

POLISHING RIDERS

RP245



PARTS & DECALS MANUAL

Manual Part #: 071156P | Revision: A
Language: English | Original Instructions



For information regarding the following, please see the “RP245- Safety & Operator Manual”

- Warranty Information
- Dealer Information
- How to identify the Model / Serial Numbers on the machine
- Engine Detail

POLISHING RIDER

PARTS & DECALS MANUAL

This manual covers the products listed below:

Part No.

070450

Description

RP245 - Polishing Trowel, Hydraulic Steering, Kohler 25HP, Propane, 6ft

Table of Contents

Sect No.	Title	Page
1.0	Parts	5
	Seat Frame Assembly	8
	Lower Unit Assembly.....	10
	Engine Assembly.....	14
	Rotor Assembly - Left Hand.....	18
	Rotor Assembly - Right Hand.....	20
	Lower Rotor Assembly - Left Hand	22
	Lower Rotor Assembly - Right Hand	23
	Spider Assembly - Left Hand.....	24
	Spider Assembly - Right Hand.....	25
	Dolly Jack Assembly	26
	Polishing Skirt Assembly	27
	Polishing Disk Assembly	28
	Hydraulic Schematic	30
	Hydraulic & Pneumatic Bill of Materials.....	31
2.0	Decals	32
	Front	33
	Rear	34
	Top	35
	Left/Right	36
	Revision Detail.....	37
	Copyright Information	37

SECTION 1 PARTS

SECTION 1 PARTS

Factory Service Information

This section contains the illustrated drawings and parts list for help in identifying and/or ordering replacement parts for your machine. Follow the instructions in the front section of this manual “Ordering Parts” when ordering replacement parts to ensure prompt and accurate delivery.

NOTE

All set screws have blue (LOC-TITE™) applied at the factory. If set screw is removed or loosened for any reason re-apply blue (LOC-TITE™).

NOTE

All grease fittings are capped with CAP PLUG GC-5 (AEC PN 015692) to protect the fitting. If cap becomes missing or damaged replace it as soon as possible.

NOTE

Anti-Seize is applied at the factory to all drive line coupling, gear box main and counter shafts and pitch control threaded rod assemblies. If these parts are disassembled re-apply a light coat of a graphite based anti-seize.

**ALL REFERENCES MADE TO LEFT/RIGHT SIDES IN THIS MANUAL ARE SITTING ON MACHINE (SOM)
[i.e. Left / Right are in reference from a sitting position on the machine]**

We recommend AEC quality replacement parts, available from the AEC Customer Service Department or your nearest AEC Dealer.

Part numbers are subject to change without notice. Part numbers might be different outside of the United States of America. Use part numbers listed in the applicable parts list table when you place your order. If a part number changes, the AEC Customer Service Department or your nearest AEC dealer will have the latest part number for the replacement part.

Remember when you order replacement parts, you will need your **MODEL NUMBER** and **SERIAL NUMBER**. These are the numbers that you have recorded in the UNIT ID section of the “Safety and Operations Manual” or by looking on the unit Identification Plate. Please order replacement parts by the appropriate part number, not the item number.

This manual contains an illustrated parts list for help in ordering replacement parts for your machine. Follow the instructions below when ordering parts to ensure prompt and accurate delivery:

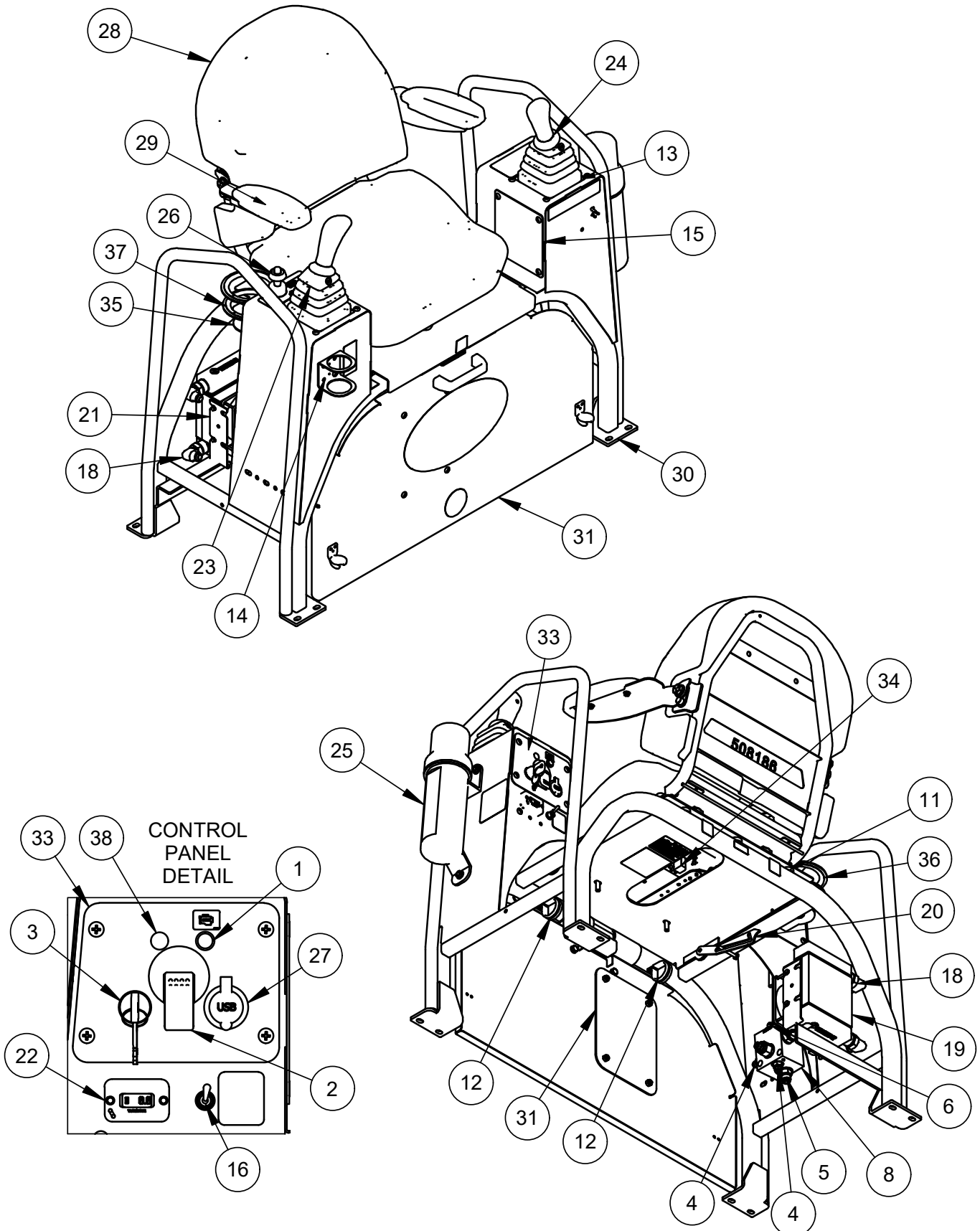
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO NOT** return parts to AEC without receiving written authorization from AEC. All authorized returns must be shipped pre-paid.
5. When placing an order, please contact the AEC Dealer nearest you.

NOTE

All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication.

