

KJ520

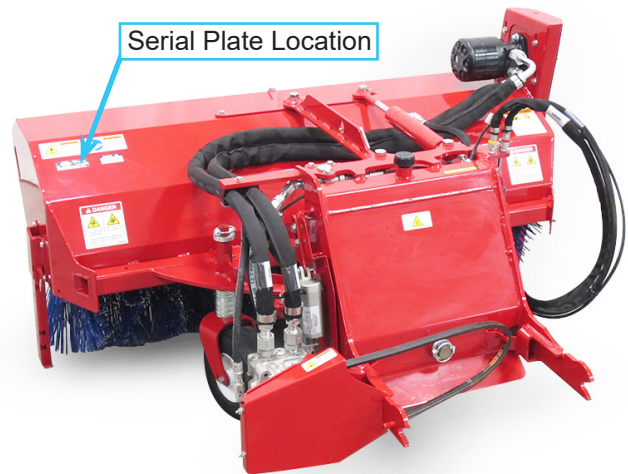
Power Broom





500 Venture Drive
Orrville Oh 44667
www.ventrac.com

Serial Number Description



Notes

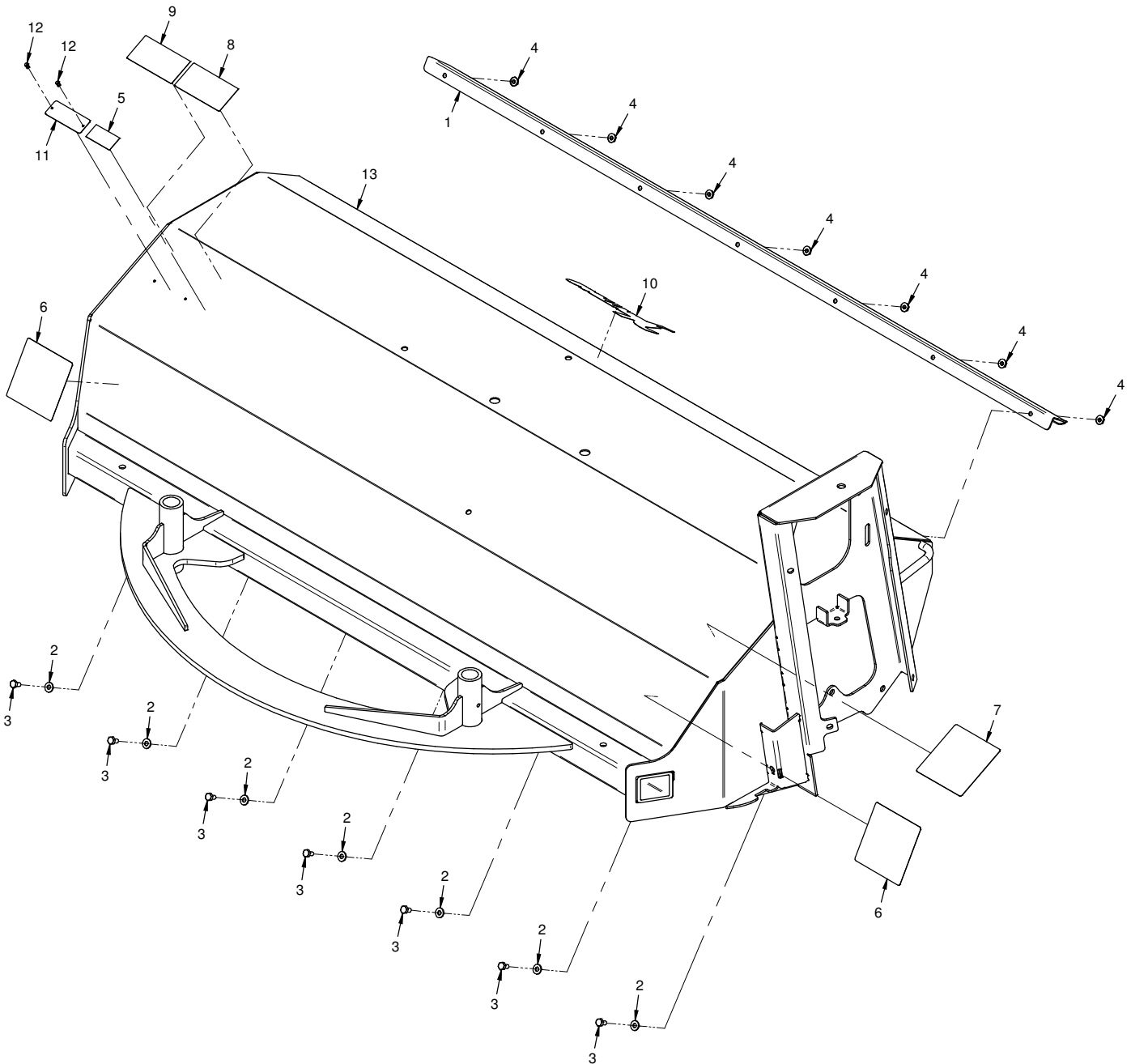
- If any component requires replacement, use only original Ventrac replacement parts.
- When ordering new components, be sure to order all required safety decals. All current safety decals must be affixed to the replacement components prior to installation of the component.

TABLE OF CONTENTS

PARTS	PAGE 4
Brush Shroud Frame & Deflector	4
Wheels & Storage Stands	6
Broom Angle & Pivot	8
Hitch Frame & Pump Mount.....	10
Rotor & Brush Wafers	12
Motor Mount & Rotor Drive	14
Hydraulic Drive Circuit.....	16
70.8211 Optional 12V Actuator	18
70.8264 Broom Gauge Wheels Kit.....	20

