

RIDING TROWEL

MSP475



PARTS & DECALS MANUAL

Manual Part #: 069599P | Revision: H
Language: English | Original Instructions



For information regarding the following, please see the “MSP475 - Safety & Operations Manual”

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

RIDING TROWEL

PARTS & DECAL MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
074400	MSP475, 8ft, Kubota 57HP, Gas, Hydraulic 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:

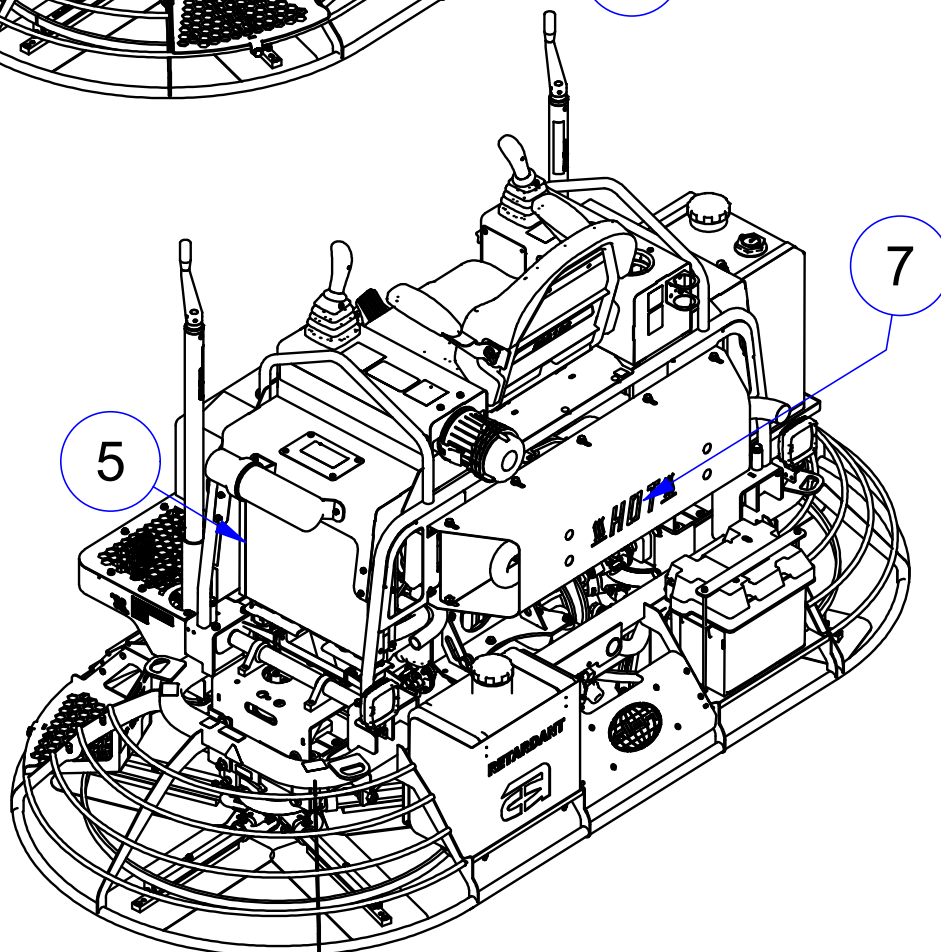
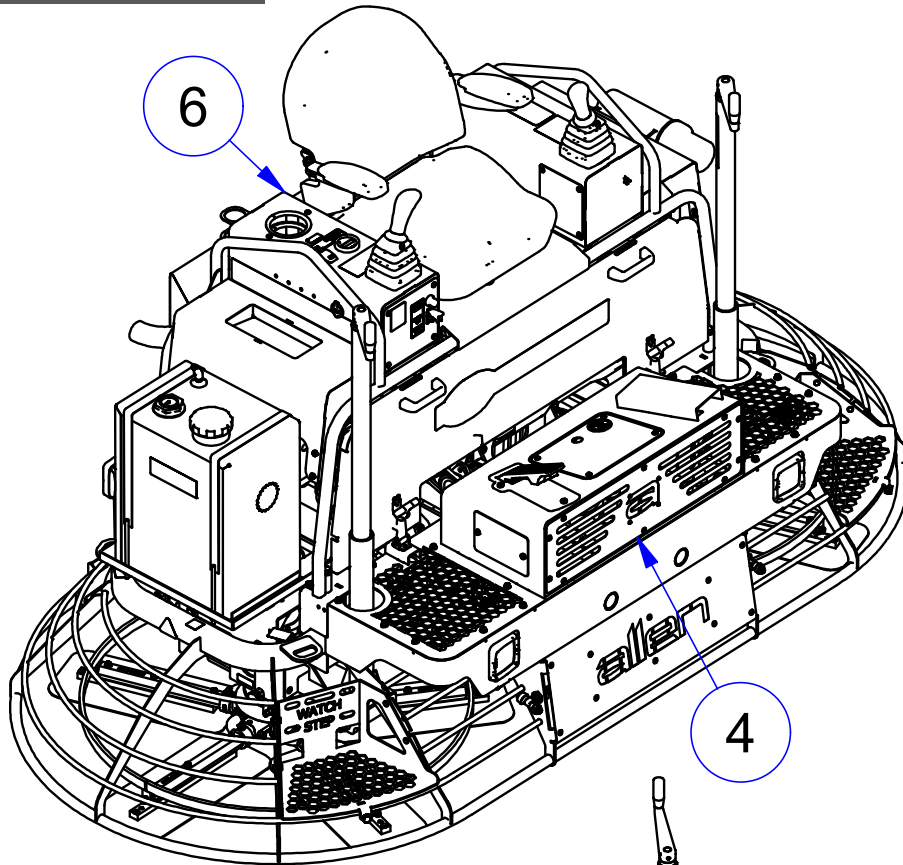
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO 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 (074400)



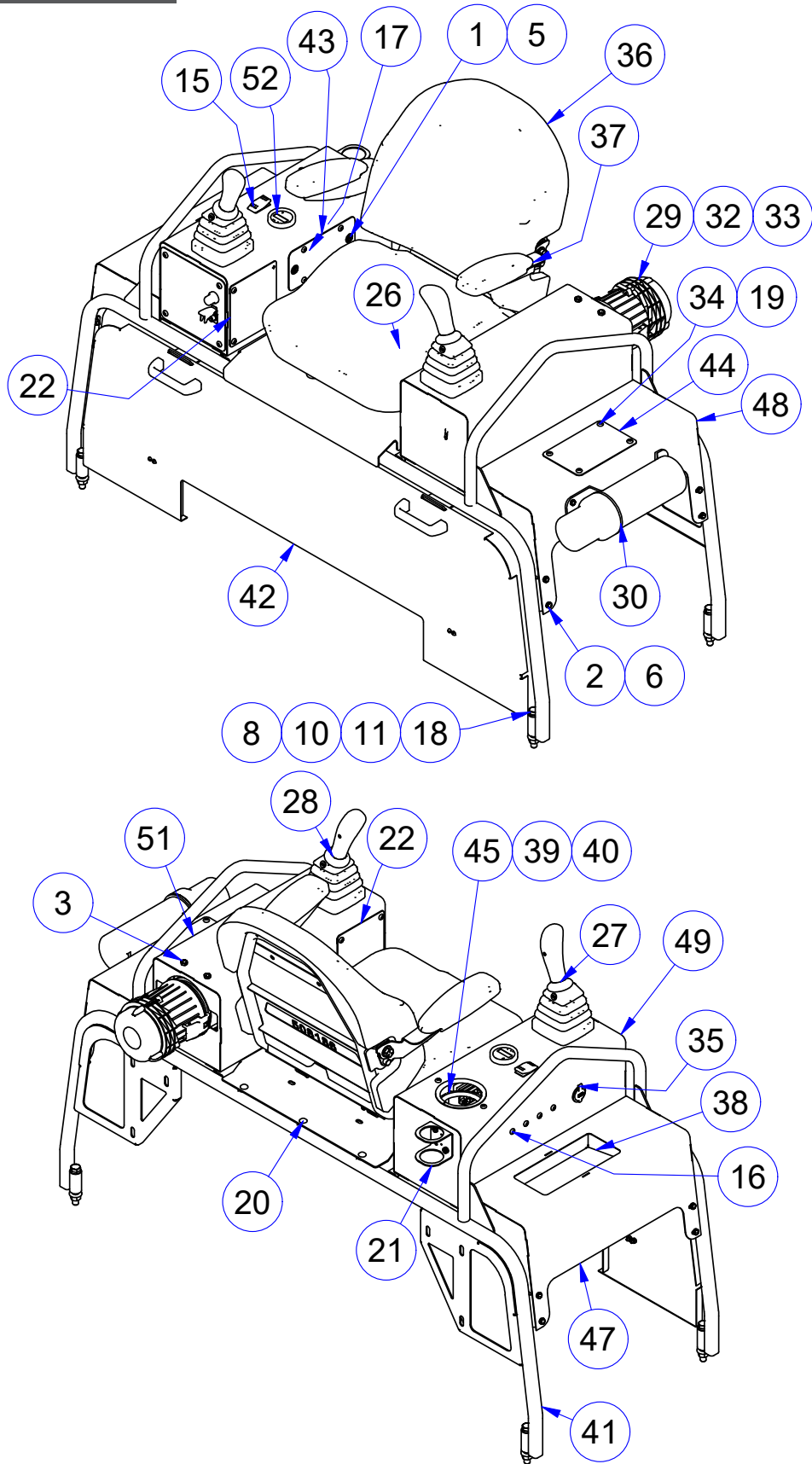
General Assembly (074400) Parts List

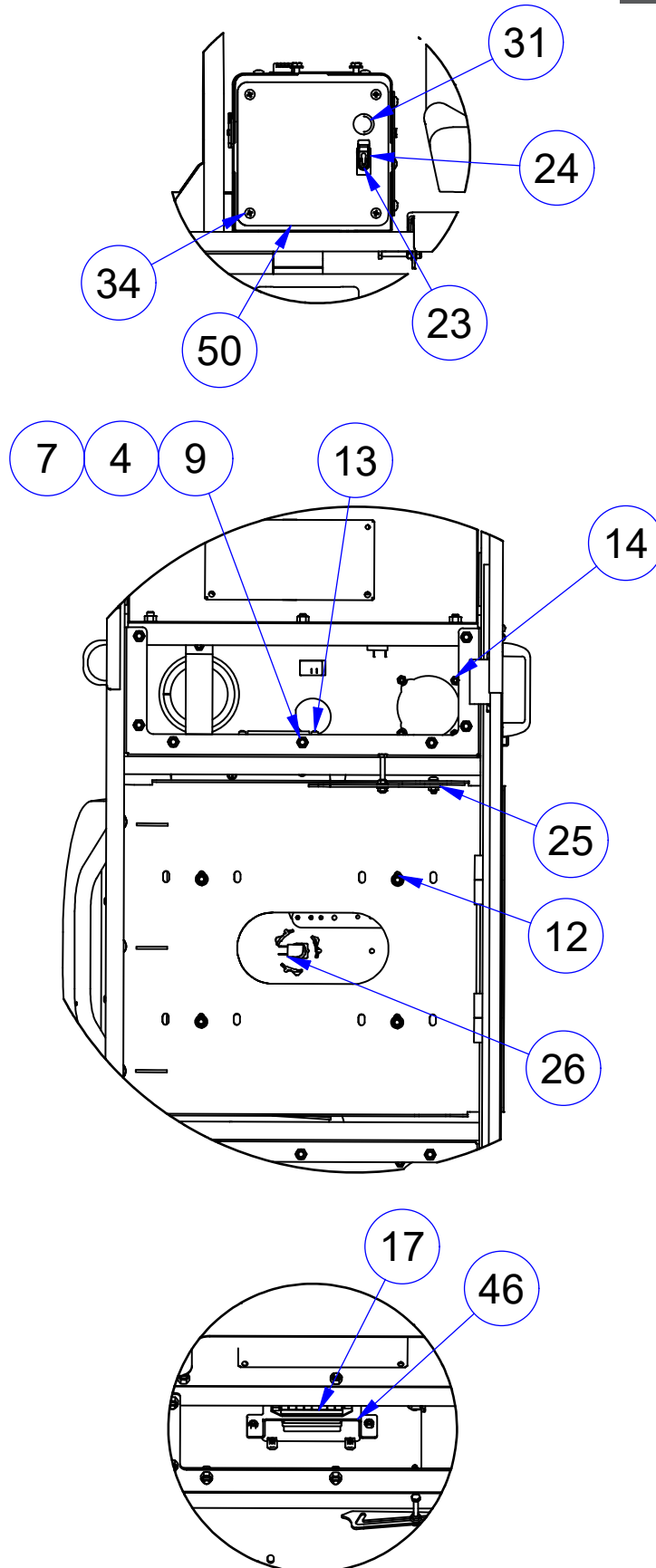
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	073447	WIRING HARNESS (COMES W/ ENGINE)	1
2	074139	KIT, HYD. SPRAY AND LUBRICATION	1
3	074343	KIT, DECAL MSP 475	1
4	074401	ASSEMBLY, MAIN FRAME	1
5	074402	ASSEMBLY, POWER UNIT	1
6	074403	ASSEMBLY, SEAT 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 (074403)





SECTION 1 PARTS

Seat Frame Assembly (074403) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4"-20 X 1/2"	4
2	010002	FASTENER, HHCS 1/4"-20 X 1/2"	19
3	010019	FASTENER, HHCS 5/16"-18 X 3/4"	2
4	010035	FASTENER, HHCS 3/8"-16 X 3/4"	20
5	010081	FASTENER, FLAT WASHER 1/4"	23
6	010089	FASTENER, LOCK WASHER 1/4"	11
7	010091	FASTENER, LOCK WASHER 3/8"	20
8	010093	FASTENER, LOCK WASHER 1/2"	4
9	010102	FASTENER, HEX NUT 3/8"-16	20
10	010106	FASTENER, HEX NUT 1/2"-13	4
11	011490	FASTENER, FLAT WASHER 1/2"	4
12	012612	FASTENER, HEX NUT NYLOCK 5/16"-18	6
13	013484	FASTENER, PPH SCREW, 10-24 X 1/2"	2
14	020542	FASTENER, STOVER NUT LOCK 1/4"-20	16
15	032125	ROCKER SWITCH	1
16	034716	12V RELAY 30/50 A	4
17	038965	FUSE BLOCK	1
18	045855	FASTENER, HHCS 1/2"-13 X 3-1/2"	4
19	047546	FASTENER, PAL NUT- 1/4"-20	20
20	047665	RUBBER BUMPER	3
21	049632	BRACKET, TOOL HOLDER	1
22	050049	ACCESS PANEL	2
23	050603	TOGGLE SWITCH	1
24	050604	COVER F/ TOGGLE SWITCH	1
25	053211	SEAT PROP	1
26	061374	KILL SWITCH F/ SEAT	1
27	064817	RH JOYSTICK	1
28	064818	LH JOYSTICK	1
29	066237	AIR CLEANER	1
30	066255	MANUAL TUBE	1
31	068956	MOMENTARY SWITCH, PUSH BUTTON	1
32	069428	FILTER, AIR, PRIMARY FOR WG1605	1
33	069429	FILTER, AIR, SAFETY ELEMENT FOR WG1605	1
34	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	27
35	069850	USB RECEPTACLE 12VDC	1
36	069874	SEAT, RIDER	1
37	069875	ARM REST, RIDER SEAT (RH/LH SET)	1

