

RIDING TROWEL

MSP465



PARTS & DECALS MANUAL

Manual Part #: 069598P | Revision: H
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

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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:

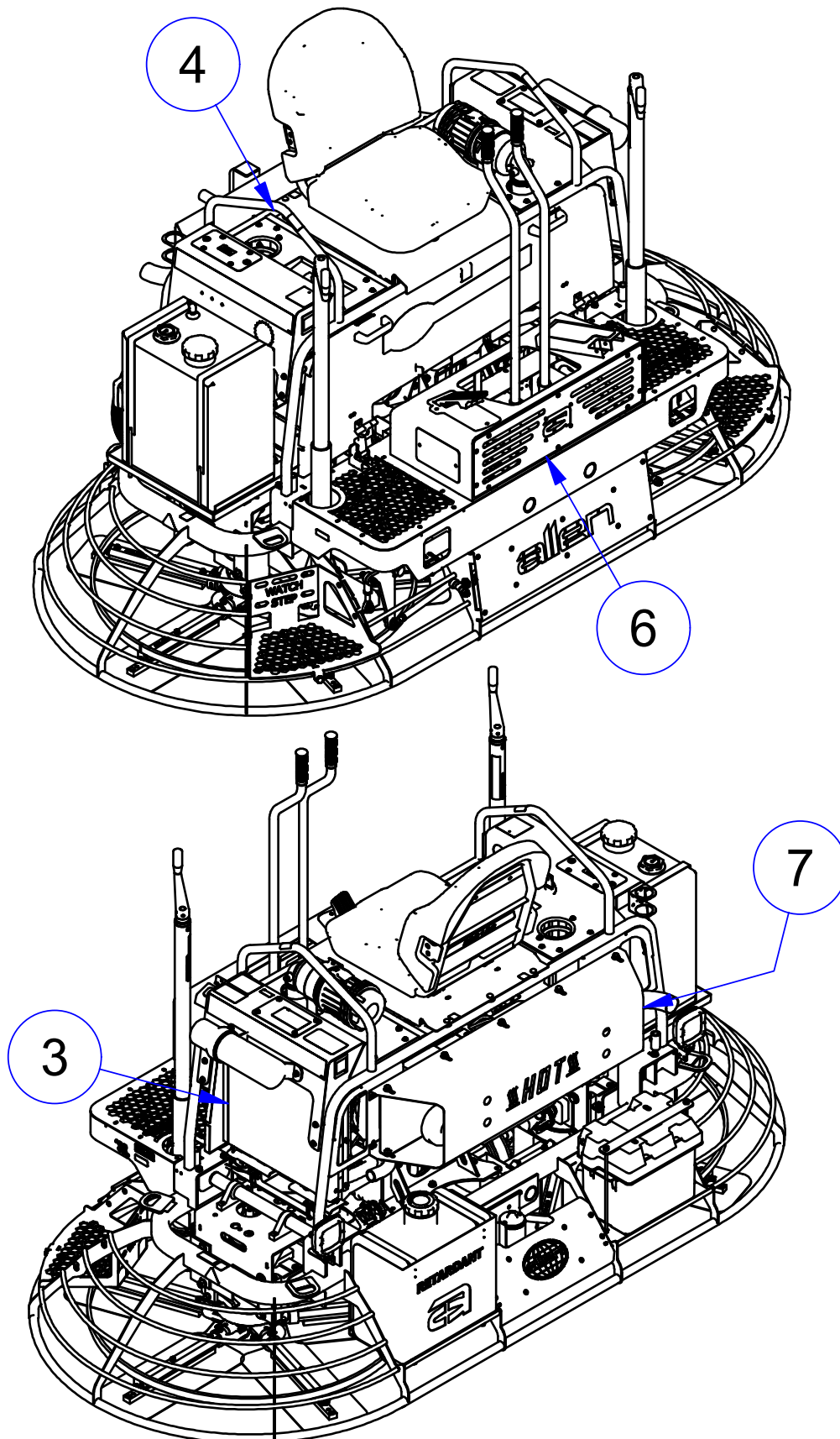
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO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

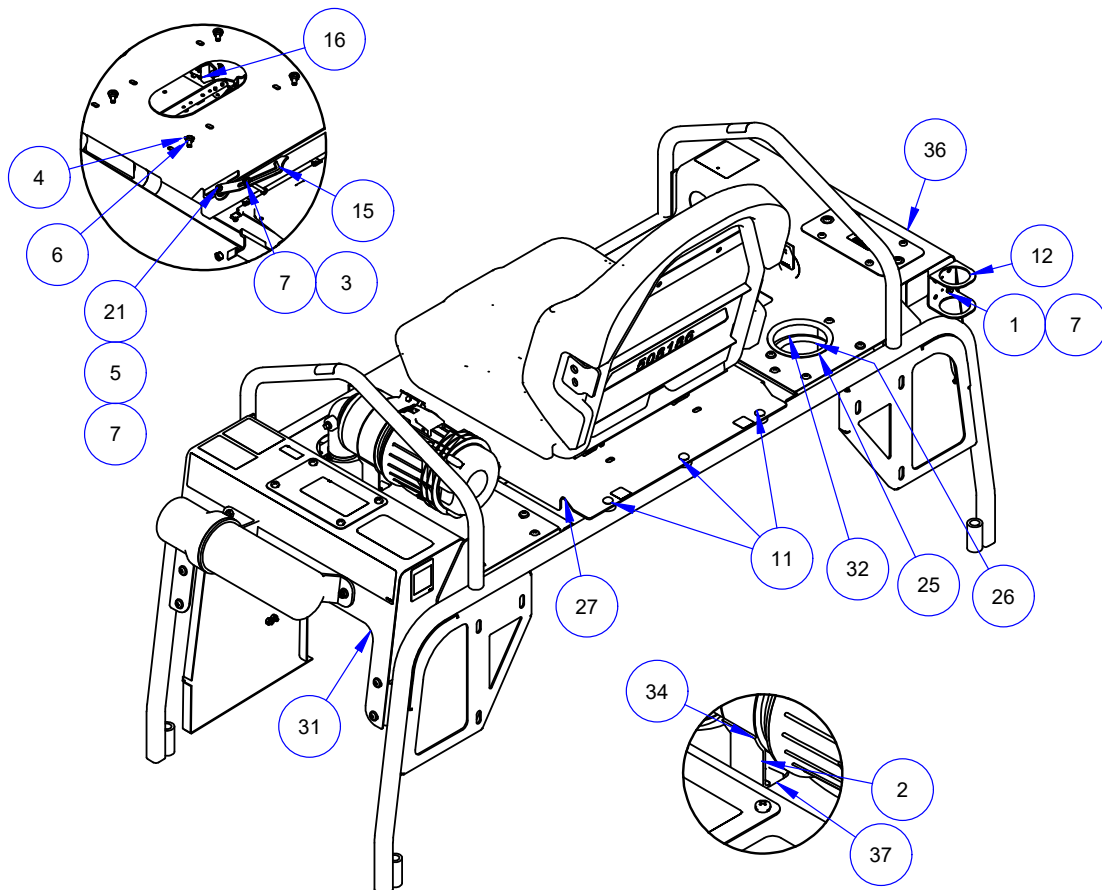
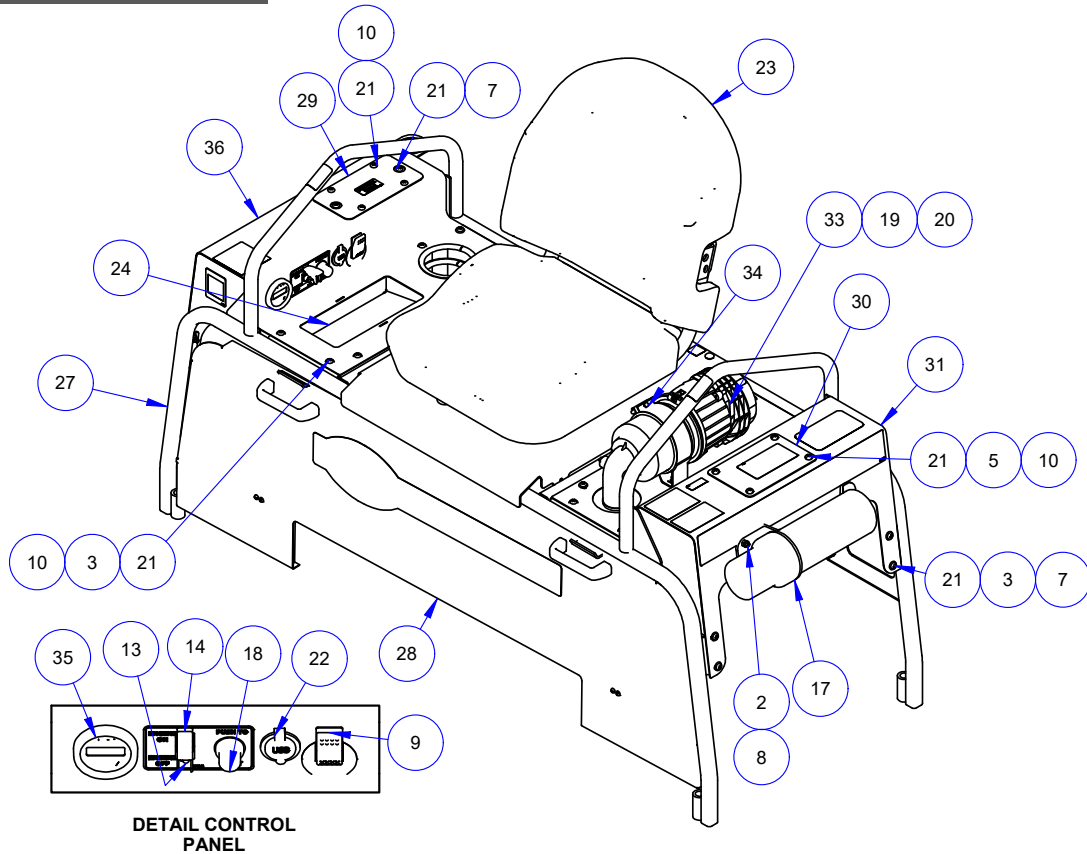
General Assembly (074200)



ITEM	PART #	DESCRIPTION	QTY
1	073447	WIRING HARNESS (COMES W/ ENGINE)	1
2	074139	KIT, HYD. SPRAY AND LUBRICATION	1
3	074180	ASSEMBLY, POWER UNIT	1
4	074230	ASSEMBLY, SEAT FRAME	1
5	074342	KIT, DECAL MSP465	1
6	075910	ASSEMBLY, MAIN FRAME	1
7	077701	ASSEMBLY, MUFFLER SHIELD	1
8	078111	HARNESS, LIGHT WIRING (6 LIGHT VERSION)	1
9	080575	HARNESS, LIGHT WIRING (4 LIGHT VERSION)	1

SECTION 1 PARTS

Seat Frame Assembly (074230)



