

RIDING TROWEL

HDX605



PARTS & DECALS MANUAL

Manual Part #: 073421P | Revision: G
Language: English | Original Instructions





For information regarding the following, please see the “HDX605 - 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>
074141	HDX605 Riding Trowel, 6-Boss

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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:

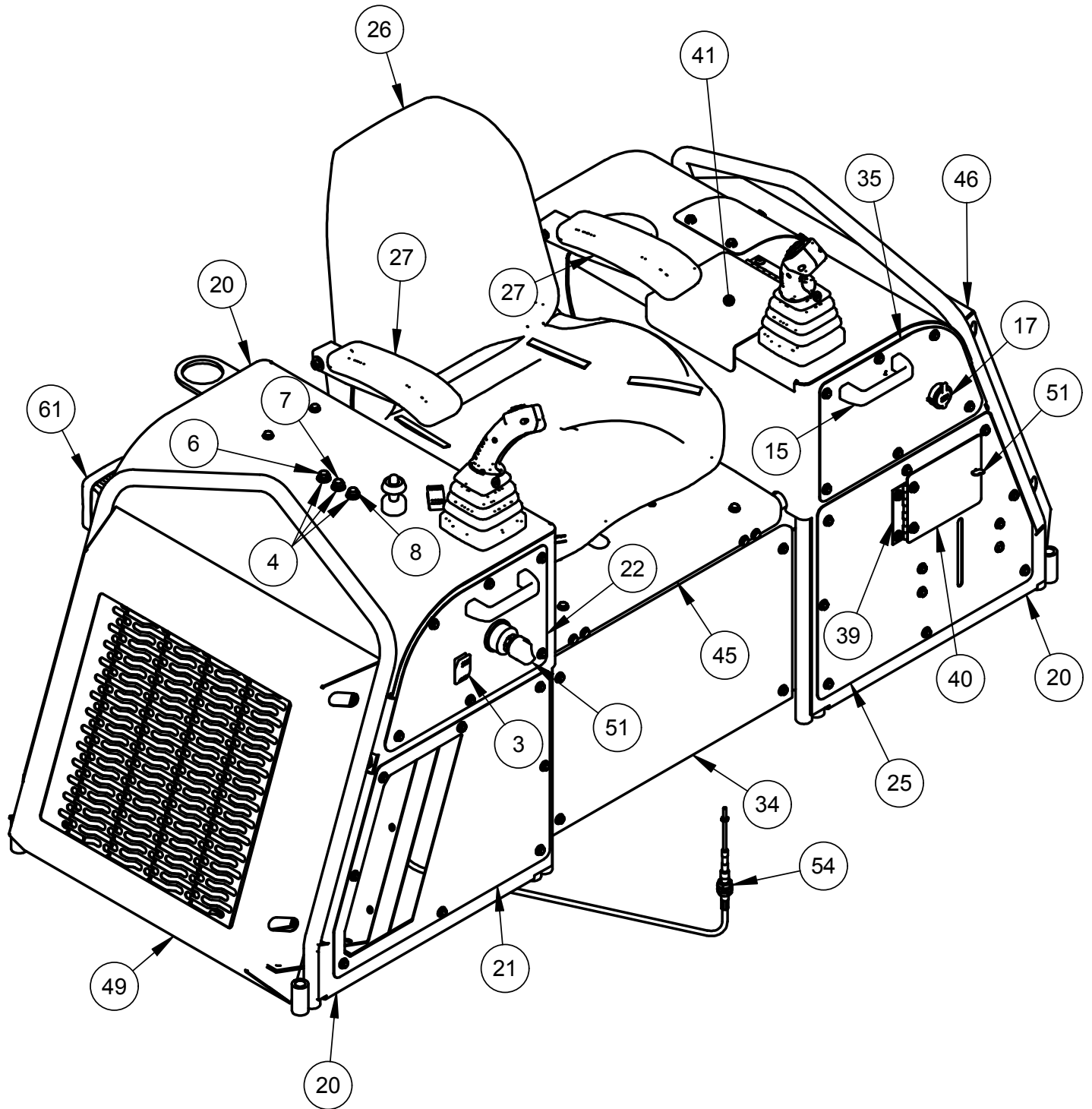
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO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

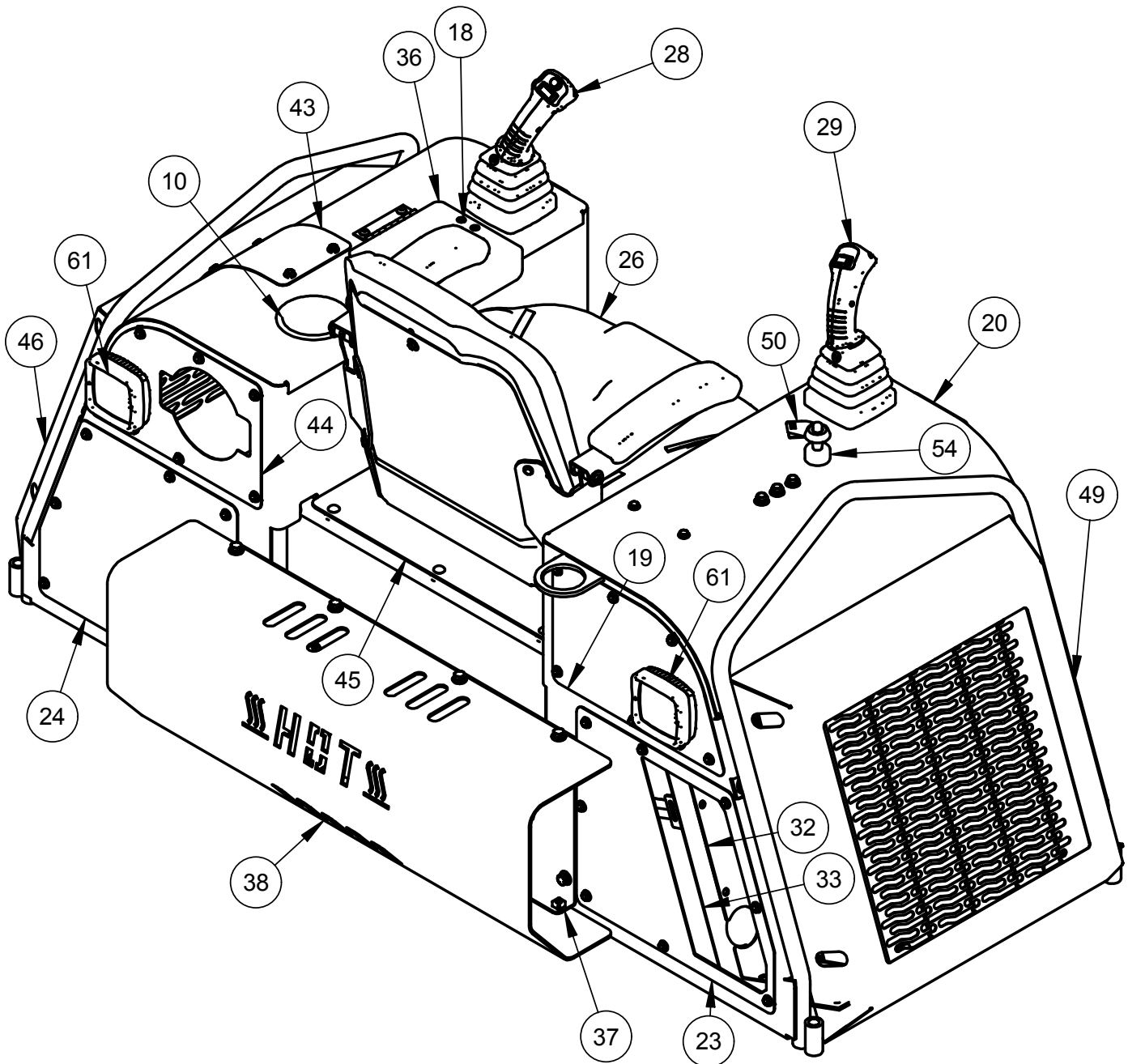
NOTE

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





SECTION 1 PARTS

Seat Frame Assembly

ITEM	PART NO.	DESCRIPTION	QTY
-	060658	Assembly, Seat Frame, HDX605	-
1	018264	Insulator, Rubber, Safety (Not Shown)	1
2	020604	Clip, SAE, Insulated Loop, 0.14"-0.406" (Not Shown)	1
3	032125	Switch, Rocker	1
4	034610	Socket, Base, Pilot Light, T-2 Slide	3
5	034611	Light, Pilot, T-2 Slide Base, #5	3
6	034612	Lens, Amber, Pilot Light	1
7	034613	Lens, Green, Pilot Light	1
8	034614	Lens, Red, Pilot Light	1
9	034621	Horn, 12 VDC (Not Shown)	1
10	041537	Cup Holder	1
11	047314	Reservoir, Coolant, Overflow, 2 Quart (Not Shown)	1
12	047665	Bumper, Rubber (Not Shown)	3
13	047886	Cap, Filler Breather (Not Shown)	1
14	048595	Vent, Tank (Not Shown)	1
15	048678	Handle, Nylon	2
16	049550	Connector, Seat Lid Pivot (Not Shown)	2
17	069850	Receptacle, USB, 12 VDC, 2.1 Amp Max (Replaces 049588)	1
18	056920	Latch, Magnetic	1
19	060574	Panel, Rear, Top, Right Hand, for Seat Frame	1
20	060575	Weldment, Seat Frame, For HDX605	1
21	060576	Panel, Front, Bottom, Right Hand, for Seat Frame	1
22	060577	Panel, Front, Top, Right Hand, for Seat Frame	1
23	060578	Panel, Rear, Bottom, Right Hand, for Seat Frame	1
24	060609	Panel, Rear, Bottom, Left Hand, for Seat Frame	1
25	060643	Panel, Front, Bottom, Left Hand, for Seat Frame	1
26	061372	Seat, Rider	1
27	061373	Arm Rest, for Seat, Right and Left Hand Set	1
28	064510	Joystick, Left Hand	1
-	052690	REPLACEMENT - Joystick, Left Hand, Upper Handle ONLY (Not Shown)	-
29	064511	Joystick, Right Hand	1
-	052691	REPLACEMENT - Joystick, Right Hand, Upper Handle ONLY (Not Shown)	-
30	065134	Plate, Cover, for Grounding [Cooler] (Not Shown)	1
31	065214	Bracket, for Cooler, Left Hand Mount (Not Shown)	2

