

RIDING TROWEL

MSP475



PARTS & DECALS MANUAL

Manual Part #: 069599P | Revision: C
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:

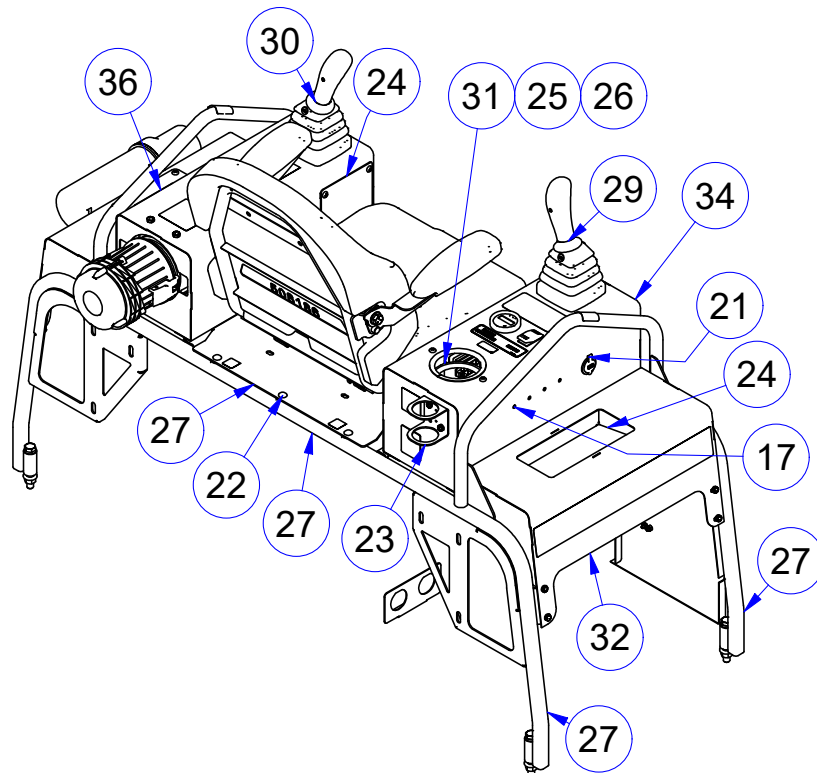
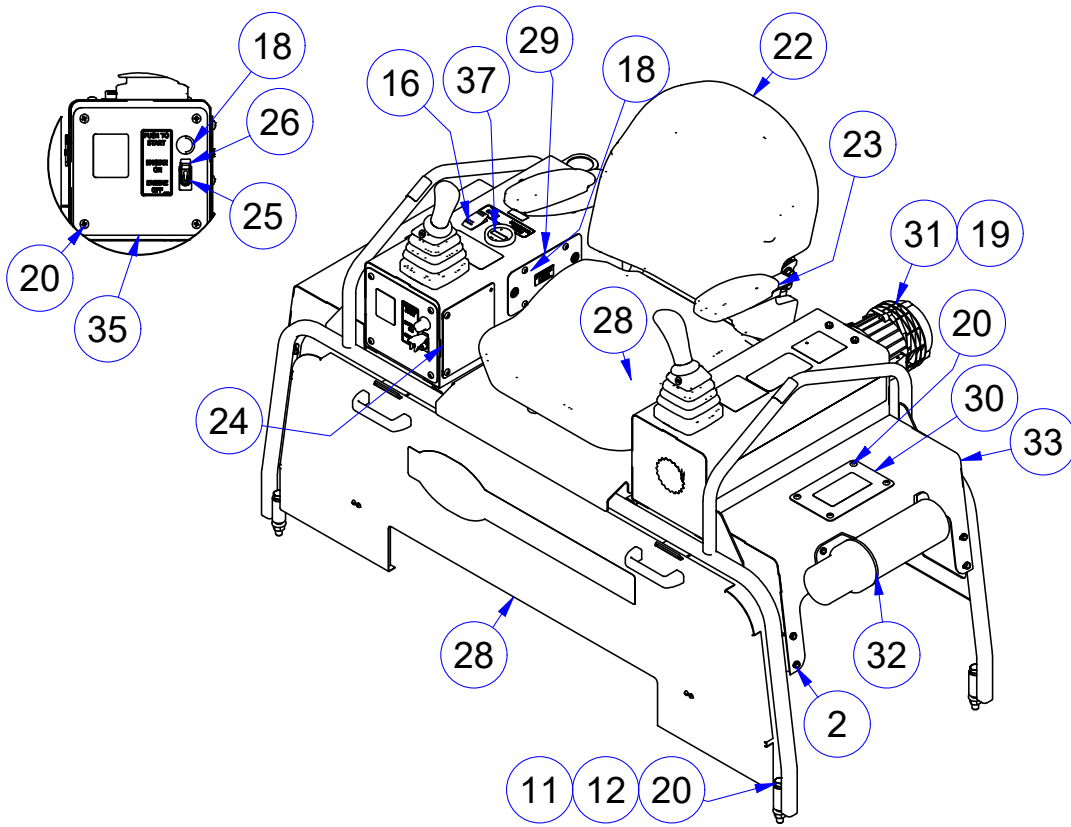
1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO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