Seat Frame Assembly (074403) Parts List

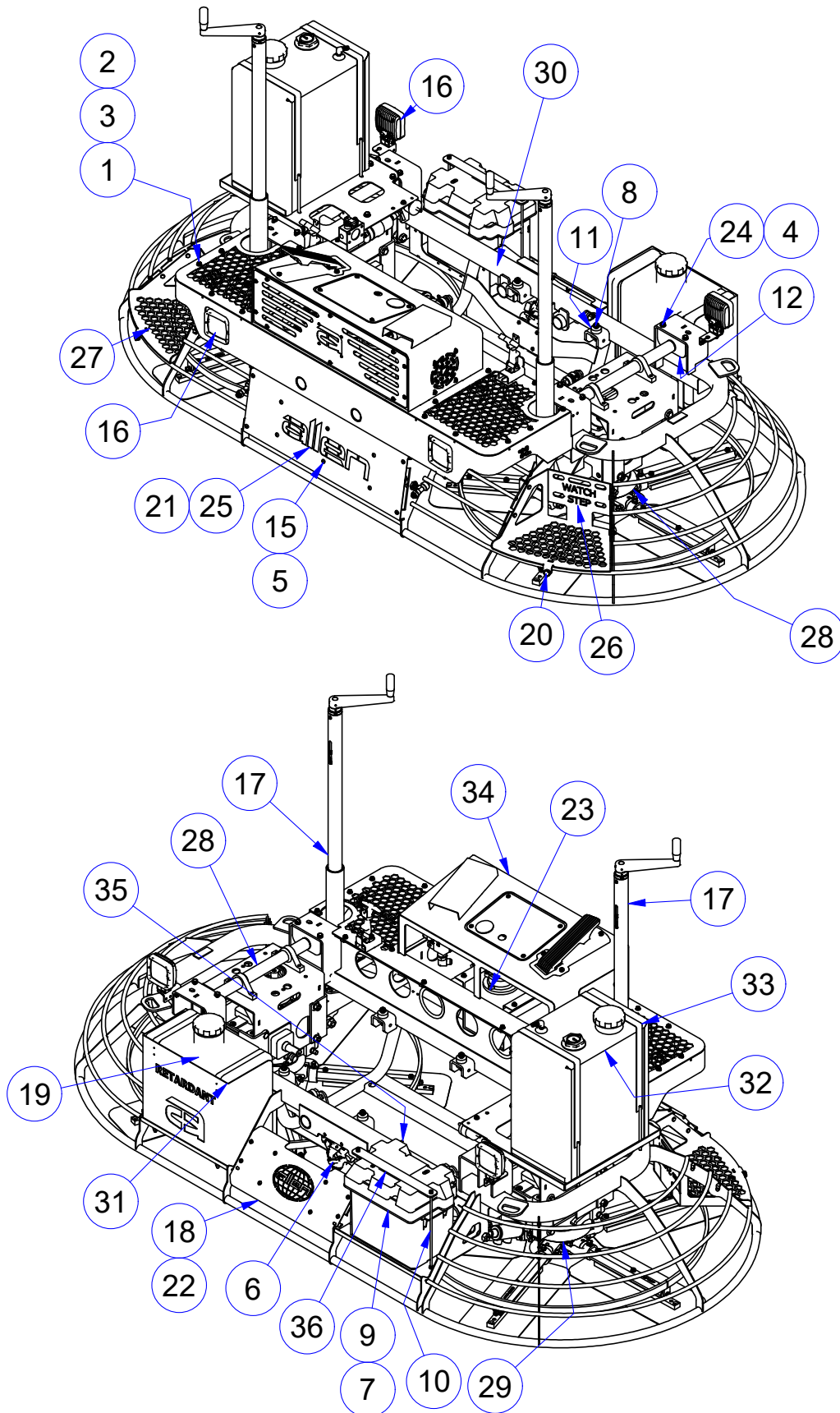
SECTION 1 PARTS

38	071106	RUBBER, CELL HOLDER TRAY	1
39	*071123	RUBBER TRIM CUT 12 500" LONG, USE 071122	1.05FT
40	*071124	RUBBER TRIM CUT 10.5" LONG, USE 071122	0.875FT
41	074231	WELDMENT, SEAT FRAME	1
42	074240	ASSEMBLY, FRONT SCREEN	1
43	074243	COVER, FOR FUSE PANEL	1
44	074244	COVER, COOLANT FILL	1
45	074251	WELDMENT, CUP HOLDER	1
46	074254	BRACKET, FUSE BLOCK MOUNTING	1
47	074407	WELDMENT, COWLING RH	1
48	074408	WELDMENT, COWLING LH	1
49	074409	MOUNT, RH JOYSTICK	1
50	074416	END CAP, FOR JOYSTICK MOUNTS	1
51	074420	WELDMENT, LH OUTSIDE PANEL	1
52	074704	DISPLAY, 2" ROUND	1

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

SECTION 1 PARTS

Main Frame (074401) Assembly



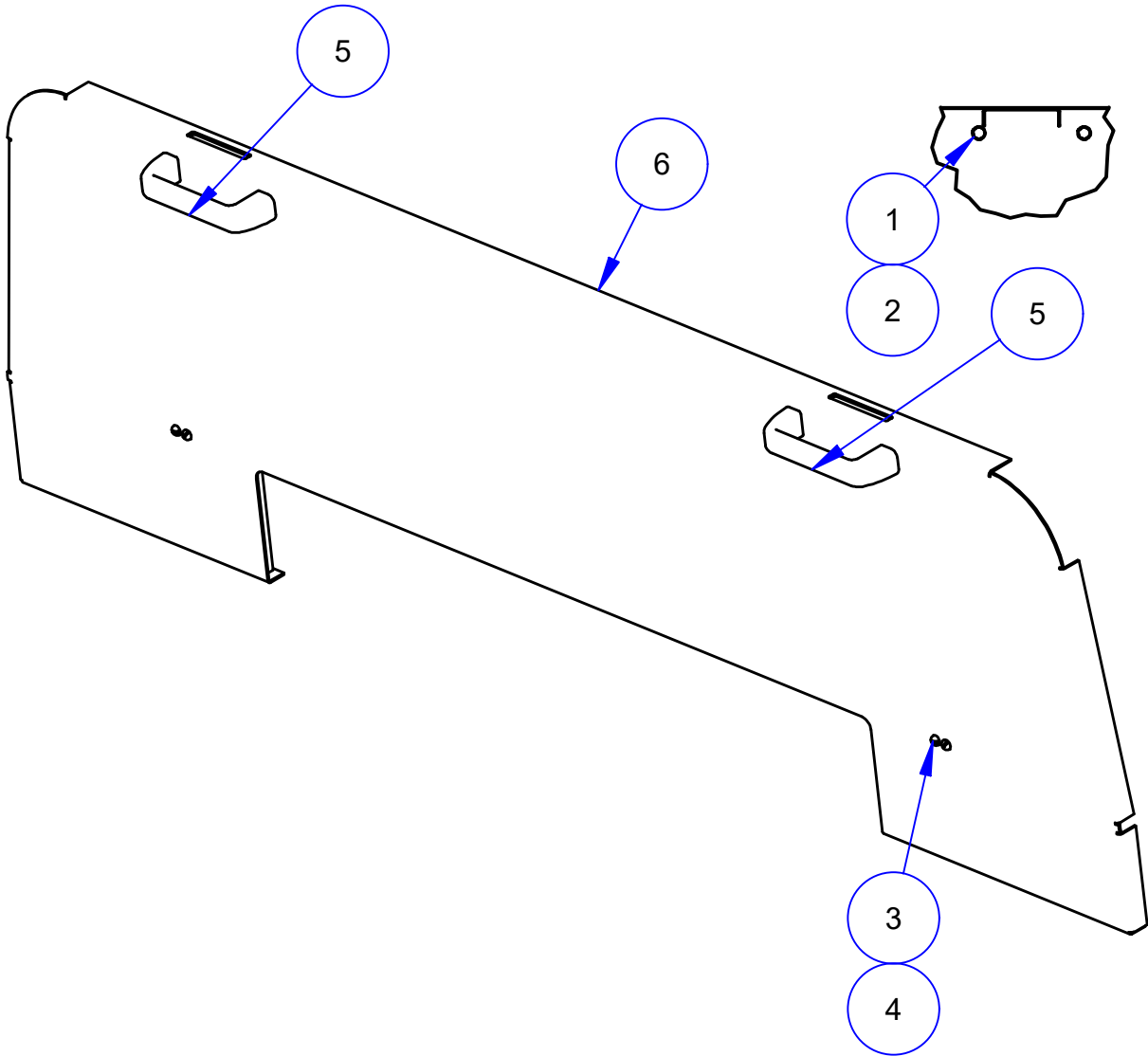
Main Frame (074401) Assembly Parts List

SECTION 1 PARTS

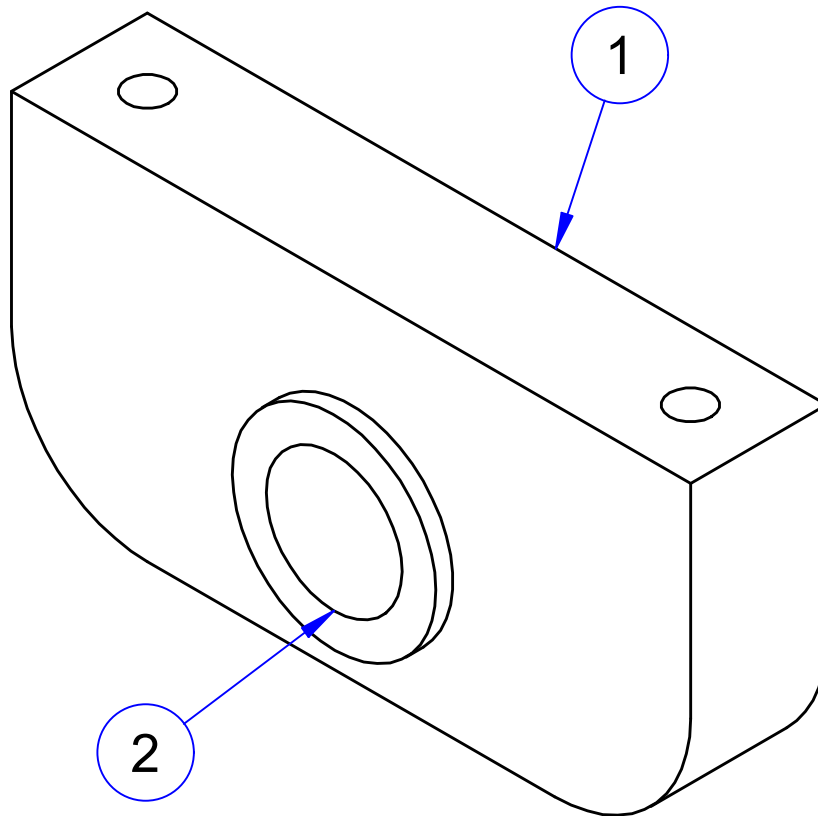
ITEM	PART #	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4"-20 X 3/4"	29
2	010081	FASTENER, FLAT WASHER 1/4"	23
3	010089	FASTENER, LOCK WASHER 1/4"	24
4	010091	FASTENER, LOCK WASHER 3/8"	12
5	029671	FASTENER, HEX NUT NYLOCK 1/4"-20	16
6	033735	PUMP F/ SPRAY SYSTEM	1
7	037771	BATTERY, 12V	1
8	040637	FASTENER, HHCS 3/8"-16 X 2-1/4"	4
9	046696	BATTERY BOX	1
10	048589	BATTERY HOLD DOWN ROD	2
11	048901	ISOLATOR MOUNT	4
12	064260	ASSEMBLY, BEARING BLOCK W/ BRONZE BEARING (068157)	4
13	069666	BATTERY CABLE, POSITIVE 55"	1
14	069667	BATTERY CABLE, NEGATIVE 62"	1
15	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	18
16	069835	LED LIGHT	4
17	070570	ASSEMBLY, PITCH CONTROL	2
18	071089	REAR CENTER COVER PANEL	1
19	071536	TANK, 7 GAL WATER	1
20	071606	FASTENER, THUMB SCREW 1/4"-20 X 1-3/4"	2
21	072739	PLATE, BACKER F/ FRONT COVER	1
22	072856	PLATE, BACKER F/ REAR COVER	1
23	073486	ASSEMBLY, HYDRAULIC TANK	1
24	074068	FASTENER, HHCS 3/8"-16 X 1"	8
25	074206	FRONT CENTER COVER PANEL	1
26	074211	WELDMENT, LH STEP	1
27	074214	WELDMENT, RH STEP	1
28	074405	ASSEMBLY, LH ROTOR	1
29	074406	ASSEMBLY, RH ROTOR	1
30	074410	WELDMENT, MAIN FRAME	1
31	075422	WELDMENT, 7 GAL TANK GUARD RETARDANT	1
32	075643	ASSEMBLY, 10 GAL FUEL TANK	1
33	075649	WELDMENT, 10 GAL HOLD DOWN STRAP	2
34	077720	ASSEMBLY, UPPER DECK	1
35	079096	UNDERCARRIAGE PAN	1
36	079455	BATTERY HOLD DOWN BAR	1

SECTION 1 PARTS

Front Screen (074240) Assembly



ITEM	PART NO.	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	WELDMENT, FRONT SCREEN FOR MSP465	1

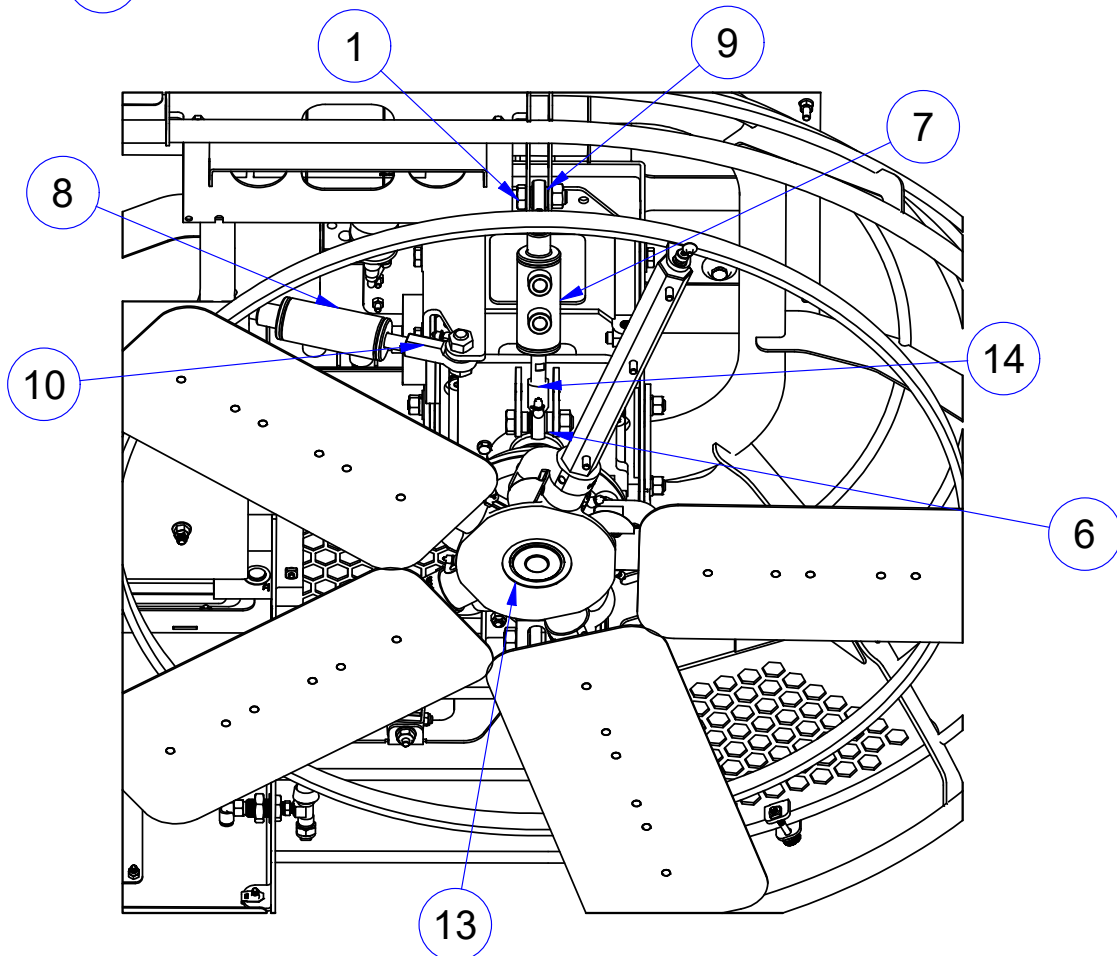
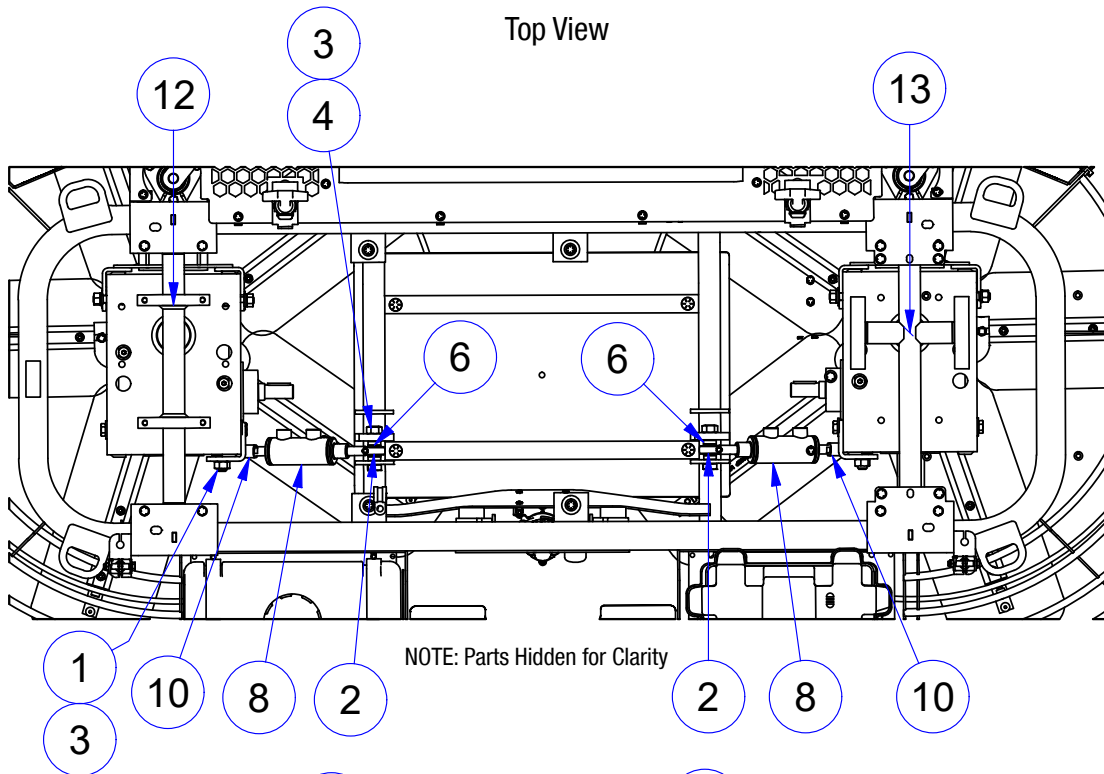