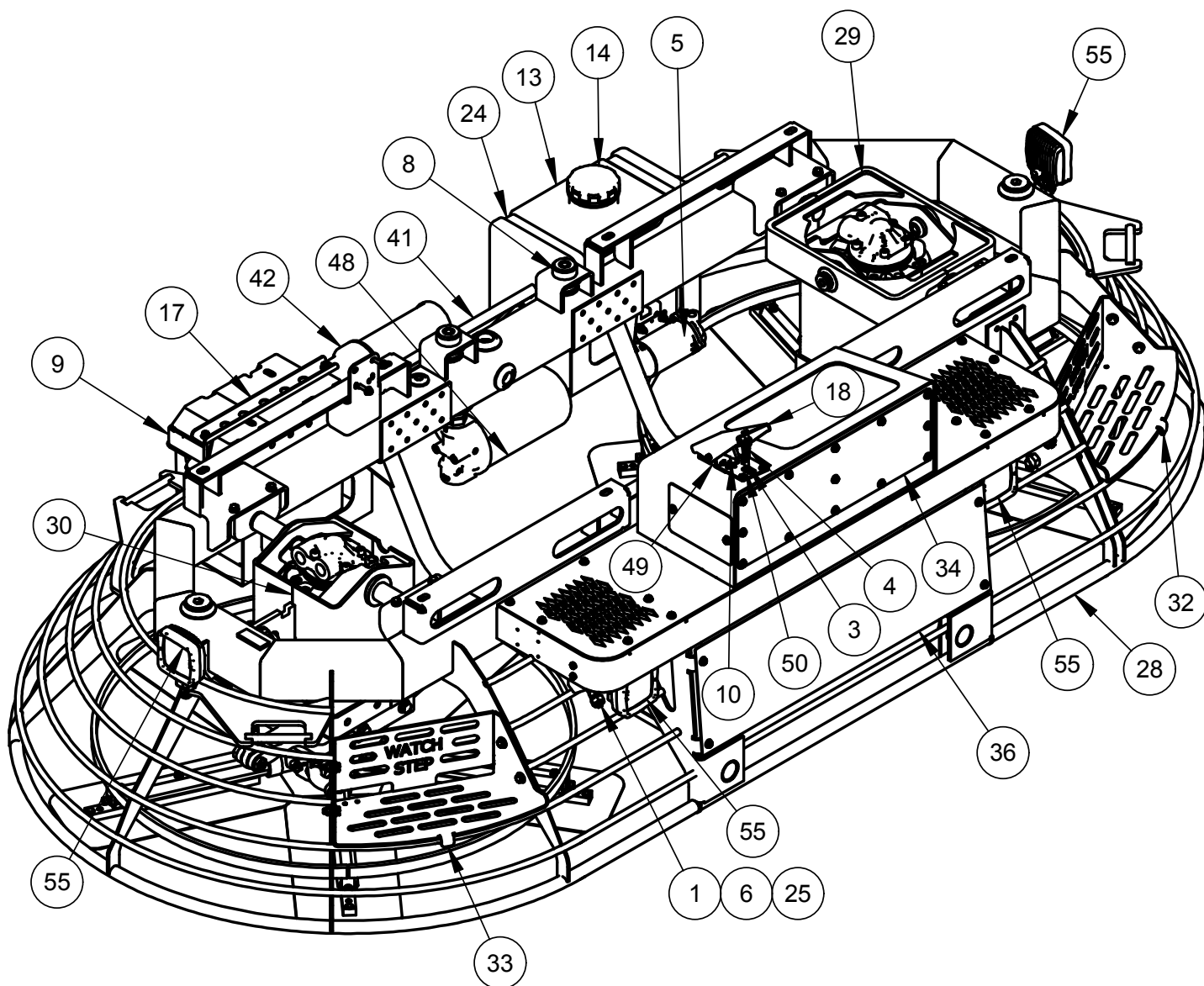
Seat Frame Assembly

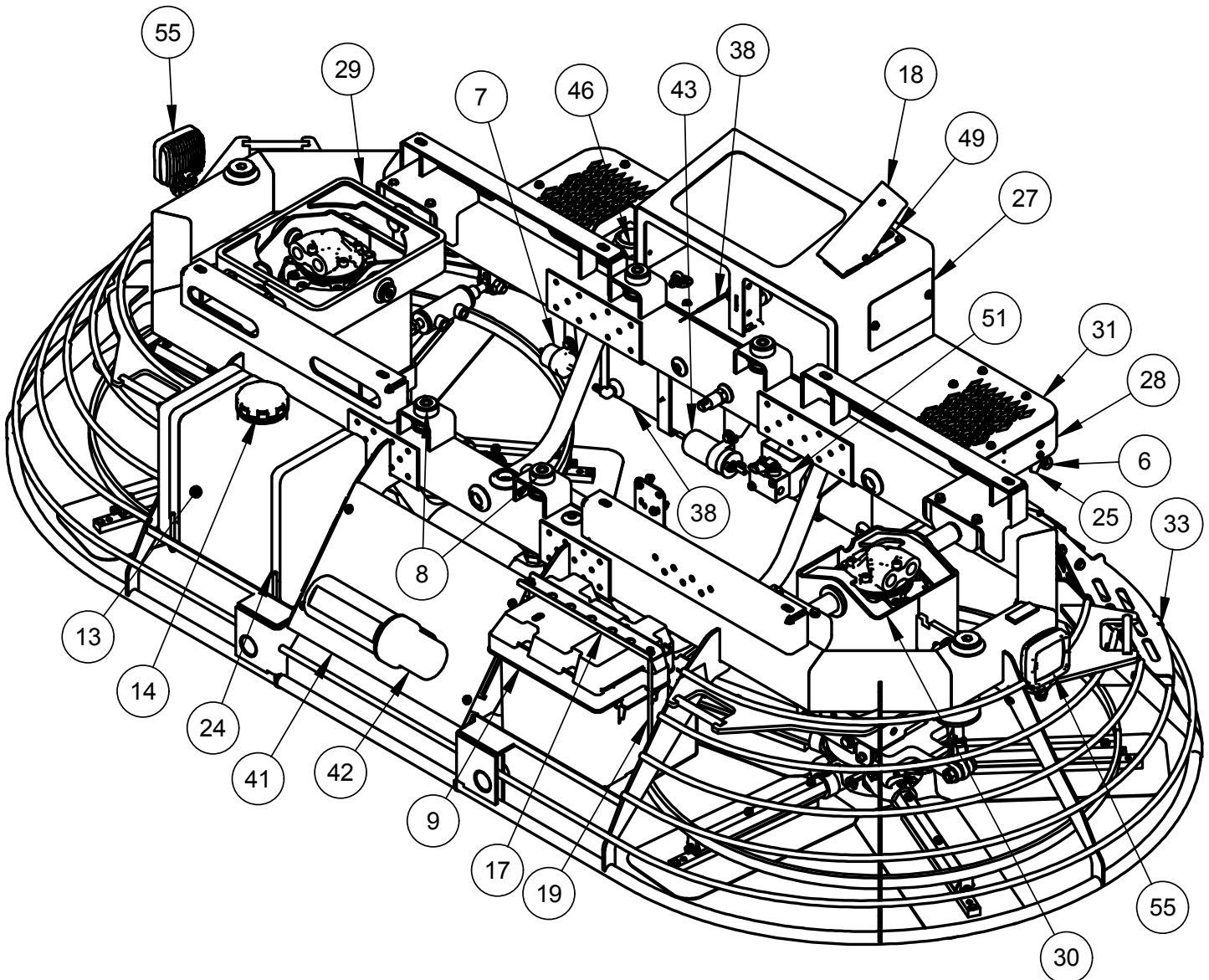
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
32	065215	Assembly, Hydraulic Cooler/Air Intake Box (Not Shown)	1
33	065217	Extension, for Air Plenum Box	1
34	065489	Panel, Front, Center	1
35	065602	Cover, Front, Top, Left hand	1
36	065604	Panel, Controller Display Cover	1
37	065608	Channel, Support, Muffler	1
38	065613	Shield, Heat, Muffler	1
39	065621	Hinge, for Coolant Recovery Door	1
40	065622	Door, for Coolant Recovery	1
41	066227	Murphy Controller, PV380.R2	1
42	066237	Assembly, Air Cleaner (Not Shown)	1
43	066764	Panel, Coolant Fill Cover	1
44	066907	Panel, Top, Rear, Left Hand, for Seat Frame	1
45	067345	Weldment, Seat Lid	1
46	067370	Guard, Seat Frame End	1
47	067676	Bracket, Controller Electrical Connections (Not Shown)	1
48	067677	Panel, Electrical Mounting (Not Shown)	1
49	071391	Plate, Cooler, Right Hand	1
50	067961	Switch, Rocker, Engine Throttle Speed	1
51	068166	Switch, Key, Engine	1
-	070075	REPLACEMENT - Key, Engine	-
52	068614	Cover, Fuse Block (Not Shown)	1
53	068949	Cable, Shielded, Packard Connection, 3 Conductor, 1-meter (Not Shown)	1
54	069221	Cable, Cruise Control	1
55	069613	Pin, Connector, Nickel Plated, 16-20 AWG (Not Shown)	9
56	069614	Receptacle, Deutsch, 3-Way (Not Shown)	1
57	069615	Wedge, Receptacle, Deutsch, 3-Way (Not Shown)	1
58	069616	Receptacle, Deutsch, 6-Way (Not Shown)	1
59	069617	Wedge, Receptacle, Deutsch, 6-Way (Not Shown)	1
60	069618	Plug, Sealing, for Deutsch Connector (Not Shown)	1
61	069835	Light, LED, 1200 Lumens, 12VDC (1.3 Amp)	2
62	061374	Switch, Seat, Shut-Off (Not Shown)	1
-	069582	Kit, Fasteners, Seat Frame (Not Shown)	1

SECTION 1 PARTS

Lower Unit Assembly





SECTION 1 PARTS

Lower Unit Assembly

Item	Part No.	Description	Qty
-	074143	Assembly, Lower Unit	-
1	012702	Tip, Spray, 80° x 0.10 GPM, Brass	2
2	028035	Link, Master, #35 (Not Shown)	2
3	028842	Chain, End, for Cruise Control	2
4	028881	Chain, for Cruise Control	1
5	033735	Pump, for Spray System	1
6	012705	Retainer, Metal Spray Tip	2
7	043920	Filter, In-Line, Diesel	1
8	045757	Isolator, Motor Mount	4
9	046696	Box, Battery	1
10	046921	Valve, Foot Pedal Control	1
11	047294	Pad, Barrier, 7-7/16" x 5-11/16" x 1-1/2" (Not Shown)	1
12	047604	Battery, 700Cca 12V 48-B (Not Shown)	1
13	047700	Tank, Water, 6 Gallon, Plastic	1
14	047701	Cap, 3-1/2", Vented, Black	1
15	048246	Hose, Water, 3/8" (Not Shown)	
16	048562	Cushion, Bottom Tank [Rubber] (Not Shown)	2
17	048563	Channel, Battery, Hold-Down	1
18	048568	Pedal, Foot, Speed Control	1
19	048589	Rod, All-Thread, 1/4"-20	2
20	048653	Barb, Hose, 1/4" x 1/4" NPT, Plastic	2
21	048676	Plug, Hollow, SBR, Rubber (Not Shown)	8
22	048683	Cable, 4 AWG, 29", Black (Not Shown)	1
23	048684	Cable, 4 AWG, 36", Red (Not Shown)	1
24	048921	Strap, Tank Msp425	2
25	049981	Weldment, Spray Bracket, Right Hand	1
26	049982	Weldment, Spray Bracket, Left Hand (Not Shown)	1
27	060492	Plate, Cover, Top Deck, Side	1
28	060501	Weldment, Main Frame, HDX605	1