PARTS

ILLUSTRATED DRAWING Brush Shroud Frame & Deflector



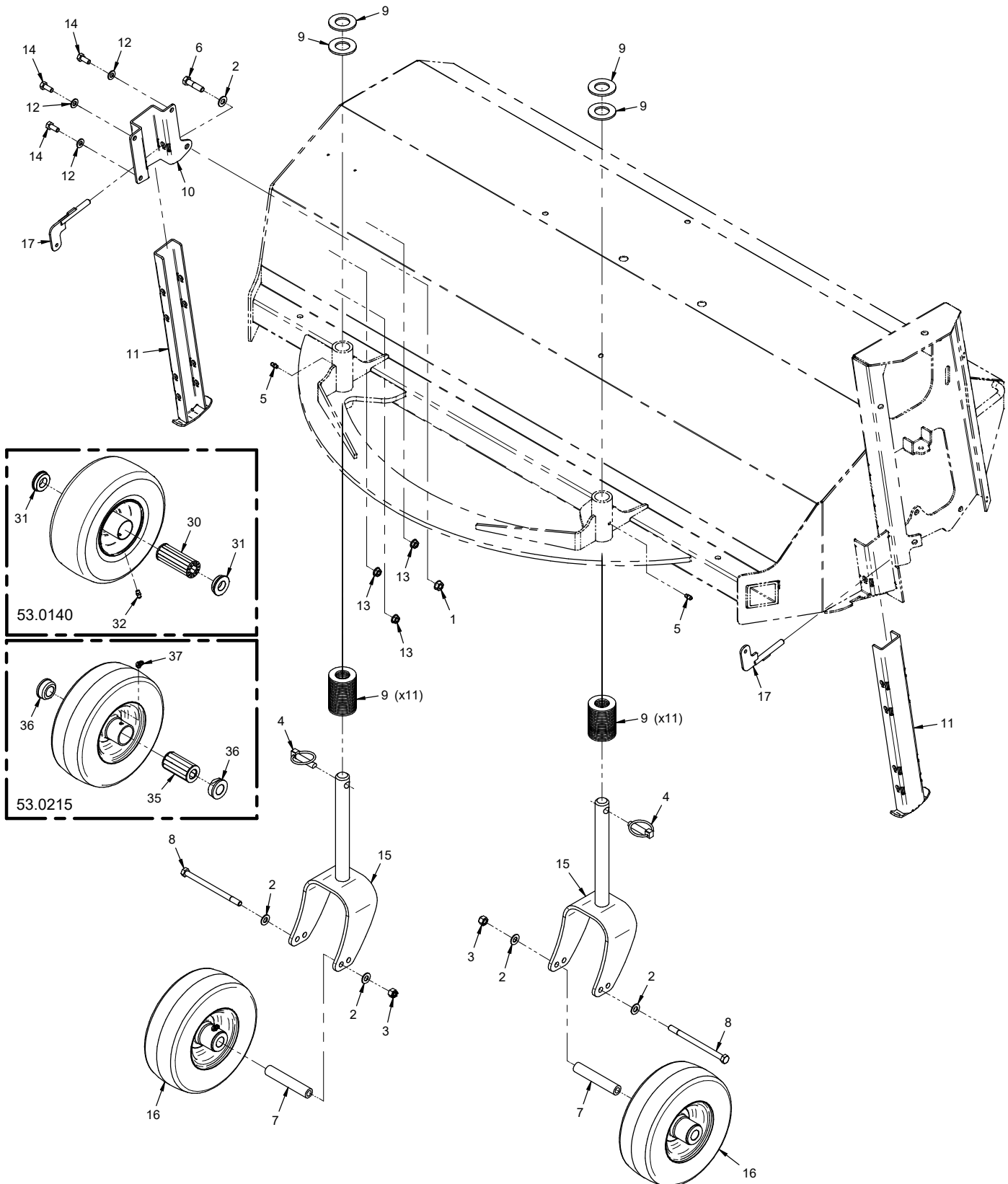
PARTS

Brush Shroud Frame & Deflector

REF.	PART NO.	DESCRIPTION	QTY.
1	KJ-1011	Deflector, Front	1
2	95.04-3	Washer, Flat 1/4 SAE SS	7
3	90.0404-3	Bolt, 1/4-20 USS x 1/2 SS	7
4	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	7
5	00.0770	Decal, Made In USA	1
6	00.0102	Decal, Danger - Pinching Hazard (Serial # 01001-01760)	2
6	00.0620	Decal, Pinching or Crushing Hazard (Serial # 01761-)	2
7	00.0103	Decal, Hazard - High Press. Fluid (Serial # 01001-01760)	1
7	00.0621	Decal, High Pressure Fluid Hazard (Serial # 01761-)	1
8	00.0217	Decal, Warning Read Owners Man (Serial # 01001-01760)	1
8	00.0619	Decal, Read Operator's Manual (Serial # 01761-)	1
9	00.0220	Decal, General Safety (Serial # 01001-01760)	1
9	00.0632	Decal, Moving Parts Hazard (Serial # 01761-)	1
10	00.0383	Decal, Ventrac	1
11	N/A	Plate, Ventrac Serial Number	1
12	04.0029	Rivet, Pop 1/8" X 1/4" SS	2
13	KJ-6014	Frame, Brush Shroud	1