ITEM	PART NO.	DESCRIPTION	QTY
1	064259	BLOCK, FOR BEARING BLOCK	1
2	068157	FLANGED BEARING, 1" ID X 1 LONG OIL IMPREGNATED BRONZE	1

SECTION 1 PARTS

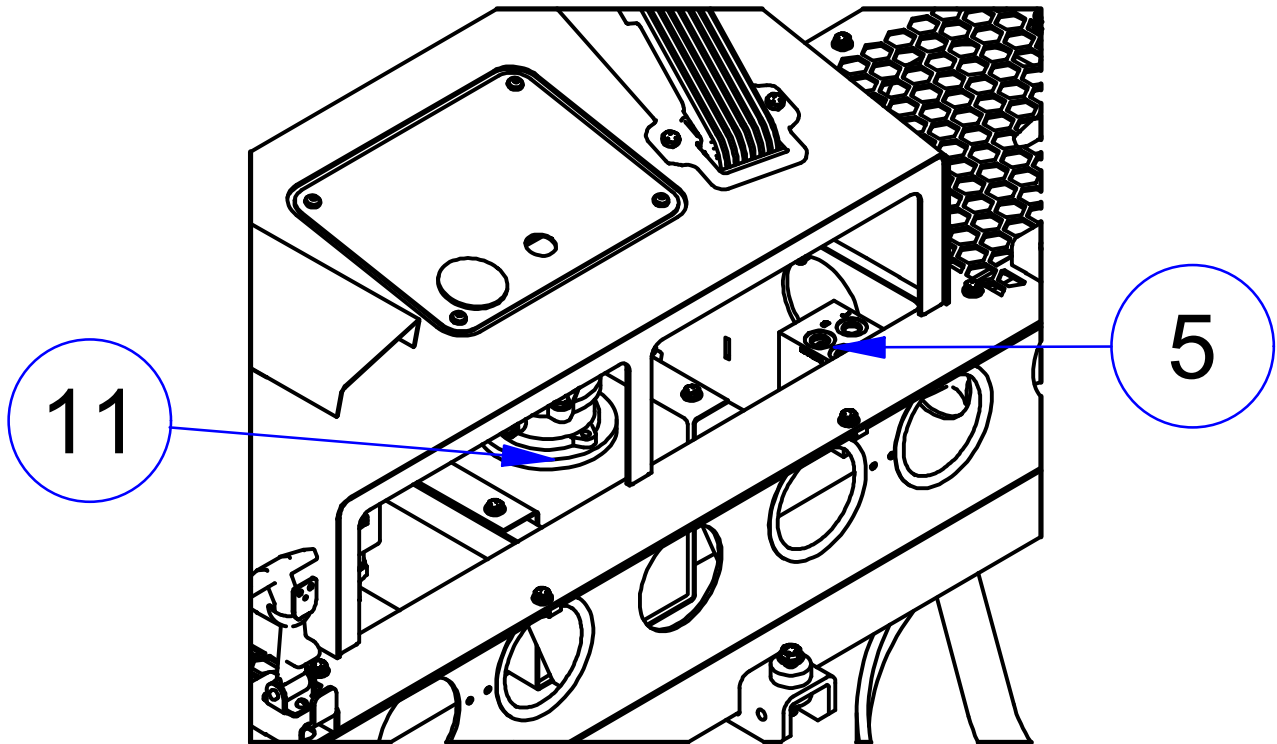
Steering System Assembly

Top View



Steering System Parts List

SECTION 1 PARTS

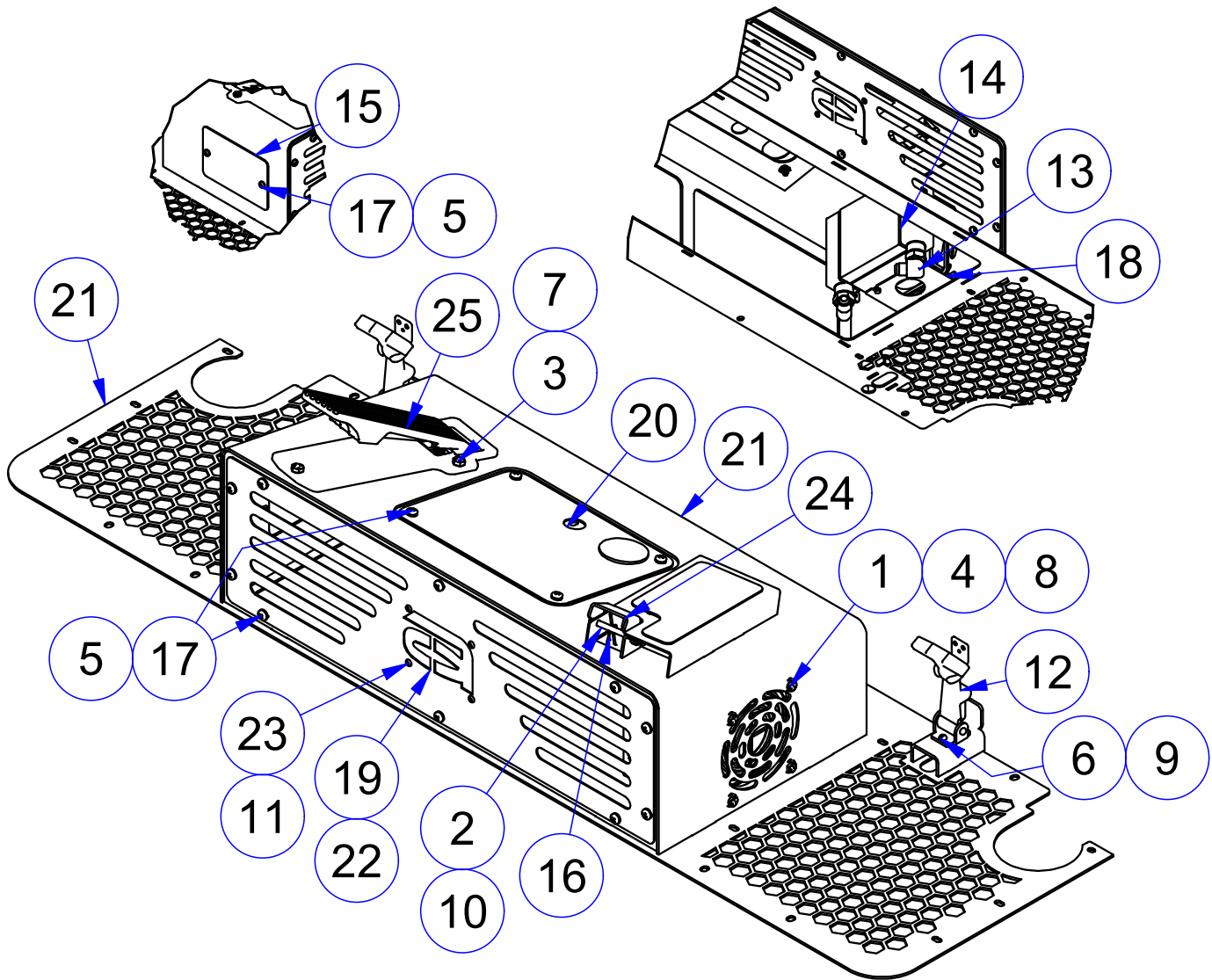


ITEM	PART #	DESCRIPTION	QTY
1	040319	FASTENER, HHCS 5/8"-18 X 1-1/4"	3
2	043124	ROD, END MALE 5/8"	2
3	043269	FASTENER, STOVER HEX NUT 5/8"-18	6
4	043493	FASTENER, HHCS 5/8"-18 X 2-1/2"	3
5	046735	MANIFOLD, HYDRAULIC STEERING	1
6	048627	SPACER, STEERING CONNECTION	6
7	048660	STEERING CYLINDER, 1.5" X 0.625"	1
8	048661	STEERING CYLINDER, 1.5" X 1.25"	2
9	052596	ROD END, MALE 5/8" MODIFIED 13/16" SHORTER	1
10	066188	ROD END, FEMALE 5/8"	2
11	073486	ASSEMBLY, HYDRAULIC TANK	1
12	074405	ASSEMBLY, ROTOR LEFT HAND	1
13	074406	ASSEMBLY, ROTOR RIGHT HAND	1
14	078669	ROD END FEMALE, 5/8" MODIFIED 1/2" SHORTER	1

***NOTE:** Due to manufacturing tolerance and hydraulic cylinder supplier differences the normal rod ends may not fit on a particular cylinder. Before ordering male rod ends for hydraulic cylinders measure the overall length to ensure the right part is ordered: 043124 male rod end (overall length of 3-7/16" or 87.3 mm) 052596 male rod end (overall length of 2-5/8" or 66.6 mm).

SECTION 1 PARTS

Front Deck (077720) Assembly



Front Deck (077720) Parts List

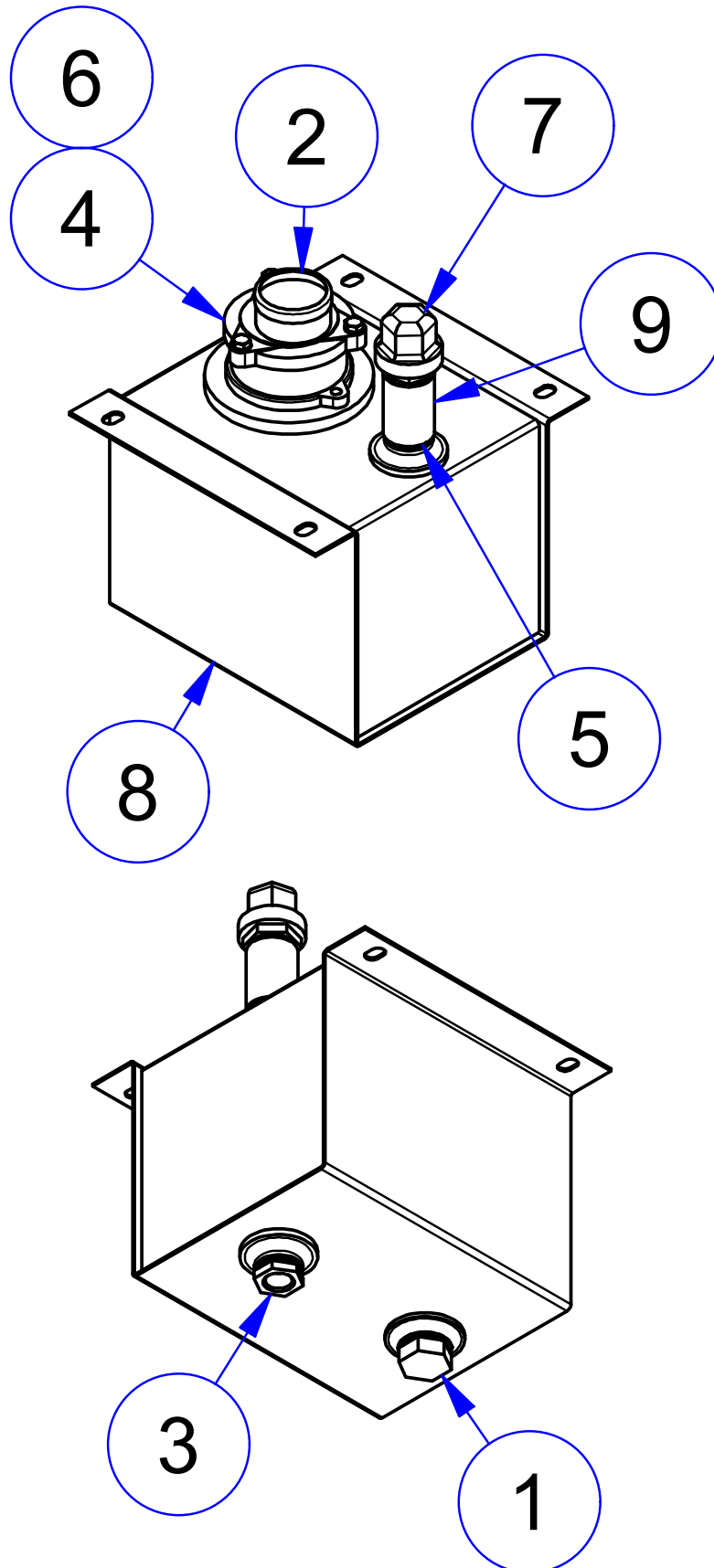
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4"-20 X 1/2"	4
2	010009	FASTENER, HHCS 1/4-20 X 2 1/2	1
3	010019	FASTENER, HHCS 5/16-18 X 3/4	3
4	010081	FASTENER, FLAT WASHER 1/4"	4
5	010089	FASTENER, LOCK WASHER 1/4"	16
6	010568	FASTENER, SCREW, 10-32 X 1/2"	4
7	012612	FASTENER, HEX NUT NYLOCK 5/16-18	3
8	020542	FASTENER, HEX NUT STOVER 1/4"-20	4
9	029568	FASTENER, HEX NUT NYLOCK 10-32	4
10	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	1
11	039100	FASTENER, HEX NUT NYLOCK 8-32	4
12	042260	LATCH, T-HANDLE EXTRA-LARGE DRAW	2
13	052928	FITTING, 90° ELBOW 9059-8-8 JIC-BSPP	2
14	052930	COOLER, AIR/OIL	1
15	060492	PLATE, COVER TOP DECK SIDE	1
16	068956	SWITCH, MOMENTARY	1
17	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	16
18	071061	BRACKET, COOLER MOUNTING MSP455	2
19	071074	COVER FRONT, DECK FOR MSP455	1
20	073458	COVER, FOR HYD TANK TOP DECK	1
21	074394	WELDMENT, UPPER DECK	1
22	074535	PLATE, BACKING FOR SMALL SYMBOL RED	1
23	074537	FASTENER, 8-32 SCREW PAN HEAD X 1/2	4
24	076300	WELDMENT, PEDAL WATER SWITCH FOR RIDERS	1
25	*081377	PEDAL ELECTRONIC, FLOOR MOUNT WITH HALL EFFECT SWITCH	1