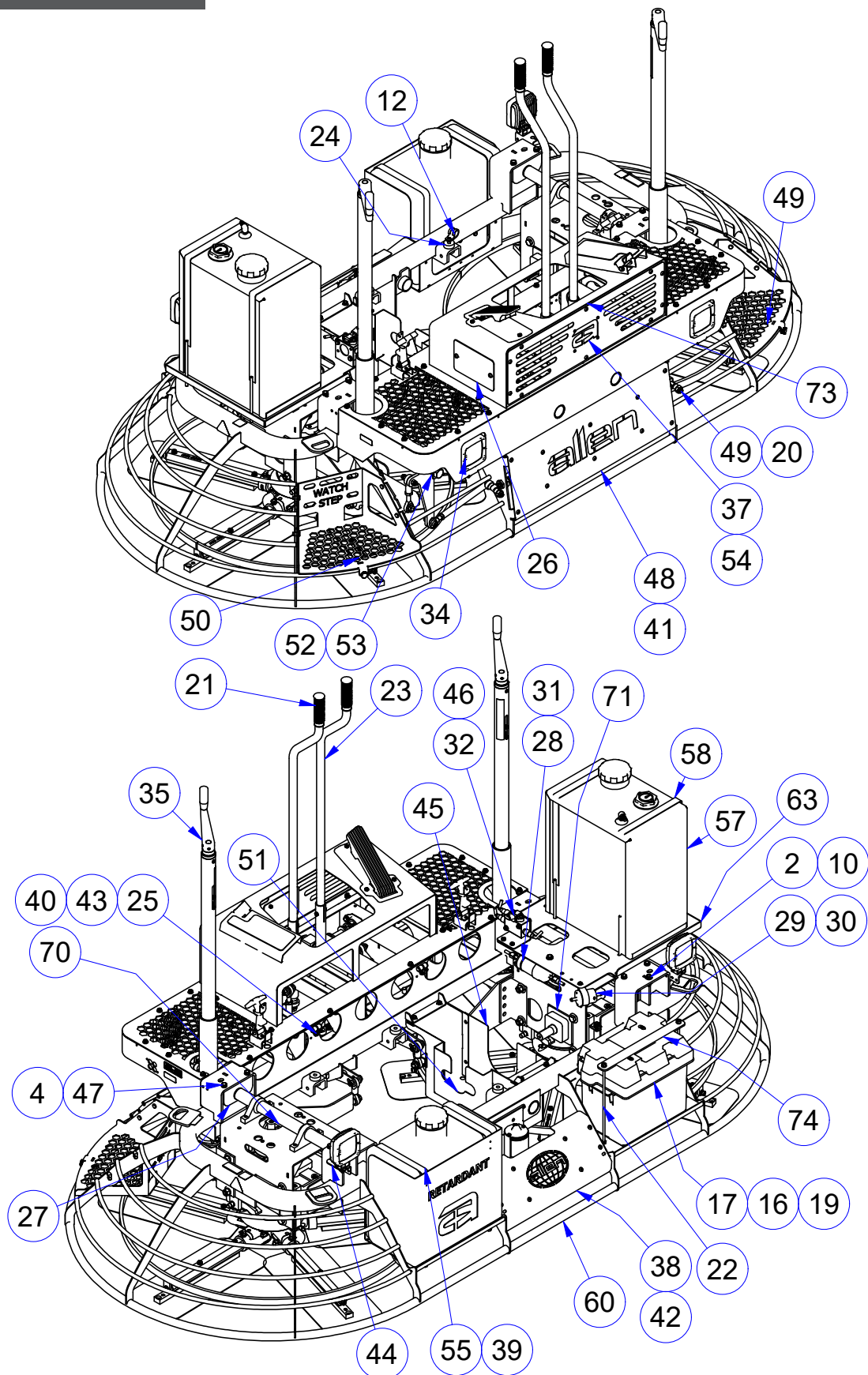
Seat Frame Assembly (074230) Parts List

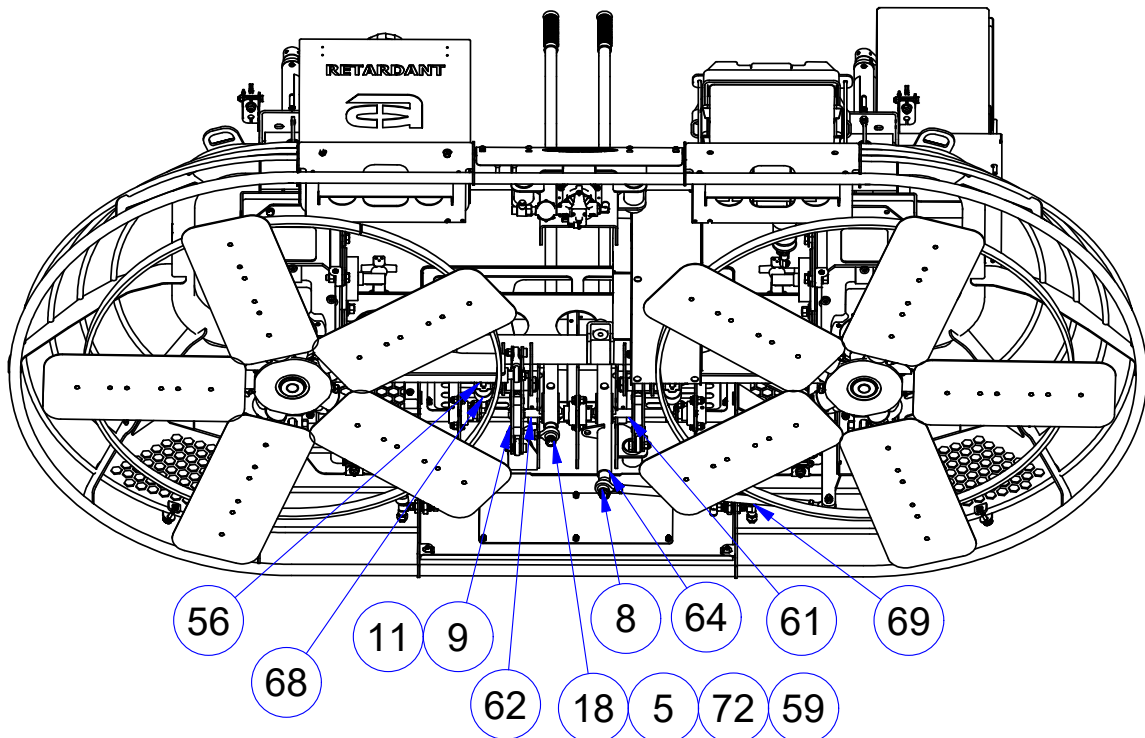
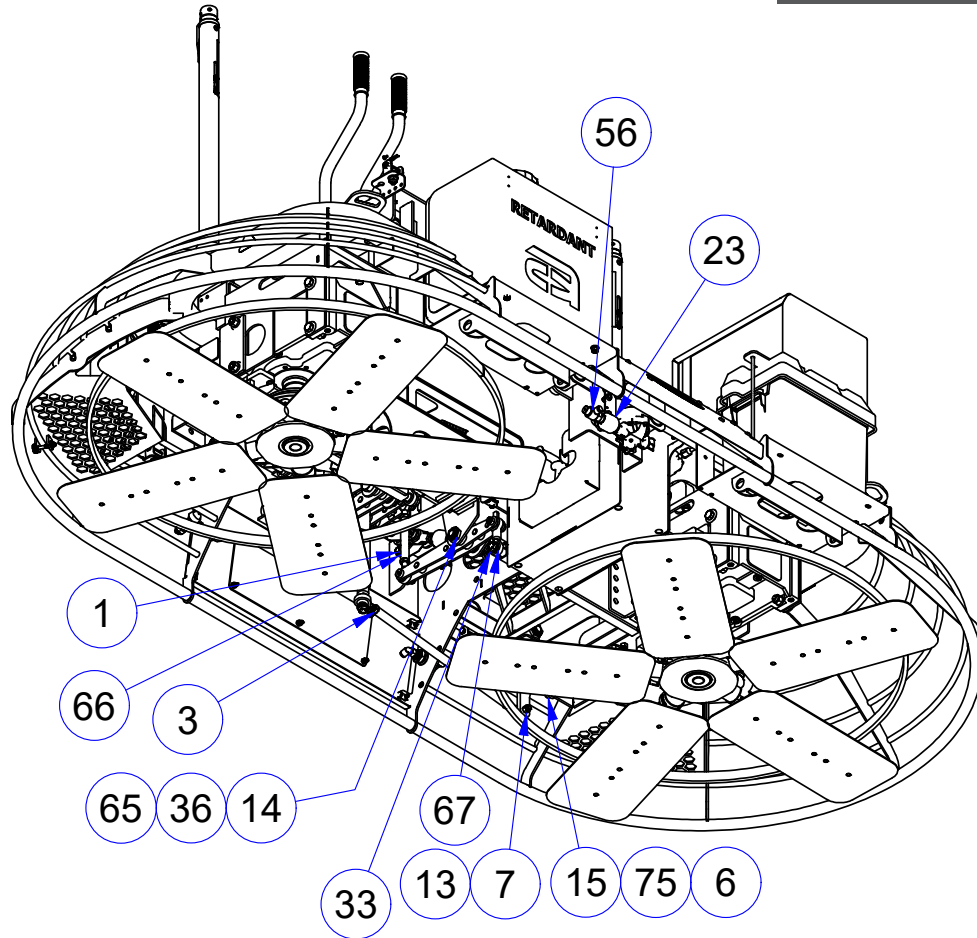
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	2
2	010002	FASTENER, HHCS 1/4-20 X 3/4	5
3	010081	FASTENER, FW 1/4	39
4	010082	FASTENER, FW 5/16	4
5	010089	FASTENER, LW 1/4	5
6	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
7	020542	FASTENER, HEX NUT STOVER LOCK 1/4-20	20
8	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	7
9	032125	SWITCH, ROCKER	1
10	047546	FASTENER, PAL NUT 1/4-20	22
11	047665	RUBBER BUMPER	3
12	049632	TOOL HOLDER BRACKET	1
13	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
14	050604	COVER, FOR TOGGLE SWITCH	1
15	053211	SEAT PROP	1
16	061374	SWITCH, FOR 069874 SEAT - NORMALLY OPEN	1
17	066255	MANUAL TUBE	1
18	068956	SWITCH, MOMENTARY	1
19	069428	FILTER, AIR, PRIMARY FOR WG1605	1
20	069429	FILTER, AIR, SAFETY ELEMENT FOR WG1605	1
21	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	39
22	069850	USB RECEPTACLE 12VDC	1
23	069874	SEAT, RIDER	1
24	071106	RUBBER, CELL HOLDER TRAY	1
25	*071123	RUBBER TRIM CUT 12 500" LONG FOR TOP SECTION OF CUP HOLDER (USE 071122)	1.05FT
26	*071124	RUBBER TRIM CUT 10.500" LONG FOR MIDDLE SECTION OF CUP HOLDER (USE 071122)	0.875FT
27	074231	WELDMENT, SEAT FRAME FOR MSP465	1
28	074240	ASSEMBLY, FRONT SCREEN FOR MSP465	1
29	074243	COVER, FOR FUSE PANEL	1
30	074244	COVER, COOLANT FILL	1
31	074245	WELDMENT, LH PANEL FOR SEAT FRAME MSP465	1
32	074251	WELDMENT, CUP HOLDER	1
33	074365	AIR CLEANER, WITH 90 DEGREE INLET	1
34	074366	BAND AIR CLEANER MOUNT FOR MSP465/475	1
35	074704	DISPLAY, PV25 2" ROUND	1
36	075225	WELDMENT, RH PANEL FOR SEAT FRAME MSP465	1
37	080028	FASTENER, NO-SLIP CLIP-ON BARREL NUT 1/4-20	2

*Order using PN 071122 with the correct QTY in FT.

Main Frame (075910) Assembly





SECTION 1 PARTS

Main Frame (075910) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8"-16 X 1"	13
2	010037	FASTENER, HHCS 3/8"-16 X 1-1/4"	1
3	010051	FASTENER, 1/2"-20 JAM HEX NUT	6
4	010091	FASTENER, LOCK WASHER 3/8"	8
5	010093	FASTENER, LOCK WASHER 1/2"	3
6	010107	FASTENER, 1/2"-20 HEX NUT	1
7	010464	FASTENER, 3/8"-16 NYLOCK NUT	26
8	011490	FASTENER, FLAT WASHER 1/2"	6
9	012981	FASTENER, 1/2"-20 STOVER NUT	1
10	017751	FASTENER, FLAT WASHER 3/8"	15
11	019900	ROD, 1/2 FEMALE END	2
12	020604	CLIP, INSULATED LOOP	1
13	026267	FASTENER, 3/8"-16 X Ø1/2" X 1" LG SHOULDER	10
14	026447	FASTENER, 3/4"-10 SELFLOCK HEX NUT	5
15	037140	FASTENER, HHCS 1/2"-20 X 1-1/2"	1
16	037771	BATTERY, 12V	1
17	046696	BATTERY BOX	1
18	046864	FASTENER, HHCS 1/2"-20 X 1-3/4"	5
19	047294	BATTERY PAD	2
20	047578	STRAINER, POLY 50 µ MESH	2
21	048354	GRIP FOR STEERING HANDLE	2
22	048589	ROD, BATTERY HOLD DOWN 1/4"-20	2
23	048896	JOYSTICK, STEERING	2
24	048901	MOUNT, 250LB MOTOR ISOLATOR	4
25	049316	FASTENER, 8-32 NYLOCK HEX NUT	8
26	060492	PLATE, SIDE COVER TOP DECK	1
27	064260	ASSEMBLY, BEARING BLOCK W/ BRONZE BEARING (068157)	4
28	067269	FUEL PUMP, WG1605 KUBOTA	1
29	067275	FUEL FILTER, WG1605 KUBOTA	1
30	067278	CLAMP, LOOP VIB. DAMPING 1-3/4" ID	1
31	067279	CLAMP, LOOP VIB. DAMPING 2" ID	1
32	069231	FUEL MANIFOLD, WG1605 KUBOTA	1
33	069772	FASTENER, SHOULDER BOLT 1/2" DIA X 1-7/8"	2
34	069835	LIGHT, LED 1200 LUMENS	4
35	070570	ASSEMBLY, PITCH CONTROL	2
36	070995	FASTENER, HHCS 3/4"-10 X 3-1/4"	3
37	071074	FRONT DECK COVER	1
38	071089	REAR CENTER COVER	1

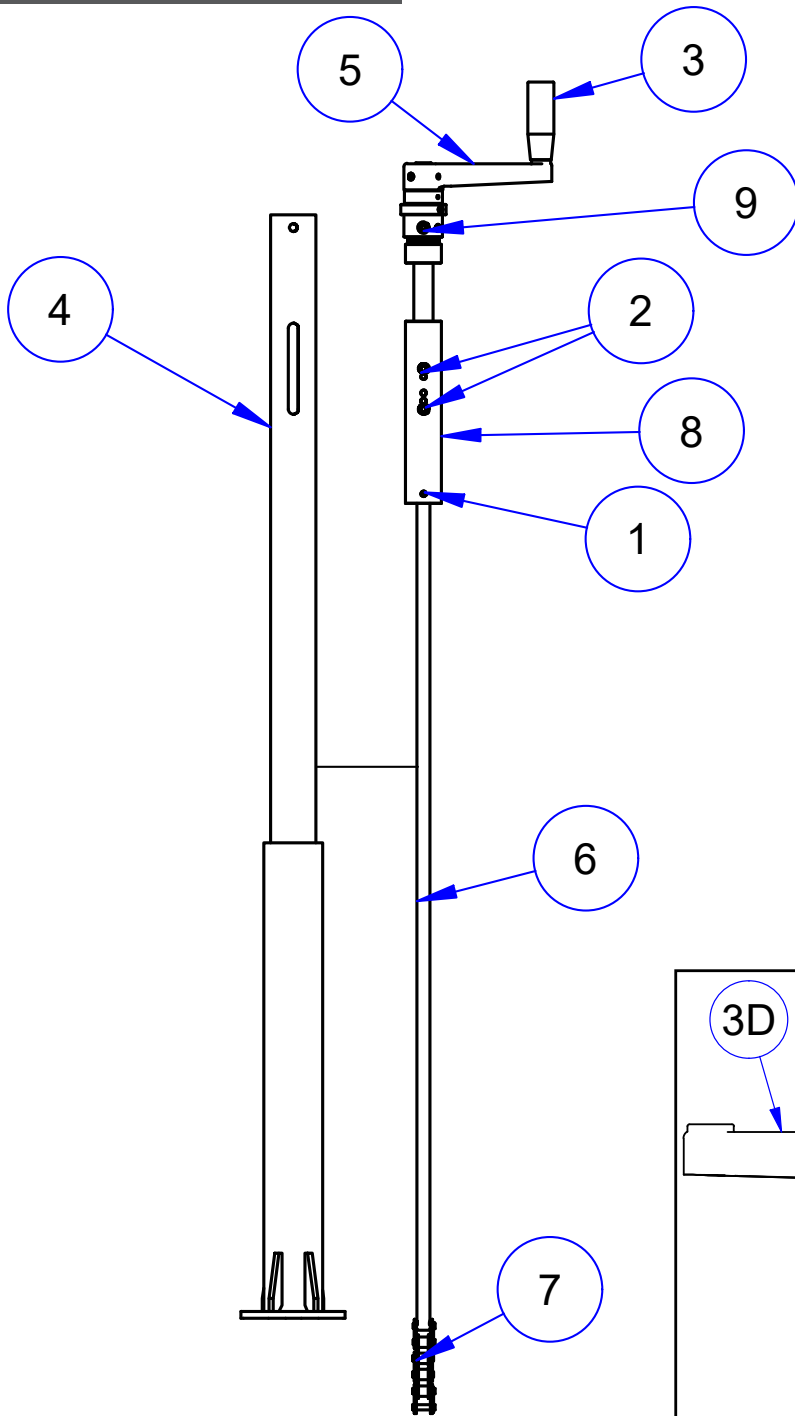
Main Frame (075910) Parts List Continued

SECTION 1 PARTS

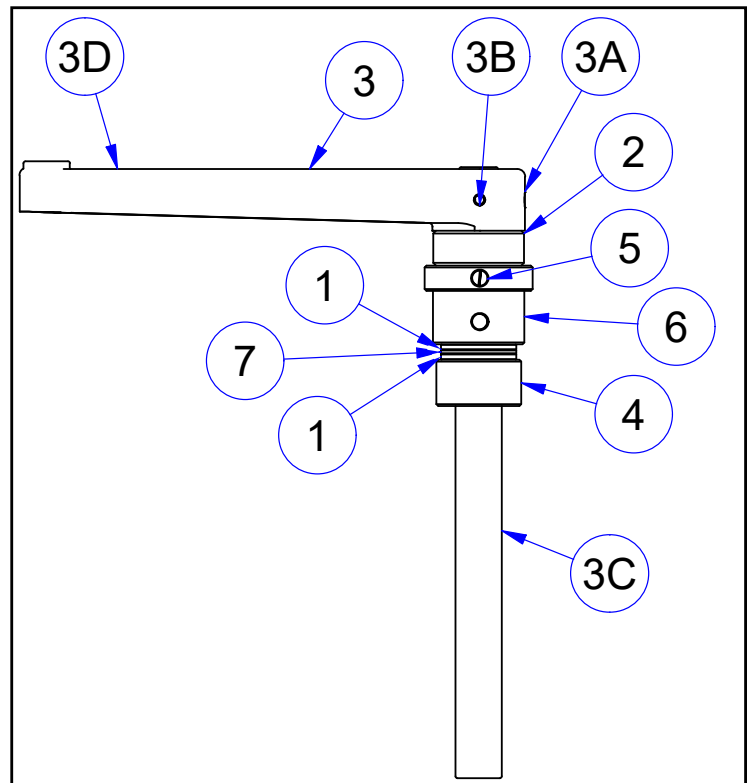
ITEM	PART NO.	DESCRIPTION	QTY
39	071536	TANK, WATER 7 GAL	1
40	071599	FITTING, ONE TOUCH TEE 3/8" HOSE CONNECTION	2
41	072739	PLATE, BACKER F/ FRONT	1
42	072856	PLATE, BACKER F/ REAR CENTER	1
43	073283	FASTENER, HSCS 8-32 X 1" LONG	4
44	073392	BRACKET, REAR F/ LIGHT	2
45	073402	COVER, OUTER FOR BOTTOM CLUTCH	1
46	074017	BRACKET, FUEL MANIFOLD F/ KUBOTA WG1605	1
47	074068	FASTENER, HHHCS 3/8"-16 X 1"	8
48	074206	PLATE, FRONT CENTER COVER	1
49	074211	WELDMENT, LEFT HAND STEP	1
50	074214	WELDMENT, RIGHT HAND STEP	1
51	074225	WELDMENT, BELT GUARD	1
52	074331	FLANGED BEARING, 3/4" I.D X 7/8" OD OIL-EMBEDDED 3/4" LONG	2
53	074534	FULCRUM, LEFT TO RIGHT	1
54	074535	PLATE, BACKING SMALL RED	1
55	075422	GUARD, FOR 7 GAL TANK RETARDANT	1
56	075528	SPACER FOR STEERING LINKAGE WELDMENT	4
57	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
58	075649	WELDEMENT, HOLD DOWN STRAP FOR FUEL TANK	2
59	075906	WELDMENT, LH STEERING LINKAGE TUBE	1
60	075920	WELDMENT, MAIN FRAME	1
61	075924	SUB-ASSEMBLY, STEERING LINKAGE RH	1
62	075925	SUB-ASSEMBLY, STEERING LINKAGE LH	1
63	075936	TRAY, F/ 10 GAL TANK MOUNT	1
64	075982	WELDMENT, RH STEERING JOYSTICK MOUNT	1
65	075985	SUB-ASSEMBLY, LOWER CONTROL ARM	2
66	075988	LOWER CONTROL ARM LINKAGE TUBE	2
67	075989	LOWER CONTROL ARM HEIM JOINT LINKAGE	2
68	075994	ASSEMBLY, ASSISTED STEER LINKAGE	2
69	076016	SHAFT, 16-3/4" STEERING LINKAGE	1
70	076020	ASSEMBLY, LH ROTOR	1
71	076021	ASSEMBLY, RH ROTOR	1
72	076166	BALL JOINT, 1/2" SUPER SWIVEL	2
73	077595	ASSEMBLY, FRONT DECK FOR MSP445 WITH BRIGGS	1
74	079455	BATTERY HOLD DOWN BAR	1
75	221408	ROD, END MALE 1/2"	7