Seat Frame Assembly



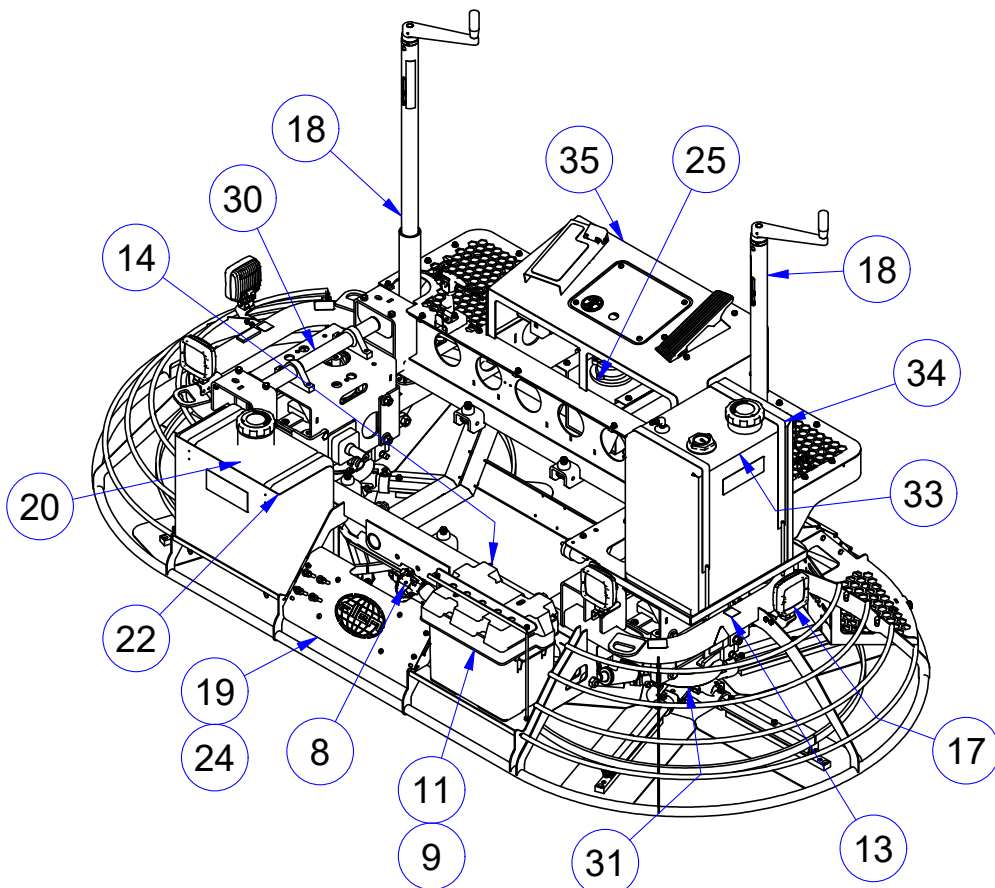
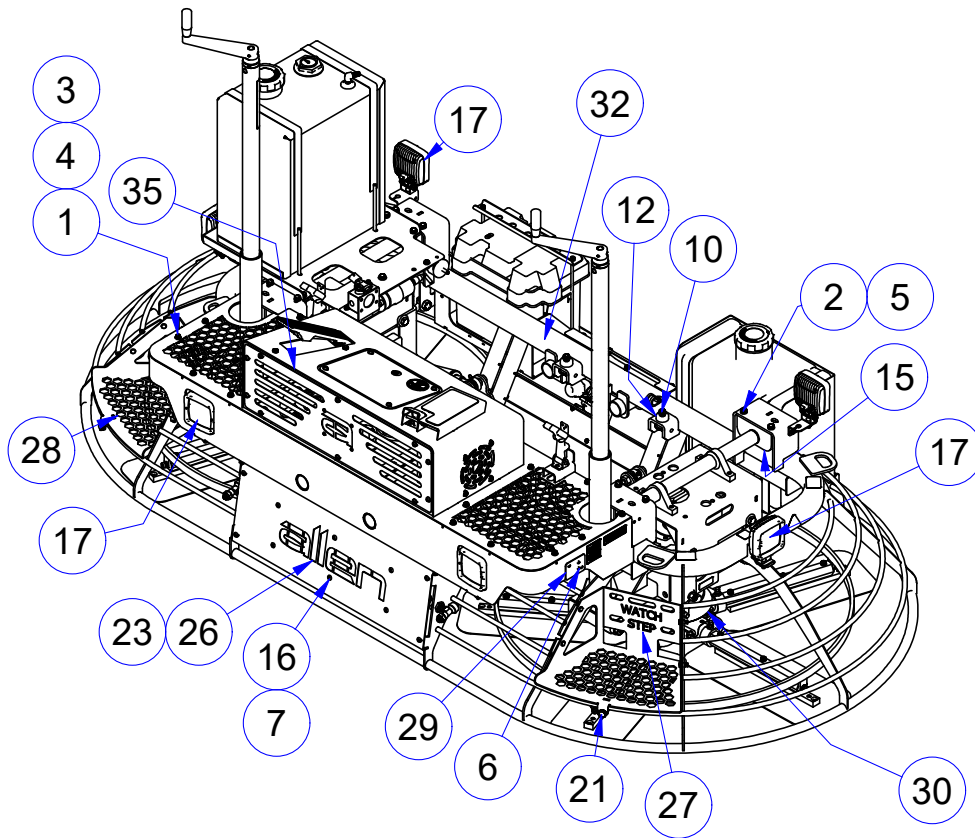
Seat Frame Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074403	ASSEMBLY, SEAT FRAME, MSP475	-
1	010002	FASTENER, HHCS 1/4"-20 X 1/2"	19
2	010106	FASTENER, HEX NUT 1/2"-13	4
3	011490	FASTENER, FLAT WASHER 1/2"	4
4	032125	ROCKER SWITCH	1
5	034716	12V RELAY 30/50 A	3
6	038965	FUSE BLOCK	1
7	045855	FASTENER, HHCS 1/2"-13 X 3-1/2"	4
8	047665	RUBBER BUMPER	3
9	049632	BRACKET, TOOL HOLDER	1
10	050049	ACCESS PANEL	2
11	050603	TOGGLE SWITCH	1
12	050604	COVER F/ TOGGLE SWITCH	1
13	061374	KILL SWITCH F/ SEAT	1
14	064817	RH JOYSTICK	1
15	064818	LH JOYSTICK	1
16	066237	AIR CLEANER	1
17	066255	MANUAL TUBE	1
18	068956	MOMENTARY SWITCH, PUSH BUTTON	1
19	069730	CONNECTING SLEEVE	1
20	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	22
21	069850	USB RECEPTACLE	1
22	069874	SEAT	1
23	069875	ARMREST LH/RH SET	1
24	071106	RUBBER F/ PHONE TRAY	1
25	071123	CUP HOLDER TRIM, TOP SECTION	1
26	071124	CUP HOLDER TRIM, MIDDLE SECTION	1
27	074231	WELDMENT, SEAT FRAME	1
28	074240	ASSEMBLY, FRONT SCREEN	1
29	074243	COVER PANEL F/ FUSE BLOCK	1
30	074244	COVER PANEL F/ COOLANT FILL	1
31	074251	WELDMENT, CUP HOLDER	1
32	074407	WELDMENT, RH COWLING F/ SEAT FRAME	1
33	074408	WELDMENT, LH COWLING F/ SEAT FRAME	1
34	074409	WELDMENT, RH SEAT FRAME PANEL	1
35	074416	PANEL, END CAP	1
36	074420	WELDMENT, LH SEAT FRAME PANEL	1
37	074704	DISPLAY, PV25	1

SECTION 1 PARTS

Main Frame Assembly



Main Frame Assembly Parts List

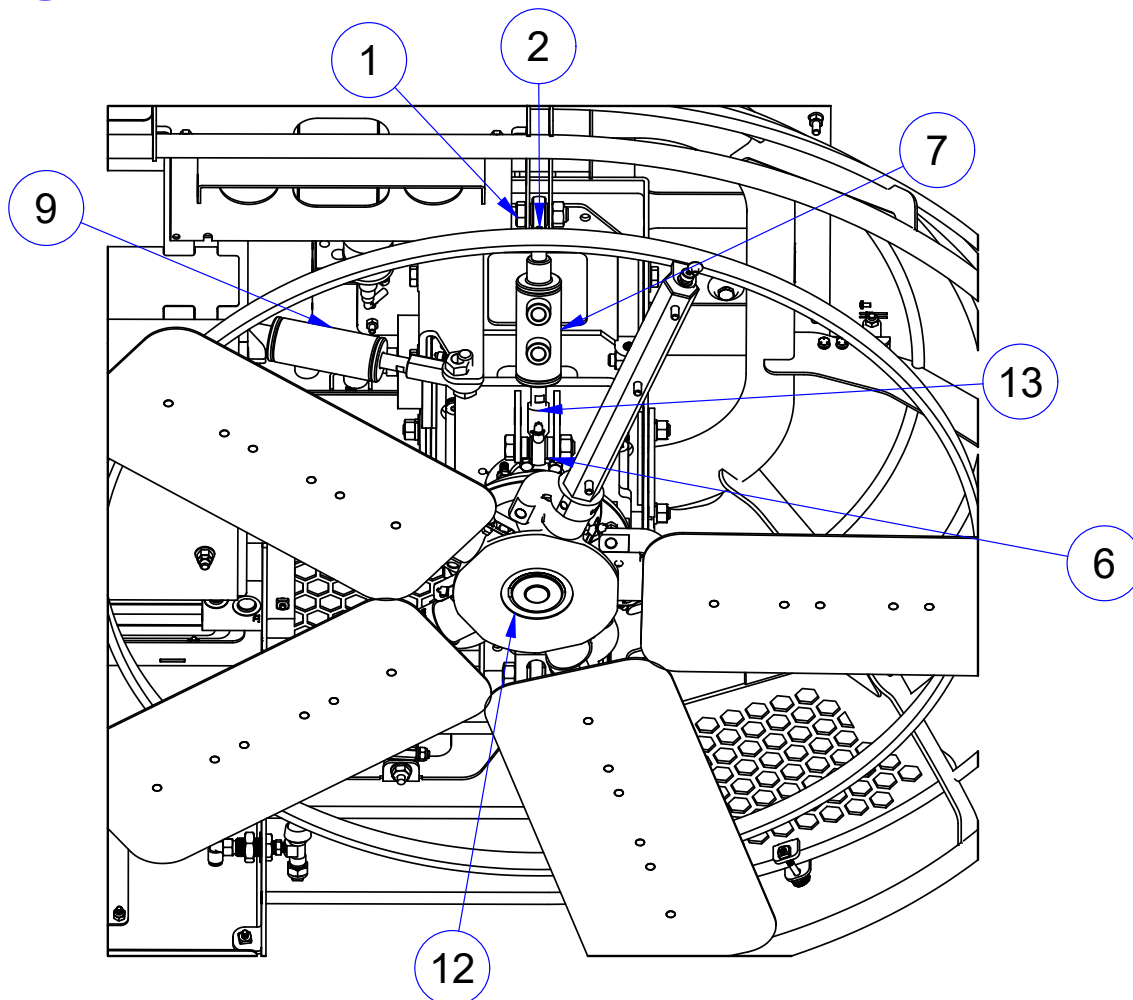
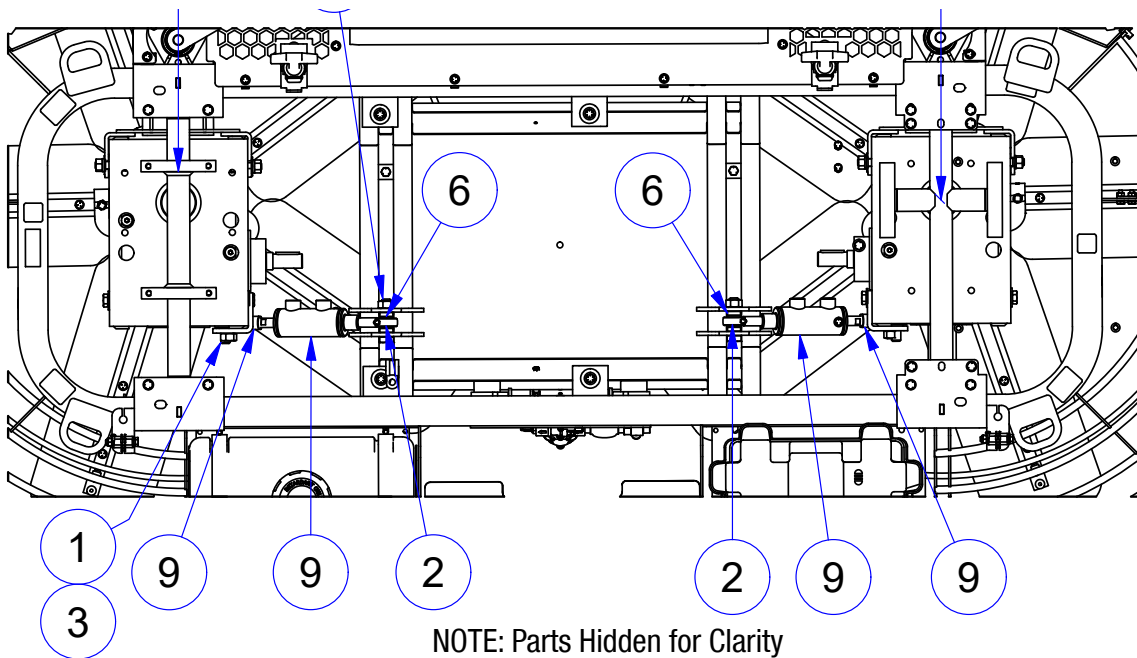
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074401	ASSEMBLY, MAIN FRAME, MSP475	-
1	010002	FASTENER, HHCS 1/4"-20 X 1/2"	33
2	010036	FASTENER, HHCS 3/8"-16 X 1"	13
3	010081	FASTENER, FLAT WASHER 1/4"	23
4	010089	FASTENER, LOCK WASHER 1/4"	28
5	010091	FASTENER, LOCK WASHER 3/8"	12
6	010513	GREASE FITTING, 1/4"-28	2
7	029671	FASTENER, HEX NUT NYLOCK 1/4"-20	16
8	033735	PUMP F/ SPRAY SYSTEM	1
9	037771	BATTERY, 12V	1
10	040637	FASTENER, HHCS 3/8"-16 X 2-1/4"	4
11	046696	BATTERY BOX	1
12	046744	ISOLATOR MOUNT	4
13	048563	CHANNEL, BATTERY HOLD DOWN	1
14	048589	BATTERY HOLD DOWN ROD	2
15	056888	UNDERCARRIAGE PAN	1
16	064260	BEARING ASSEMBLY	4
17	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	18
18	069835	LED LIGHT	6
19	070570	ASSEMBLY, PITCH CONTROL	2
20	071089	REAR CENTER COVER PANEL	1
21	071536	TANK, 7 GAL WATER	1
22	071606	FASTENER, THUMB SCREW 1/4"-20 X 1-3/4"	2
23	072737	WELDMENT, 7 GAL TANK GUARD	1
24	072739	PLATE, BACKER F/ FRONT COVER	1
25	072856	PALTE, BACKER F/ REAR COVER	1
26	073486	ASSEMBLY, HYDRAULIC TANK	1
27	074206	FRONT CENTER COVER PANEL	1
28	074211	WELDMENT, LH STEP	1
29	074214	WELDMENT, RH STEP	1
30	074359	COVER PLATE F/ GREASE PORT	1
31	074405	ASSEMBLY, LH ROTOR	1
32	074406	ASSEMBLY, RH ROTOR	1
33	074410	WELDMENT, MAIN FRAME	1
34	075643	ASSEMBLY, 10 GAL FUEL TANK	1
35	075649	WELDMENT, 10 GAL HOLD DOWN STRAP	2
36	077720	ASSEMBLY, UPPER DECK	1

