



MSP465 - RIDING TROWEL

PARTS & DECALS MANUAL

Manual Part #: 069598P | Revision: A
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

HDX605 RIDING TROWEL

PARTS & DECAL

MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
066950	MSP465, 8ft, Kubota 57HP, Gas, Mechanical Steering

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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:

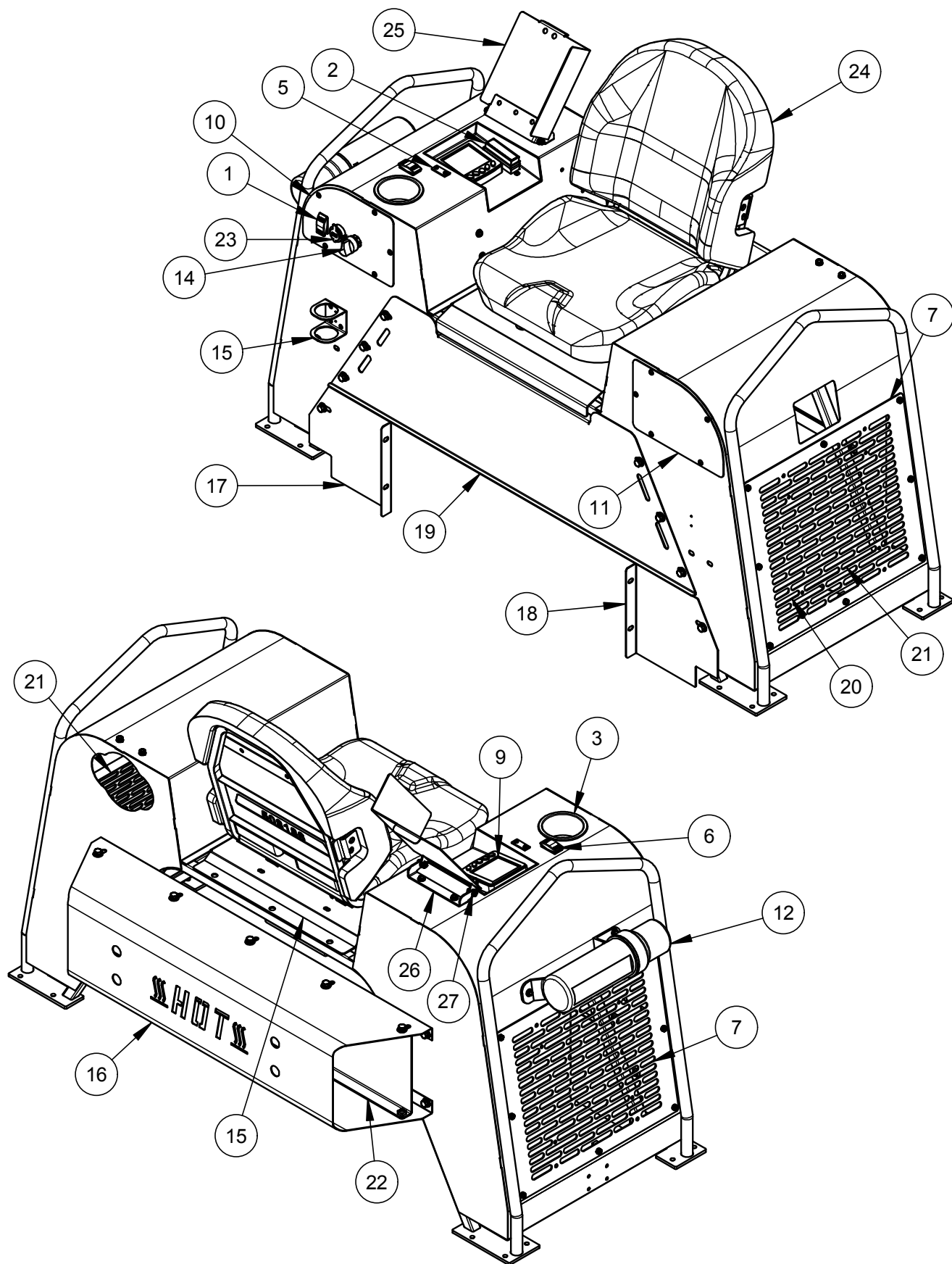
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO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