SECTION 1 PARTS

Pitch Control (070570 - OLD) Assembly



ITEM 5 (061529) DETAILS



Pitch Control (070570 - OLD) Parts List

SECTION 1 PARTS

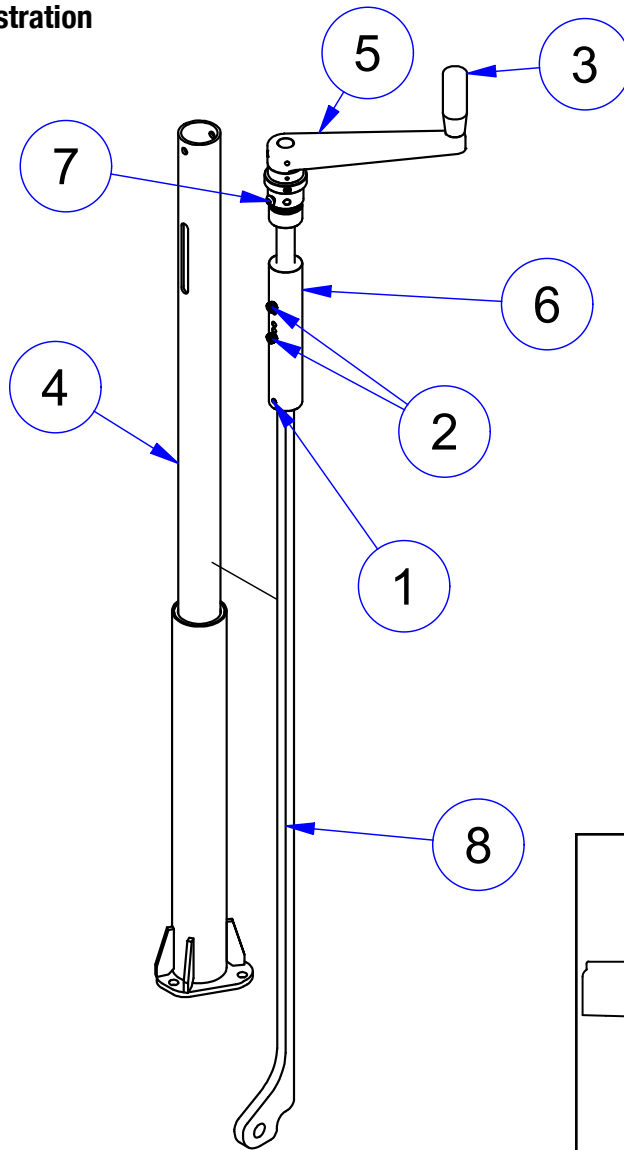
ITEM	PART #	DESCRIPTION	QTY
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061529	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT	1
6	070571	ROD FOR PITCH CONTROL ASSEMBLY	1
7	070752	CHAIN	1
8	075902	BUSHING, SLIDE	1
9	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8" W/ THREAD LOCKING (OLD PART 015410)	2

ITEM	PART #	DESCRIPTION	QTY
1	012710	RACE F/ THRUST BEARING	2
2	015742	BEARING, THRUST	1
3	026541	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT	1
3A	013374	FASTENER, SET SCREW 1/4"-28 X 1/4"	1
3B	018289	SPRING ROLL 3/16" X 1-1/4"	1
3C	029997	SHAFT, SCREW ADJUSTMENT F/ PITCH CONTROL	1
3D	037693	HANDLE F/ PITCH CONTROL	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

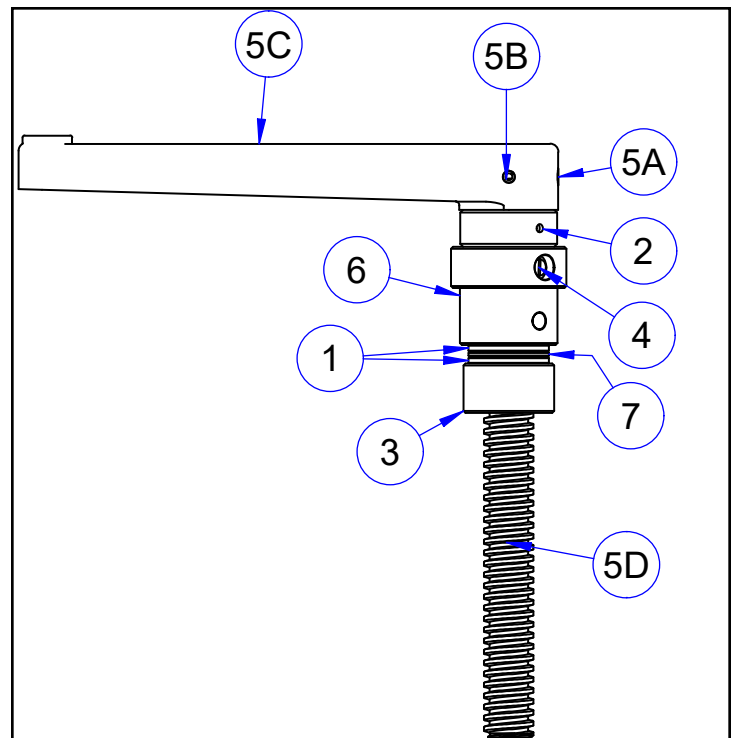
SECTION 1 PARTS

Pitch Control (070570 - Current) Assembly

070570 Illustration



Item 4 (037801) Illustration



Note: If replaced, ensure the 015742 (Item 2) bearing has grease before normal use.

Pitch Control (070570 - Current) Parts List

SECTION 1 PARTS

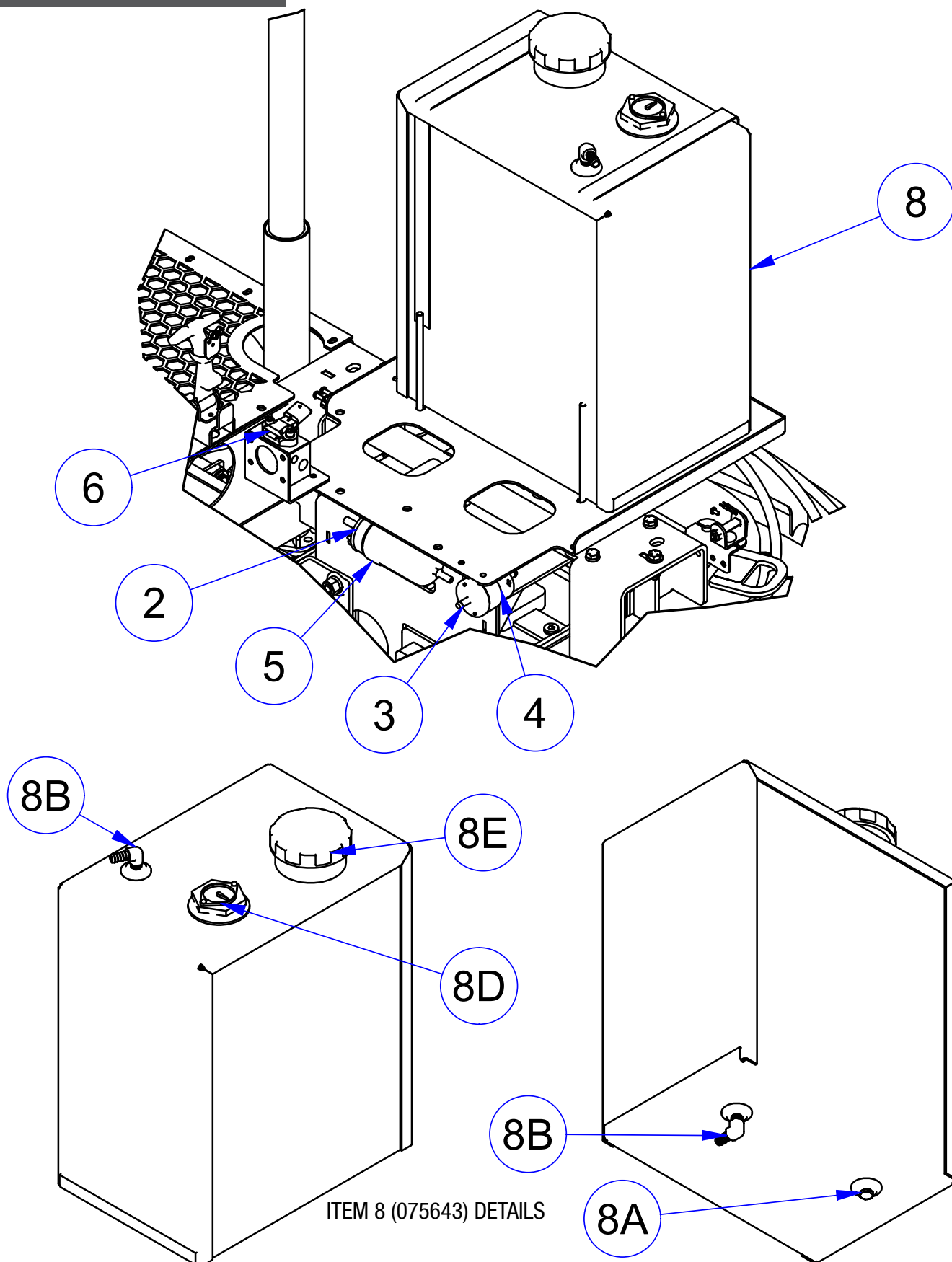
ITEM	PART #	DESCRIPTION	QTY
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	037801	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT (3/16" BALL PLUNGER)	
5	038176	WELDMENT, PITCH CONTROL TUBE	1
6	075902	BUSHING, SLIDE	1
7	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8" W/ THREAD LOCKING (OLD PART 015410)	2
8	080552	PITCH TUBE ROD	1

Note: Revision J changed 061529 crank handle assembly to 037801.

ITEM	PART NO.	DESCRIPTION	QTY
1	012710	RACE F/ THRUST BEARING	2
2	015742	BEARING, THRUST W/ LUB HOLE	1
3	032191	STOP F/ PITCH CONTROL HANDLE	1
4	040143	BALL NOSE SPRING PLUNGER, 3/8"-16	2
5	040144	ASSEMBLY, HANDLE CRANK SCREW SHAFT (3/16 BALL PLUNGER)	1
5A	013374	FASTENER, SET SCREW 1/4"-28 X 1/4"	1
5B	018239	SPRING ROLL PIN, 3/16" X 1-1/4"	1
5C	037693	HANDLE, F/ PITCH CONTROL	1
5D	040145	SHAFT, SCREW ADJUSTMENT F/ PITCH CONTROL	1
6	040146	BUSHING, FOR PICH CONTROL	1
7	100340	BEARING, THRUST	1

SECTION 1 PARTS

Fuel System Assembly



Fuel System Parts List

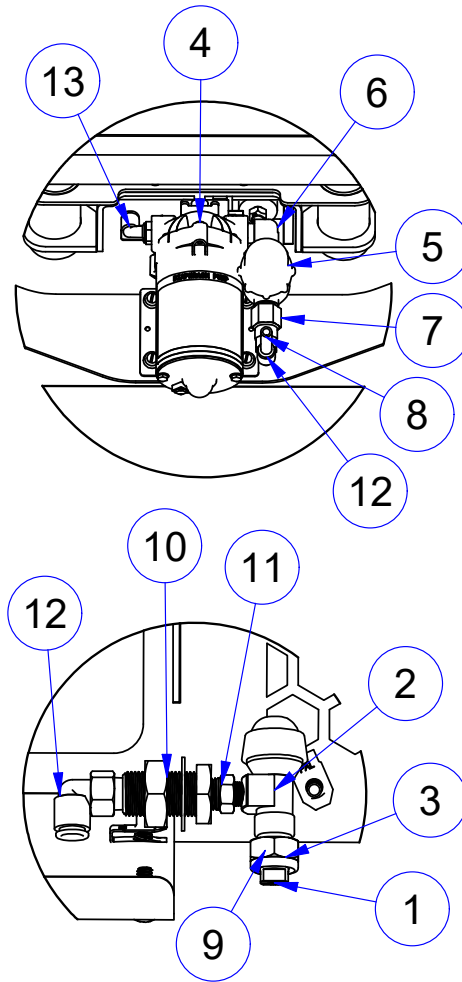
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	065990	(NOT SHOWN) HOSE, FUEL LINE 7/16" ID, INJECTION	13FT
2	067269	FUEL PUMP, WG1605 KUBOTA	1
3	067275	FUEL FILTER, KUBOTA WG1605	1
4	067278	CLAMP, LOOP VIB. DAMPING 1-3/4" ID	1
5	067279	CLAMP, LOOP VIB. DAMPING 2" ID	1
6	069231	FUEL MANIFOLD, WG1605 KUBOTA	1
7	069399	(NOT SHOWN) FEMALE FUEL CONNECTOR	4
8	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
8A	035564	PLUG, 1/4" HOLLOW PIPE HEX	1
8B	064876	FITTING, 90 DEG ELBOW 3/8" HOSE BARB	2
8C	075644	WELDMENT, 10 GALLON FUEL TANK	1
8D	075652	GAUGE 18" TALL F/ FUEL TANK	1
8E	077886	CAP, BLACK 3-1/2" WITH TETHER	1