SECTION 1 PARTS

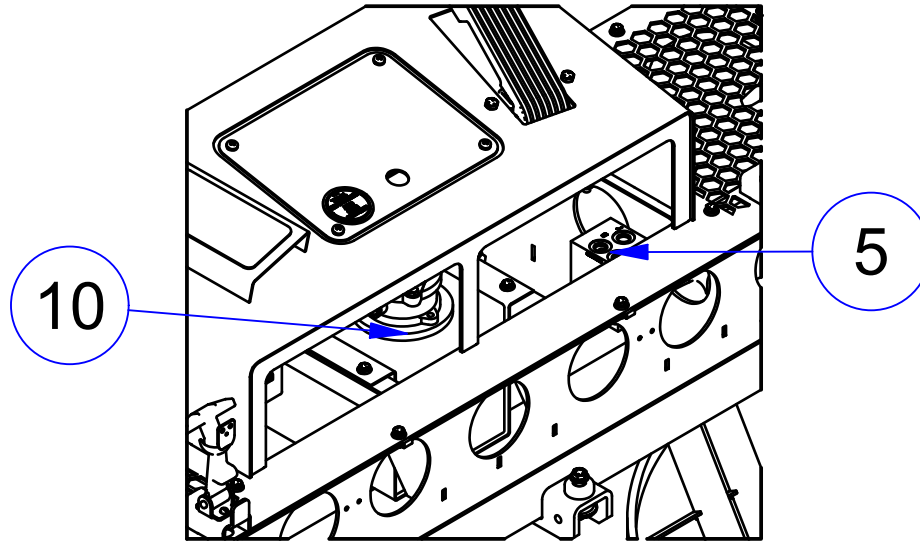
Steering System Assembly

Top View



Steering System Parts List

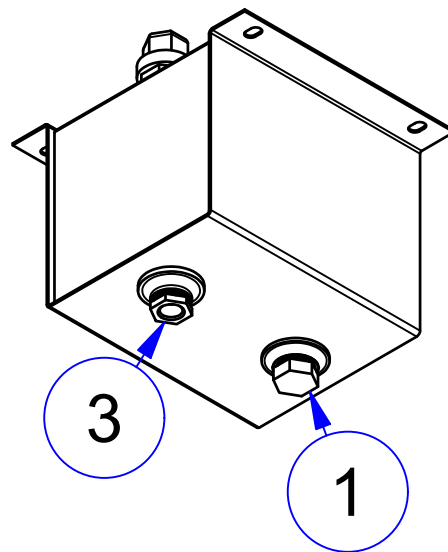
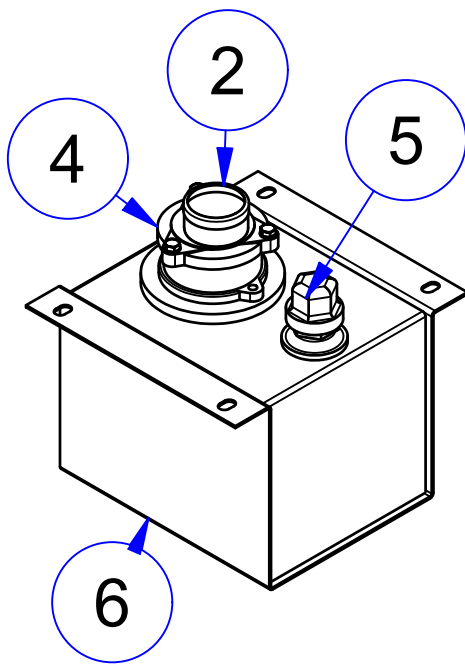
SECTION 1 PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	040319	FASTENER, HHCS 5/8"-18 X 1-1/4"	3
2	043124	ROD END, MALE 5/8"	3
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	066188	ROD END, FEMALE 5/8"	2
10	073486	ASSEMBLY, HYDRAULIC TANK	1
11	074405	ASSEMBLY, ROTOR LEFT HAND	1
12	074406	ASSEMBLY, ROTOR RIGHT HAND	1
13	078669	ROD END FEMALE, 5/8" MODIFIED 1/2" SHORTER	1

