

RIDING TROWEL

MSP465



PARTS & DECALS MANUAL

Manual Part #: 069598P | Revision: F
Language: English | Original Instructions



For information regarding the following, please see the “MSP465 - Safety & Operator Manual”

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

MSP465 RIDING TROWEL

PARTS & DECAL MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
074200	MSP465, 8ft, Kubota 57HP, Gas, Mechanical Steering

Table of Contents

Sect No.	Title	Page
	Table of Contents	4
1	PARTS	5
	Factory Service Information	6
	Replacement Part Procedure	7
	General Assembly.....	8
	Seat Frame Assembly	10
	Main Frame Assembly	12
	Pitch Control Assembly (OLD)	16
	Pitch Control Assembly (Current)	18
	Fuel System Assembly	20
	Fuel System Parts List.....	21
	Spray System Assembly	22
	Steering System Assembly	24
	Power Unit Assembly (074180).....	26
	Rotor Assembly - Left Hand.....	28
	Rotor Assembly - Right Hand.....	30
	Lower Rotor Assembly - Left Hand	32
	Lower Rotor Assembly - Right Hand	33
	Spider Assembly - Left Hand	34
	Spider Assembly - Right Hand	35
	Service Parts, Filters.....	36
2	DECALS	37
	MSP 465 Decals (Kit #: 074342).....	38
	MSP 465 Decals (Kit #: 074342).....	39
	MSP 465 Decal Parts List (Kit #: 074342).....	40
	Revision Detail.....	41

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:

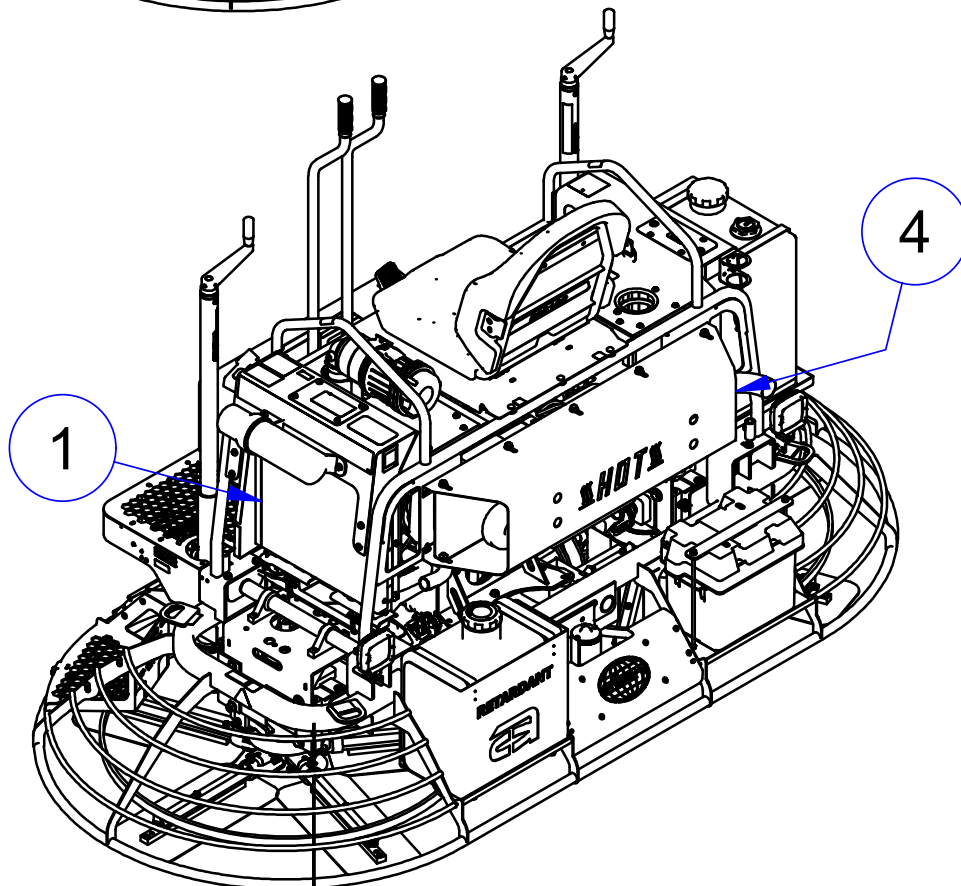
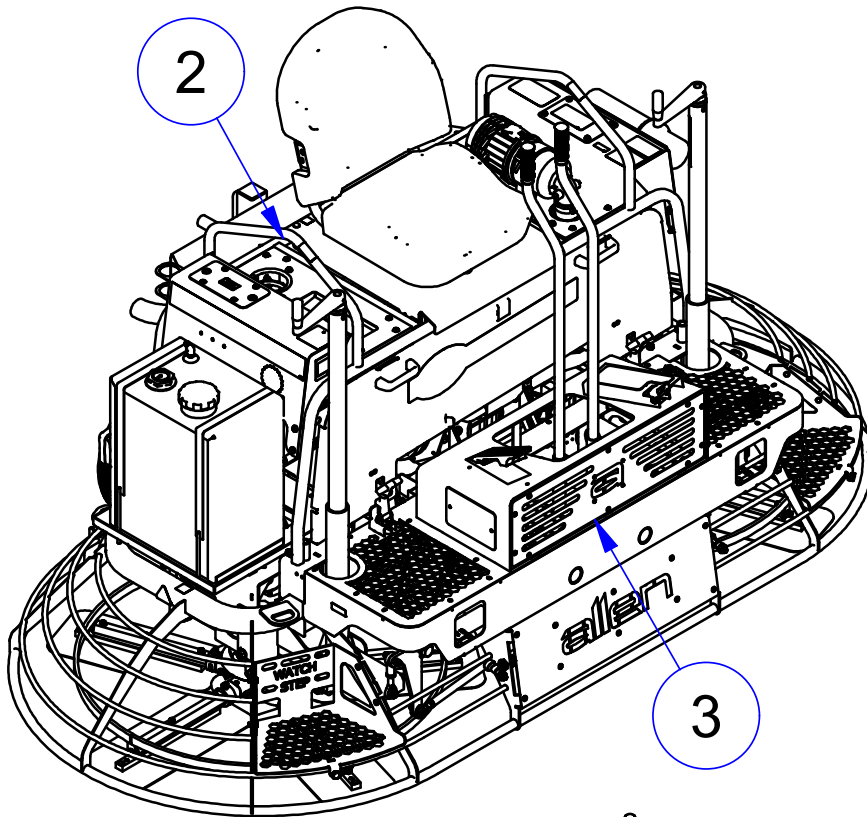
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO 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

General Assembly



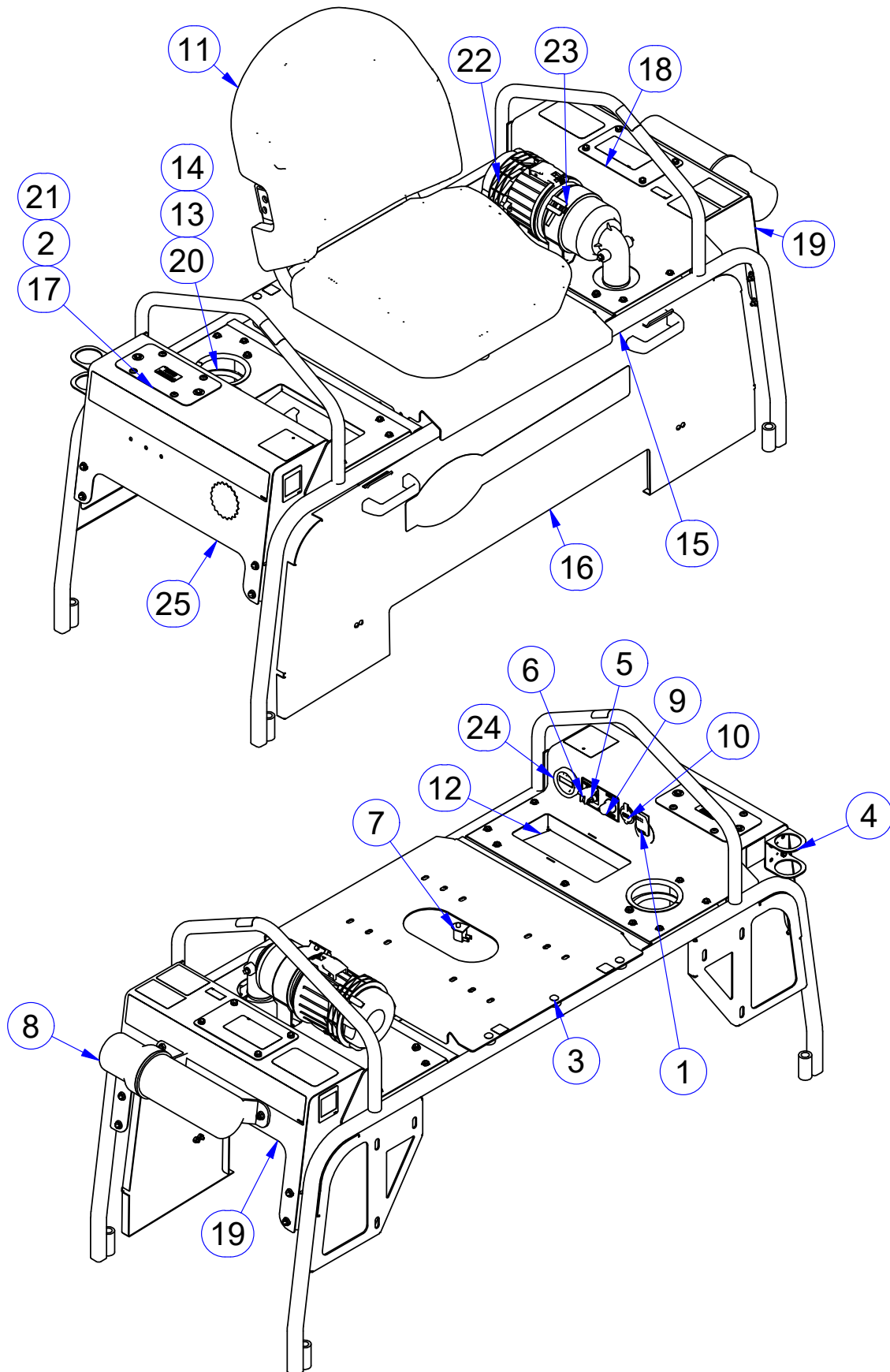
General Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074200	ASSEMBLY, MSP465	-
-	073447	WIRING HARNESS (COMES W/ ENGINE))	1
-	078111	HARNESS, LIGHT WIRING (6 LIGHT VERSION))	1
-	080575	HARNESS, LIGHT WIRING (4 LIGHT VERSION)	1
-	074342	KIT, DECAL MSP 465	1
-	074139	KIT, HYD. SPRAY & LUBRICATION	1
1	074180	ASSEMBLY, POWER UNIT	1
2	074230	ASSEMBLY, SEAT FRAME	1
3	075910	ASSEMBLY, MAINFRAME	1
4	077701	ASSEMBLY, MUFFLER SHIELD	1