SECTION 1 PARTS

Spray System Assembly

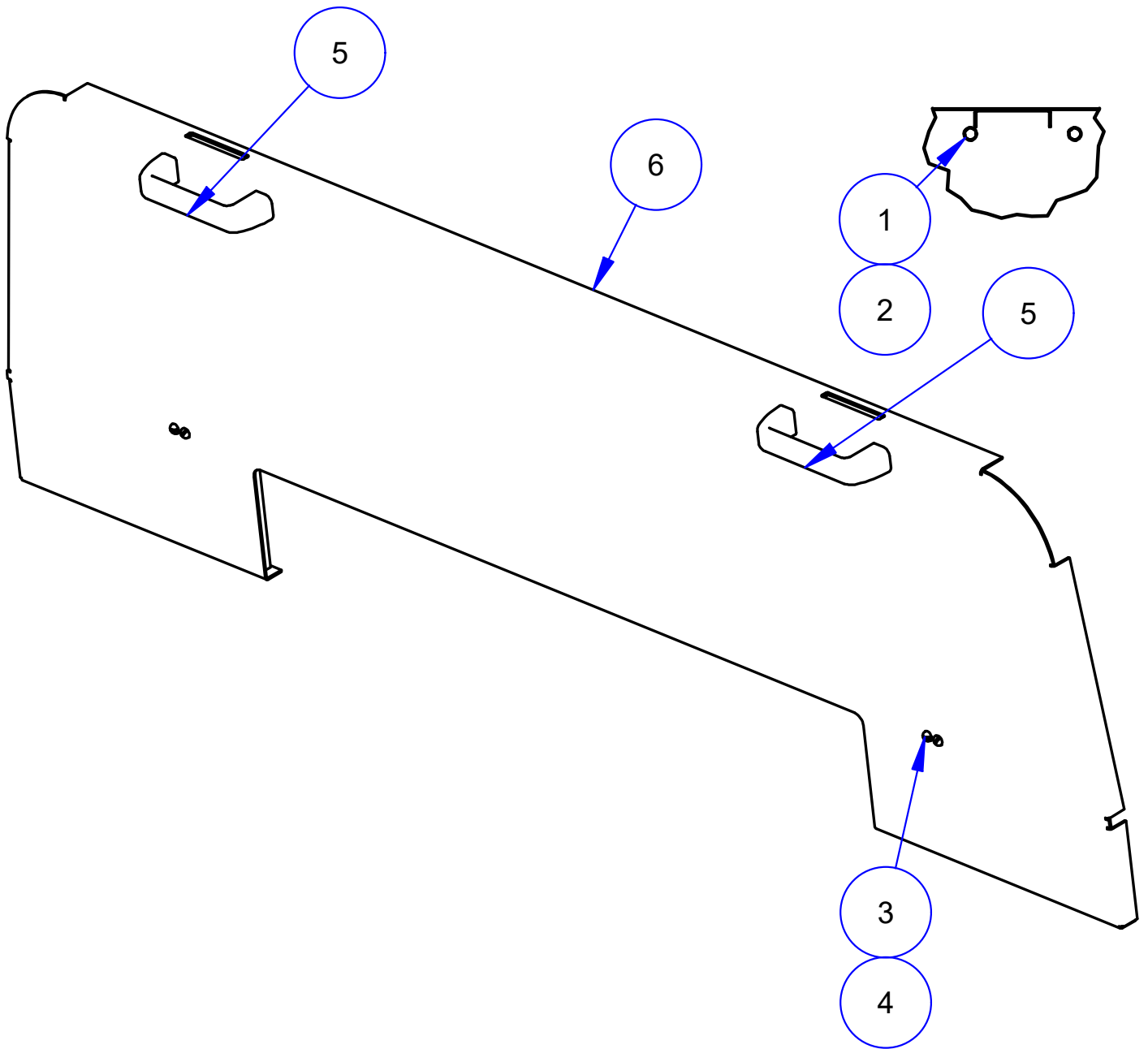
Note: illustration for reference only



ITEM	PART NO.	DESCRIPTION	QTY
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	040387	FITTING, ELBOW BASS 3/8" NPT	1
7	040388	FITTING, 3/8" X 1/4" REDUCER FEM X FEM	1
8	048246	HOSE, 3/8 X 1/4 ID WATER LINE	12FT
9	065244	FILTER, 50 MESH	2
10	071016	FITTING, BULK HEAD 1/4" NPT	2
11	071017	FITTING, REDUCING HEX NIPPLE 1/4"-1/8" NPT	2
12	071596	FITTING, ONE TOUCH ELBOW 1/4" NPT TO 3/8" FEMALE	3
13	078110	FITTING, ONE TOUCH ELBOW 3/8" NPT MALE TO 3/8"	1

Front Screen (074240) Assembly

SECTION 1 PARTS

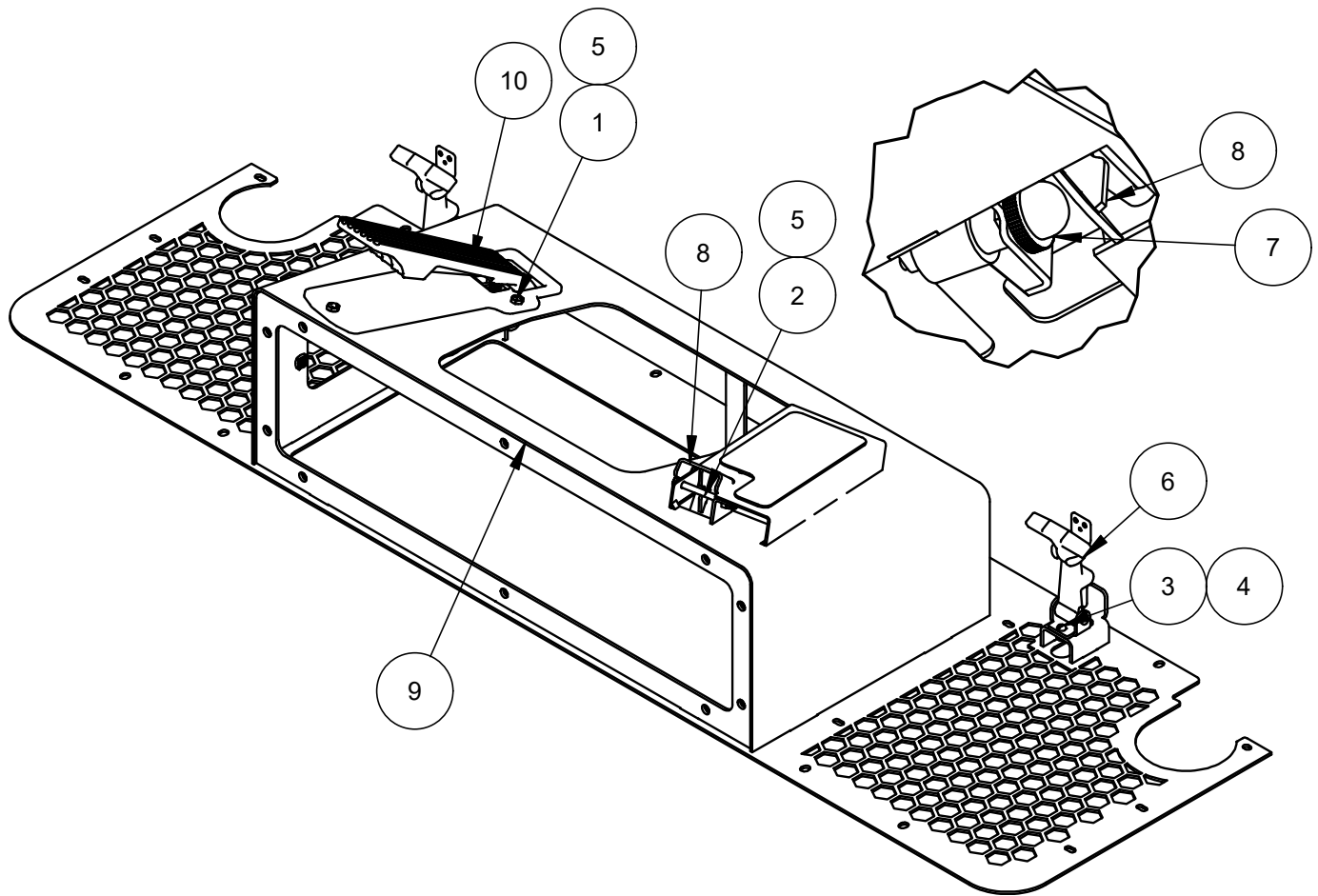


ITEM	PART #	DESCRIPTION	QTY
1	010018	FASTENER, HHCS 5/16 -18 X 1/2	4
2	010090	FASTENER, LW 5/16	4
3	010568	FASTENER, SCREW 10-32 X 1/2	4
4	029568	FASTENER, HEX NUT 10-32 NYLOCK	4
5	048678	HANDLE, LOAD RATED NYLON	2
6	074241	WELDMNT, FRONT SCREEN FOR MSP465	1

SECTION 1 PARTS

Front Deck (077595) OLD Assembly

Note: Use this illustration for machines built 2021 to early 2026. Features foot pedal spray control, in 2026 spray control was changed to the LH joystick.



Front Deck (077595) OLD Assembly Parts List

SECTION 1 PARTS

Note: Use this illustration for machines built 2021 to early 2026. Features foot pedal spray control, in 2026 spray control was changed to the LH joystick.

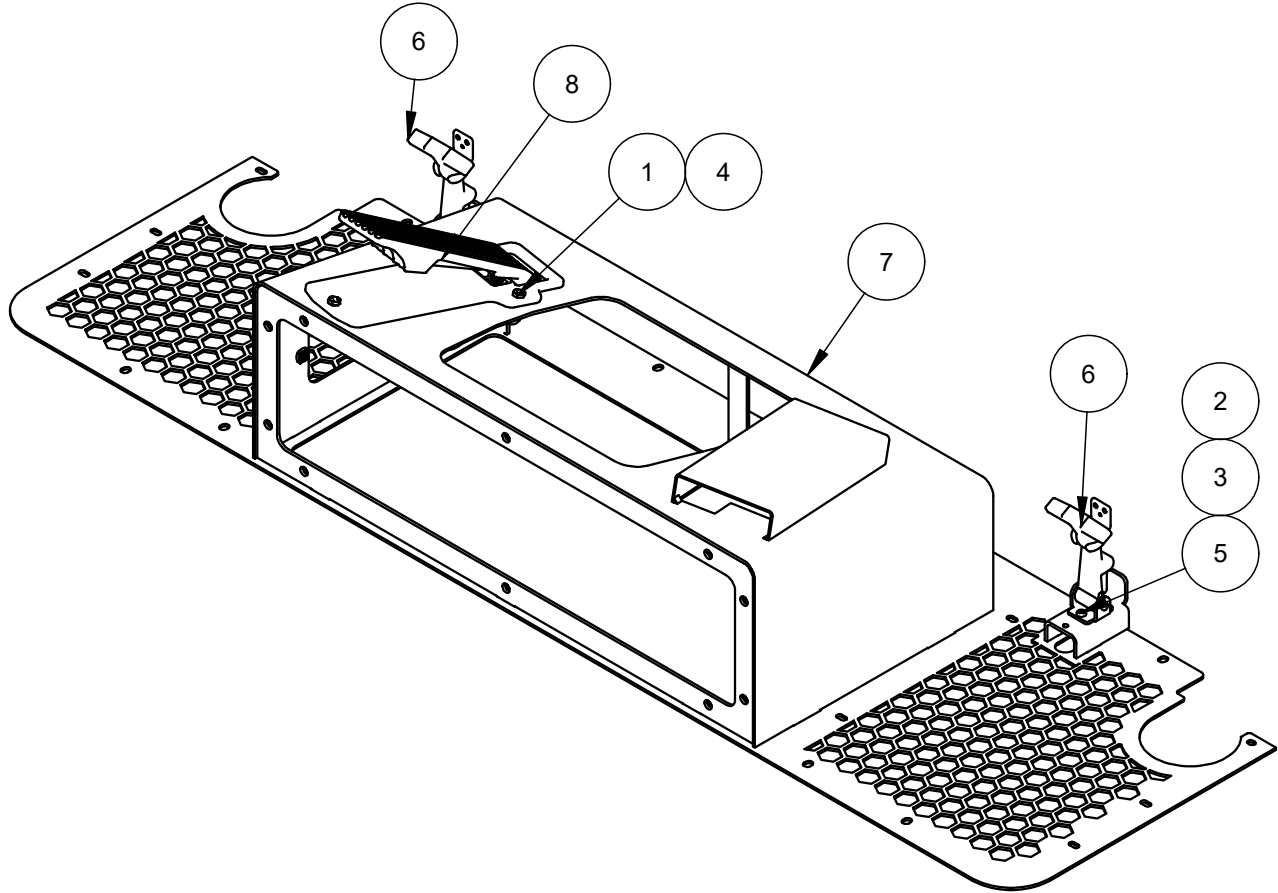
ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	3
2	010009	FASTENER, HHCS 1/4-20 X 2 1/2	1
3	010568	FASTENER, SCREW 10-32 X 1/2	4
4	029568	FASTENER, HEX NUT 10-32 NYLOCK	4
5	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	4
6	042260	LATCH, T-HANDLE EXTRA-LARGE DRAW	2
7	068956	SWITCH, MOMENTARY	1
8	076300	WELDMENT, PEDAL WATER SWITCH FOR RIDERS	1
9	077594	WELDMENT, UPPER DECK	1
10	*082150	PEDAL ELECTRONIC, FLOOR MOUNT WITH HALL EFFECT SWITCH	1

*Note: Reference revision H, foot pedal changed from 063341 to 082150

SECTION 1 PARTS

Front Deck (077595) Assembly

Note: Use this illustration for machines built 2021 to early 2026. Features foot pedal spray control, in 2026 spray control was changed to the LH joystick.

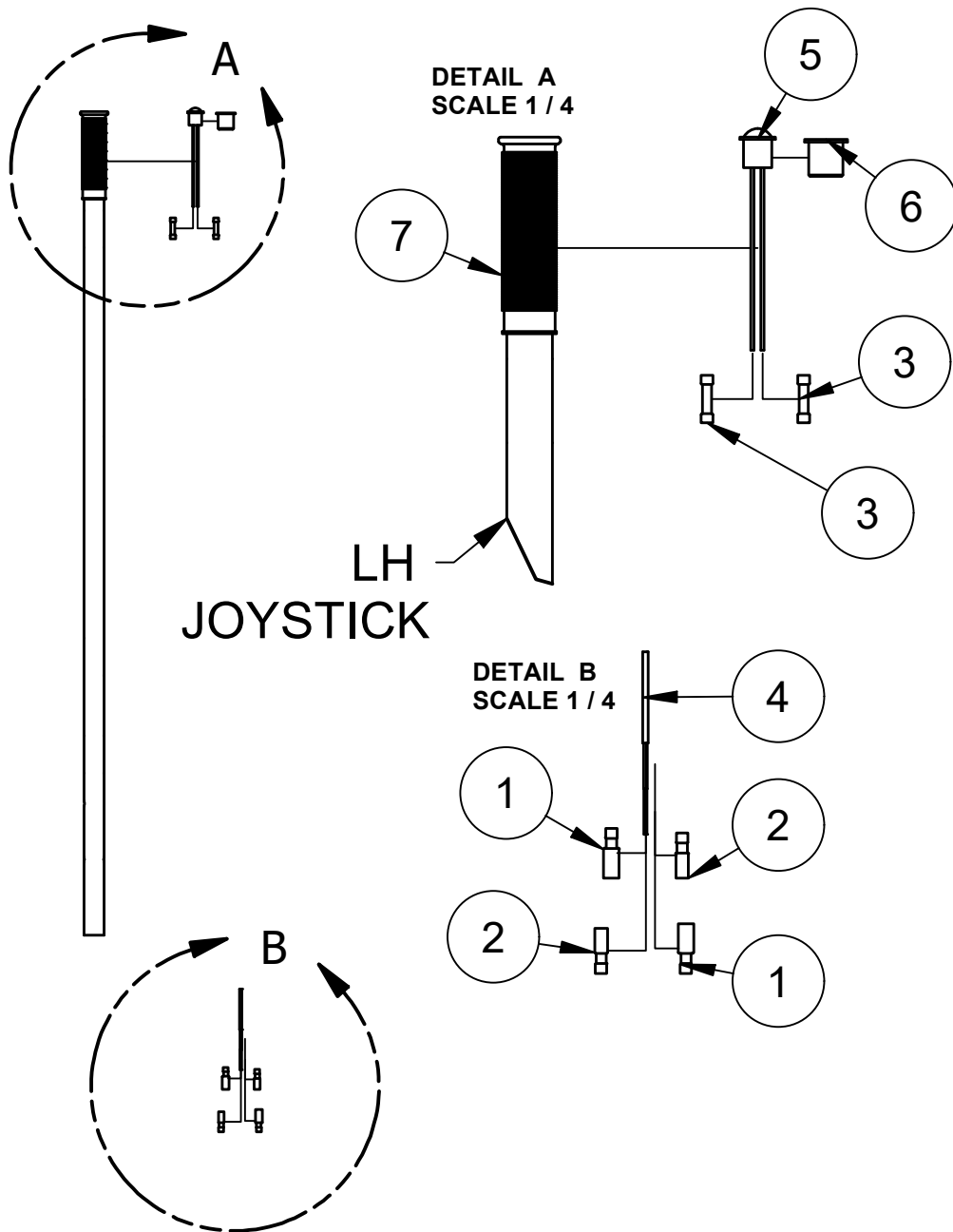


ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	3
2	018072	FASTENER, FW #10	4
3	029568	FASTENER, HEX NUT 10-32 NYLOCK	4
4	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	3
5	032979	FASTENER, RHMS 10-32 X 3/4	4
6	042260	LATCH, T-HANDLE EXTRA-LARGE DRAW	2
7	077594	WELDMENT, UPPER DECK FOR MSP445/465	1
8	082150	PEDAL ELECTRONIC, FLOOR MOUNT WITH RESISTIVE SWITCH MSP465/475	1