SECTION 1 PARTS

Seat Frame Assembly



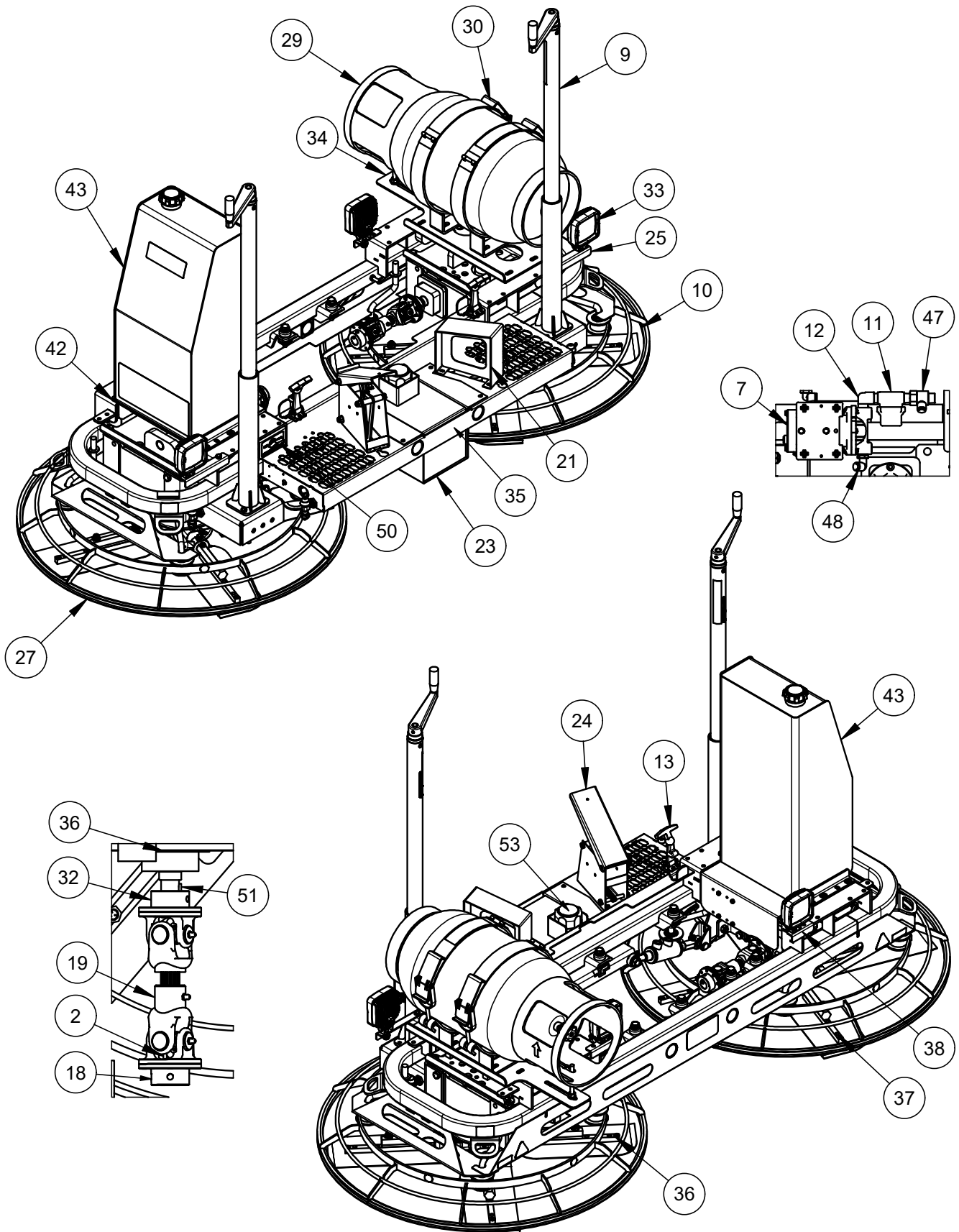
Seat Frame Assembly

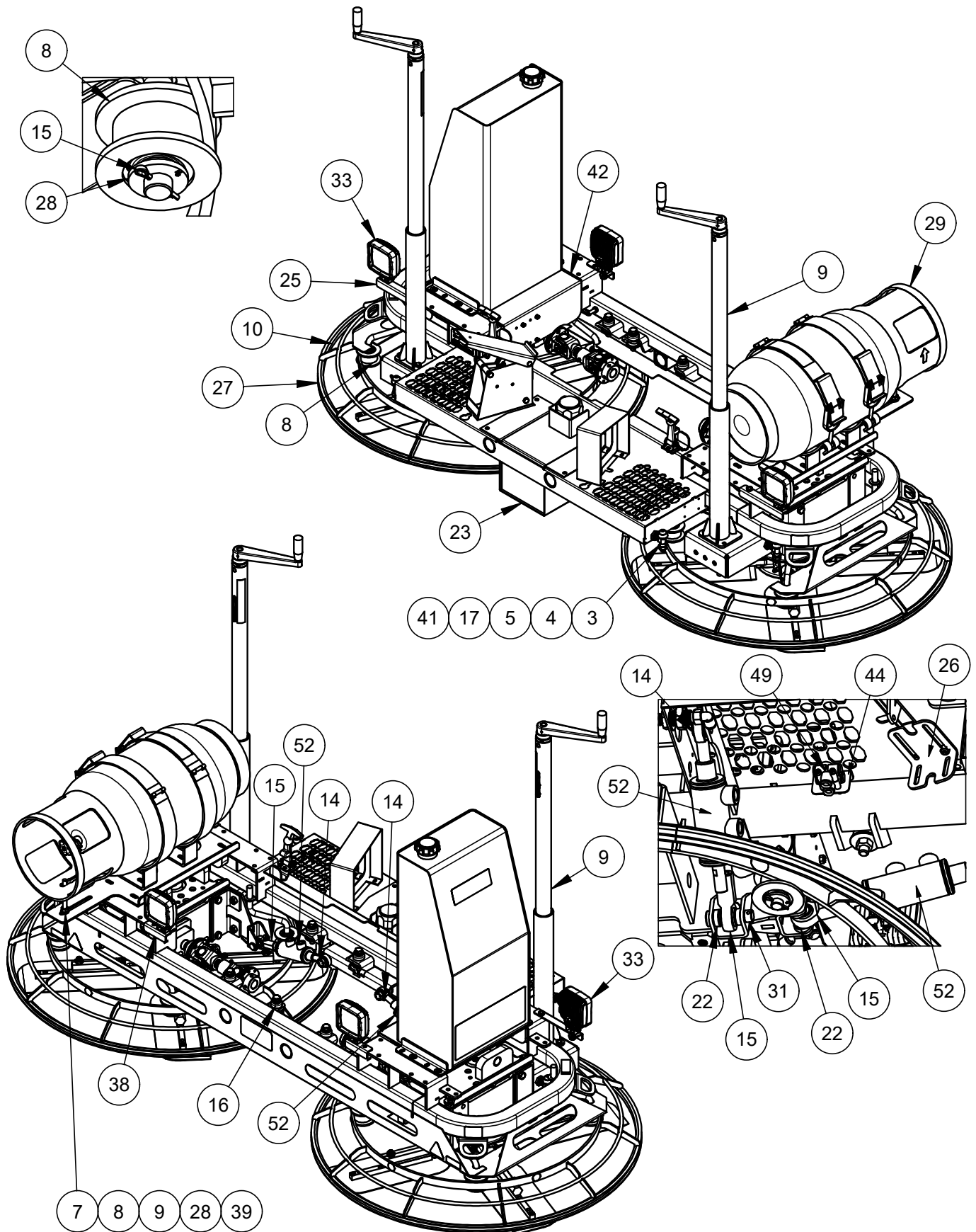
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070474	Assembly, Seat Frame, RP245	-
1	2857-PS24	Light, Red, 3VDC - 14VDC	1
2	032125	Switch, Rocker	1
3	032148	Kit, Switch, Key Ignition	1
4	045915	Fitting, F6400-6-6-0, Straight, JIC	3
5	045921	Fitting, F6400-8-8-0, Straight, JIC	1
6	045922	Fitting, F6400-4-6-0, Straight, JIC	2
7	045928	Fitting, F6400-4-4-0, Straight, JIC (Not Shown)	8
8	046736	Manifold, Hydraulic Steering	1
9	046777	Fitting, F6400-6-4-0, Straight, JIC (Not Shown)	2
10	047052	Relay, 12V, 30-50 AMP, with Shroud	2
11	047665	Bumper, Rubber	3
12	048963	Clamp, Loop, 1-1/2", Rubber	2
13	049623	Assembly, Plate, for Joystick	2
14	049632	Bracket, Tool Holder	1
15	050049	Panel, Access	2
16	050603	Switch, Toggle, I/O, 12 VDC	1
17	052926	Fitting, Hydraulic, SMK20-7/16 UNF-VE, Test Port (Not Shown)	1
18	052928	Fitting, Hydraulic, 9059-8-8	2
19	052930	Cooler, Air/Oil	1
20	053211	Seat Prop	1
21	064247	Brace, for Cooler	2
22	064386	Meter, Tach / Hour, Inductive	1
23	064817	Joystick, Dual Axis, Right Hand	1
-	-	(REPLACEMENT) Joystick, Right Hand, Upper Handle ONLY (Not Shown)	-
24	064818	Joystick, Single Axis, Left Hand	1
-	-	(REPLACEMENT) Joystick, Left Hand, Upper Handle ONLY (Not Shown)	-
25	066255	Manual, Tube	1
26	069221	Button, Cruise Control	1
27	069850	Receptical, USB, 12VDC, 5.1A Max	1
28	069874	Seat, Rider	1
29	069875	Arm Rest, for 069874 Seat, (RH / LH Set)	1
30	070435	Weldment, Seat Frame	1
31	070476	Assembly, Front Screen	1
32	070479	Cover, Inside Seat Frame, Right Hand (Not Shown)	1
33	070482	Plate, Mounting, Control Panel	1
34	071032	Switch, Safety, Normally Closed, for 069874 Rider Seat	1
35	071120	Cup Holder	1
36	071123	Trim, Rubber, 12.5", for Top Section of Cup Holder	1
37	071124	Trim, RUBber, 10.5", for Middle Section of Cup Holder	1
38	072968	Plug, 1/2", for Control Panel	1

SECTION 1 PARTS

Lower Unit Assembly





SECTION 1 PARTS

Lower Unit Assembly

ITEM	PART NO.	DESCRIPTION	QTY
-	070425	Assembly, Main Frame, RP245	-
1	010711	Clip, 1/8" x 2-9/16, Hitch Pin	1
2	011791	Key, 1/4" x 1"	2
3	012704	Body, Brass Check Valve	2
4	012705	Retainer, Brass Spray Tip	2
5	027649	Strainer, 50µ Mesh, Brass	2
6	029568	Fastener, Nut, Hex, 10-32, Nylock	4
7	033735	Pump, Spray System	1
8	037264	Assembly, Roller, for Edger	8
9	038174	Assembly, Pitch Control	2
10	039211	Belt, Urethane	2
11	040209	Filter, Retardant Spray System	1
12	040387	Fitting, Elbow, 3/8", 90°, Brass	1
13	042260	Handle, Rubber Tee	2
14	043124	Rod, End, Male, 5/8"	3
15	043125	Rod, End, Female, 5/8"	3
16	046744	Mount, Vibrator, 90#, Yellow / White	7
17	047522	Tip, Spray, 80° x 0.28GPM, Polymer	2
18	047635	Hub, Ø1" Bore, U-Joint, Center Shaft	2
19	047637	Assembly, U-Joint, Telescoping	2
20	048561	Assembly, Bearing, for Rotor Mount	4
21	048571	Foot Rest	1
22	048627	Spacer, Steering Connection	6
23	050083	Weldment, Tank, Hydraulic	1
24	053188	Assembly, Vanguard Throttle Pedal	1
25	053218	Bracket, Light	2
26	056722	Bracket, Throttle	1

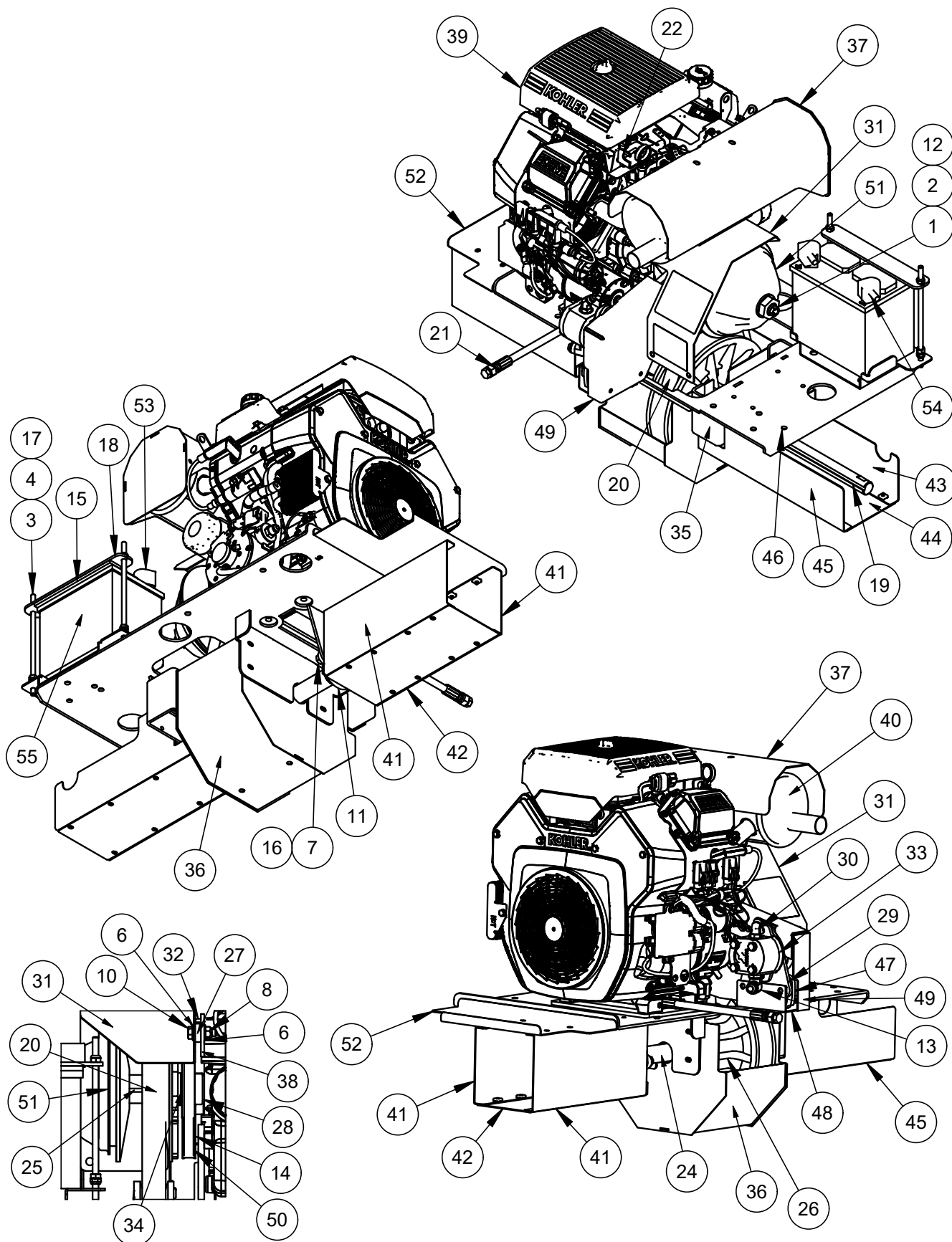
Lower Unit Assembly

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
27	061078	Ring, Lower, for Edger	2
28	064569	Faster, Nut, Stover, 7/16"-14, Grade 8	1
29	064878	Tank, Propane, 33 Pound, Vapor Draw	1
30	064879	Bracket, Mounting, for Propane Tank	2
31	065877	Spacer, Track Buggy	3
32	068500	Hub, Ø22mm Bore, U-Joint, Center Shaft	2
33	069835	Light, LED, 1200 Lumens, 12VDC, 1.3 AMP	4
34	070347	Plate, for Propane Tank Mounting	1
35	070415	Weldment, Main Frame	1
36	070418	Assembly, Rotor, Left Hand, 36", Edger	1
37	070422	Assembly, Rotor, Right Hand, 36", Edger	1
38	070562	Bracket, Light	2
39	070574	Stud, for Propane Tank Locating	1
40	071016	Fitting, Bulk Head, 1/4", Brass	2
41	071017	Fitting, Nipple, Reducing, 1/4" to 1/8", Hex	2
42	071544	Plate, Water Pump and Tank Mount	1
43	071550	Assembly, Tank, Retardent, 9 Gallon	1
44	071554	Bracket, for Union Tee	1
45	071594	Plate, Mounting, Nozzle Selector	1
46	071596	Fitting, Elbow, 1/4" NPT to 3/8" Hose Connection	4
47	071597	Fitting, Elbow, 3/8" NPT Female to 3/8" Hose Connection	1
48	071598	Fitting, Elbow, 3/8" NPT Male to 3/8" Hose Connection	1
49	071599	Fitting, Tee, 3/8" Hose Connection	2
50	071602	Valve, Ball, 1/4" NPT Female, 3-Way, Brass	1
51	071610	Key, 8mm x 7mm x 40mm, Round	2
52	072601	Cylinder, Steering, 1-1/2" Bore x 5/8" Rod x 1/2" Stroke	3
53	FI0350	Reservior, Filler Breather	1