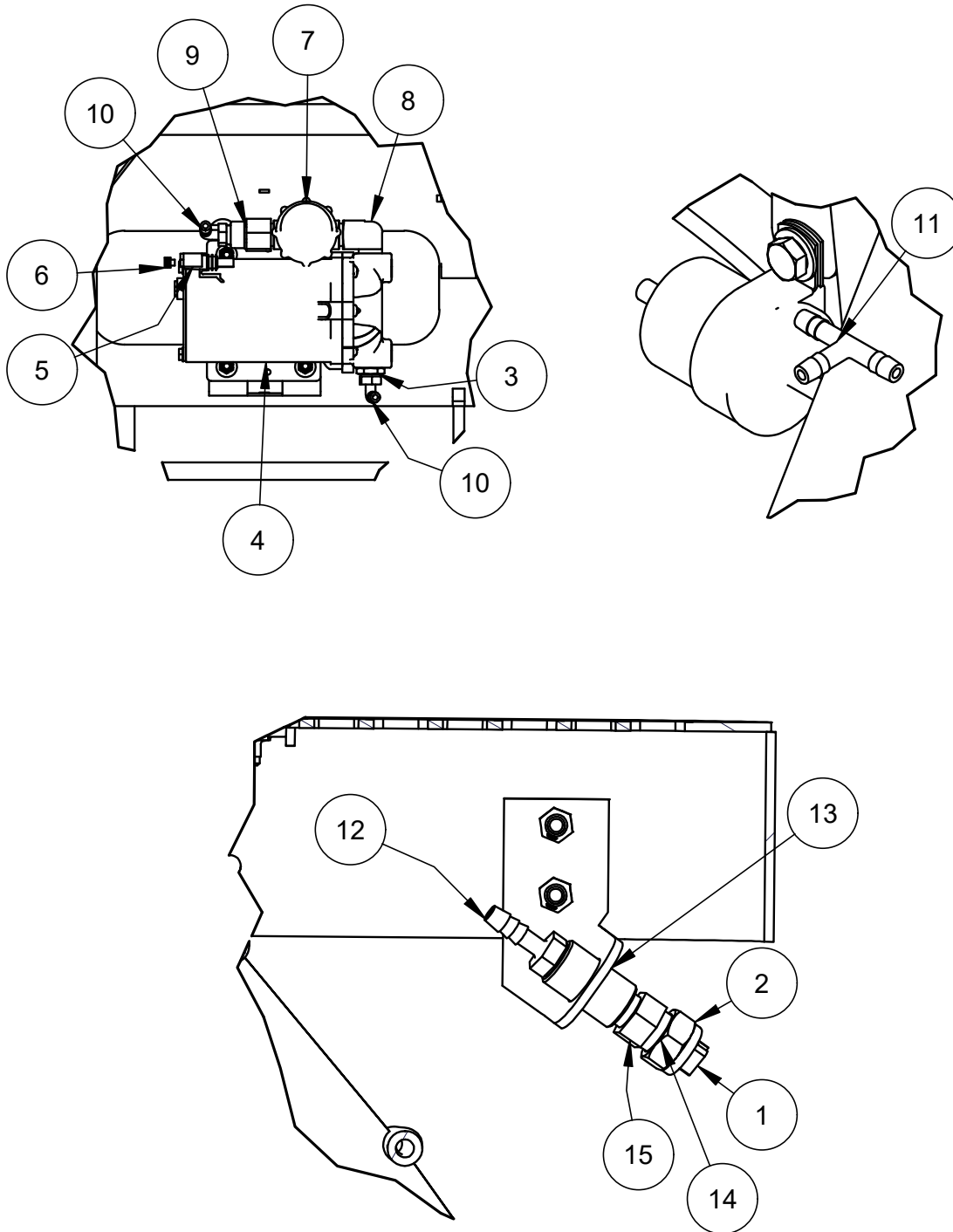
Lower Unit Assembly

SECTION 1 PARTS

Item	Part No.	Description	Qty
29	074147	Assembly, Rotor, Left Hand	1
30	074146	Assembly, Rotor, Right Hand	1
31	060554	Plate, Deck	1
32	060557	Step, Left Hand	1
33	060558	Step, Right Hand	1
34	060560	Cover, Front Foot Rest	1
35	064501	Cushion, Top Tank [Rubber] (Not Shown)	1
36	065219	Cover, Plate, Front	1
37	065244	Strainer, Poly, 100 micron, Mesh, with Check Valve (Not Shown)	2
38	065605	Assembly, Fuel Tank	1
39	065606	Sensor, Fuel Level, 12 VDC	1
40	065990	Line, Fuel, 5/16" I.D. (Not Shown)	10 ft
41	066152	Panel, Rear Ring	1
42	066255	Tube, for Manual	1
43	067269	Pump, Fuel	1
44	067270	Manifold, Fuel	1
45	067278	Clamp, Loop, Vibration Dampening, 1-3/4" I.D. (Not Shown)	1
46	067279	Clamp, Loop, Vibration Dampening, 2" I.D. (Not Shown)	1
47	067957	Cap, Non-Vent, for Unleaded Fuel Only With Tether	1
48	068622	Switch, Temperature, Cold Start	1
49	068977	Bracket, Lower Cruise Control Cable Mount	1
50	068978	Plate, Base for Foot Pedal	1
51	069221	Cable, Throttle, 52", Cruise Control (Not Shown)	1
52	069611	Receptacle, Deutsch, 2-Gange (Not Shown)	1
53	069612	Wedge, for Receptacle (Not Shown)	1
54	069613	Pin, Plated, 20-16 Ga, Nickel (Not Shown)	2
55	069835	Light, LED, 1200 Lumens @ 12 VDC (1.3 Amp)	4
-		Kit, Fasteners, Lower Unit	1

Spray System Illustration

Note: Images are for illustration only, parts may be located/set differently on the machine



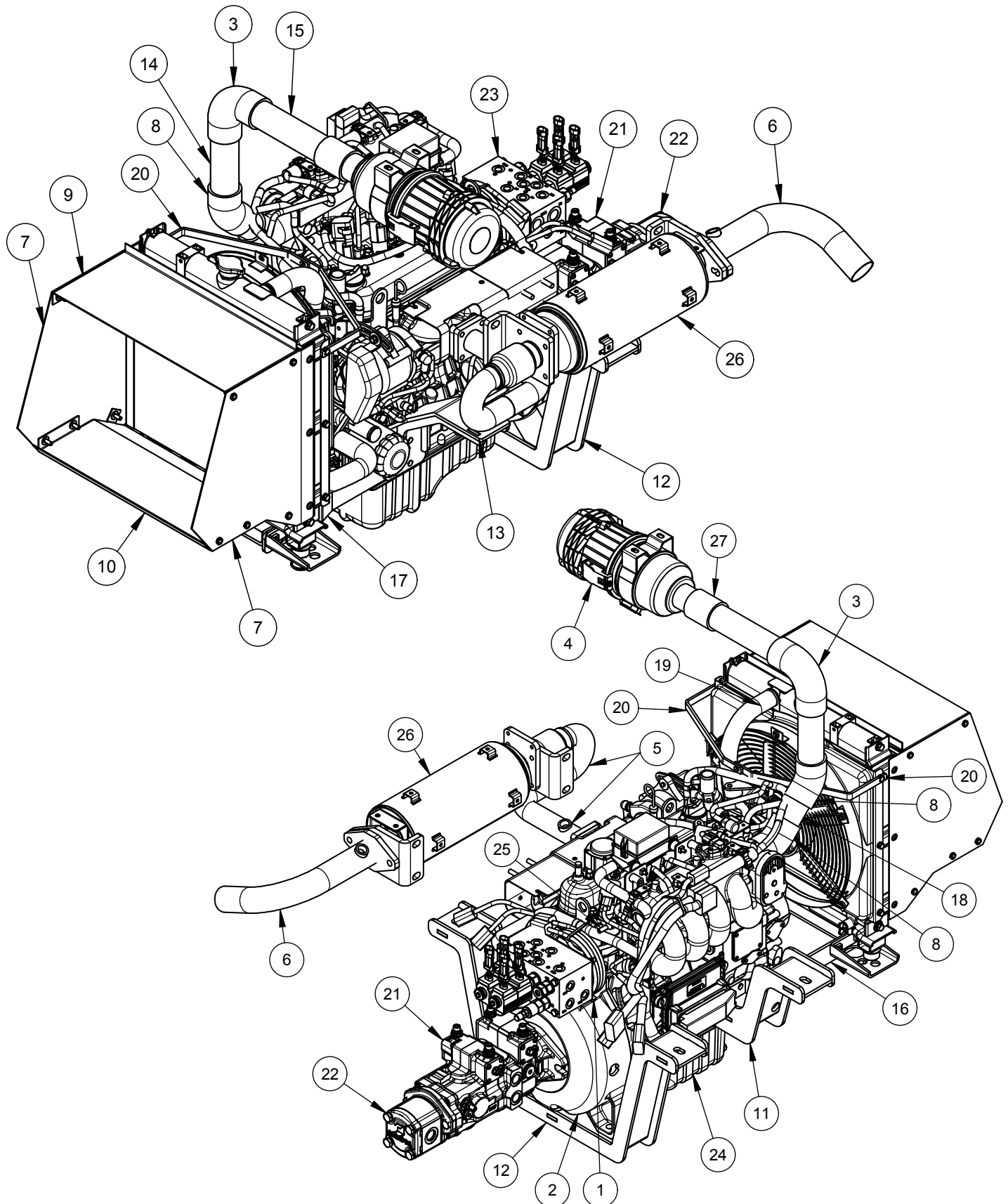
Spray System Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	012702	Spray Tip, 8001 Fine	2
2	012705	Brass Nozzle Nut	2
3	013557	Reducing Nipple, 3/8" x 1/4"	1
4	033735	Pump	1
5	038641	Housing, Female Term 2 Contact	1
6	038648	Cavity Seal, Grey for 038641	2
7	040209	Filter, Spray System	1
8	040387	Street Elbow, Brass 3/8" 90°	1
9	040388	Fitting, 3/8" x 1/4" Brass FM to FM Reducer	1
10	047933	Elbow, 1/4" Pushlok x 1/4" NPT Plastic	2
11	048652	Tee, Plastic 1/4"x 1/4" x 1/4"	1
12	048653	Hose Barb, Plastic 1/4" x 1/4" NPT	2
13	049982	Weldment, LH Spray Bracket	1
-	049981	Weldment, RH Spray Bracket	1
14	065244	Screen, 50 Mesh Blue with Check Valve	2
15	071531	Nozzle Body, Male Straight Tee Jet Brass	2
-	048246	HOSE, 3/8" WATER LINE	8.6FT

SECTION 1 PARTS

Engine Assembly



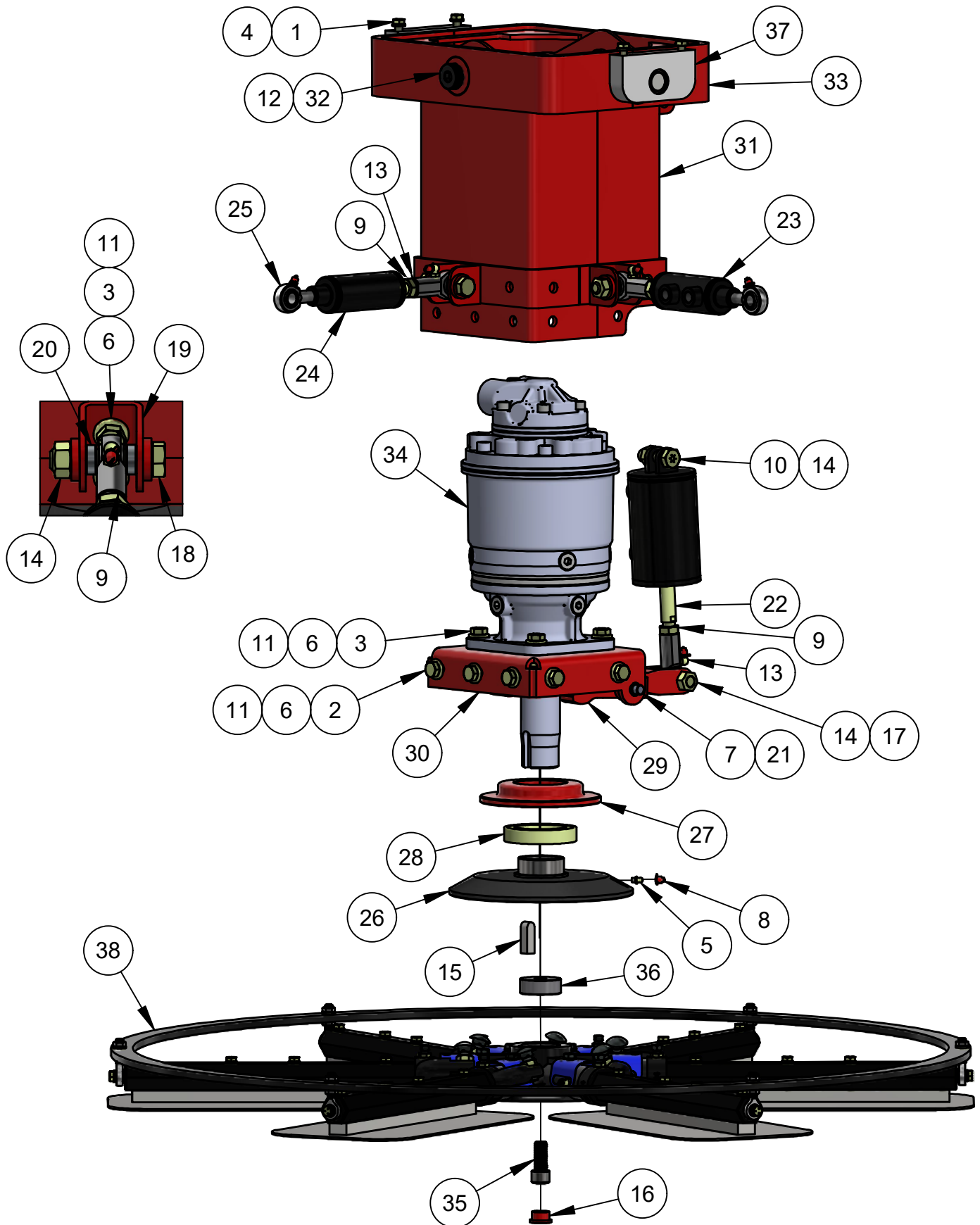
Engine Assembly

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	060608	Assembly, Engine, HDX605	-
1	048636	Bracket, Pitch/Steer Manifold	1
2	048679	Housing, Hayes Pump For Kubota	1
3	049581	Elbow, 2" I.D., 90°, Rubber	1
4	066237	Assembly, Air Cleaner	1
5	066344	Exhaust, Inlet	1
6	066345	Pipe, Tail	1
7	066901	Shroud, Radiator, Left & Right Hand	2
8	066902	Elbow, 2" I.D. 45°, Rubber	2
9	066903	Shroud, Radiator, Top	1
10	066904	Shroud, Radiator, Bottom	1
11	066915	Mount, Engine, Front, Right Hand	1
12	066920	Mount, Engine, Rear	1
13	066925	Mount, Engine, Front, Left Hand	1
14	066928	Tube, Intake, #1, for Breather	1
15	066929	Tube, Intake, #3, for Breather	1
16	067246	Bracket, Pusher Fan, Right Hand	1
17	067247	Bracket, Pusher Fan, Left Hand	1
18	070073	Connector, Intake Hose	1
19	067991	Hose, Modified Radiator, Bottom	1
20	068317	Bracket, Radiator Support, for Pusher Fan	2
21	068610	Pump, Tandem Piston	1
22	068611	Pump, Aux Hydraulic	1
23	068619	Manifold, Steering /Un-Loader	1
24	068955	Engine, Kubota WG1605	1
25	069399	Connector, Fuel, Female	1
26	069619	Muffler, Engine	1
27	069730	Sleeve, 2" I.D. x 2-1/2" Long, Silicone	1
28	071538	Shield, Heat, Left Hand	1
29	073818	Shield, Heat, Right Hand	1
-	068357	Kit, Hardware	1