*Note: Reference revision H, foot pedal changed from 063341 to 082150

Spray System, Joystick (081930) Assembly Parts List

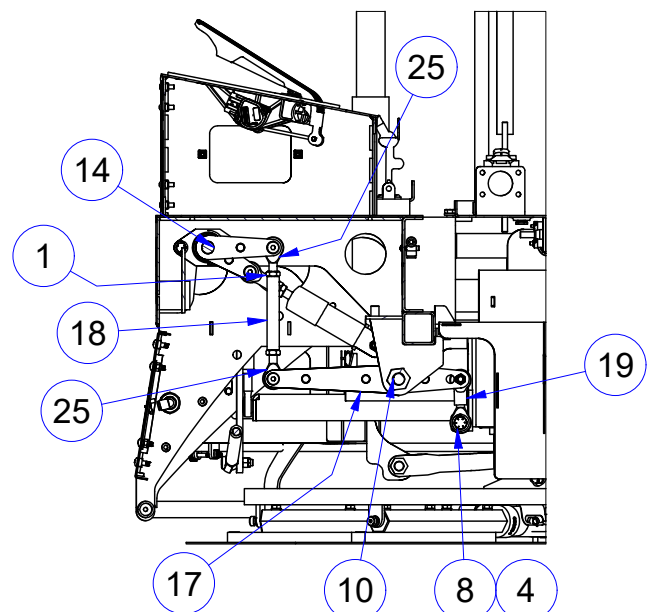
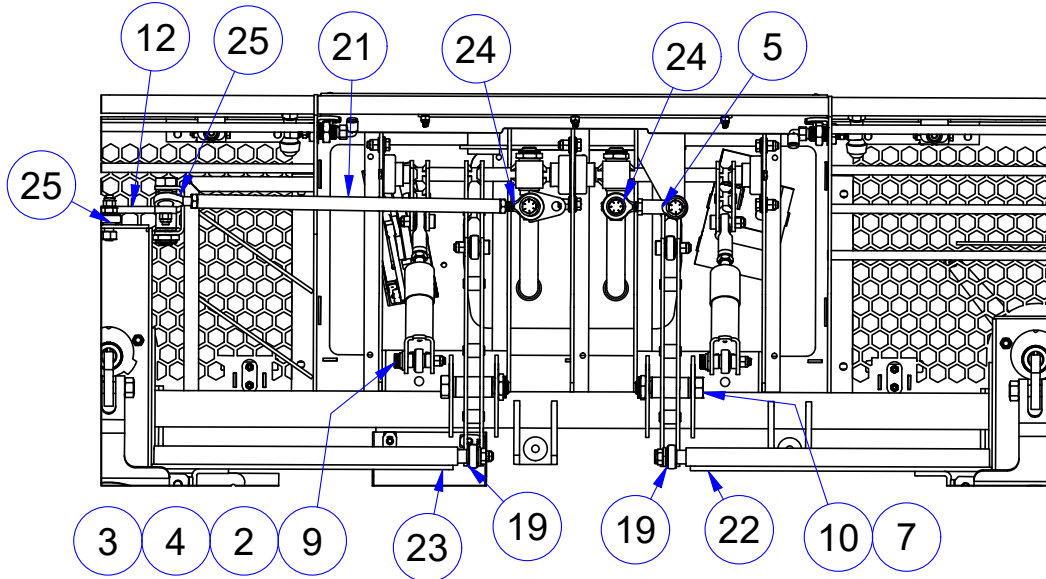
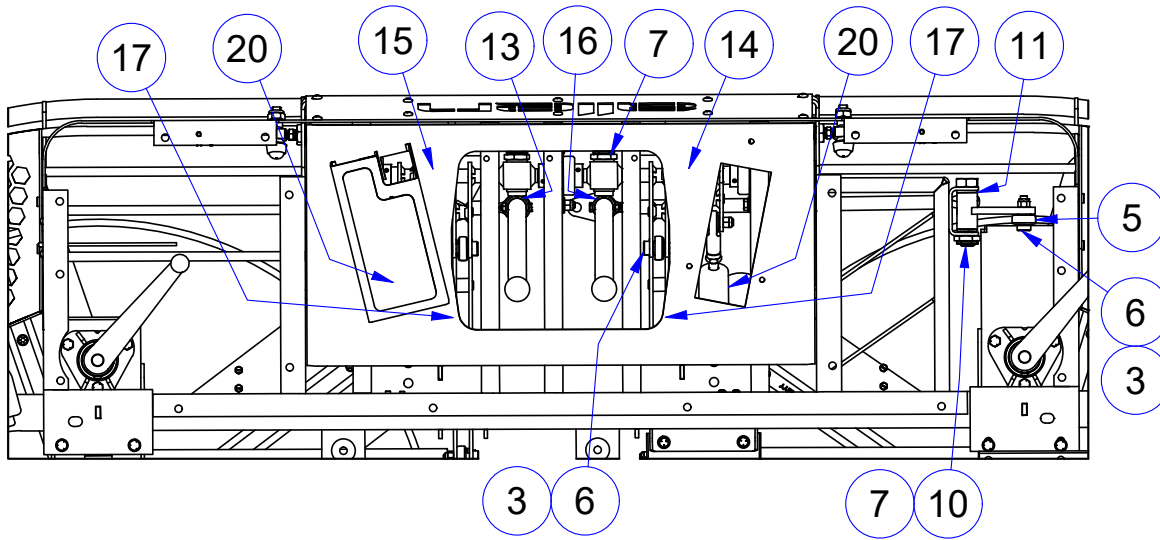
SECTION 1 PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	032265	CONNECTOR, BULLET MALE 16-14 AWG	2
2	032266	CONNECTOR, BULLET FEMALE 16-14 AWG	2
3	037258	CONNECTOR, BUTT 16-14 AWG BLUE INSUL	2
4	037481	WIRE, 18 AWG 2 CONDUCTOR UNSHLD	6FT
5	048909	SWITCH, PUSH BUTTON	1
6	048910	BEARING, Ø5/8 NYLON FLANGED SLEEVE	1
7	049245	GRIP, MODIFIED HANDLE	1

SECTION 1 PARTS

Steering System Assembly



Steering System Parts List

SECTION 1 PARTS

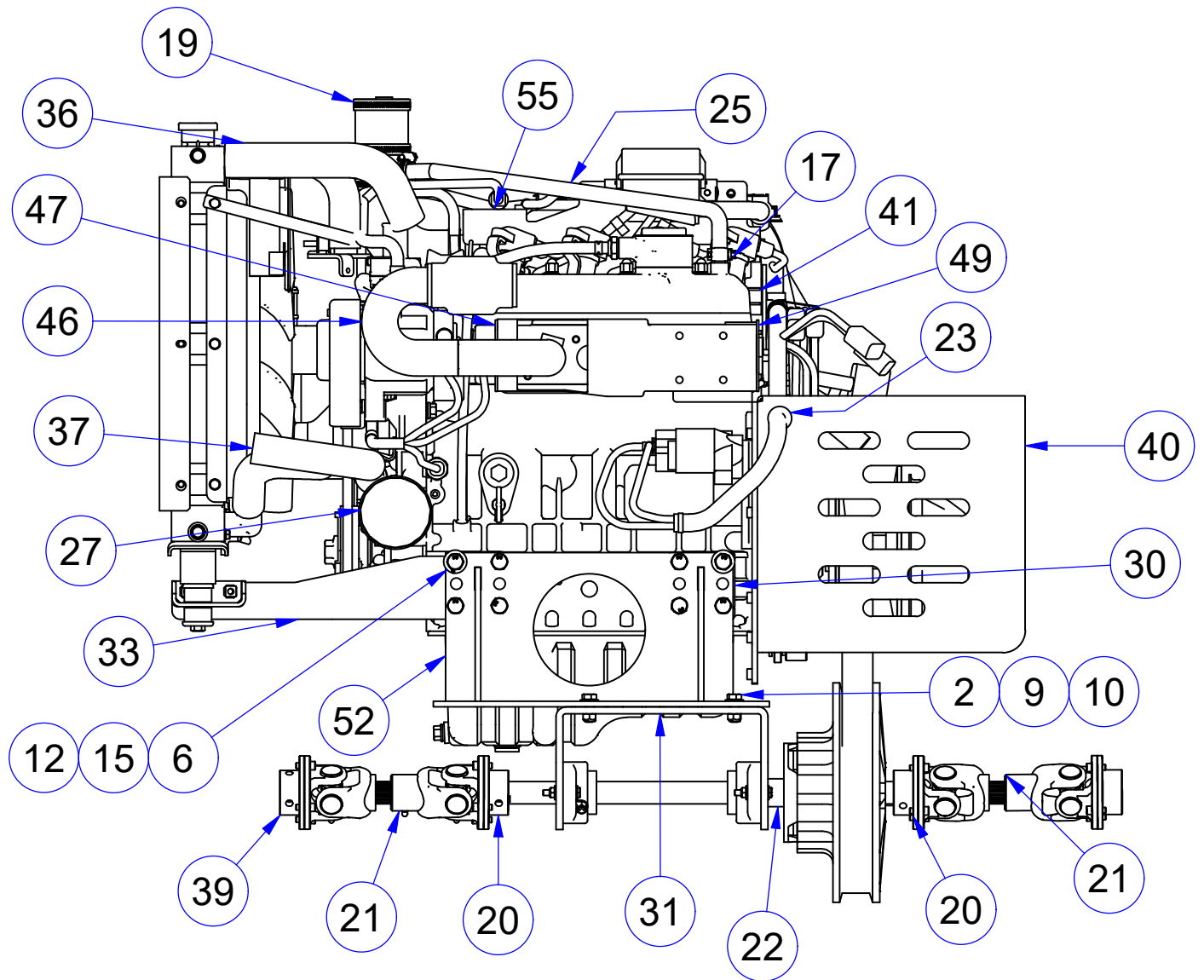
ITEM	PART #	DESCRIPTION	QTY
1	010051	FASTENER, JAM HEX NUT 1/2"-20	6
2	010093	FASTENER, LOCK WASHER 1/2"	3
3	010464	FASTENER, HEX NUT NYLOCK 3/8"-16	25
4	011490	FASTENER, FLAT WASHER	6
5	019900	ROD END, FEMALE 1/2"	2
6	026267	FASTENER, SHOULDER BOLT DIA. 1/2" X 1", 3/8"-16	10
7	026447	FASTENER, HEX NUT NYLOCK 3/4"-10	5
8	046864	FASTENER, HHCS 1/2"-20 X 1-3/4"	5
9	069772	FASTENER, SHOULDER 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	1
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

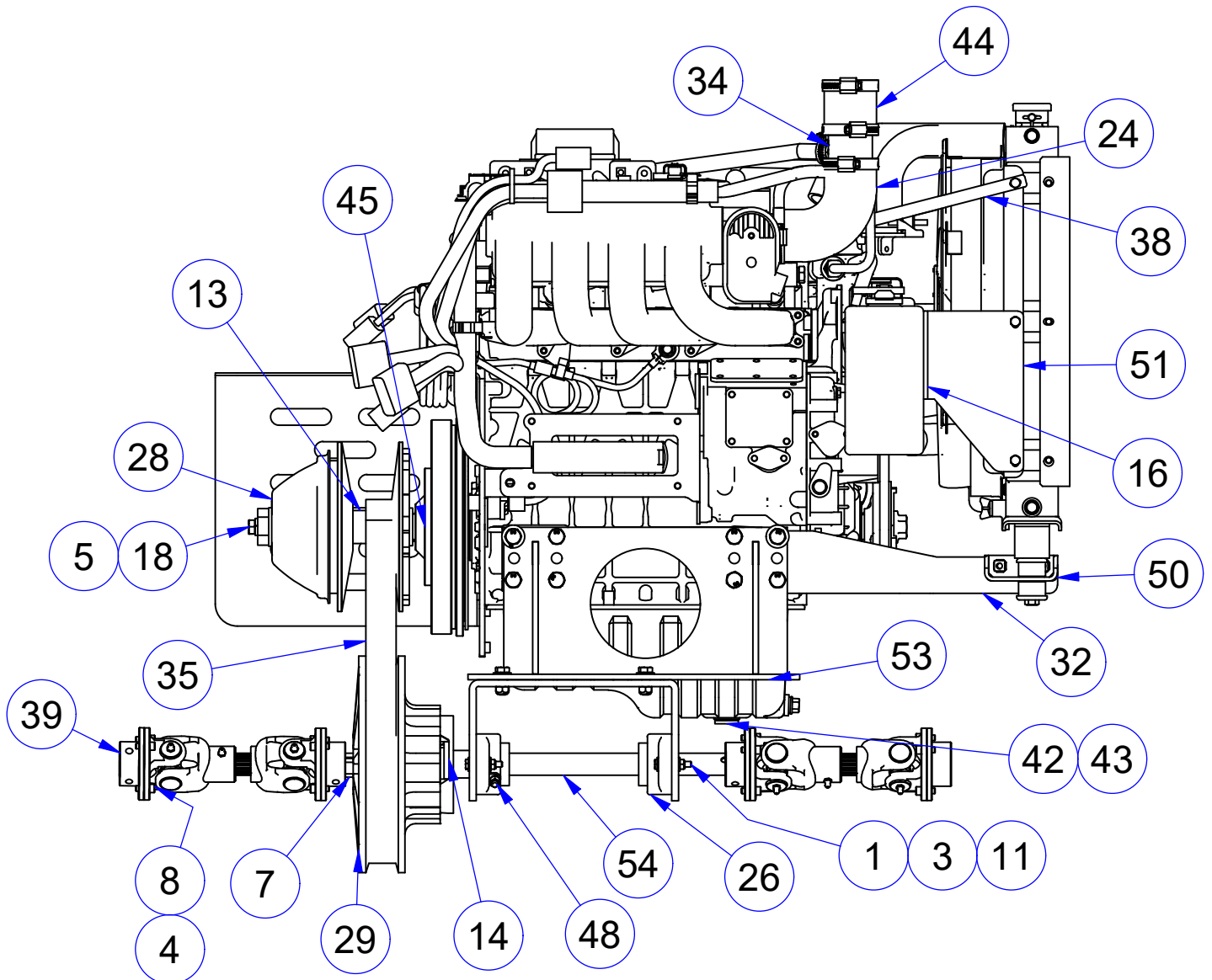
Note: QTYs are for the entire mainframe assembly.