SECTION 1 PARTS

Hydraulic Tank Assembly



Steering System Parts List

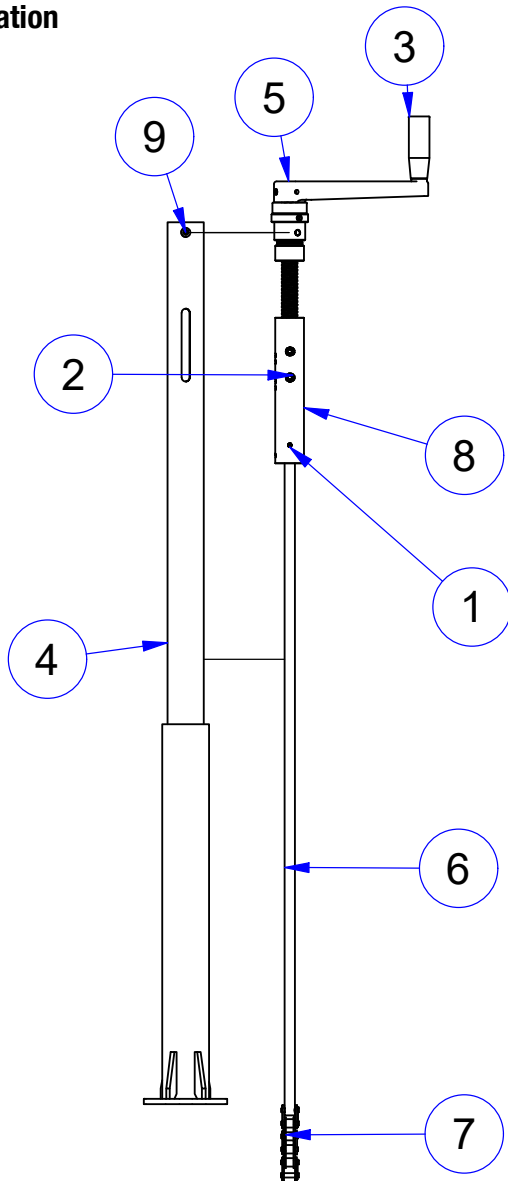
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	073486	ASSEMBLY, HYDRAULIC TANK	-
1	045948	PLUG, MAGNETIC	1
2	046241	GAUGE, FOR RETURN FILTER	1
3	046732	SUCTION STRAINER	1
4	049978	RETURN LINE FILTER	1
5	073277	FILLER BREATHER W/ DIPSTICK	1
6	073505	WELDMENT, HYDRAULIC TANK	1

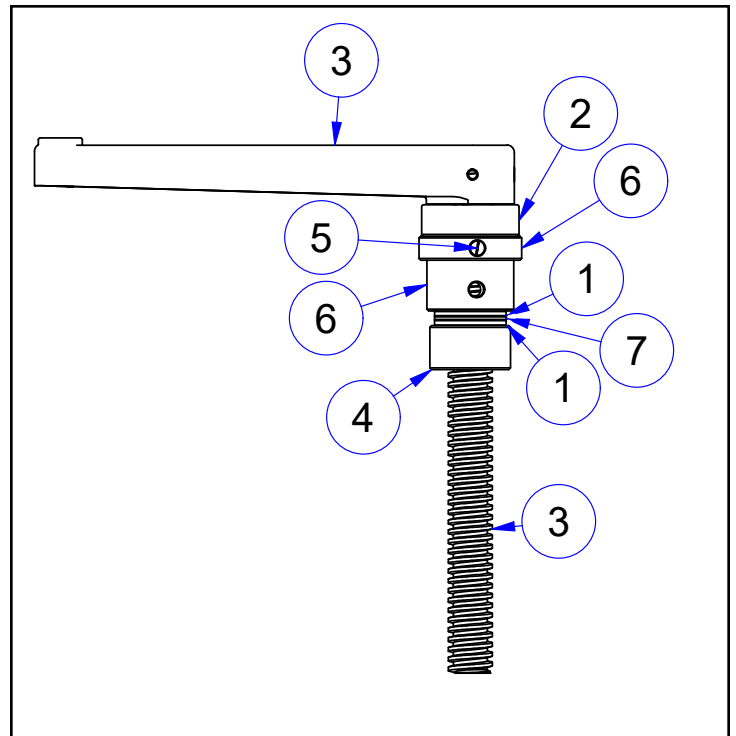
SECTION 1 PARTS

Pitch Control Assembly

070570 Illustration



Item 6 (061529) Illustration



Pitch Control Parts List

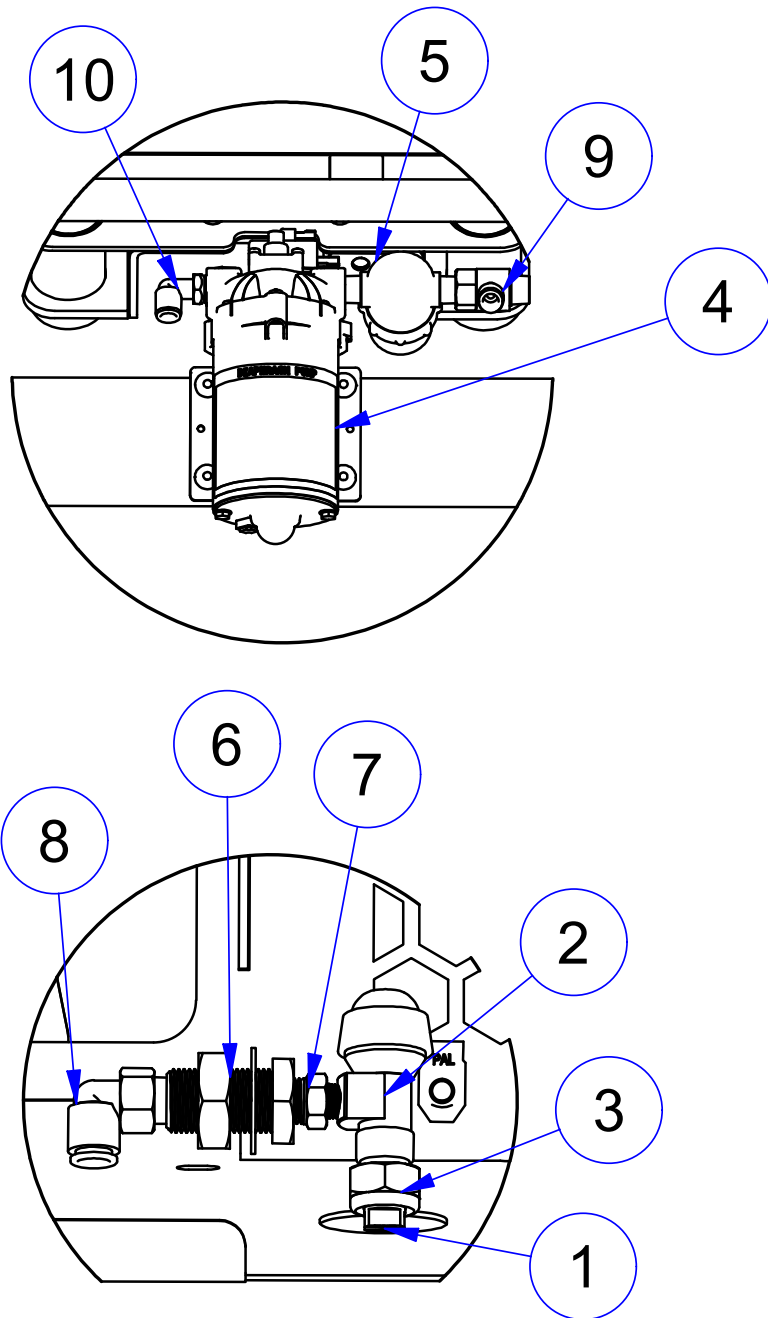
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	070570	ASSEMBLY, PITCH CONTROL	2
1	015747	PIN, ROLL 3/16" X 1-3/8"	1
2	015768	FASTENER, SHCS 1/4"-20 X 1/4"	2
3	032115	PITCH CONTROL HANDLE	1
4	038176	WELDMENT, PITCH CONTROL TUBE	1
5	061526	ASSEMBLY, CRANK HANDLE & SCREW SHAFT	1
6	070571	ROD FOR PITCH CONTROL ASSEMBLY	1
7	070752	CHAIN	1
8	075902	BUSHING, SLIDE	1
9	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8 W/ THREAD LOCKING (OLD PART 015410)	2

ITEM	PART NO.	DESCRIPTION	QTY
-	061529	ASSEMBLY, PITCH CONTROL	1
1	012710	BEARING, THRUST RACE	2
2	015742	BEARING, THRUST	1
3	026541	CRANK HANDLE & SCREW SHAFT	1
4	032191	STOP FOR HANDLE	1
5	036797	FASTENER, BALL PLUNGER 1/4"-20 X 1/4"	2
6	036914	BUSHING	1
7	100340	THRUST BEARING	1