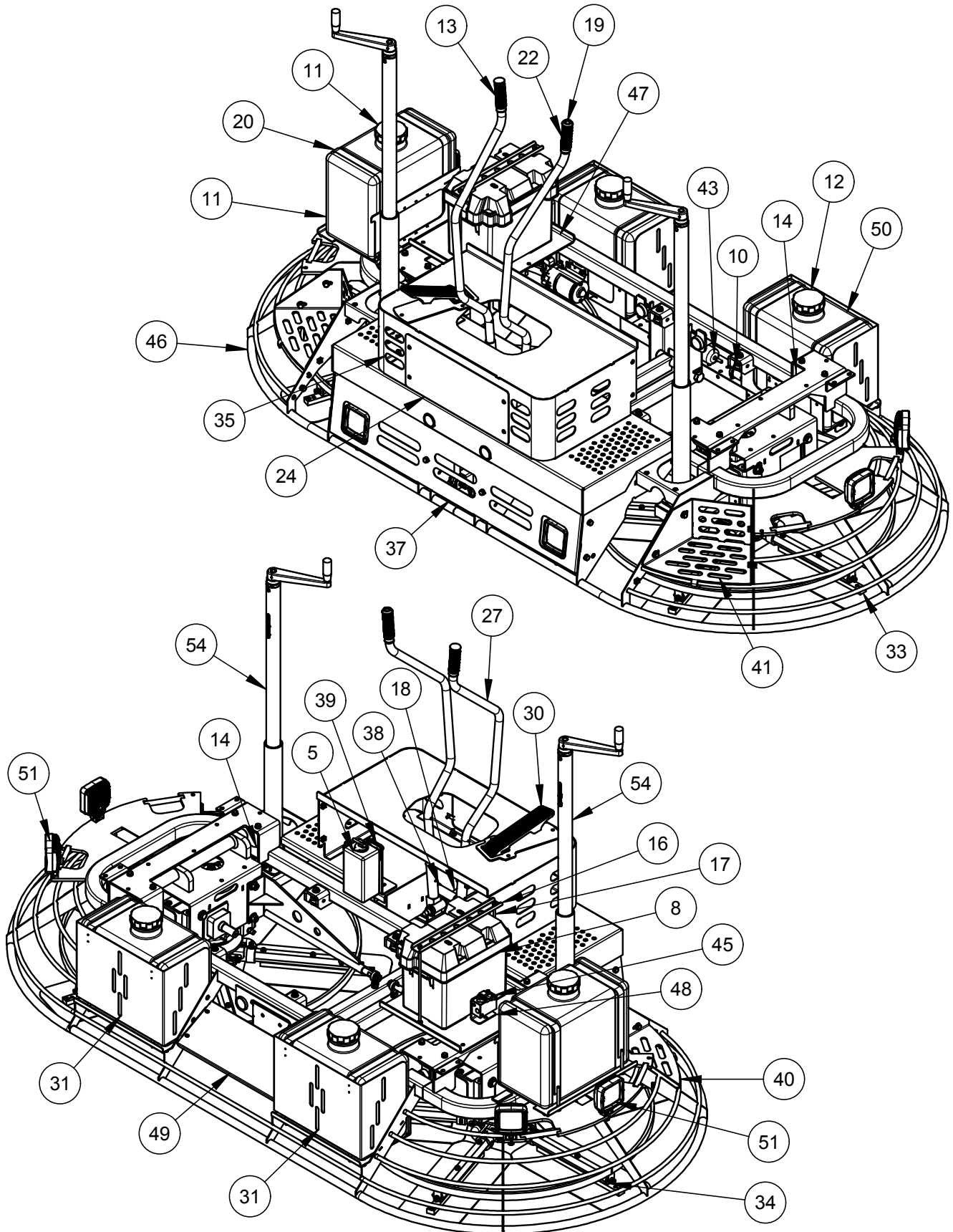
Seat Frame Assembly

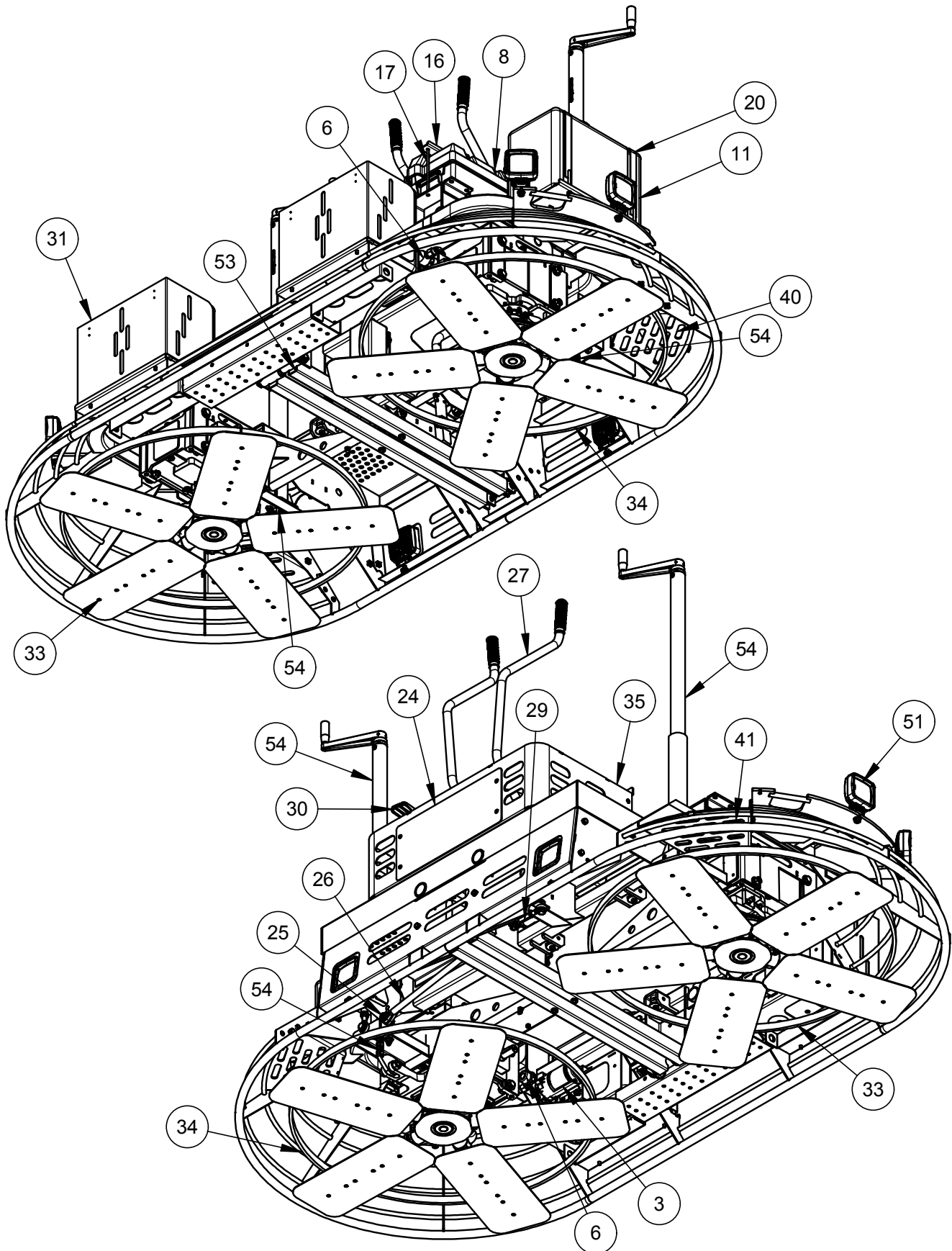
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	069295	Assembly, Seat Frame, MSP465	-
1	032125	Switch, Rocker, Single Pole	1
2	038965	Block, Fuse, 8-Way	1
3	041537	Cup Holder	1
4	053211	Prop, for Seat (Not Shown)	1
5	056920	Magnetic Latch	1
6	059525	Switch, Rocker, Double Pole	1
7	060885	Cover, Fan	2
8	061374	Switch, Kill, Under Seat (Not Shown)	1
9	066227	Murphy Controller, PV380.2	1
10	066234	Cover, Front, Top, Right Hand	1
11	066235	Cover, Front, Top, Left Hand	1
12	066255	Tube, for Manual	1
13	067676	Bracket, Controller Cable Support (Not Shown)	1
14	068166	Switch, Key, Engine	1
-	070075	(REPLACEMENT) Key, Engine	1
15	069281	Weldment, Seat Frame	1
16	069298	Shield, Muffler	1
17	069300	Panel, Front, Bottom, Right Hand	1
18	069301	Panel, Front, Bottom, Left Hand	1
19	069302	Panel, Front, Middle	1
20	069351	Shroud, Air, Left Hand	1
21	069652	Shroud, Air, Right Hand	1
22	069759	Weldment, Exhaust Support Panel	1
23	069850	Accessory, USB	1
24	069874	Seat, Rider	1
25	070579	Cover, Murphy Controller	1
26	070580	Bracket, Hinge for Controller Cover	1
27	070583	Bearing, Flanged, Sleeve, 1/4" I.D. x 1/4" Long	2

SECTION 1 PARTS

Lower Unit Assembly





SECTION 1 PARTS

Lower Unit Assembly

ITEM	PART NO.	DESCRIPTION	QTY
-	066110	Assembly, Lower Unit, MSP465	-
1	012702	Tip, Spray, Brass, 80° x 0.10 GPM	2
2	019900	Rod, End, Female, 1/2"	1
3	033735	Pump, Retardant Spray System	1
4	037771	Battery, 12 V, 655 CA	1
5	037791	Tank, Overflow, includes Bracket	1
6	040209	Filter, Retardant Spray System	1
7	012705	Retainer, Spray Tip, Metal	2
8	046696	Box, Battery	1
9	046701	Arm, Steering, 4-1/2"	2
10	046744	Mount, Vib, 90#, Yellow/White	4
11	047700	Tank, Plastic, 6 Gallon	1
12	047701	Cap, Black, 3-1/2", Vented	2
13	048354	Grip, Handle, Right Hand	1
14	048559	Mount, Block, Crosshead, for Rotor Assembly	4
15	048560	Bearing, Flange, Plastic, Ø1 I.D.	4
16	048563	Channel, Hold-Down for Battery	1
17	048589	Rod, All-Thread, 1/4"-20, for Battery	2
18	048894	Control, Arm, Right Horizontal	2
19	048909	Pushbutton, Retardant Spray	1
20	048921	Strap, Tank	2
21	048929	Bearing, Flange, Ø3/4" I.D., Plastic	2
22	049245	Grip, Handle, Left Hand	1
23	071531	Nozzle, Body, Straight, Male	2
24	059544	Plate, Front Cover	1
25	060881	Weldment, Steering Socket	2
26	060882	Shaft, Steering Linkage, 18" Long	1
27	060887	Handle, Steering	2