SECTION 1

PARTS

Power Unit Assembly (074180)





SECTION 1 PARTS

Power Unit Assembly (074180) Parts List

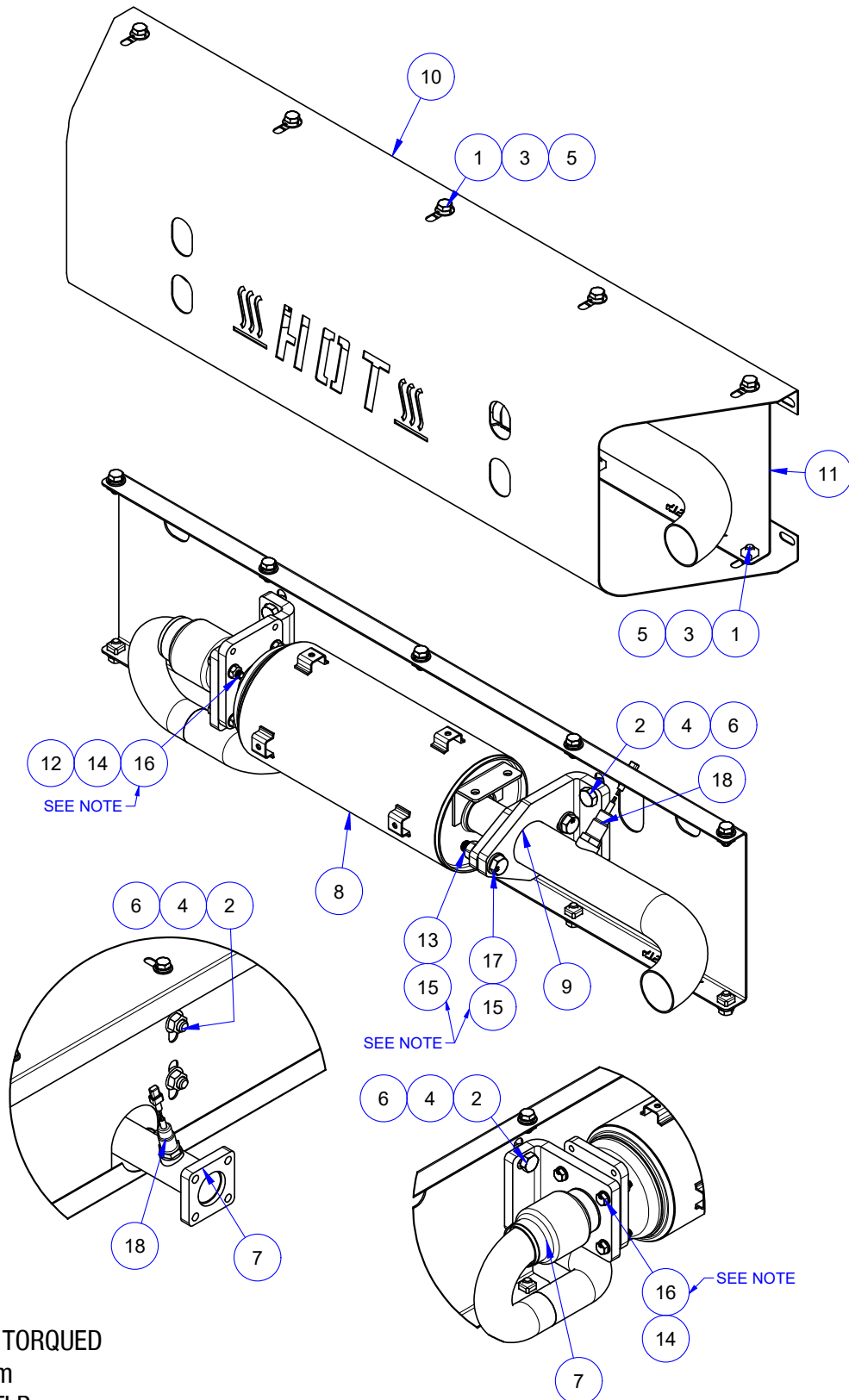
ITEM	PART NO.	DESCRIPTION	QTY
1	010005	FASTENER, HHCS 1/4"-20 X 1-1/2"	4
2	010036	FASTENER, HHCS 3/8"-16 X 1"	4
3	010081	FASTENER, FLAT WASHER 1/4"	8
4	010089	FASTENER, LOCK WASHER 1/4"	16
5	010092	FASTENER, LOCK WASHER 7/16"	1
6	011490	FASTENER, FLAT WASHER 1/2"	4
7	011791	KEY, 1/4" SQ X 1"	2
8	017314	FASTENER, SHCS 1/4"-20 X 5/8"	16
9	017751	FASTENER, FLAT WASHER 3/8"	4
10	020514	FASTENER, STOVER LOCK NUT 3/8"-16	4
11	020542	FASTENER, STOVER LOCK NUT 1/4"-20	4
12	021072	FASTENER, LOCK WASHER 10MM	16
13	024957	KEY, 1/4" SQ X 1-1/2"	1
14	026992	KEY, 1/4" SQ X 3-1/8"	1
15	037778	FASTENER, SCR, 10MMx1.25x30MM HHC	16
16	037791	OVERFLOW TANK, COOLANT	1
17	038664	#10 HOSE CLAMP	2
18	042280	FASTENER, SCR 7/16"-20 X 4-1/2" HHC	1
19	043920	(REPLACEMENT) FILTER, FUEL, KUBOTA WG1605	1
19	044831	HOSE CLAMP, 1-13/16" - 2-3/4"	4
20	047635	HUB, U-JOINT CENTER SHAFT, Ø1" BORE	2
21	047637	ASSEMBLY, U-JOINT TELESOPING	2
22	048908	SPACER, 1-1/8" LONG	1
23	048959	GROMMET, 1/2"	1
24	049581	ELBOW, 2" ID 90° RUBBER	1
25	055642	FUEL LINE, 7/16" LOW PERM	2FT
26	064254	BEARING, FLANGE, 1"	2
27	064828	(REPLACEMENT) FILTER, OIL, KUBOTA WG1605	1
28	065967	CLUTCH, DRIVER	1
29	066107	PULLEY, DRIVEN	1
30	066118	SPACER PLATE	2
31	066678	BEARING SUPPORT	1
32	067246	BRACKET, RADIATOR MOUNT RH	1

Power Unit Assembly (074180) Parts List Continued**SECTION 1
PARTS**

ITEM	PART NO.	DESCRIPTION	QTY
33	067247	BRACKET, RADIATOR MOUNT LH	1
34	067367	INTAKE HOSE CONNECTOR	1
35	067506	BELT, FOR CVT	1
36	067985	HOSE, TOP RADIATOR	1
37	067991	HOSE, MODIFIED BOTTOM RADIATOR	1
38	068317	BRACKET, RADIATOR SUPPORT	2
39	068500	HUB, U-JOINT Ø24 MM BORE	2
40	069299	GUARD, FOR CLUTCH	1
41	069399	FEMALE FUEL CONNECTOR	3
43	069428	(REPLACEMENT) FILTER, AIR, PRIMARY, KUBOTA WG1605	1
44	069429	(REPLACEMENT) FILTER, AIR, SAFETY, KUBOTA WG1605	1
42	069654	OIL DRAIN PLUG, M22X1.5	1
43	069655	GASKET F/ OIL DRAIN PLUG	1
44	069730	SLEEVE, SILICONE, 2" I.D. X 2 1/2" LONG	1
48	070607	(NOT SHOWN) CONNECTOR, FUEL TINE 5/16"	4
45	071370	STUB SHAFT, TO CLUTCH	1
46	071379	EXHAUST WRAP 2" WIDE	1
47	071538	HEAT SHIELD	1
48	073817	FITTING, STRAIGHT PUSH-IN FOR 4MM TUBING 1/8 NPT	2
49	073818	RH HEAT SHIELD	1
50	074178	BRACKET, RADIATOR SUPPORT	2
51	074181	BRACKET, FOR COOLANT RECOVERY BOTTLE	1
52	075217	WELDMENT, ENGINE MOUNT, REAR	1
53	075218	WELDMENT, ENGINE MOUNT, FRONT	1
54	075219	DRIVE SHAFT	1
55	076294	ENGINE, WG1605	1

SECTION 1 PARTS

Exhaust Assembly (077701)



NOTE: MUST BE TORQUED
TO 29.4-34.3 Nm
OR 21.6-25.3 FTLB

MUST USE GR/CLASS 8.8 METRIC BOLTS TO FSTN EXHAUST FLANGES

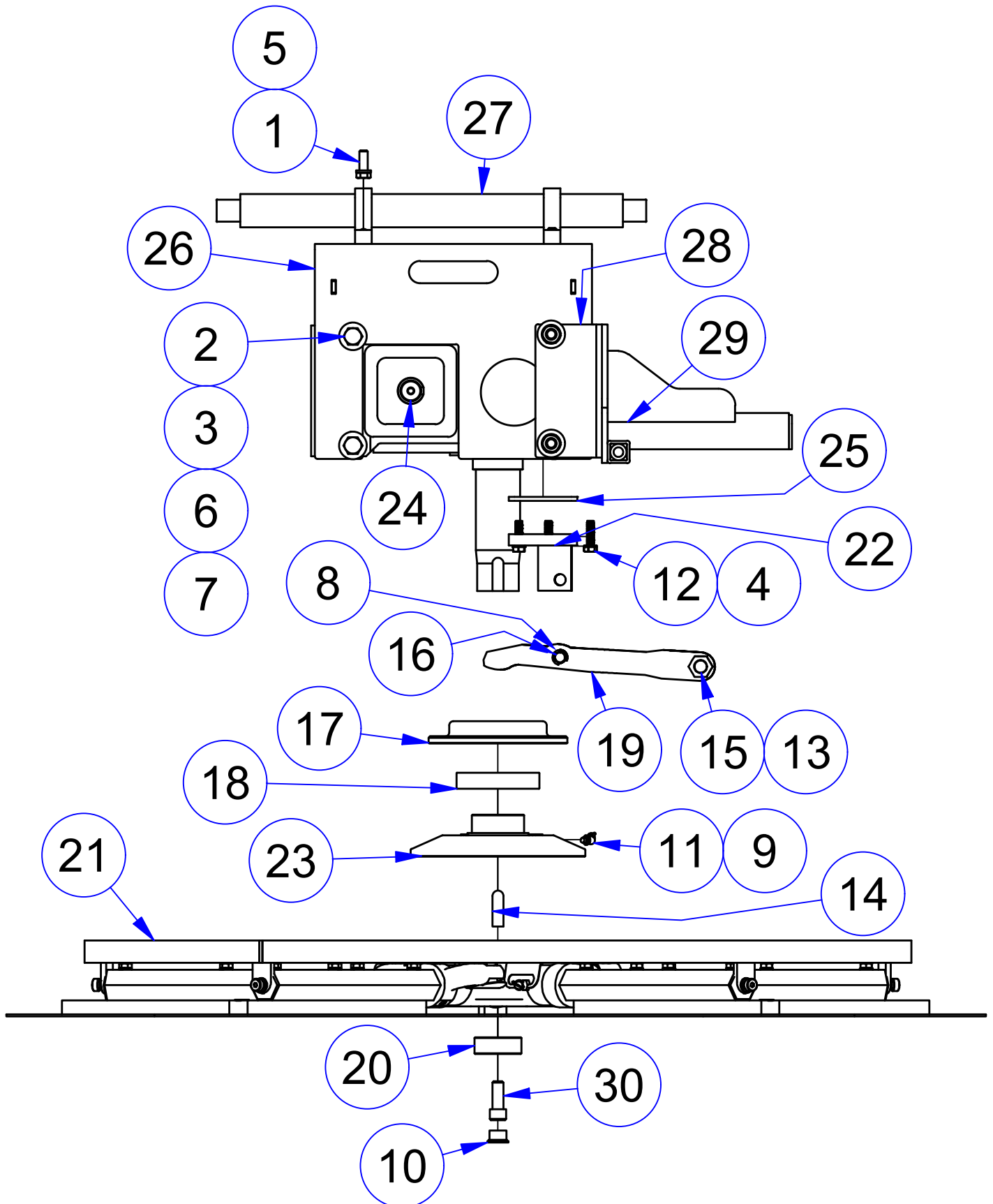
Exhaust Assembly (077701) Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010035	FASTENER, HHCS 3/8"-16 X 3/4"	10
2	010068	FASTENER, HHCS 1/2"-13 X 1-1/4"	4
3	010091	FASTENER, LOCK WASHER 3/8"	10
4	011490	FASTENER, FLAT WASHER 1/2"	4
5	017751	FASTENER, FLAT WASHER 3/8"	10
6	040208	FASTENER, 1/2"-13 STOVER HEX NUT	4
7	066344	EXHAUST INLET	1
8	069619	CAT MUFFLER F/ WG1605 KUBOTA	1
9	074363	WELDMENT, TAIL PIPE	1
10	075251	MUFFLER SHIELD	1
11	075252	WELDMENT, EXHAUST SUPPORT PANEL	1
12	082090	FASTENER, HEX NUT M8 X 1.25MM STOVER NUT CLASS 10 ZINC	4
13	082091	FASTENER, HEX NUT M12 X 1.75MM STOVER LOCK NUT CLASS 10 ZINC	2
14	082092	FASTENER, FW M8 18-8 S.S	8
15	082093	FASTENER, FW M12 18-8 S.S	4
16	082094	FASTENER, HHCS M8 X 1.25 X 40 GR 8.8 ZINC	4
17	082095	FASTENER, HHCS M12 X 1.75 X 50 GR 8.8 ZINC	2
18	082287	SENSOR, O2 FOR KUBOTA WG1605	2

SECTION 1 PARTS

Rotor Assembly - Left Hand (076020)



