Jic X 1/4" Male Pipe	8MJ-4MP	1
36	Hex Bushing 3/8" X 1/4"	FIT-28342	1
37	1/4" Close Nipple	FIT-28001	1
38	Hex Bolt 1/4" – 20 X 1 1/4"	FAS-28703	2
	Lock-Washer 1/4"	FAS-28645	2
	Nut Hex 1/4" – 20	FAS-28500	2
39	45# Fixed Regulator	VLV-26201	1
40	Soc. Hd. Pipe Plug 1/4"	FIT-28296	3
41	90° 1/2" Male Jic X 1/4" Male Pipe	90D8MJ-4MP	1



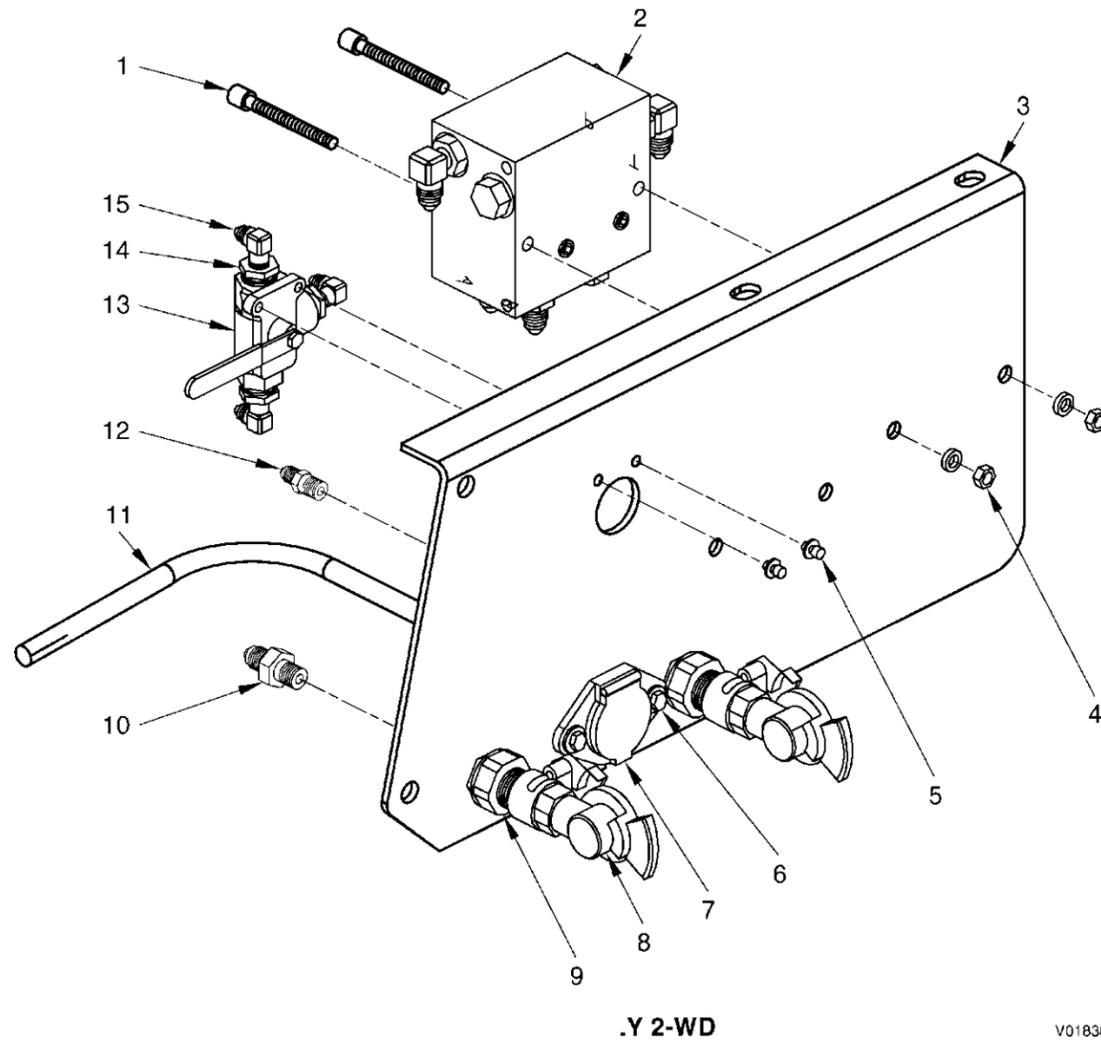
Item	Description	Part No.	Qty.
	Wishbone Assembly		RF
1	Axle, Spicer/Dana HD 1350	PTM-61457	1
2	Plate, Left-Hand Top	BRK-53137	1
3	Plate, Right-Hand Top	BRK-53136	1
4	Spacer, Spherical Bearing	PIP-51518	2
5	Nut 1 1/2" – 12 Esna (Nylon) Lock	FAS-28593	1
6	Hex Bolt 1 1/2" – 12 X 8" Gr. 8	FAS-28999A	1
7	Channel	HSG-53138	2
8	Plate, Bottom, Left-Hand & Right-Hand	BRK-53134	2
9	Spacer	BRK-53240	4
10	Chain Strap	BRK-60797	2
11	Hex Bolt 3/4" – 10 X 8 1/2"		8
	Lock-Washer 3/4"		16
	Washer SAE 3/4"		8
	Nut Hex 3/4" – 10		8
12	Hex Bolt 9/16" – 12 X 1 3/4" Gr. 8		32
	Lock-Washer 9/16" Gr. 8		32
	Nut Hex 9/16" – 12 Gr. 8		32
13	Spacer, Tandem A-Frame	HSG-53243	1
14	Parking Brake Assembly	PTM-53235	1
15	Brake Mount	BRK-53315	1
	Sway Bar Assembly (not shown)	PTM-51459	1



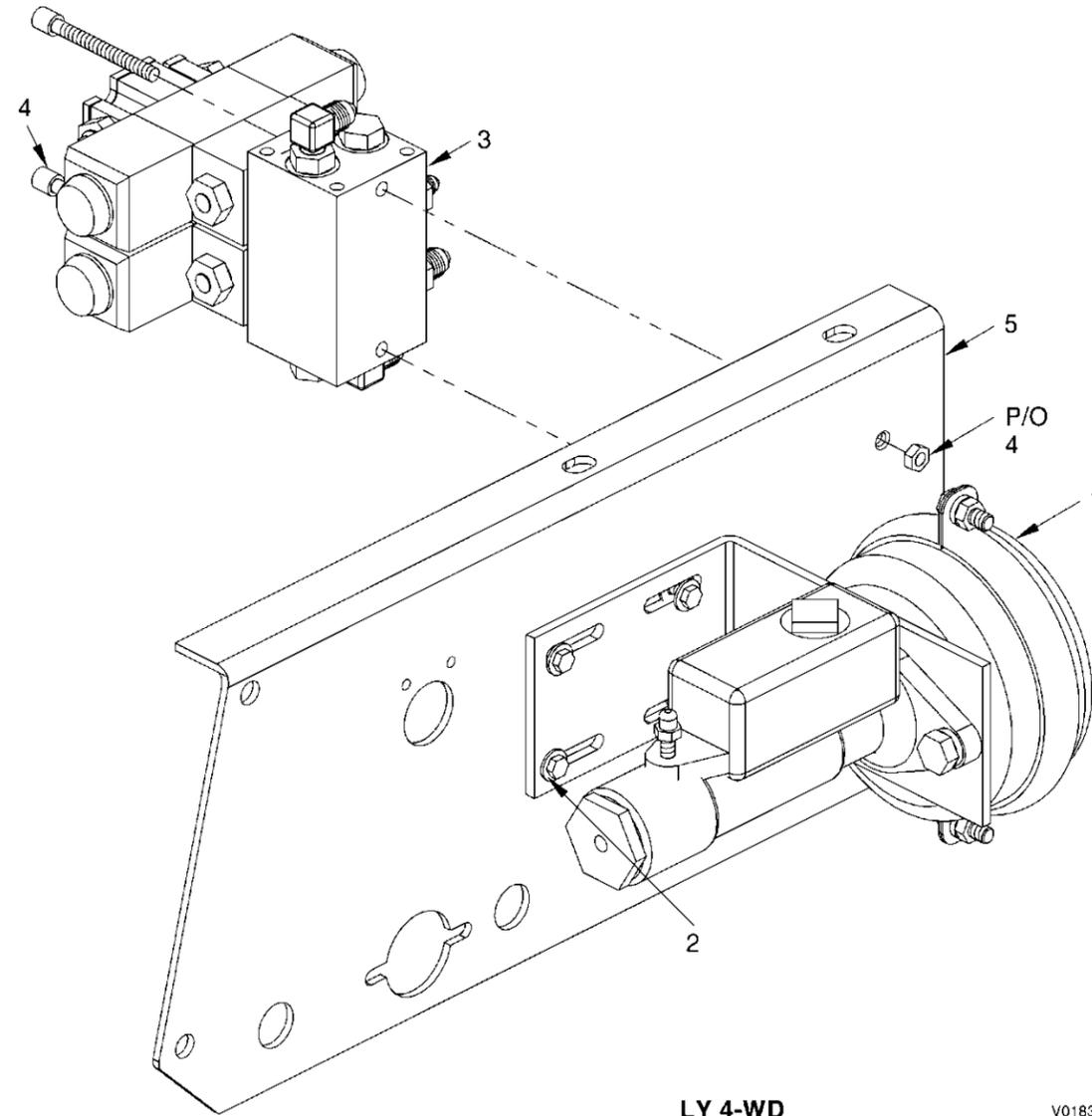
Item	Description	Part No.	Qty.
	Spherical Bearing		RF
1	Nut Hex 3/8" – 16	FAS-28538	4
2	1/4" Grease Zerk	.250-28M-2	1
3	Spherical Bearing	PTM-51517	1
4	Spherical Bearing Retainer	HSG-51513	2
5	Hex Bolt 3/8" – 16 X 2 1/2"	FAS-28736	4



V01836



Item	Description	Part No.	Qty.
	Panel Assembly, 2-Wheel Drive		RF
1	Soc. Hd. Bolt 5/16" – 18 X 3"	FAS-25483	2
2	Hitch Manifold (W/Fittings Only)	HSG-61500	1
3	Bracket, Hitch Manifold, Tow Bar Glad Hand	BRK-61048	1
4	Nut Hex 5/16" – 18	FAS-28501	2
	Lock-Washer 5/16"	FAS-28646	2
5	Soc. Hd. Screw 10 – 24 X 3/8"	FAS-25451	2
6	Hex Bolt 1/4" – 20 X 1"	FAS-28702	2
	Washer Flat 1/4"	FAS-28632	2
	Lock-Washer 1/4"	FAS-28645	2
	Nut Hex 1/4" – 20	FAS-28500	2
7	Socket 7-Pole Trailer Conn.	ELC-24245	1
	Socket Boot	ELC-24247	1
8	Glad Hand	ELC-22375	2
9	1/2" Male Pipe X 3/4" Bulk Head X 1/2" Male Pipe	8MP-12BH-8MP	2
10	1/2" Male Jic X 1/4" Male Pipe	8MJ-4MP	1
11	Cable 7-Cond. Stranded Trailer Cable	ELC-24058	10'
12	1/4" Male Jic X 1/4" Male Pipe	4MJ-4MP	1
13	Valve S/S 3-Way Ball Valve	VLV-29216	1
14	Bushing Hex 1/2" X 1/4"	FIT-28344	3
15	90° 1/4" Male Jic X 1/4" Male Pipe	90D4MJ-4MP	3