PARTS

ILLUSTRATED DRAWING Wheels & Storage Stands



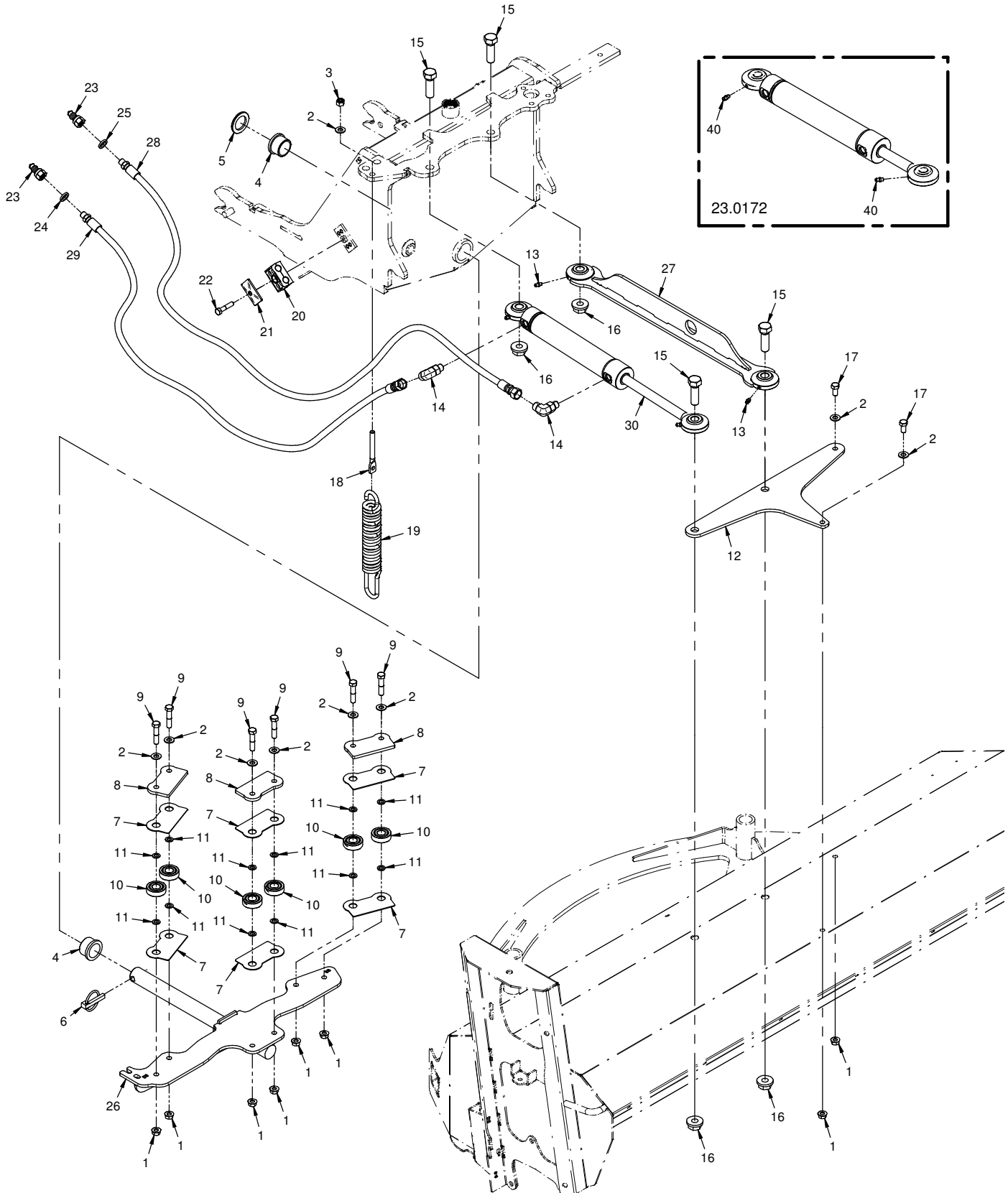
PARTS

Wheels & Storage Stands

REF.	PART NO.	DESCRIPTION	QTY.
1	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	1
2	95.06-3	Washer, Flat 3/8 SAE SS	5
3	99.A06N-3	Locknut, Nylon 3/8-16 SS	2
4	03.0005	Pin, Linch	2
5	29.GF0001	Grease Ftg, 1/4 SAE ST	2
6	90.0612-3	Bolt, 3/8-16 USS x 1-1/2 SS	1
7	50.0055	Tube, Axle-Wheel LM	2
8	90.0644-3	Bolt, 3/8-16 USS x 5-1/2 SS	2
9	95.16	Washer, Flat 1 SAE	48
10	KJ-1057	Bracket, Left Storage Stand	1
11	KJ-1066	Stand, Storage	2
12	95.05-3	Washer, Flat 5/16 SAE SS	3
13	99.SF05-3	Nut, SRF 5/16-18 USS Stainless	3
14	90.0506-3	Bolt, 5/16-18 USS x 3/4 SS	3
15	KJ-6011	Spindle, Wheel Swivel	2
16	53.0140	Wheel, Asm 9 x 3.5 x4 Flatfree (Serial # 01001-01688)	2
16	53.0215	Wheel, Asm 9 x 3.5 x4 Flatfree (Serial # 01689-)	1
17	KJ-6022	Pin, Jack Stand	2
30	55.0071	Bearing, Roller 3.25" Long	1
31	55.0072	Bearing, Retainer 3/4"	2
32	29.GF0001	Grease Ftg, 1/4 SAE ST	1
35	55.0115	Bearing, Roller 2.50" Long	1
36	55.0114	Retainer, Roller Bearing 3/4"	2
37	29.GF0003	Grease Ftg, 1/4 SAE 45	1