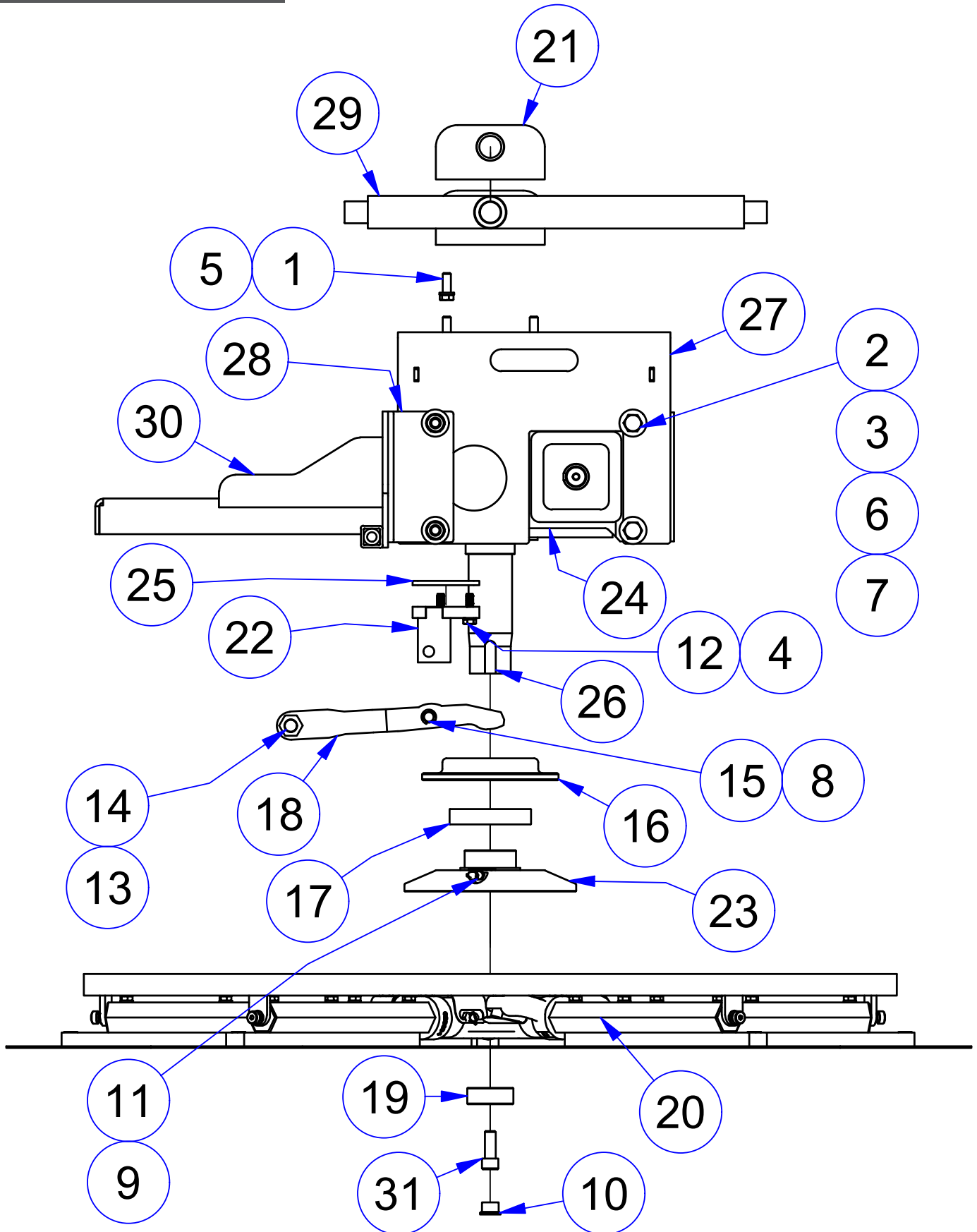
Rotor Assembly - Left Hand (076020) Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8"-16 X 1"	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4"	8
3	010085	FASTENER, FLAT WASHER 1/2"	8
4	010090	FASTENER, LOCK WASHER 5/16"	4
5	010091	FASTENER, LOCK WASHER 3/8"	4
6	010093	FASTENER, LOCK WASHER 1/2"	8
7	010106	FASTENER, NUT HEX 1/2"-13	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 8mm X 1.25 X 30mm	4
13	043269	FASTENER, NUT STOVER 5/8"-18	1
14	047354	FASTENER, HHCS 5/8"-18 X 2-1/4"	1
15	048628	PIN, YOKE ARM	1
16	049599	CAP, PRESSURE PLATE	1
17	049697	BEARING, BALL THRUST	1
18	049698	PITCH, YOKE ARM	1
19	049708	RETAINING WASHER	1
20	060543	ASSEMBLY, SPIDER LH	1
21	065231	BRACKET FOR GEARBOX	1
22	067589	PRESSURE PLATE	1
23	068161	GEARBOX, LH	1
24	069653	SHIM FOR GEARBOX	1
25	071406	KEY, ROTOR SHAFT	1
26	074183	WELDMENT, LH GEARBOX HOUSING	1
27	074186	WELDMENT, 2 WAY CROSSHEAD	1
28	074192	MOUNTING BRACKET, FOR STEERING ARM	1
29	076017	WELDMENT, LH STEERING ARM FOR 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 (076021)



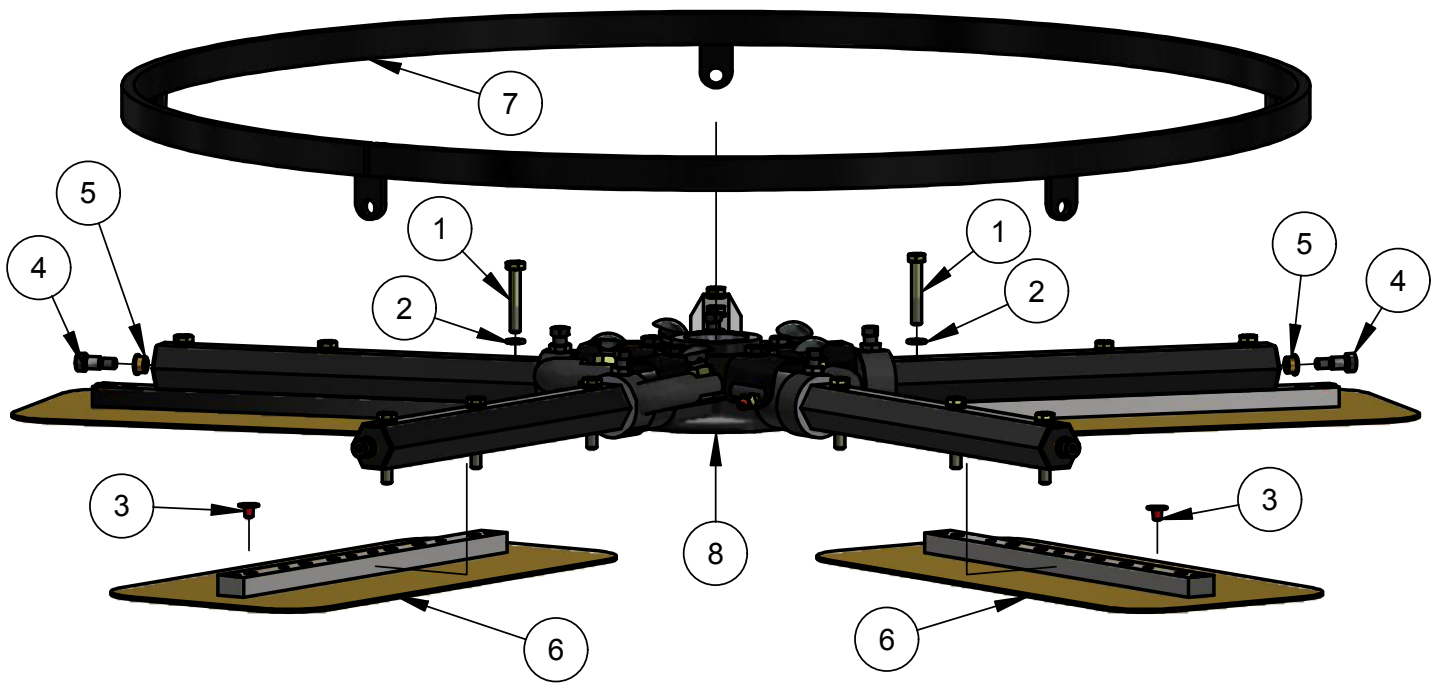
Rotor Assembly - Right Hand (076021) Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8"-16 X 1"	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4"	8
3	010085	FASTENER, FLAT WASHER 1/2"	8
4	010090	FASTENER, LOCK WASHER 5/16"	4
5	010091	FASTENER, LOCK WASHER 3/8"	4
6	010093	FASTENER, LOCK WASHER 1/2"	8
7	010106	FASTENER, NUT HEX 1/2"-13	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 8mm X 1.25 X 30mm	4
13	043269	FASTENER, NUT STOVER 5/8"-18	1
14	047354	FASTENER, HHCS 5/8"-18 X 2-1/4"	1
15	048628	PIN, YOKE ARM	1
16	049599	CAP, PRESSURE PLATE	1
17	049697	BEARING, BALL THRUST	1
18	049698	PITCH, YOKE ARM	1
19	049708	RETAINING WASHER	1
20	060544	ASSEMBLY, SPIDER RH	1
21	064260	ASSEMBLY, CROSSHEAD BEARING	2
22	065231	BRACKET, FOR GEARBOX	1
23	067589	PRESSURE, PLATE	1
24	068160	GEARBOX, RH	1
25	069653	SHIM FOR GEARBOX	1
26	071406	KEY, ROTOR SHAFT	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 MOUNT	1
31	079364	FASTENER, SHCS 1/2"-13 X 1-1/4" LH (WAS 020155)	1

SECTION 1 PARTS

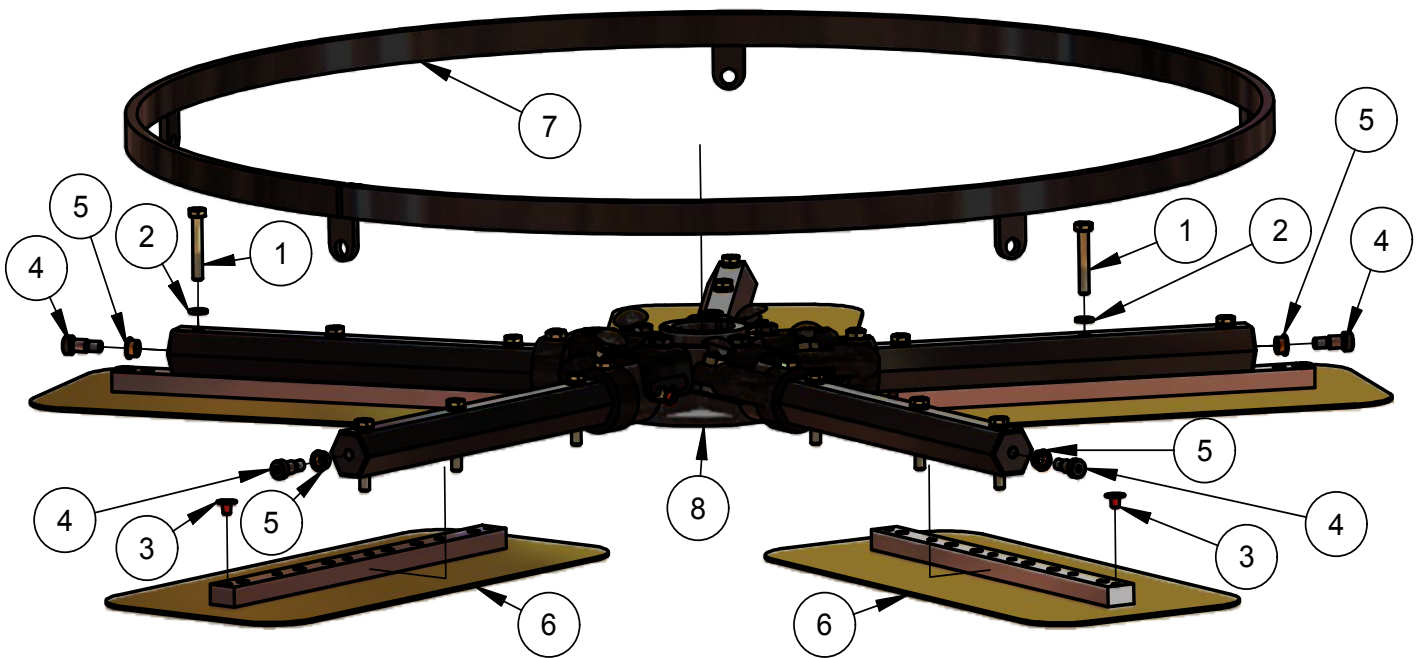
Lower Rotor Assembly (060543) - Left Hand



ITEM	PART #	DESCRIPTION	QTY
1	010024	FASTENER, HHCS 5/16"-18 X 2"	15
2	010090	FASTENER, WASHER, LOCK, 5/16"	15
3	015694	PLUG W-1 RED PLASTIC TAPERD	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 (060544) - Right Hand

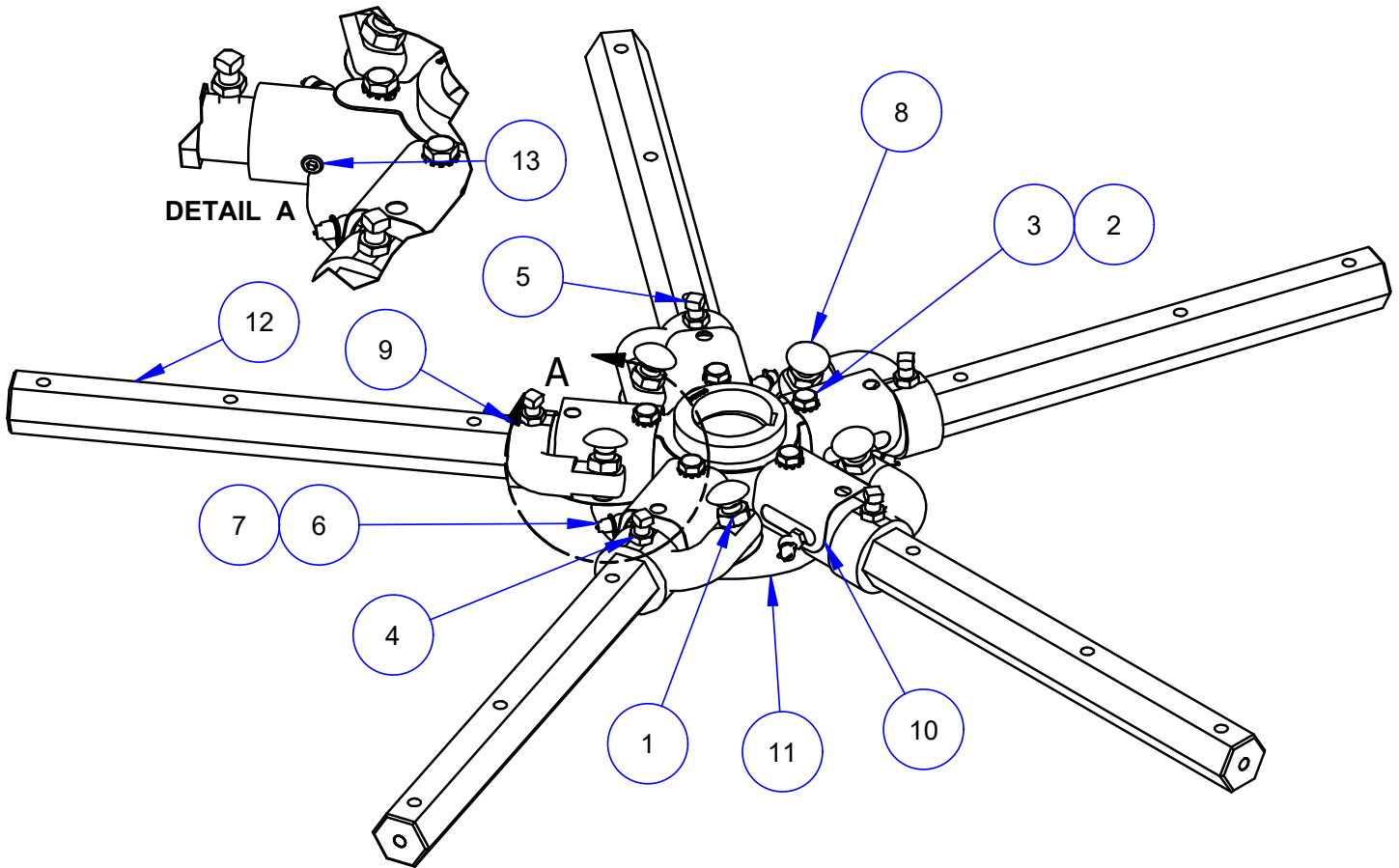
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
1	010024	FASTENER, HHCS 5/16"-18 X 2"	15
2	010090	FASTENER, WASHER, LOCK, 5/16"	15
3	015694	PLUG W-1 RED PLASTIC TAPERD	6
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