SECTION 1 PARTS

Rotor Assembly - Left Hand



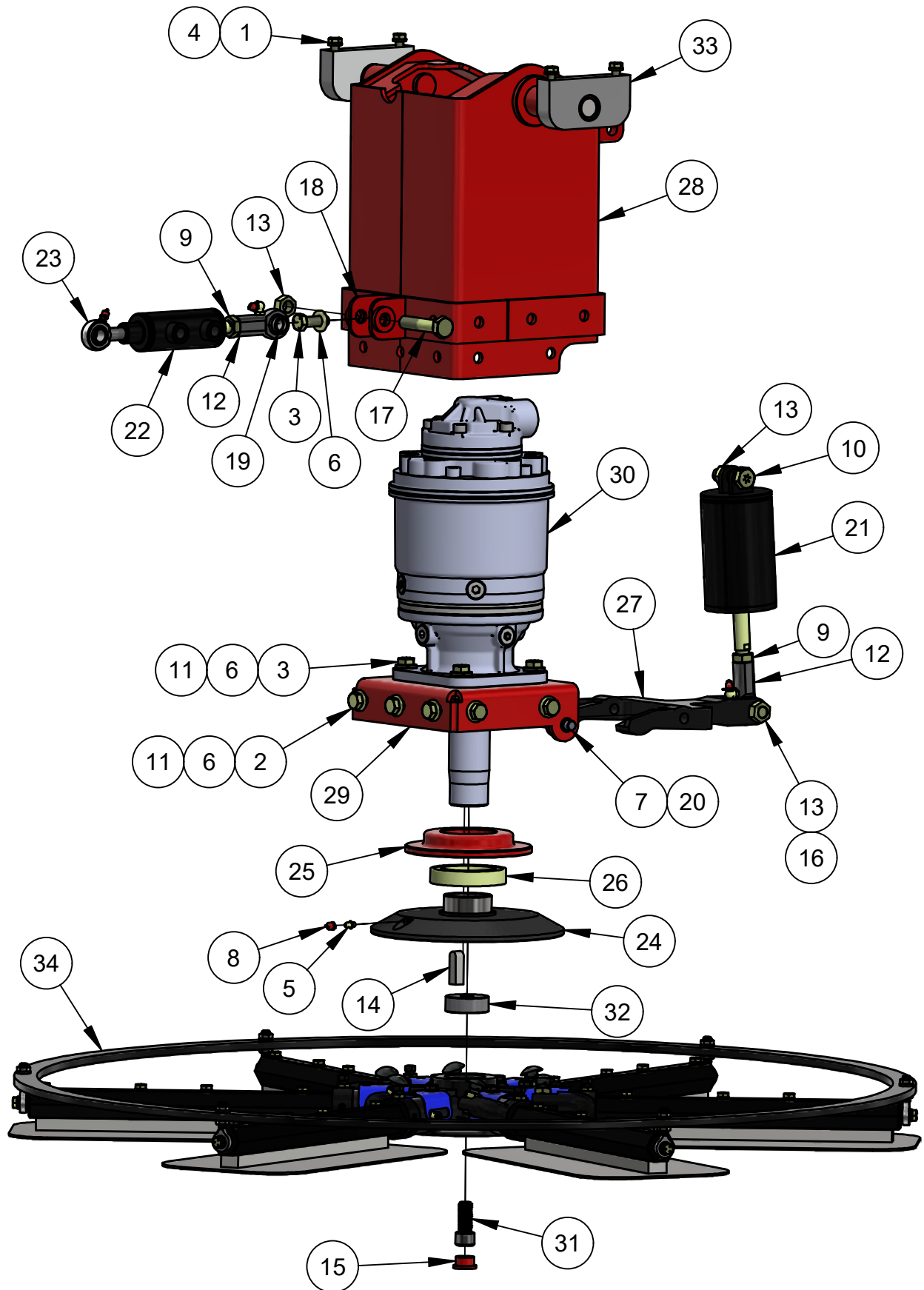
Rotor Assembly - Left Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074147	Assembly, Rotor, Left Hand	-
1	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	4
2	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	7
3	010069	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/2" Grade 8	6
4	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
5	010513	Fitting, Grease, Straight, 1/4"-28	1
6	011490	Fastener, Washer, Flat, 1/2", Grade 8	13
7	015677	Fastener, Retaining Ring, Ø7/16, E-Style	2
8	015692	Cap, Ø1/4, Red, Plastic	3
9	020688	Fastener, Nut, Hex, 5/8"-18, Grade 8	3
10	027969	Fastener, Bolt, HHCS, 5/8"-18 x 2", Grade 8	1
11	040208	Fastener, Nut, Hex, 1/2"-13, Grade 8	13
12	040265	Bushing, 3/4" Lg X Ø1.254" OD, Flange	2
13	043125	End, Rod, 5/8", Female	3
14	043269	Fastener, Nut, Hex, 5/8"-18, Grade 8	4
15	046231	Key, Rotor Shaft	1
16	046646	Plug, 7/8 Thread Protect Cap	1
17	047354	Fastener, Bolt, HHCS, 5/8"-18 x 2-1/4", Grade 8	1
18	048339	Fastener, Bolt, HHCS, 5/8"-18 x 3", Grade 8	2
19	048624	Channel, Cylinder Rod End Connector	2
20	048627	Spacer, Steering Connection	4
21	048628	Pin, Yoke Arm	1
22	048659	Cylinder, Pitch, 3" Bore x 1-1/2" Stroke	1
23	048660	Cylinder, Steering, 1-1/2" x 5/8"	1
24	048661	Cylinder, Steering, 1-1/2" x 1-1/4"	1
25	048747	Rod, End, 1/2", Male	2
26	049537	Plate, Pressure	1
27	049599	Cap, Bearing Cap	1
28	049697	Bearing, Spider Assembly	1
29	049698	Yoke Arm, Pitch	1
30	060672	Mount, for Hydraulic Motor	1
31	060675	Housing, Hydraulic Motor Mount, Left Hand	1
32	060679	Fastener, Bolt, Shoulder, 1" x 1", Grade 8	2
33	060680	Crosshead, 4-Way	1
34	060728	Motor, Hydraulic, Rotor, Right Hand Threads	1
35	064252	Fastener, Bolt, SHCS, 5/8"-11 x 1-1/2", Right Hand Thread, Grade 8	1
36	064253	Spacer, Washer, Retaining	1
37	064260	Assembly, Bearing	2
-	068157	REPLACEMENT - Bearing, Flanged, Bronze, 1" ID x 1" Long (for 064260 Bearing Assembly)	-
38	073512	Assembly, Lower Rotor, Left Hand	1

SECTION 1 PARTS

Rotor Assembly - Right Hand



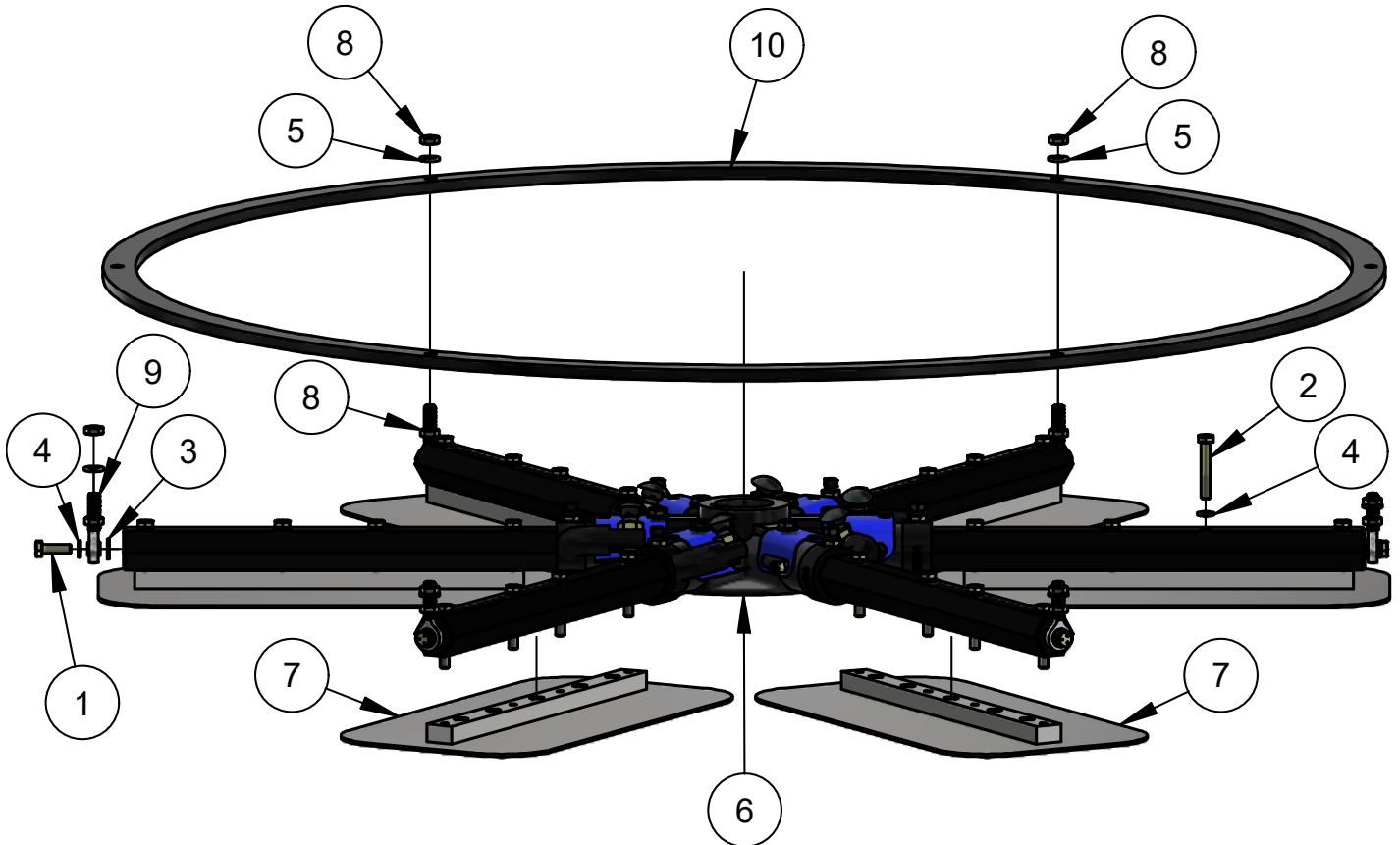
Rotor Assembly - Right Hand

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074146	Assembly, Rotor, Right Hand	-
1	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	4
2	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	7
3	010069	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/2", Grade 8	5
4	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
5	010513	Fitting, Grease, 1/4"-28, Straight	1
6	011490	Fastener, Washer, Flat, 1/2", Grade 8	12
7	015677	Ring, Retaining, Ø7/16", E-Style	2
8	015692	Cap, Grease, Ø1/4", Red, Plastic	2
9	020688	Fastener, Nut, Hex, 5/8"-18, Grade 8	2
10	027969	Fastener, Bolt, HHCS, 5/8"-18 x 2", Grade 8	1
11	040208	Fastener, Nut, Stover Lock, 1/2"-13, Grade 8	12
12	043125	Rod, End, 5/8", Female	2
13	043269	Fastener, Nut, Stover, 5/8"-18, Grade 8	3
14	046231	Key, Rotor Shaft	1
15	046646	Cap, Plug, 7/8" Thread, Protection	1
16	047354	Fastener, Bolt, HHCS, 5/8"-18 x 2-1/4", Grade 8	1
17	048339	Fastener, Bolt, HHCS, 5/8"-13 x 3", Grade 8	1
18	048624	Channel, Cylinder Rod, End Connector	1
19	048627	Spacer, Steering Connection	2
20	048628	Pin, Yoke Arm	1
21	048659	Cylinder, Pitch, HDX Series, 3" Bore, 1-1/2" Stroke	1
22	048661	Cylinder, Steering, 1-1/2" x 1-1/4"	1
23	048747	Rod, End, 1/2", Male	1
24	049537	Plate, Pressure	1
25	049599	Cap, Bearing	1
26	049697	Bearing, Spider Assembly	1
27	049698	Arm, Yoke, Pitch	1
28	060664	Housing, Hydraulic Motor Mount, Right Hand	1
29	060672	Mount, Hydraulic Motor	1
30	060727	Motor, Hydraulic, Rotor, Left Hand Threads	1
31	064251	Fastener, Bolt, SHCS, 5/8"-11 x 1-1/2", Left Hand Thread	1
32	064253	Washer, Retaining	1
33	064260	Assembly, Bearing	2
-	068157	REPLACEMENT - Bearing, Flanged, Bronze, 1" ID x 1" Long (for 064260 Bearing Assembly)	2
34	073513	Assembly, Lower Rotor, Right Hand	1