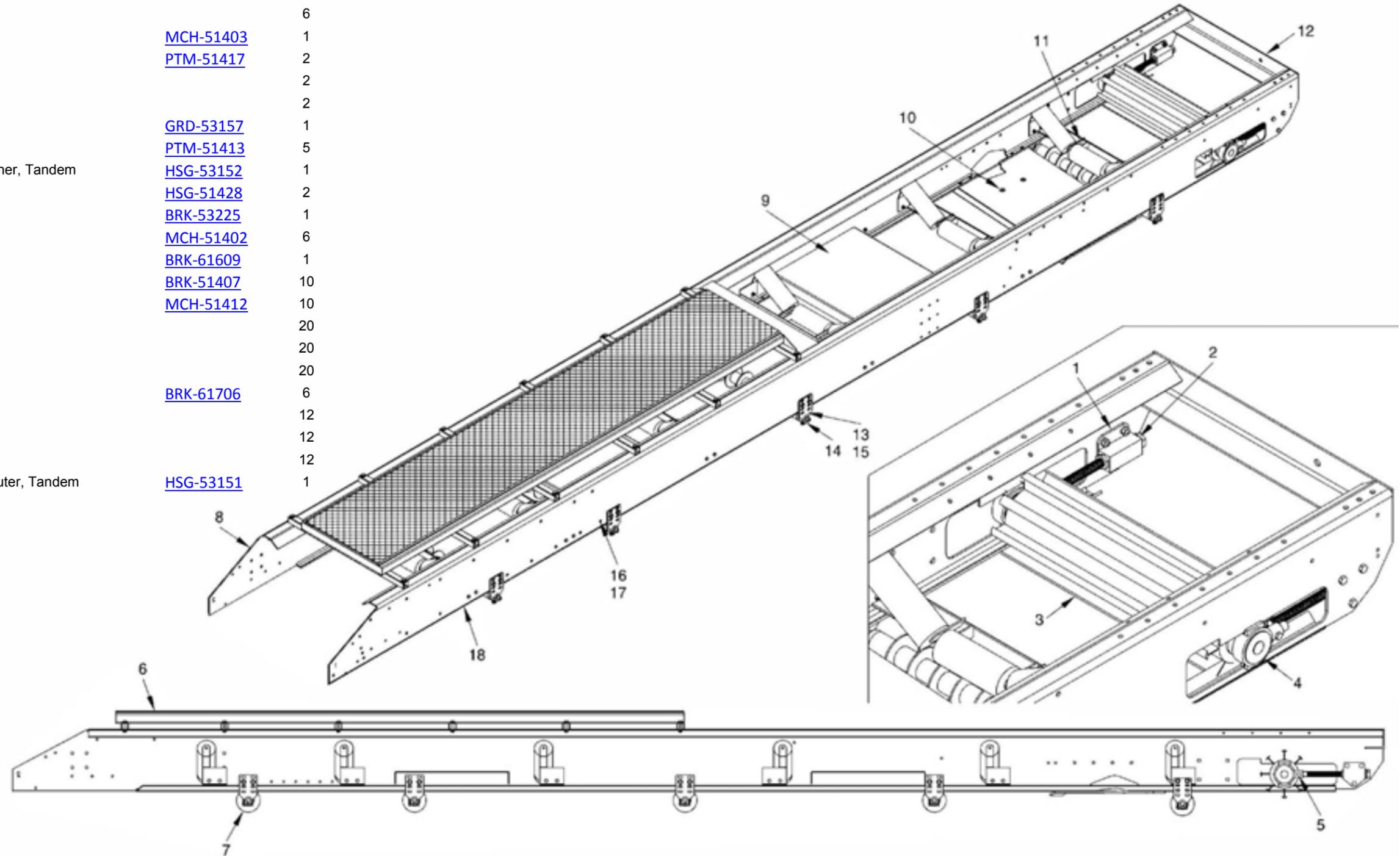


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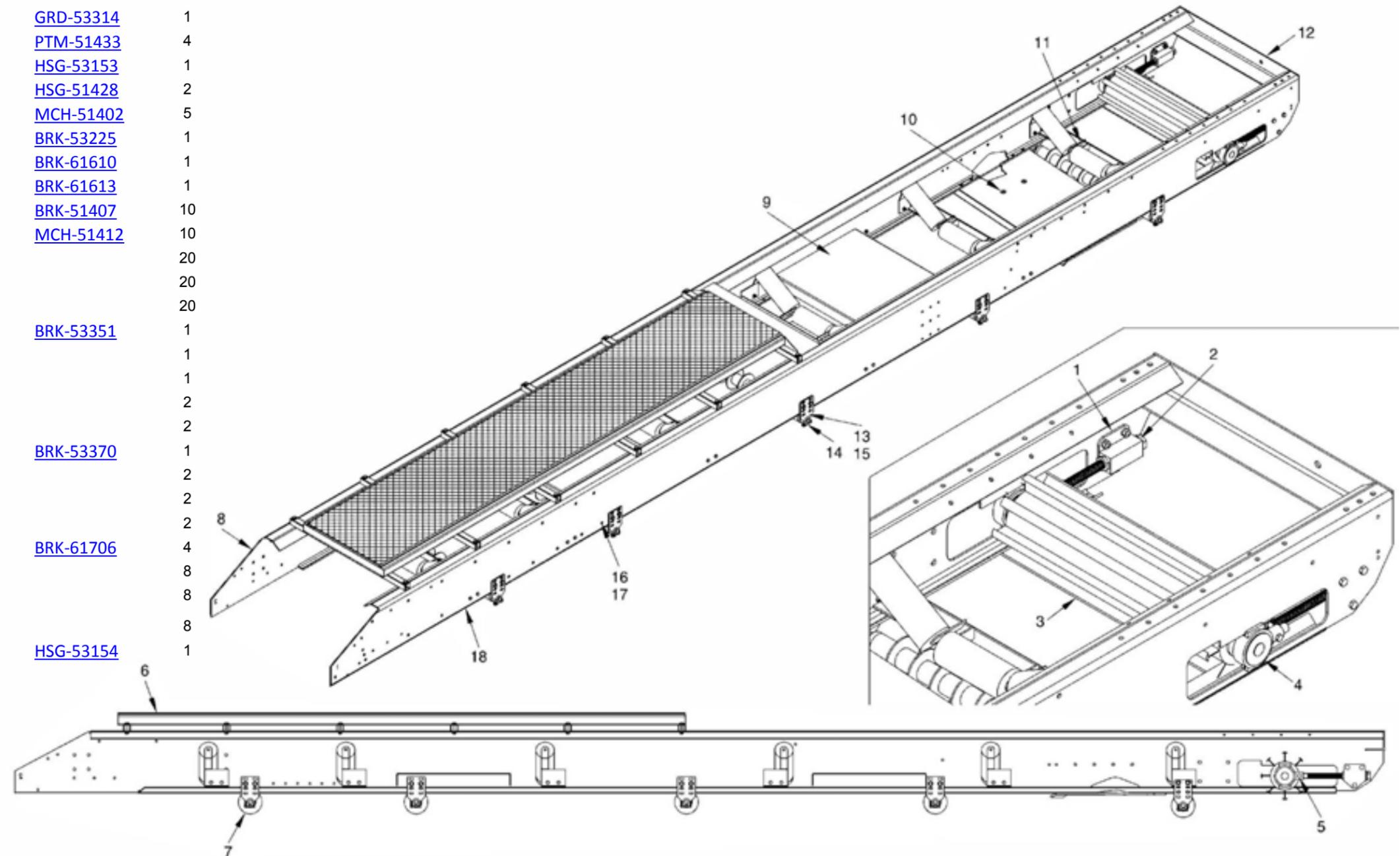
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Fig	Item	Description	Part No.	Qty.
		Panel Assembly, 4-Wheel Drive		RF
1	Master Cylinder		PTM-51644	1
2	Hex Bolt 3/8" – 16 X 1 1/4"		FAS-28732	4
	Flat Washer 3/8"		FAS-28634	4
	Lock-Washer 3/8"		FAS-28647	4
	Nut Hex 3/8" – 16		FAS-28502	4
3	Hitch Manifold (W/Fittings Only)		HSG-61500	1
4	Soc. Hd. Bolt 5/16" – 18 X 3"		FAS-25483	2
	Lock-Washer 5/16"		FAS-28646	2
	Nut Hex 5/16" – 18		FAS-28501	2
5	Bracket		BRK-61048	1

Item	Description	Part No.	Qty.
	Conveyor Assembly, Left-Hand		RF
1	Take-Up Bearing Adjustment Assembly	MCH-51965	2
2	Hex Bolt 1/2" – 13 X 1 1/4"		6
	Lock-Washer 1/2"		6
	Nut Hex 1/2" – 13		6
3	Tail Pulley Assembly	MCH-51403	1
4	Take-Up Bearing	PTM-51417	2
5	Hex Bolt 3/8" – 16 X 2 1/2"		2
	Nut Lock 3/8" – 16		2
6	Cat Walk, Left-Hand, Tandem	GRD-53157	1
7	Return Rollers	PTM-51413	5
8	Conveyor Rail #2 Left-Hand Inner, Tandem	HSG-53152	1
9	Cross Channel	HSG-51428	2
10	Plate, Rear Axle	BRK-53225	1
11	Trough Rollers Assembly	MCH-51402	6
12	Angle Brace	BRK-61609	1
13	Bracket	BRK-51407	10
14	Stub Shaft	MCH-51412	10
15	Hex Bolt 3/8" – 16 X 1 1/4"		20
	Lock-Washer 3/8"		20
	Nut Hex 3/8" – 16		20
16	Cross Member	BRK-61706	6
17	Hex Bolt 3/8" – 16 X 2 1/2"		12
	Flat Washer 3/8"		12
	Nut Lock 3/8" – 16		12
18	Conveyor Rail #1 Left-Hand Outer, Tandem	HSG-53151	1

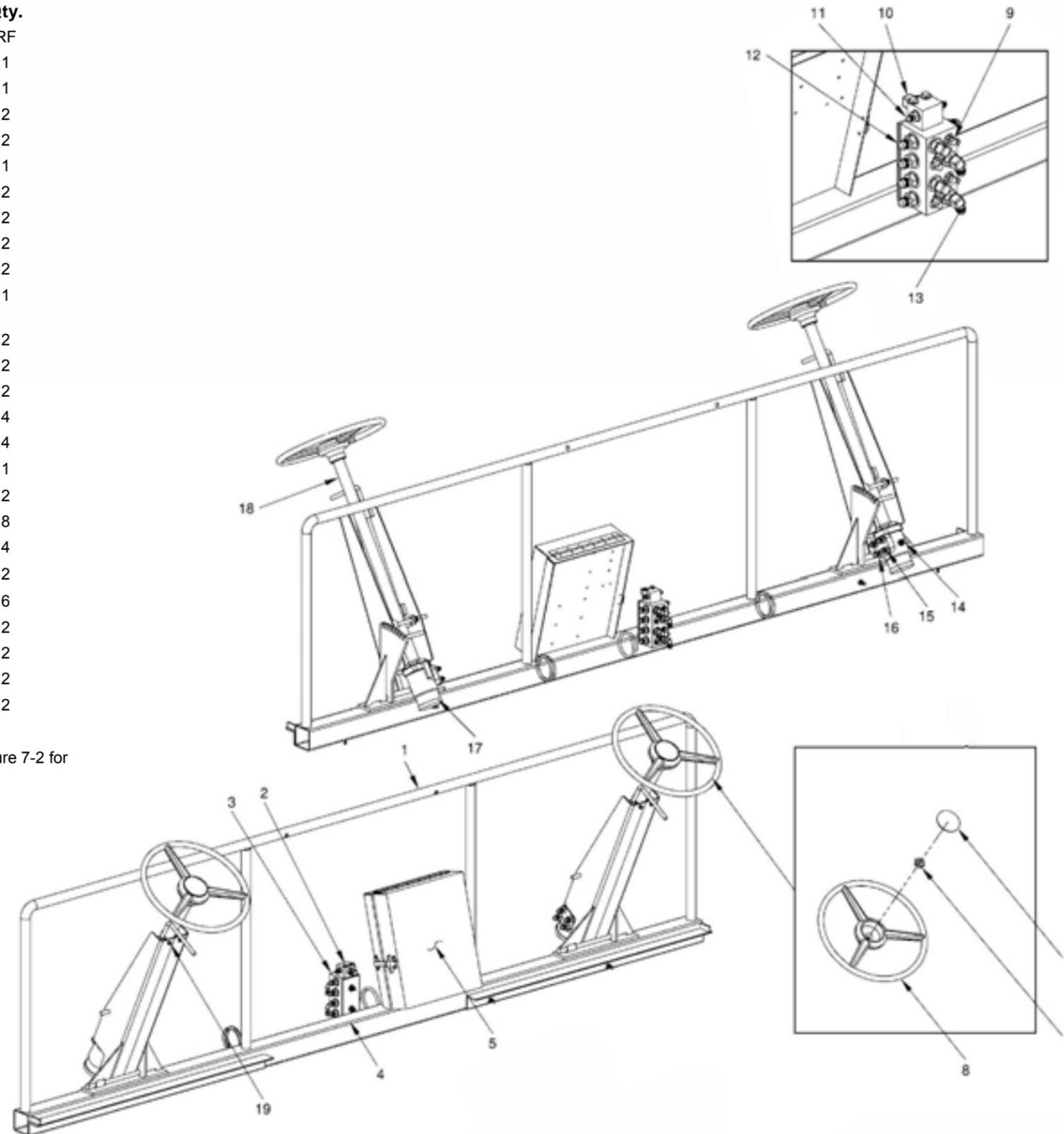


Item	Description	Part No.	Qty.
	Conveyor Assembly, Right-Hand		RF
1	Take-Up Bearing Adjustment Assembly	MCH-51965	2
2	Hex Bolt 1/2" - 13 X 1 1/4"		6
	Lock-Washer 1/2"		6
	Nut Hex 1/2" - 13		6
3	Tail Pulley Assembly	MCH-51403	1
4	Take-Up Bearing	PTM-51417	2
5	Hex Bolt 3/8" - 16 X 2 1/2"		2
	Nut Lock 3/8" - 16		2
6	Cat Walk, Right-Hand, Tandem	GRD-53314	1
7	Return Roller Assembly	PTM-51433	4
8	Conveyor Rail #3 Right-Hand Inner	HSG-53153	1
9	Cross Channel	HSG-51428	2
10	Trough Roller	MCH-51402	5
11	Plate, Rear Axle	BRK-53225	1
12	Angle Brace	BRK-61610	1
13	Mount Angle Cylinder Hitch Lift	BRK-61613	1
14	Bracket	BRK-51407	10
15	Stub Shaft	MCH-51412	10
16	Hex Bolt 3/8" - 16 X 1 1/4"		20
	Lock-Washer 3/8"		20
	Nut Hex 3/8" - 16		20
17	Cross Member	BRK-53351	1
18	Hex Bolt 3/8" - 16 X 2 1/2"		1
	Cap Screw Flat Soc. Hd. 3/8" - 16 X 1"		1
	Lock-Washer 3/8"		2
	Flat Washer 3/8"		2
19	Cross Member With Guard	BRK-53370	1
20	Hex Bolt 3/8" - 16 X 2 1/2"		2
	Lock-Washer 3/8"		2
	Flat Washer 3/8"		2
21	Cross Member	BRK-61706	4
22	Hex Bolt 3/8" - 16 X 2 1/2"		8
	Lock-Washer 3/8"		8
	Flat Washer 3/8"		8
23	Conveyor Rail #4 Right-Hand Outer	HSG-53154	1