*Note: Rev H Foot pedal changed from 063341 to 081377

SECTION 1 PARTS

Hydraulic Tank (073486) Assembly



Hydraulic Tank (073486) Parts List

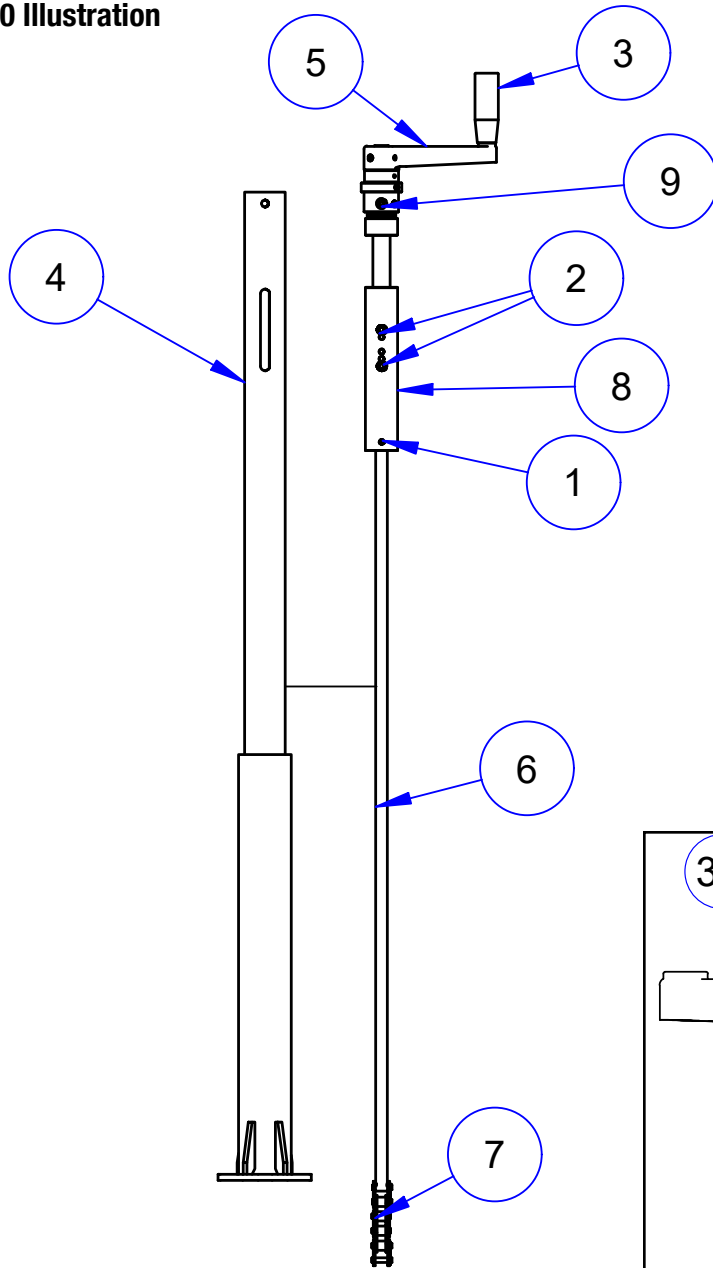
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	045948	PLUG MAGNETIC	1
2	046241	GAUGE, FOR RETURN FILTER	1
3	046732	SUCTION STRAINER	1
4	049978	RETURN LINE FILTER	1
5	057931	FITTING, COUPLING, 3/4" NPT MALE TO MALE	1
6	061528	FILTER, ELEMENT HYDRAULIC	1
7	073277	FILLER BREATHER W/ DIPSTICK	1
8	073505	WELDMENT, HYDRAULIC TANK	1
9	081186	FITTING, COUPLING, 3/4" NPT FEMALE TO FEMALE	1

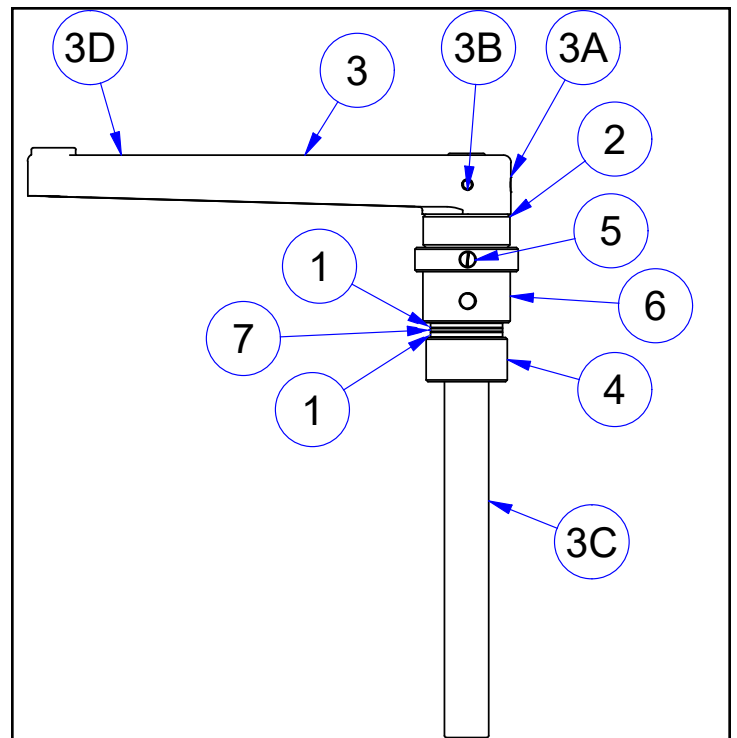
SECTION 1 PARTS

Pitch Control Assembly (070570 - OLD)

070570 Illustration



Item 6 (061529) Illustration



Pitch Control (070570 - OLD) Parts List

SECTION 1 PARTS

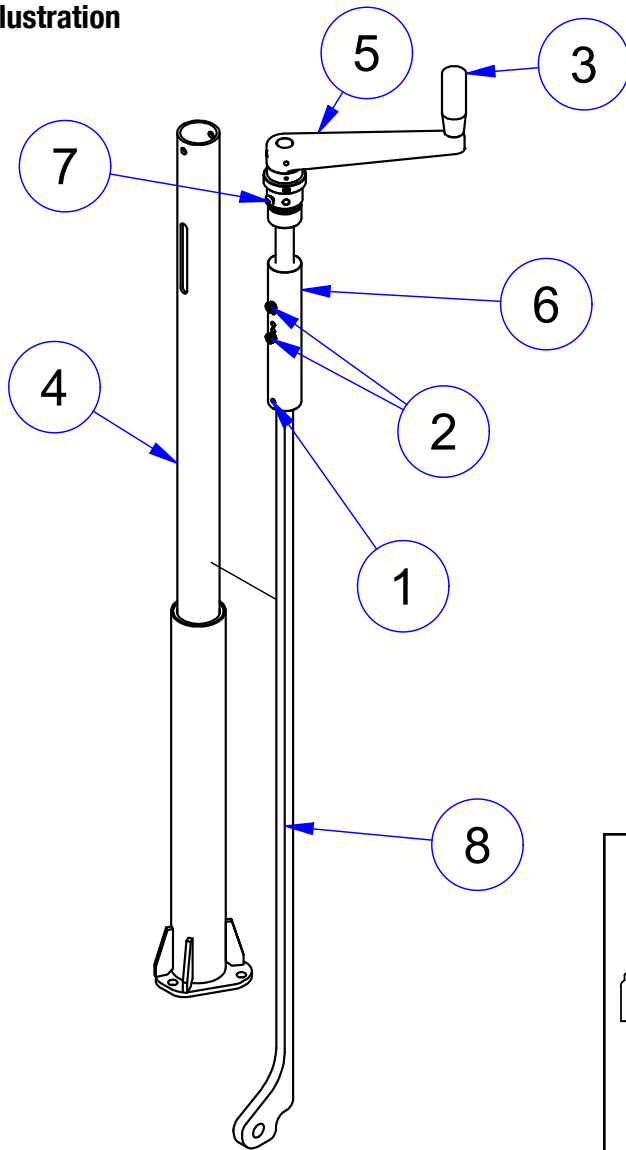
ITEM	PART #	DESCRIPTION	QTY
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061529	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT	1
6	070571	ROD FOR PITCH CONTROL ASSEMBLY	1
7	070752	CHAIN	1
8	075902	BUSHING, 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

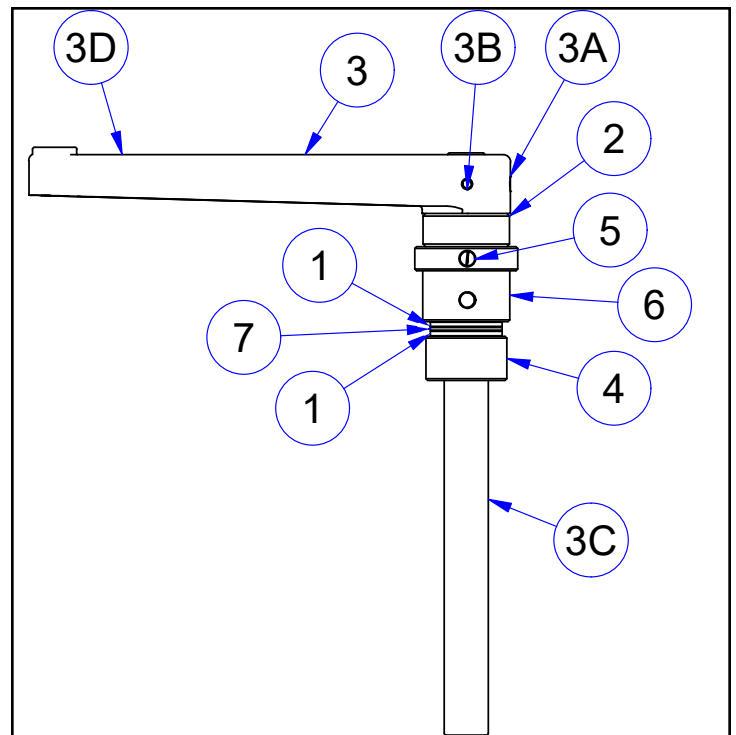
SECTION 1 PARTS

Pitch Control Assembly (070570 - Current)

070570 Illustration



Item 6 (061529) Illustration



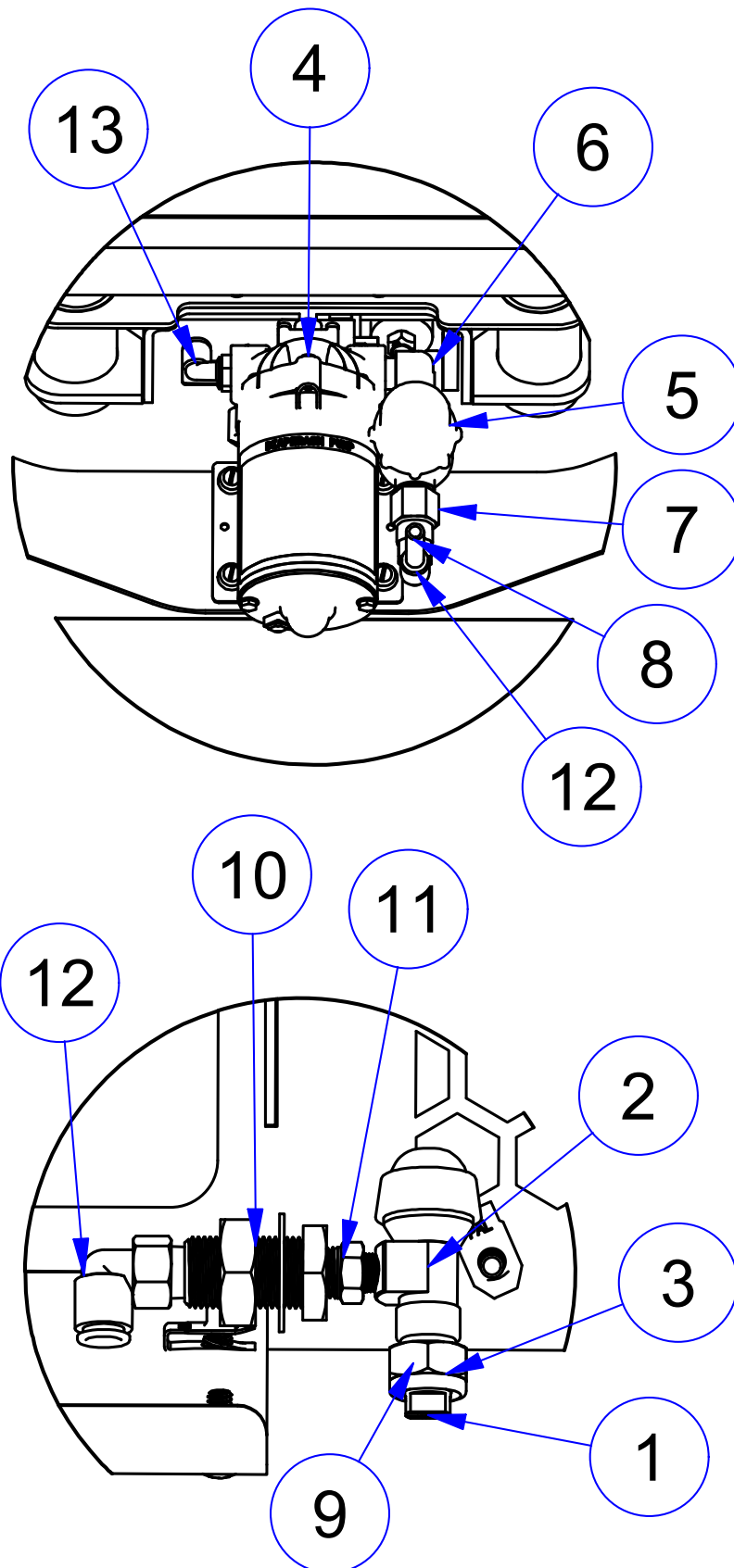
Pitch Control (070570 - Current) Parts List

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	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061529	ASSEMBLY, CRANK HANDLE AND 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	080552	PITCH TUBE ROD	1