SECTION 1 PARTS

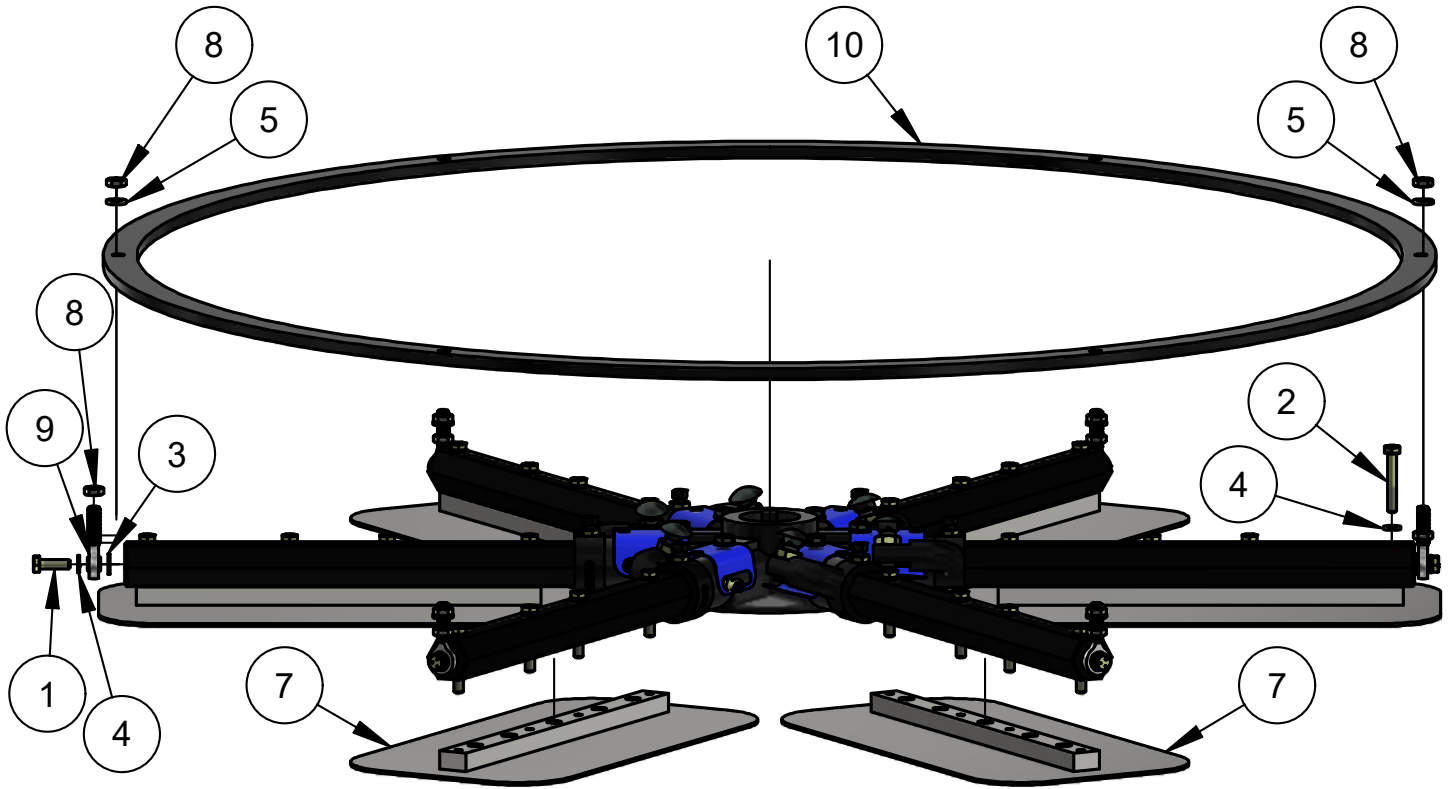
Lower Rotor Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	073512	Assembly, Lower Rotor, Left Hand	-
1	010020	Fastener, Bolt, HHCS, 5/16"-18 x 1", Grade 8	6
2	010024	Fastener, Bolt, HHCS, 5/16"-18 x 2", Grade 8	24
3	010082	Fastener, Washer, Flat, 5/16", Grade 8	6
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	30
5	010091	Fastener, Washer, Lock, 3/8", Grade 8	6
6	060538	Assembly, Spider, Left Hand, 6-Blade	1
7	070550	Blade, Flat Finish, 16"	6
8	069566	Fastener, Nut, Hex, 3/8"-24, Thin	12
9	069567	Ball Joint, Rod End, Male, 3/8"-24 Shank, 5/16" I.D.	6
10	073343	Ring, Stabilizer, 6-Blade, 46" Rotor	1

Lower Rotor Assembly - Right Hand

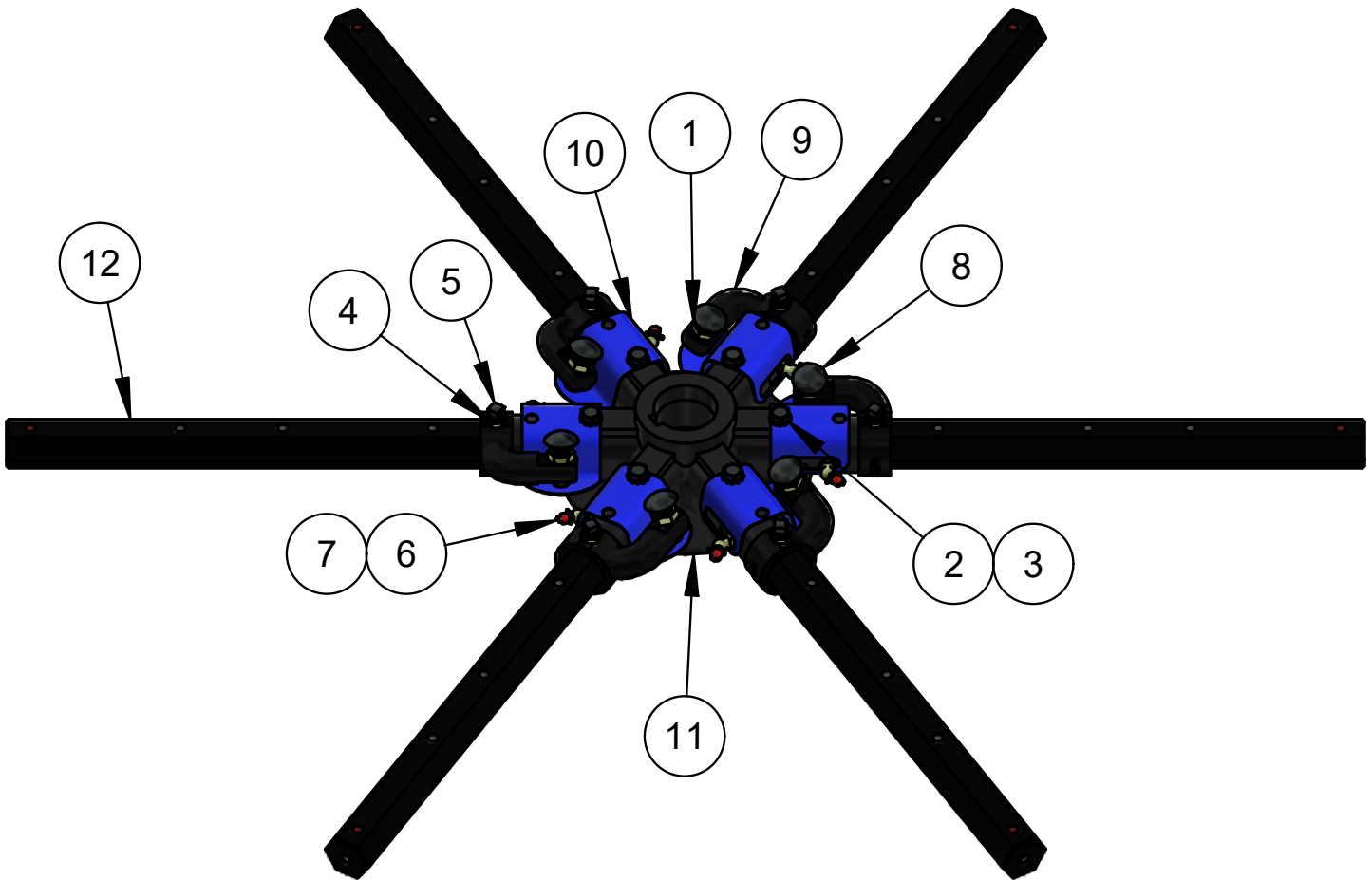
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	073513	Assembly, Lower Rotor, Right Hand	-
1	010020	Fastener, Bolt, HHCS, 5/16"-18 x 1", Grade 8	6
2	010024	Fastener, Bolt, HHCS, 5/16"-18 x 2", Grade 8	24
3	010082	Fastener, Washer, Flat, 5/16", Grade 8	6
4	010090	Fastener, Washer, Lock, 5/16", Grade 8	30
5	010091	Fastener, Washer, Lock, 3/8", Grade 8	6
6	060541	Assembly, Spider, Right Hand, 6-Blade	1
7	070550	Blade, Flat Finish, 16"	6
8	069566	Fastener, Nut, Hex, 3/8"-24, Thin	12
9	069567	Ball Joint, Rod End, Male, 3/8"-24 Shank, 5/16" I.D.	6
10	073343	Ring, Stabilizer, 6-Blade, 46" Rotor	1