SECTION 1 PARTS

Spray System Assembly



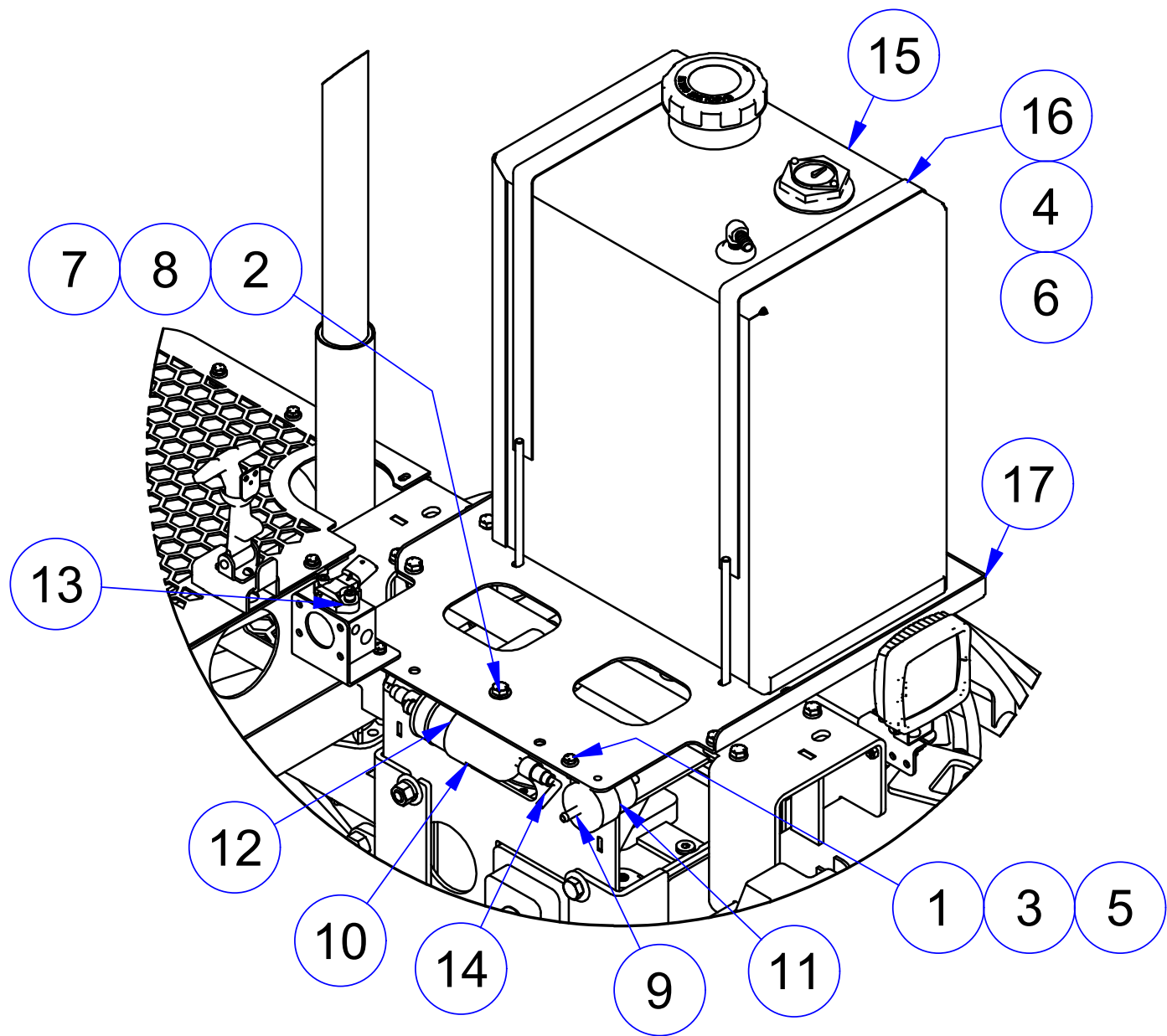
Spray System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074139	KIT, MP & MSP SPRAY AND LUBRICATION	-
1	012702	SPRAY TIP, FINE	2
2	012704	NOZZLE BODY, CHECK VALVE	2
3	012705	NOZZLE NUT	2
4	033735	PUMP, SPRAY SYSTEM	1
5	040209	FILTER, SPRAY SYSTEM	1
6	071016	FITTING, BULK HEAD 1/4" NPT	2
7	071017	FITTING, REDUCING HEX NIPPLE 1/4"-1/8" NPT	2
8	071596	FITTING, ONE TOUCH ELBOW 1/4" NPT TO 3/8" FEMALE	3
9	071597	FITTING, ONE TOUCH ELBOW 3/8" NPT FEMALE	1
10	078110	FITTING, ONE TOUCH ELBOW 3/8" NPT MALE TO 3/8"	1

SECTION 1 PARTS

Fuel System Assembly



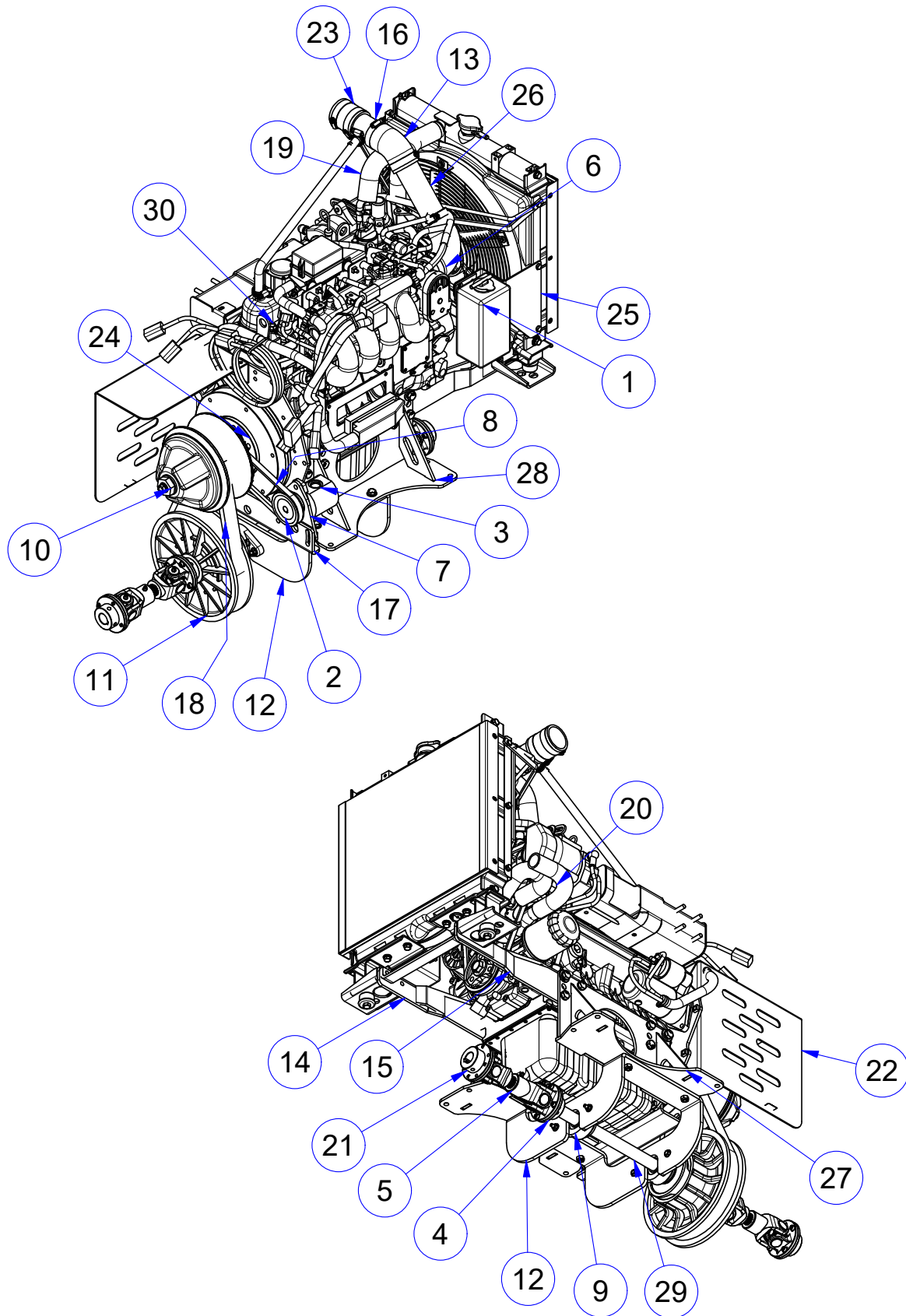
Fuel System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4"-20 X 3/4"	1
2	010036	FASTENER, HHCS 3/8"-16 X 1"	1
3	010081	FASTENER, FLAT WASHER 1/4"	1
4	010090	FASTENER, 5/16 LOCK WASHER	4
5	010098	FASTENER, HEX NUT 1/4"-20	1
6	010010	FASTENER, HEX NUT 5/16-18	4
7	010102	FASTENER, HEX NUT 3/8"-16	1
8	017751	FASTENER, FLAT WASHER 3/8"	1
9	043920	FUEL FILTER, WG1605 KUBOTA	1
10	067269	FUEL PUMP, WG1605 KUBOTA	1
11	067278	CLAMP, LOOP VIB. DAMPING 1-3/4" ID	1
12	067279	CLAMP, LOOP VIB. DAMPING 2" ID	1
13	069231	FUEL MANIFOLD, WG1605 KUBOTA	1
14	070607	CONNECTOR, FUEL TINE 5/16"	2
-	069399	CONNECTOR, FUEL FEMALE	4
15	075643	ASSEMBLY, 10 GALLON FUEL TANK	1
16	075649	WELDMENT, 10GAL TANK HOLD DOWN STRAPS,	2
17	075651	TRAY, 10 GAL TANK MOUNT	1