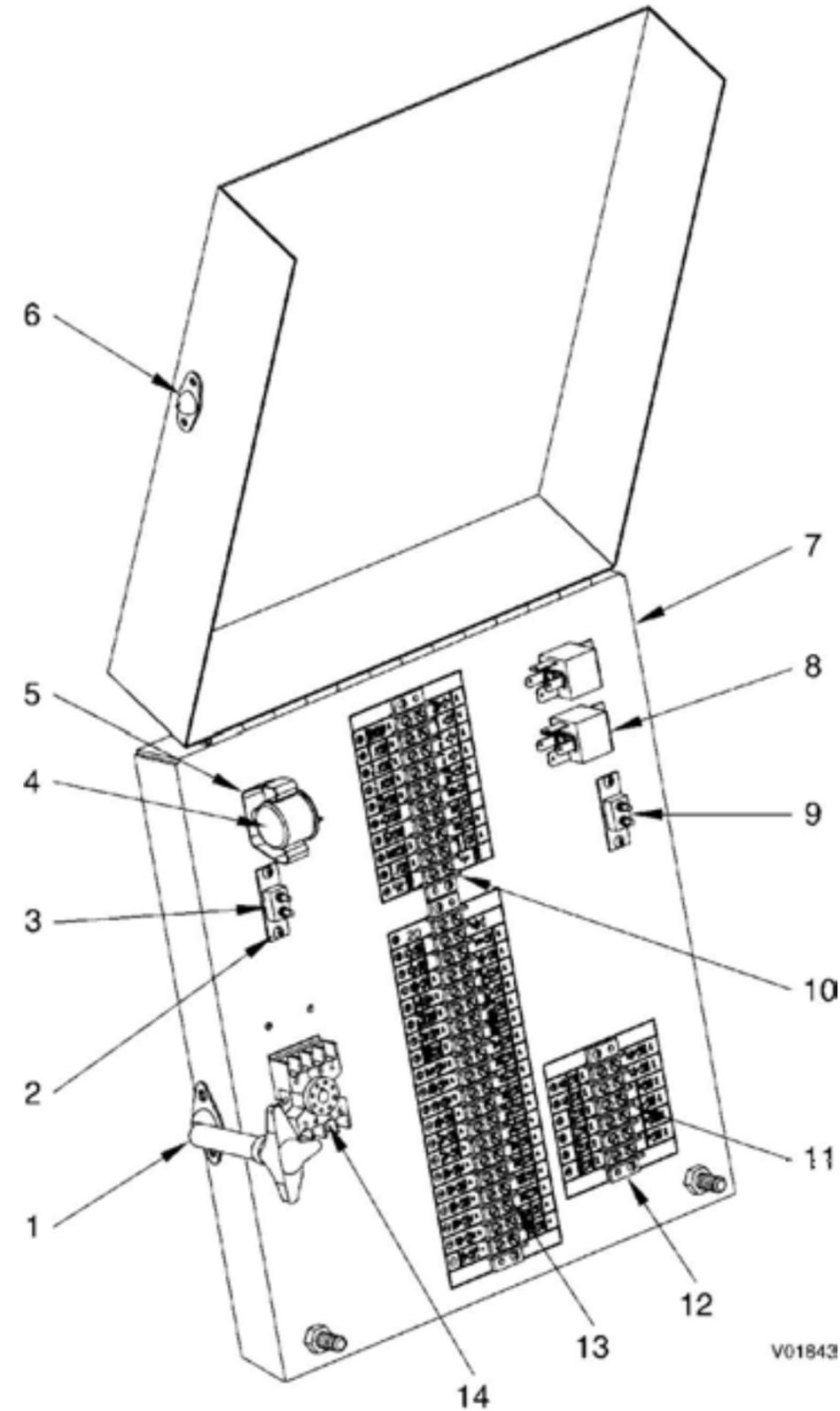


Item	Description	Part No.	Qty.
	Tube/Steering Assembly		RF
1	Platform Support/Forward Tube Assembly	BRK-60673	1
2	Steering Shuttle Valve	VLV-51605	1
	Hex Bolt 1/4" – 20 X 2 1/4"	FAS-28707	2
	Lock-Washer 1/4"	FAS-28645	2
3	Manifold, Steering	MSC-60995	1
4	Soc. Hd. Cap Screw 5/16" – 18 X 3 1/2"	FAS-25493	2
	Flat Washer 5/16"	FAS-28646	2
	Nut Hex 5/16" – 18	FAS-28501	2
	Lock-Washer 5/16"	FAS-28646	2
5	Junction Box (See Figure 7-14 for Details)	ELC-60931	1
6	Steering Wheel Cap	MCH-51610	2
7	Steering Wheel Nut	FAS-51611	2
8	Steering Wheel	MCH-51609	2
9	1/4" Male O-Ring X 1/4" Male Jic	4MB-4MJ	4
	Cap 1/4" Female Jic	C4FJ	4
10	90° 1/4" Male O-Ring X 1/4" Male Jic	9OD4MB-4MJ	1
11	3/8" Male O-Ring X 1/4" Male Jic	6MB-4MJ	2
12	1/2" Male O-Ring X 1/2" Male Jic	8MB-8MJ	8
13	90° 1/2" Male O-Ring X 1/2" Male Jic	9OD8MB-8MJ	4
14	90° 1/4" Male O-Ring X 1/4" Male Jic	9OD4MB-4MJ	2
15	1/2" Male O-Ring X 1/2" Male Jic	8MB-8MJ	6
16	Inlet Check Valve	VLV-51606	2
17	Valve Steering	VLV-51607	2
18	Steering Column 30"	MCH-51608	2
19	Clamp Muffler 1 1/2"	FAS-29362	2

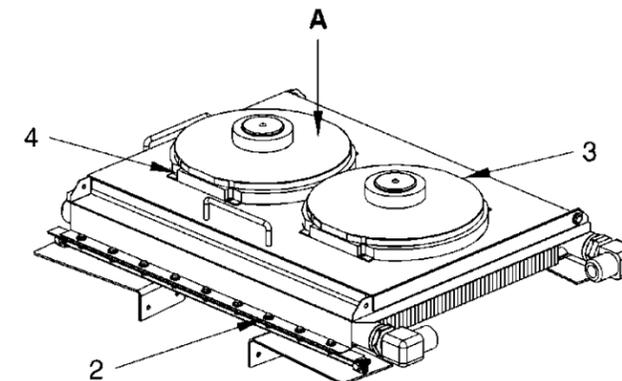
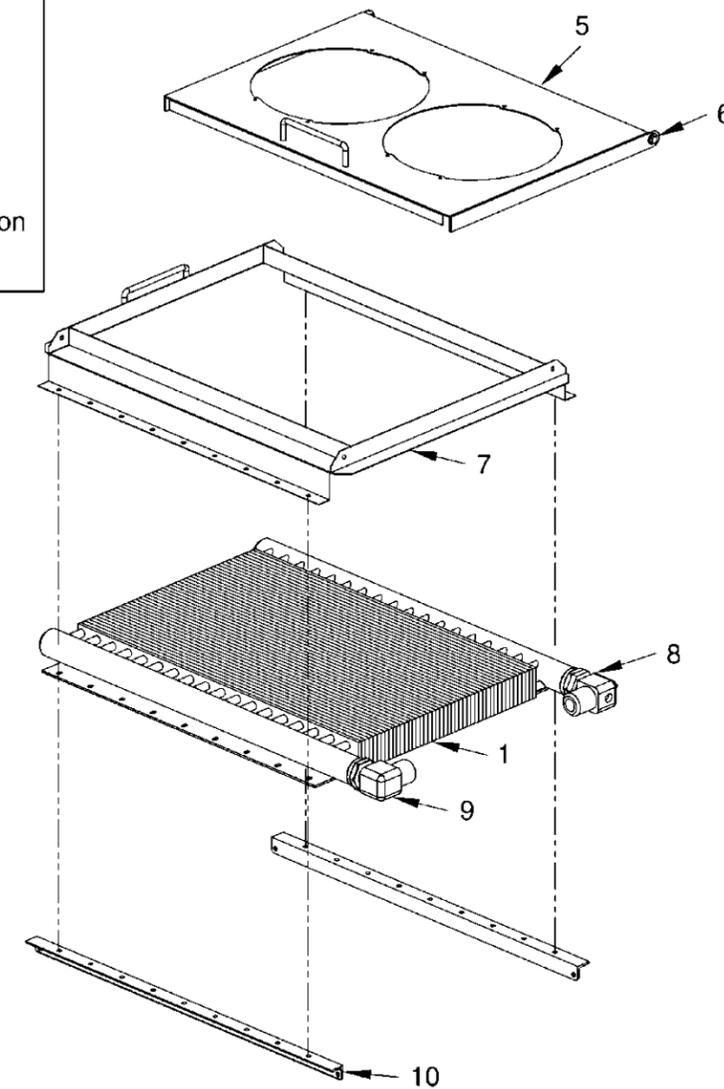
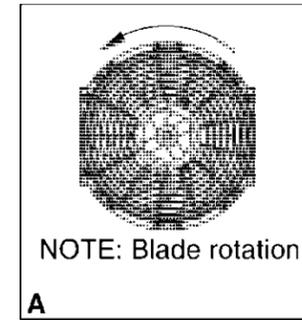
NOTE: The Tube/Steering Assembly Hand Rail is changed for the 2002 model. See Figure 7-2 for differences. Specify model year when ordering a replacement hand rail.



Item	Description	Part No.	Qty.
	Junction Box		RF
1	Latch T-Handle	FAS-24387	1
2	Screw Machine Rd. Hd. 10 – 32 X ¾"	FAS-25834	7
	Nut Hex 10 – 32	FAS-28554	7
3	Breaker 15 Amp	ELC-24289	1
4	Flasher, Heavy Duty 2-Terminal	ELC-101889	1
5	Clip, Flasher	BRK-51850	1
6	Bracket Latch T-Handle	FAS-24387A	1
7	Junction Panel Assembly	HSG-51848	1
8	Relay 70 Amp	ELC-24270	2
9	50 Amp Current Breaker	ELC-24184	1
10	10 Lug Connector Cinch	ELC-24188	1
11	Cinch Connector 6 Lug	ELC-24190	1
12	Screw Machine Rd. Hd. 8 – 32 X ¾"	FAS-25814	6
	Nut Hex 8 – 32	FAS-28552	6
13	Connector 20 Lug Barrier Strip	ELC-24220	1
14	Socket, Relay	ELC-81005	1



Item	Description	Part No.	Qty.
	Oil Cooler Assembly		RF
1	Oil Cooler	PTM-53230	1
2	Hex Bolt 5/16" – 18 X 1"		18
	Flat Washer 5/16"		36
	Lock-Washer 5/16"		18
	Nut Hex 5/16" – 18		18
3	Fan Electric, Oil Cooler	ELC-53231	2
4	Hex Bolt 1/4" – 20 X 1"		8
	Lock-Washer 1/4"		8
	Nut Hex 1/4" – 20		8
5	Cover	HSG-53245	1
6	Hex Bolt 3/8" – 16 X 1 1/4"		2
	Flat Washer 3/8"		4
	Nut Lock 3/8" – 16		2
7	Shroud	HSG-53244	1
8	Sensor / Pressure Check Port (Modified 90D32MB-32MJ)	FIT-53335	1
9	Pressure Check Port Only (Modified 90D32MB-32MJ)	FIT-53336	1
10	Bracket Hinge / Base	BRK-53246	2