SECTION 1 PARTS

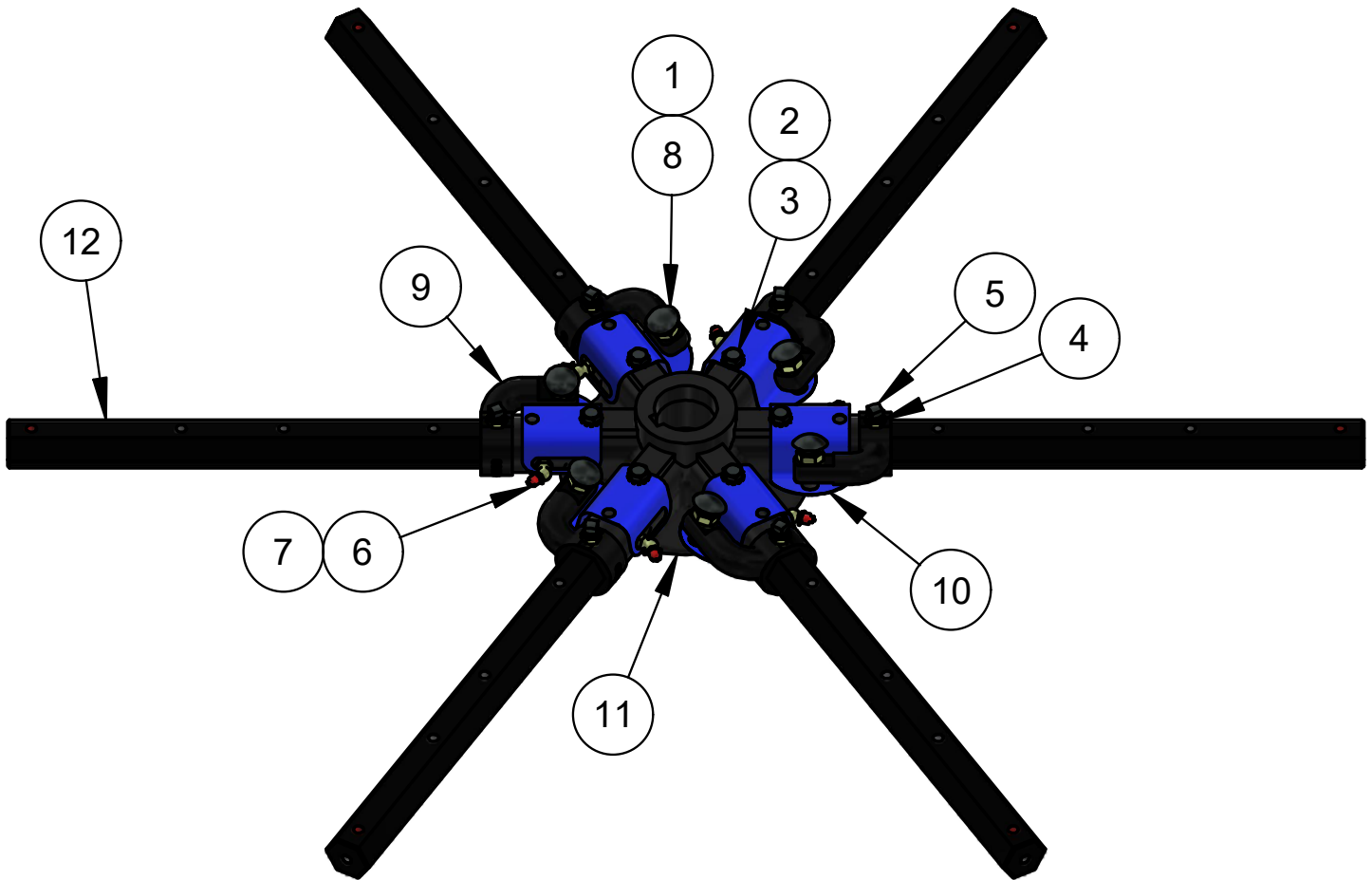
Spider Assembly - Left Hand



ITEM	PART #	DESCRIPTION	QTY
-	073512	Assembly, Spider, Left Hand, HDX605	-
1	010050	Fastener, Nut, Hex, 1/2"-13	6
2	015682	Fastener, External Tooth, 3/8"	6
3	015683	Fastener, Bolt, Hex Head, 3/8"-16 x 7/8"	6
4	015684	Fastener, Nut, Hex, 3/8"-16	6
5	015686	Fastener, Bolt, SQHSS, 3/8"-16 x 1"	6
6	015692	Cap, Grease, 1/4", Plastic, Red	6
7	024755	Fitting, Grease, 1/8"-27 NPT, 45°	6
8	028216	Fastener, Bolt, 1/2"-13 x 1-1/2", Grade 8	6
9	033034	Lever, Lift, Universal	6
10	040792	Clip, Spider Spring, 46-48	6
11	064198	Boss, Spider, 6-Blade, Universal	1
12	060537	Arm, Trowel, 4ft, for 6-Arm Spider	6

Spider Assembly - Right Hand

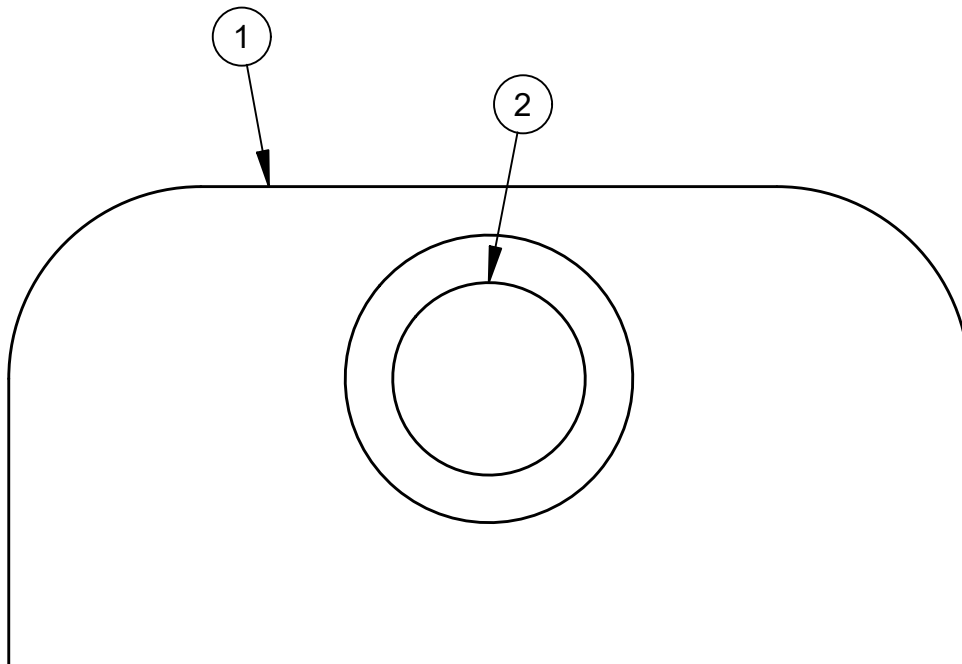
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	073513	Assembly, Spider, Right Hand, HDX605	-
1	010050	Fastener, Nut, Hex, 1/2"-13	6
2	015682	Fastener, External Tooth, 3/8"	6
3	015683	Fastener, Bolt, Hex Head, 3/8"-16 x 7/8"	6
4	015684	Fastener, Nut, Hex, 3/8"-16	6
5	015686	Fastener, Bolt, SQHSS, 3/8"-16 x 1"	6
6	015692	Cap, Grease, 1/4", Plastic, Red	6
7	024755	Fitting, Grease, 1/8"-27 NPT, 45°	6
8	028216	Fastener, Bolt, 1/2"-13 x 1-1/2", Grade 8	6
9	033034	Lever, Lift, Universal	6
10	040792	Clip, Spider Spring, 46-48	6
11	064198	Boss, Spider, 6-Blade, Universal	1
12	060537	Arm, Trowel, 4ft, for 6-Arm Spider	6

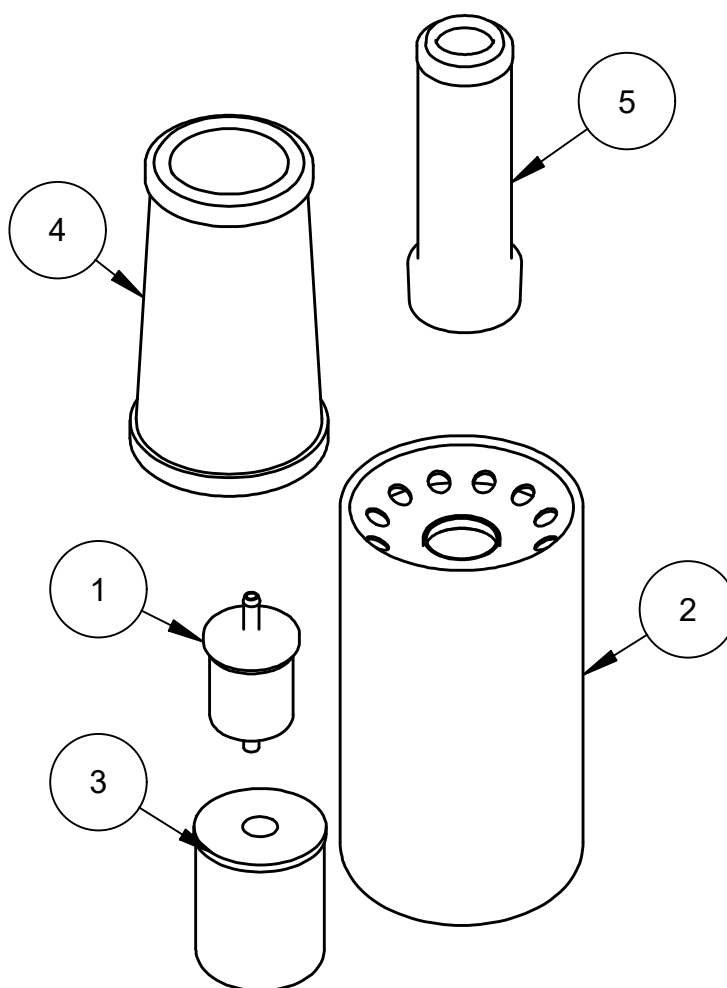
SECTION 1 PARTS

Bearing Block Assembly (064260)



ITEM	PART NO.	DESCRIPTION	QTY
1	064259	BLOCK, FOR BEARING BLOCK	1
2	068157	FLANGED BEARING, 1" ID X 1 LONG OIL IMPREGNATED BRONZE	1

Note: Images for reference only



ITEM	PART NO.	DESCRIPTION	QTY
1	043920	FUEL FILTER, IN-LINE F/ WG1605 KUBOTA	1
2	049801	FILTER, HYDRAULIC SPIN-ON	1
3	064828	OIL FILTER, ELEMENT F/ WG1605 KUBOTA	1
4	069428	AIR FILTER, PRIMARY FOR WG1605 KUBOTA	1
5	069429	AIR FILTER, SAFETY ELEMENT FOR WG1605 KUBOTA	1