SECTION 1 PARTS

Engine Assembly



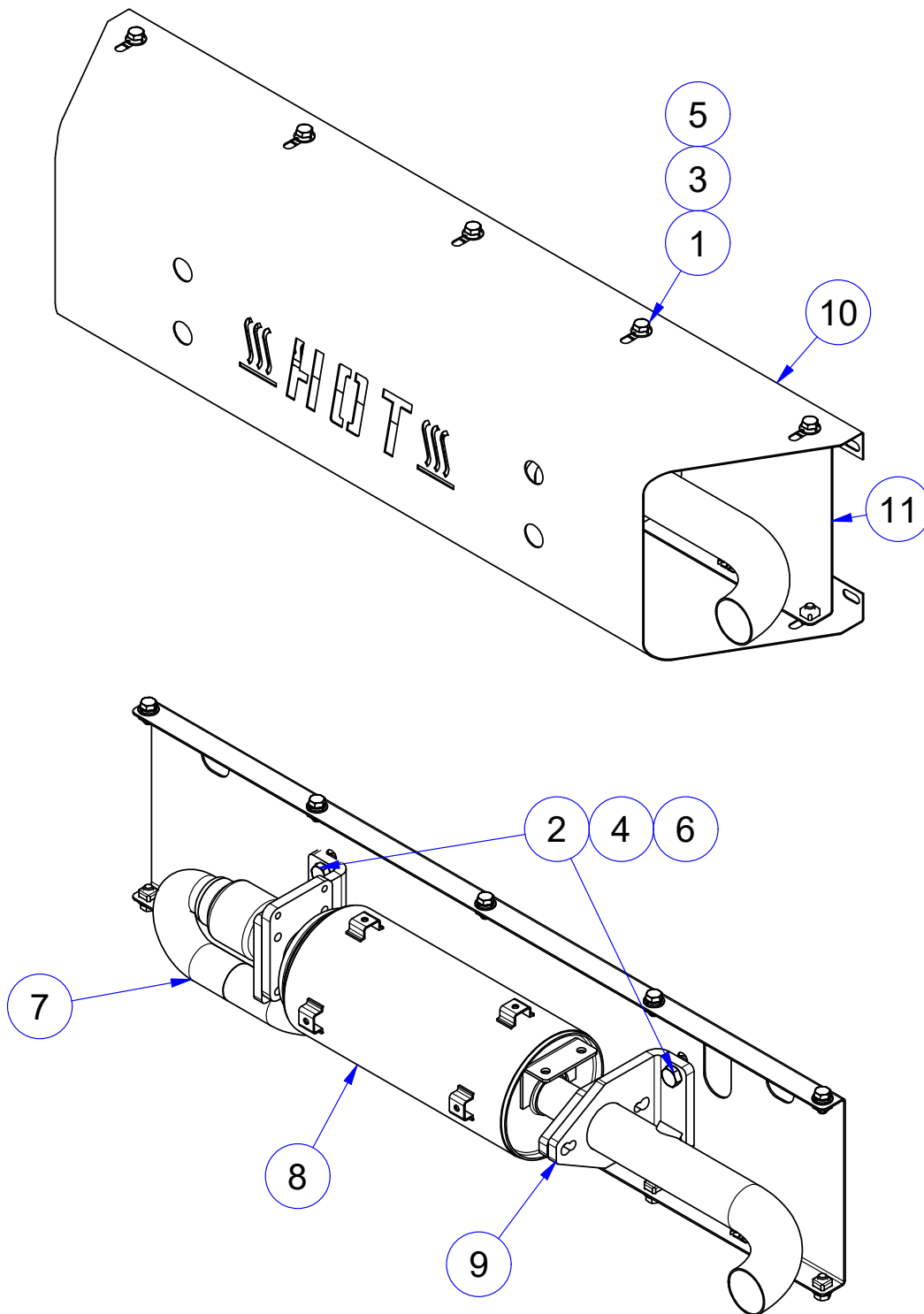
Engine Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074402	ASSEMBLY, POWER UNIT, MSP475	-
1	037791	OVERFLOW TANK, COOLANT	1
2	046550	PULLEY, AK30 1/2" BORE	1
3	046738	HYDRAULIC PUMP	1
4	047635	U-JOINT HUB, 1" BORE	2
5	047637	ASSEMBLY, U-JOINT TELESCOPING	2
6	049581	ELBOW, 2" ID 90° RUBBER	1
7	056912	WELDMENT, HYD. PUMP MOUNT PLATE	1
8	056922	V BELT, A22 HI-POWER	1
9	064254	FLANGE BEARING 1"	2
10	065967	CLUTCH, DRIVER	1
11	066107	PULLEY, DRIVEN	1
12	066678	BEARING SUPPORT	1
13	066902	ELBOW, 2" ID 45° RUBBER	1
14	067246	BRACKET, RADIATOR MOUNT RH	1
15	067247	BRACKET, RADIATOR MOUNT LH	1
16	067367	INTAKE HOSE CONNECTOR	1
17	067397	BRACKET, MOUNT F/ HYD. PUMP	
18	067506	BELT, CVT	1
19	067985	TOP RADIATOR HOSE, MODIFIED	1
20	067991	BOTTOM RADIATOR HOSE, MODIFIED	1
21	068500	U-JOINT HUB, 24mm BORE	2
22	069299	CLUTCH GUARD	1
23	069730	CONNECTING SLEEVE 2" ID X 2-1/2 LONG	1
24	071373	STUB SHAFT W/ PULLEY	1
25	074181	BRACKET, FOR COOLANT RECOVERY BOTTLE	1
26	075199	TUBE, INTAKE	1
27	075217	WELDMENT, ENGINE MOUNT REAR	1
28	075218	WELDMENT, ENGINE MOUNT FRONT	1
29	075219	DRIVE SHAFT	1
30	076294	ENGINE KUBOTA WG1605	1
-	069666	BATTERY CABLE, POSITIVE 55"	1
-	069667	BATTERY CABLE, NEGATIVE 62"	1
A	043920	(REPLACEMENT) FILTER, FUEL, KUBOTA WG1605	1
B	064828	(REPLACEMENT) FILTER, OIL, KUBOTA WG1605	1
C	069428	(REPLACEMENT) FILTER, AIR, PRIMARY, KUBOTA WG1605	1
D	069249	(REPLACEMENT) FILTER, AIR, SAFETY, KUBOTA WG1605	1