SECTION 1 PARTS

Seat Frame Assembly



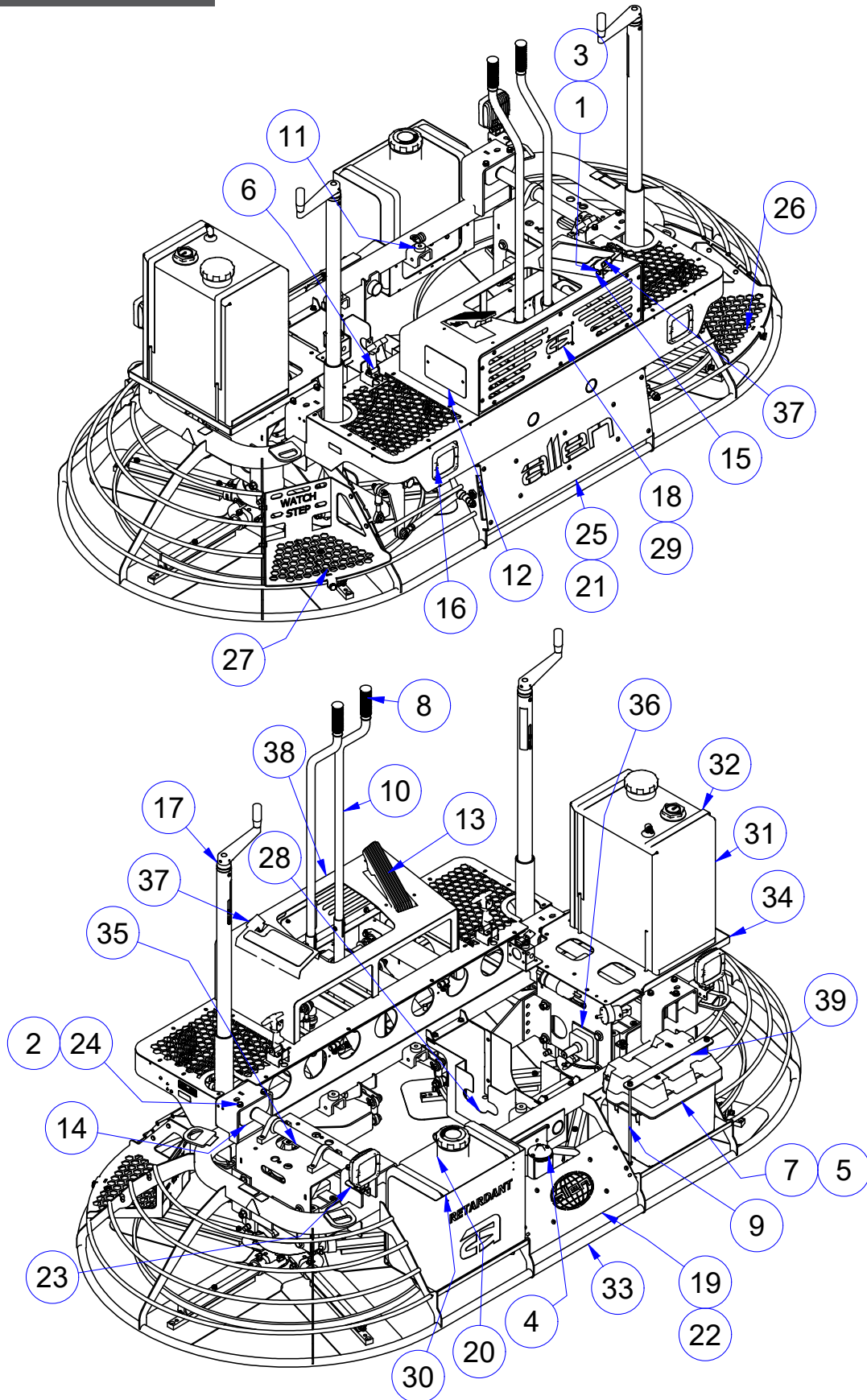
Seat Frame Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074230	ASSEMBLY, SEAT FRAME, MSP465	-
1	032125	SWITCH, ROCKER	1
2	038965	BLOCK, FUSE, 8-WAY	1
3	047665	RUBBER BUMPER	3
4	049632	TOOL HOLDER BRACKET	1
5	050603	TOGGLE SWITCH, ON/OFF	1
6	050604	COVER FOR TOGGLE SWITCH	1
7	061374	KILL SWITCH, SEAT	1
8	066255	TUBE, FOR MANUAL	1
9	068956	SWITCH, MOMENTARY ENGINE ON/OFF	1
10	069850	USB RECEPTACLE, 12V DC	1
11	069874	SEAT	1
12	071106	RUBBER F/ PHONE TRAY	1
13	071123	RUBBER TRIM CUT 11-11/16"	1
14	071124	RUBBER TRIM CUT 9-3/16"	1
15	074231	WELDMENT, SEAT FRAME	1
16	074240	ASSEMBLY, FRONT SCREEN	1
17	074243	COVER F/ FUSE PANEL	1
18	074244	COVER F/ COOLANT FILL	1
19	074245	WELDMENT, LH SEAT FRAME PANEL	1
20	074251	WELDMENT, CUT HOLDER	1
21	074254	BRACKET, MOUNT F/ FUSE BLOCK	1
22	074365	AIR CLEANER W/ 90° INLET	1
23	074366	BAND MOUNT F/ AIR CLEANER	1
24	074704	DISPLAY, PV25 2" ROUND	1
25	075225	WELDMENT, RH SEAT FRAME PANEL	1

SECTION 1 PARTS

Main Frame Assembly



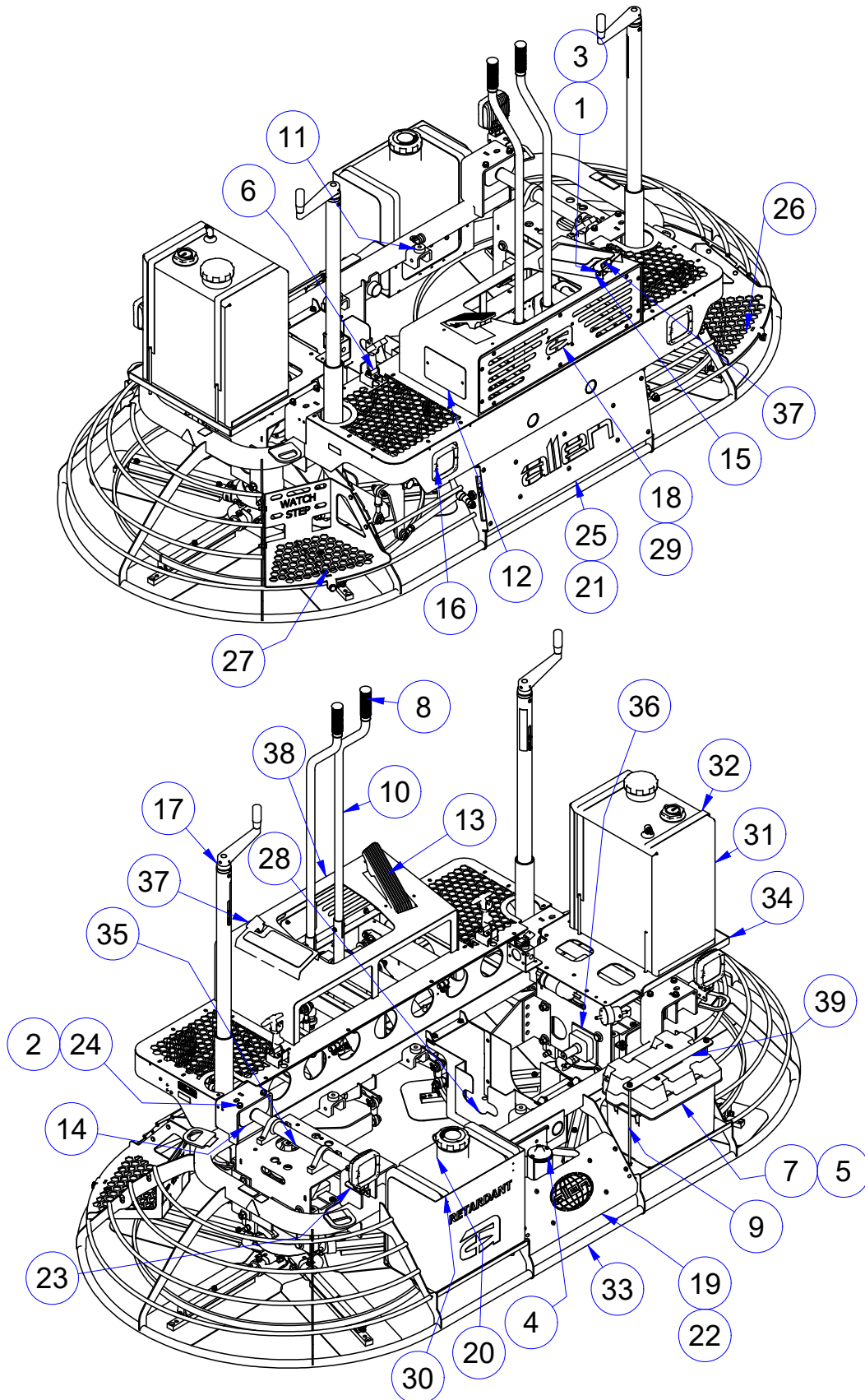
Main Frame Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	075910	ASSEMBLY, MAIN FRAME, MSP465	-
1	010009	FASTENER, HHCS 1/4"-20 X 2-1/2"	1
2	010091	FASTENER, LOCK WASHER 3/8"	8
3	029671	FASTENER, HEX NUT NYLOCK 1/4"-20	15
4	033735	PUMP, SPRAY SYSTEM	1
5	037771	BATTERY, 12V	1
-	069666	BATTERY CABLE, POSITIVE 55"	1
-	069667	BATTERY CABLE, NEGATIVE 62"	1
6	042260	LATCH FOR FRONT SCREEN	2
7	046696	BATTERY BOX	1
8	048354	GRIP FOR STEERING HANDLE	2
9	048589	ROD, BATTERY HOLD DOWN 1/4"-20	2
10	048896	JOYSTICK, STEERING	2
11	048901	MOUNT, 250 LB MOTOR ISOLATOR	4
12	060492	PLATE, SIDE COVER TOP DECK	1
13	063341	FOOT PEDAL, ELECTRONIC	1
14	064260	ASSEMBLY, BEARING BLOCK W/ BRONZE BEARING (068157)	4
15	068956	SWITCH, MOMENTARY FOR SPRAY	1
16	069835	LIGHT, LED 1200 LUMENS	4
17	070570	ASSEMBLY, PITCH CONTROL	2
18	071074	FRONT DECK COVER	1
19	071089	REAR CENTER COVER	1
20	071536	TANK, WATER 7 GAL	1
21	072739	PLATE, BACKER F/ FRONT	1
22	072856	PLATE, BRACKET F/ REAR CENTER	1
23	073392	BRACKET, REAR F/ LIGHT	2
24	074068	FASTENER, HHCS 3/8"-16 X 1"	8
25	074206	PLATE, FRONT CENTER COVER	1
26	074211	WELDMENT, LEFT HAND STEP	1
27	074214	WELDMENT, RIGHT HAND STEP	1
28	074225	WELDMENT, BELT GUARD	1
29	074535	PLATE, BACKING SMALL RED	1
30	075422	GUARD, FOR 7 GAL TANK RETARDANT	1

SECTION 1 PARTS

Main Frame Assembly



Main Frame Parts List Continued

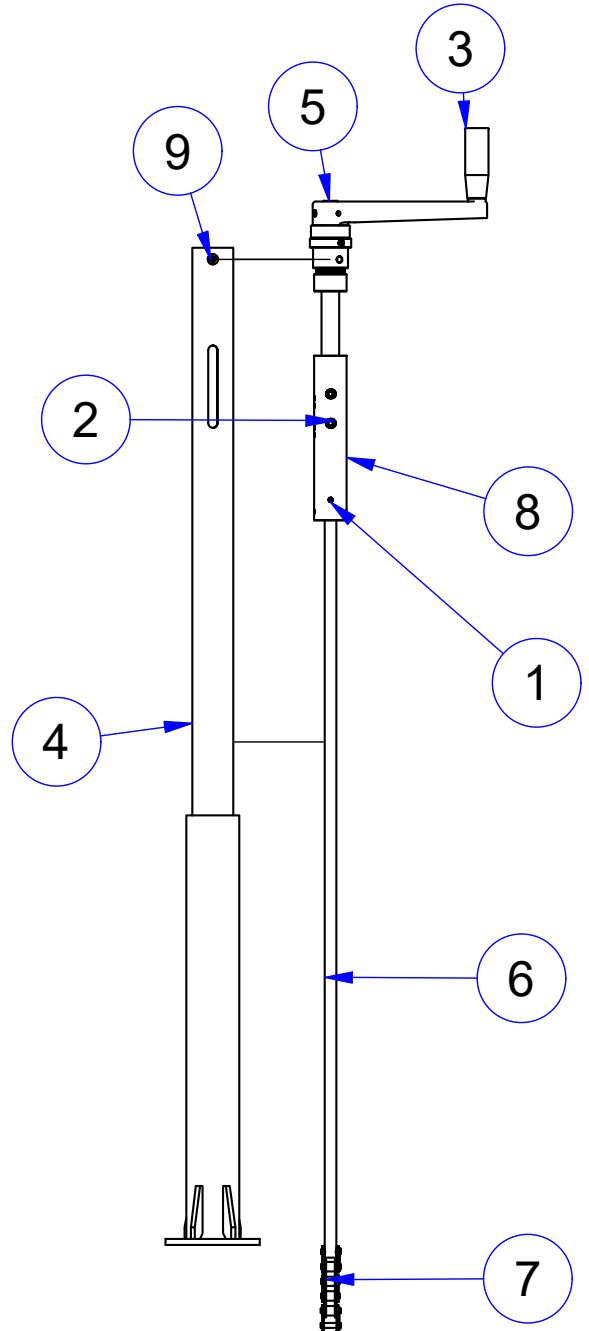
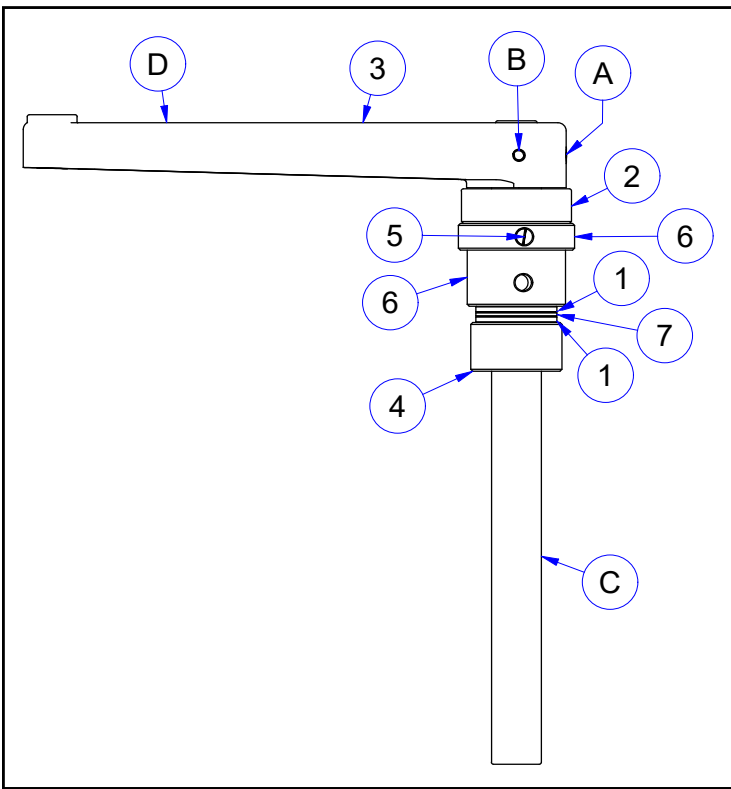
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	075910	ASSEMBLY, MAIN FRAME, MSP465	-
31	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
32	075649	WELDMENT, HOLD DOWN STRAP FOR FUEL TANK	2
33	075920	WELDMENT, MAIN FRAME	1
34	075936	TRAY, F/ 10 GAL TANK MOUNT	1
35	076020	ASSEMBLY, LH ROTOR	1
36	076021	ASSEMBLY, RH ROTOR	1
37	076300	WELDMENT, PEDAL F/ WATER SWITCH	1
38	077594	WELDMENT, FRONT DECK	1
39	079455	BATTERY HOLD DOWN BAR	1