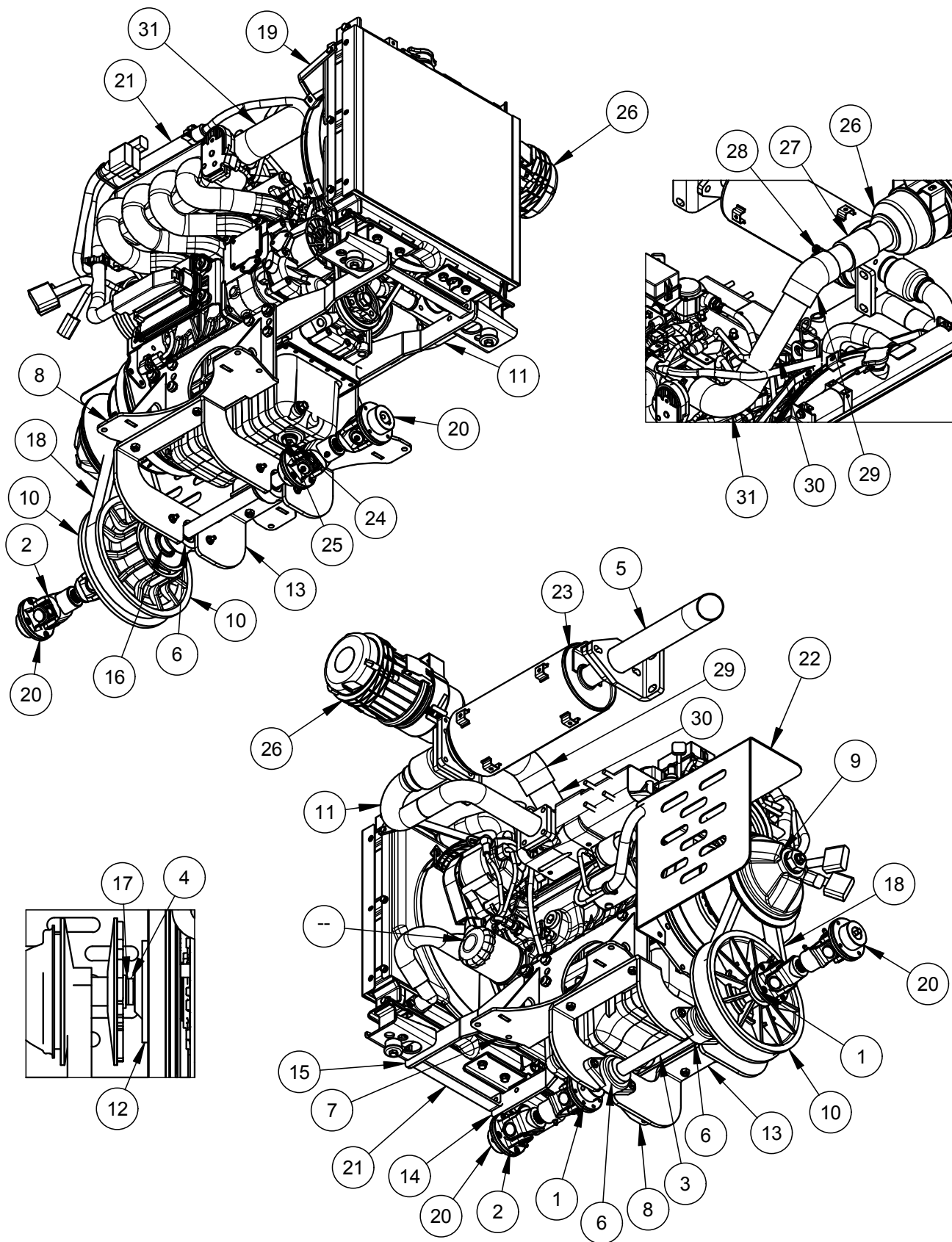
Lower Unit Assembly

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
28	060921	Rod, End, Male	2
29	060922	Nut, Coupler, 1/2" -20 x 1-3/4"	1
30	063341	Pedal, Foot, Electronic	1
31	064562	Weldment, Tank Guard	2
32	065244	Strainer, Poly, 100 micron, Mesh, with Check Valve	2
33	066108	Assembly, Rotor, Left Hand	1
34	066109	Assembly, Rotor, Right Hand	1
35	066124	Riser, for Foot Platform	1
36	066167	Weldment, Steering Fulcrum	1
37	066198	Weldment, Front Panel	1
38	066199	Spacer, for Steering System	2
39	066228	Bracket, Mounting, for Overflow Reservoir	1
40	067193	Weldment, Step, Right Hand	1
41	067198	Weldment, Step, Left Hand	1
42	067200	Weldment, Filler Panel	2
43	067269	Pump, Fuel, for Kubota WG1605	1
44	067275	Filter, Fuel, for Kubota WG1605	1
45	069231	Manifold, Fuel, for Kubota WG1605	1
46	069303	Weldment, Main Frame	1
47	069304	Weldment, Tray, for Battery	1
48	069313	Bracket, Mounting, for Fuel Manifold	1
49	069314	Plate, Cover	1
50	069503	Tank, Fuel, Plastic, 6 Gallon	2
51	069835	Light, LED, 1200 Lumens, 12VDC, 1.3 Amp	6
52	070152	Bearing, Ø3/4" I.D., Bronze	12
53	070405	Arm, Lower Control	2
54	070570	Assembly, Pitch Control	2

SECTION 1 PARTS

Engine Assembly



Engine Assembly

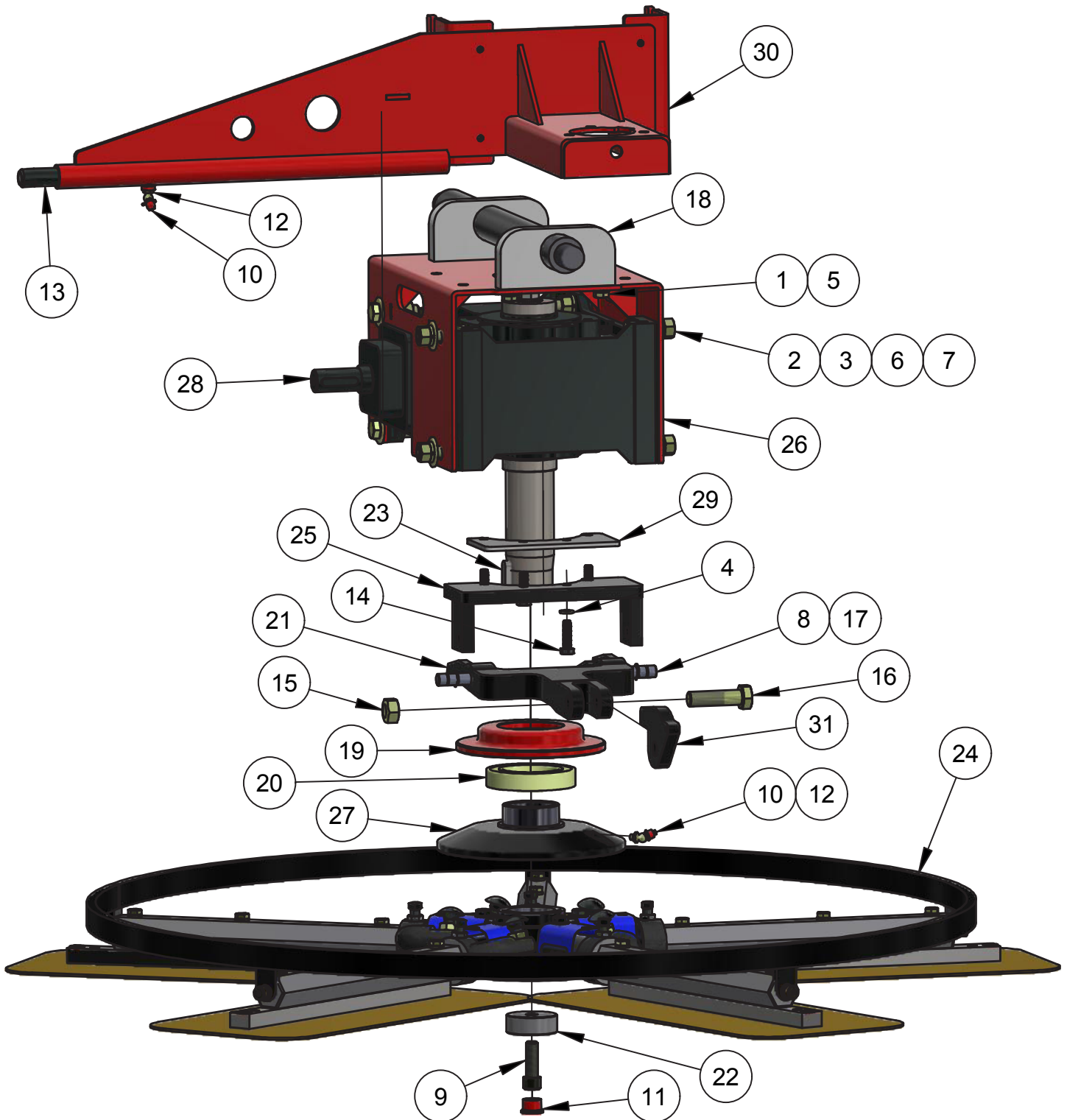
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	069296	Assembly, Engine, MSP465	-
1	047635	Hub, U-Joint Center Shaft, Ø1" Bore	2
2	047637	Assembly, U-Joint, Telescoping	2
3	048845	Shaft, Drive	1
4	059513	Spacer, for Clutch	1
5	063337	Weldment, Tail Pipe	1
6	064254	Bearing, Flange, 1"	2
7	065220	Weldment, Engine Mount, Rear	1
8	065224	Weldment, Engine Mount, Front	1
9	065967	Driver, for Pulley	1
10	066107	Pulley	1
11	066344	Inlet, Exhaust	1
12	066677	Stub Shaft	1
13	066678	Weldment, Support for Drive Shaft Bearings	1
14	067246	Bracket, Mount, Radiator, Right Hand	1
15	067247	Bracket, Mount, Radiator, Left Hand	1
16	067407	Spacer, for Clutch, Inner	1
17	067407	Spacer, for Clutch, Outer	1
18	067506	Belt, Engine	1
19	068317	Bracket, Radiator Support	2
20	068500	Hub, U-Joint Center Shaft, Ø24 mm Bore	2
21	068955	Engine, Kubota WG1605	1
22	069299	Guard, for Clutch	1
23	069619	Muffler, for Kubota WG1605 Engine	1
24	069654	Plug, Oil, M22 x 1.5	1
25	069655	Gasket, for Drain Plug	1
26	066237	Assembly, Air Cleaner	1
27	069730	Sleeve, Silicone, 2" I.D. x 2-1/2"	1
28	067367	Connector, Intake Hose	1
29	066902	Elbow, 2" I.D., 45°, Rubber	1
30	066929	Tube, Intake, #3, to Breather	1
31	049581	Elbow, 2" I.D., 90°, Rubber	1
32	071538	Shield, Heate	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	069249	(REPLACEMENT) Filter, Air, Safety, Kubota WG1605	1