SECTION 1 PARTS

Exhaust Assembly



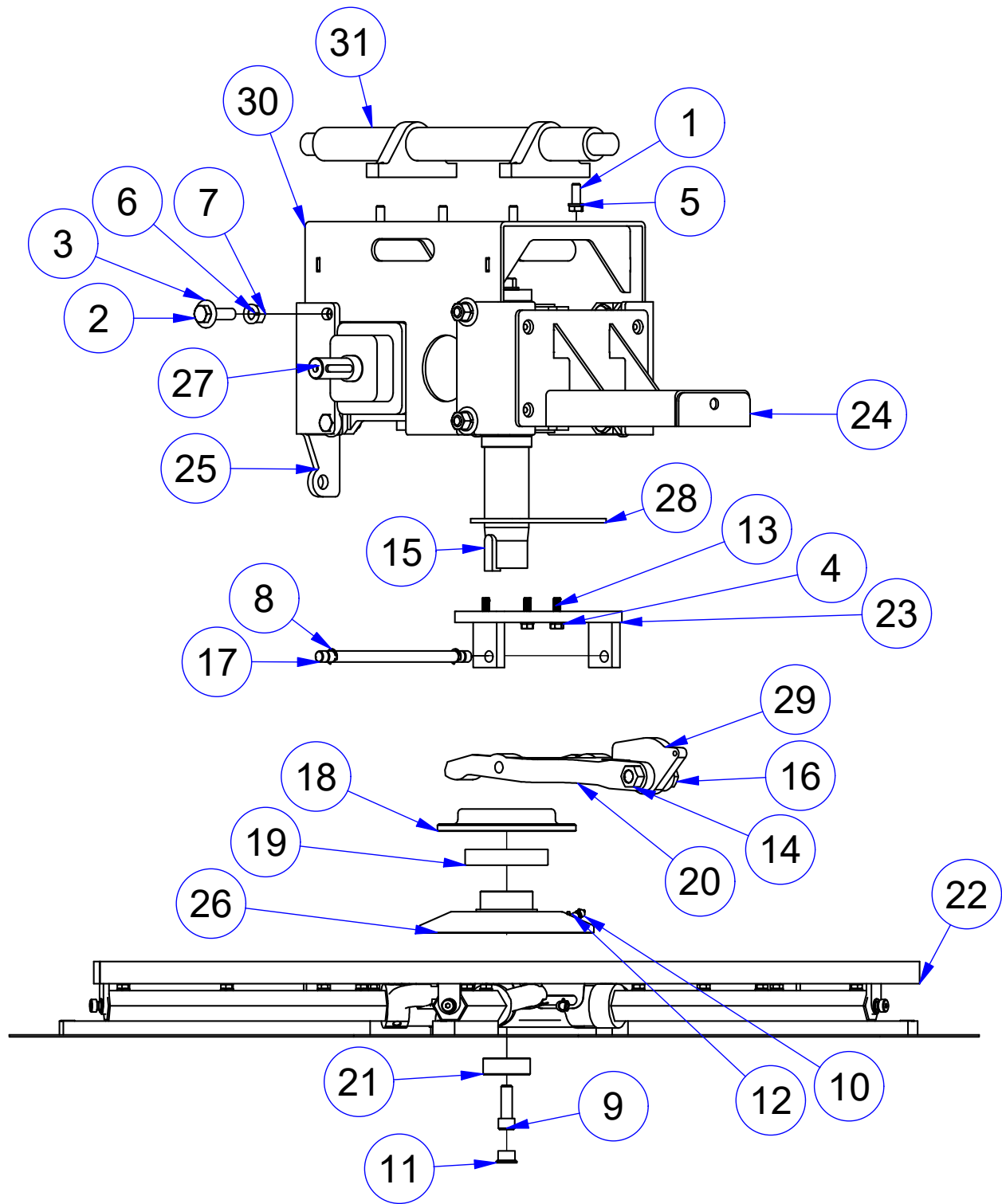
Exhaust Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	077701	ASSEMBLY, MUFFLER SHIELD	1
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, HEX STOVER NUT 1/2"-13	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
-	071369	EXHAUST WRAP 2" WIDE	1

SECTION 1 PARTS

Rotor Assembly - Left Hand



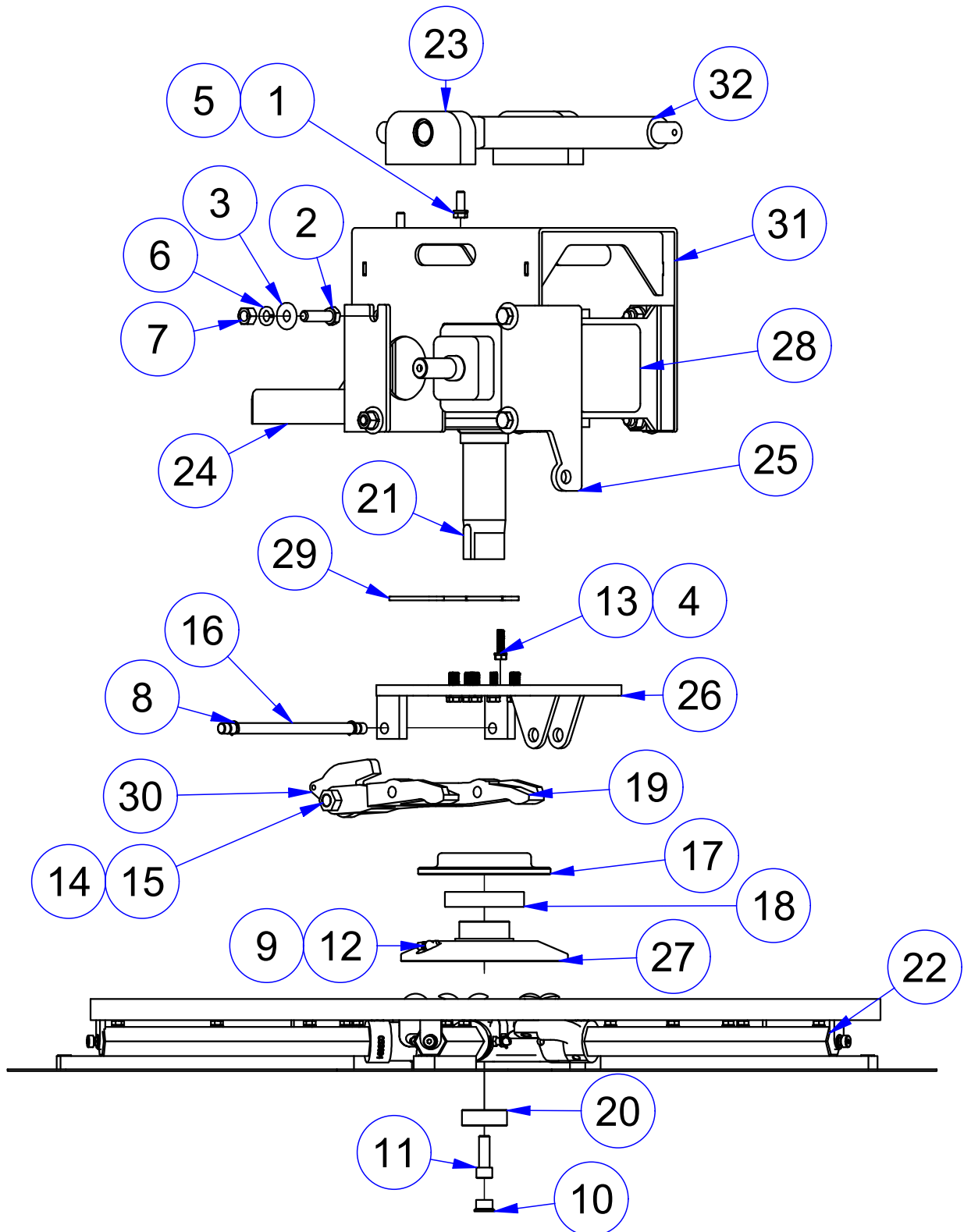
Rotor Assembly - Left Hand Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074405	ASSEMBLY, ROTOR LEFT HAND	-
1	010036	FASTENER, HHCS 3/8"-16 X 1" GRADE 8	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4" GRADE 8	8
3	010085	FASTENER, FLAT WASHER 1/2" GRADE 8	8
4	010090	FASTENER, LOCK WASHER 5/16" GRADE 8	4
5	010091	FASTENER, LOCK WASHER 3/8" GRADE 8	4
6	010093	FASTENER, LOCK WASHER 1/2" GRADE 8	8
7	010106	FASTENER, HEX NUT 1/2"-13 GRADE 8	8
8	015677	RETAINING RING, DIA. 7/16" E-STYLE	2
9	015691	FASTENER, SHCS 1/2"-13 X 1-1/2" RH THREAD	1
10	015692	GREASE CAP, DIA. 1/4"	1
11	015693	PLUG, PLASTIC CAP EC12	1
12	018510	FITTING, GREASE 1/4"-28 NPT 45°	1
13	037820	FASTENER, HHCS 8MM X 1.25 X 30MM	4
14	043269	FASTENER, STOVER NUT 5/8"-18	1
15	046231	KEY, ROTOR SHAFT	1
16	047354	FASTENER, HHCS 5/8"-18 X 2-1/4" GRADE 8	1
17	048628	PIN, FOR YOKE ARM	1
18	049599	BEARING CAP	1
19	049697	BEARING, THRUST	1
20	049698	PITCH YOKE ARM	1
21	049708	RETAINING WASHER	1
22	060543	ASSEMBLY, SPIDER LH	1
23	065231	WELDMENT, BRACKET FOR GEARBOX	1
24	066302	WELDMENT, BRACKET FOR PITCH CONTROL TUBE	1
25	066318	BRACKET, STEERING CYLINDER MOUNT LH	1
26	067589	PRESSURE PLATE	1
27	068161	ASSEMBLY, GEARBOX LH	1
28	069653	BRACKET, SHIM FOR GEARBOX	1
29	070569	PLATE, PITCH CONNECTION	1
30	074183	WELDMENT, LH GEARBOX HOUSING	1
31	074186	WELDMENT, 2 WAY CROSSHEAD	1