SECTION 1 PARTS

Engine Assembly



Engine Assembly

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070515	Assembly, Engine, RP245	-
1	010084	Fastener, Washer, Flat, 7/16", Grade 8	1
2	010092	Fastener, Washer, Lock, 7/16", Grade 8	1
3	010100	Fastener, Nut, Hex, 5/16"-18, Grade 8	2
4	012612	Fastener, Nut, Hex, Nylock, 5/16"-18, Grade 8	4
5	013746	Fastener, Bolt, Counter Sink, 3/8"-16 x 1", Grade 8	1
6	017751	Fastener, Washer, Flat, 3/8", Grade 8	4
7	017898	Fastener, HHCS, 7/16"-20 x 1-1/2", Grade 8	4
8	020514	Fastener, Nut, Stover, 3/8"-16, Grade 8	2
9	024820	Key, 1/4" x 4" (NOT SHOWN)	1
10	032875	Fastener, HHCS, 3/8"-16 x 1-1/4", Grade 8	2
11	039136	Collar, Bearing, 1", Flanged	2
12	042280	Fastener, Screw, 7/16"-20 x 4-1/2", Grade 8	1
13	045920	Fitting, Elbow, 90°, F6801-8-8-NWO	1
14	046550	Pulley, AK30 x 1/2" Bore, with 2SS	1
15	047273	Cushion, for Battery Strap	1
16	047477	Fastener, Nut, Stover, 7/16"-20, Grade 8	4
17	047715	All-Thread, Rod, Battery Retainer, 5/16"-18 x 8-5/8"	2
18	048932	Bar, Battery Hold Down	1
19	050070	Shaft, Drive, 17-1/2", for Lock Bearing	1
20	051332	Belt, CVT	1
21	051980	Hose, Drain	1
22	052723	Bracket, for Throttle	1
23	053193	Spacer, Bearing, 1-3/8" (NOT SHOWN)	1
24	053194	Spacer, Bearing, 4-3/4"	1
25	053210	Key, 3/16 x 1/4" x 2	1
26	053389	Pulley	1
27	056470	Bushing, Nitrile	2
28	056775	Pulley, AK30 x 1-1/8" I.D.	1
29	056912	Weldment, Plate, Mounting, for Hydraulic Pump	1
30	061001	Fitting, Elbow, 90°, F6802-6-6-NWO	1
31	065435	Cover, for Clutch	1
32	065694	Fastener, Bolt, 7/16"-14 x 1", Grade 8	2
33	066794	Pump, Gear	1
34	067409	Spacer, for Clutch	1
35	070369	Bracket, Bearing Mount, Right Hand	1
36	070371	Guard, Bottom Pulley	1
37	070374	Shield, Heat, for Muffler	1

BOM CONTINUED ON NEXT PAGE

SECTION 1 PARTS

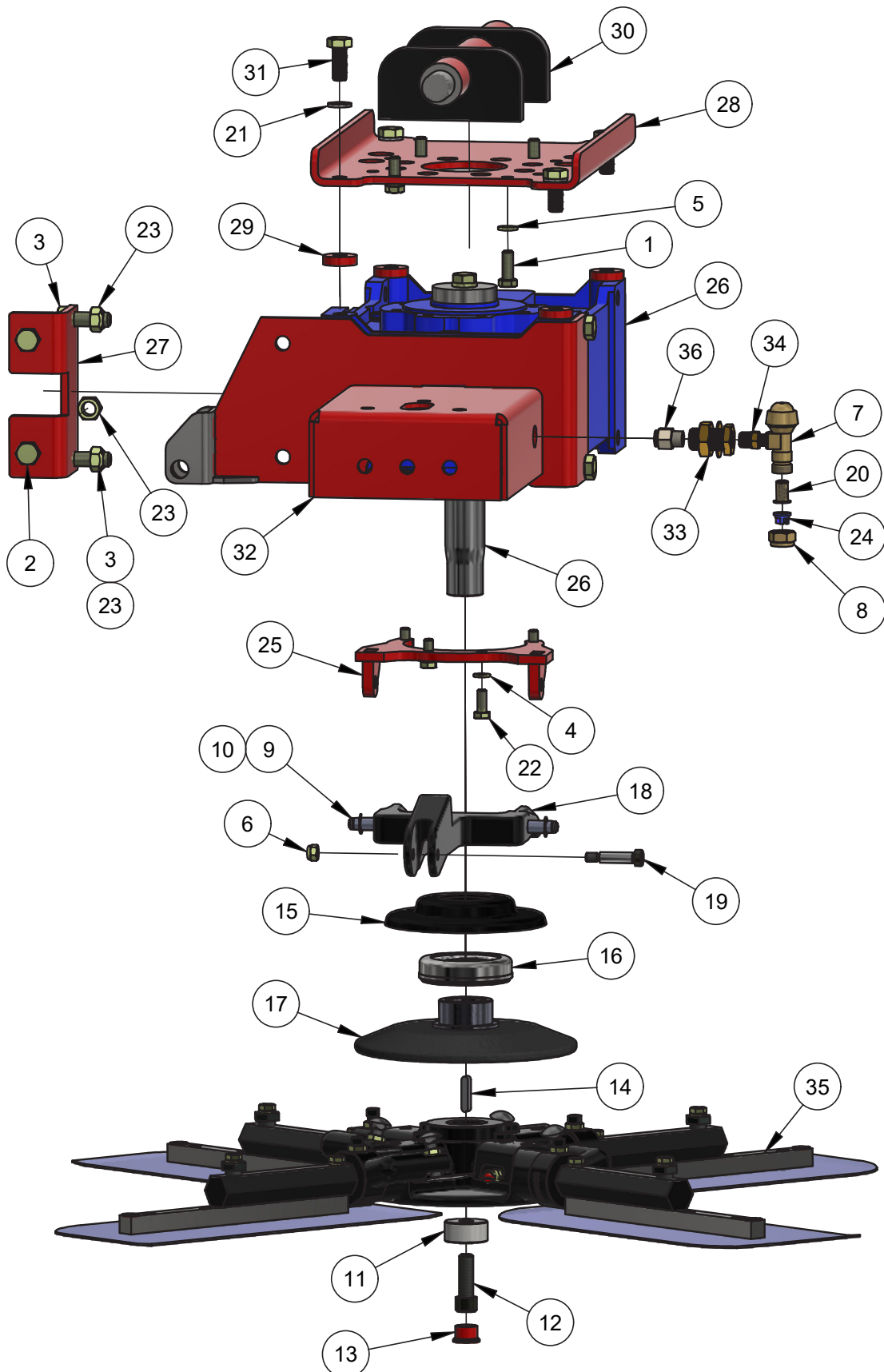
Engine Assembly

ITEM	PART NO.	DESCRIPTION	QTY
38	070378	Plate, for Belt Guard Bracket	1
39	070382	Engine, Kohler, EKPCH740, 25HP, Propane	1
40	070383	Muffler, Kohler	1
41	070484	Side, for Left Hand Drive Cover	2
42	070494	Bottom, for Left Hand Drive Cover	1
43	070505	Side, for Right Hand Front Cover	1
44	070506	Bottom, for Right Hand Drive Cover	1
45	070507	Side, for Right Hand Rear Cover	1
46	070514	Mount, Engine	1
47	070516	Plate, Pump Mount for Engine Assembly	1
48	070517	Bracket, for Pulley Cover	1
49	070519	Cover, for Auxillary Pump	1
50	071057	Belt	1
51	071614	Pulley, Driver	1
52	071689	Top, for Left Hand Drive, Cover	1
53	071939	Protector, Battery Terminal, Positive, Red, Plastic	1
54	071940	Protector, Battery Terminal, Negative, Black, Plastic	1
55	BT0100	Battery, 340 CCA	1

PAGE LEFT BLANK INTENTIONALLY

SECTION 1 PARTS

Rotor Assembly - Left Hand



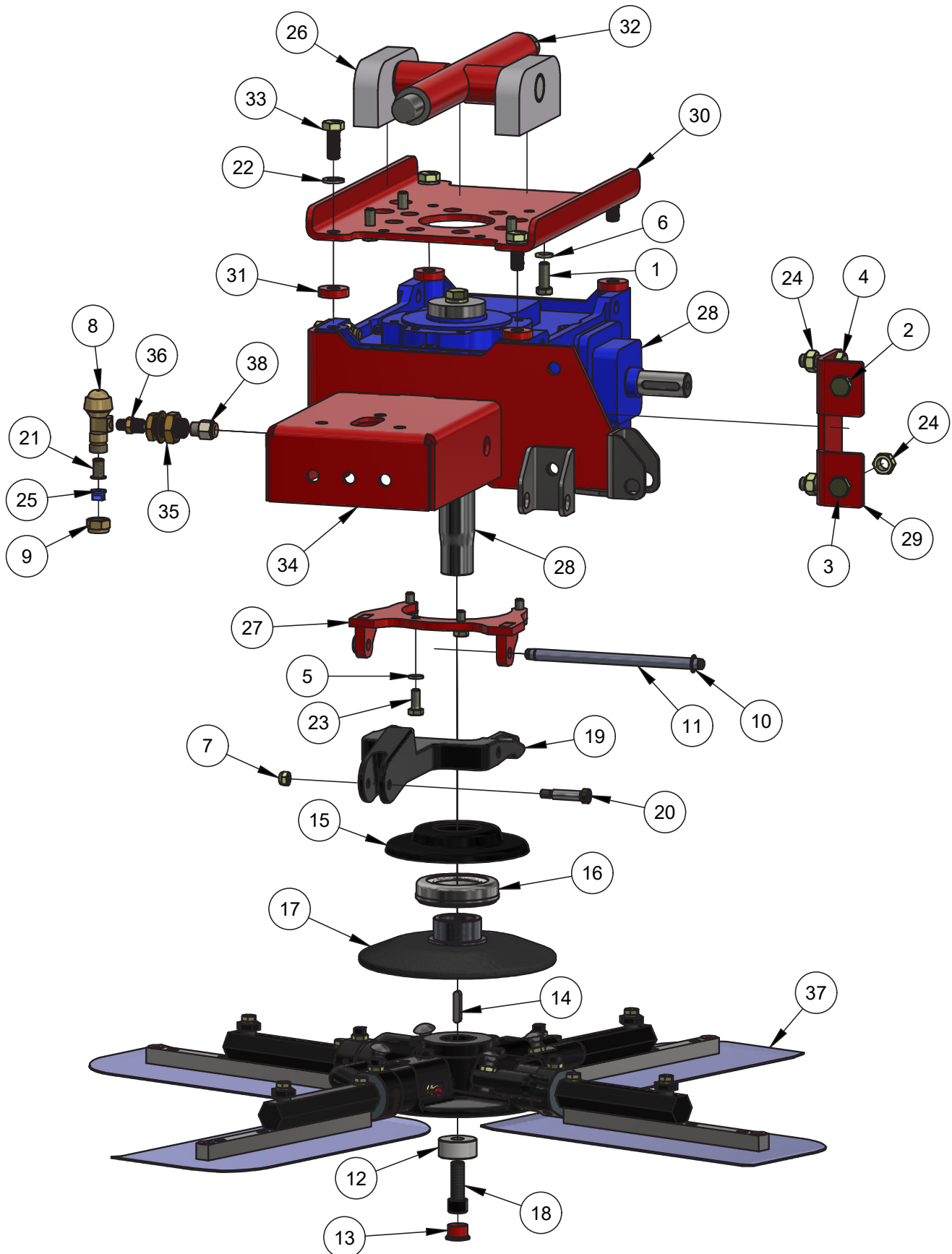
Rotor Assembly - Left Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070418	Assembly, Rotor, Left Hand, RP245	-
1	010036	Fastener, HHCS, 3/8"-16 x 1", Grade 8	4
2	010067	Fastner, HHCS, 1/2"-13 x 1", Grade 8	2
3	010069	Fastener, HHCS, 1/2"-13 x 1-1/2, Grade 8	4
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	4
5	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
6	012612	Fastener, Nut, Hex, Nylock, 5/16"-18, Grade 8	1
7	012704	Body, Check Valve Nozzle, Brass	1
8	012705	Retainer, Spray Tip, Brass	1
9	015677	Ring, Retaining, 7/16", E-Style	2
10	015678	Pin, Yoke Arm	1
11	015690	Washer, Retaining	1
12	015691	Fastener, SHCS, 1/2"-13 x 1-1/2", Right Hand Threads	1
13	015693	Plug, Cap, Plastic	1
14	015696	Key, 1/4" x 1-1/4"	1
15	015821	Cap, Pressure Plate	1
16	015822	Bearing, Thrust	1
17	015824	Plate, Pressure	1
18	026215	Yoke, Arm	1
19	026504	Fastener, Screw, Shoulder, 5/16"-18 x 1/2" x 3/8" x 1-1/4"	1
20	027649	Strainer, 50µ Mesh, Brass	1
21	029028	Fastener, Washer, Lock, 12mm, Grade 8	4
22	032863	Fastener, HHCS, M8 x 1.25 x 20mm	4
23	047478	Fastener, Nut, Stover, 1/2"-20, Grade 8	6
24	047522	Tip, Spray, 80° x 0.28GPM, Polymer	1
25	069880	Bracket, Yoke Mount	1
26	069884	Assembly, Gearbox, Helical, 21.2:1 Ratio, Left Hand	1
27	070173	Bracket, for Gearbox and Crosshead Assembly	1
28	070174	Plate, Top, for Gearbox and Crosshead Assembly	1
29	070175	Spacer, for Top Plate	4
30	070176	Crosshead, 2-Way	1
31	070414	Fastener, HHCS, M12 x 1.75 x 30mm	4
32	070419	Arm, Crosshead	1
33	071016	Fitting, Bulkhead, 1/4" NPT, Brass	1
34	071017	Fitting, Nipple, Reducing, 1/4"-1/8" NPT	1
35	071162	Assembly, Lower Rotor, Left Hand	1
36	071601	Fitting, 1/4" NPT Male to 3/8" Hose Connect, Straight	1
37	071981	Seal, Shaft, for Gearbox (Not Shown)	1