SECTION 1 PARTS

Rotor Assembly - Left Hand



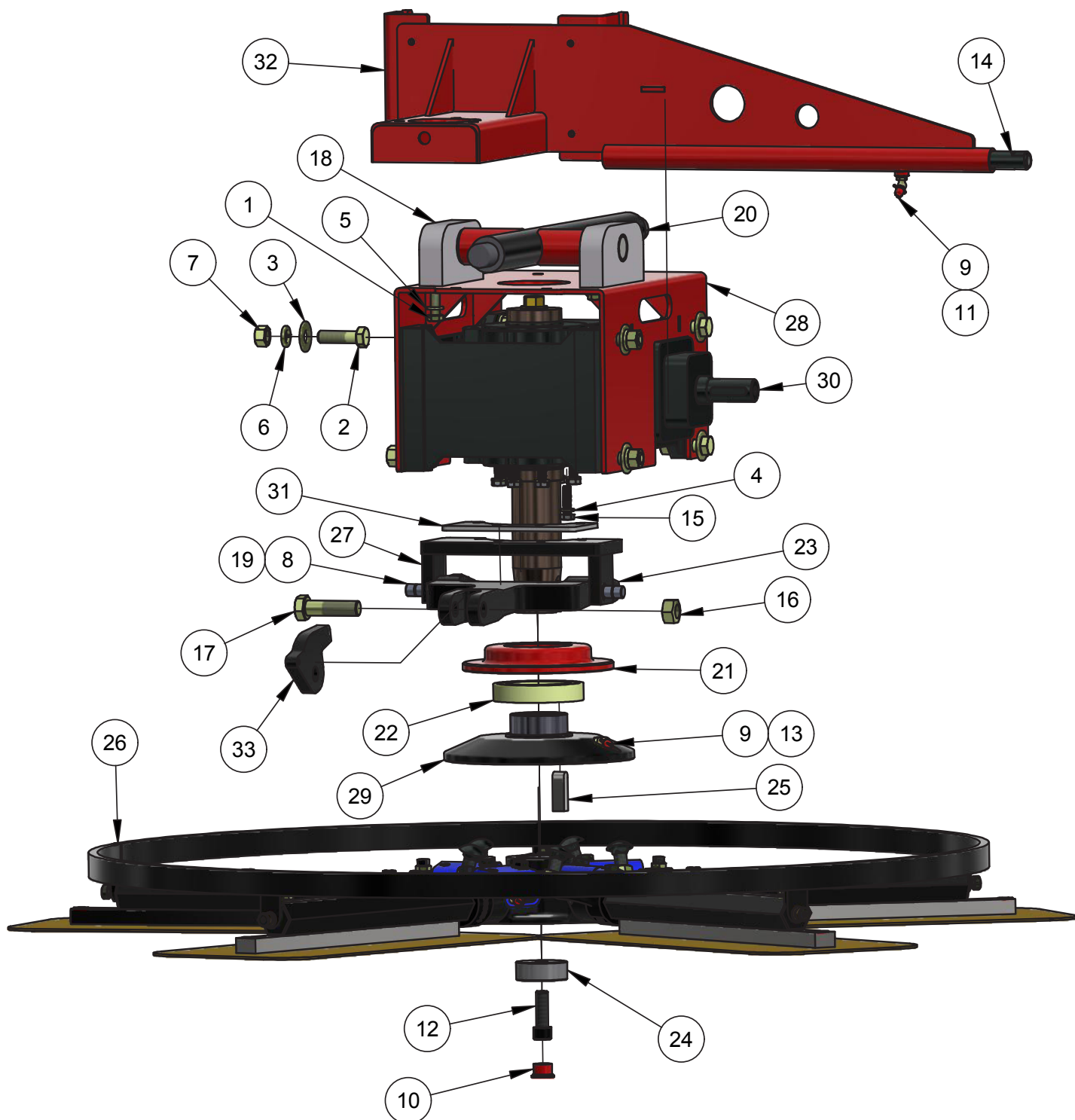
Rotor Assembly - Left Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	066108	Assembly, Rotor, Left Hand	-
1	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	4
2	010070	Fastener, Bolt, HHCS, 1/2"-13 x 1-3/4", Grade 8	8
3	010085	Fastener, Washer, Flat, 1/2", Grade 8	8
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	4
5	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
6	010093	Fastener, Washer, Lock, 1/2", Grade 8	8
7	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	8
8	015677	Ring, Retaining, Ø1/16", E-Style	2
9	015691	Fastener, Bolt, SHCS, 1/2"-13 x 1-1/2", Right Hand	1
10	015692	Cap, Grease, Ø1/4", Plastic	2
11	015693	Plug, Cap, Plastic, EC12	1
12	018510	Fitting, 1/4"-28 NPT, 45°, Grease	2
13	026238	Arm, Insert, Shoulder Cross-head	1
14	037820	Fastener, Bolt, HHCS, 8mm x 1.25mm x 30mm	4
15	043269	Fastener, Nut, Stover, 5/8"-18, Grade 8	1
16	047354	Fastener, Bolt, HHCS, 5/8"-18 x 2-1/4"	1
17	048628	Pin, Yoke Arm	1
18	048966	Crosshead, 2-Way	1
19	049599	Cap, Bearing	1
20	049697	Bearing, for Spider Assembly	1
21	049698	Lever, Pitch, for Yoke Arm	1
22	049708	Faster, Washer, Retaining	1
23	050700	Key, Rotor Shaft	1
24	060543	Assembly, Spider, Left Hand	1
25	065231	Bracket, Gearbox, CANIMEX	1
26	065242	Weldment, Housing, for Gearbox	1
27	067589	Plate, Pressure	1
28	068161	Gearbox, Left Hand	1
29	069653	Shim, for Gearbox Bracket	1
30	070410	Weldment, Steering Arm, Left Hand	1
31	070569	Plate, Pitch Connection	1