VO1844

Item	Description	Part No.	Qty.
	Pedestal and Control Box Assembly		RF
1	Cable Assembly	PTM-51634	1
2	Clevis (1/4" Pin)	FAS-51635	1
3	Clevis (5/16" Pin)	FAS-51758	1
4	Control Positive Lock	MCH-51633	1
5	Valve Brake Control	VLV-51640	1
6	Hex Bolt 5/16" – 18 X 1"	FAS-28716	2
	Lock-Washer 5/16"	FAS-28646	2
	Nut Hex 5/16" – 18	FAS-28501	2
7	Start Up Cable with Tee Handle & Clevis	PTM-60980	1
8	Break Away Switch	ELC-24281	1
9	Hex Bolt 1/4" – 20 X 1/2"	FAS-28700	4
10	Clamp, Cable	FAS-60982	1
11	Parking Brake Knob	MSC-51829	1
12	Security Box Assembly	HSG-51697	1
13	CRC Display	MTR-51753	1
14	Hex Bolt 1/4" – 20 X 1/2"	FAS-28714	2
15	Wiring Console Assembly	SCH-51510	1
16	Hex Bolt 5/16" – 18 X 3/4"	FAS-28715	4
	Lock-Washer 5/16"	FAS-28646	4
	Nut Hex 5/16" – 18	FAS-28501	4
17	Foot Pedal Brake Valve	BRK-51240	1
18	Hex Bolt 5/16" – 18 X 1"	FAS-28716	5
	Lock-Washer 5/16"	FAS-28646	5
	Nut Hex 5/16" – 18	FAS-28501	5
19	Foot Switch, Varior Potentiometer (2000 – 2001)	ELC-51832	1
	Foot Pedal, Digital (2002)	ELC-51836	1
20	Hex Bolt 5/16" – 18 X 1 1/4"	FAS-28717	4
	Flat Washer 5/16"	FAS-28633	4
	Lock-Washer 5/16"	FAS-28646	4
	Nut Hex 5/16" – 18	FAS-28501	4
21	Earphone	ELC-60638	1
22	CB, 40 Channel	ELC-60636	1
23	Antenna 39 1/2" Height Magnetic Base	ELC-60637	1
24	Ground Strap 12"	ELC-24011	1
25	Nut Hex 3/8" – 16	FAS-28502	1
	Flat Washer 3/8"	FAS-28634	2
26	Pedestal Assembly, Tandem	HSG-53373	1

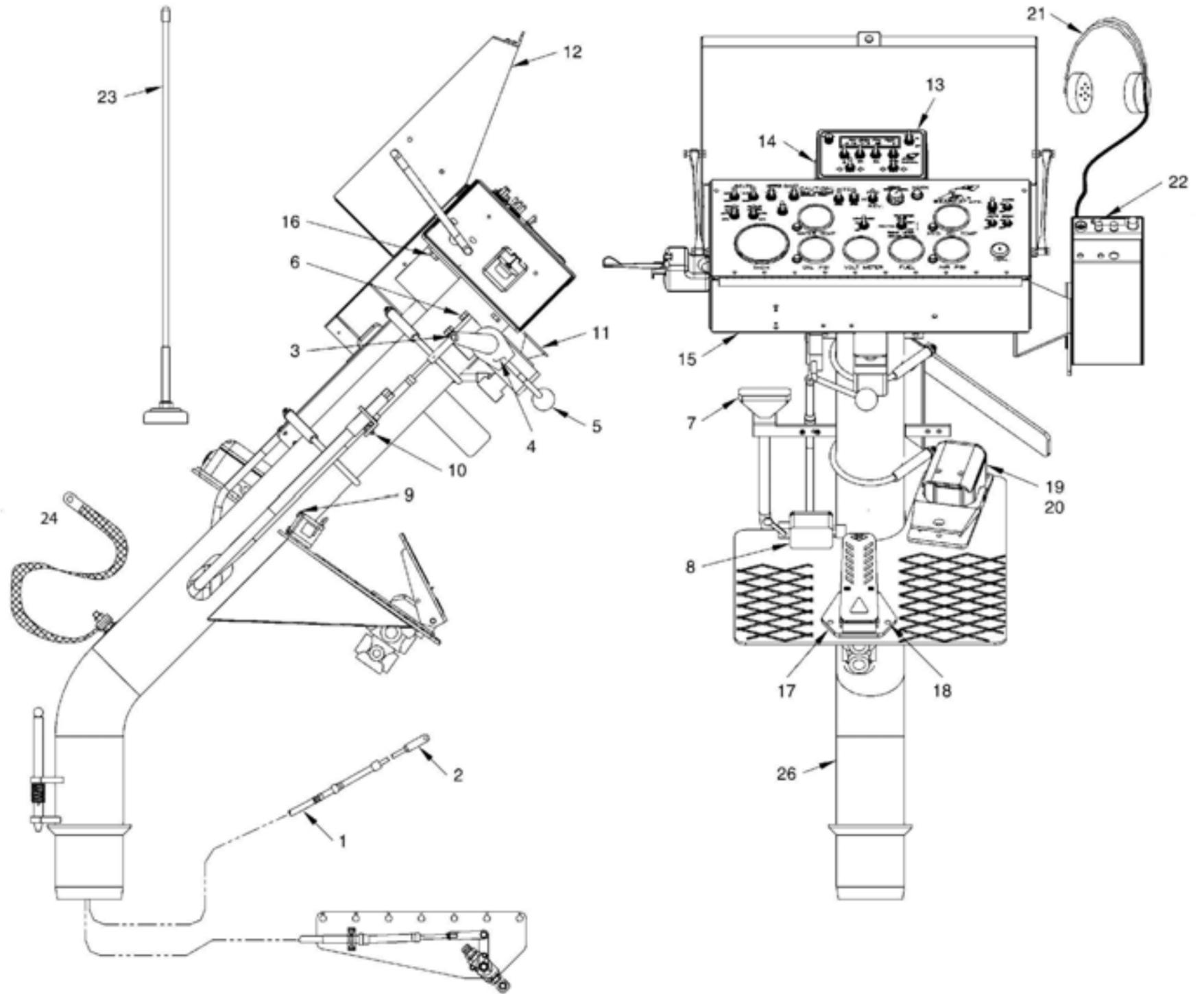
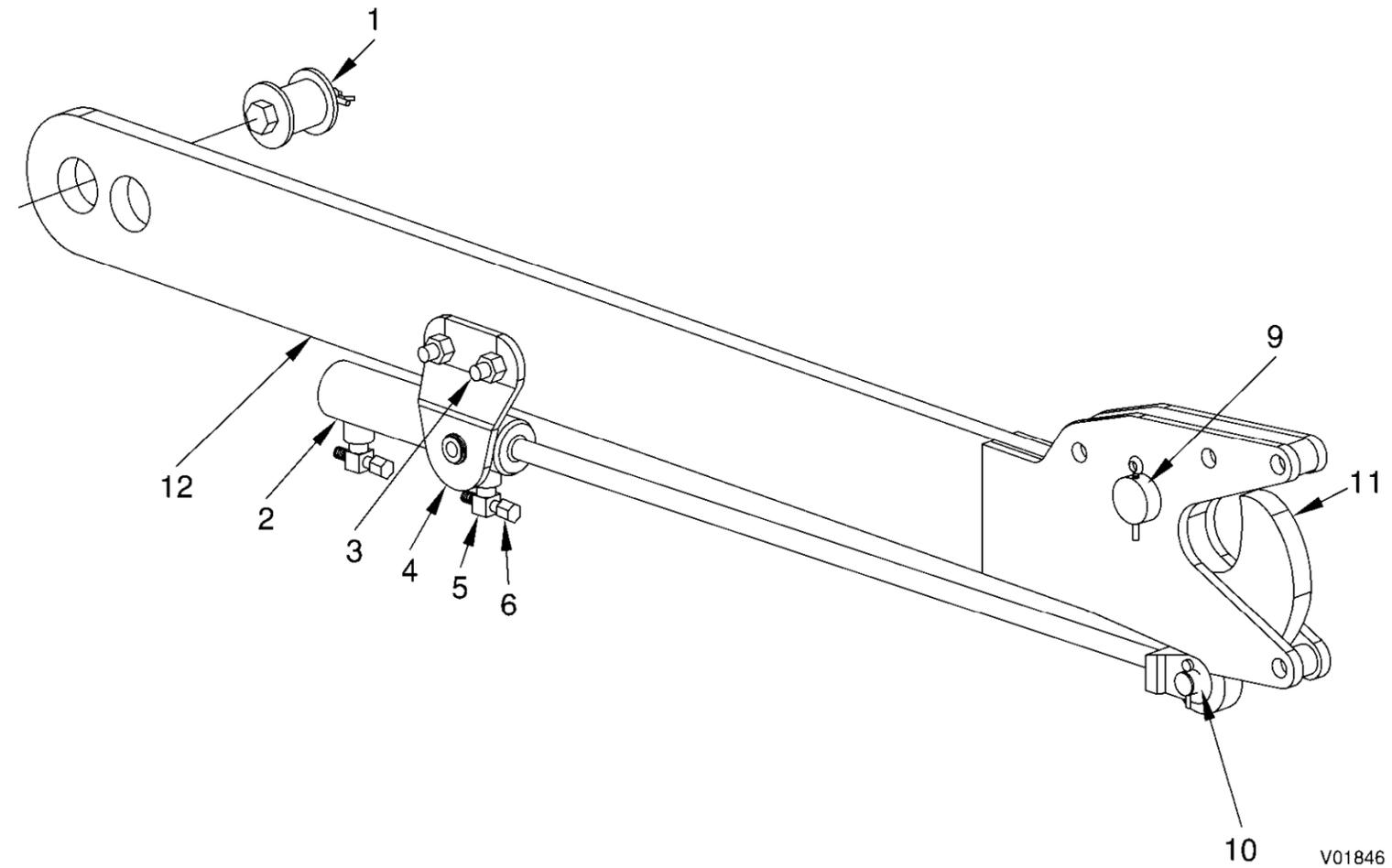
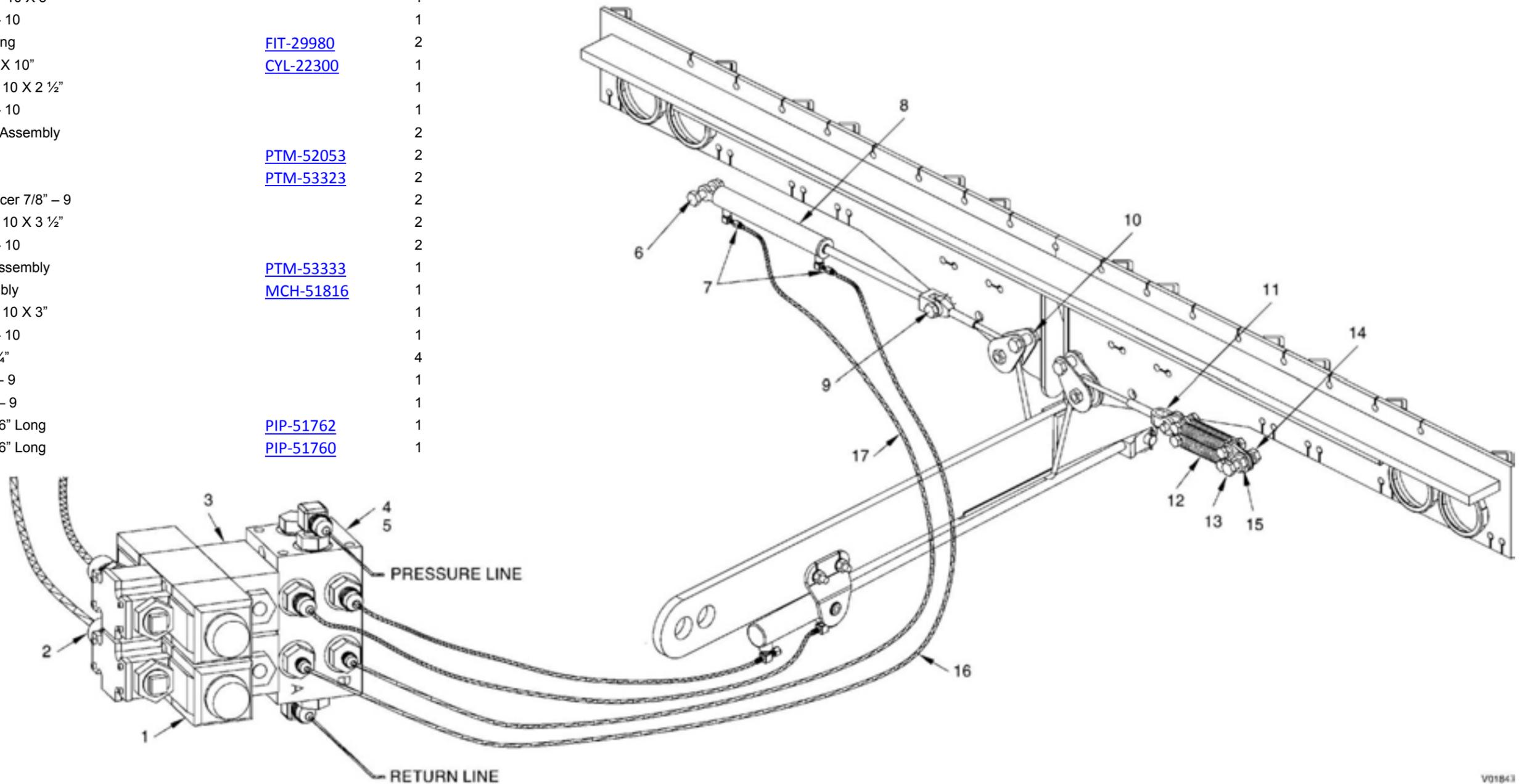


Figure 7-1. Hitch Assembly

Item	Description	Part No.	Qty.
	Hitch Assembly		RF
1	Chipper Hitch Pin	BRK-60658	1
2	Chipper Hitch Cylinder	CYL-60651	1
3	Hex Bolt 5/8" – 11 X 3"	FAS-28781A	2
	Lock-Washer 5/8"	FAS-28650	2
	Nut Hex 5/8" – 11	FAS-28505	2
4	Hitch Assembly Cylinder Bracket	BRK-51505	2
5	Tee 1/2" Male Jic X 1/2" O-Ring X 1/2" Male Jic	T8MJ-8MB-8MJ	2
6	1/2" Female Jic Cap	C8FJ	2
9	Hitch Pin	FAS-51506	1
	Cotter Pin 1/4" X 2 1/2"	FAS-25944	1
10	Pin Assembly Hitch Cylinder	FAS-60941	1
	Cotter Pin 3/16" X 2"	FAS-25935	1
11	Hitch Hook	BRK-61501	1
12	Hitch Assembly	MCH-51500	1