SECTION 1 PARTS

Rotor Assembly - Right Hand



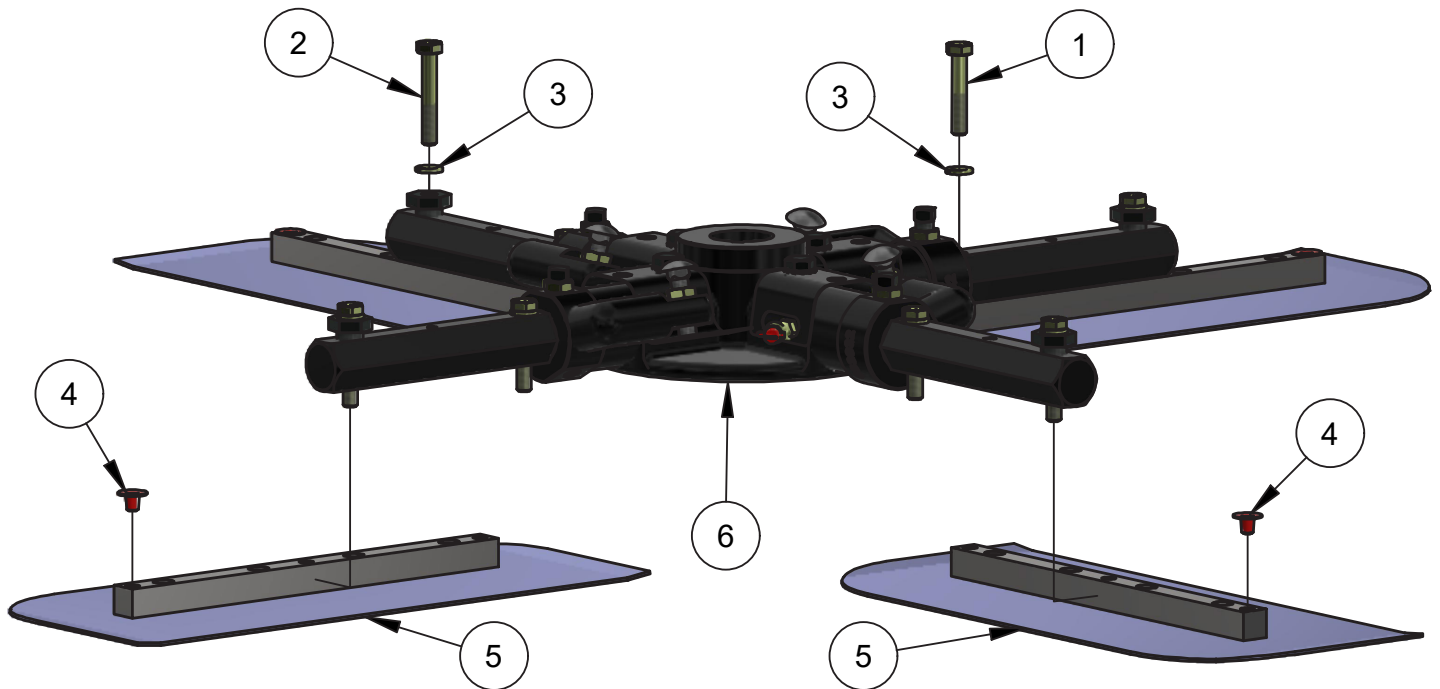
Rotor Assembly - Right Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070422	Assembly, Rotor, Right Hand, RP245	-
1	010036	Fastener, HHCS, 3/8"-16 x 1, Grade 8	4
2	010067	Fastener, HHCS, 1/2"-13 x 1, Grade 8	1
3	010068	Fastener, HHCS, 1/2"-13 x 1-1/4", Grade 8	1
4	010069	Fastener, HHCS, 1/2"-13 x 1-1/2", Grade 8	4
5	010090	Fastener, Washer, Lock, 5/16, Grade 8	4
6	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
7	012612	Fastener, Nut, Hex, Nylock, 5/16-18, Grade 8	1
8	012704	Body, Check Valve Nozzle, Brass	1
9	012705	Retainer, Spray Tip, Brass	1
10	015677	Ring, Retaining, 7/16", E-Style	2
11	015678	Pin, Yoke Arm	1
12	015690	Washer, Retaining	1
13	015693	Plug, Cap, Plastic	1
14	015696	Key, 1/4" x 1-1/4	1
15	015821	Cap, Pressure Plate	1
16	015822	Bearing, Thrust	1
17	015824	Plate, Pressure	1
18	020155	Fastener, Screw, 1/2"-13 x 1-1/2", Left Hand Threads	1
19	026215	Yoke, Arm	1
20	026504	Fastner, Screw, Shoulder, 5/16"-18 x 1/2" x 3/8" x 1-1/4"	1
21	027649	Strainer, 50µ Mesh, Brass	1
22	029028	Fastener, Washer, Lock, 12mm, Grade 8	4
23	032863	Fastener, HHCS, M8 x 1.25 x 20mm	4
24	047478	Fastener, Nut, Stover, 1/2"-20, Grade 8	6
25	047522	Tip, Spray, 80° x 0.28GPM, Polymer	1
26	048561	Assembly, Bearing, for Rotor Mount	2
27	069880	Bracket, Yoke Mount	1
28	069883	Assembly, Gearbox, Helical, Right Hand	1
29	070173	Bracket, for Gearbox and Crosshead Assembly	1
30	070174	Plate, Top, for Gearbox and Crosshead Assembly	1
31	070175	Spacer, Top Plate to Gearbox	4
32	070179	Crosshead, 4-Way	1
33	070414	Fastener, HHCS, M12 x 1.75 x 30mm	4
34	070423	Arm, Crosshead for Right Hand Rotor Assembly	1
35	071016	Fitting, Bulkhead, 1/4" NPT, Brass	1
36	071017	Fitting, Nipple, Reducing, 1/4" to 1/8" NPT	1
37	071163	Assembly, Lower Rotor, Right Handv	1
38	071601	Fitting, 1/4" NPT Male to 3/8" Hose Connection, Straight	1
39	071981	Seal, Shaft, for Helical Gearbox	1

SECTION 1 PARTS

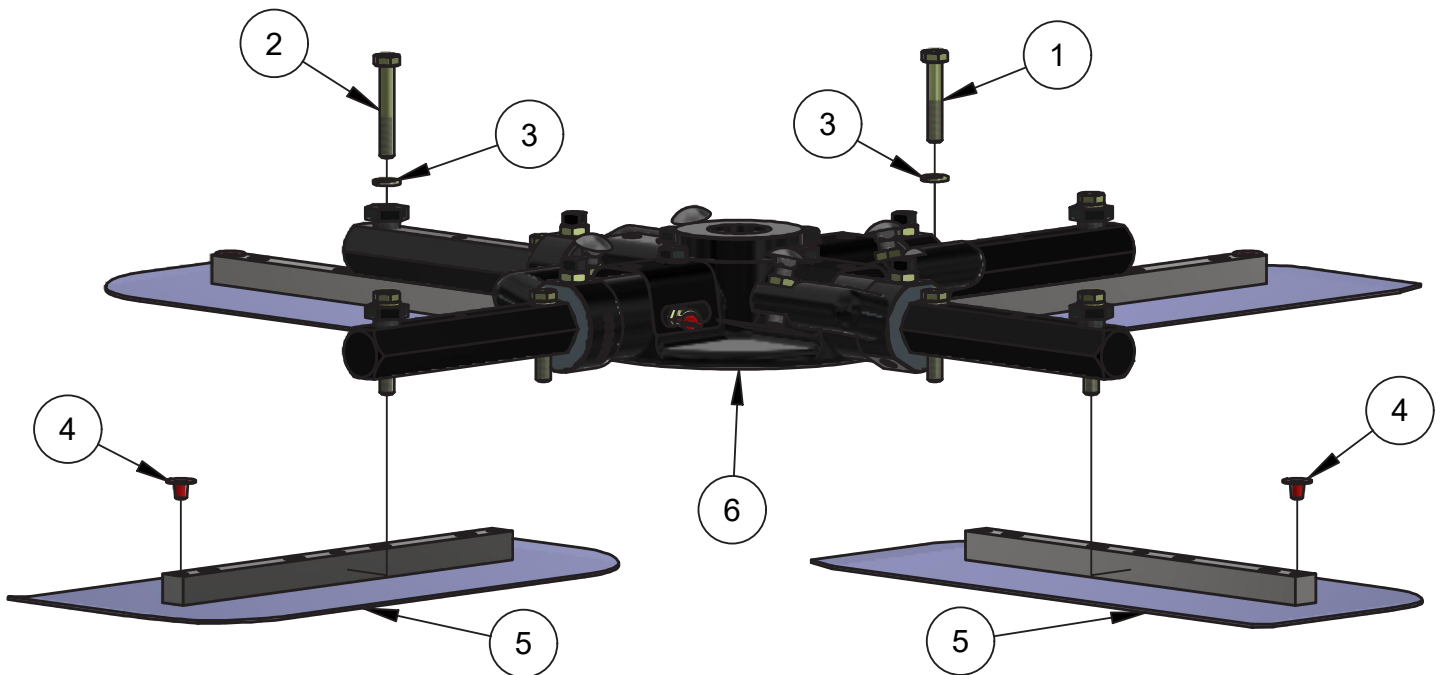
Lower Rotor Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	071162	Assembly, Lower Rotor, Left Hand	-
1	010023	Fastener, HHCS, 5/16"-18 - 1-3/4", Grade 8	4
2	010024	Fastener, Bolt, HHCS, 5/16"-18 x 2", Grade 8	4
3	010090	Fastener, Washer, Lock, 5/16", Grade 8	8
4	015694	Plug, W-1, Red, Plastic, Tapered	4
5	041695	Blade, Flat Finish, 6" x 14", Edger, Silver	4
6	072843	Assembly, Spider, Left Hand, 4-Blade	1