SECTION 1 PARTS

Rotor Assembly - Right Hand



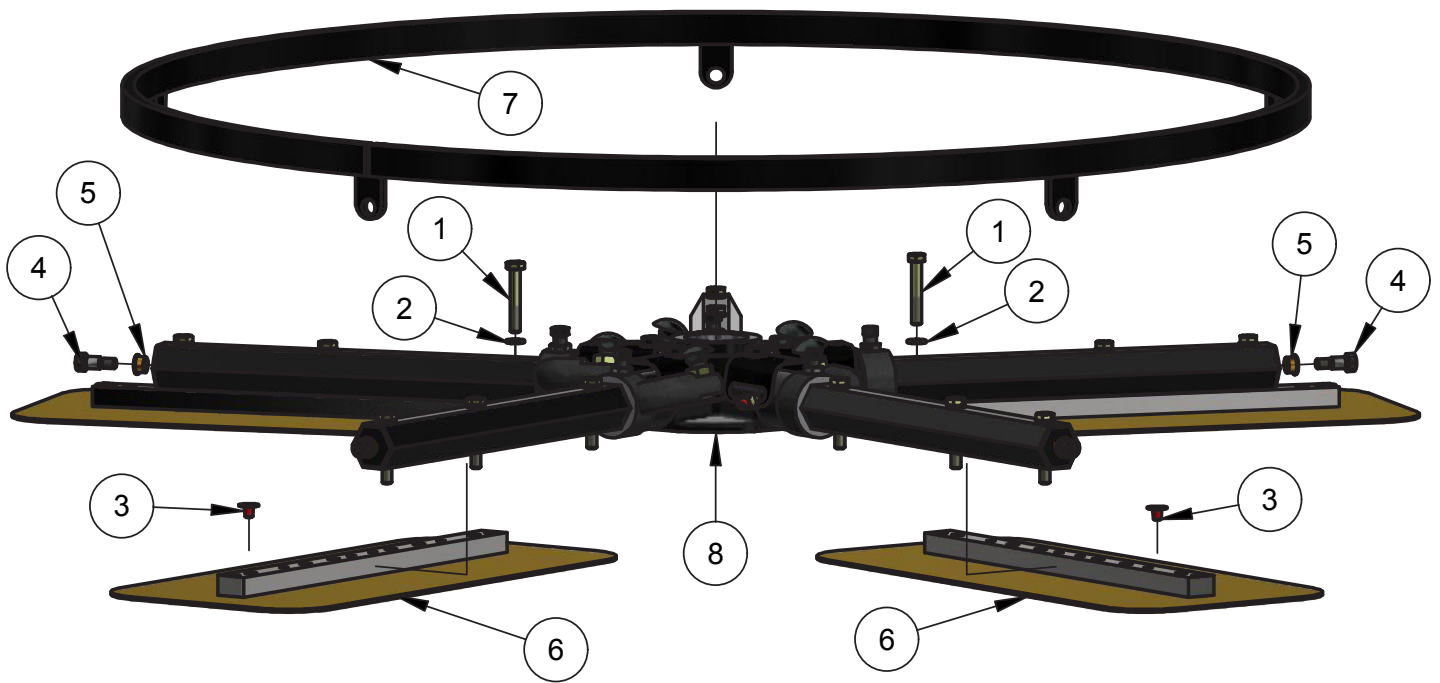
Rotor Assembly - Right Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	066109	Assembly, Rotor, Right Hand	-
1	010036	Fastener, Bolt, HHCS, 3/8" -16 x 1", Grade 8	4
2	010070	Fastener, Bolt, HHCS, 1/2" -13 x 1-3/4", Grade 8	8
3	010085	Fastener, Washer, Flat, 1/2", Grade 8	8
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	8
5	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
6	010093	Fastener, Washer, Lock, 1/2", Grade 8	8
7	010106	Fastener, Nut, Hex, 1/2" -13, Grade 8	8
8	015677	Ring, Retaining, Ø7/16", E-Style	2
9	015692	Cap, Ø1/4", Plastic, Grease, Red	2
10	015693	Plug, Cap, Plastic, EC12	1
11	018510	Fitting, Grease, 45°, 1/4" -28 NPT	1
12	020155	Fastener, SHCS, Screw, 1/2" -13 x 1-1/2, Left Hand	1
13	024755	Fitting, Grease, 45°, 1/8" -27 NPT	1
14	026238	Arm, Insert, Shoulder Crosshead	1
15	037820	Fastener, Screw, HHCS, 8mm x 1.25mm x 30mm	8
16	043269	Fastener, Nut, Stover, 5/8" -18	1
17	047354	Fastener, Bolt, HHCS, 5/8" -18 x 2-1/4", Grade 8	1
18	048561	Assembly, Bearing, for Rotor Mount	2
19	048628	Pin, for Yoke Arm	1
20	048964	Crosshead, 4-way	1
21	049599	Cap, Bearing	1
22	049697	Assembly, Bearing Spider	1
23	049698	Pitch, for Yoke Arm	1
24	049708	Washer, Retaining	1
25	050700	Key, for Rotor	1
26	060544	Assembly, Spider, Right Hand	1
27	065231	Bracket, Gearbox, CANIMEX	1
28	065242	Weldment, Gearbox Housing	1
29	067589	Plate, Pressure	1
30	068160	Gearbox, Right Hand	1
31	069653	Shim, for Gearbox Bracket	1
32	070411	Weldment, Steering Arm, Right Hand	1
33	070569	Plate, Pitch Connection	1