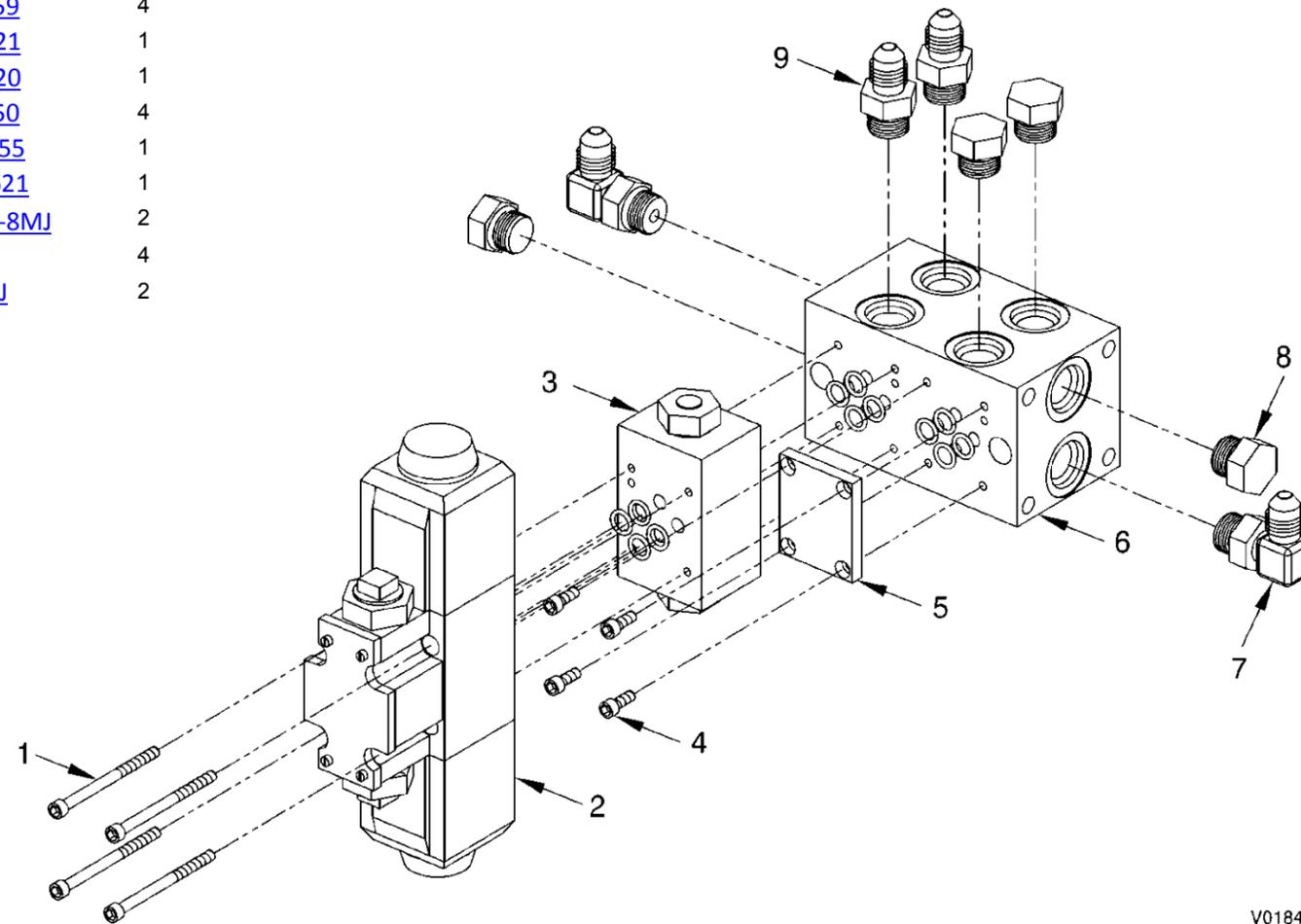


Item	Description	Part No.	Qty.
	Hitch Lift		RF
1	Directional Control Valve, Closed Center	VLV-51621	2
2	Strain Relief		2
3	Double Check Valve, Stack-Up	VLV-51920	1
4	Manifold Assembly	HSG-61500	1
5	Soc. Hd. Bolt 5/16" – 18 X 3"		2
	Lock-Washer 5/16"		2
	Nut Hex 5/16" – 18		2
6	Hex Bolt 3/4" – 10 X 3"		1
	Nut Lock 3/4" – 10		1
7	Restrictor Fitting	FIT-29980	2
8	Cylinder 1 1/2" X 10"	CYL-22300	1
9	Hex Bolt 3/4" – 10 X 2 1/2"		1
	Nut Lock 3/4" – 10		1
10	Snatch Block Assembly		2
	Snatch Block	PTM-52053	2
	Spacer	PTM-53323	2
	Nut Inner Spacer 7/8" – 9		2
	Hex Bolt 3/4" – 10 X 3 1/2"		2
	Nut Lock 3/4" – 10		2
11	Sling Cable Assembly	PTM-53333	1
12	Spring Assembly	MCH-51816	1
13	Hex Bolt 3/4" – 10 X 3"		1
	Nut Lock 3/4" – 10		1
14	Flat Washer 3/4"		4
15	Nut Hex 7/8" – 9		1
	Nut Jam 7/8" – 9		1
16	Hose #4 X 146" Long	PIP-51762	1
17	Hose #4 X 156" Long	PIP-51760	1

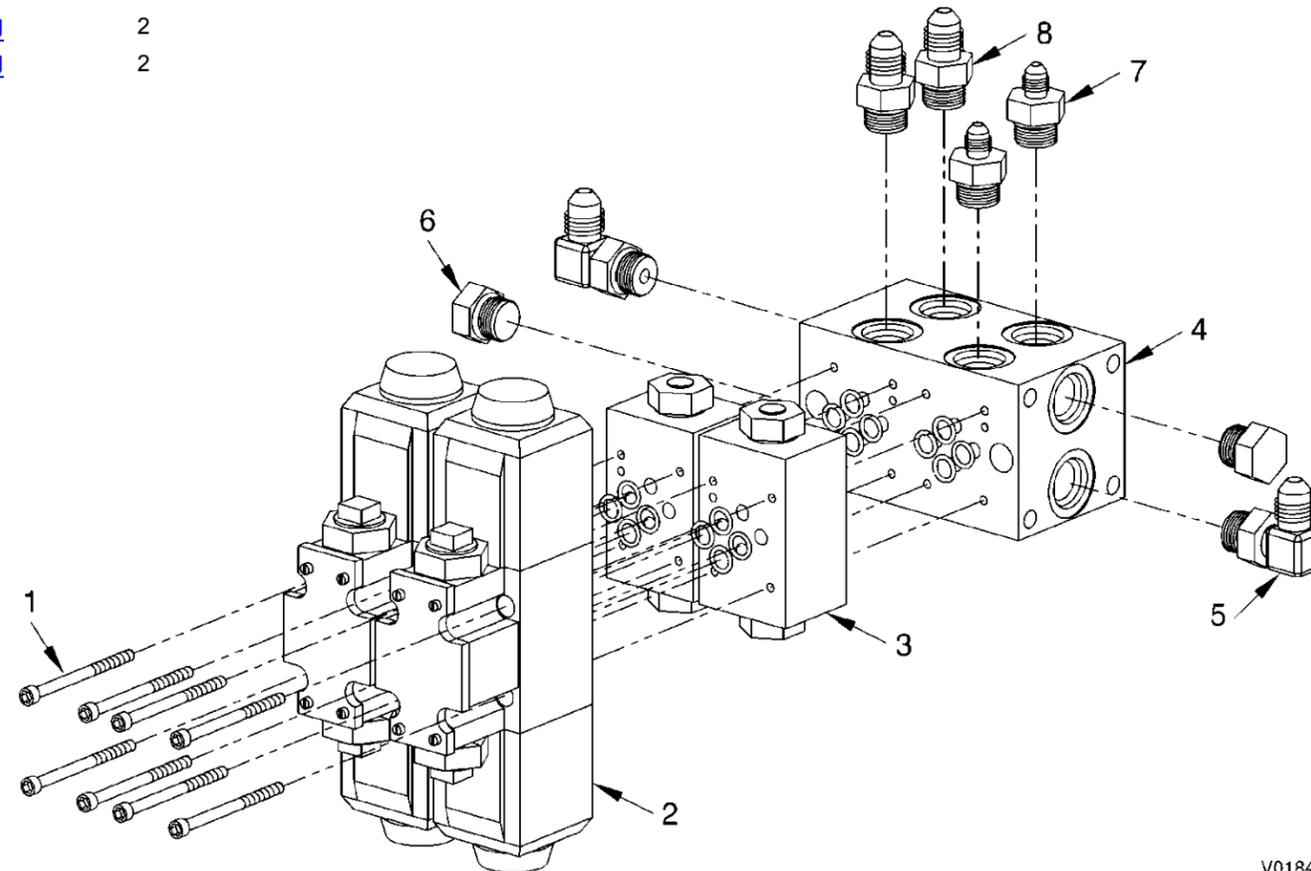


Hitch Manifold W/Out Lift Option

			RF
	Hitch Manifold W/Out Lift Option		
1	Soc. Hd. Cap Screw 10 – 24 X 2 3/4"	FAS-25459	4
2	Valve Sol. Dir. Control Closed Center	VLV-51621	1
3	Double Check Stack-Up Valve	VLV-51920	1
4	Soc. Hd. Cap Screw 10 – 24 X 1/2"	FAS-25450	4
5	Cover, Hydraulic Manifold Closed Center	HSG-27355	1
6	Manifold, 2-Station Parallel	MSC-51621	1
7	90° 1/2" Male O-Ring X 1/2" Male Jic	90D8MB-8MJ	2
8	Plug 1/2" Male O-Ring	P8MB	4
9	1/2" Male O-Ring X 1/2" Male Jic	8MB-8MJ	2



Item	Description	Part No.	Qty.
	Hitch Manifold W/Lift Option		RF
1	Soc. Hd. Bolt 10 – 24 X 2 3/4"		8
2	Directional Control Valve, Closed Center	VLV-51621	2
3	Double Check Valve, Stack-Up	VLV-51920	2
4	Manifold, 2-Station Parallel	MSC-51621	1
5	90° 1/2" Male O-Ring X 1/2" Male Jic	90D8MB-8MJ	2
6	Plug 1/2" Male O-Ring	P8MB	2
7	1/2" Male O-Ring X 1/4" Male Jic	8MB-4MJ	2
8	1/2" Male O-Ring X 1/2" Male Jic	8MB-8MJ	2