Lower Rotor Assembly - Right Hand

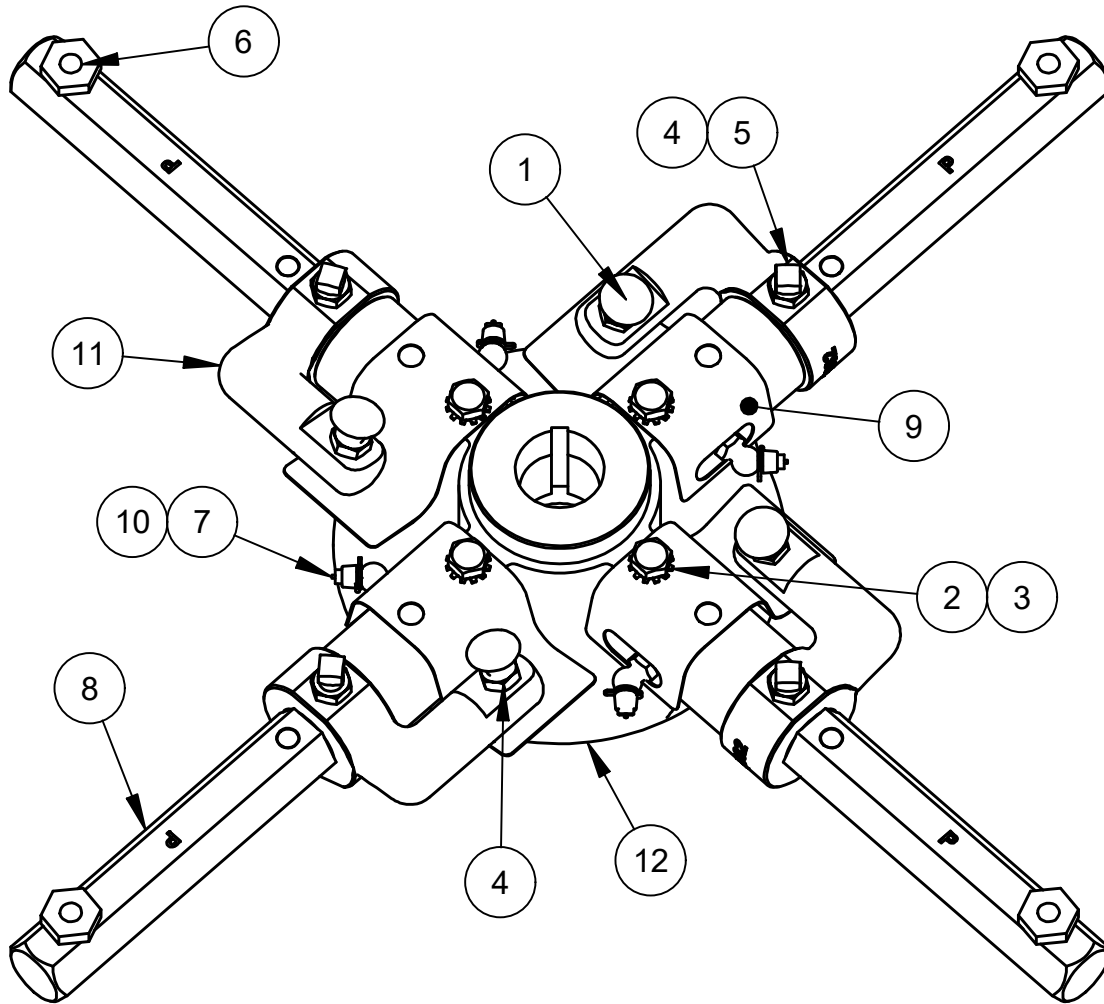
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	071163	Assembly, Lower Rotor, Right Hand	-
1	010023	Fastener, HHCS, 5/16"-18 - 1-3/4", Grade 8	4
2	010024	Fastener, Bolt, HHCS, 5/16"-18 x 2", Grade 8	4
3	010090	Fastener, Washer, Lock, 5/16", Grade 8	8
4	015694	Plug, W-1, Red, Plastic, Tapered	4
5	041695	Blade, Flat Finish, 6" x 14", Edger, Silver	4
6	072842	Assembly, Spider, Right Hand, 4-Blade	1

SECTION 1 PARTS

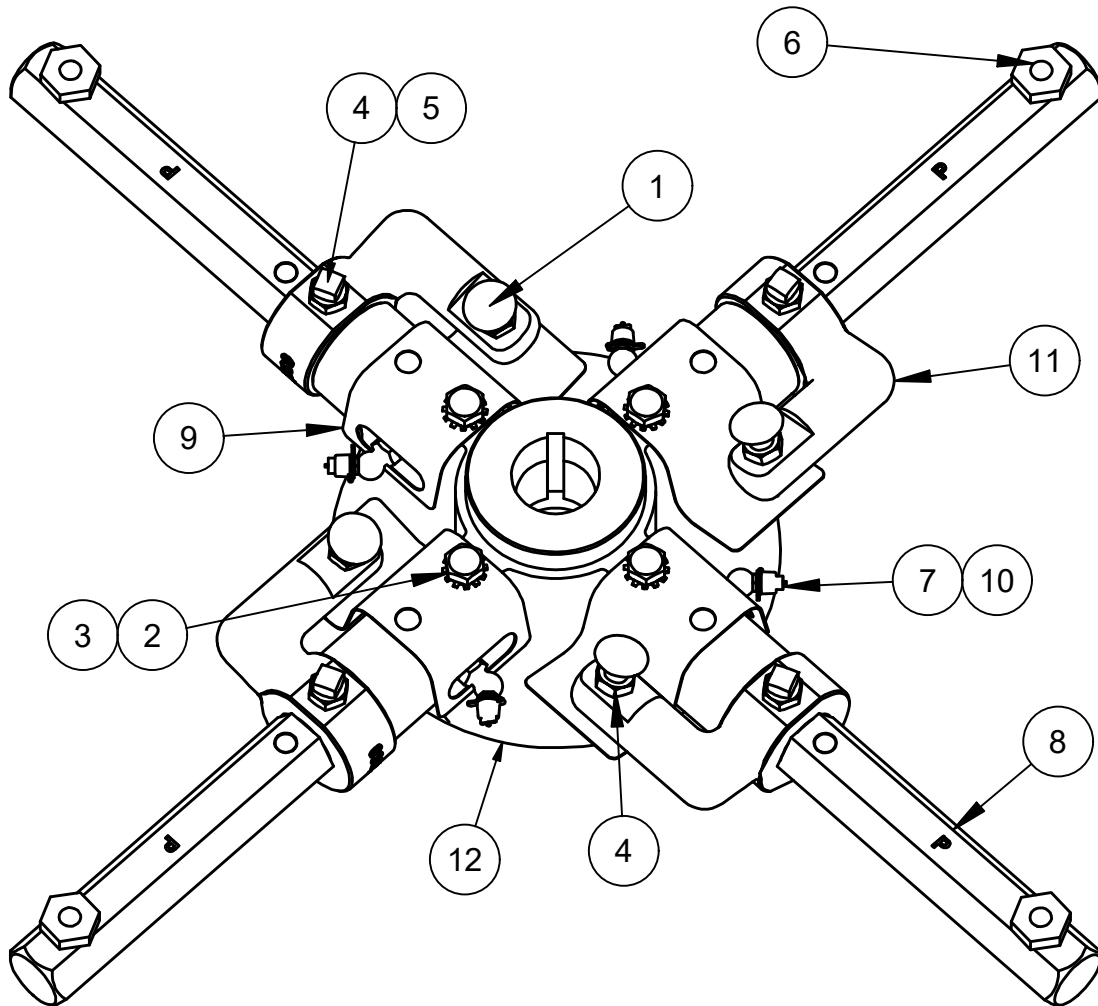
Spider Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	072843	Assembly, Spider, Left Hand, 4-Arm	-
1	012990	Fastener, , 3/16"-16 x 1-1/4", Grade 8	4
2	015682	Fastener, Washer, Star, 3/8", Grade 8	4
3	015683	Fastener, Bolt, Hex Head Cap, 3/8"-16 x 7/8", Grade 8	4
4	015684	Fastener, Nut, Hex, 3/8"-16, Grade 8	8
5	015686	Fastener, SQHSS, 3/8"-16 x 1"	4
6	015688	Fastener, Screw, Machine Head, 9/16"-18	4
7	015692	Cap, Grease, 1/4", Red, Plastic	4
8	015818	Arm, for 36" Trowel	4
9	016920	Clip, Spring	4
10	024755	Fitting, Grease, 1/8"-27 NPT, 45°	4
11	033032	Lever, Lift, 1", Universal	4
12	064221	Boss, for Spider Assembly, 4-Arm, Universal	1

Spider Assembly - Right Hand

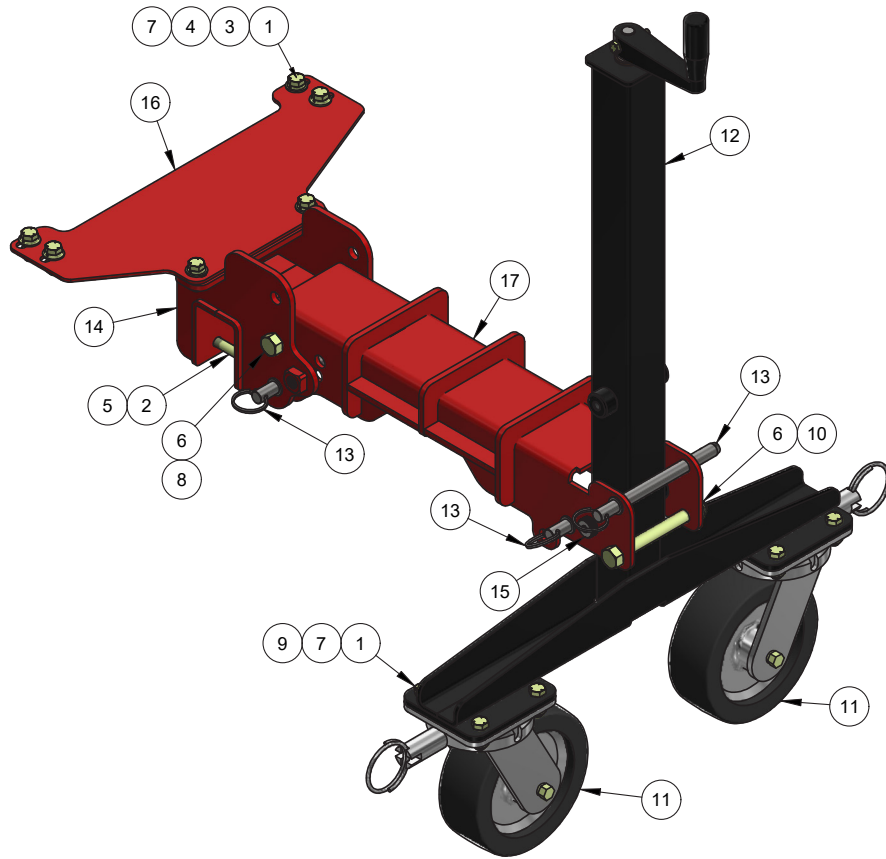
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	072842	Assembly, Spider, Right Hand, 4-Arm	-
1	012990	Fastener, , 3/16"-16 x 1-1/4", Grade 8	4
2	015682	Fastener, Washer, Star, 3/8", Grade 8	4
3	015683	Fastener, Bolt, Hex Head Cap, 3/8"-16 x 7/8", Grade 8	4
4	015684	Fastener, Nut, Hex, 3/8"-16, Grade 8	8
5	015686	Fastener, SQHSS, 3/8"-16 x 1"	4
6	015688	Fastener, Screw, Machine Head, 9/16"-18	4
7	015692	Cap, Grease, 1/4", Red, Plastic	4
8	015818	Arm, for 36" Trowel	4
9	016920	Clip, Spring	4
10	024755	Fitting, Grease, 1/8"-27 NPT, 45°	4
11	033032	Lever, Lift, 1", Universal	4
12	064221	Boss, for Spider Assembly, 4-Arm, Universal	1