SECTION 1 PARTS

Pitch Control Assembly (OLD)

ITEM 5 (061529) DETAILS



Pitch Control (OLD) Parts List

SECTION 1 PARTS

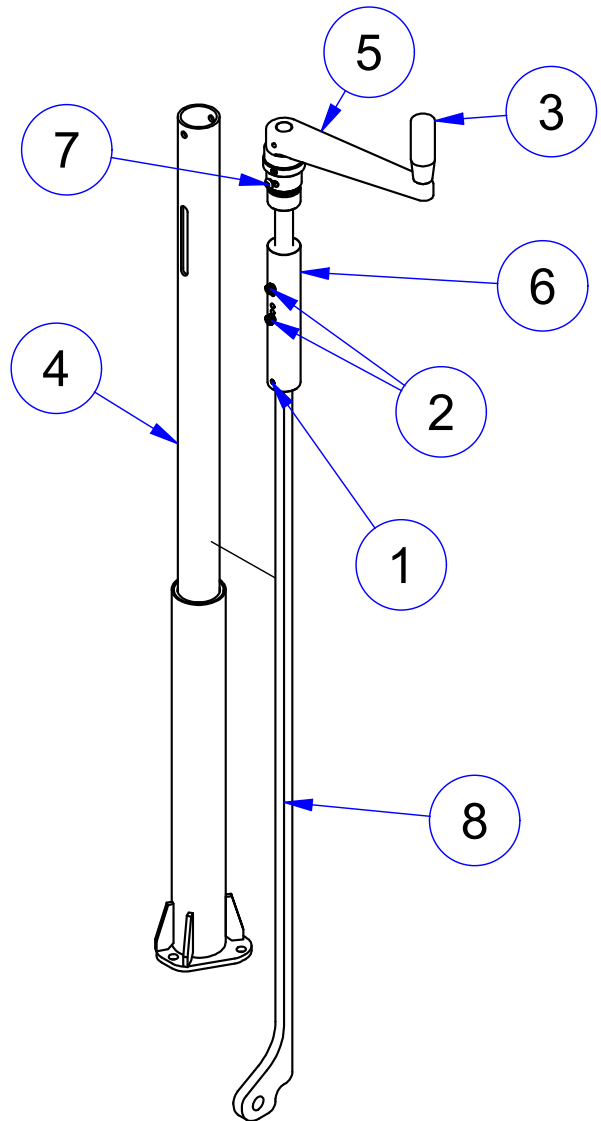
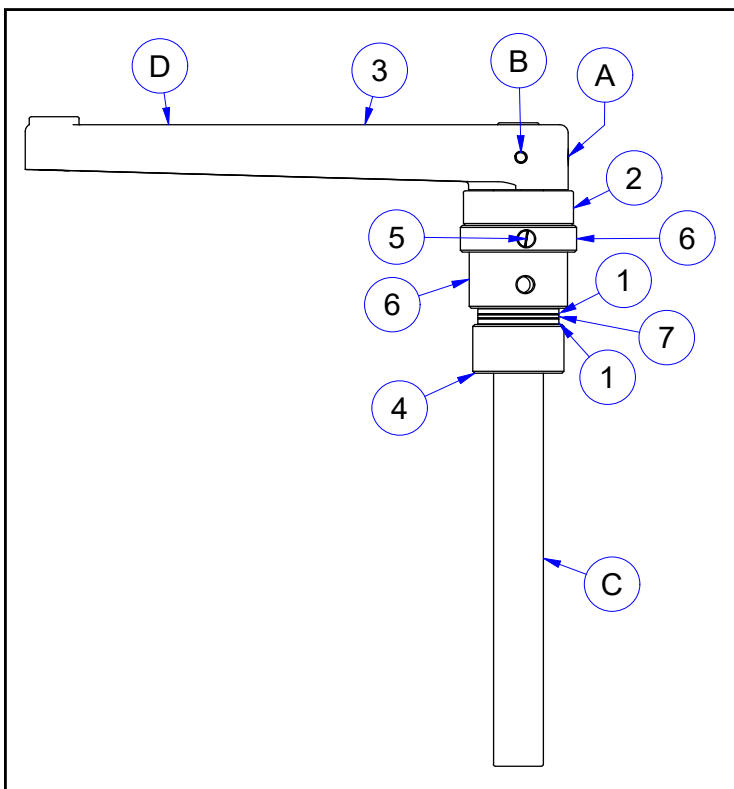
ITEM	PART NO.	DESCRIPTION	QTY
-	070570	ASSEMBLY, PITCH CONTROL	2
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061529	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
6	070571	ROD FOR PITCH CONTROL ASSEMBLY	1
7	070752	CHAIN	1
8	075902	BUSHING, SLIDE	1
9	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8" SS THREAD LOCKING	2

ITEM	PART NO.	DESCRIPTION	QTY
-	061529	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
1	012710	RACE F/ THRUST BEARING	2
2	015742	BEARING, THRUST	1
3	026541	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
4	032191	STOP FOR HANDLE	1
5	036797	FASTENER, BALL PLUNGER 1/4"-20	2
6	036914	BUSHING F/ PITCH CONTROL	1
7	100340	BEARING, THRUST NTA-1220	1
ITEM 3 (026541) DETAILS			
A	013374	FASTENER, SET SCREW 1/4"-28 X 1/4"	1
B	018289	SPRING ROLL 3/16" X 1-1/4"	1
C	029997	SHAFT, SCREW ADJUSTMENT F/ PITCH CONTROL	1
D	037693	HANDLE F/ PITCH CONTROL	1

SECTION 1 PARTS

Pitch Control Assembly (Current)

ITEM 5 (061529) DETAILS



Pitch Control (Current) Parts List

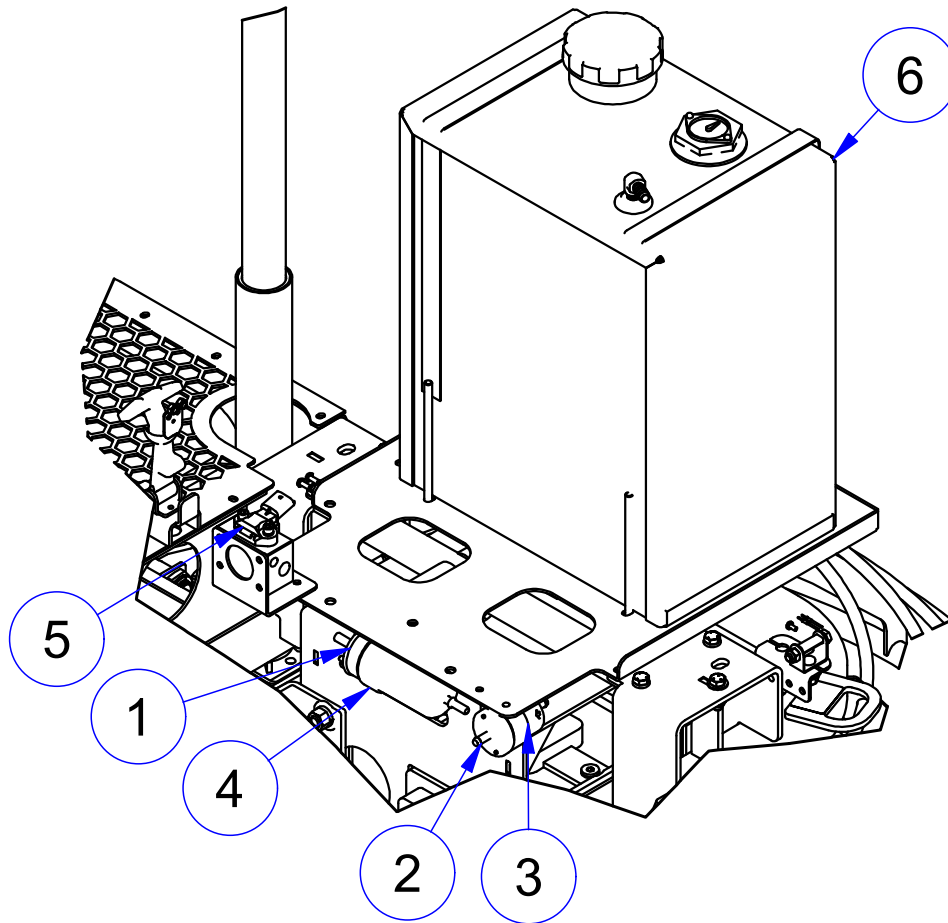
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070570	ASSEMBLY, PITCH CONTROL	2
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061529	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
6	075902	BUSHING, SLIDE	1
7	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8 W/ THREAD LOCKING (OLD PART 015410)	2
8	080522	PITCH TUBE ROD	1