PARTS

ILLUSTRATED DRAWING Broom Angle & Pivot



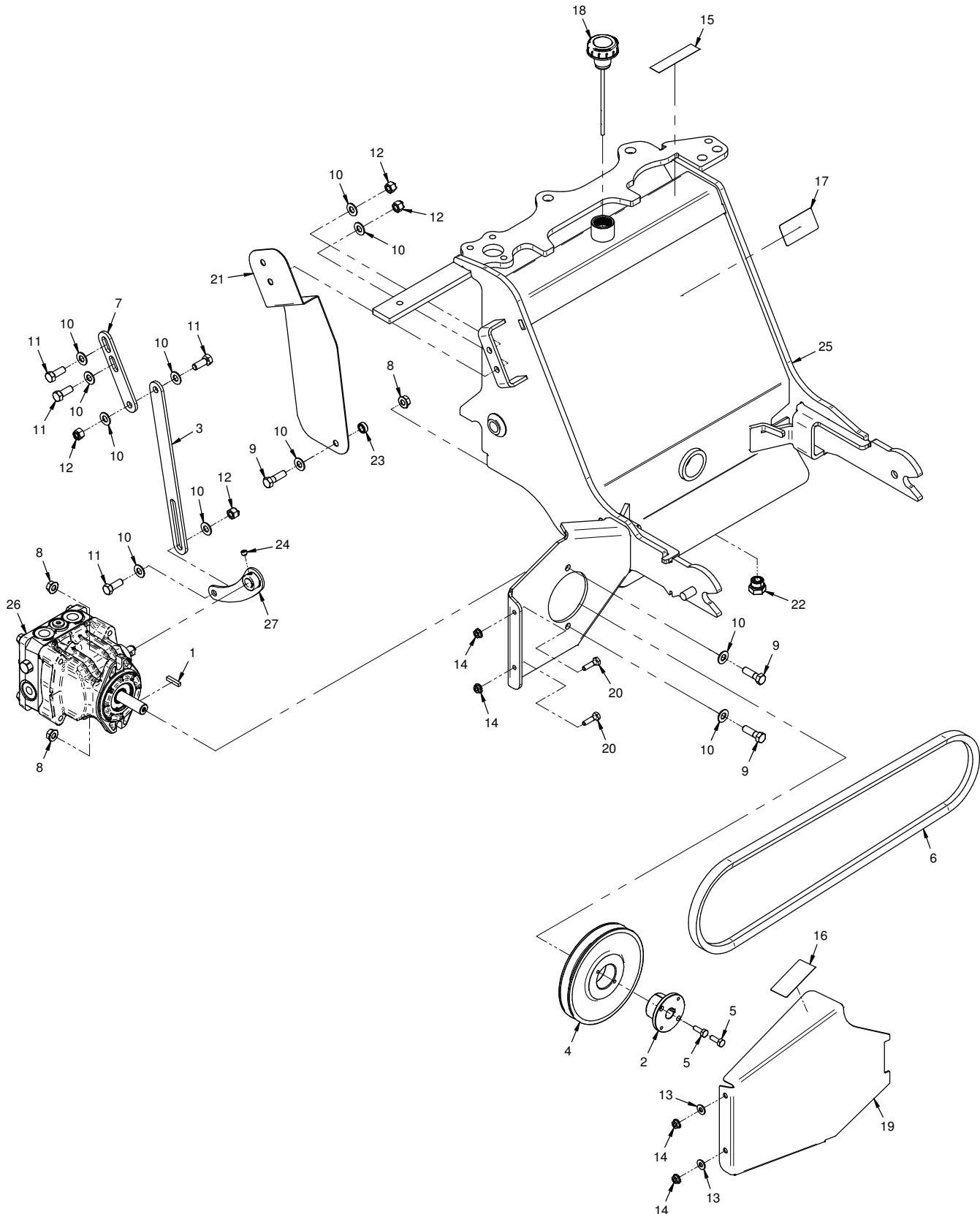
PARTS

Broom Angle & Pivot

REF.	PART NO.	DESCRIPTION	QTY.
1	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	8
2	95.06-3	Washer, Flat 3/8 SAE SS	9
3	99.A06N-3	Locknut, Nylon 3/8-16 SS	1
4	85.B0060	Bushing, 1-1/4 ID x 1-1/2 OD 1	2
5	99.B0024-2	Washer, Mach 1-1/4 x 1-7/8 10 GA	1
6	03.0005	Pin, Linch	1
7	NJ-1009	Slide, Broom Pivot	6
8	NJ-1003	Clamp, Broom Pivot Guide	3
9	90.0614-3	Bolt, 3/8-16 USS x 1-3/4 SS	6
10	55.0103	Bearing, Ball .375" ID x 40mm OD	6
11	99.B0125	Shim, .375 ID x .625 OD x .090T SS	12
12	KJ-1114	Plate, Pivot Reinforcement	1
13	29.GF0001	Grease Ftg, 1/4 SAE ST	2
14	25.FF6801-06-06-CP	Fitting, 90 Elbow - 6MFF X 6MB	2
15	90.1016	Bolt, 5/8-11 USS x 2	4
16	99.E0094	Locknut, 5/8-11 Flanged Stover	4
17	90.0606-3	Bolt, 3/8-16 USS x 3/4SS	2
18	99.K0094	Bolt, Hanger 3/8-16 X 4	1
19	41.0128	Spring, Ext. 1.5 OD x 9.925 L	1
20	44.0256	Clamp, HYD Hose 12.7MM ID GRN	1
21	44.0229	Cover Plate, 2D Group	1
22	90.0512-3	Bolt, 5/16-18 USS x 1-1/2 SS	1
23	23.0104	Coupler, Quick Male 1/4	2
24	05.0116	Washer, .544 ID x .817 x .14 Red	1
25	05.0117	Washer, .544 ID x .817 x .14 Yel	1
26	KJ-6016	Frame, Broom Pivot	1
27	KJ-6007	Link, Swivel Upper Pivot	1
28	20.0366	Hose, 1/4x59.00 SAE 100R17AR	1
29	20.0367	Hose, 1/4x48.00 SAE 100R17AR	1
30	23.0172	Cylinder, 1-1/2" X 8"	1
40	29.GF0001	Grease Ftg, 1/4 SAE ST	2