SECTION 1 PARTS

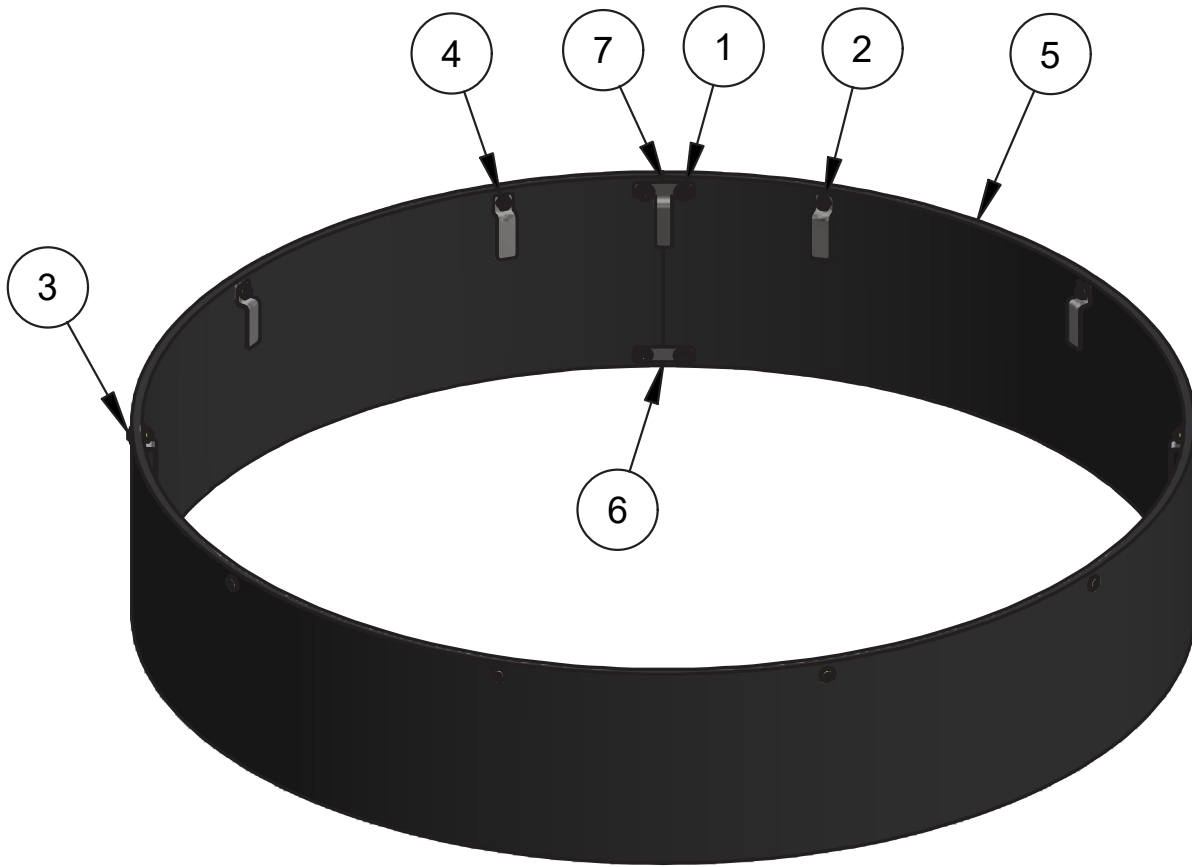
Dolly Jack Assembly



ITEM	PART #	DESCRIPTION	QTY
-	070283	Assembly, Dolly Jack, without Locks (Not Shown)	-
-	070284	Assembly, Dolly Jack, with Locks	-
1	010036	Fastener, HHCS, 3/8"-16 x 1", Grade 8	14
2	010044	Fastener, HHCS, 3/8"-16 x 3", Grade 8	2
3	010091	Fastener, Washer, Lock, 3/8", Grade 8	6
4	010102	Fastener, Nut, Hex, 3/8"-16, Grade 8	4
5	010464	Fastener, Nut, Hex, Nylock, 3/8"-16, Grade 8	2
6	011238	Fastener, Nut, Hex, Nylock, 1/2"-13, Grade 8	2
7	017751	Fastener, Washer, Flat, 3/8", Grade 8	14
8	019541	Fastener, HHCS, 1/2"-13 x 5", Grade 8	1
9	020514	Fastener, Nut, Stover, 3/8"-16, Grade 8	8
10	033771	Fastener, HHCS, 1/2"-13 x -1/2", Grade 8	1
11	070278	Caster, 6", without Lock, Non-Marking Wheel (Not Shown)	2
	070279	Caster, 6", with Lock, Non-Marking Wheel	
12	070282	Assembly, Jack, for Pivoting	1
13	070343	Pin, 1/2" x 4-5/8", Quick Release	3
14	070394	Receiver	1
15	070399	Fastener, Bolt, Shoulder, 1/2" x 5/16"	2
16	070401	Plate, Cover	1
17	070529	Assembly, Channel	1

Polishing Skirt Assembly

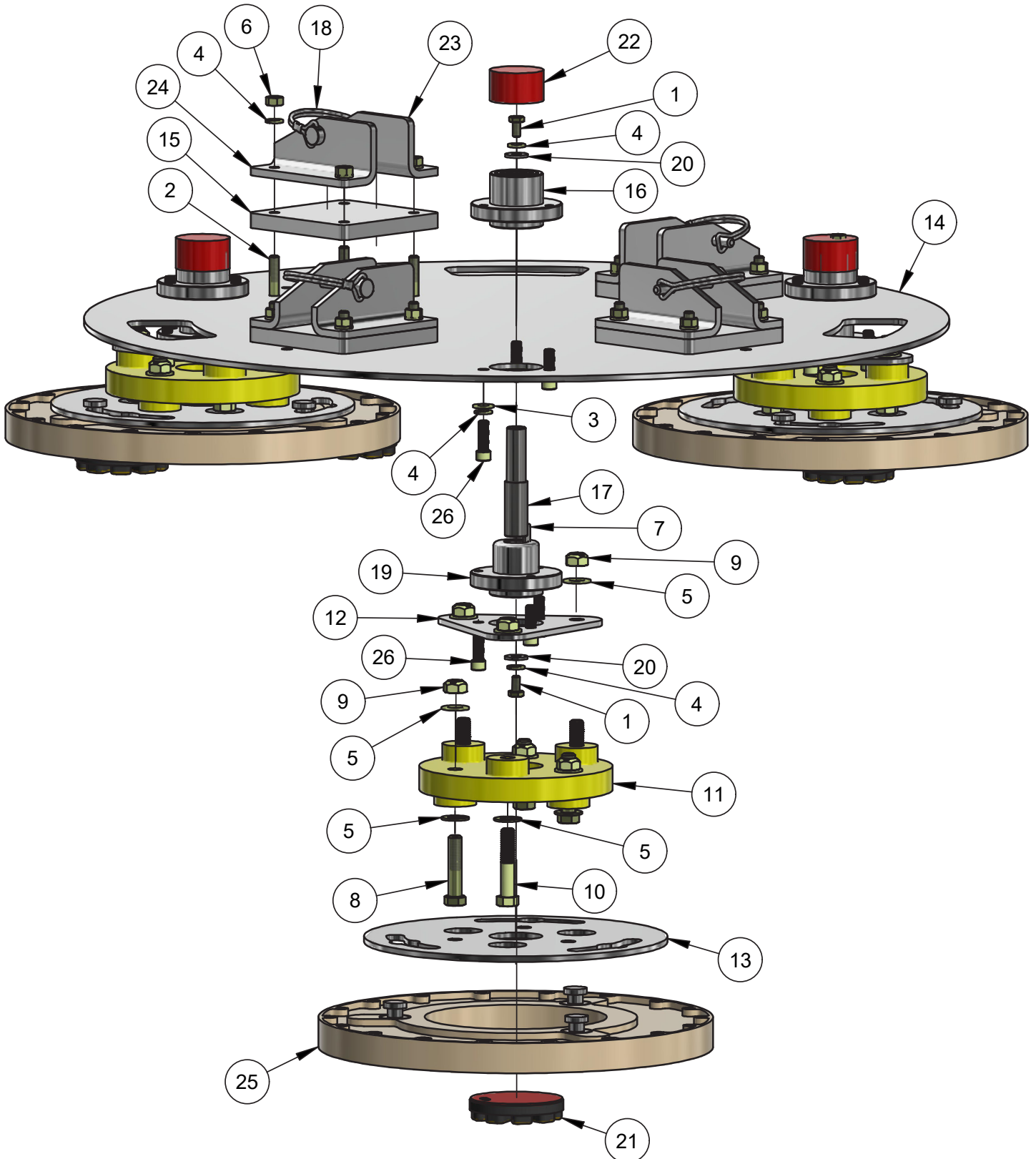
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	070360	Assembly, Skirt, Polisher	-
1	010081	Fastener, Washer, Flat, 1/4", Grade 8	4
2	020542	Fastener, Nut, Lock, 1/4"-20, Grade 8	14
3	070354	Fastener, Screw, Button Head, Flanged, 1/4"-20 x 3/4", Zinc Plated	14
4	070356	Clip, for Rubber Skirt Assembly	10
5	070357	Skirt, for Polishing Trowel Edger	1
6	070358	Clip, Bottom, Connecting	1
7	070359	Clip, Top, Connecting	1