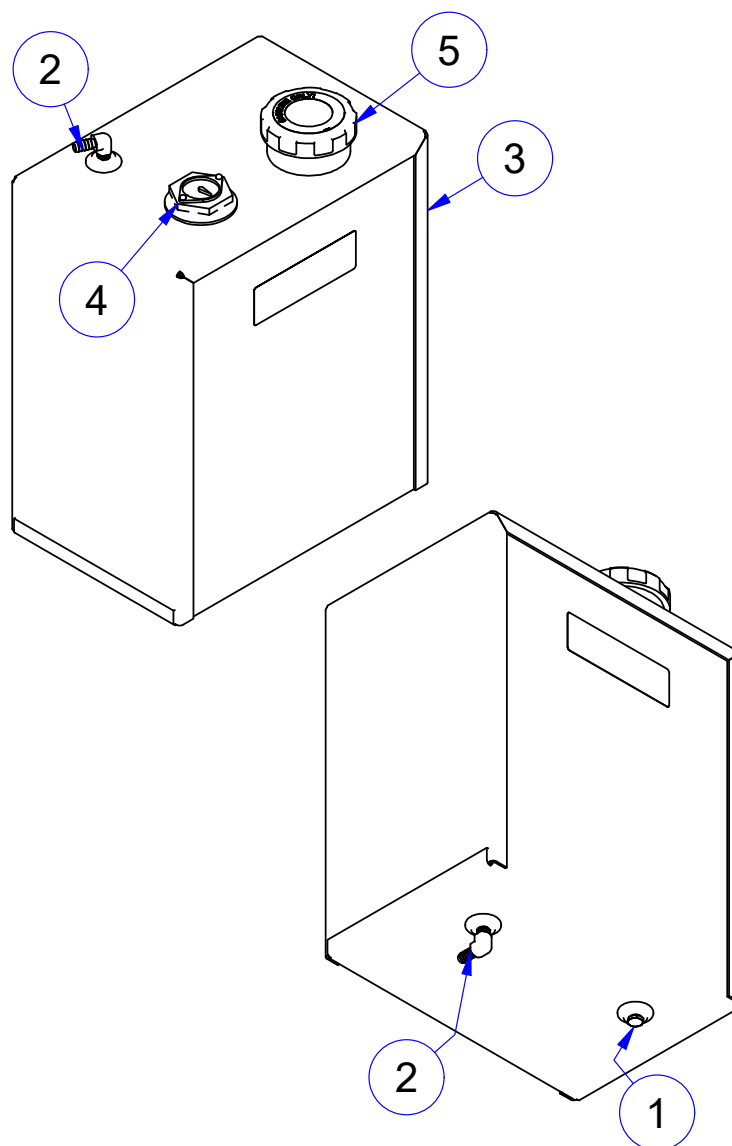
ITEM	PART NO.	DESCRIPTION	QTY
-	061529	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
1	012710	RACE F/ THRUST BEARING	2
2	015742	BEARING, THRUST	1
3	026541	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
4	032191	STOP FOR HANDLE	1
5	036797	FASTENER, BALL PLUNGER 1/4"-20	2
6	036914	BUSHING F/ PITCH CONTROL	1
7	100340	BEARING, THRUST NTA-1220	1
ITEM 3 (026541) DETAILS			
A	013374	FASTENER, SET SCREW 1/4"-28 X 1/4"	1
B	018289	SPRING ROLL 3/16" X 1-1/4"	1
C	029997	SHAFT, SCREW ADJUSTMENT F/ PITCH CONTROL	1
D	037693	HANDLE F/ PITCH CONTROL	1

SECTION 1 PARTS

Fuel System Assembly



ITEM	PART NO.	DESCRIPTION	QTY
1	067269	FUEL PUMP, WG1605 KUBOTA	1
2	043920	FUEL FILTER, WG1605 KUBOTA	1
3	067278	CLAMP, LOOP VIB. DAMPING 1-3/4" ID	1
4	067279	CLAMP, LOOP VIB. DAMPING 2" ID	1
5	069231	FUEL MANIFOLD, WG1605 KUBOTA	1
6	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
-	069399	FEMALE FUEL CONNECTOR	4
-	065990	HOSE, FUEL LINE 7/16" ID, INJECTION	13FT

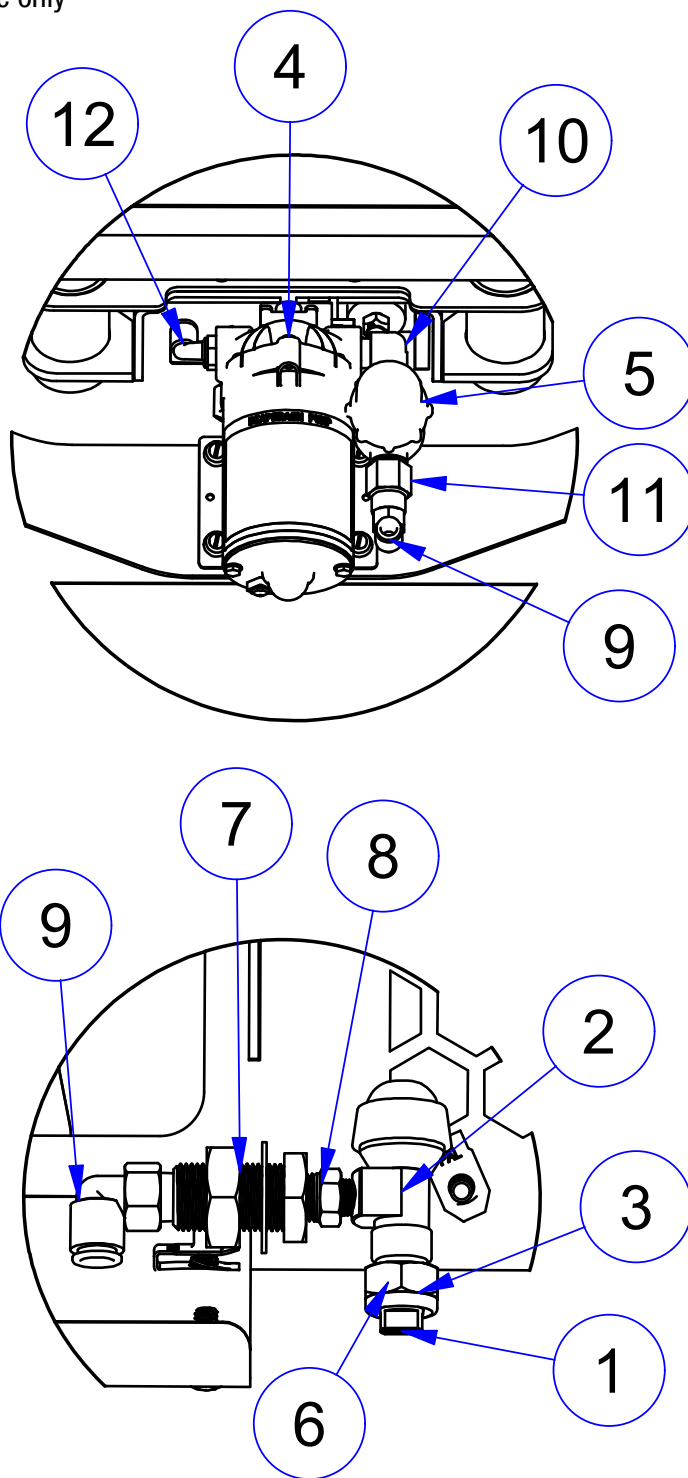


ITEM	PART NO.	DESCRIPTION	QTY
-	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
1	035564	PLUG, 1/4" HOLLOW PIPE HEX	1
2	064876	FITTING, 90DEG ELBOW 3/8" HOSE BARB	2
3	075644	WELDMENT, 10GALLON FUEL TANK	1
4	075652	GAUGE, 18" TALL F/ FUEL TANK	1
5	077886	CAP, BLACK 3-1/2" WITH TETHER	1

SECTION 1 PARTS

Spray System Assembly

Note: illustration for reference only



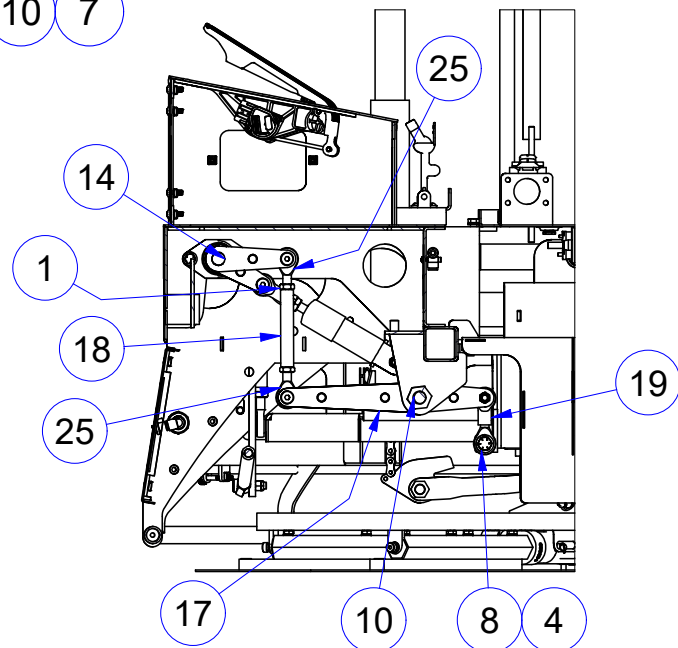
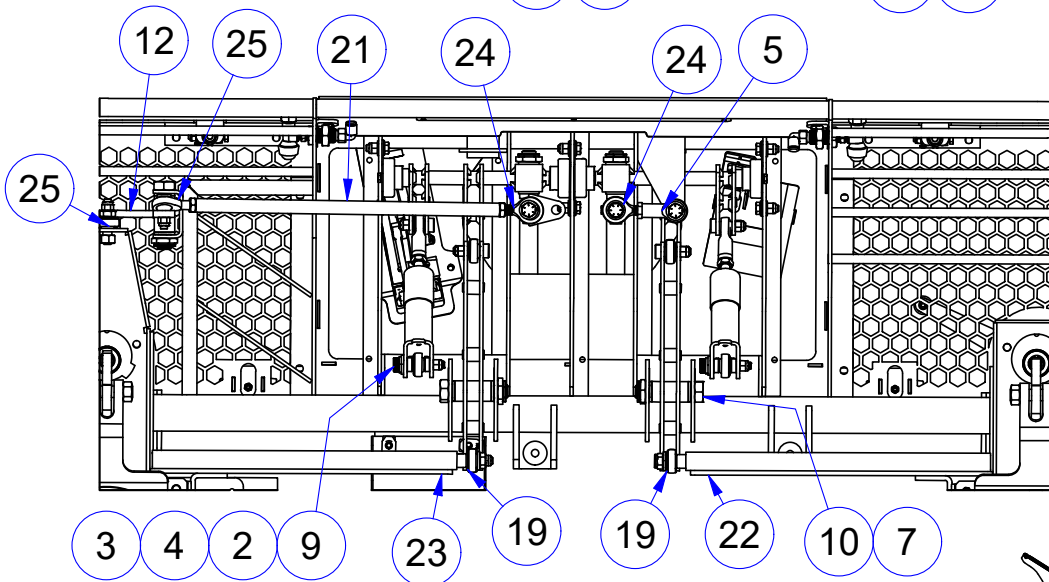
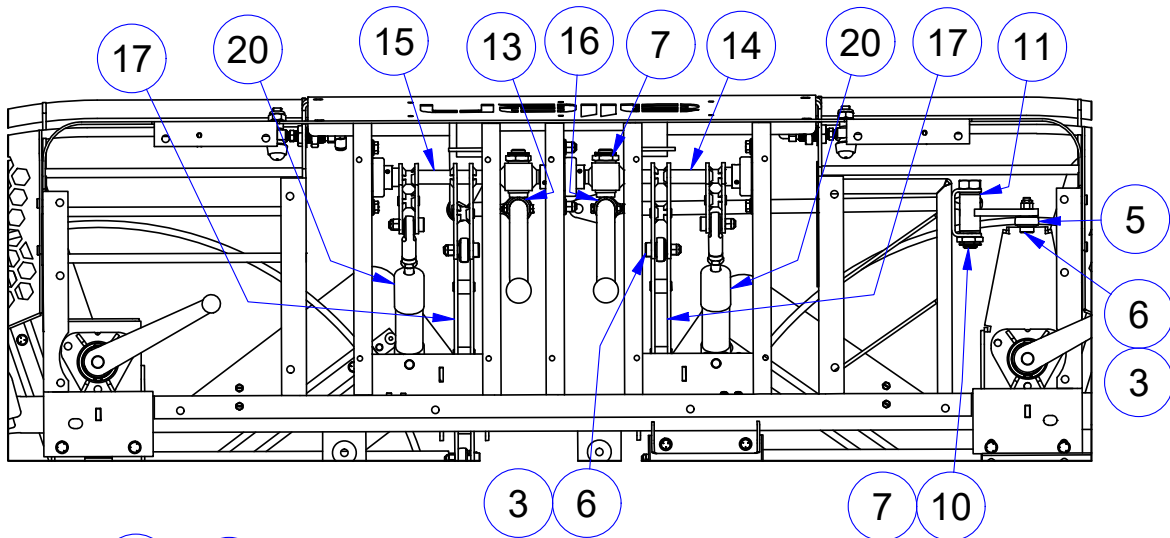
Spray System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074139	KIT, MP & MSP SPRAY AND LUBRICATION	-
1	012702	SPRAY TIP, FINE	2
2	012704	NOZZLE BODY, CHECK VALVE	2
3	012705	NOZZLE NUT	2
4	033735	PUMP, SPRAY SYSTEM	1
5	040209	FILTER, SPRAY SYSTEM	1
6	065244	FILTER, 50 MESH	2
7	071016	FITTING, BULK HEAD 1/4" NPT	2
8	071017	FITTING, REDUCING HEX NIPPLE 1/4"-1/8" NPT	2
9	071596	FITTING, ONE TOUCH ELBOW 1/4" NPT TO 3/8" FEMALE	3
10	071682	FITTING, ELBOW BASS 3/8" NPT	1
11	074128	FITTING, 3/8" X 1/4" REDUCER FEM X FEM	1
12	078110	FITTING, ONE TOUCH ELBOW 3/8" NPT MALE TO 3/8"	1