PARTS

ILLUSTRATED DRAWING Hitch Frame & Pump Mount



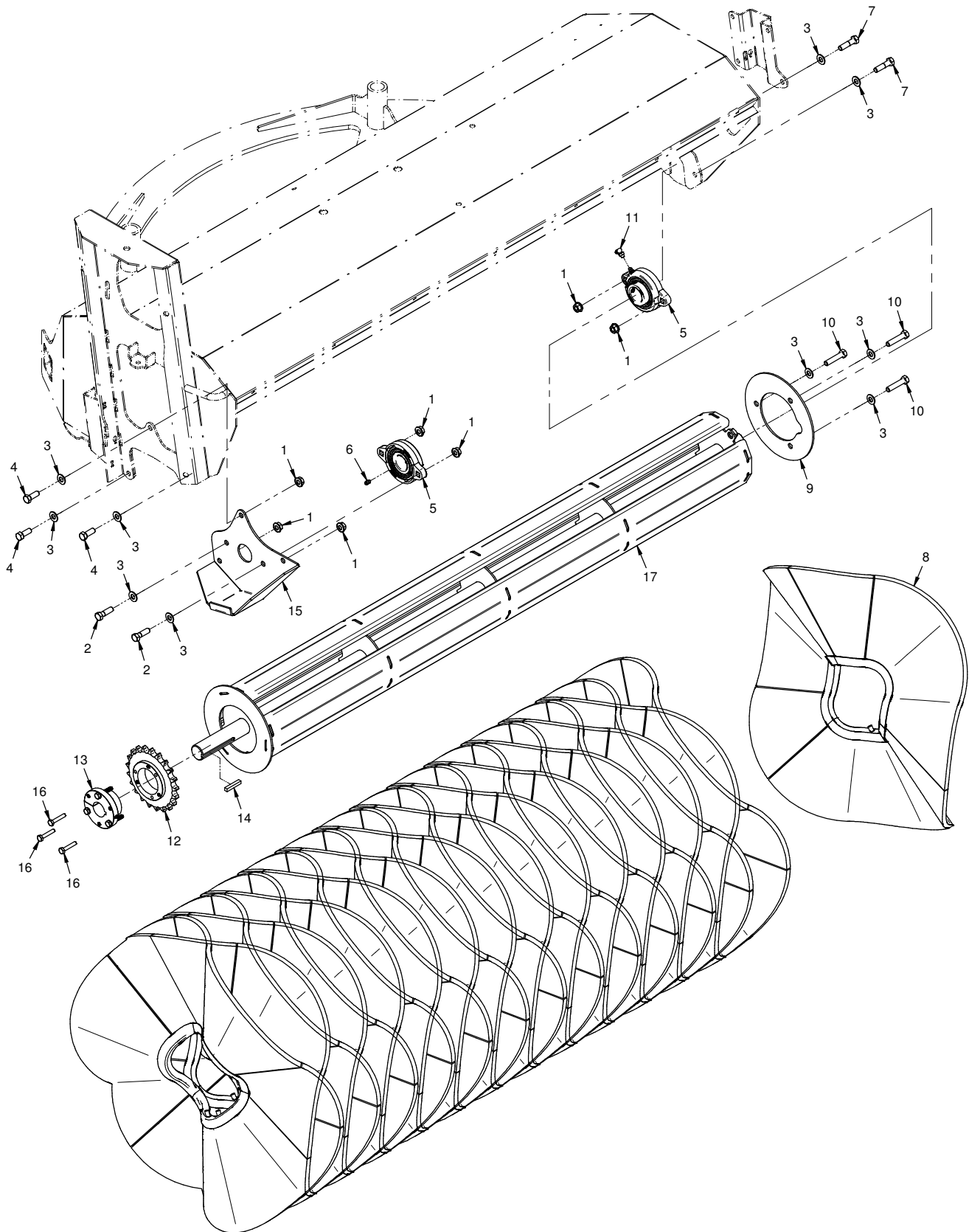
PARTS

Hitch Frame & Pump Mount

REF.	PART NO.	DESCRIPTION	QTY.
1	85.K508	.Key, 5mm Sq x 1"	1
2	83.H17M	.Bushing, 17mm H.	1
3	KJ-1150	.Link, Manual Pump Control	1
4	83.BK65H	.Pulley, 6.5" H-Bushing	1
5	90.0406	.Bolt, 1/4-20 USS x 3/4"	2
6	81.B051	.Belt, B51	1
7	KJ-1113	.Mount, Pump Actuator Link	1
8	99.SF06-3	.Nut, SRF 3/8-16 USS Stainless	3
9	90.0610-3	.Bolt, 3/8-16 USS x 1-1/4 SS	3
10	95.06-3	.Washer, Flat 3/8 SAE SS	11
11	90.0608-3	.Bolt, 3/8-16 USS x 1 SS	4
12	99.A06N-3	.Locknut, Nylon 3/8-16 SS	4
13	95.04-3	.Washer, Flat 1/4 SAE SS	2
14	99.SF04-3	.Nut, SRF 1/4-20 USS Stainless	4
15	00.0148	.Decal, Hyd. Oil 3-7/16 x 3/4	1
16	00.0216	.Decal, Warning Moving Parts (Serial # 01001-01760)	1
16	00.0631	.Decal, Finger/Hand Entanglement (Serial # 01761-)	1
17	00.0374	.Decal, Hot Surface	1
18	23.0175	.Dipstick, Asm 5-1/4	1
19	KJ-1119	.Shield, Drive Pulley	1
20	90.0408-3	.Bolt, 1/4-20 USS x 1 SS	2
21	KJ-1120	.Shield, Actuator Heat	1
22	25.6408-08-CP	.Fitting, Plug 8MB	1
23	64.0602	.Bushing, 3/8 x 5/8 x .265	1
24	85.SS31	.Set Screw, 5/16-24 x 3/8" SS	1
25	KJ-6013	.Frame, Hitch / Hyd Tank Main	1
26	21.0145	.Pump, Hyd. Hydrogear	1
26	89.0118	.KIT, SEAL FOR 21.0145 PUMP	1
27	KJ-6017	.Lever, Pump Control	1