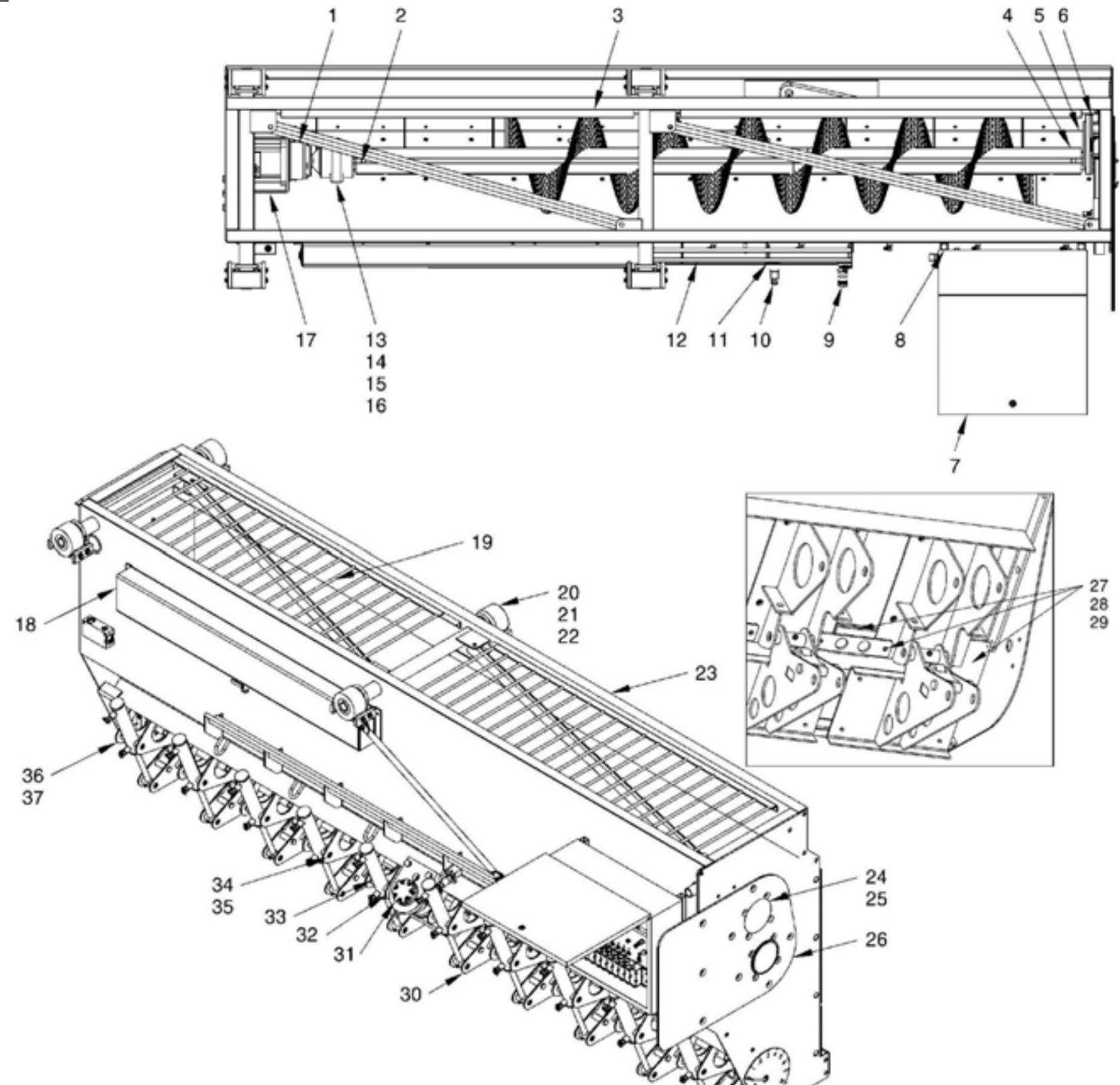
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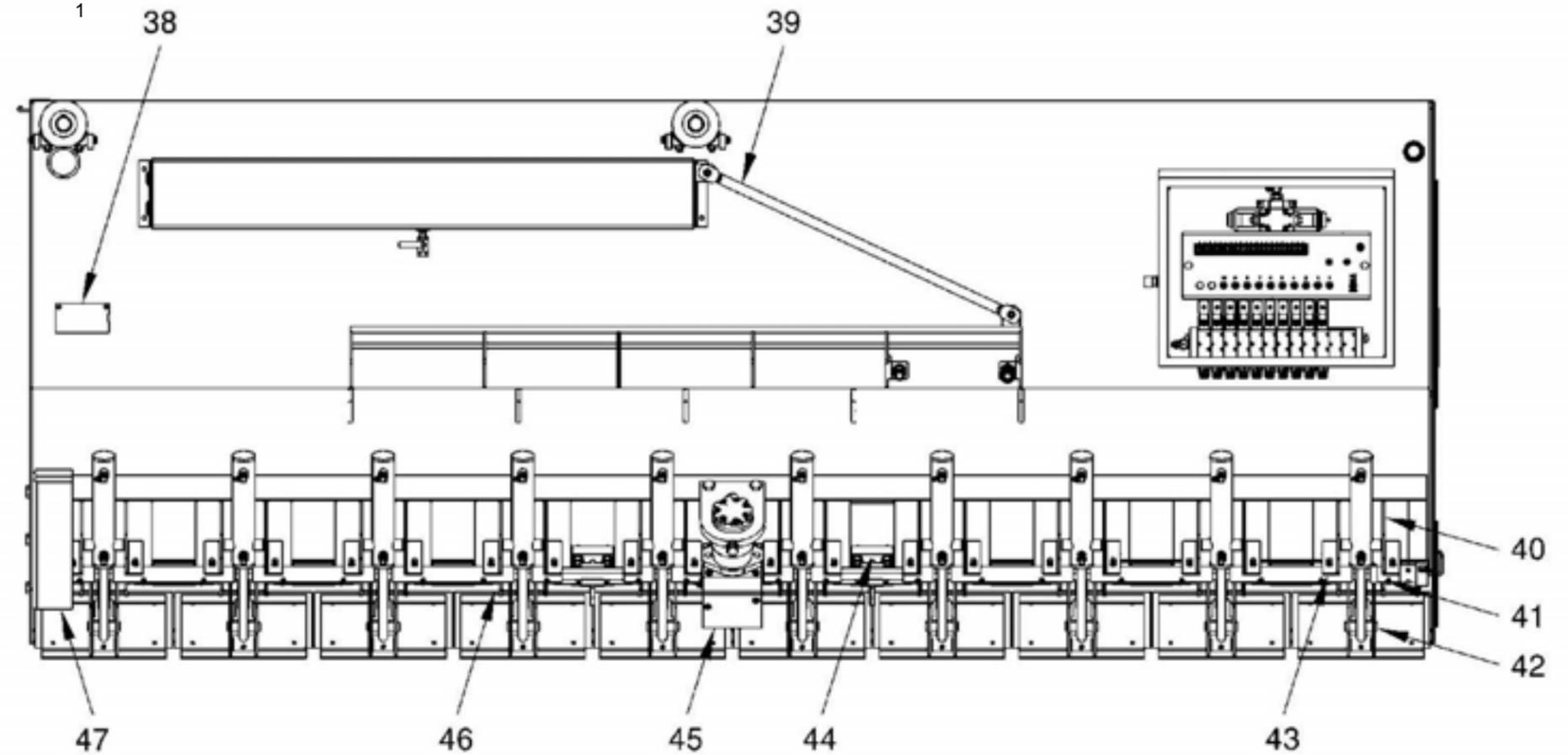
Model BC-2002/CRC Tandem

Illustrated Parts List

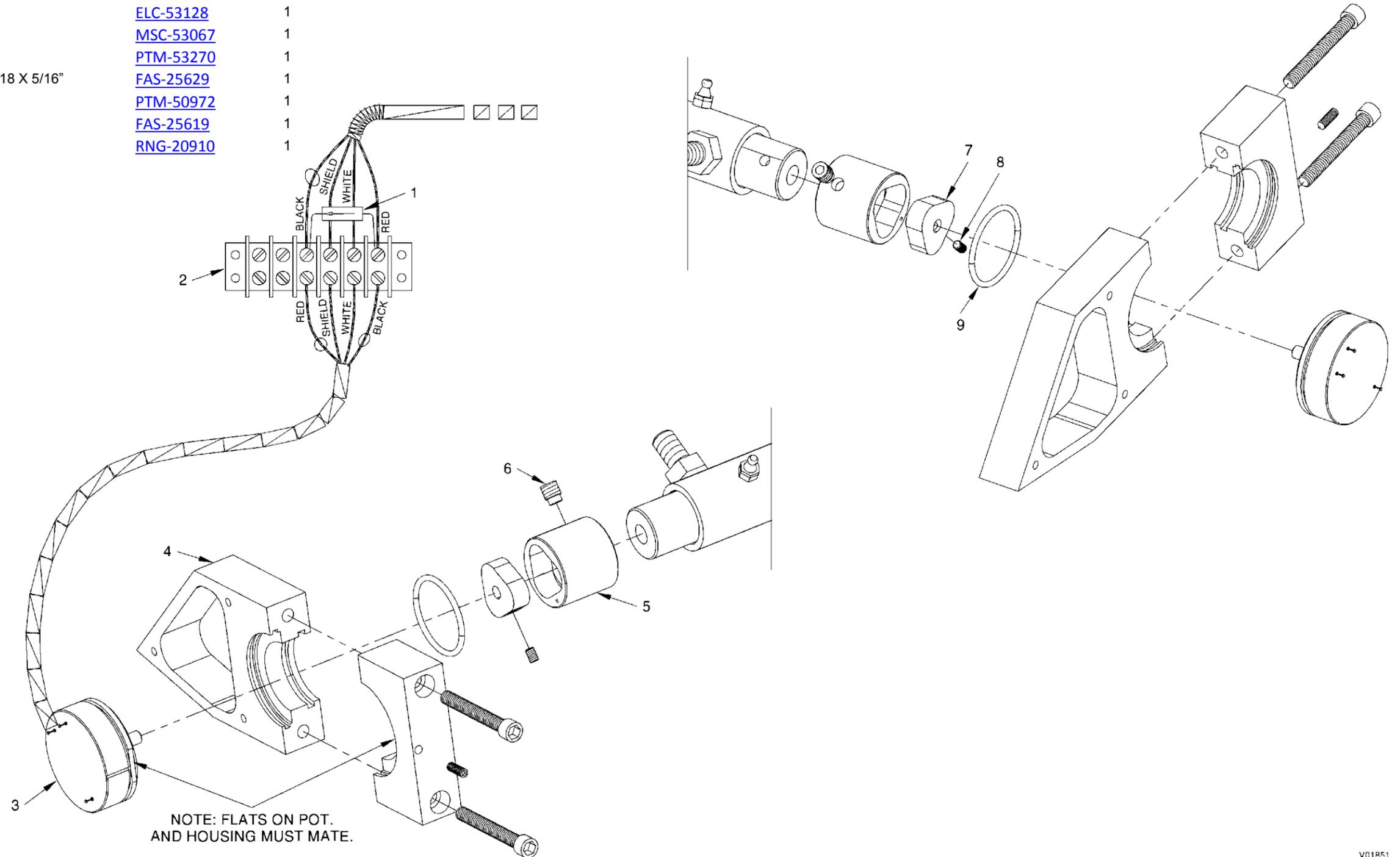
Item	Description	Part No.	Qty.
	Chip Box, Tandem		RF
1	Auger Motor	PMP-51625	1
2	Shaft, Auger Motor End	PTM-53105	1
3	Left-Hand Auger 14"	PTM-53130	1
	Right-Hand Auger 14"	PTM-53131	1
4	Shaft, Auger Bearing End	PTM-53106	1
5	Bearing Guard	GRD-53212	1
6	Proximity Switch Assembly	MTR-53213	1
7	Valve Box Assembly (See Figure 7-24 for Details)	HSG-53110	1
8	Spacer, Valve Box	BRK-53272	2
9	Quick Coupler, Female	FIT-60911	1
10	Quick Coupler, Male	FIT-60912	1
11	Bracket, Tow Bar, Quick Disconnect	BRK-53409	2
12	Support Track	BRK-53112	1
13	Chain	PTM-50834	1
14	Cover	PTM-50835	1
15	Bore Coupling 2 7/16"	PTM-50837	1
16	Modified Coupling	PTM-53065	1
17	Bracket, Auger Mount	BRK-53056	1
18	Air Tank	TNK-53080	1
19	Grizzly	GRD-53204	2
20	Runner, Bearing Load	PTM-53010	4
21	Snap Ring	FAS-53017	4
22	Scraper, Rock	GRD-53279	4
23	Chip Box Weldment	HSG-53010	1
24	Bearing 4-Bolt	PTM-51905	1
25	Spacer, Bearing	BRK-53057	1
26	Bearing Plate	BRK-53020	1
27	Seal	RNG-53068	2
28	Seal Support Bracket	BRK-53071	9
29	Modified Seal Bracket	BRK-53096	2
30	Gate Assembly 12"	MCH-53050	10
31	Hydraulic Motor Gear Box	PMP-53160	1
32	Retainer, Cam Motor	BRK-53069	1
33	Gate Cylinder Assembly	CYL-50919	10
34	Bushing	BRK-50738	20
35	Hex Bolt 1/2" - 20 X 1 1/4"	FAS-28911	20
	Flat Washer 7/16"	FAS-28635	20
36	Support Locator, Potentiometer	BRK-53109	1
37	Potentiometer Assembly (See Figure 7-22 for Details)	ELC-53322	1