SECTION 1 PARTS

Steering System Assembly



Steering System Parts List

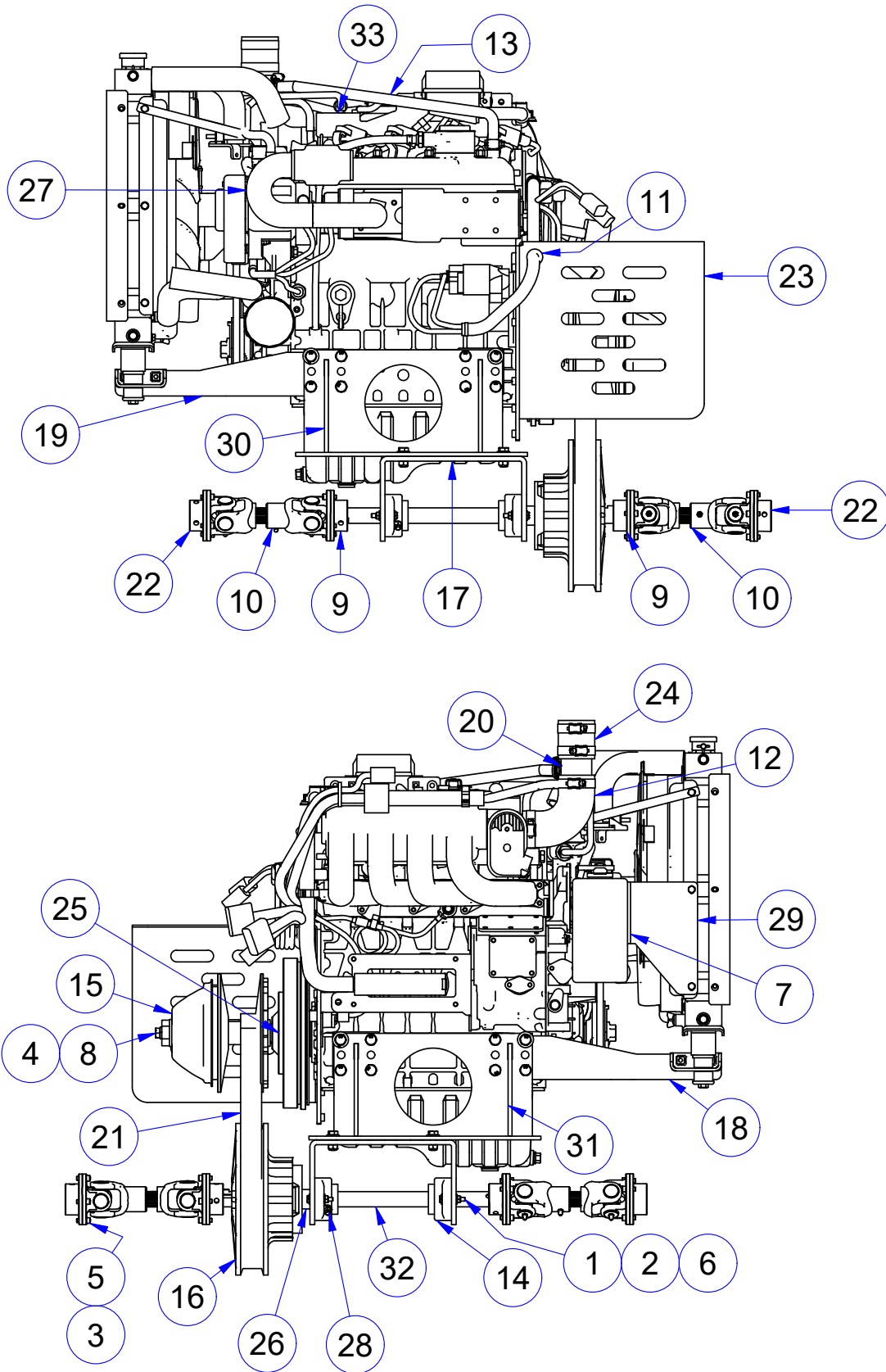
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010051	FASTENER, JAM HEX NUT 1/2"-20	7
2	010093	FASTENER, LOCK WASHER 1/2"	3
3	010464	FASTENER, HEX NUT NYLOCK 3/8"-16	19
4	011490	FASTENER, FLAT WASHER	6
5	019900	ROD END, FEMALE 1/2"	2
6	026267	FASTENER, SHLDR BOLT DIA 1/2" X 1", 3/8"-16	10
7	026447	FASTENER, HEX NUT NYLOCK 3/4"-10	5
8	046864	FASTENER, HHCS 1/2"-20 X 1-3/4"	5
9	069772	FASTENER, SHLDR BOLT DIA 1/2" X 1-7/8", 3/8"-16	2
10	070995	FASTENER, HHCS 3/4"-10 X 3-1/4"	3
11	074331	FLANGED BEARING	2
12	074534	WELDMENT, FULCRUM LEFT TO RIGHT	1
13	075906	WELDMENT, LH JOYSTICK MOUNT TUBE	1
14	075924	ASSEMBLY, RH STEERING LINKAGE	1
15	075925	ASSEMBLY, LH STEERING LINKAGE	1
16	075982	WELDMENT, RH STEERING JOYSTICK MOUNT	2
17	075985	ASSEMBLY, LOWER CONTROL ARM	2
18	075988	TUBE, LOWER CONTROL ARM LINKAGE	2
19	075989	ASSEMBLY, LOWER CONTROL ARM HEIM JOINT LINKAGE	2
20	075994	ASSEMBLY, ASSISTED STEER LINKAGE	2
21	076016	SHAFT, LINKAGE 16-3/4" LONG	1
22	076020	ASSEMBLY, LH ROTOR	1
23	076021	ASSEMBLY, RH ROTOR	1
24	076166	BALL JOINT, 1/2" SUPER SWIVEL	2
25	221408	ROD END, MALE 1/2"	8

Note: QTYs are for the entire mainframe assembly.

SECTION 1 PARTS

Power Unit Assembly (074180)



Power Unit Assembly (074180) Parts List

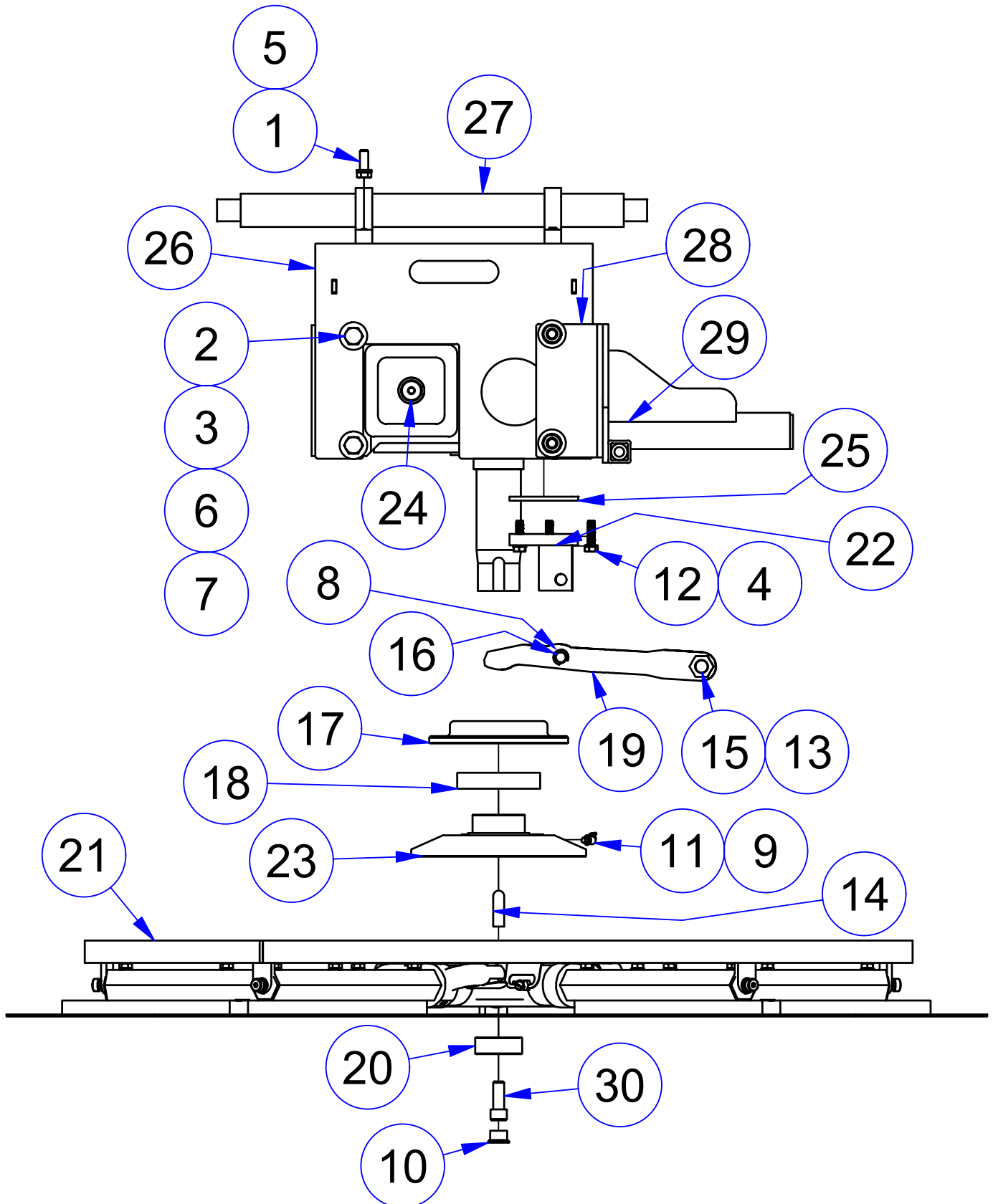
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010005	FASTENER, 1/4"-20 X 1-1/2"	4
2	010081	FASTENER, FLAT WASHER 1/4"	8
3	010089	FASTENER, LOCK WASHER 1/4"	16
4	010092	FASTENER, LOCK WASHER 7/16"	1
5	017314	FASTENER, SHCS 1/4"-20 X 5/8"	16
6	020514	FASTENER, STOVER LOCK NUT 1/4"-20	4
7	037791	OVERFLOW TANK, COOLANT	1
8	042280	FASTENER, HHCS M10X1.25X30 MM	1
9	047635	HUB, U-JOINT CENTER SHAFT, Ø1" BORE	2
10	047637	ASSEMBLY, U-JOINT, TELESCOPING	2
11	048959	GROMMET, 1/2"	1
12	049581	ELBOW, 2" ID 90° RUBBER	1
13	055642	FUEL LINE,, 7/16" LOW PERM	2FT
-	070607	(NOT SHOWN) CONNECTOR, FUEL TINE 5/16"	4
14	064254	BEARING, FLANGE, 1"	2
15	065967	CLUTCH, DRIVER	1
16	066107	PULLEY, DRIVEN	1
17	066678	WELDMENT, SUPPORT FOR DRIVE SHAFT BEARINGS	1
18	067246	BRACKET, MOUNT, RADIATOR, RIGHT HAND	1
19	067247	BRACKET, MOUNT, RADIATOR, LEFT HAND	1
20	067367	INTAKE HOSE CONNECTOR	1
21	067506	BELT, FOR CVT	1
22	068500	HUB, U-JOINT Ø24 MM BORE	2
23	069299	GUARD, FOR CLUTCH	1
24	069730	SLEEVE, SILICONE, 2" I.D. X 2-1/2" LONG	1
25	071370	STUB SHAFT, TO CLUTCH	1
26	071371	SPACER, DRIVE SHAFT	1
27	071379	EXHAUST WRAP 2" WIDE	1
28	073817	FITTING, STRAIGHT PUSH IN FOR 4mm TUBING 1/8" NPT	1
29	074181	BRACKET, COOLANT RECOVERY BOTTLE	1
30	075217	WELDMENT, ENGINE MOUNT REAR	1
31	075218	WELDMENT, ENGINE MOUNT FRONT	1
32	075219	DRIVE SHAFT	1
33	078135	ENGINE, WG1605	1

ITEM	PART #	DESCRIPTION	QTY
1	043920	(REPLACEMENT) FILTER, FUEL, KUBOTA WG1605	1
2	064828	(REPLACEMENT) FILTER, OIL, KUBOTA WG1605	1
3	069428	(REPLACEMENT) FILTER, AIR, PRIMARY, KUBOTA WG1605	1
4	069429	(REPLACEMENT) FILTER, AIR, SAFETY, KUBOTA WG1605	1