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

Spray System Assembly



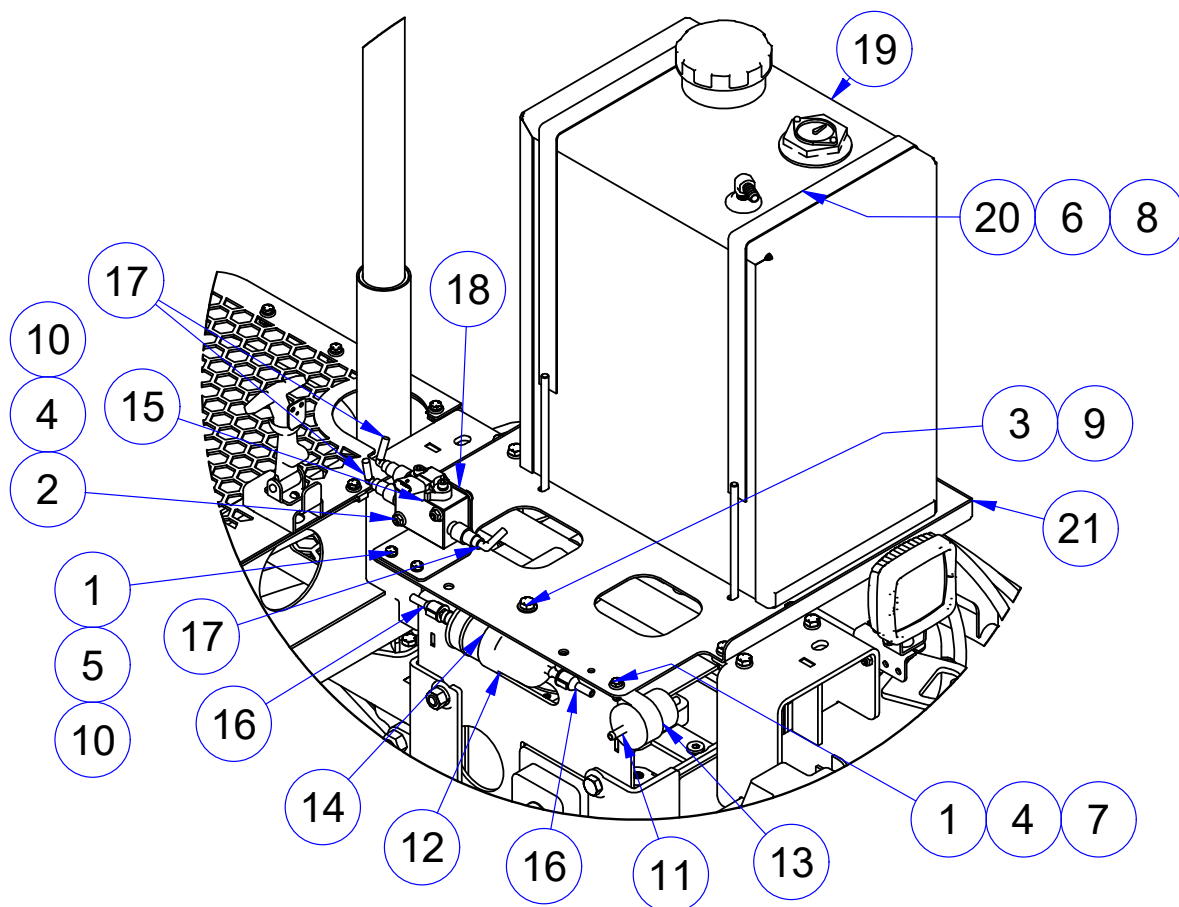
Spray System Parts List

SECTION 1 PARTS

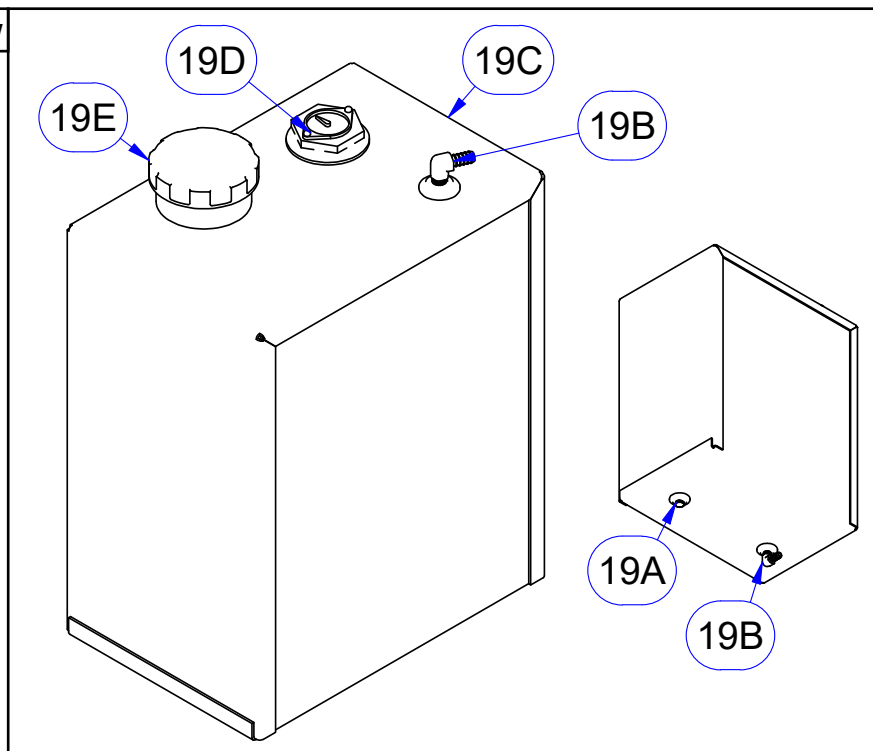
ITEM	PART NO.	DESCRIPTION	QTY
1	012702	SPRAY TIP, FINE	2
2	012704	NOZZLE BODY, CHECK VALVE	2
3	012705	NOZZLE NUT	2
4	033735	PUMP, SPRAY SYSTEM	1
5	040209	FILTER, SPRAY SYSTEM	1
6	040387	FITTING, ELBOW BASS 3/8" NPT	1
7	040388	FITTING, 3/8" X 1/4" REDUCER FEM X FEM	1
8	048246	HOSE, 3/8 X 1/4 ID WATER 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

SECTION 1 PARTS

Fuel System Assembly



075643 Tank Assembly



Fuel System Parts List

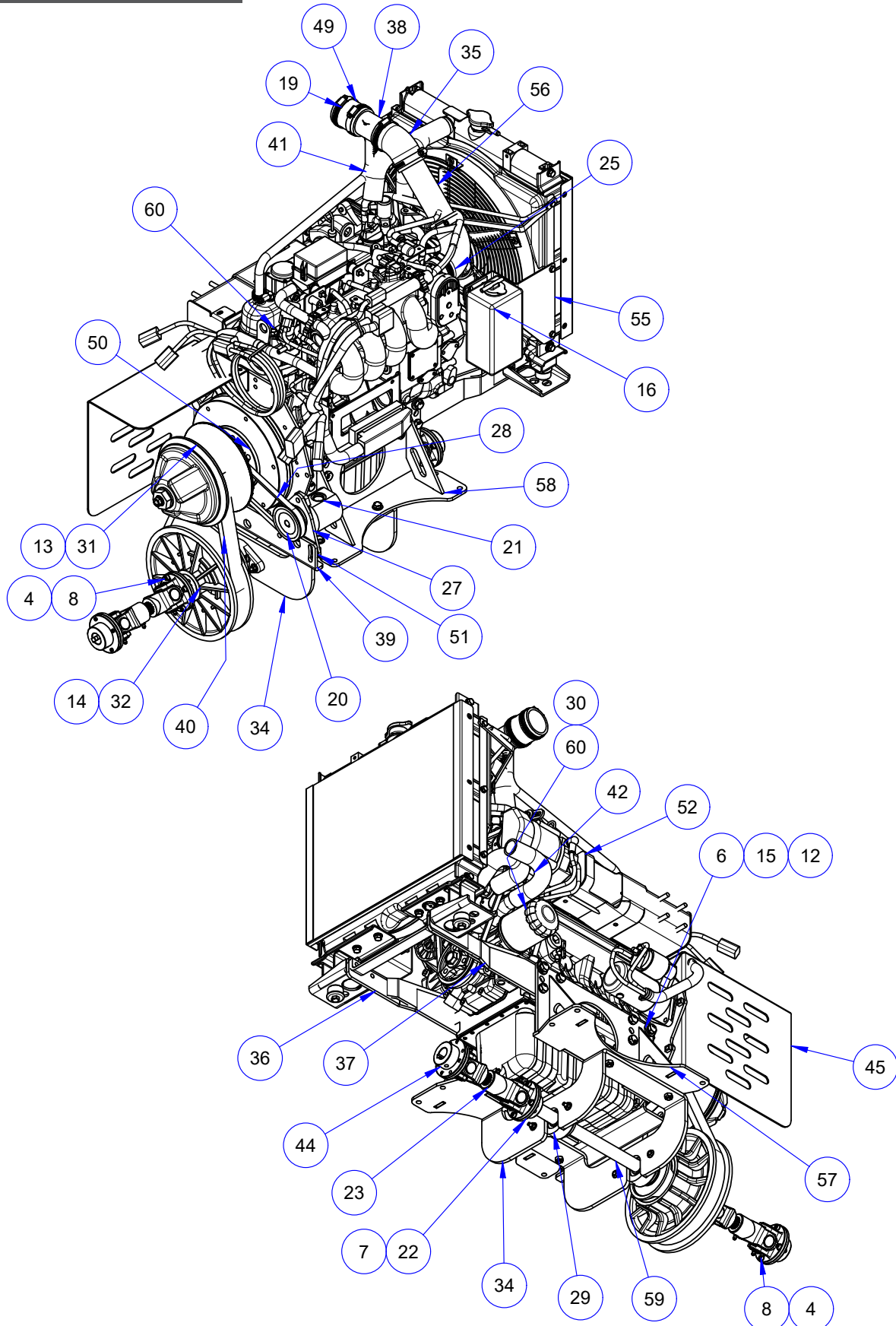
SECTION 1 PARTS

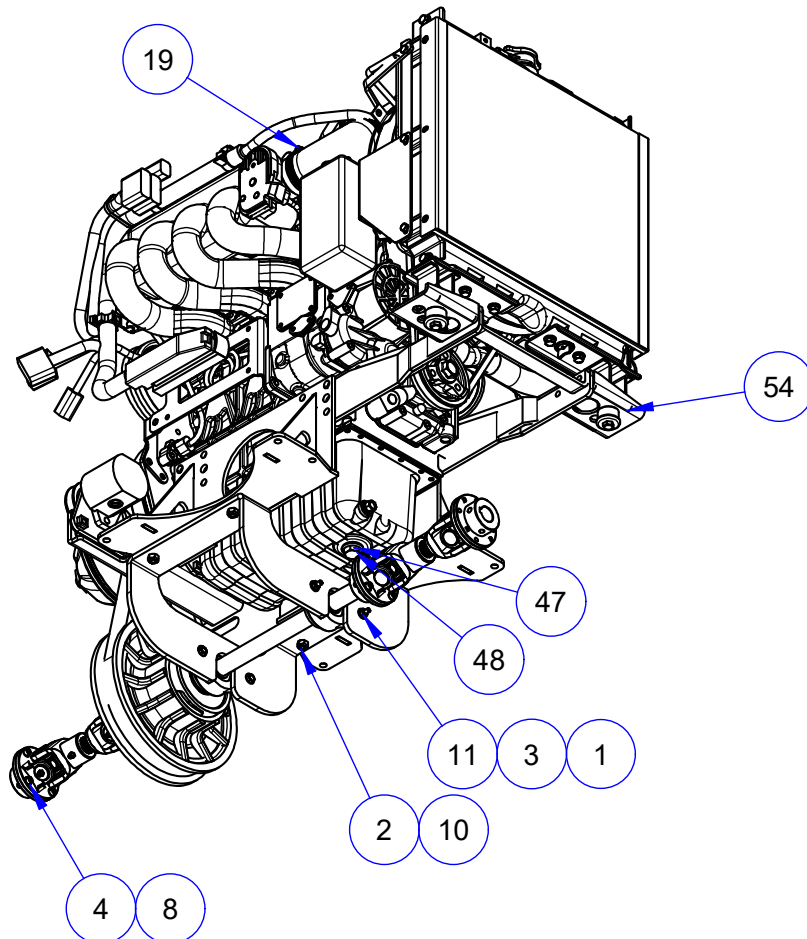
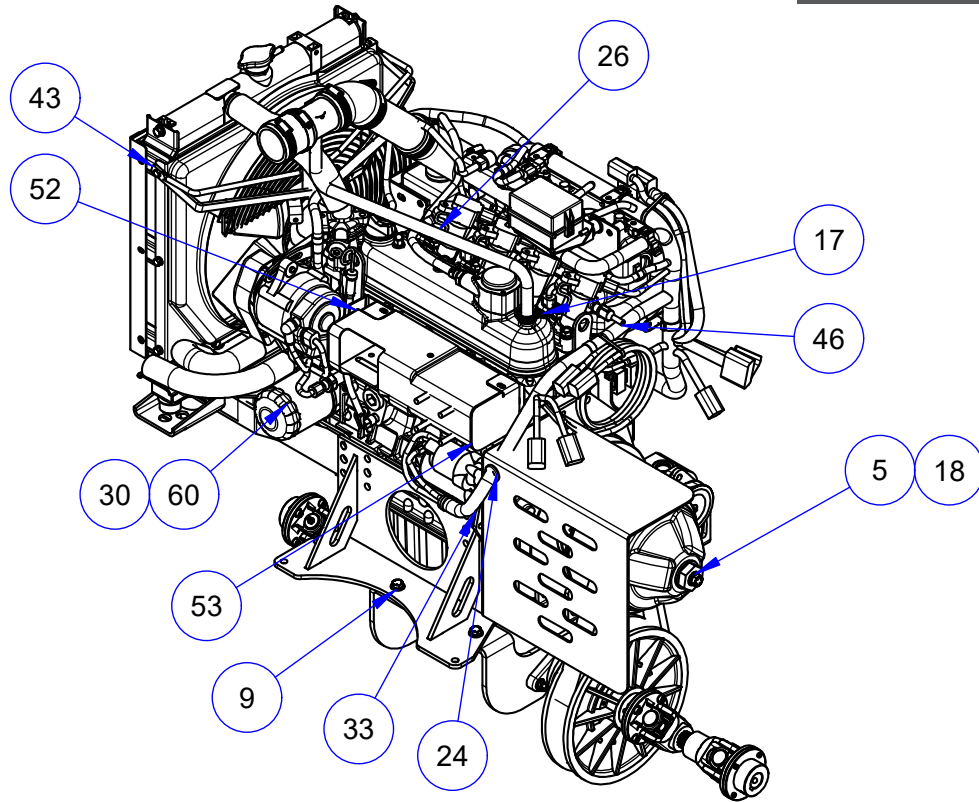
ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4"-20 X 3/4"	29
2	010007	FSTN, HHCS 1/4-20 X 2	2
3	010036	FASTENER, HHCS 3/8"-16 X 1"	11
4	010081	FASTENER, FLAT WASHER 1/4"	28
5	010089	FSTN, LW 1/4	24
6	010090	FASTENER, 5/16" LOCK WASHER	4
7	010098	FASTENER, NUT HEX 1/4"-20	0
8	010100	FASTENER, NUT HEX 5/16"-18	4
9	017751	FASTENER, FLAT WASHER 3/8"	10
10	020542	FSTN, NUT STOVER LOCK 1/4-20	8
11	043920	FUEL FILTER, WG1605 KUBOTA	1
12	067269	FUEL PUMP WG1605 KUBOTA	1
13	067278	CLAMP, LOOP VIB. DAMPING 1 3/4" ID	1
14	067279	CLAMP, LOOP VIB. DAMPING 2" ID	1
15	069231	FUEL MANIFOLD, WG1605 KUBOTA	1
16	069399	CONNECTOR, STRAIGHT FEMALE FUEL	2
17	070607	CONNECTOR, ELBOW FUEL 5/16"	3
18	074017	BRACKET, FUEL MANIFOLD FOR KUBOTA WG1605	1
19	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
20	075649	WELDMENT, STRAP HOLD DOWN FOR 10 GALLON ALUM TANKS	2
21	075651	TRAY, 10 GALLON TANK MOUNT	1

ITEM	PART NO.	DESCRIPTION	QTY
19A	035564	PLUG, 1/4" NPT MALE	1
19B	064876	FITTING, 90 DEGREE ELBOW 3/8" HOSE BARB X 1/4" NPT STAINLESS	2
19C	075644	TANK, 10 GALLON FUEL FOR MSP465/MSP475	1
19D	075652	GAUGE, FUEL FOR 18" TALL TANK	1
19E	077886	CAP, BLACK 3 1/2" W/ 8" TETHER (NON VENT W/ POSITIVE PRESSURE OF 3.5 PSI)	1