SECTION 1 PARTS

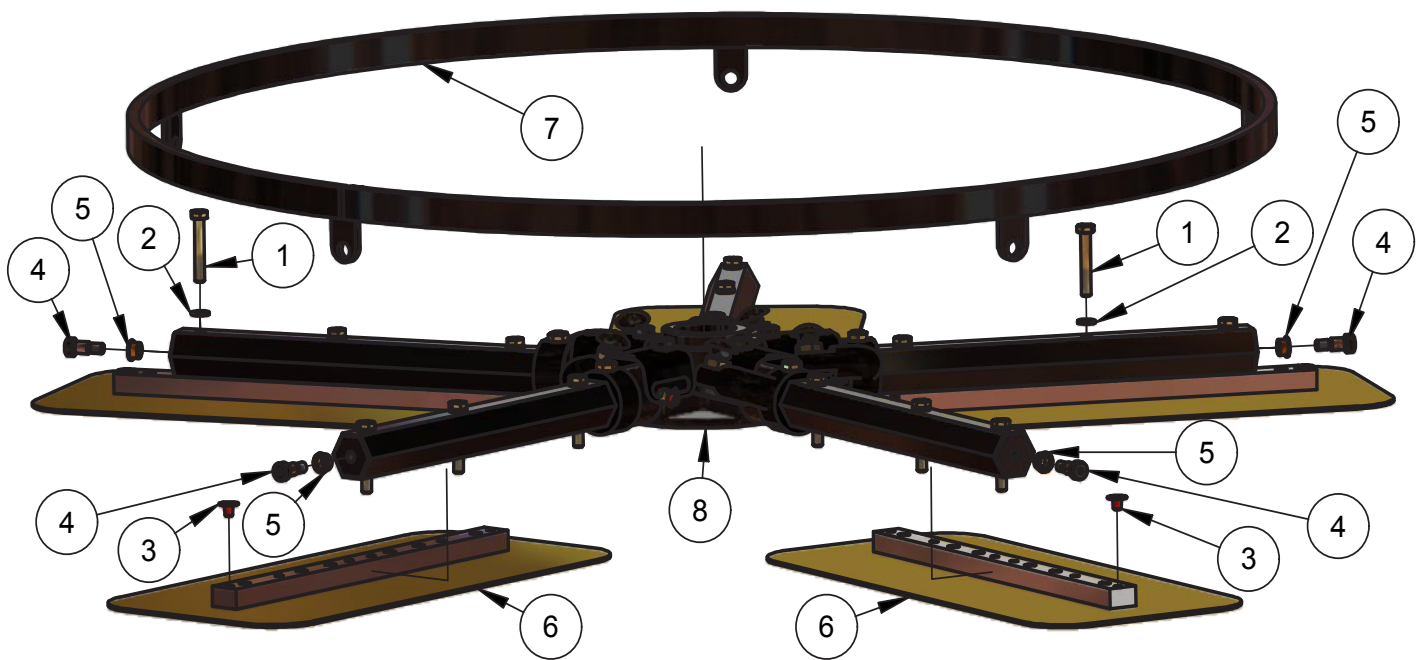
Lower Rotor Assembly - Left Hand



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

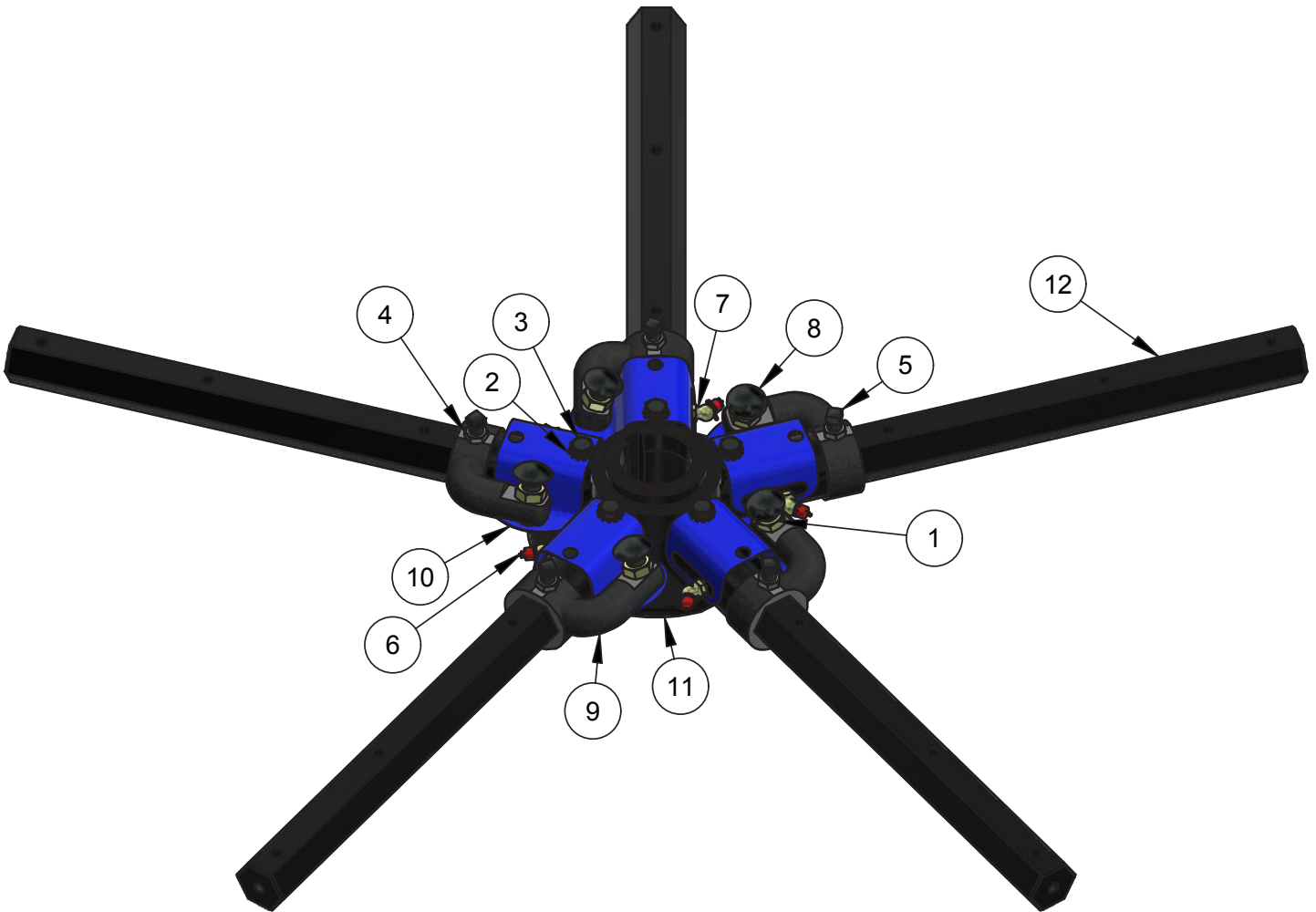
SECTION 1 PARTS



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

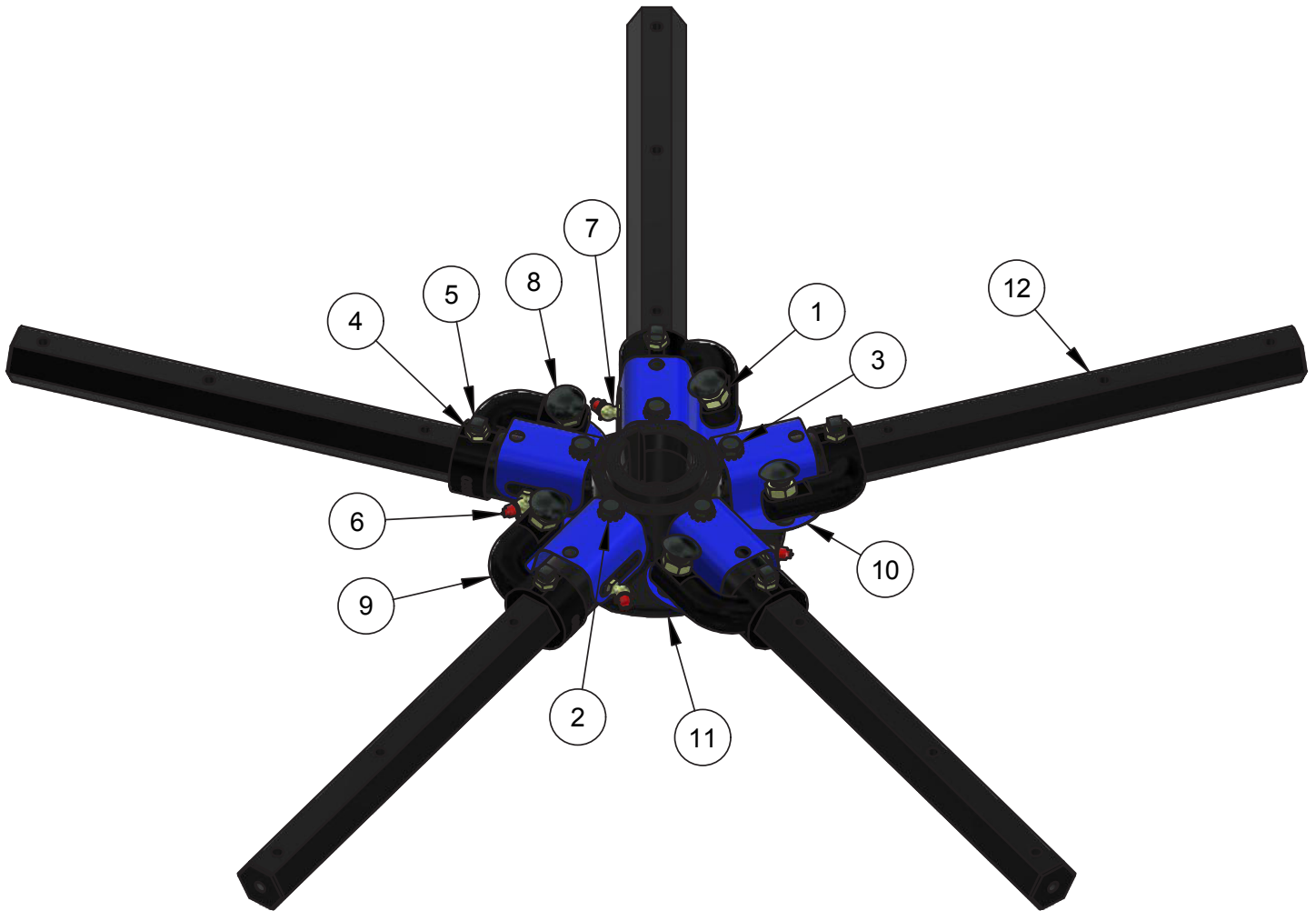
Spider Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	067587	Assembly, Spider, Left Hand	-
1	010050	Fastener, Nut, Hex, 1/2"-13	5
2	015682	Fastener, 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