SECTION 1 PARTS

Rotor Assembly - Left Hand



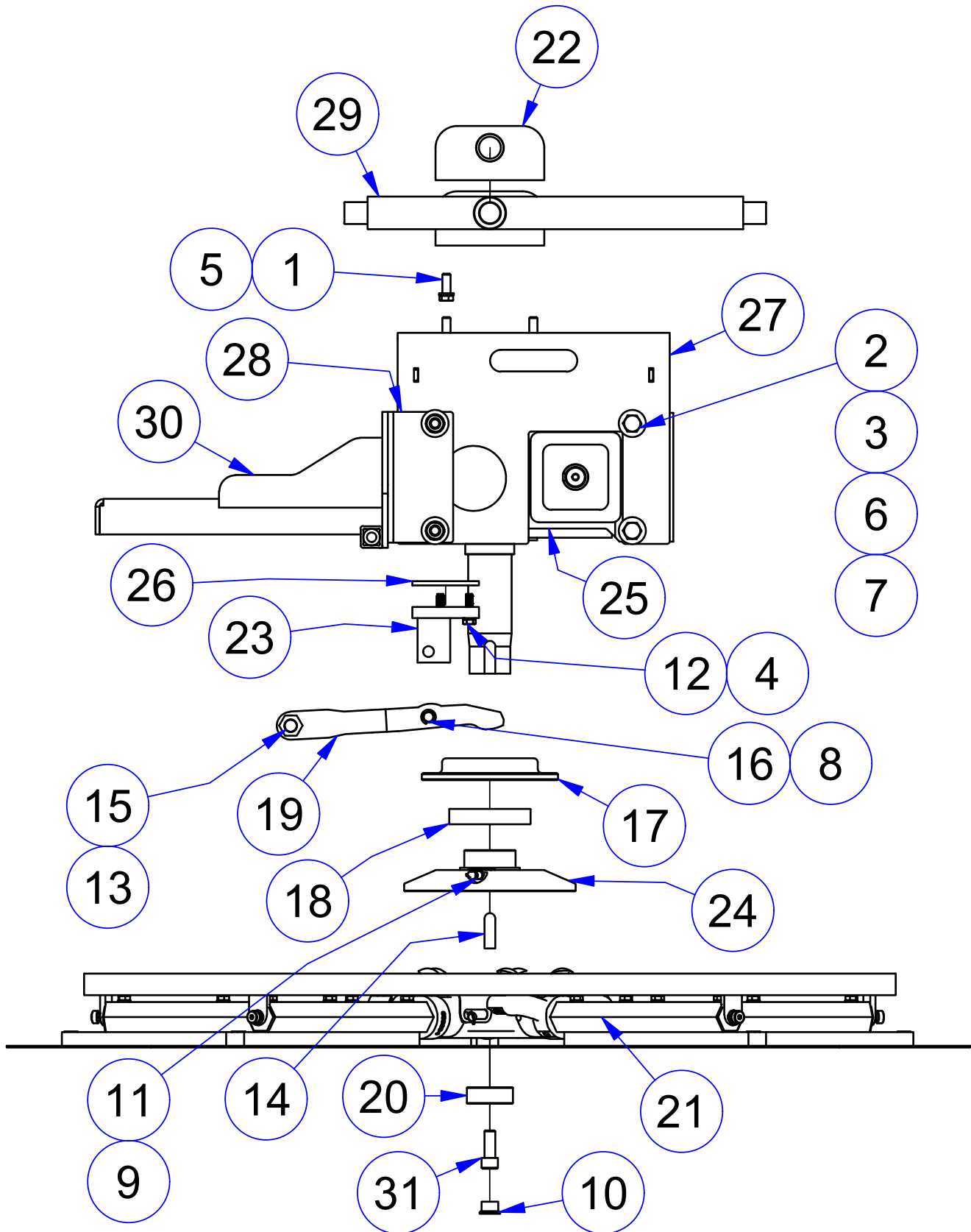
Rotor Assembly - Left Hand Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	076020	ASSEMBLY, ROTOR LEFT HAND	-
1	010036	FASTENER, HHCS 3/8"-16 X 1"	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4" GRADE 8	8
3	010085	FASTENER, FLAT WASHER 1/2" GRADE 8	8
4	010090	FASTENER, LOCK WASHER 5/16" GRADE 8	4
5	010091	FASTENER, LOCK WASHER 3/8"	4
6	010093	FASTENER, LOCK WASHER 1/2" GRADE 8	8
7	010106	FASTENER, HEX NUT 1/2"-13 GRADE 8	8
8	015677	RETAINING RING, DIA. 7/16" E-STYLE	2
9	015692	GREASE CAP, DIA. 1/4"	1
10	015693	PLUG, PLASTIC CAP EC12	1
11	018510	FITTING, 1/4"-28 NPT 45° GREASE	1
12	037820	FASTENER, HHCS 8 X 1.25 X 30 mm	4
13	043269	FASTNER, NUT STOVER 5/8"-18	1
14	046231	KEY, FOR ROTOR SHAFT	1
15	047354	FASTENER, HHCS 5/8"-18 X 2-1/4" GRADE 8	1
16	048628	PIN, YOKE ARM	1
17	049599	CAP, PRESSURE PLATE	1
18	049697	BEARING, BALL THRUST	1
19	049698	PITCH YOKE ARM	1
20	049708	RETAINING WASHER	1
21	060543	ASSEMBLY, SPIDER LH	1
22	065231	BRACKET, FOR GEARBOX	1
23	067589	PRESSURE PLATE	1
24	068161	GEARBOX, LH	1
25	069653	SHIM, FOR GEARBOX	1
26	074183	WELDMENT, LH GEARBOX HOUSING	1
27	074186	WELDMENT, 2 WAY CROSSHEAD	1
28	074192	MOUNTING BRACKET, F/ STEERING ARM	1
29	076017	WELDMENT, LH STEERING ARM F/ ASSISTED STEERING	1
30	079363	FASTENER, SHCS 1/2"-13 X 1-1/4" RH (WAS 015691)	1

SECTION 1 PARTS

Rotor Assembly - Right Hand



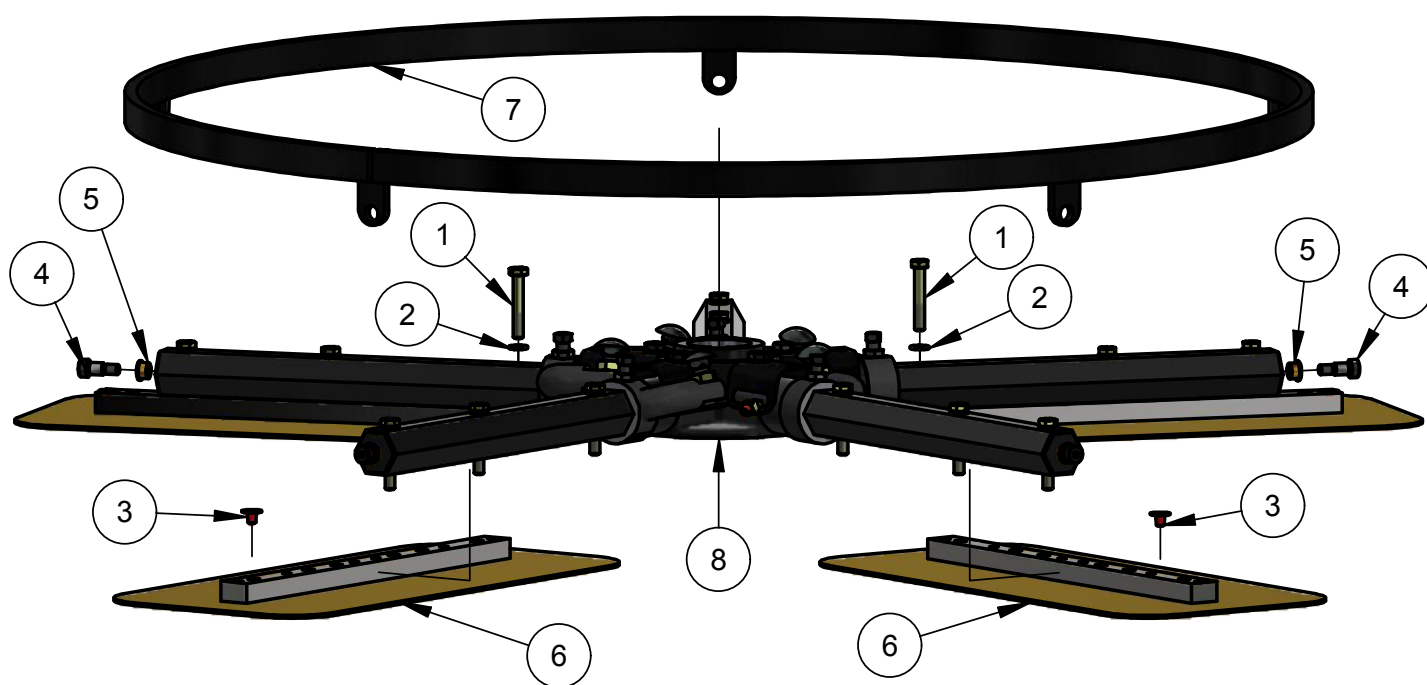
Rotor Assembly - Right Hand Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	076021	ASSEMBLY, ROTOR, RIGHT HAND	-
1	010036	FASTENER, HHCS 3/8"-16 X 1"	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4" GRADE 8	8
3	010085	FASTENER, FLAT WASHER 1/2" GRADE 8	8
4	010090	FASTENER, LOCK WASHER 5/16"	4
5	010091	FASTENER, LOCK WASHER 3/8"	4
6	010093	FASTENER, LOCK WASHER 1/2" GRADE 8	8
7	010106	FASTENER, HEX NUT 1/2"-13 GRADE 8	8
8	015677	RETAINING RING, DIA. 7/16" E-STYLE	2
9	015692	GREASE CAP, DIA. 1/4"	1
10	015693	PLUG, PLASTIC CAP EC12	1
11	018510	FITTING, 1/4"-28 NPT 45° GREASE	1
12	037820	FASTENER, HHCS 8 X 1.25 X 30 mm	8
13	043269	FASTENER, NUT STOVER 5/8"-18	1
14	046231	KEY, ROTOR SHAFT	1
15	047354	FASTENER, HHCS 5/8"-18 X 2-1/4" GRADE 8	1
16	048628	PIN, YOKE ARM	1
17	049599	CAP, PRESSURE PLATE	1
18	049697	BEARING, BALL THRUST	1
19	049698	PITCH YOKE ARM	1
20	049708	RETAINING WASHER	1
21	060544	ASSEMBLY, SPIDER RH	1
22	064260	ASSEMBLY, CROSSHEAD BEARING	2
23	065231	BRACKET, FOR GEARBOX	1
24	067589	PRESSURE PLATE	1
25	068160	GEARBOX, RH	1
26	069653	SHIM, FOR GEARBOX	1
27	074183	WELDMENT, GEARBOX HOUSING	1
28	074192	BRACKET, STEERING ARM MOUNT	1
29	074198	WELDMENT, 4 WAY CROSSHEAD	1
30	076022	WELDMENT, LH STEERING ARM	1
31	079364	FASTENER, SHCS 1/2"-13 X 1-1/4" LH (WAS 020155)	1