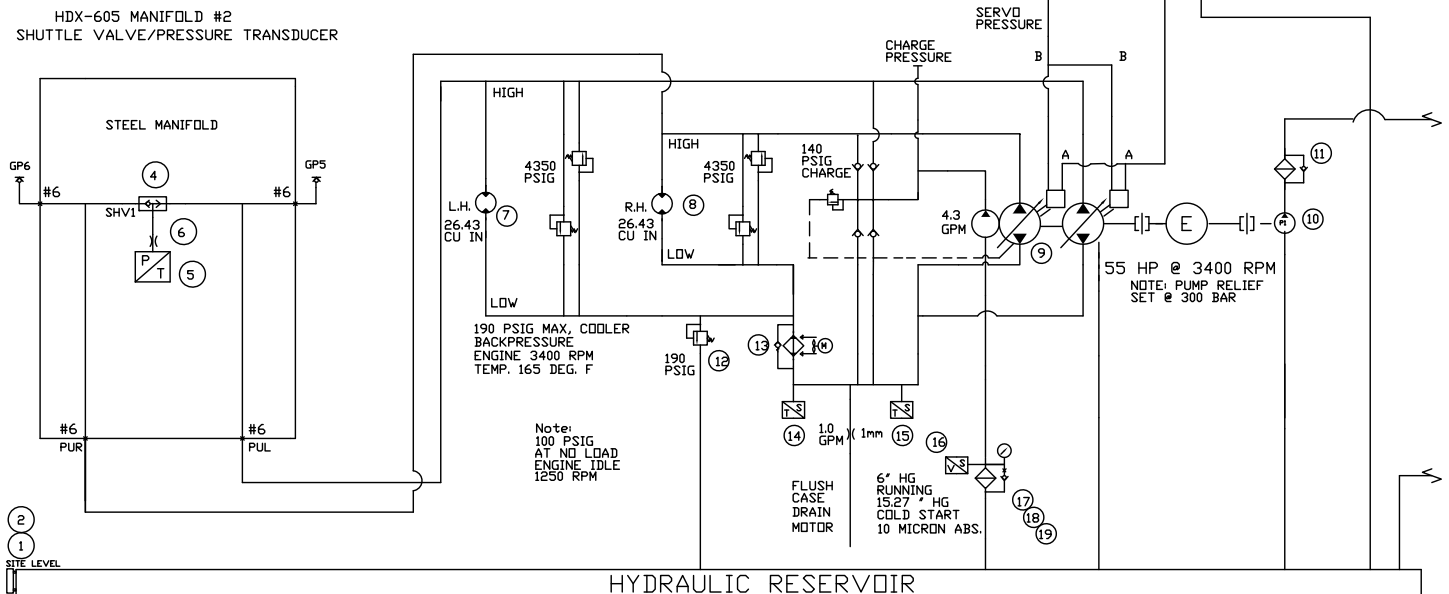
Hydraulic Schematic

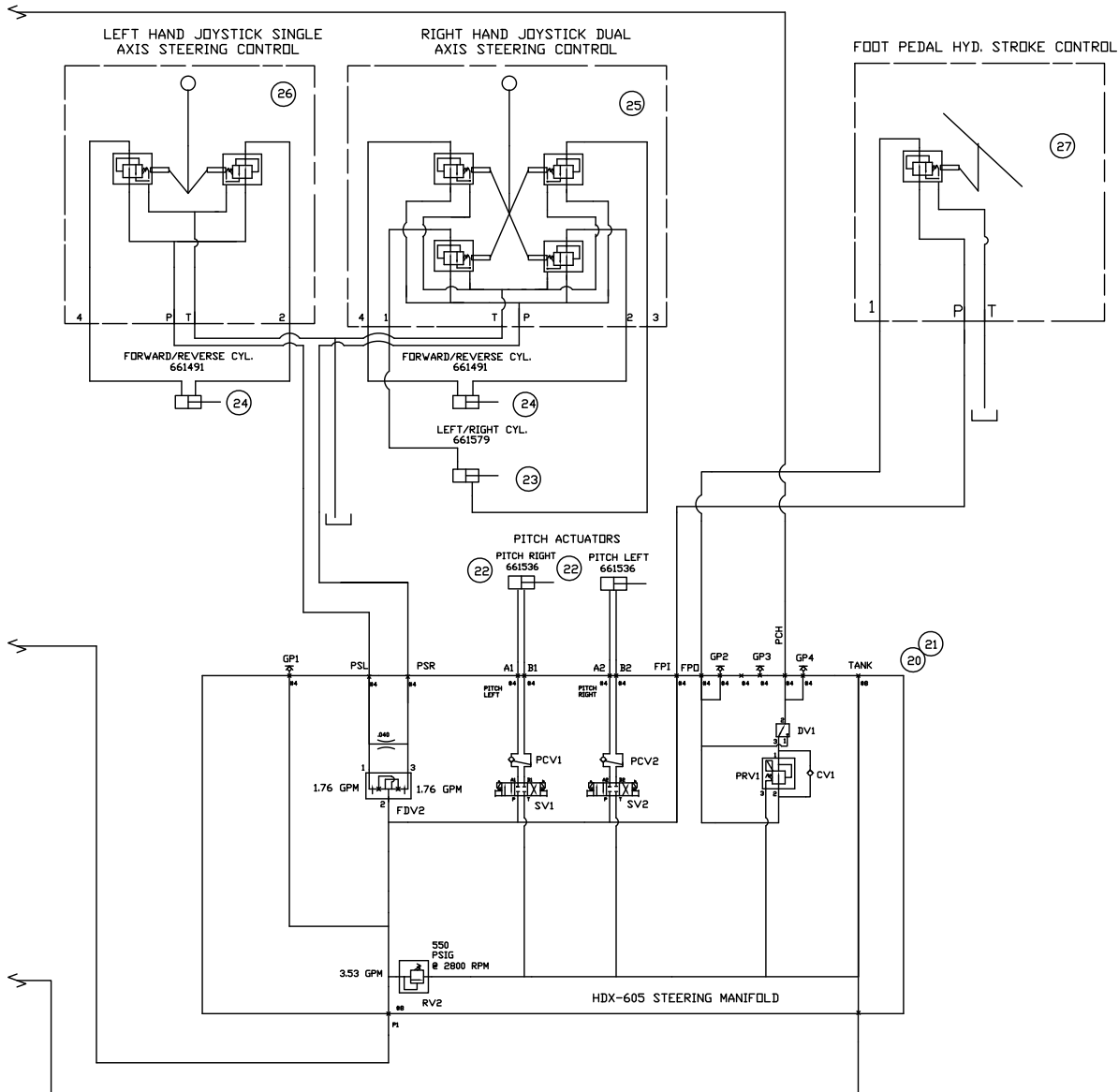
CUSTOMER: ALLEN ENG.
DATE: 9/30/2018
PROJECT: HDX-605 GASOLINE VERSION RIDING TROWEL
FILE: ALLEN-118 (HDX-605) GASOLINE VERSION.DWG
BY: MCKEAN FLUID-AIR SYS. INC. (MICHAEL W. MCKEAN)

SPECIAL NOTES:

- PUMP RELIEF: 300 BAR
- CHARGE PUMP: 150°F @ 3400 RPM (140 PSIG)
- CHARGE PUMP: 150°F @ 1250 RPM (140 PSIG)
- RV2 STEERING PRESSURE: 150°F @ 3400 RPM (490-500 PSIG)
- COLD STARTUP TEMP.: 50°F
- HIGH TEMP. ALARM: 180°F
- FILTER VACUUM SWITCH SET @ 7" HG ALARM LIGHT

HYDRAULIC SCHEMATIC FOR HYDRAULIC PARALLEL ROTATION OF
CONCRETE TROWEL ROTOR BLADES - TWIN BLADE ROTATION HDX-605





SECTION 1 PARTS

Hydraulic System - Components

Bill of Material - HDX605 Hydraulic System Components

ITEM #	AEC PART #	DESCRIPTION	QTY
-	068845	Kit, Component, Hydraulic, HDX605	1
1	068617	Assembly, Valve, Shuttle	1
2	068618	Transducer, Pressure, with Cable (0-5000 PSIG)	1
3	068611	Pump, Auxiliary Gear	1
4	068624	Assembly, Cooler Relief Valve (set @ 190 PSI)	1
5	068616	Cooler, Air/Oil	1
6	068620	Switch, Cooler Fan, Relay	1
7	068622	Switch, Cold Start Temperature	1
8	068623	Switch, High Temperature (80°C, N.O.)	1
9	068626	Switch, Vacuum (Deutsch Connector, N.O.)	1
10	066149	Switch, Vacuum (Deutsch Connector, N.O.)	1
11	049801	Filter, Element, Suction, 10 Micron	1
12	046369	Gauge, Suction Filter	1
13	068619	Manifold, Steering	1
14	068621	Controller, Horsepower	1
15	048659	Cylinder, Pitch	2
16	048660	Cylinder, Steering, Left/Right	1
17	048661	Cylinder, Steering, Forward/Reverse	1
18	064511	Joystick, Right Hand	1
19	064510	Joystick, Left Hand	1
20	046921	Valve, Foot Pedal	1

Hydraulic System - Fitting Kits

SECTION 1 PARTS

Bill of Material - HDX605 Hydraulic System Fitting Kits

ITEM #	AEC PART #	DESCRIPTION	QTY
-	068627	Kit, Fitting, Hydraulic, HDX605	1
1	070012	Kit, Fitting, HDX605, Tandem Pump	1
2	070013	Kit, Fitting, HDX605, Steering Manifold	1
3	070014	Kit, Fitting, HDX605, Auxiliary Pump	1
4	070015	Kit, Fitting, HDX605, Vent Pump	1
5	070016	Kit, Fitting, HDX605, Main Frame	1
6	070017	Kit, Fitting, HDX605, Pitch and Steering Cylinder	1
7	070018	Kit, Fitting, HDX605, Foot Valve	1
8	070019	Kit, Fitting, HDX605, Left Hand Rotor Motor	1
9	070020	Kit, Fitting, HDX605, Right Hand Rotor Motor	1
10	070021	Kit, Fitting, HDX605, Unloader	1
11	070022	Kit, Fitting, HDX605, Cooler	1
12	070023	Kit, Fitting, HDX605, Right Hand Joystick	1
13	070024	Kit, Fitting, HDX605, Left Hand Joystick	1

SECTION 1 PARTS

Hydraulic System - Hoses

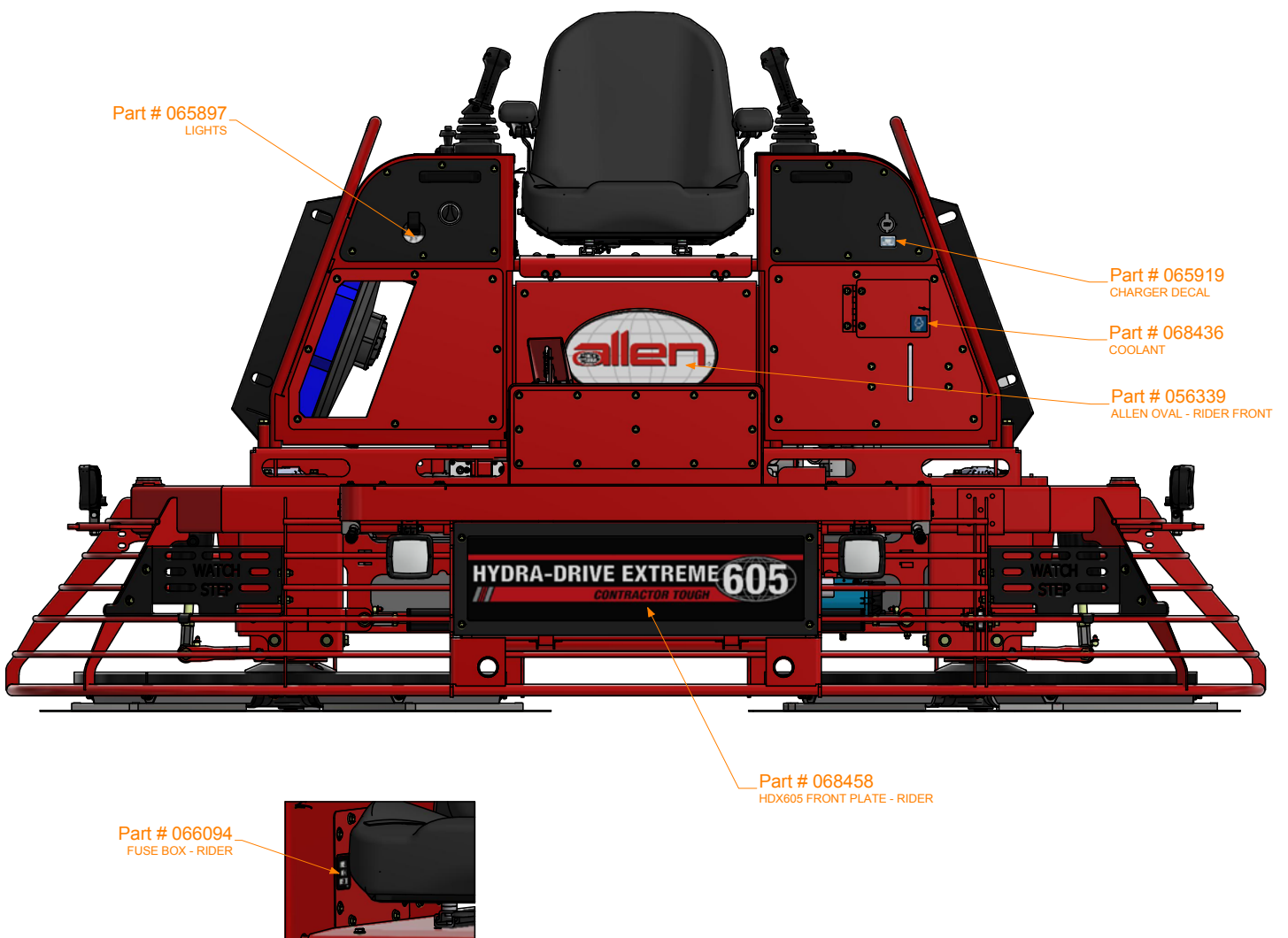
Bill of Material - HDX605 Hydraulic System Hoses