SECTION 1 PARTS

Engine Assembly (074402)





SECTION 1 PARTS

Engine Assembly (074402) 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" SQUARE 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, NUT STOVER LOCK 3/8"-16	4
11	020542	FASTENER, NUT STOVER LOCK 1/4"-20	4
12	021072	FASTENER, LOCK WASHER 10MM	16
13	024957	KEY, 1/4" X 1 1/2"	1
14	026992	KEY, 1/4 X 3 1/8" LONG	1
15	037778	FASTENER, HHCS 10MM X 1.25 X 30	16
16	037791	OVERFLOW TANK WITH BRACKET	1
17	038664	#10 HOSE CLAMP	2
18	042280	FASTENER, HHCS 7/16-20 X 4-1/2	1
19	044831	HOSE CLAMP (1-13/16" - 2-3/4")	6
20	046550	PULLEY, 1/2" BORE	1
21	046738	HYDRAULIC PUMP	1
22	047635	U-JOINT HUB, 1" BORE	2
23	047637	ASSEMBLY, U-JOINT TELESOPING	2
24	048959	GROMMET, 1/2" FOR RUBBER HOSE	1
25	049581	ELBOW, 2" ID 90°, RUBBER	1
26	055642	HOSE, LOW PERM FUEL LINE 7/16" I.D.	3FT
27	056912	WELDMENT, HYDRAULIC PUMP MOUNT PLATE	1
28	056922	V BELT, FOR HYDRAULIC PUMP	1
29	064254	BEARING, FLANGE, 1"	2
30	064828	OIL FILTER, ELEMENT FOR WG1605 KUBOTA	1
31	065967	CVT, DRIVER	1
32	066107	PULLEY, DRIVEN	1
33	066118	SPACER PLATE	2
34	066678	BEARING SUPPORT	1
35	066902	ELBOW, 2" ID 45°, RUBBER	1
36	067246	BRACKET, RADIATOR MOUNT RH	1
37	067247	BRACKET, RADIATOR MOUNT LH	1
38	067367	INTAKE HOSE CONNECTOR	1

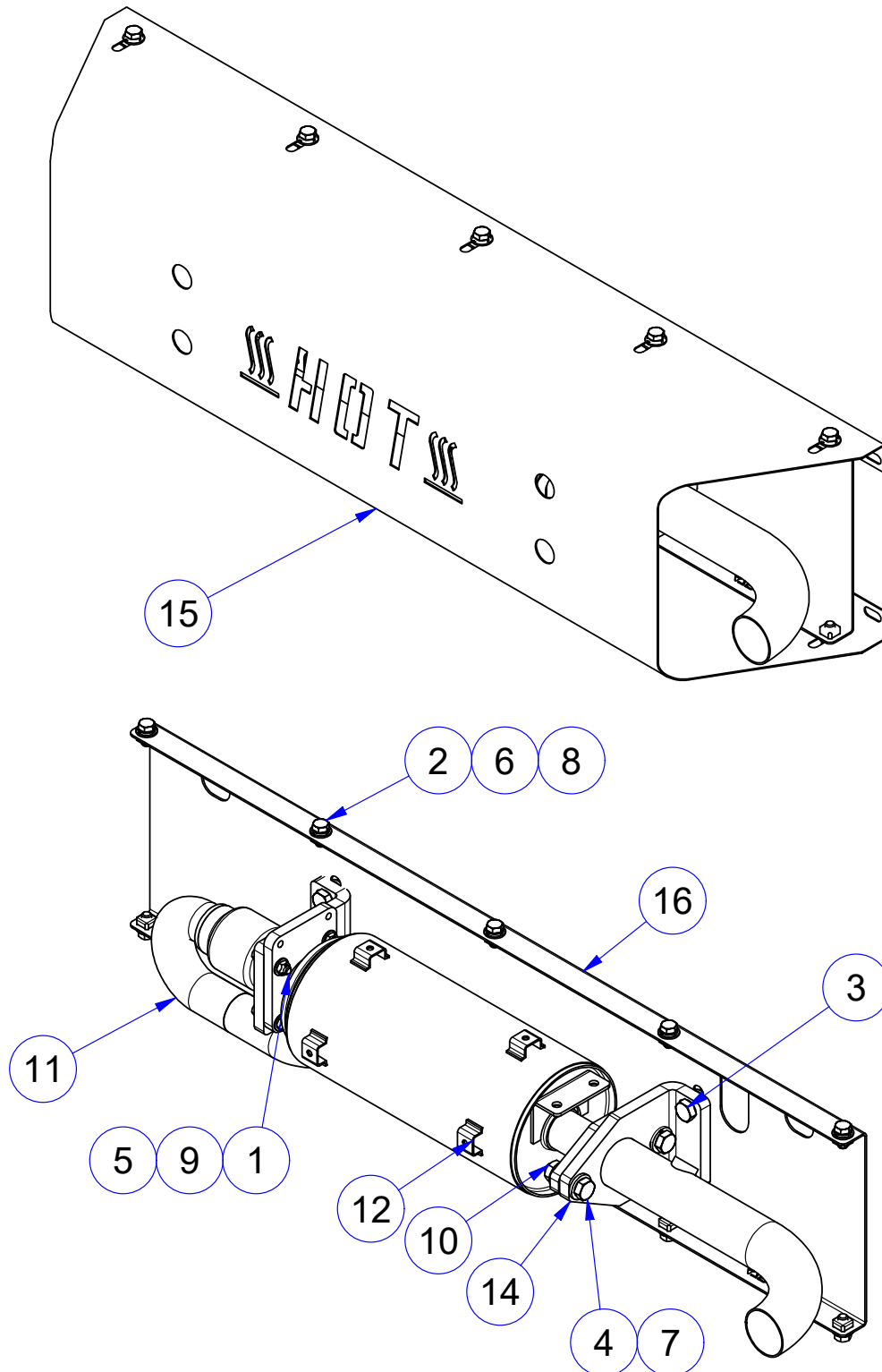
Engine Assembly (074402) Parts List Continued

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
39	067397	BRACKET, MOUNTING, FOR HYDRAULIC PUMP	1
40	067506	BELT, CVT	1
41	067985	TOP RADIATOR HOSE, MODIFIED	1
42	067991	BOTTOM RADIATOR HOSE, MODIFIED	1
43	068317	BRACKET, RADIATOR SUPPORT WG1605 FAN	2
44	068500	U-JOINT HUB, 22mm BORE	2
45	069299	CVT GUARD	1
46	069399	CONNECTOR, FEMALE FUEL	1
47	069654	OIL PLUG, M22X1.5	1
48	069655	GASKET F/ DRAIN PLUG	1
49	069730	CONNECTING SLEEVE 2" ID X 2-1/2"	1
50	071373	STUB SHAFT, W/ PULLEY	1
51	071535	PLATE, SPACER FOR POWER STEER PUMP MSP475	1
52	071538	SHIELD, HEAT FOR WG1605 MANIFOLD /ALTERNATOR	1
53	073818	SHIELD, RH HEAT SHIELD FOR WG1605 MANIFOLD /ALTERNATOR	1
54	074178	BRACKET, RADIATOR SUPPORT FOR KUBOTA WG1605	2
55	074181	BRACKET, FOR COOLANT RECOVERY BOTTLE	1
56	075199	TUBE, INTAKE	1
57	075217	WELDMENT, ENGINE MOUNT, REAR	1
58	075218	WELDMENT, ENGINE MOUNT, FRONT	1
59	075219	DRIVE SHAFT	1
60	076294	ENGINE, WG1605	1

SECTION 1 PARTS

Exhaust Assembly (077701)



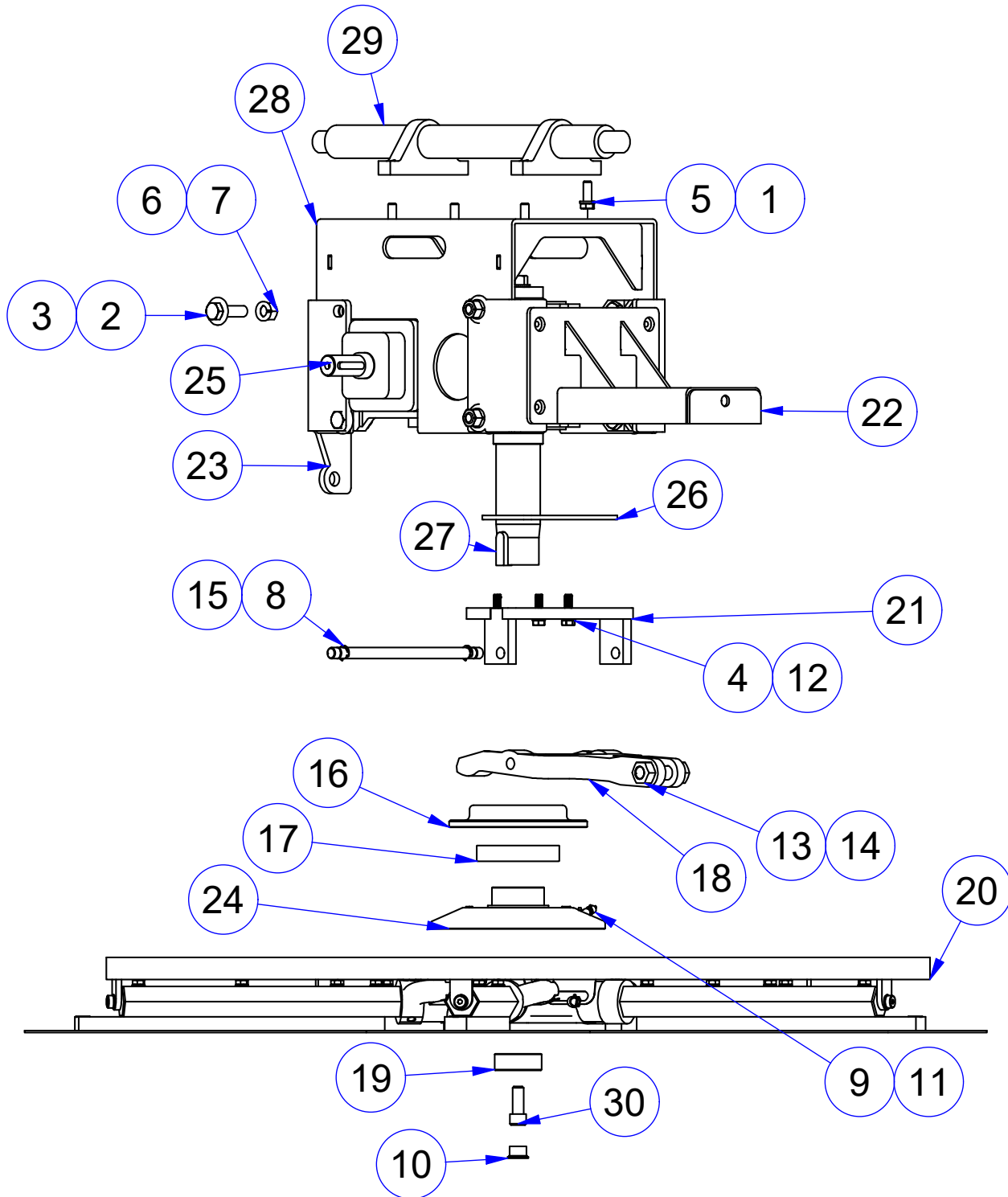
Exhaust Assembly (077701) Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010022	FASTENER, HHCS 5/16"-18 X 1-1/2"	4
2	010035	FASTENER, HHCS 3/8"-16 X 3/4"	10
3	010068	FASTENER, HHCS 1/2"-13 X 1-1/4"	4
4	010070	FASTENER, HHCS 1/2"-13 X 1-3/4"	2
5	010082	FASTENER, FLAT WASHER 5/16"	8
6	010091	FASTENER, LOCK WASHER 3/8"	10
7	011490	FASTENER, FLAT WASHER 1/2"	8
8	017751	FASTENER, FLAT WASHER 3/8"	10
9	040004	FASTENER, 5/16"-18 STOVER HEX NUT	4
10	040208	FASTENER, 1/2"-13 STOVER HEX NUT	6
11	066344	EXHAUST INLET	1
12	069619	CAT MUFFLER F/ WG1605 KUBOTA	1
13	071369	EXHAUST WRAP 2" WIDE	1
14	074363	WELDMENT, TAIL PIPE	1
15	075251	MUFFLER SHIELD	1
16	075252	WELDMENT, EXHAUST SUPPORT PANEL	1

SECTION 1 PARTS

Rotor Assembly - Left Hand (074405)



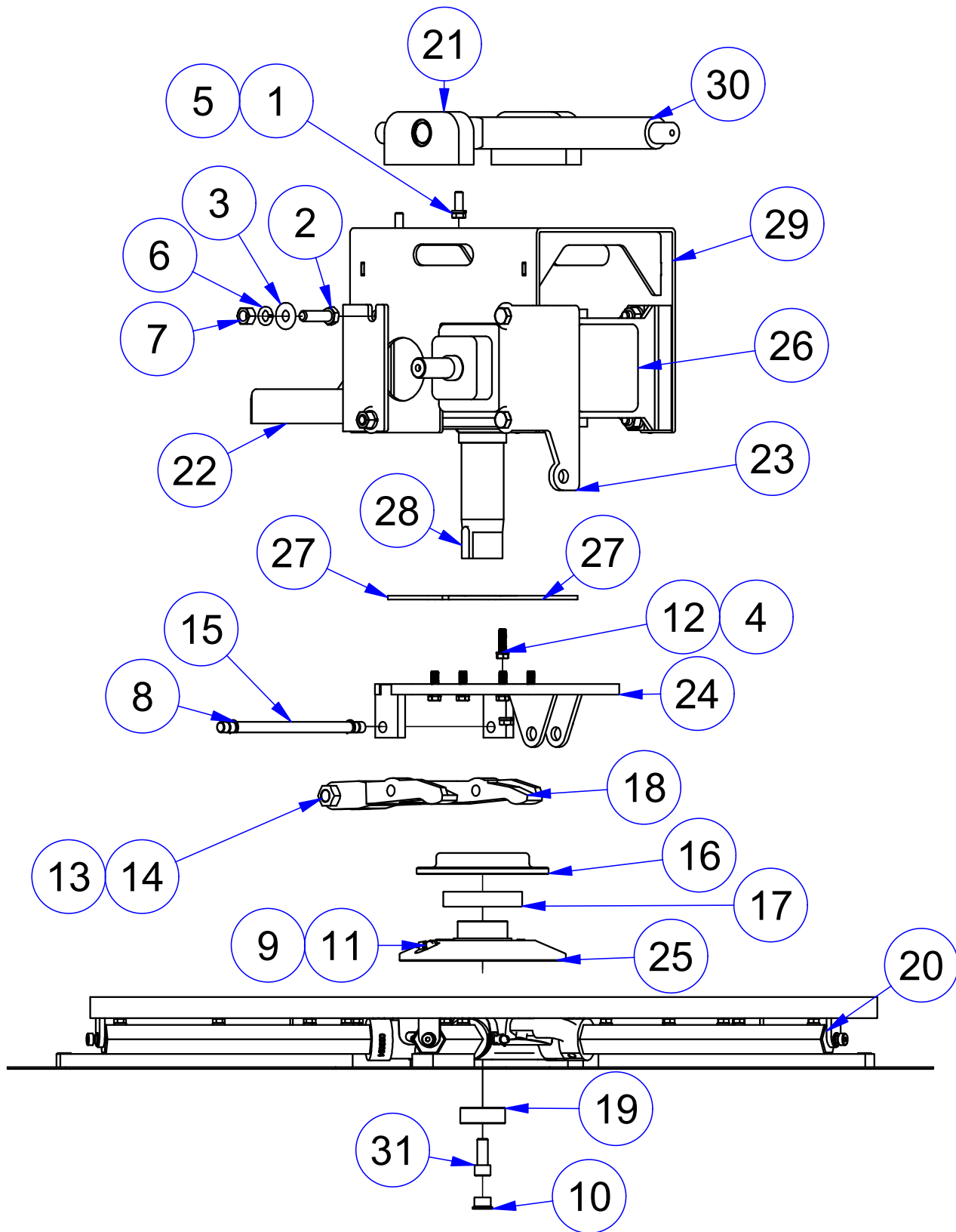
Rotor Assembly - Left Hand (074405) Parts List