SECTION 1 PARTS

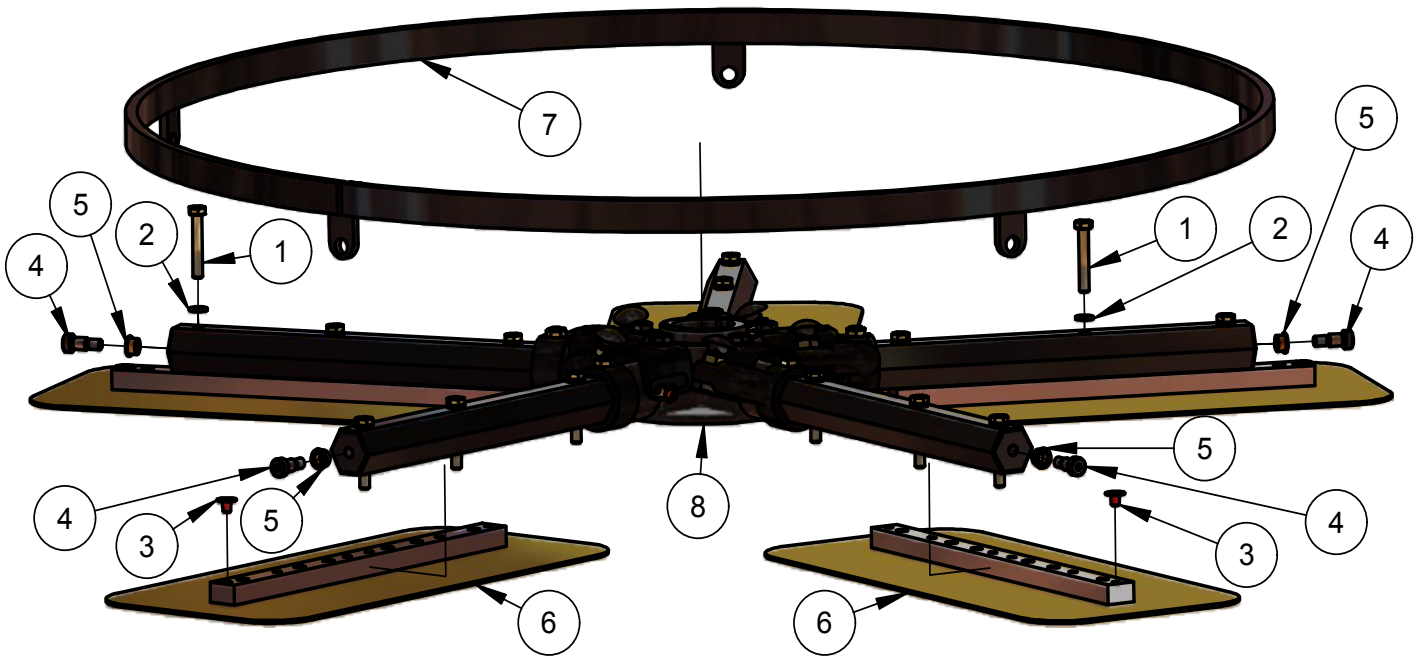
Lower Rotor Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	060543	ASSEMBLY, LOWER ROTOR, LEFT HAND	-
1	010024	FASTENER, BOLT, HHCS, 5/16"-18 X 2", GRADE 8	15
2	010090	FASTENER, WASHER, LOCK, 5/16", GRADE 8	15
3	015694	CAP, GREASE, W-1, RED, PLASTIC, TAPERED	5
4	025091	FASTENER, BOLT, SHOULDER, 3/8" X 1/2"	5
5	025092	BUSHING, BRONZE, 3/8" X 1/2" X 5/16"	5
6	028778V	BLADE, FLAT FINISH, 8" X 17", GOLD	5
7	040833	RING, STABILIZER, 1200VG, STANDARD, 5-BLADE	1
8	067587	ASSEMBLY, SPIDER, LEFT HAND, 5-BLADE	1

Lower Rotor Assembly - Right Hand

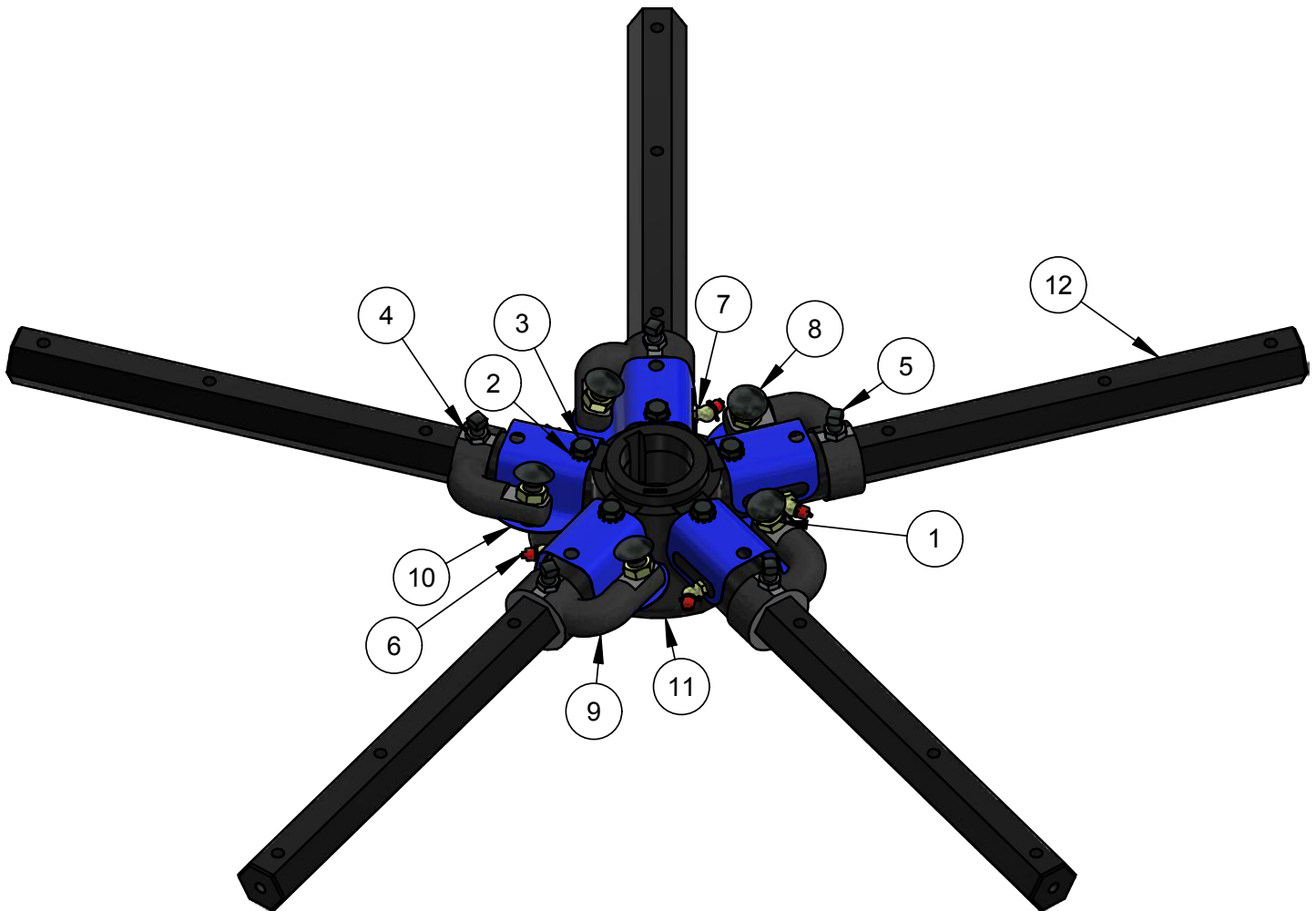
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	060544	ASSEMBLY, LOWER ROTOR, RIGHT HAND	-
1	010024	FASTENER, BOLT, HHCS, 5/16"-18 X 2", GRADE 8	15
2	010090	FASTENER, WASHER, LOCK, 5/16", GRADE 8	15
3	015694	CAP, GREASE, W-1, RED, PLASTIC, TAPERED	5
4	025091	FASTENER, BOLT, SHOULDER, 3/8" X 1/2"	5
5	025092	BUSHING, BRONZE, 3/8" X 1/2" X 5/16"	5
6	028778V	BLADE, FLAT FINISH, 8" X 17", GOLD	5
7	040833	RING, STABILIZER, 1200VG, STANDARD, 5-BLADE	1
8	067588	ASSEMBLY, SPIDER, RIGHT HAND, 5-BLADE	1

SECTION 1 PARTS

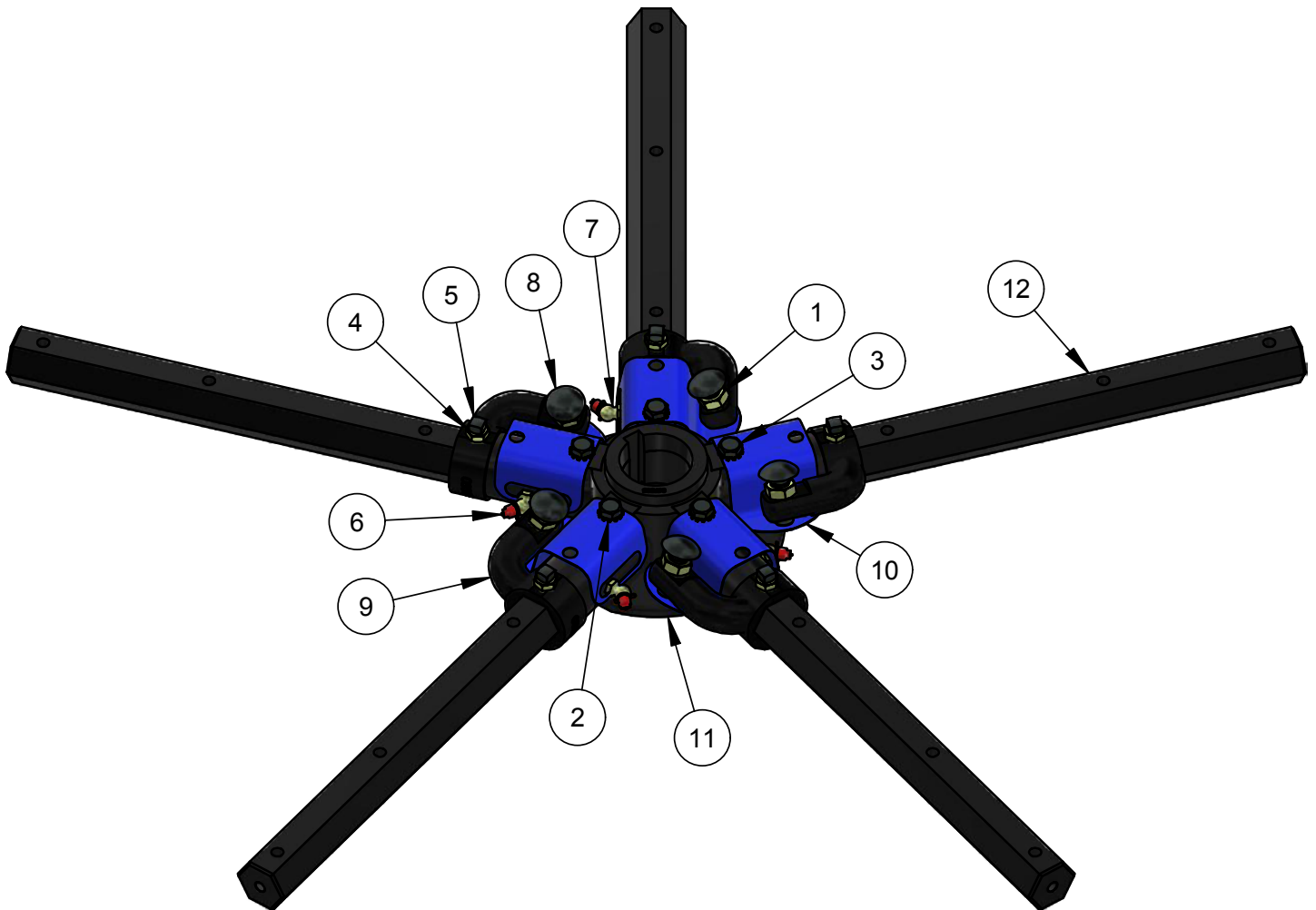
Spider Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	067587	ASSEMBLY, SPIDER, LEFT HAND	-
1	010050	FASTENER, NUT, HEX, 1/2"-13	5
2	015682	FASTENER, WASHER EXTERNAL TOOTH, 3/8"	5
3	015683	FASTENER, BOLT, HEX HEAD, 3/8"-16 X 7/8"	5
4	015684	FASTENER, NUT, HEX, 3/8"-16	5
5	015686	FASTENER, BOLT, SQHSS, 3/8"-16 X 1"	5
6	015692	CAP, GREASE, 1/4", PLASTIC, RED	5
7	024755	FITTING, GREASE, 1/8"-27 NPT, 45°	5
8	028216	FASTENER, BOLT, 1/2"-13 X 1-1/2", GRADE 8	5
9	033034	LEVER, LIFT, UNIVERSAL	5
10	040792	CLIP, SPIDER SPRING, 46-48	5
11	067586	BOSS, SPIDER, MACHINED	1
12	069909	ARM, TROWEL, 46", FOR 5 POINT SPIDER	5