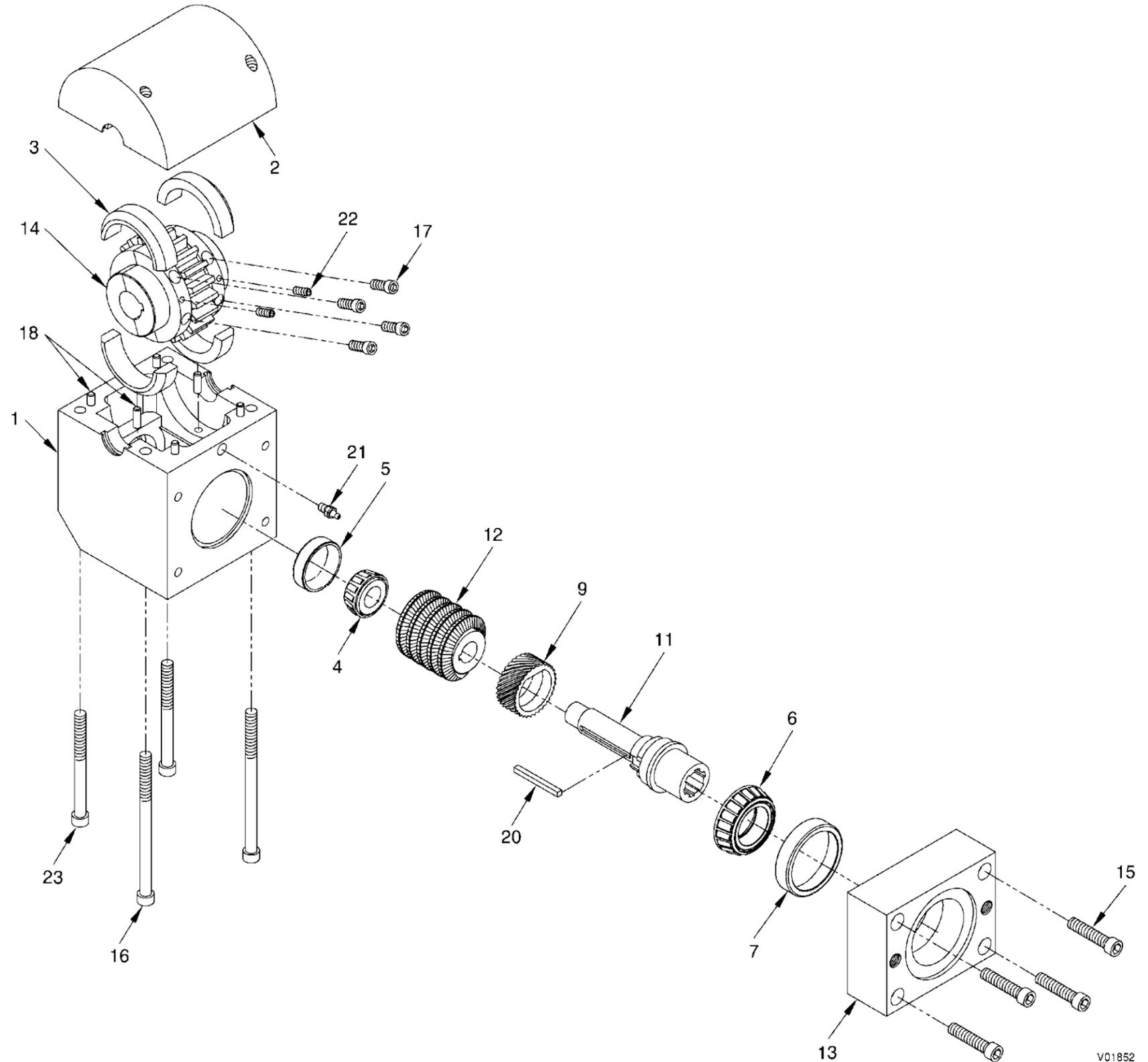
Item	Description	Part No.	Qty.
	Chip Box, Tandem		RF
38	Manifold Hydraulic, Return	MSC-53358	1
39	Retainer, Hose Guide	GRD-53374	1
40	Mount Cam/Gate	MCH-53052	10
41	Hex Bolt 3/4" – 10 X 5 1/2"	FAS-28997	10
	Nut Lock 3/4" – 10	FAS-28542	10
42	Hex Bolt 3/4" – 10 X 3 1/2"	FAS-28954	10
	Nut Lock 3/4" – 10	FAS-28542	10
43	Nut Hex 7/16" – 14	FAS-28503	20
	Lock-Washer 7/16"	FAS-28648	20
44	Cam Stop	BRK-53070	2
45	Gear Box Assembly (See Figure 7-23 for Details)	PTM-53377	1
46	Camshaft	MCH-53075	1
47	Guard, Potentiometer Barrier Strip	GRD-53127	1



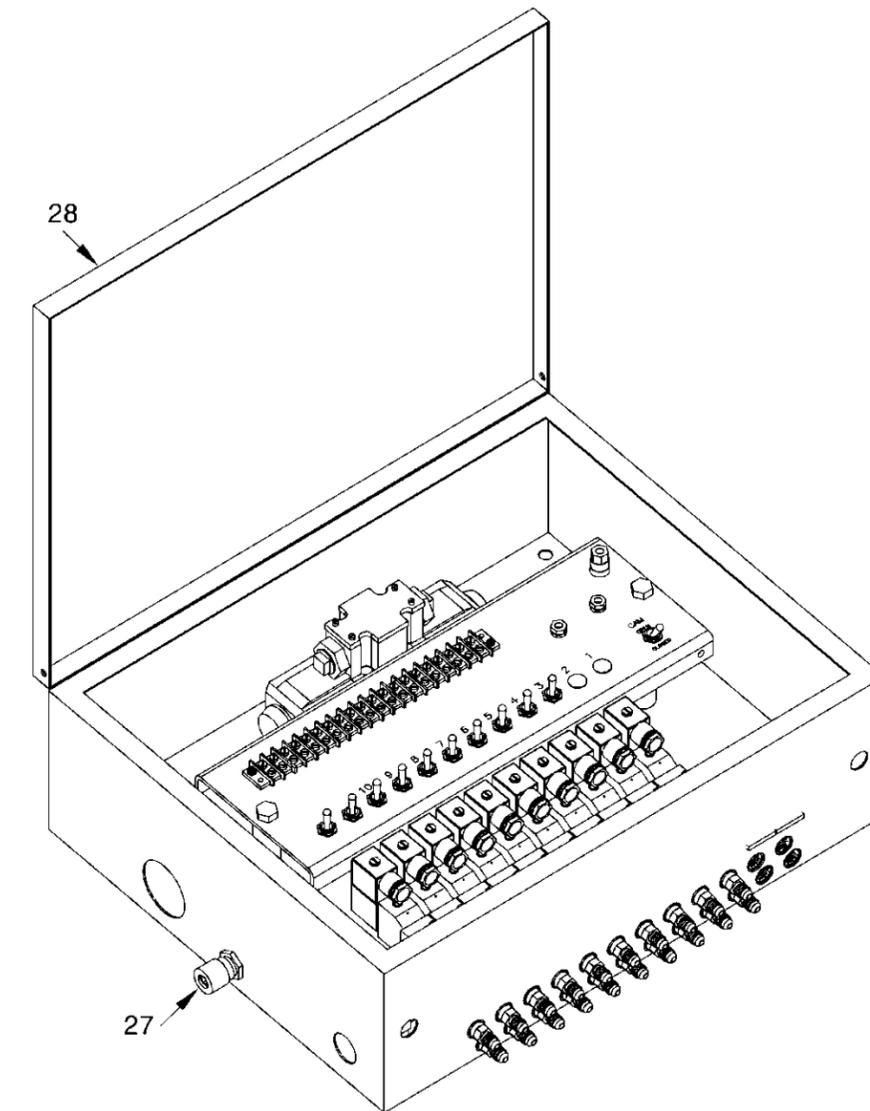
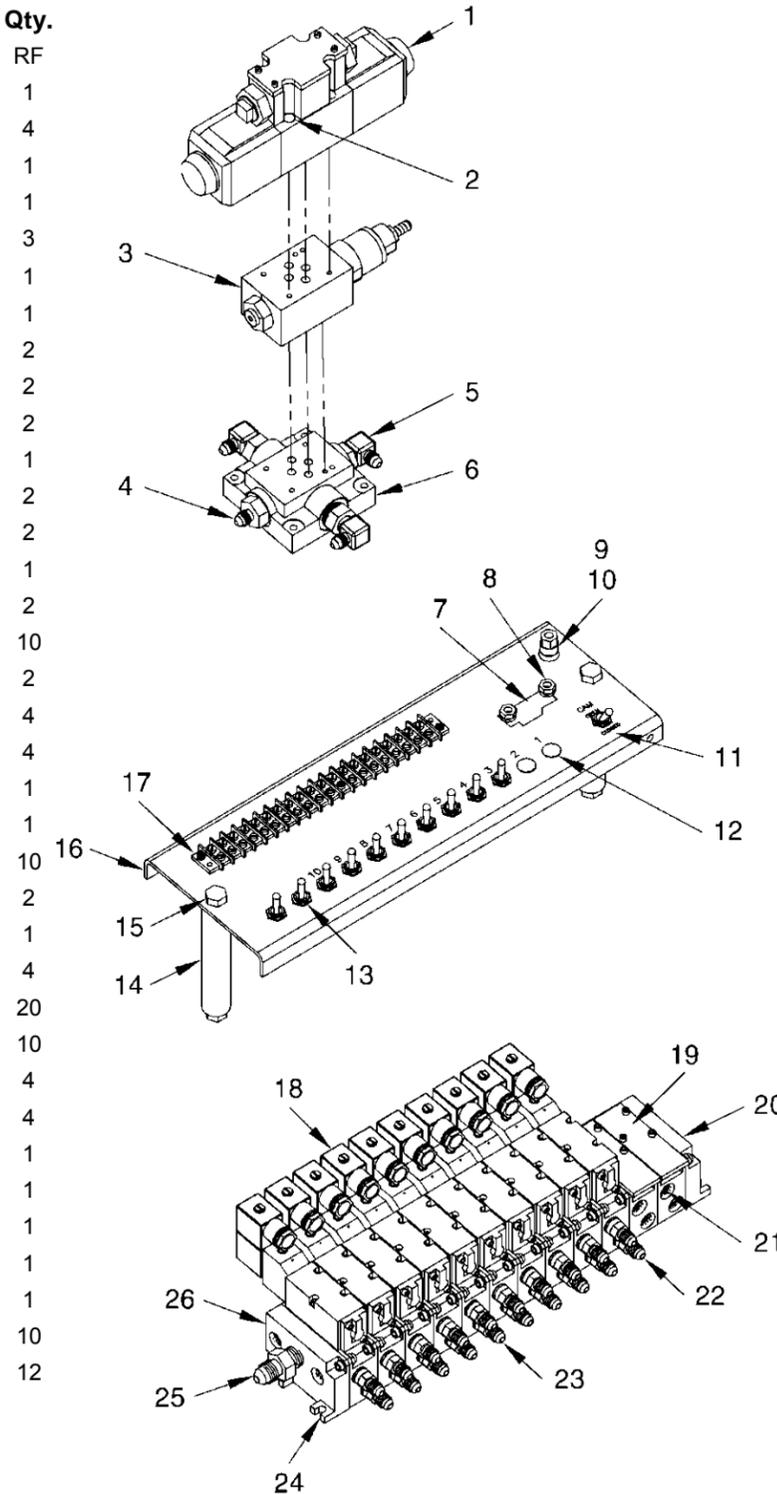
Item	Description	Part No.	Qty.
	Potentiometer Assembly		RF
1	Capacitor, Axial 100 MFD	ELC-24551	1
2	Barrier Strip, 6-Gang	ELC-24190	1
3	Potentiometer	ELC-53128	1
4	Housing, Potentiometer	MSC-53067	1
5	Coupling, Female Pot Drive	PTM-53270	1
6	Set Screw, Half Dog Point 5/16" – 18 X 5/16"	FAS-25629	1
7	Coupling, Male Pot Drive	PTM-50972	1
8	Soc. Hd. Set Screw 8 – 32 X 1/4"	FAS-25619	1
9	O-Ring 1 3/8" I.D.	RNG-20910	1