SECTION 1 PARTS

ITEM	PART NO.	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, HEX NUT 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, GREASE 1/4"-28 NPT 45°	1
12	037820	FASTENER, HHCS 8MM x 1.25 x 30MM	4
13	043269	FASTENER, STOVER NUT 5/8"-18	1
14	047354	FASTENER, HHCS 5/8"-18x2-1/4"	1
15	048628	PIN, YOKE ARM	1
16	049599	BEARING CAP	1
17	049697	BEARING THRUST	1
18	049698	PITCH YOKE ARM	1
19	049708	RETAINING WASHER	1
20	060543	ASSEMBLY, SPIDER LH	1
21	065231	WELDMENT, BRACKET FOR GEARBOX	1
22	066302	WELDMENT, BRACKET FOR PITCH CONTROL TUBE	1
23	066318	BRACKET, STEERING CYLINDER MOUNT LH	1
24	067589	PRESSURE PLATE	1
25	068161	ASSEMBLY, LH GEARBOX	1
26	069653	BRACKET, SHIM FOR GEARBOX	1
27	071406	KEY, ROTOR SHAFT	1
28	074183	WELDMENT, LH/RH GEARBOX HOUSING	1
29	074186	WELDMENT, 2-WAY CROSSHEAD	1
30	079363	FASTENER, SHCS 1/2"-13 X 1-1/4" RH	1

SECTION 1 PARTS

Rotor Assembly - Right Hand (074406)



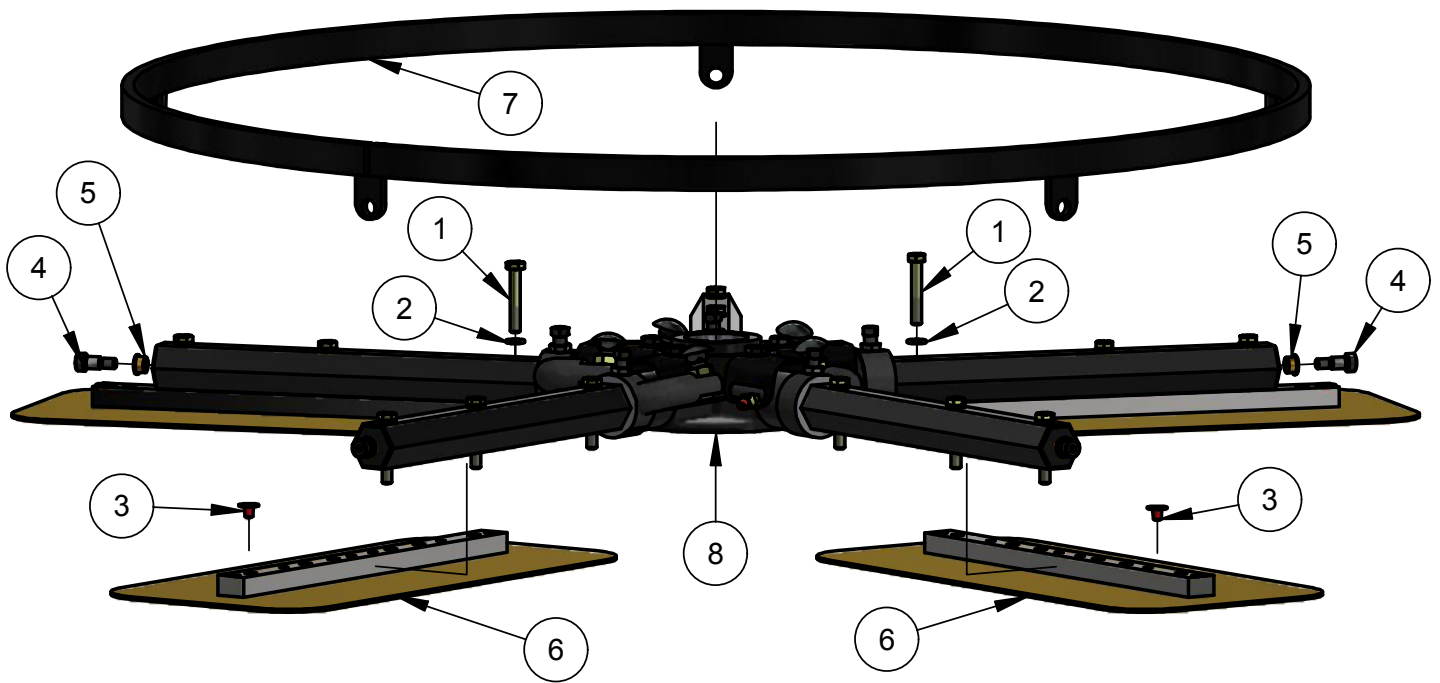
Rotor Assembly - Right Hand (074406) Parts List

SECTION 1 PARTS

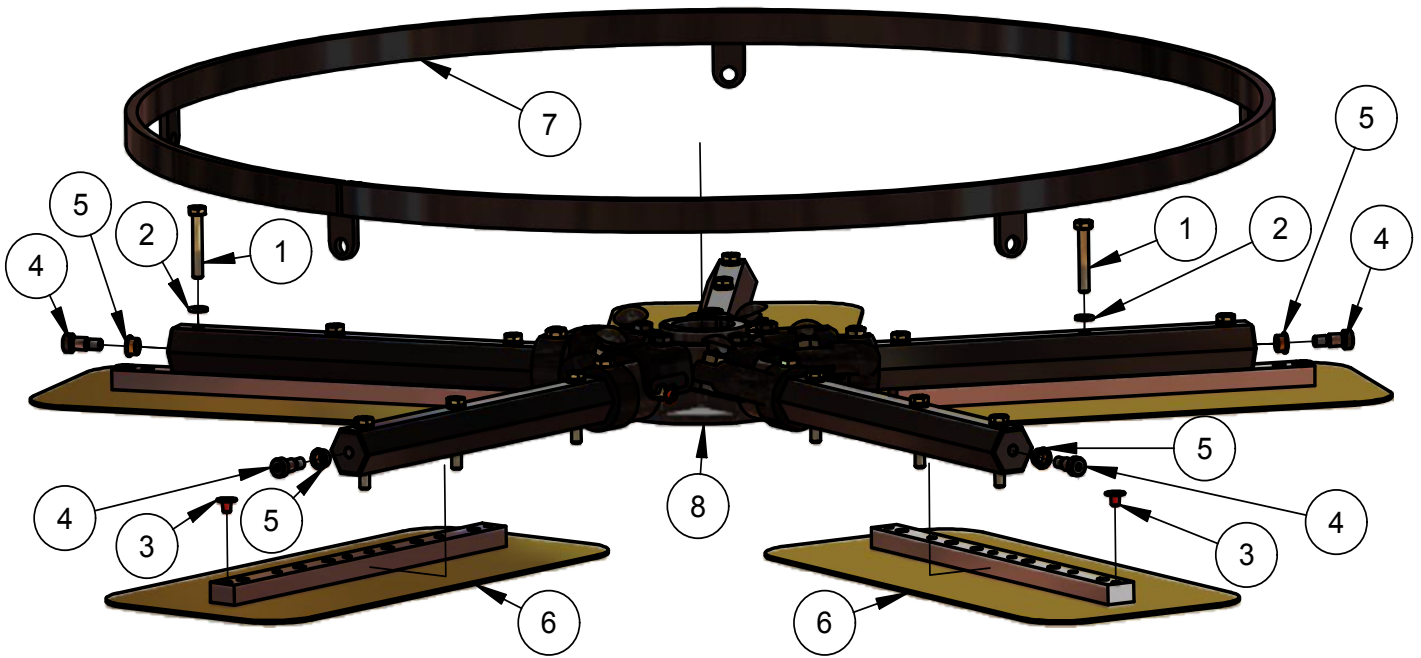
ITEM	PART NO.	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8-16 X 1	4
2	010070	FASTENER, HHCS 1/2-13 X 1-3/4	8
3	010085	FASTENER, FW 1/2 GR8	8
4	010090	FASTENER, LW 5/16	8
5	010091	FASTENER, LW 3/8	4
6	010093	FASTENER, LW 1/2	8
7	010106	FASTENER, NUT HEX 1/2-13	8
8	015677	RING, Ø7/16 E-STYLE RETAINING	2
9	015692	CAP, Ø1/4 RED GREASE	1
10	015693	PLUG, PLASTIC CAP	1
11	018510	FITTING, 1/4-28 NPT 45° GREASE	1
12	037820	FASTENER, HHCS 8MM X 1.25 X 30MM	8
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	BEARING CAP	1
17	049697	BEARING, THRUST FOR SPIDER ASSEMBLY	1
18	049698	PITCH YOKE ARM	1
19	049708	WASHER, HD RETAINING	1
20	060544	SPIDER ASSEMBLY, RH MSP 465/475	1
21	064260	ASSEMBLY, BEARING BLOCK WITH BRONZE BEARING	2
22	066302	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
23	066304	BRACKET, CYLINDER MOUNT RH	1
24	066305	BRACKET, FOR GEARBOX	1
25	067589	PRESSURE PLATE	1
26	068160	GEARBOX, RH ASSEMBLY WITH 2" SHAFT	1
27	069653	SHIM F/ GEARBOX BRKT	2
28	071406	KEY, ROTOR SHAFT	1
29	074183	WELDMENT, LH/RH GEARBOX HOUSING FOR MSP465/475	1
30	074198	WELDMENT, 4-WAY CROSSHEAD FOR MSP465	1
31	079364	FASTENER, SHCS 1/2-13 X 1-1/4 LH	1

SECTION 1 PARTS

Lower Rotor Assembly - Left Hand (060543)



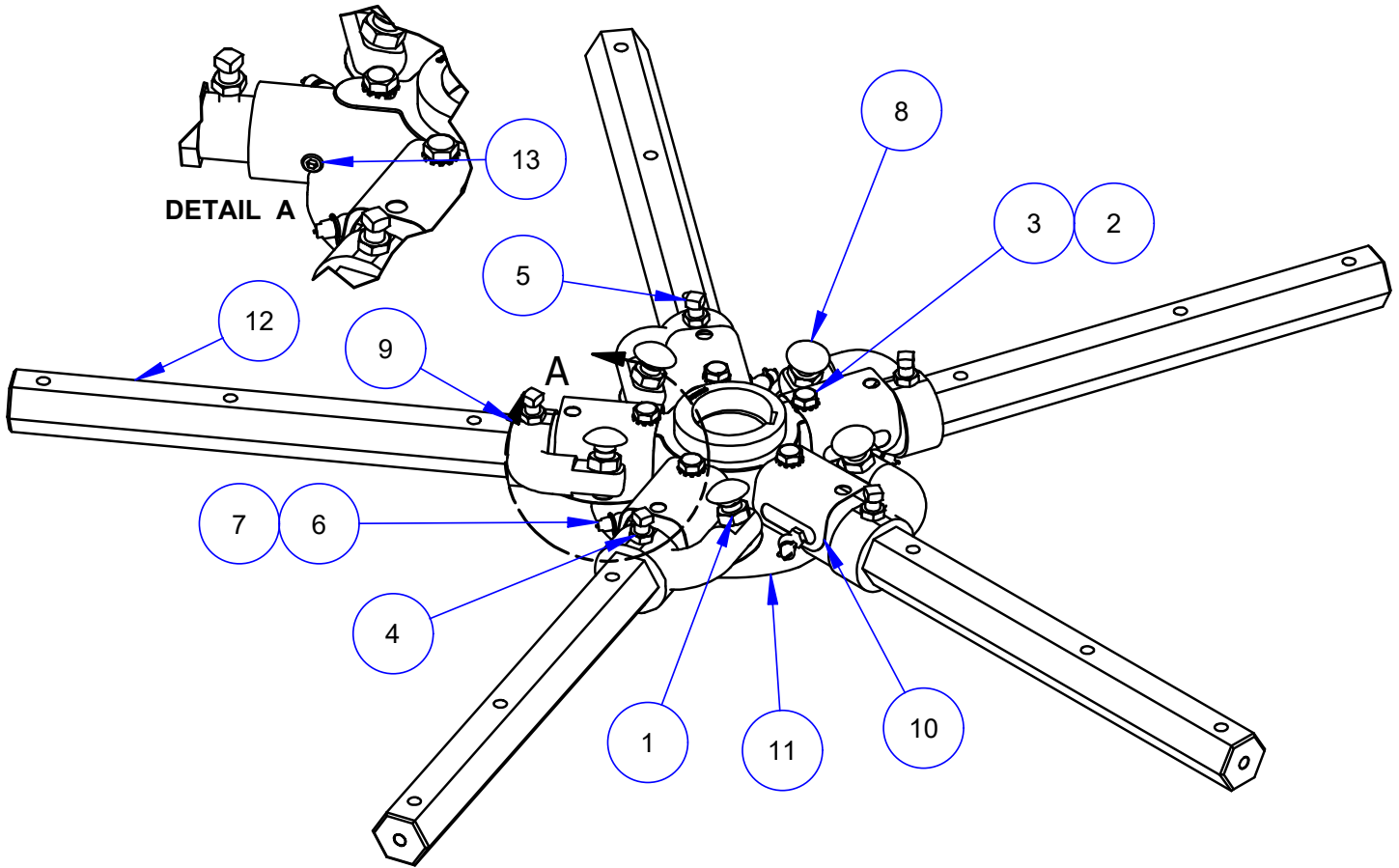
ITEM	PART #	DESCRIPTION	QTY
1	010024	FASTENER, BOLT, HHCS, 5/16"-18 X 2"	15
2	010090	FASTENER, WASHER, LOCK, 5/16"	15
3	015694	PLUG, W-1, RED, PLASTIC, TAPERED	5
4	025091	FASTENER, BOLT, SHOULDER, 3/8" X 1/2"	5
5	025092	BUSHING, BRONZE, 3/8" X 1/2" X 5/16"	5
6	028778V	BLADE, FLAT FINISH, 8" X 17", GOLD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



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, 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 (067587)