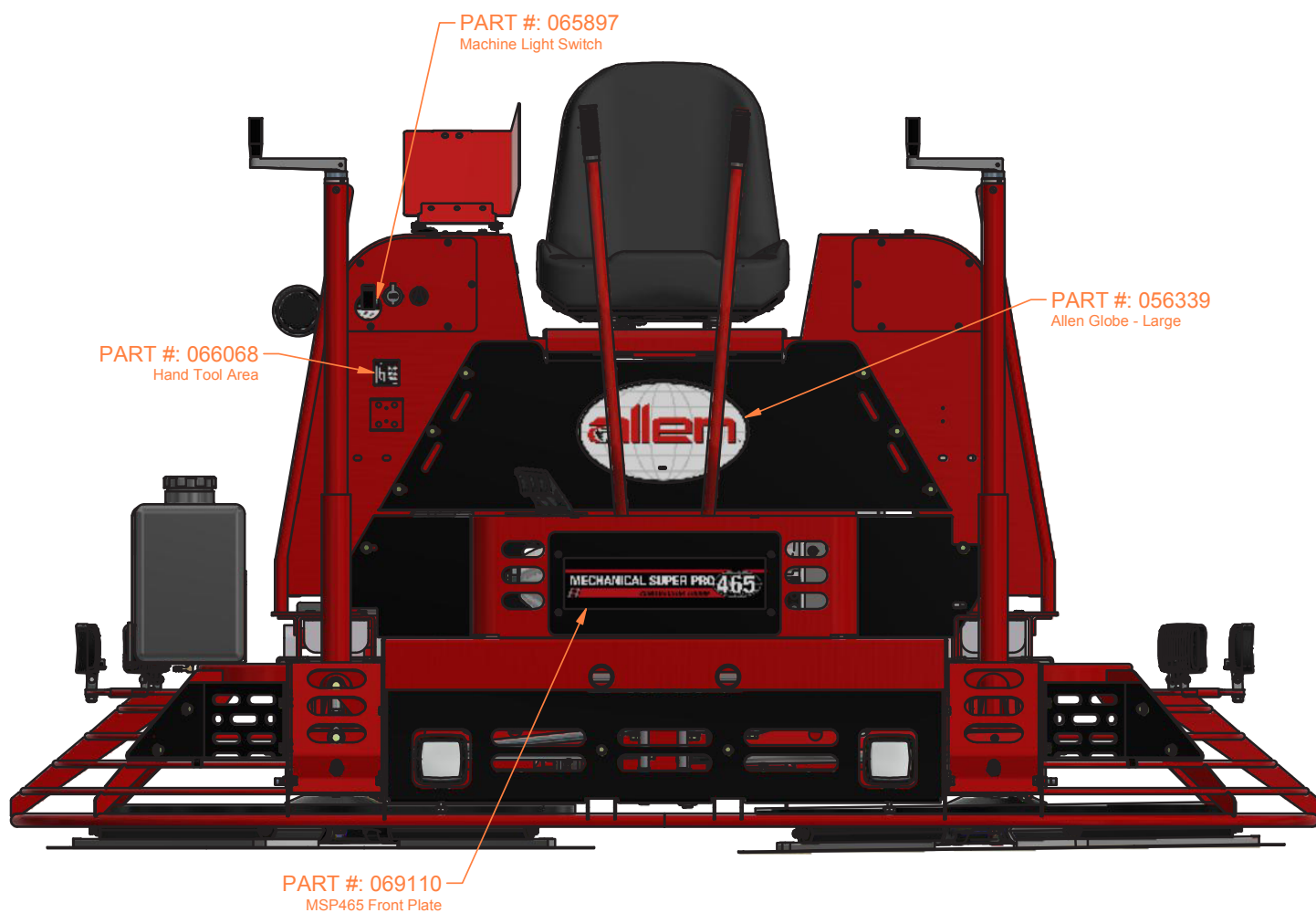


ITEM	PART #	DESCRIPTION	QTY
-	067588	Assembly, Spider, Right Hand	-
1	010050	Fastener, Nut, Hex, 1/2"-13	5
2	015682	Fastener, External Tooth, 3/8"	5
3	015683	Fastener, Bolt, Hex Head, 3/8"-16 x 7/8"	5
4	015684	Fastener, Nut, Hex, 3/8"-16	5
5	015686	Fastener, Bolt, SQHSS, 3/8"-16 x 1"	5
6	015692	Cap, 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

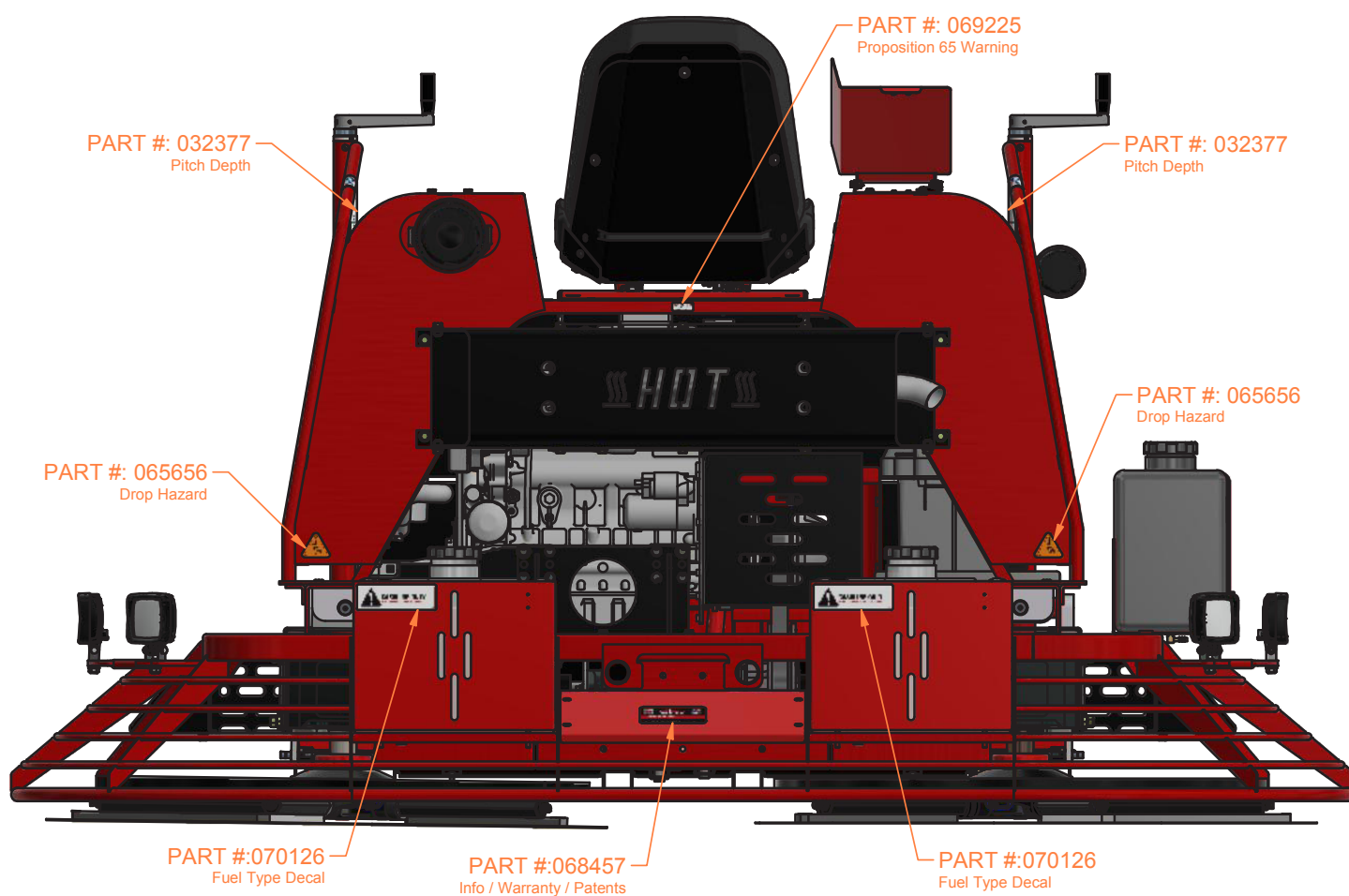
Decals - Front (Kit #: 069108)