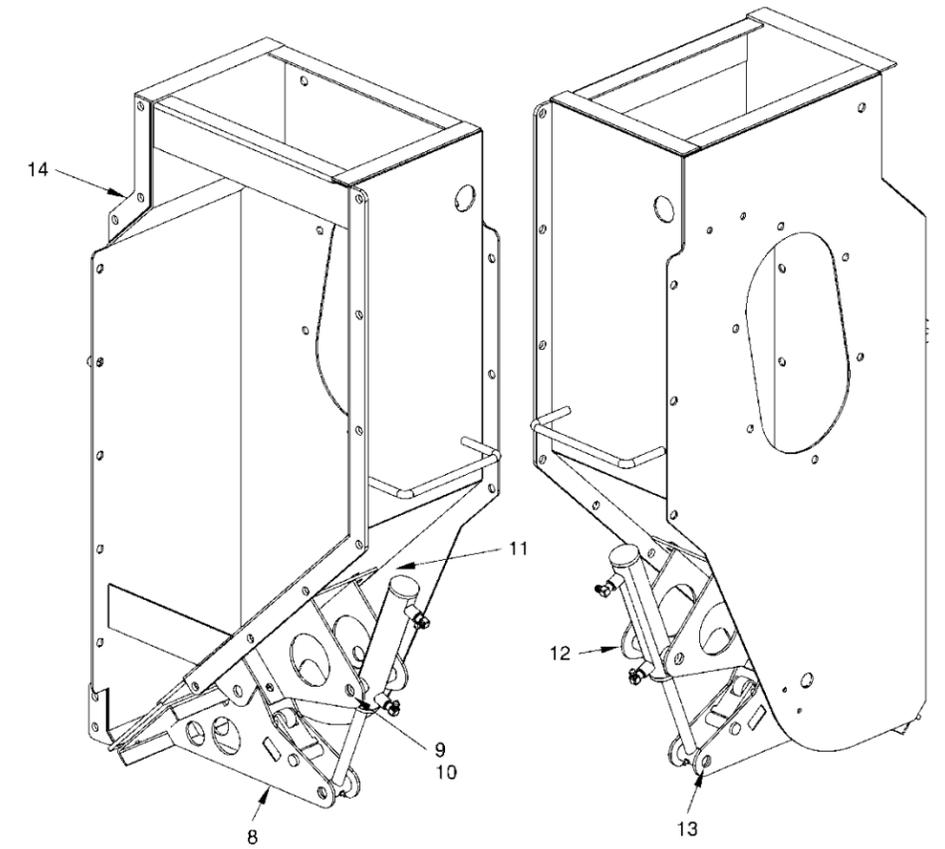
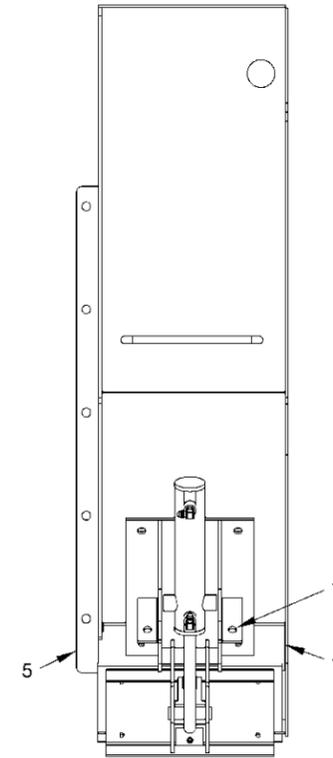
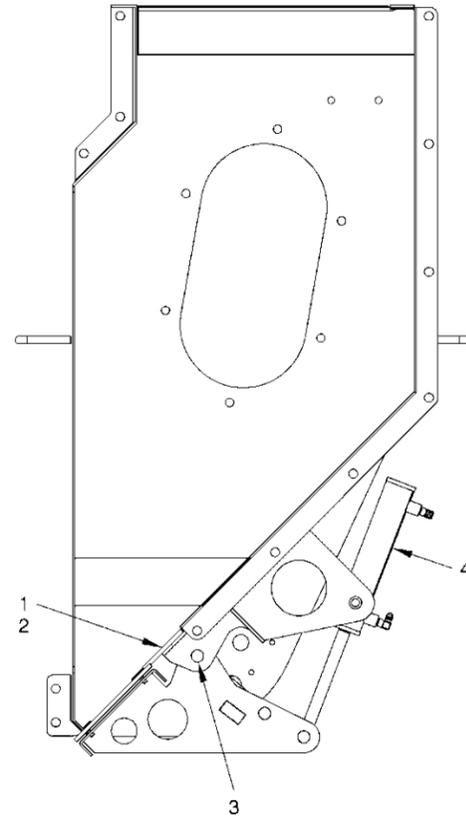
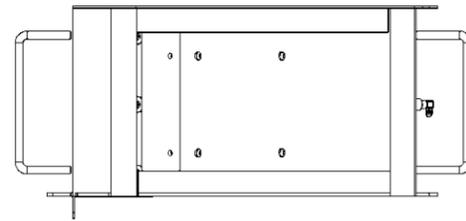
Item	Description	Part No.	Qty.
	Gear Box Assembly		RF
1	Gear Box Housing	HSG-50621	1
2	Face Gear Box Housing	HSG-50622	1
3	Gear Box Thrust Bearing Matched Pairs	PTM-53462	2
4	Bearing Gear Box #LM11949	PTM-50845	1
5	Bearing #11910 Cup	PTM-50846	1
6	Bearing Gear Box #48548	PTM-50847	1
7	Bearing #LM48510 Cup	PTM-50848	1
9	Speedo Gear Large 19 Tooth	PTM-50843	1
11	Shaft Worm Drive Gear Box	PTM-50856	1
12	Helix Angle Worm #WGA-1G For	PTM-53463	1
13	Motor Mount Gear Box	BRK-50855	1
14	Gear, Split	PTM-53461	1
15	Soc. Hd. Cap Screw 3/8" – 16 X 1 3/4"	FAS-25489	4
16	Soc. Hd. Cap Screw 3/8" – 16 X 5 1/2"	FAS-25496	2
17	Soc. Hd. Cap Screw 5/16" – 18 X 1"	FAS-25480	4
18	Dowel Pin 1/2" I.D. X 3/4"	FAS-25353	6
20	3/16" X 3/16" X 2" Key	STL-30951	1
21	1/8" Male Grease Zerk	2MP-Z	1
22	Soc. Hd. Set Screw 10 – 24 X 1/2"	FAS-25614	2
23	Soc. Hd. Cap Screw 3/8" – 16 X 4"	FAS-25499	2



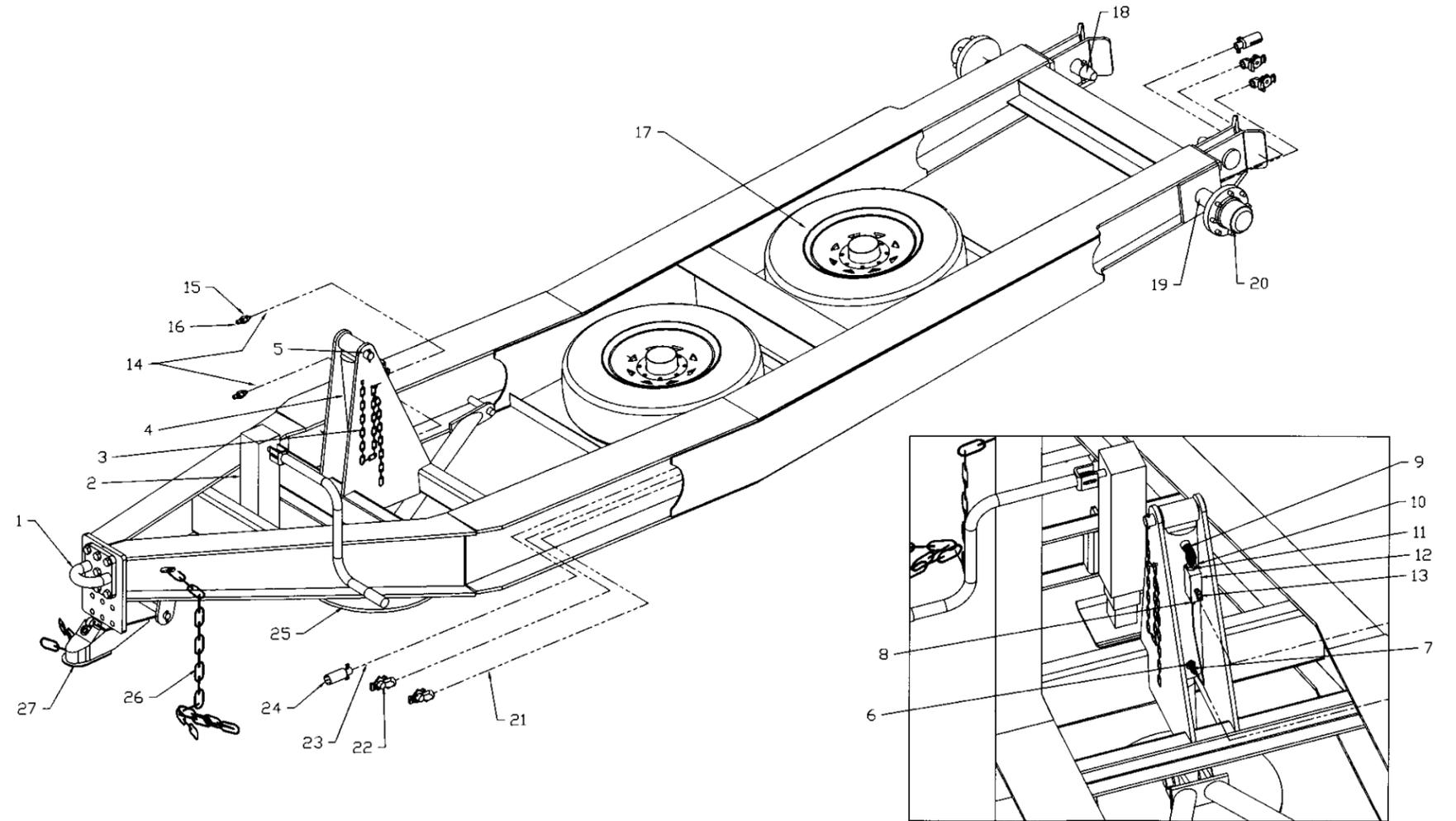
Item	Description	Part No.	Qty.
	Valve Box Assembly		RF
1	Hydraulic Valve Closed Center	VLV-51621	1
2	Soc. Hd. Screw 10 – 24 X 2 3/4"	FAS-25459	4
3	Pressure Reducing Valve	VLV-51929	1
4	Male Pipe	8MB-4MJ	1
5	90° Male Pipe	90D8MB-4MJ	3
6	Manifold, Sub Plate	VLV-51613	1
7	30 Amp Circuit Breaker	ELC-24290	1
8	Screw 8 – 32 X 1/2"	FAS-25813	2
	Nut Hex 8 – 32	FAS-25856	2
9	Insulator	ELC-50152	2
10	Brass Screw 10 – 24 X 1 1/2"	FAS-25845	1
	Brass Flat Washer	FAS-28616	2
	Brass Jam Nut 10 – 24	FAS-28571	2
11	Switch, Mom – Off – Mom	ELC-24274	1
12	Chrome Plug	FIT-24219	2
13	Switch, On/Off Single Pole	ELC-24275	10
14	Spacer	BRK-53116	2
15	Hex Bolt 3/8" – 16 X 3/4"	FAS-28730	4
	Lock-Washer 3/8"		4
16	Switch Panel	HSG-53115	1
17	20 Lug Barrier Strip	ELC-24220	1
18	Din Connector	ELC-24416	10
19	Blank Cover C-7	MSM-50899	2
20	Soc. Hd. Plug 3/8"	FIT-28297	1
21	Soc. Hd. Plug 1/4"	FIT-28296	4
22	Male Pipe	4MJ-4MP	20
23	Valve Assembly, 12 Station	VLV-50917	10
24	Hex Bolt 1/4" – 20 X 3/4"	FAS-28701	4
	Nut Hex 1/4" – 20	FAS-28500	4
25	Male Pipe	8MJ-6MP	1
26	End Plate Set	VLV-50900	1
27	Connector Strain Relief 1/2"	ELC-24420	1
	Locknut	FAS-24170	1
28	Modified Box	HSG-53111	1
	4 way Versa Valve	VLV-50902	10
	Valve to Manifold Gasket	RNG-27266	12



Item	Description	Part No.	Qty.
	Chip Box Extension		RF
1	Seal 1'	RNG-54059	1
2	Hex Bolt 5/16" – 18 X 1 1/4"		2
	Lock-Washer 5/16"		2
	Nut Hex 5/16" – 18		2
3	Hex Bolt 3/4" – 10 X 5 1/2"		1
	Nut Lock 3/4" – 10		1
4	Cylinder	CYL-50919	1
5	Camshaft 1'	MCH-54048	1
6	Riser, Seal Support	BRK-21447	2
7	Nut Hex 7/16" – 14		2
	Lock-Washer 7/16"		2
8	Gate Assembly 12"	MCH-53030	1
9	Bushing	BRK-50738	1
10	Hex Bolt 1/2" – 20 X 1 1/4"		1
	Flat Washer 7/16"		2
11	Plate Base	HSG-54058	1
12	Mount Cam/Gate	MCH-53052	1
13	Hex Bolt 3/4" – 10 X 3 1/2"		1
	Nut Lock 3/4" – 10		1
14	Extension Weldment 1'	HSG-54049	1



Item	Description	Part No.	Qty.
	Tow Bar Assembly		RF
1	Pintle Eye	MSC-51961	1
2	Drop Leg Jack	MSC-51960	1
3	Safety Chain Lift Cylinder Shoe	BRK-60829	1
4	4" X 20" Stroke Hydraulic Cylinder	CYL-51962	1
5	Tow Bar Cylinder Top & Bottom Pins	BRK-60825	2
6	Bushing Hex 1/2" X 1/4"	FIT-28344	1
7	Tee 1/4" Male Jic X 1/4" Male Jic X 1/4" Male Pipe	T4MJ-4MJ-4MP	1
8	1/4" Male Jic X 1/4" Male Pipe	4MJX4MP	1
9	Elbow Pipe Street 1/2"	FIT-28238	1
10	Bushing Hex 1/2" X 1/4"	FIT-28344	1
11	Nipple 1/4" X Close Sch. 80	FIT-28001	1
12	Lock Out Valve	VLV-22319	1
13	90° 1/4" Male Jic X 1/4" Male Pipe	90D4MJ-4MP	1
14	Hydraulic Supply Line Assembly	PIP-60844	1
15	3/8" Male O-Ring X 1/4" Male Jic	6MB-4MJ	2
16	Quick Disconnect Male HP 1/4" X 6 Mor	FIT-29632	2
17	Wheel & Tire Assembly	MSC-80087	2
	Rim Assembly White Rim 16.5 X 6.75 Spoked 8-6.5	MSC-80126	2
	Tire 9.50-16.5 10 Ply Radial	MSC-80127-T	2
18	2" Tow Bar Chipper Pin	BRK-60823	2
	Clip Click Pin Spring Loaded	FAS-60821	2
19	Spindle Assembly	BRK-60832	2
20	Hub Assembly	PTM-51964	2
21	Air Supply Line Assembly	PIP-60842	2
22	Glad Hands	ELC-22375	2
23	Trailer Cord Assembly Chipper Tow Bar	ELC-60840	2
24	Plug Trailer 7-Cond.	ELC-24246	2
25	Hydraulic Cylinder Shoe	BRK-60787	1
26	Safety Chain Tow Bar	BRK-60828	2
27	Swing Away Hitch Assembly	MCH-60796	1



PAT #	PAT #	
4,979,560	5,038,470	OTHER PAT PEND
4,981,170	5,042,572	INTERNATIONAL PAT PEND