SECTION 1 PARTS

Polishing Disk Assembly



Polishing Disk Assembly

SECTION 1 PARTS

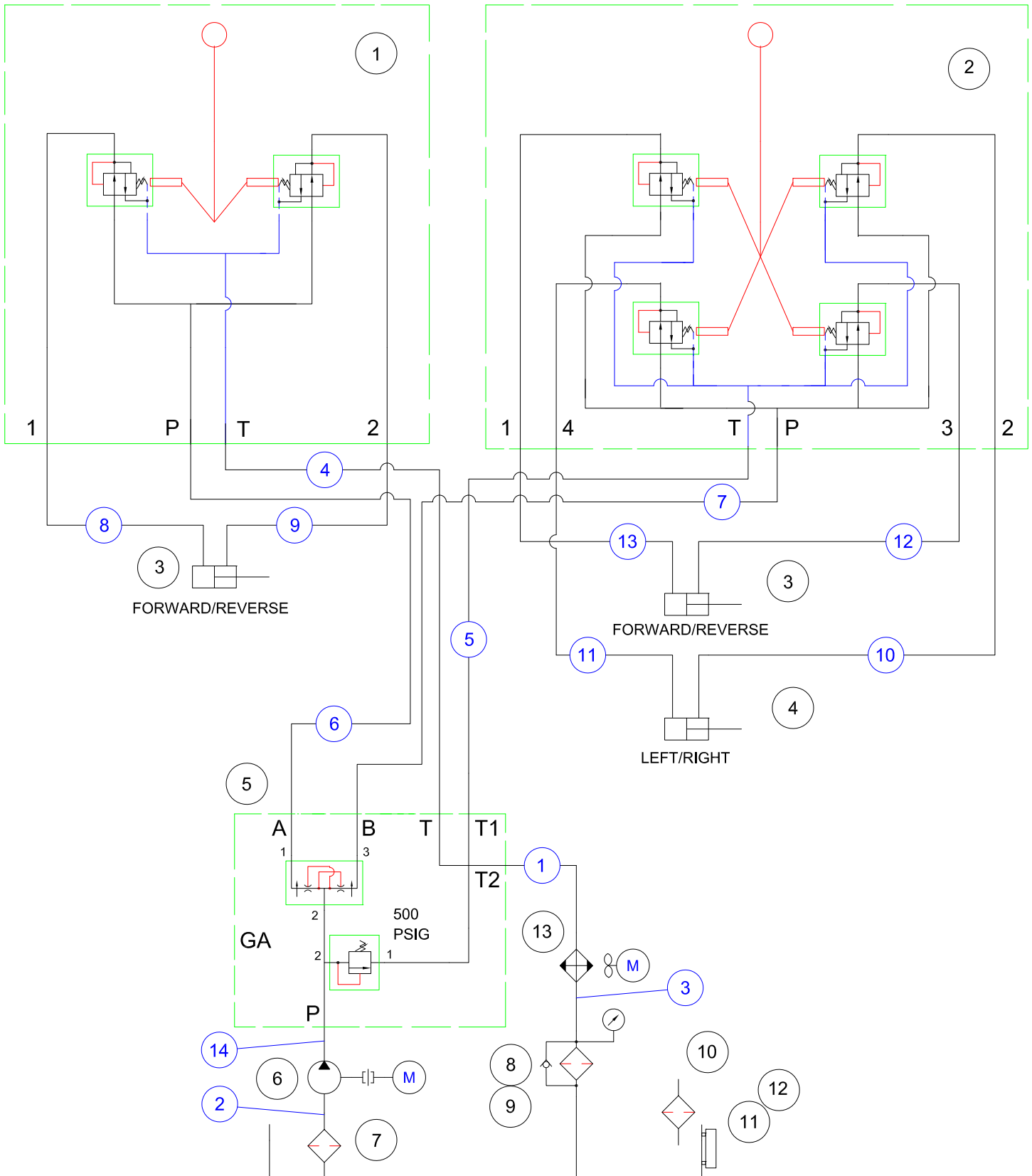
ITEM	PART #	DESCRIPTION	QTY
-	070195	Assembly, Polishing Disk	-
1	010001	Fastener, HHCS, 1/4"-20 x 1/2", Grade 8	6
2	010022	Fastener, HHCS, 5/16"-18 x 1-1/2", Grade 8	16
3	010082	Fastener, Washer, Flat, 5/16, Grade 8	16
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	40
5	010096	Fastener, Washer, Flat, 7/16", Grade 8	36
6	010100	Fastener, Nut, Hex, 5/16"-18, Grade 8	16
7	015813	Key, 3/16" x 1"	3
8	062877	Fastener, HHCS, 7/16"-14 x 2", Grade 8	9
9	064569	Fastener, Nut, Stover, 7/16"-14, Grade 8	18
10	064712	Fastener, HHCS, 7/16"-14 x 2-1/4", Grade 8	9
11	070188	Coupler, Flex, Urathan	3
12	070189	Plate, Triangle	6
13	070190	Plate, Disk, Small	6
14	070191	Plate, Disk, Large	2
15	070193	Plate, Square,	4
16	070198	Assembly, Hub, with Bearing	3
17	070199	Shaft, for Spindle Assembly	3
18	070200	Pin, Locking, 5/16" x 2-1/8"	4
19	070201	Hub, for Shaft Mount	3
20	070202	Fastener, Washer, Flat, 1/4", Zinc Plated	6
21	070203	Puck, Grinding, 400 Grit, Diamond	18
22	070206	Sleeve, Cap, 1-3/4" x 1", for Tube End	3
23	070208	Angle, Left Hand	4
24	070209	Angle, Right Hand	4
25	070510	Plate, Mounting, for Grinding Puck	3
26	070533	Fastener, SHCS, 5/16"-24 x 1", Zinc Plated	18

SECTION 1 PARTS

Hydraulic Schematic

LEFT HAND JOYSTICK
STEERING CONTROL

RIGHT HAND JOYSTICK
STEERING CONTROL



Hydraulic & Pneumatic Bill of Materials

SECTION 1 PARTS

071666 - RP245 - Hose Kit			
ITEM	PART #	DESCRIPTION	QTY
1	071164	Hose, HS-TR-RP245-1	1
2	071165	Hose, HS-TR-RP245-2	1
3	071166	Hose, HS-TR-RP245-3	1
4	071167	Hose, HS-TR-RP245-4	1
5	071168	Hose, HS-TR-RP245-5	1
6	071169	Hose, HS-TR-RP245-6	1
7	071170	Hose, HS-TR-RP245-7	1
8	071171	Hose, HS-TR-RP245-8	1
9	071172	Hose, HS-TR-RP245-9	1
10	071173	Hose, HS-TR-RP245-10	1
11	071174	Hose, HS-TR-RP245-11	1
12	073410	Hose, HS-TR-RP245-12	1
13	073411	Hose, HS-TR-RP245-13	1
14	073412	Hose, HS-TR-RP245-14	1
15	070413	Hose, HS-TR-RP245-15	1

071667 - RP245 - Fitting Kit			
ITEM	PART #	DESCRIPTION	QTY
2	068815	F2501-10-8-0	1
3	045929	F6801-4-4 NWO	1
4	045915	F6400-6-6-0	3
5	045922	F6400-4-6-0	2
6	045921	F6400-8-8-0	1
7	048730	SMK20-JIC1/4-VK	1
8	061001	F6802-6-6 NWO	1
9	045948	7574051	1
10	045923	F6801-4-6 NWO	6
11	071683	6402-8-8-0	1
12	071684	F2404-8-6-0	1
13	071685	F2501-8-6-0	1
14	065921	F6801-L-8-8 NWO	1
15	068817	2406-8-10	1
16	046777	F6400-6-4-0	2
17	045928	F6400-4-4-0	8

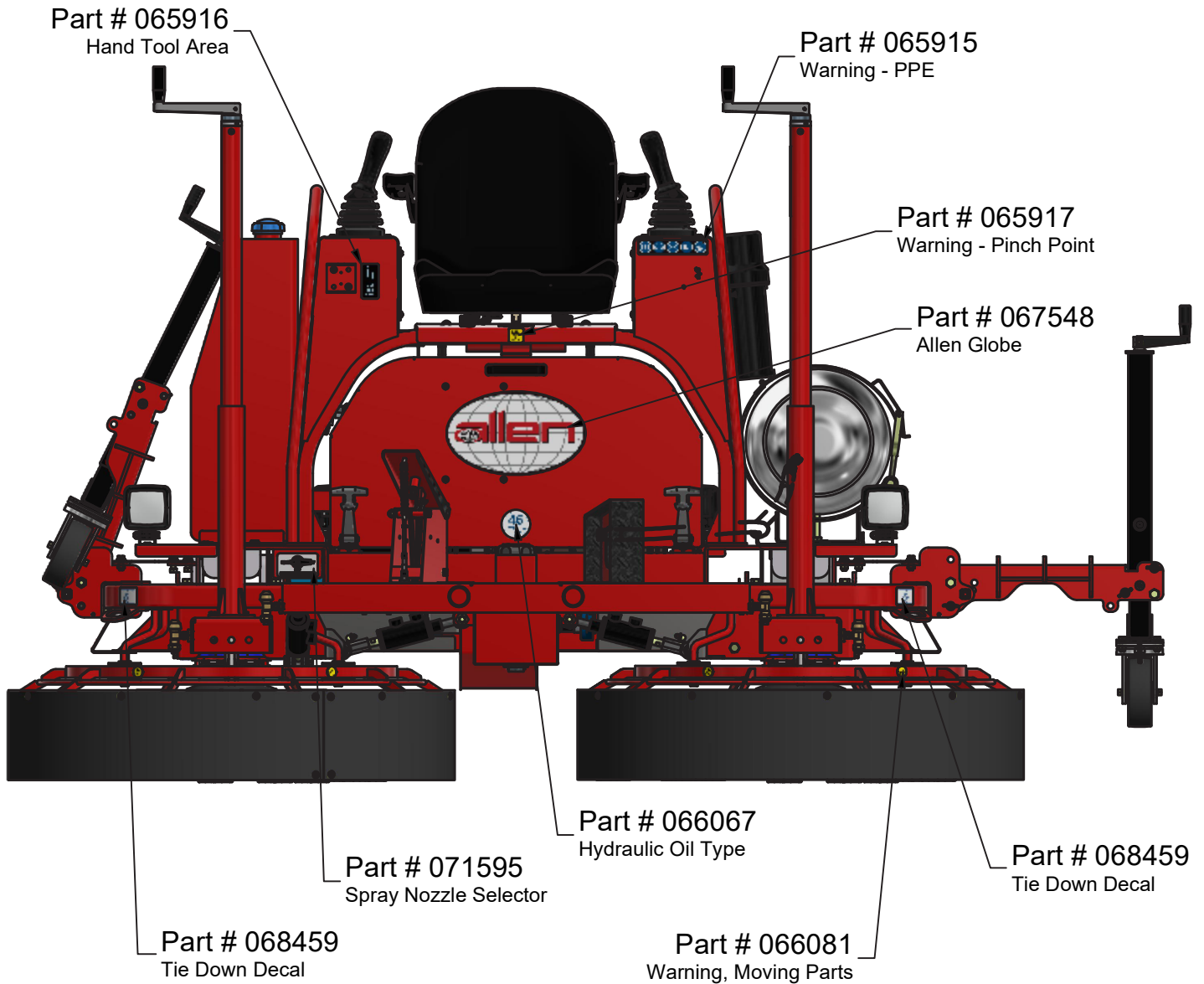
071665 - RP245 - Hydraulic Component Kit			
ITEM	PART #	DESCRIPTION	QTY
1	064818	Joystick, Left Hand	1
2	064817	Joystick, Right Hand	1
3	072601	Steering Cylinder, 1.5" x 5/8" x 1/2", Left/Right/Forward/Reverse	3
4	046735	Steering Manifold	1
5	046732	Strainer, Suction, 3/4" x 1/2"	1
6	046729	Filter, Spin-On	1
7	046730	Element, Filter, Spin-On	1
8	F10350	Breather, NPT, with Custom Dipstick	1
9	052930	Cooler	1
10	066794	Gear Pump	1

071678 - RP245 - Pneumatics Kit			
ITEM	PART #	DESCRIPTION	QTY
1	071016	28301	4
2	071596	KQ2L-11	5
3	071597	KQ2VF11-36AS	1
4	071598	KQ2L11-U03A	1
5	071599	KQ2T11-00A	2
6	071601	KQ2H11-35AS	3
7	071602	44681	1
8	071681	SF-6502-6-6	1
9	071682	28158	1