Spider Assembly - Right Hand

SECTION 1 PARTS

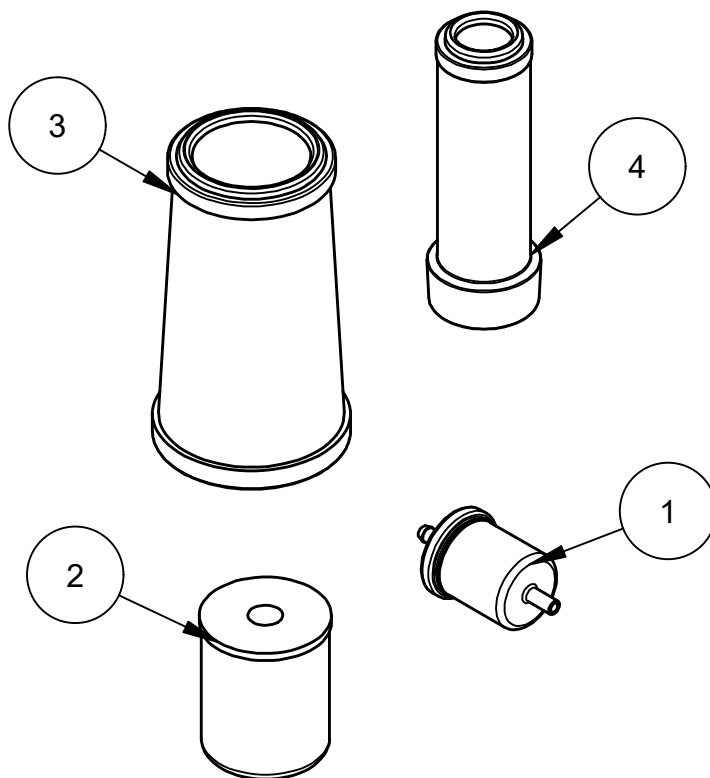


ITEM	PART #	DESCRIPTION	QTY
-	067588	ASSEMBLY, SPIDER, RIGHT HAND	-
1	010050	FASTENER, NUT, HEX, 1/2"-13	5
2	015682	FASTENER, WASHER EXTERNAL TOOTH, 3/8"	5
3	015683	FASTENER, BOLT, HEX HEAD, 3/8"-16 X 7/8"	5
4	015684	FASTENER, NUT, HEX, 3/8"-16	5
5	015686	FASTENER, BOLT, SQHSS, 3/8"-16 X 1"	5
6	015692	CAP, GREASE, 1/4", PLASTIC, RED	5
7	024755	FITTING, GREASE, 1/8"-27 NPT, 45°	5
8	028216	FASTENER, BOLT, 1/2"-13 X 1-1/2", GRADE 8	5
9	033034	LEVER, LIFT, UNIVERSAL	5
10	040792	CLIP, SPIDER SPRING, 46-48	5
11	067586	BOSS, SPIDER, MACHINED	1
12	069909	ARM, TROWEL, 46", FOR 5 POINT SPIDER	5

SECTION 2 DECALS

Service Parts, Filters

Note: Illustrations are
for reference only

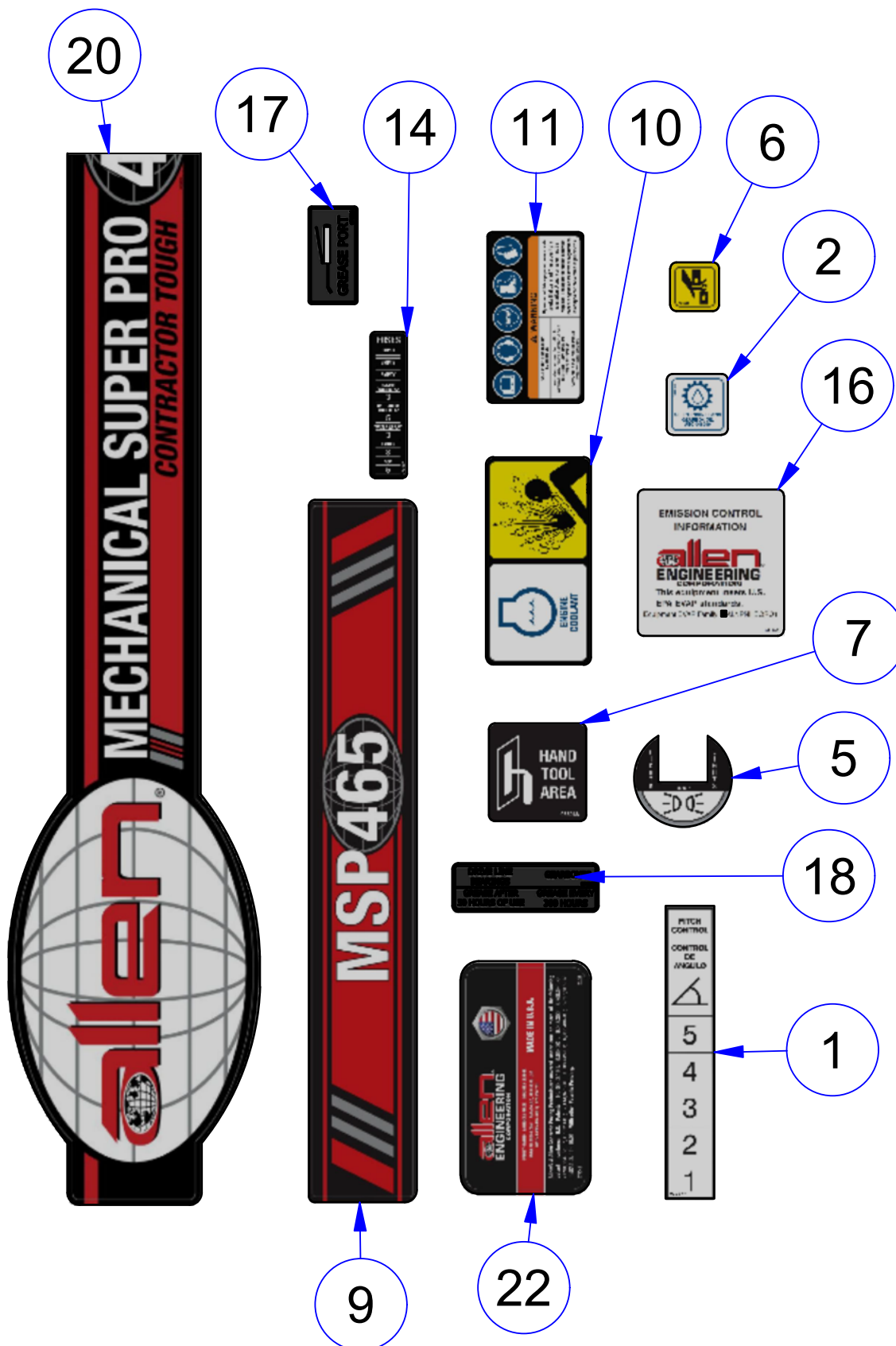


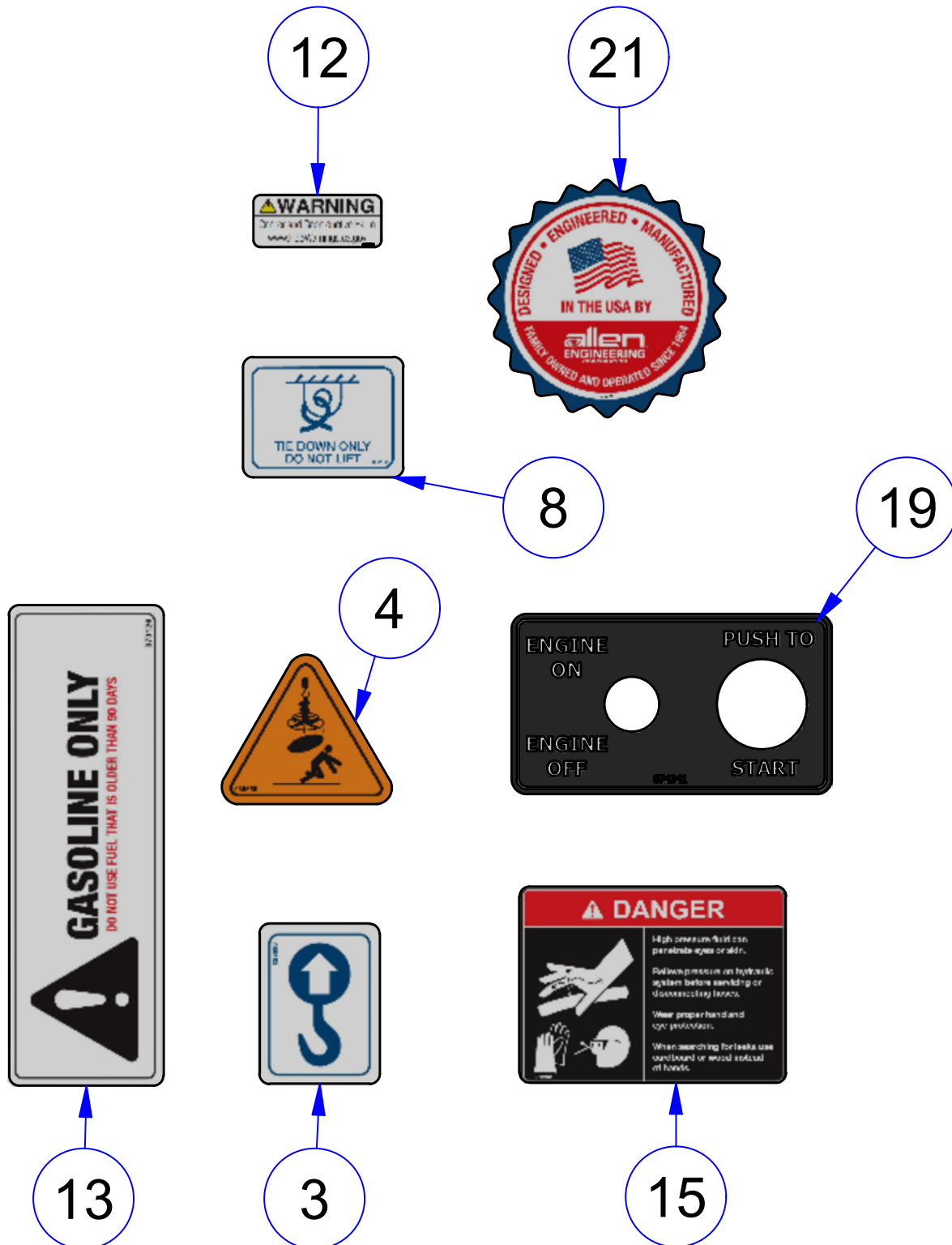
ITEM	PART NO.	DESCRIPTION	QTY
1	043920	FILTER, FUEL IN-LINE FOR WG1605 KUBOTA	1
2	064828	FILTER, ENGINE OIL ELEMENT FOR WG1605 KUBOTA	1
3	069428	FILTER, AIR PRIMARY ELEMENT FOR WG1605 KUBOTA	1
4	069429	FILTER, AIR SAFETY ELEMENT FOR WG1605 KUBOTA	1

SECTION 2: DECALS

SECTION 2 DECALS

MSP 465 Decals (Kit #: 074342)





SECTION 2 DECALS

MSP 465 Decal Parts List (Kit #: 074342)

ITEM	PART NO.	DESCRIPTION	QTY
-	074342	KIT, DECAL MSP 465	-
1	032377	PITCH CONTROL TUBE	2
2	048299D	OIL, GEARBOX	2
3	065653	LIFT HOOK	2
4	065656	PAN FALL	2
5	065897	LIGHTS	1
6	065917	PINCH POINT	2
7	066068	HAND TOOL	1
8	068459	TIE DOWN	4
9	069109	MSP465 SIDE PANEL 14.4" X 2.1"	2
10	069113	COOLANT WARNING 4.25" X 2.15"	1
11	069115	SAFETY & PROPOSITION 65	1
12	069225	PROPOSITION 65	1
13	070126	GAS ONLY 7.75" X 2.5"	2
14	070127	FUSE BLOCK	1
15	070402	DANGER HIGH PRESSURE WARNING	1
16	071102	EPA LABEL	1
17	074086	GREASE PORT	1
18	074087	DRIVELINE BEARING GREASE & GEARBOXES	1
19	074341	ENGINE CONTROL	1
20	075079	MSP465 FRONT PANEL	1
21	075276	MADE IN AMERICA	1
22	076042	MASTER PATENT LIST	1

Revision Detail

MANUAL REVISION DETAIL

REVISION #	DATE	REVISION REFERENCE #	REVISION BY
-	11/19	Initial Release	MW
A	02/21	MN 21-003	MW
B	01/24	Design Updates	MK
C	02/24	24-064	MK
D	04/24	24-194	MK
E	10/24	24-505, 24-517, 24-522, 24-526, 24-531, 24-543	MK
F	10/25	Added Service Parts (Filters) Page	MK

Copyright © 2022 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