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

SECTION 1

PARTS

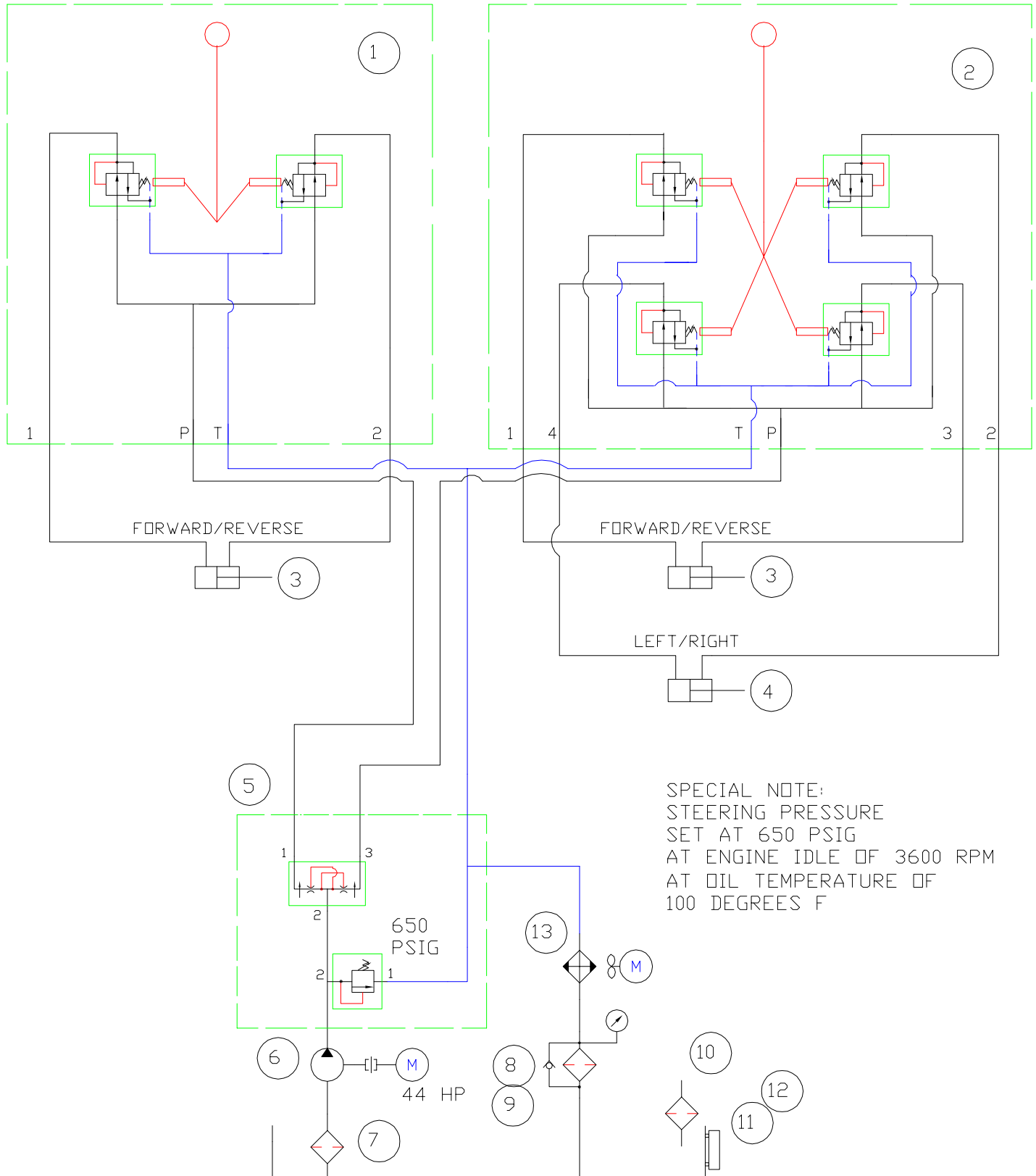
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SECTION 1 PARTS

Hydraulic Steering Schematic

LEFT HAND JOYSTICK
STEERING CONTROL

RIGHT HAND JOYSTICK
STEERING CONTROL



BILL OF MATERIAL - MSP475 HYDRAULIC SYSTEM COMPONENTS

ITEM #	AEC PART #	DESCRIPTION	QTY
-	069747	KIT, COMPONENT, HYDRAULIC, MSP475	1
1	064817	JOYSTICK, SINGLE AXIS	1
2	064818	JOYSTICK, DUAL AXIS	1
3	048661	CYLINDER, STEERING, FORWARD/REVERSE	2
4	048660	CYLINDER, STEERING, LEFT/RIGHT	1
5	046735	MANIFOLD, STEERING	1
6	046738	PUMP, GEAR	1
7	046732	STRAINER, SUCTION	1
8	049978	FILTER, RETURN LINE	1
9	046241	GAUGE, FILTER	1
10	FI0350	BREATHER / DIP STICK	1
11	052929	INDICATOR, SIGHT LEVEL	1
12	045948	PLUG, MAGNETIC TANK	1
13	052930	COOLER, AIR / OIL	1
14	063341	CONTROLLER, FOOT PEDAL	1
15	059525	ROCKER SWITCH	1
16	076973	ELECTRONIC FOOT PEDAL	1
17	069748	KIT, FITTING, HYDRAULIC, MSP475	1
18	069749	KIT, HOSE, HYDRAULIC, MSP475	1

SECTION 1 PARTS

Hydraulic Fitting Kit / Hose Kits

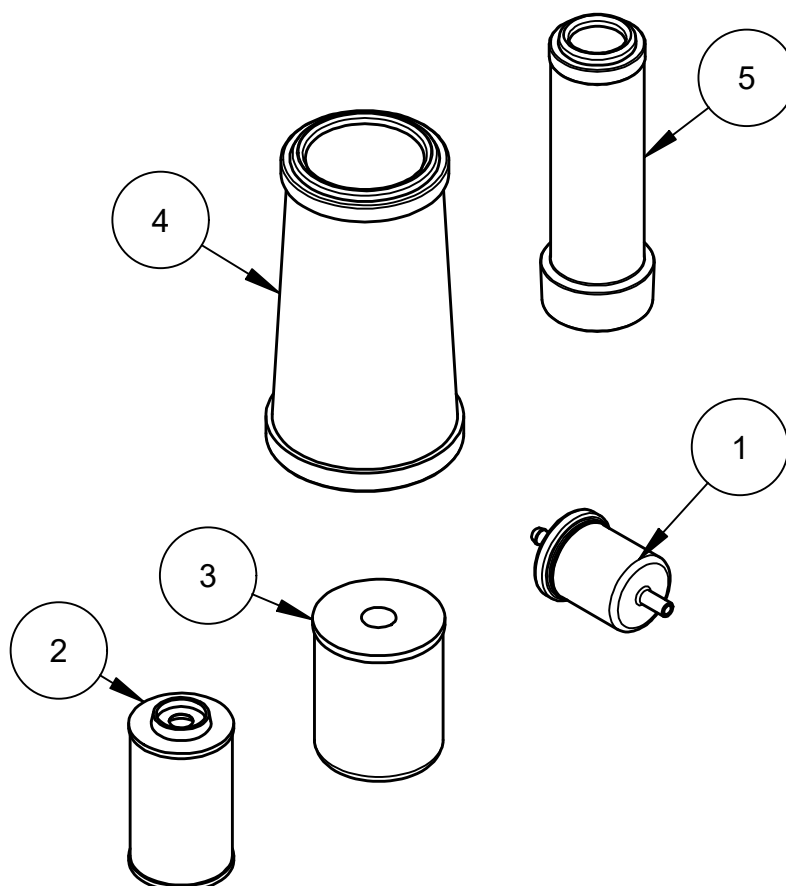
KIT - MSP475 HYDRAULIC SYSTEM FITTING

ITEM #	AEC PART #	DESCRIPTION	QTY
-	069748	KIT, FITTING, HYDRAULIC, MSP475	1
1	045922	FITTING, STRAIGHT THREAD CONNECTOR	8
2	045915	FITTING, HYDRAULIC	3
3	045921	FITTING, STRAIGHT THREAD CONNECTOR	2
4	047518	FITTING, ML CONNECTOR	1
5	049058	FITTING, ELBOW, 90°, MALE	1
6	045928	FITTING, STRAIGHT THREAD CONNECTOR	8
7	046777	FITTING, STRAIGHT THREAD CONNECTOR	2
8	052889	FITTING, MALE JIC X MALE BSPP/WC WASHER AND O-RING	2
9	043476	FITTING, TEST POINT	1
10	046362	FITTING, 90° ELBOW	1

KIT - MSP475 HYDRAULIC SYSTEM HOSES

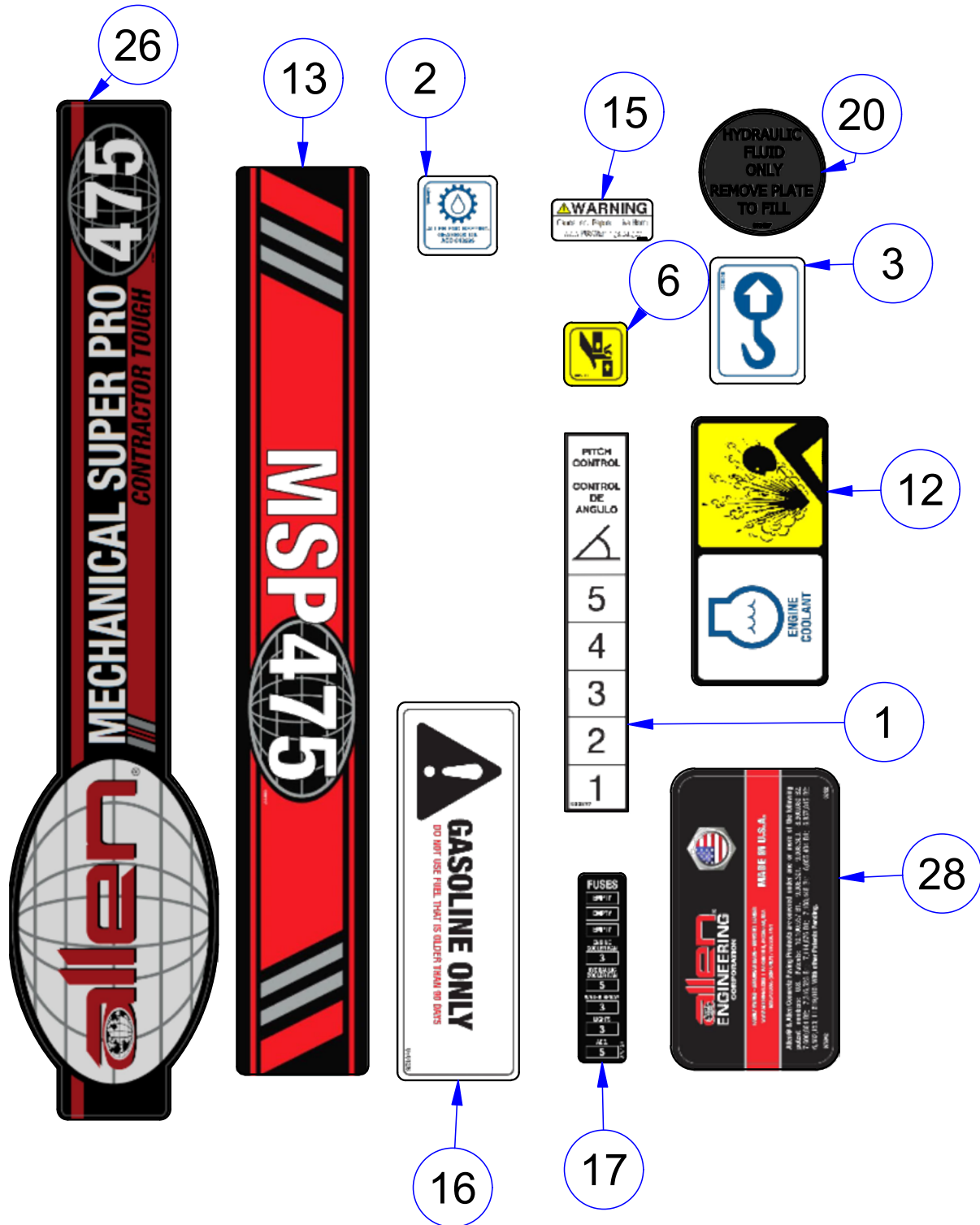
HOSE #	PART #	CUT LENGTH (IN)	CONNECTION DETAIL	QTY
-	077819	-	KIT, HOSE, HYDRAULIC, MSP475	1
1	HS-475X-1	45	FRONT/REAR FOR LEFT / RIGHT JOYSTICK STEERING	4
2	HS-475X-2	62	P PORT LEFT HAND JOYSTICK TO MANIFOLD	1
3	HS-475X-3	33	P PORT RIGHT HAND JOYSTICK TO MANIFOLD	1
4	HS-475X-4	58	LEFT HAND FOR RIGHT HAND JOYSTICK STEERING	2
5	HS-475X-5	33	RIGHT HAND JOYSTICK TO T1 MANIFOLD	1
6	HS-475X-6	66	LEFT HAND JOYSTICK TO T1 MANIFOLD	1
7	HS-475X-7	40	AUXILIARY PUMP OUT TO MANIFOLD P PORT	1
8	HS-475X-8	29	COOLER TO T2 MANIFOLD	1
9	HS-475X-9	27	COOLER TO RETURN FILTER	1
10	HS-475X-10	14	AUXILIARY PUMP SUCTION TO TANK	1

Note: Illustrations are for reference only



ITEM	PART NO.	DESCRIPTION	QTY
1	043920	FILTER, FUEL IN-LINE FOR WG1605 KUBOTA	1
2	061528	FILTER, HYDRAULIC ELEMENT	1
3	064828	FILTER, ENGINE OIL ELEMENT FOR WG1605 KUBOTA	1
4	069428	FILTER, AIR PRIMARY ELEMENT FOR WG1605 KUBOTA	1
5	069429	FILTER, AIR SAFETY ELEMENT FOR WG1605 KUBOTA	1

SECTION 2: DECALS



SECTION 2 DECALS

Decals - (Kit #: 074343)

ITEM	PART #	DESCRIPTION	QTY
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	066067	HYDRAULIC FLUID	1
8	066068	HAND TOOL	1
9	066083	RH JOYSTICK 2 DIRECTION CONTROL	1
10	066103	GREASE PRESSURE PLATES DAILY	2
11	068459	TIE DOWN	4
12	069113	COOLANT WARNING	1
13	069117	MSP475 SIDE DECAL	2
14	069119	LEFT STEERING	1
15	069225	PROPOSITION 65	2
16	070126	GAS ONLY	1
17	070127	FUSE BLOCK	1
18	070402	HIGH PRESSURE WARNING	1
19	071102	EPA LABEL	1
20	073457	HYDRAULIC FLUID ONLY	1
21	073910	RETARDANT CAP, BLUE	1
22	074284	GREASING OF U-JOINTS	1
23	074318	ENGINE DIAGNOSTICS AND LIGHTS	1
24	074319	ENGINE ON/OFF	1
25	075069	RIGHT STEERING	1
26	075083	FRONT SCREEN, MSP475	1
27	075276	MADE IN AMERICA	1
28	076042	MASTER PATENT LIST	1
29	077887	GASOLINE ONLY	1
-	075174	QR CODE (NOT SHOWN)	1
-	035635	FUSE BOX INSIDE (NOT SHOWN)	1



SECTION 2 DECALS

Decals - (Kit #: 074343)

ITEM	PART #	DESCRIPTION	QTY
-	074343	KIT, DECAL FOR MSP475	-
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	066067	HYDRAULIC FLUID	1
8	066068	HAND TOOL	1
9	066083	RH JOYSTICK 2 DIRECTION CONTROL	1
10	066103	GREASE PRESSURE PLATES DAILY	2
11	068459	TIE DOWN	4
12	069113	COOLANT WARNING	1
13	069117	MSP475 SIDE DECAL	2
14	069119	LEFT STEERING	1
15	069225	PROPOSITION 65	2
16	070126	GAS ONLY	1
17	070127	FUSE BLOCK	1
18	070402	HIGH PRESSURE WARNING	1
19	071102	EPA LABEL	1
20	073457	HYDRAULIC FLUID ONLY	1
21	073910	RETARDANT CAP, BLUE	1
22	074284	GREASING OF U-JOINTS	1
23	074318	ENGINE DIAGNOSTICS AND LIGHTS	1
24	074319	ENGINE ON/OFF	1
25	075069	RIGHT STEERING	1
26	075083	FRONT SCREEN, MSP475	1
27	075276	MADE IN AMERICA	1
28	076042	MASTER PATENT LIST	1
29	077887	GASOLINE ONLY	1
-	075174	QR CODE (NOT SHOWN)	1
-	035635	FUSE BOX INSIDE (NOT SHOWN)	1

Revision Detail

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	11/19	Initial Release	MW
A	02/21	MN 21-003	MW
B	11/23	Design Update	MK
C	2/24	MN 24-064, 24-061	MK
D	10/24	24-505, 24-517, 24-526, 24-531, 24-543	MK
E	01/25	25-047 QTY Correction	MK
F	03/25	25-183, PG 15 Rod end PN and note	MK
G	10/25	Added Service Parts (Filters) Page	MK
H	11/25	Updated Illustrations and Parts List	IPR

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AEC FACTORY & HEADQUARTERS

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

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