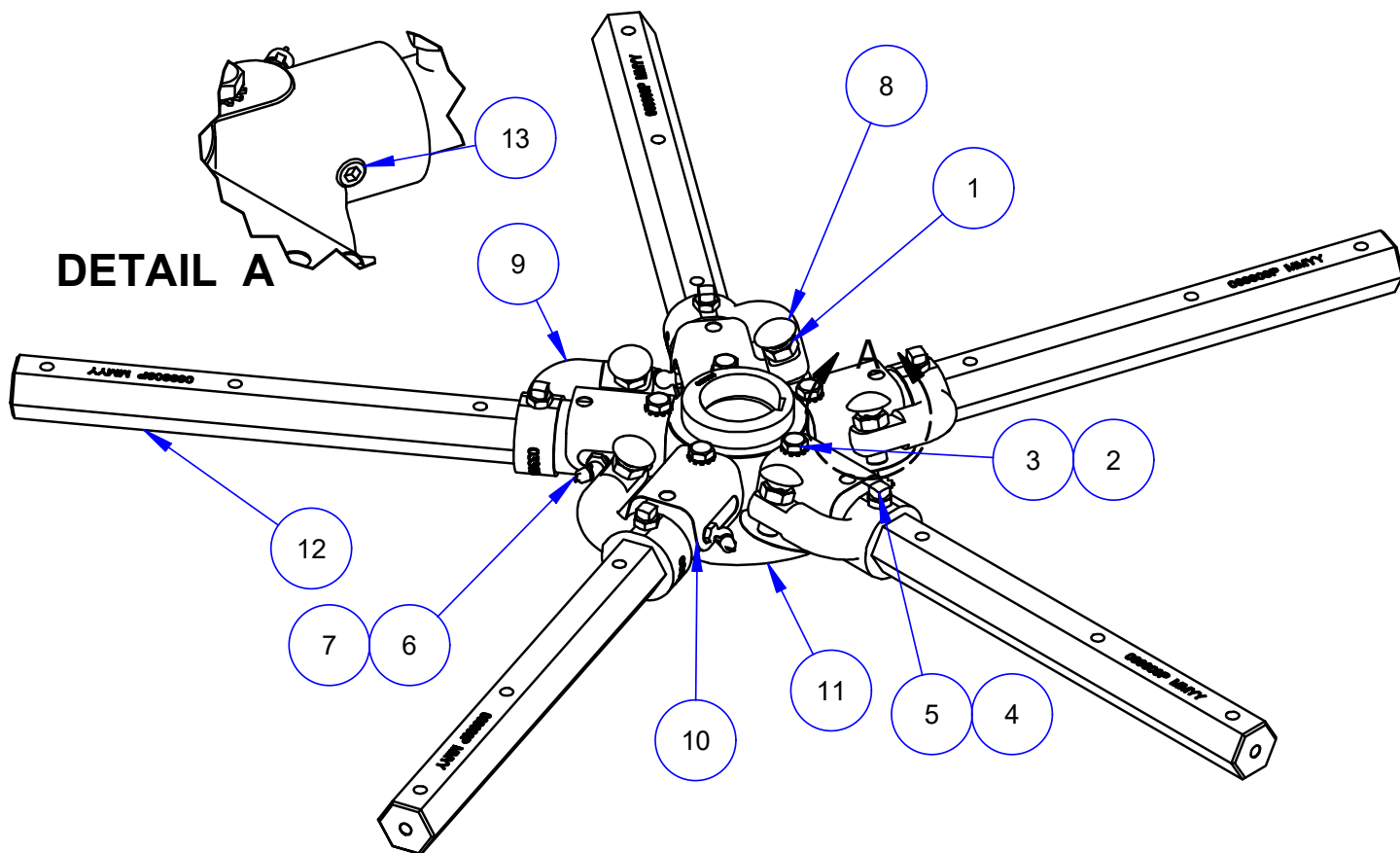
Spider Assembly (067587) - Left Hand



ITEM	PART #	DESCRIPTION	QTY
1	010050	FASTENER, NUT HEX JAM 1/2-13	5
2	015682	FASTENER, 3/8 EXT TOOTH LOCK	5
3	015683	FASTENER, 3/8-16 X 7/8 DOG PT HEX HD CAP	5
4	015684	FASTENER, NUT HEX JAM 3/8-16	5
5	015686	FASTENER, SQHSS 3/8-16 X 1	5
6	015692	CAP, Ø1/4 RED GREASE	5
7	024755	FITTING, 1/8-27 NPT 45° GREASE	5
8	028216	FASTENER, 1/2-13 X 1 1/2 CARRIAGE	5
9	033034	LEVER, LIFT SD UNIVERSAL	5
10	040792	CLIP, 46-48 UNIV SPIDER SPRING	5
11	067586	BOSS, MACHINED 5 BOSS SPIDER MSP 465/475	1
12	069909	ARM, 5 BOSS SPIDER ASSEMBLY TROWEL	5
13	050963	PLUG, 1/8" NPT HEX SOCKET ZINC PLATED	5

Spider Assembly (067588) - Right Hand

SECTION 1 PARTS

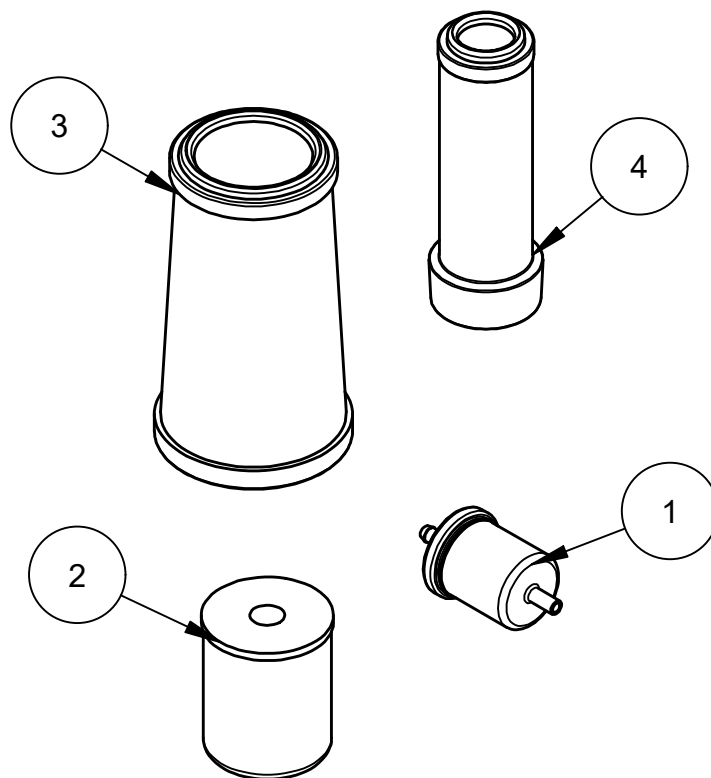


ITEM	PART #	DESCRIPTION	QTY
1	010050	FASTENER, NUT HEX JAM 1/2-13	5
2	015682	FASTENER, 3/8 EXT TOOTH LOCK	5
3	015683	FASTENER, 3/8-16 X 7/8 DOG PT HEX HD CAP	5
4	015684	FASTENER, NUT HEX JAM 3/8-16	5
5	015686	FASTENER, SQHSS 3/8-16 X 1	5
6	015692	CAP, Ø1/4 RED GREASE	5
7	024755	FITTING, 1/8-27 NPT 45° GREASE	5
8	028216	FASTENER, 1/2-13 X 1 1/2 GR 8 CARRIAGE	5
9	033034	LEVER, LIFT SD UNIVERSAL	5
10	040792	CLIP, 46-48 UNIV SPIDER SPRING	5
11	067586	BOSS, MACHINED 5 BOSS SPIDER MSP 465/475	1
12	069909	ARM, 5 BOSS SPIDER ASSEMBLY TROWEL	5
13	050963	PLUG, 1/8" NPT HEX SOCKET ZINC PLATED	5

SECTION 2 DECALS

Service Parts, Filters

Note: Illustrations are
for reference only

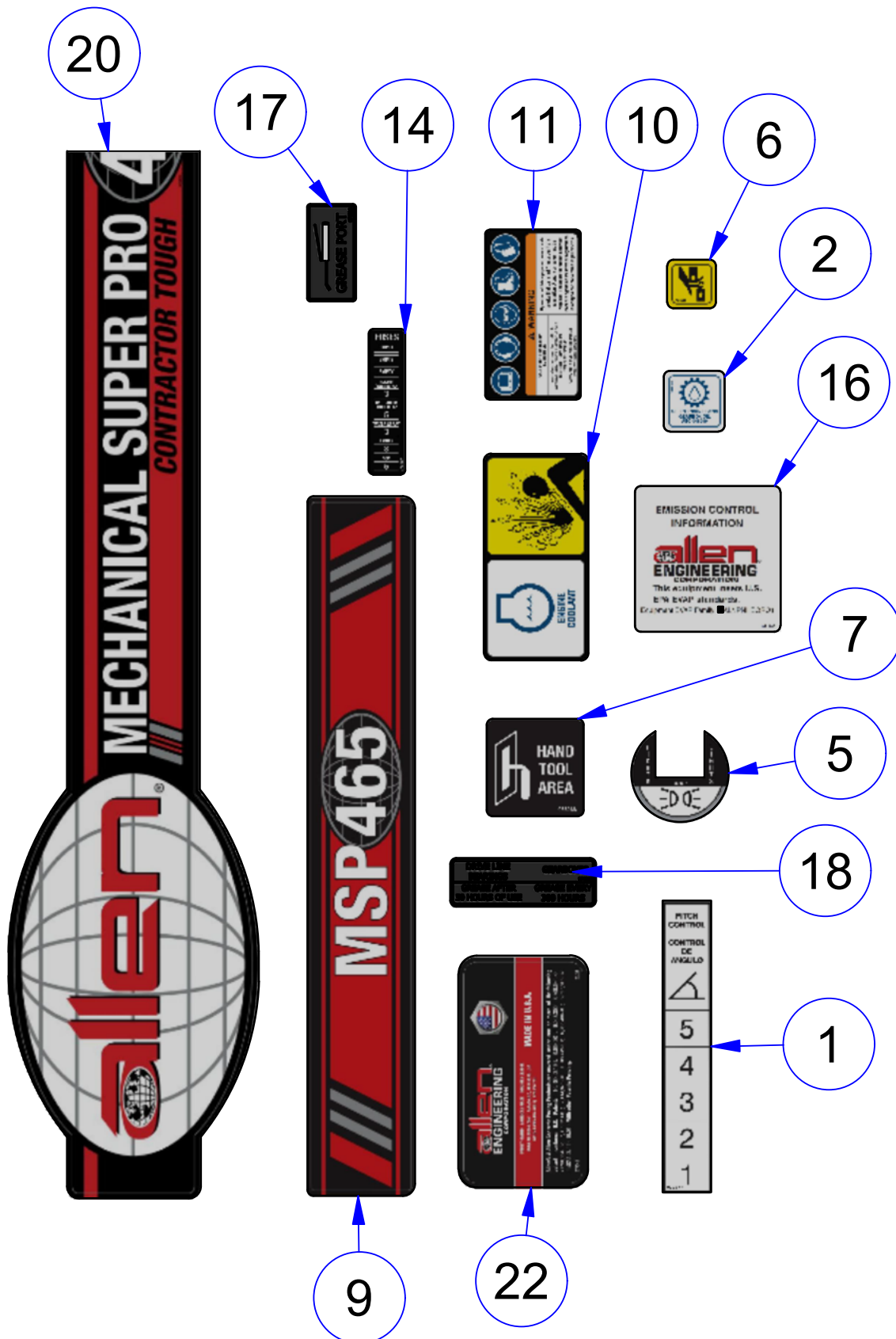


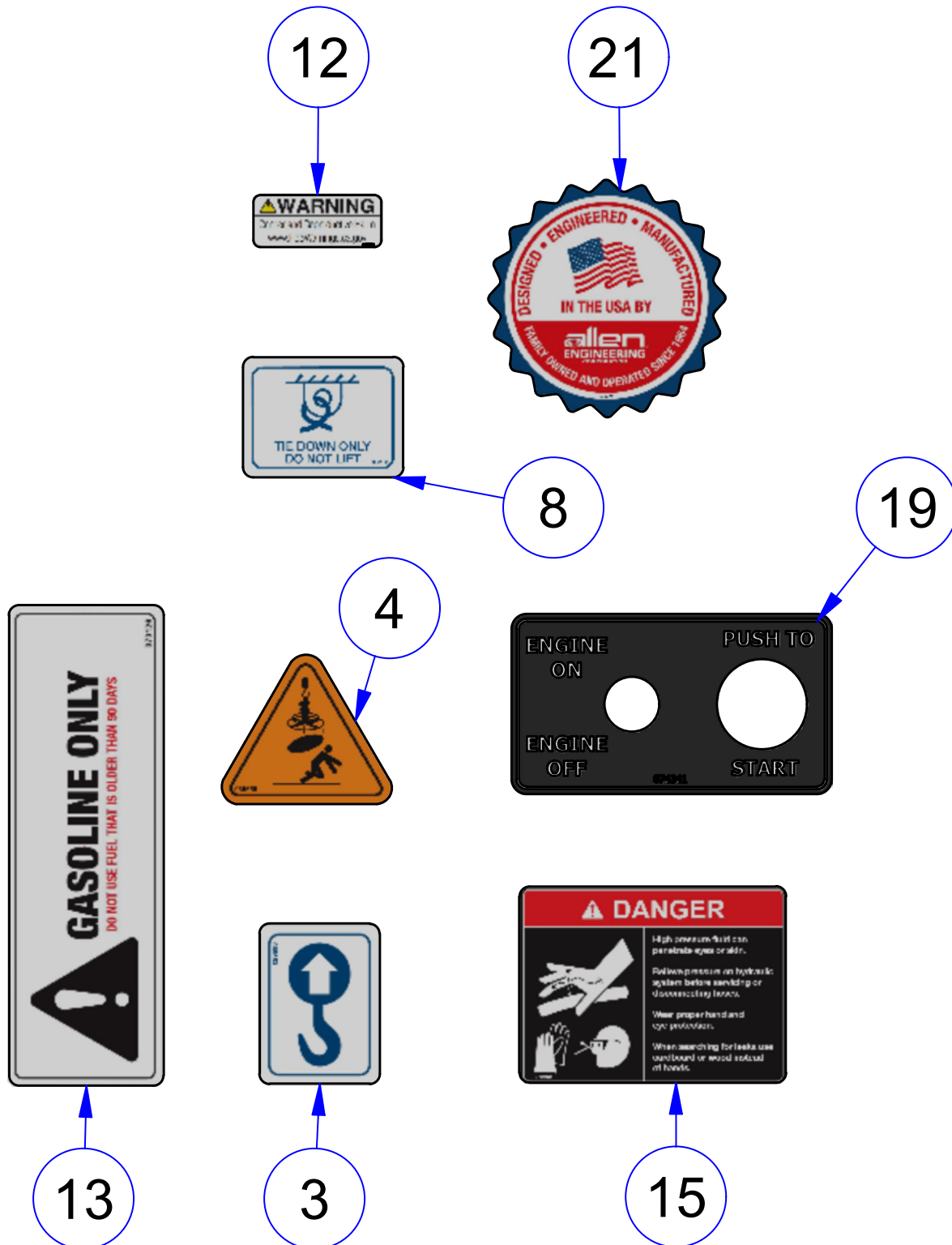
ITEM	PART NO.	DESCRIPTION	QTY
1	043920	FILTER, FUEL IN-LINE FOR WG1605 KUBOTA	1
2	064828	FILTER, ENGINE OIL ELEMENT FOR WG1605 KUBOTA	1
3	069428	FILTER, AIR PRIMARY ELEMENT FOR WG1605 KUBOTA	1
4	069429	FILTER, AIR SAFETY ELEMENT FOR WG1605 KUBOTA	1

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 AND 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 AND 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
G	11/25	Updated Illustrations and Parts List	MK
H	08/26	Updated 077595 FNT Deck and Spray System 081930	MK

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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.



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