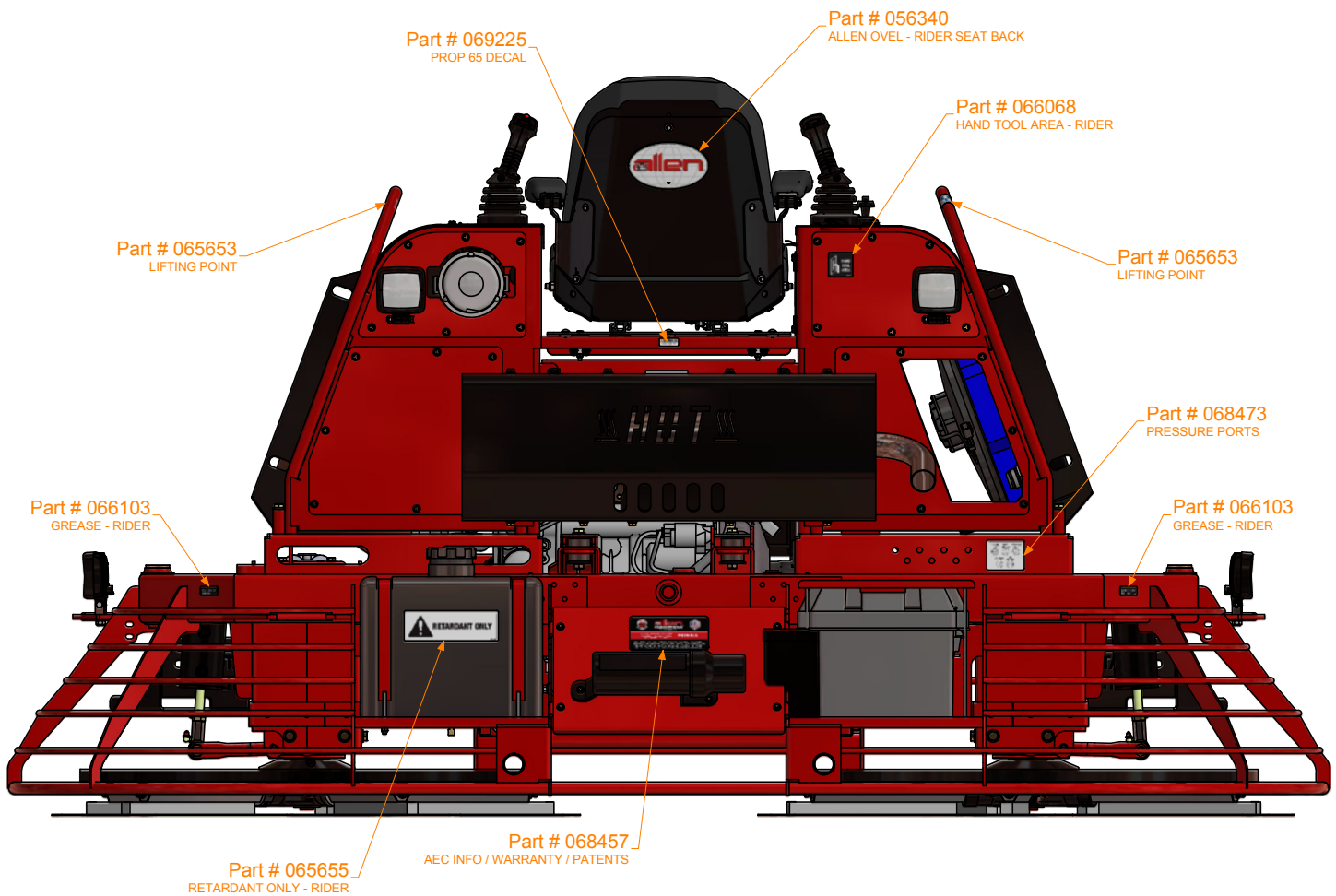
HOSE #	PART #	CUT LENGTH (IN)	CONNECTION DETAIL	QTY
-	068628	-	Kit, Hose, Hydraulic, HDX605	1
1	069972	9	Back of Pump to Front	1
2	069973	9	Back of Pump to Front	1
3	069974	14	Pump to Steering Block	1
4	069975	17	Auxiliary Pump to Steering Block	1
5	069976	80	Left Hand Pitch Cylinder to Steering Block	1
6	069977	80	Right Hand Pitch Cylinder to Steering Block	1
7	069978	72	Left/Right Cylinder to Joystick	1
8	069979	72	Left/Right Cylinder to Joystick	1
9	069980	44	Left Hand Forward/Reverse Cylinder to Joystick	1
10	069981	44	Left Hand Forward/Reverse Cylinder to Joystick	1
11	069982	44	Right Hand Forward/Reverse Cylinder to Joystick	1
12	069983	44	Right Hand Forward/Reverse Cylinder to Joystick	1
13	069984	48	Right Hand Pitch Cylinder to Steering Block	1
14	069985	48	Right Hand Pitch Cylinder to Steering Block	1
15	069986	84	Right Hand Motor to Left Hand Motor	1
16	069987	55	Left Hand Motor to Pump	1
17	069988	60	Left Hand Motor to Cooler	1
18	069989	29	Right Hand Motor to Pump	1
19	069990	23	Right Hand Motor to Cooler	1
20	069991	18	Left Hand Motor to Tank	1
21	069992	36	Tank to Left Hand Joystick	1
22	069993	44	Tank to Right Hand Joystick	1
23	069994	43	Tank to Steering Block	1
24	069995	28	Tank Filter to Pump	1
25	069996	16	Unloader to Pump	1
26	069997	21	Unloader to Pump	1
27	069998	16	Tank to Auxiliary Pump	1
28	069999	16	Tank to Pump	1
29	070000	76	Steering Block to Joystick	1
30	070001	45	Pressure From Steering Block to Joystick	1
31	070002	31	Cooler Out to Front of Pump	1
32	070003	47	Cooler Out to Back of Pump	1
33	070004	27	Cooler to Right Hand Motor	1
34	070005	30	Cooler to Back Tank	1
35	070006	29	Foot Valve to Tank	1
36	070007	18	Foot Valve to Front of Steering Block	1
37	070008	32	Foot Valve to Top Back of Steering Block	1
38	070009	19	Tank to Vent Tank	1
39	070070	17.5	Pump to Vent Tank	1
39	070010	-	Test Hose Assembly (20in, 508mm)	2
40	070011	-	Test Hose Assembly (27in, 686mm)	3

SECTION 2: DECALS

SECTION 2 DECALS

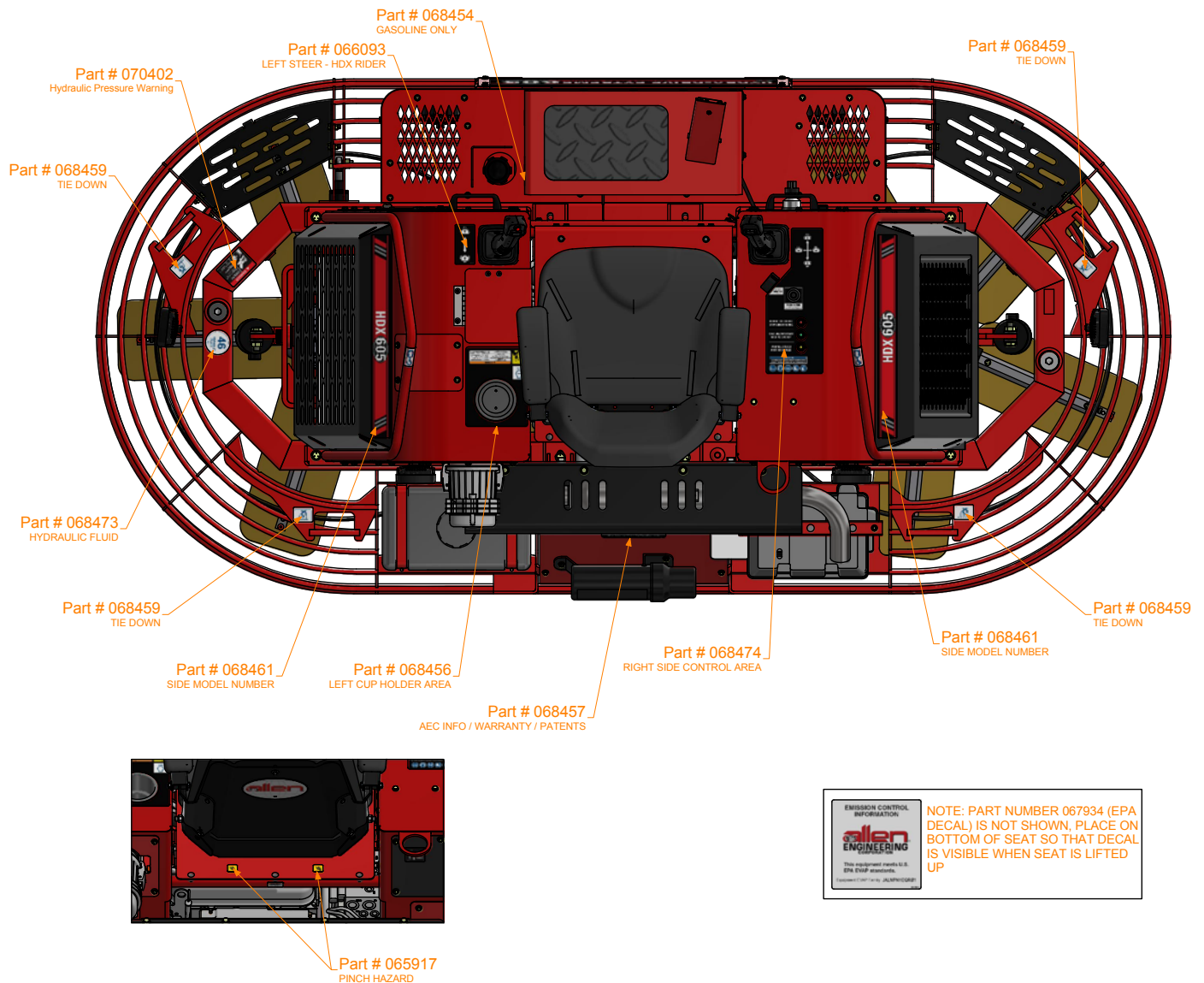
Decals - Front (Kit #: 068460)



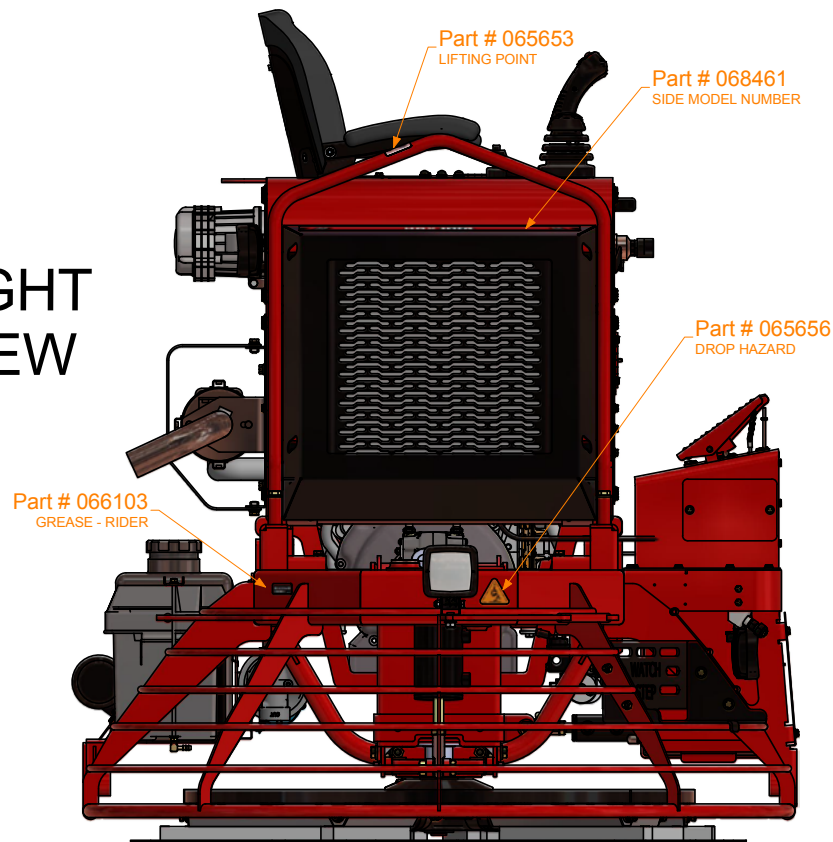


SECTION 2 DECALS

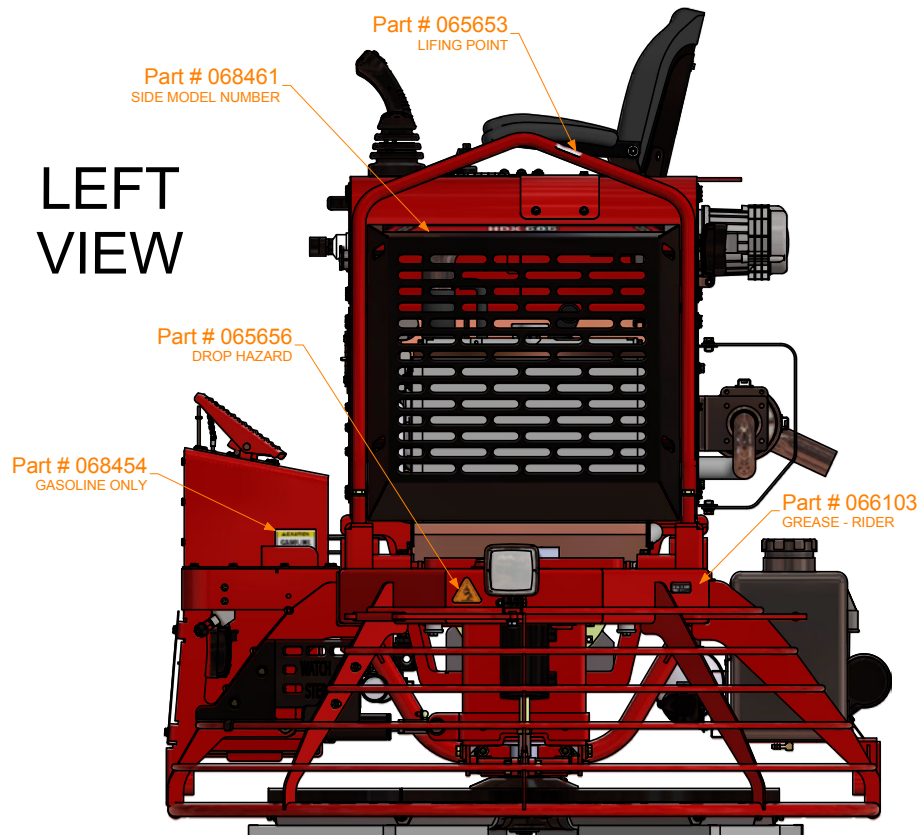
Decals - Top (Kit #: 068460)



RIGHT
VIEW



LEFT
VIEW



Revision Detail

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	11/20	Initial Release	MW
A	02/21	MN 21-003	MW
B	03/21	MN 21-005	MW
C	01/22	Updated Covers	MK
D	06/22	Updated Trowel Arm PN	MK
E	12/23	Added Spray System Info	MK
F	01/30	24-622 - Blade PN Change	MK
G	10/25	Added HYD & ENG filters	MK

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With other Patents Pending.

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