PARTS

ILLUSTRATED DRAWING Rotor & Brush Wafers



PARTS

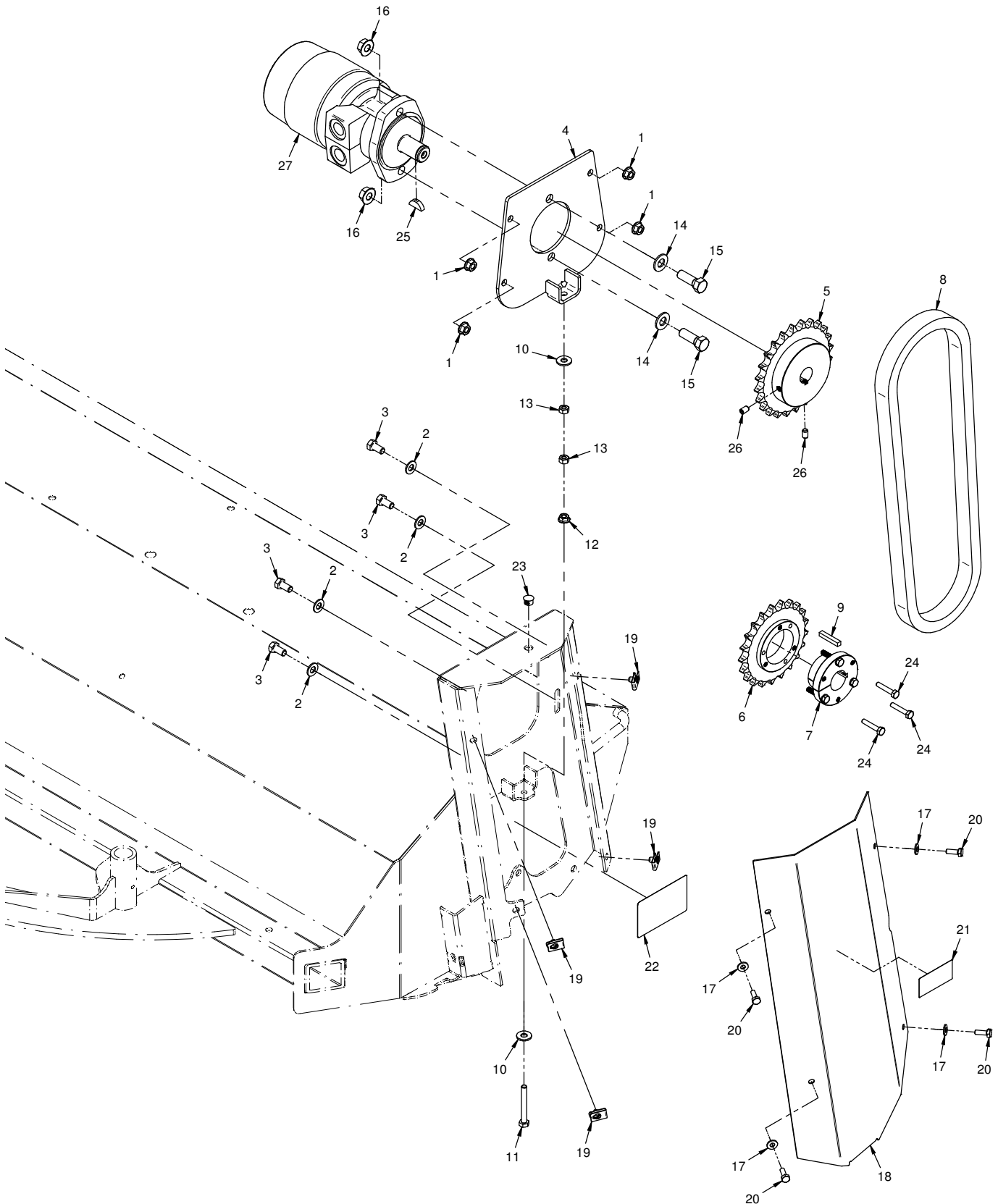
Rotor & Brush Wafers

REF.	PART NO.	DESCRIPTION	QTY.
1	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	7
2	90.0610-3	Bolt, 3/8-16 USS x 1-1/4 SS	2
3	95.06-3	Washer, Flat 3/8 SAE SS	10
4	90.0608-3	Bolt, 3/8-16 USS x 1 SS	3
5	55.FB16020	Bearing, Flange Block 1-1/4"	2
6	29.GF0001	Grease Ftg, 1/4 SAE ST	1
7	90.0612-3	Bolt, 3/8-16 USS x 1-1/2 SS	2
8	79.0118	Brush, Wafer 24" Poly	28*
9	KJ-1064	Clamp, Brush Wafer	1
10	90.0614-23	Bolt, 3/8-16 x 1-3/4 All Thrd SS	3
11	29.GF0002	Grease Ftg, 1/4 SAE 90	1
12	83.60SDS21	Sprocket, #60 21-T SDS Bushing	1
13	83.SDS20	Bushing, 1 1/4" SDS	1
14	85.K0412	Key, 1/4 X 1-1/2	1
15	KJ-1055	Cover, Brush Drive Bottom	1
16	90.0411-2	Bolt, 1/4-20 x 1-3/8" Tap	3
17	KJ-6006	Frame, Brush Rotor	1