SECTION 2 DECALS



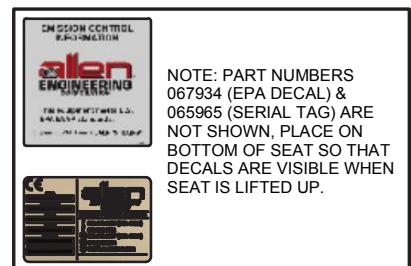
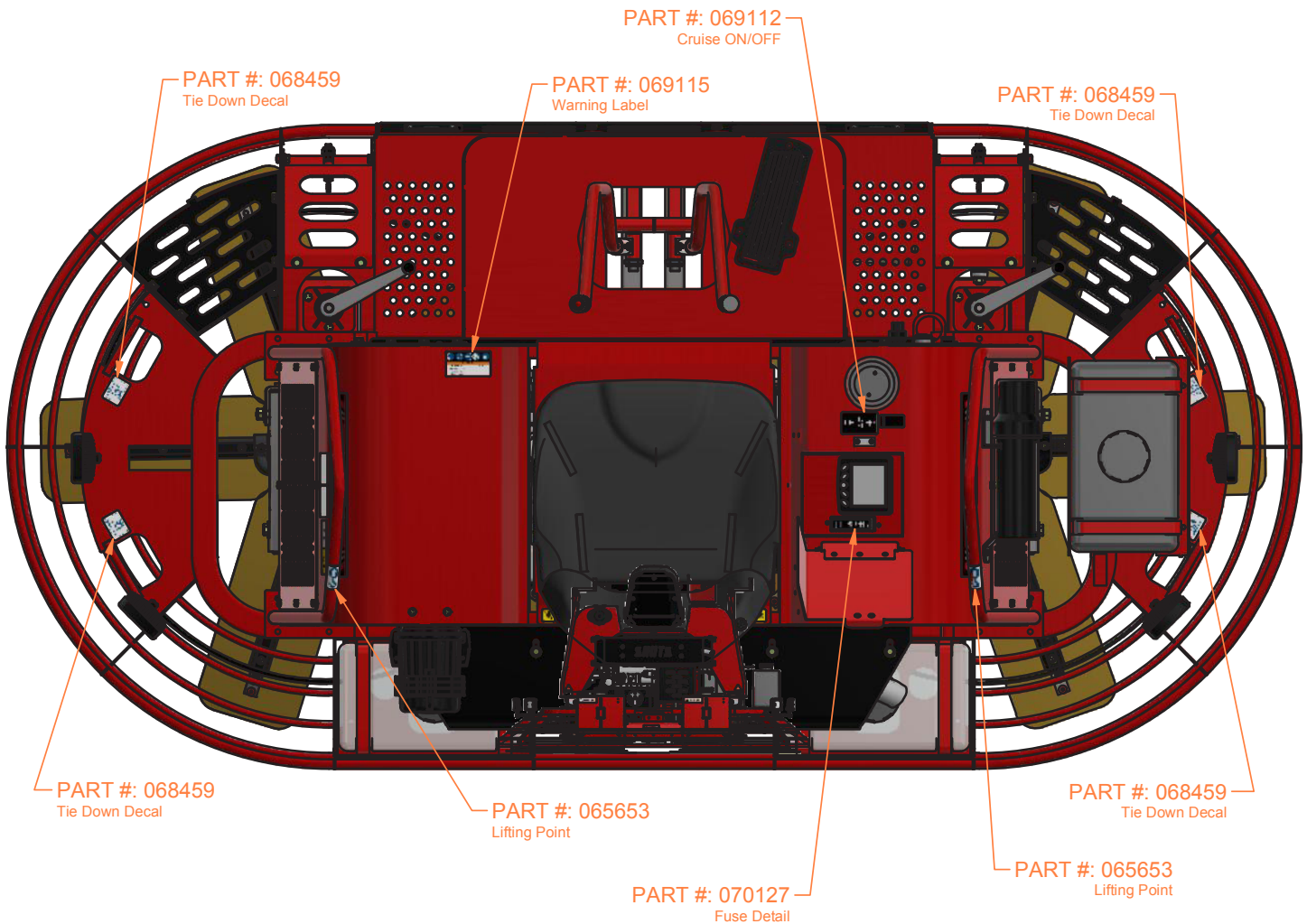
SECTION 2 DECALS

Decals - Rear (Kit #: 069108)



Decals - Top (Kit #: 069108)

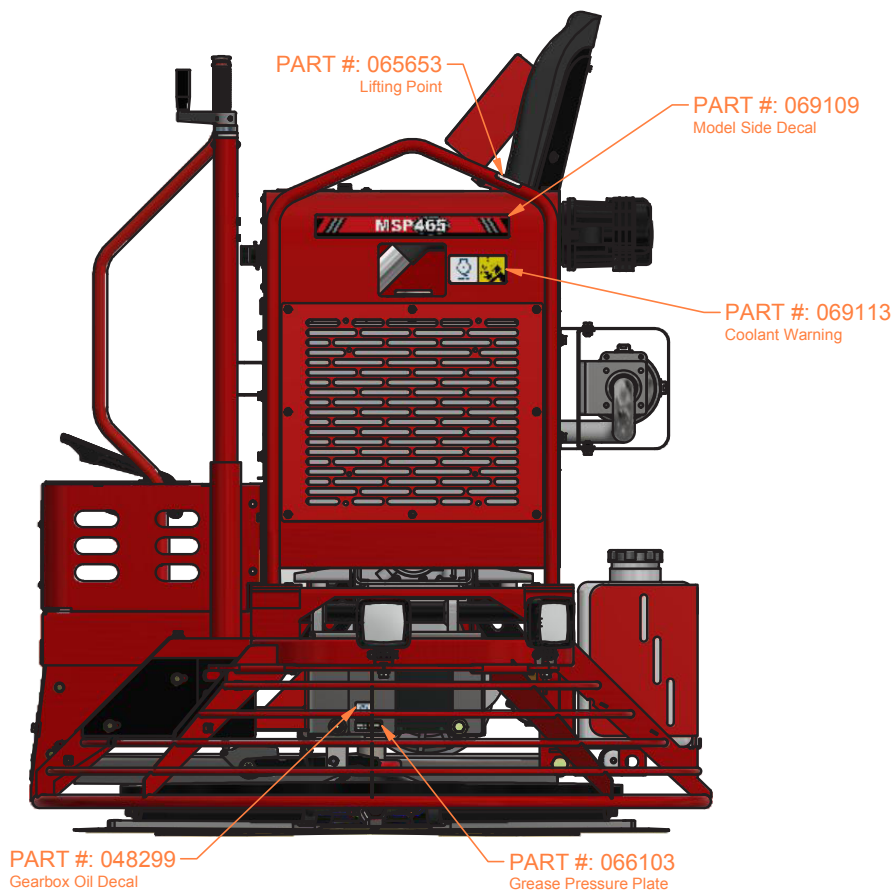
SECTION 2 DECALS



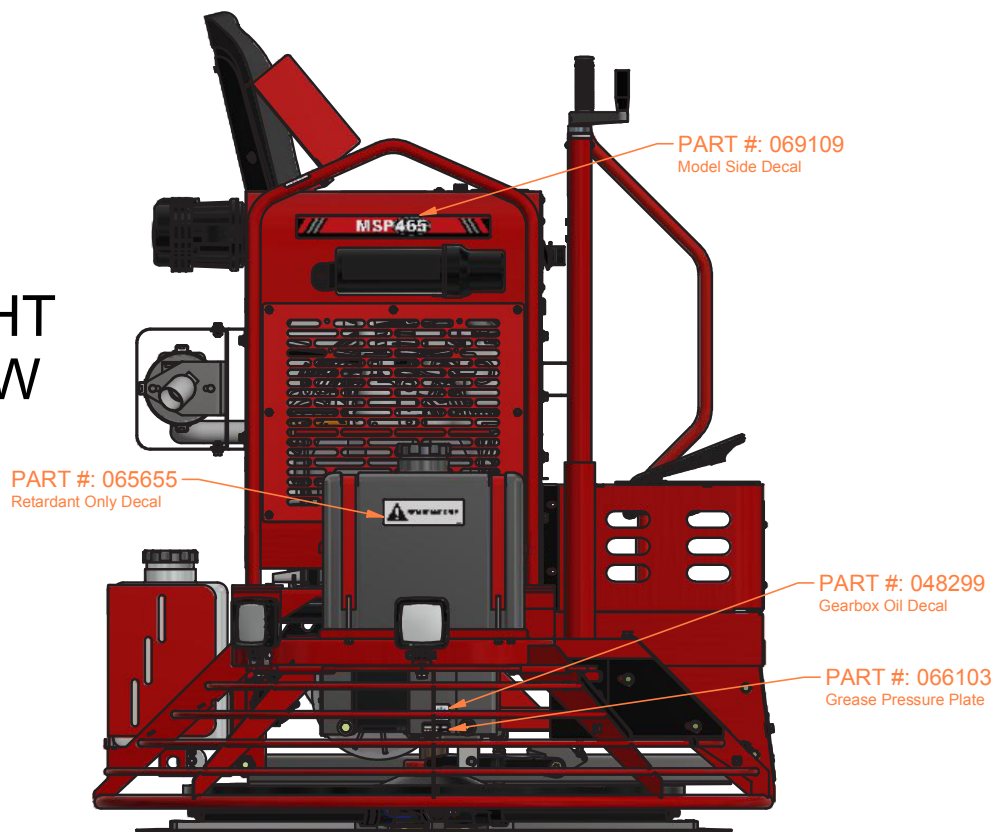
SECTION 2 DECALS

Decals - Right / Left (Kit #: 069108)

LEFT
VIEW



RIGHT
VIEW



Revision Detail

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	11/19	Initial Release	MW
A	02/21	MN 21-003	MW

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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.

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