SECTION 2 DECALS

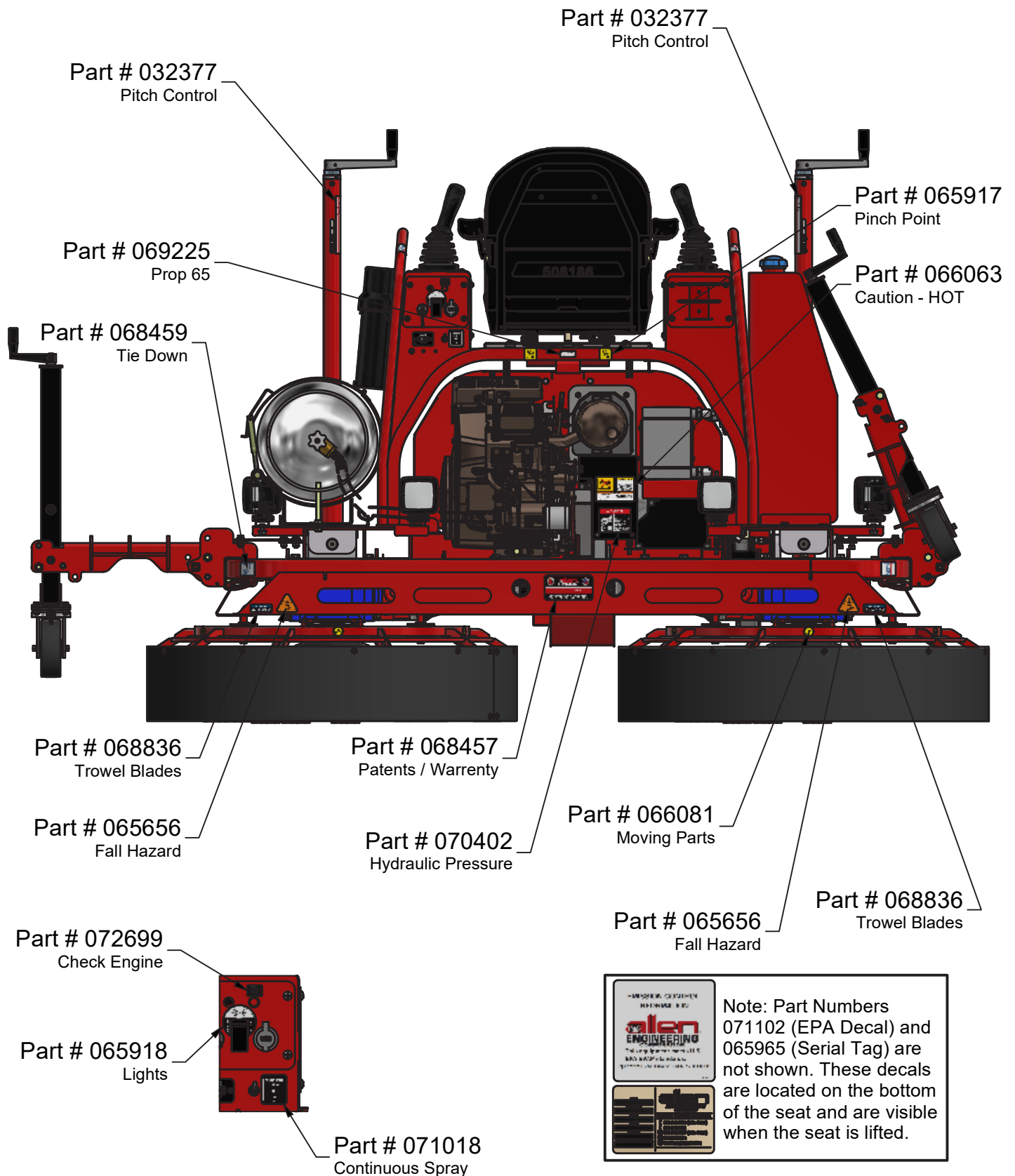
Decals - Front (Kit # : 070624)

SECTION 2 DECALS



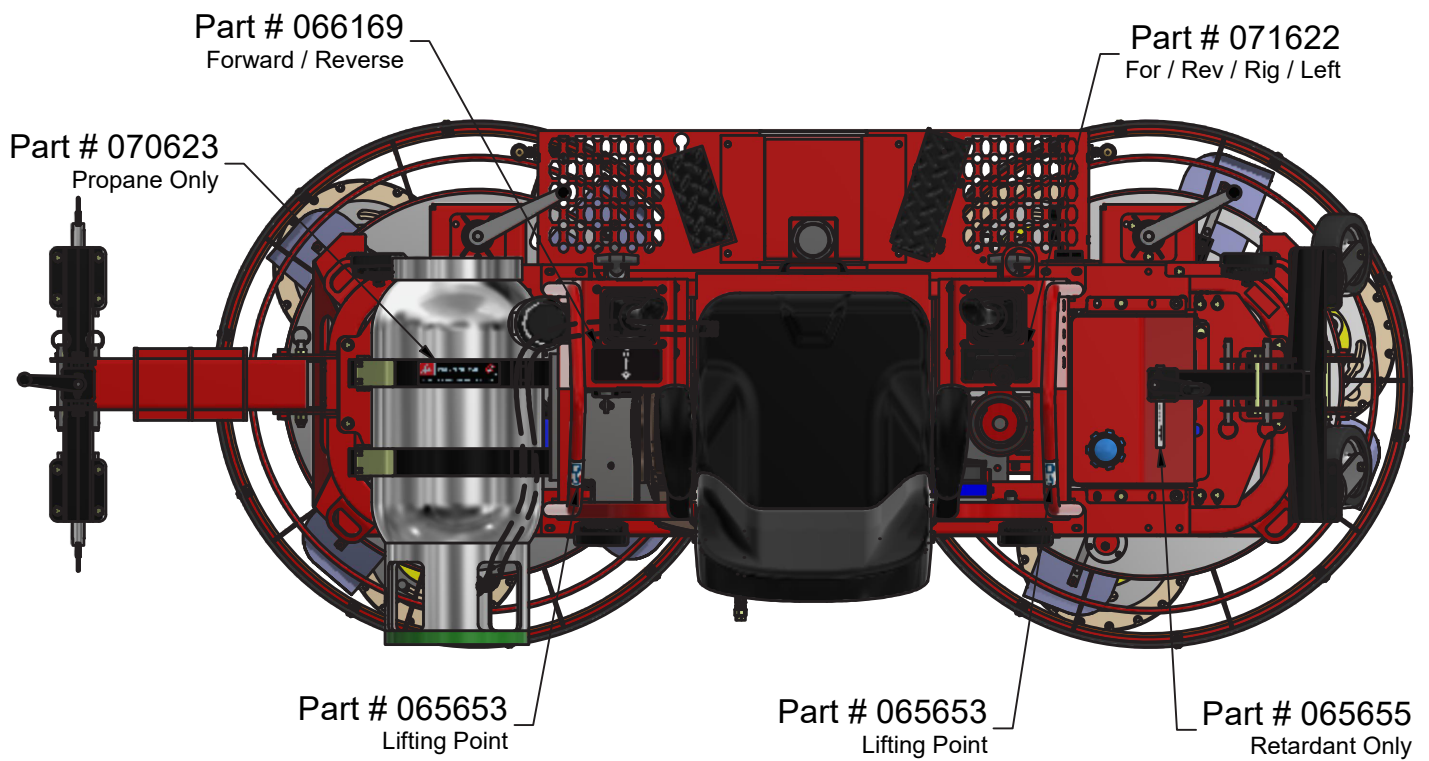
SECTION 2 DECALS

Decals - Rear (Kit #: 070624)



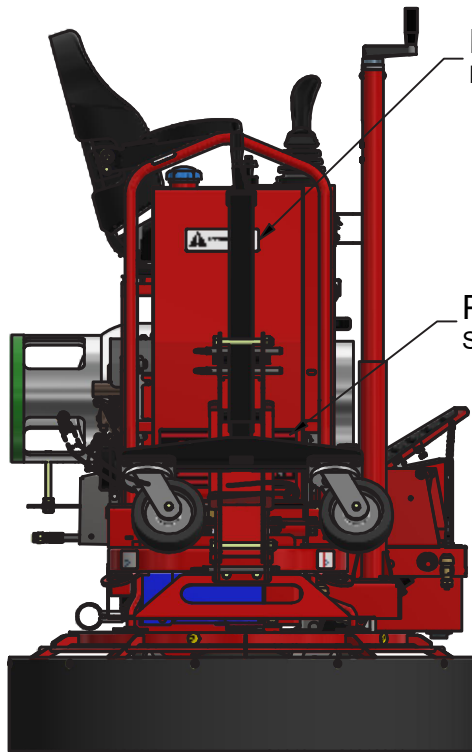
Decals - Top (Kit # : 070624)

SECTION 2 DECALS



SECTION 2 DECALS

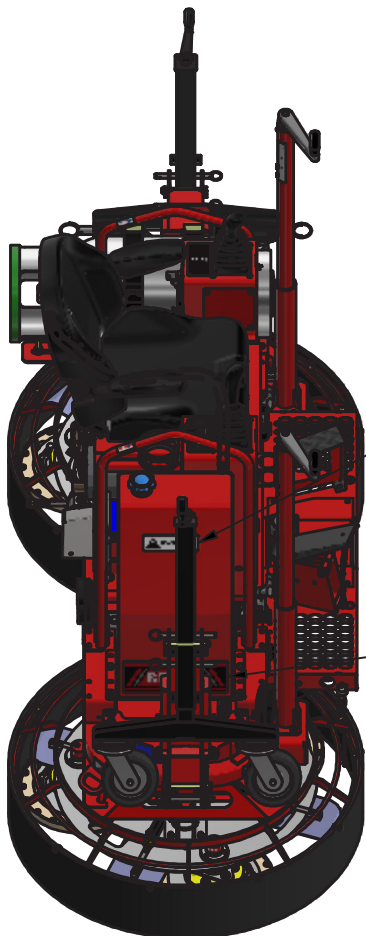
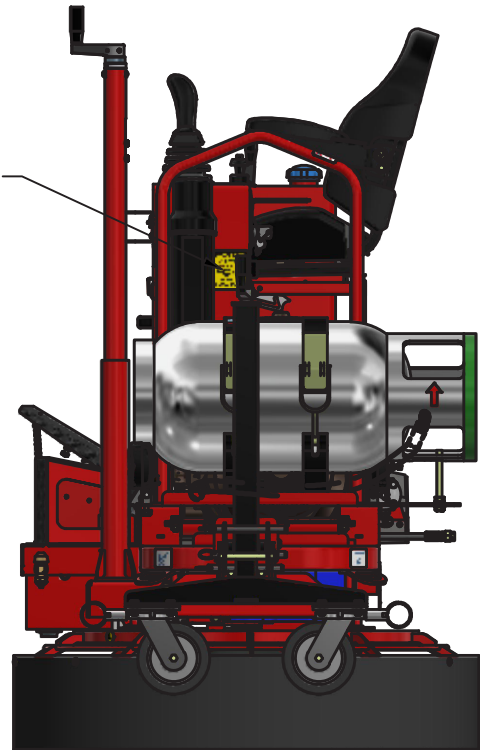
Decals - Right / Left (Kit #: 070624)



Part # 065655
Retardant Only

Part # 071537
Propane Tank Level

Part # 070625
Side Model Decal

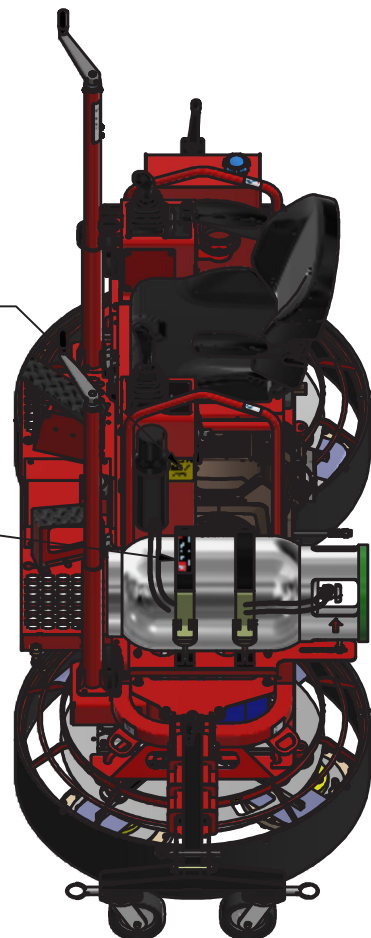


Part # 071537
Propane Tank Level

Part # 065655
Retardant Only

Part # 070623
Propane Only

Part # 070625
Side Model Decal



Revision Detail

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	06/20	Initial Release	MW
A	01/22	Updated Covers	MK

Copyright © 2020 Allen Engineering Corporation
All rights reserved

All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication. No part of this manual may be reproduced or transmitted in any form or by any means, electronics or mechanical, for any purpose, without the express written permission of Allen Engineering Corporation (AEC). AEC assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual.

Allen Products are covered under one or more of the following patent numbers:
10,100,537; 9,068,301; 9,068,300; 8,360,680; 7,690,864; 7,114,876B1; 6,857,815B2; 6,582,153
With other Patents Pending.

Printed in U.S.A.



AEC FACTORY & HEADQUARTERS

819 S. 5TH STREET
PARAGOULD, ARKANSAS 72450
870.236.7751
800.643.0095 (TOLL FREE (USA ONLY))

MAILING

PO BOX 819
PARAGOULD, ARKANSAS 72451

ALLENENG.COM

CONNECT WITH US ON SOCIAL