*as needed

PARTS

ILLUSTRATED DRAWING Motor Mount & Rotor Drive



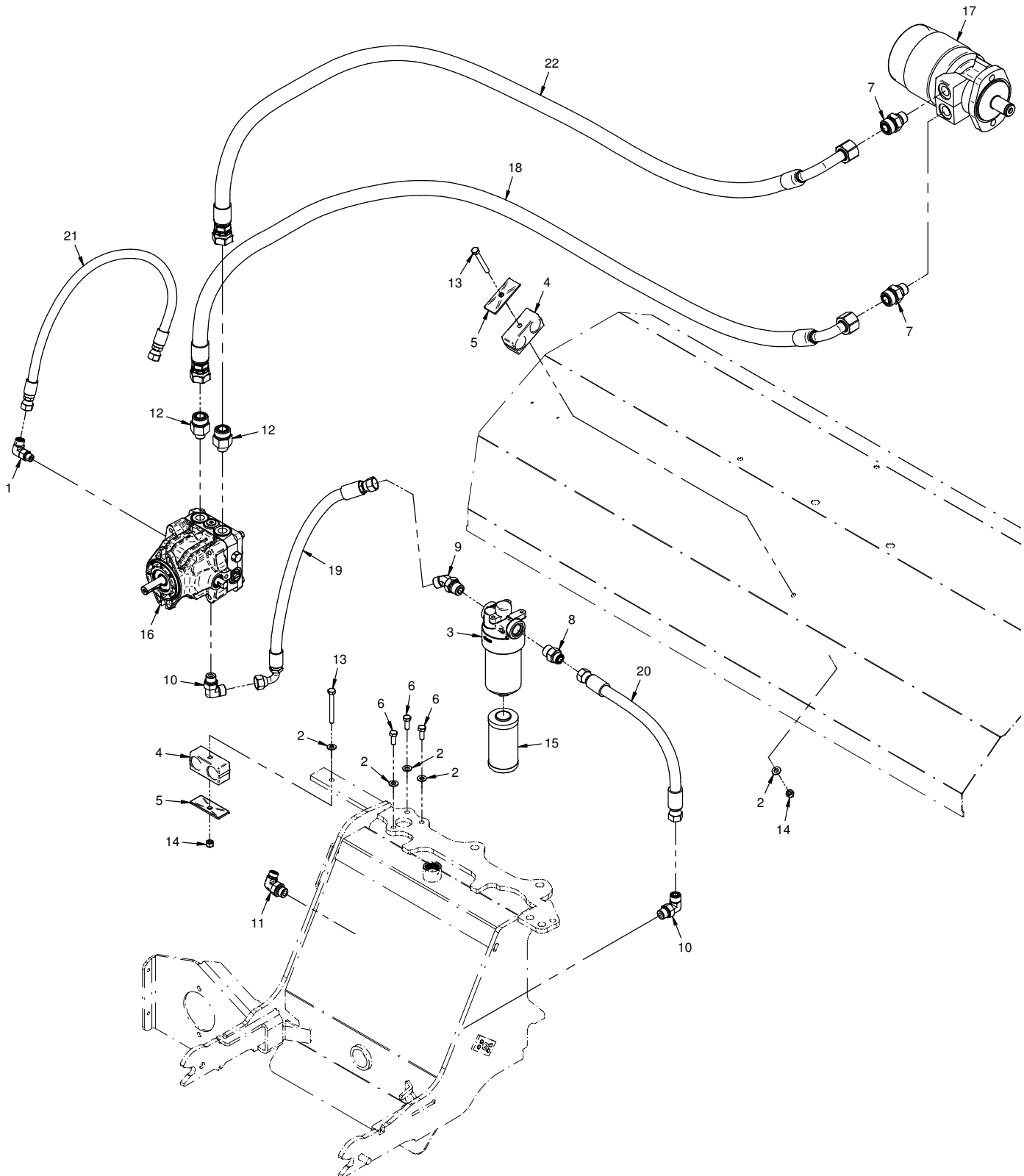
PARTS

Motor Mount & Rotor Drive

REF.	PART NO.	DESCRIPTION	QTY.
1	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	4
2	95.06-3	Washer, Flat 3/8 SAE SS	4
3	90.0606-3	Bolt, 3/8-16 USS x 3/4SS	4
4	KJ-1036	Plate, Motor Mount	1
5	83.602416	Sprocket, #60 24-T 1" Bore	1
6	83.60SDS21	Sprocket, #60 21-T SDS Bushing	1
7	83.SDS20	Bushing, 1 1/4" SDS	1
8	81.0182	Chain, Roller #60 x 48"	1
9	85.K0412	Key, 1/4 X 1-1/2	1
10	94.05	Washer, Flat 5/16 USS	2
11	90.0520-2	Bolt, 5/16-18 x 2-1/2" All Thread	1
12	99.SF05	Nut, SRF 5/16-18 USS	1
13	92.05	Nut, 5/16-18 USS	2
14	95.08	Washer, Flat 1/2 SAE	2
15	90.0812	Bolt, 1/2-13 USS x 1-1/2	2
16	99.SF08	Nut, SRF 1/2-13 USS	2
17	95.04-3	Washer, Flat 1/4 SAE SS	4
18	KJ-1010	Cover, Brush Drive	1
19	99.E0046	Nut, "U" 1/4-20 Extruded	4
20	90.0406-3	Bolt, 1/4-20 USS x 3/4 SS	4
21	00.0216	Decal, Warning Moving Parts (Serial # 01001-01760)	1
21	00.0631	Decal, Finger/Hand Entanglement (Serial # 01761-)	1
22	00.0492	Decal, Shield Missing (Serial # 01001-01760)	1
22	00.0625	Decal, Shield Missing (Serial # 01761-)	1
23	05.0070	Plug, 1/2" Hole, Nylon	1
24	90.0411-2	Bolt, 1/4-20 x 1-3/8" Tap	3
25	85.W0408	Key, Woodruff 1/4 x 1	1
26	85.SS16	Set Screw, 5/16-18 x 1/2	2
27	21.0146	Motor, Hyd. Parker	1

PARTS

ILLUSTRATED DRAWING Hydraulic Drive Circuit



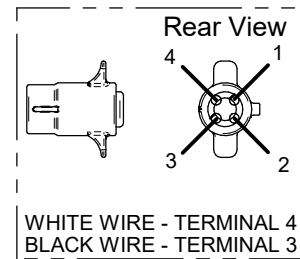
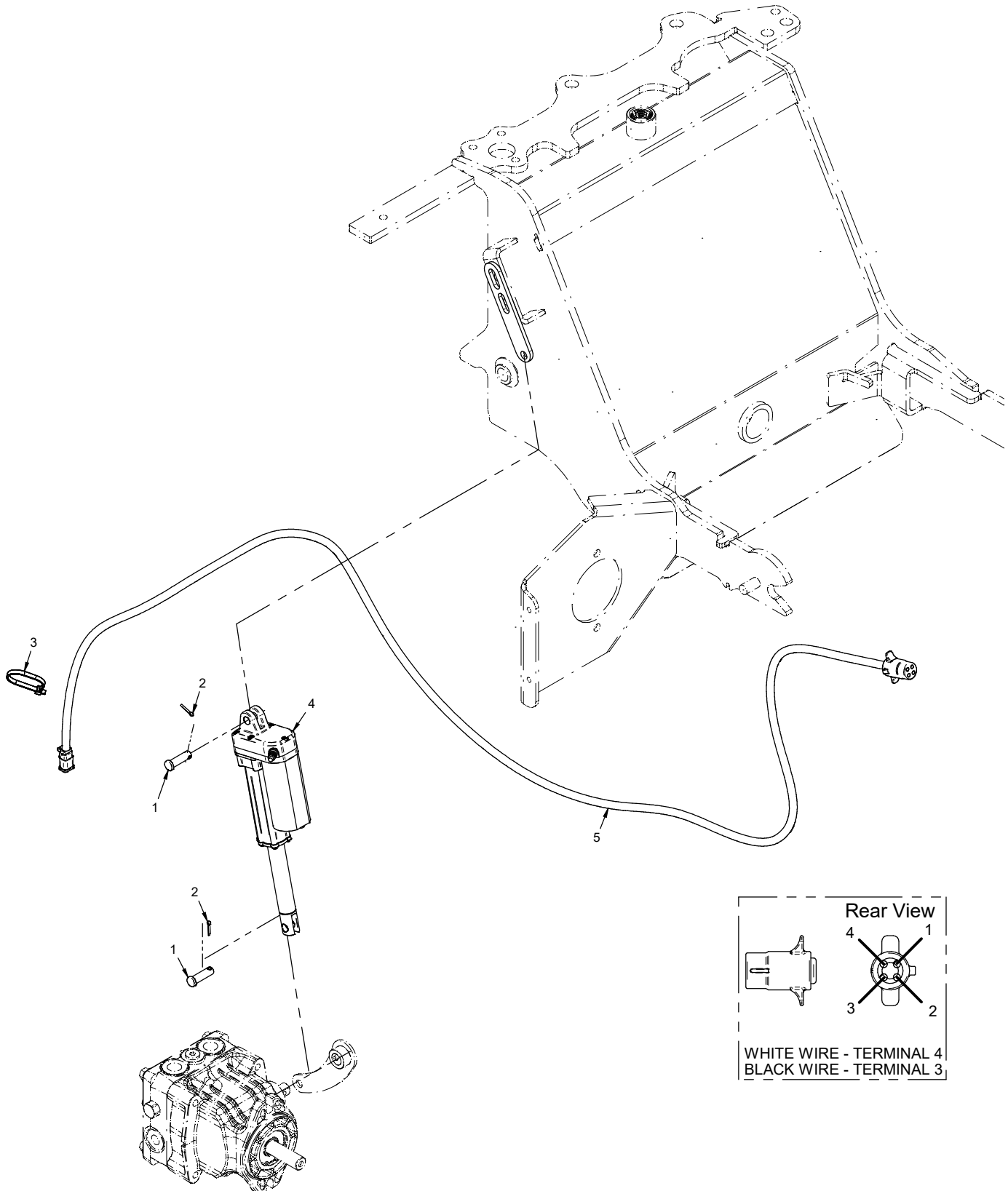
PARTS

Hydraulic Drive Circuit

REF.	PART NO.	DESCRIPTION	QTY.
1	25.FF6801-06-06-CP	.Fitting, 90 Elbow - 6MFF X 6MB.	1
2	95.05-3	.Washer, Flat 5/16 SAE SS	5
3	21.0137	.Filter, HYD ASM 25 Micron	1
4	44.0411	.Clamp, Hyd Hose 28mm ID (2)	2
5	44.0412	.Cover Plate, Group 4D (2)	2
6	99.M0066	.Bolt, M8 x 1.25 x 22MM SS	3
7	25.FF6400-12-10-CP	.Fitting, Connector -12MFF x -10MB	2
8	25.FF6400-08-10-CP	.Fitting, Connector 8MFF x 10MB	1
9	25.FF6802-08-10-CP	.Fitting, 45 Elbow -08MFF x -10MB	1
10	25.FF6801-08-08-CP	.Fitting, 90 Elbow 8MFF x 8MB	2
11	25.FF6801-06-08-CP	.Fitting, 90 Elbow 06MFF x 08MB	1
12	25.FF6400-12-08-CP	.Fitting, Connector -12MFF x -08MB	2
13	90.0522-3	.Bolt, 5/16-18 USS x 2-3/4 SS	2
14	99.A05N-3	.Locknut, Nylon 5/16-18 SS	2
15	21.0138	.Filter, Hyd Element 25 Micron	1
16	21.0145	.Pump, Hyd. Hydrogear	1
16	89.0118	.KIT, SEAL FOR 21.0145 PUMP	1
17	21.0146	.Motor, Hyd. Parker	1
18	20.0365	.Hose, 3/4x71.00 SAE 100R17AR	1
19	20.0368	.Hose, 1/2x21.00 SAE 100R17AR	1
20	20.0369	.Hose, 1/2x16.00 SAE 100R17AR	1
21	20.0370	.Hose, 3/8x25.00 SAE 100R17AR	1
22	20.0376	.Hose, 3/4x69.00 SAE 100R17AR	1

PARTS

ILLUSTRATED DRAWING 70.8211 Optional 12V Actuator



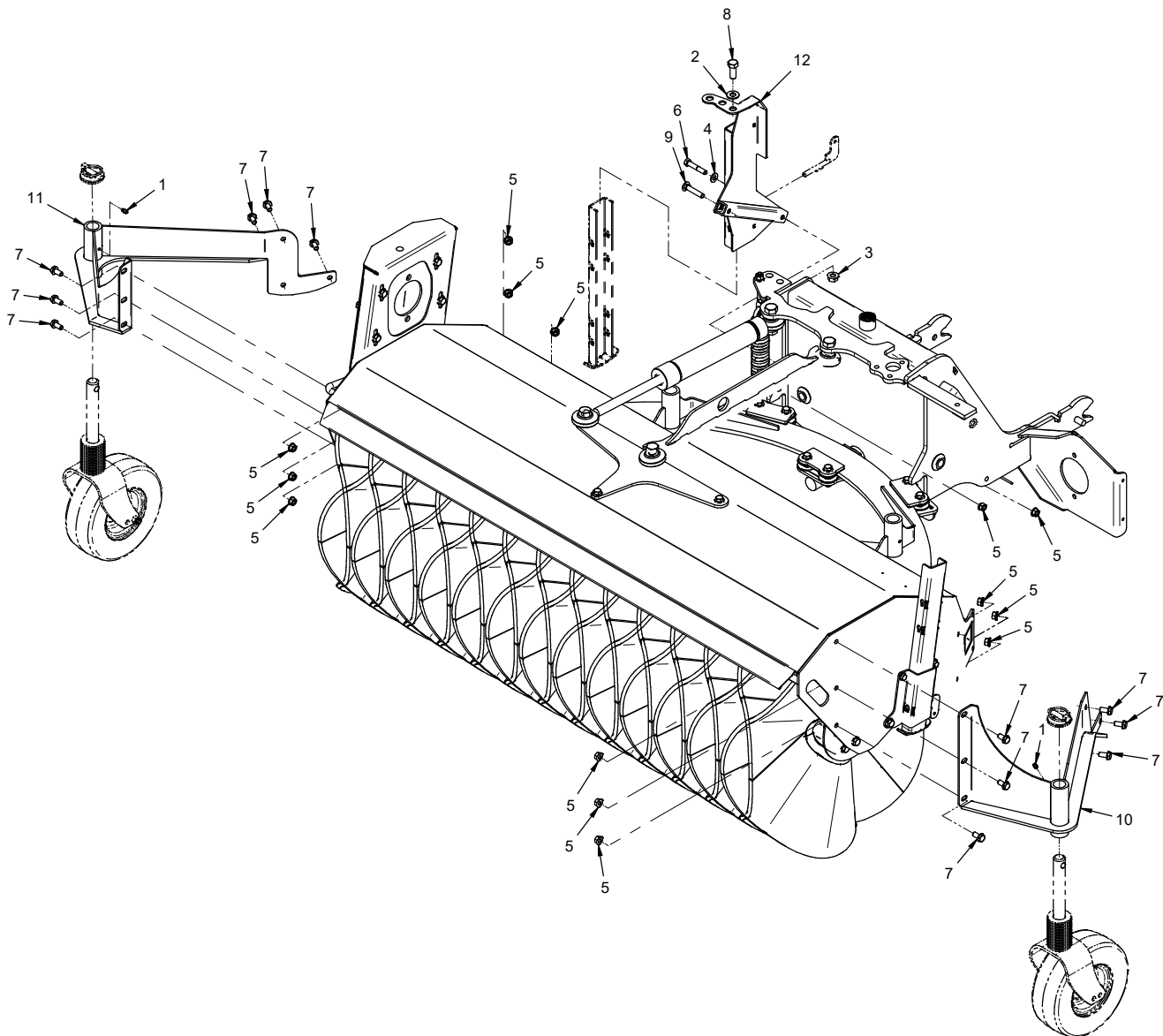
PARTS

70.8211 Optional 12V Actuator

REF.	PART NO.	DESCRIPTION	QTY.
1	03.0610	Clevis Pin, 3/8 X 1-1/4 ZP	2
2	02.CP0306	Cotter Pin, 3/32 X 3/4	2
3	30.0037	Tyton Tie, #50 .18 x 8 Black	5
4	37.0067	Actuator, 12V	1
5	32.0211	Harness, Wire Actuator	1

PARTS

ILLUSTRATED DRAWING 70.8264 Broom Gauge Wheels Kit



PARTS

70.8264 Broom Gauge Wheels Kit

REF.	PART NO.	DESCRIPTION	QTY.
1	29.GF0001	.GREASE FTG, 1/4 SAE ST	2
2	95.08	.WASHER, FLAT 1/2 SAE	1
3	99.SF08	.NUT, SRF 1/2-13 USS	1
4	95.06	.WASHER, FLAT 3/8 SAE	1
5	99.SF06	.NUT, SRF 3/8-16 USS	14
6	90.0616	.BOLT, 3/8-16 USS X 2	1
7	99.SF0606	.BOLT, SRF 3/8-16 USS X 3/4	12
8	90.0810	.BOLT, 1/2-13 USS X 1-1/4	1
9	97.0616	.BOLT, CARRIAGE 3/8-16 X 2	1
10	KJ-6023	.FRAME, GAUGE WHEEL LEFT	1
11	KJ-6025	.FRAME, GAUGE WHEEL RIGHT	1
12	KJ-6026	.BRACKET, JACK STAND	1