SECTION 1 PARTS

Rotor Assembly - Right Hand



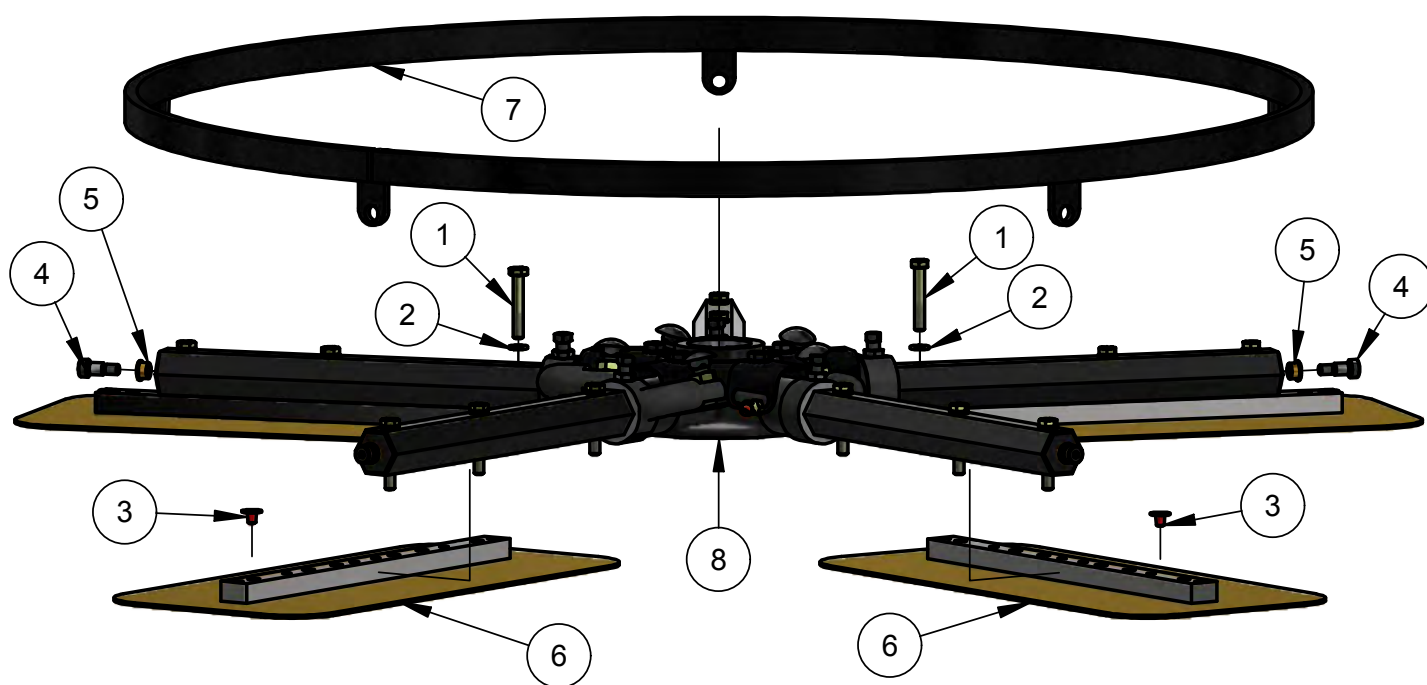
Rotor Assembly - Right Hand Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
-	074406	ASSEMBLY, ROTOR RIGHT HAND	-
1	010036	FASTENER, HHCS 3/8"-16 X 1" GRADE 8	4
2	010070	FASTENER, HHCS 1/2"-13 X 1-3/4" GRADE 8	8
3	010085	FASTENER, FLAT WASHER 1/2" GRADE 8	8
4	010090	FASTENER, LOCK WASHER 5/16"	8
5	010091	FASTENER, LOCK WASHER 3/8"	4
6	010093	FASTENER, LOCK WASHER 1/2" GRADE 8	8
7	010106	FASTENER, HEX NUT 1/2"-13 GRADE 8	8
8	015677	RETAINING RING, DIA. 7/16" E-STYLE	2
9	015692	GREASE CAP, DIA. 1/4"	1
10	015693	PLUG, PLASTIC CAP EC12	1
11	020155	FASTENER, SHCS 1/2"-13 X 1-1/1" LH THREAD	1
12	024755	FITTING, GREASE 1/8"-18 NPT 45°	1
13	037820	FASTENER, HHCS 8MM X 1.25 X 30MM	8
14	043269	FASTENER, STOVER NUT 5/8"-18	1
15	047354	FASTENER, HHCS 5/8"-18 X 2-1/4" GRADE 8	1
16	048628	PIN, FOR YOKE ARM	1
17	049599	BEARING CAP	1
18	049697	BEARING, THRUST	1
19	049698	PITCH YOKE ARM	1
20	049708	RETAINING WASHER	1
21	046231	KEY, ROTOR SHAFT	1
22	060544	ASSEMBLY, SPIDER LH	1
23	064260	ASSEMBLY, CROSSHEAD BEARING	1
-	068157	FLANGED BEARING, 1" ID X 1" LONG	2
24	066302	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
25	066304	BRACKET, STEERING CYLINDER RH	1
26	066305	WELDMENT, RH BRACKET FOR GEARBOX	1
27	067589	PRESSURE PLATE	1
28	068160	ASSEMBLY, GEARBOX RH	1
29	069653	SHIM FOR GEARBOX BRACKET	1
30	070569	PLATE, PITCH CONNECTION	1
31	074196	WELDMENT, RH GEARBOX HOUSING	1
32	074198	WELDMENT, 4 WAY CROSSHEAD	1

SECTION 1 PARTS

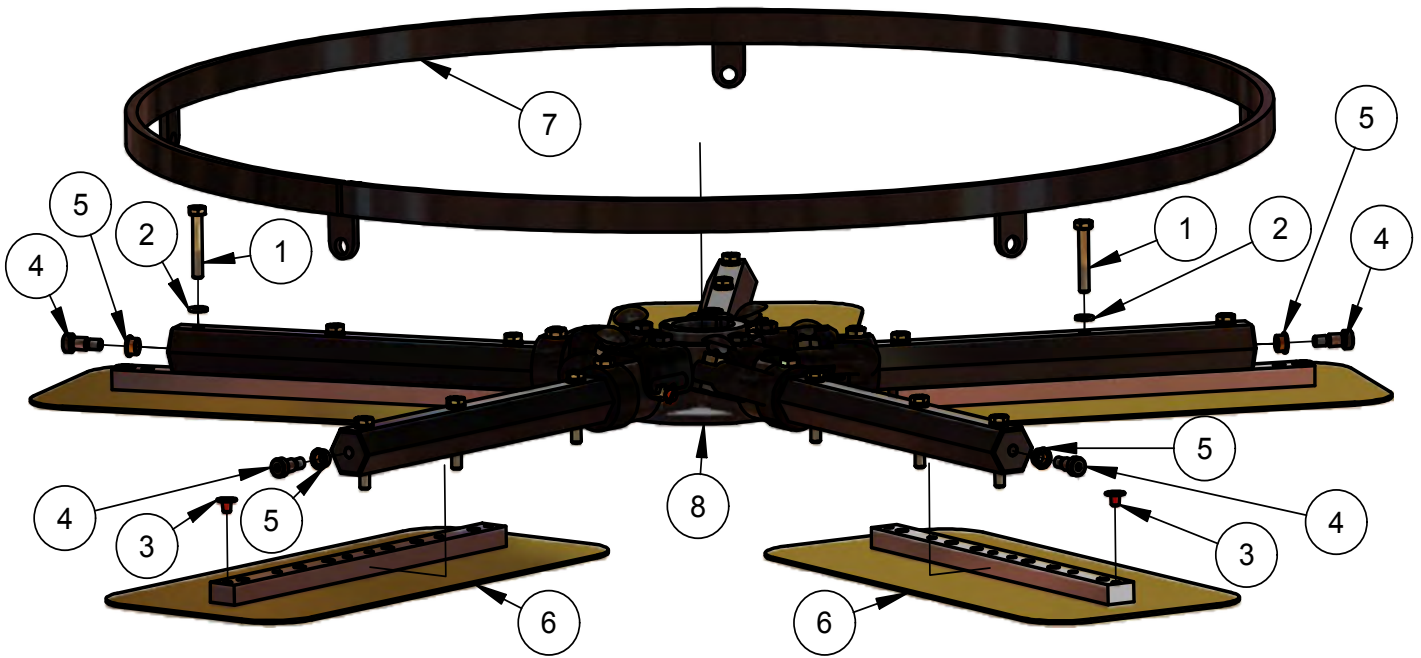
Lower Rotor Assembly - Left Hand



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	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

Lower Rotor Assembly - Right Hand

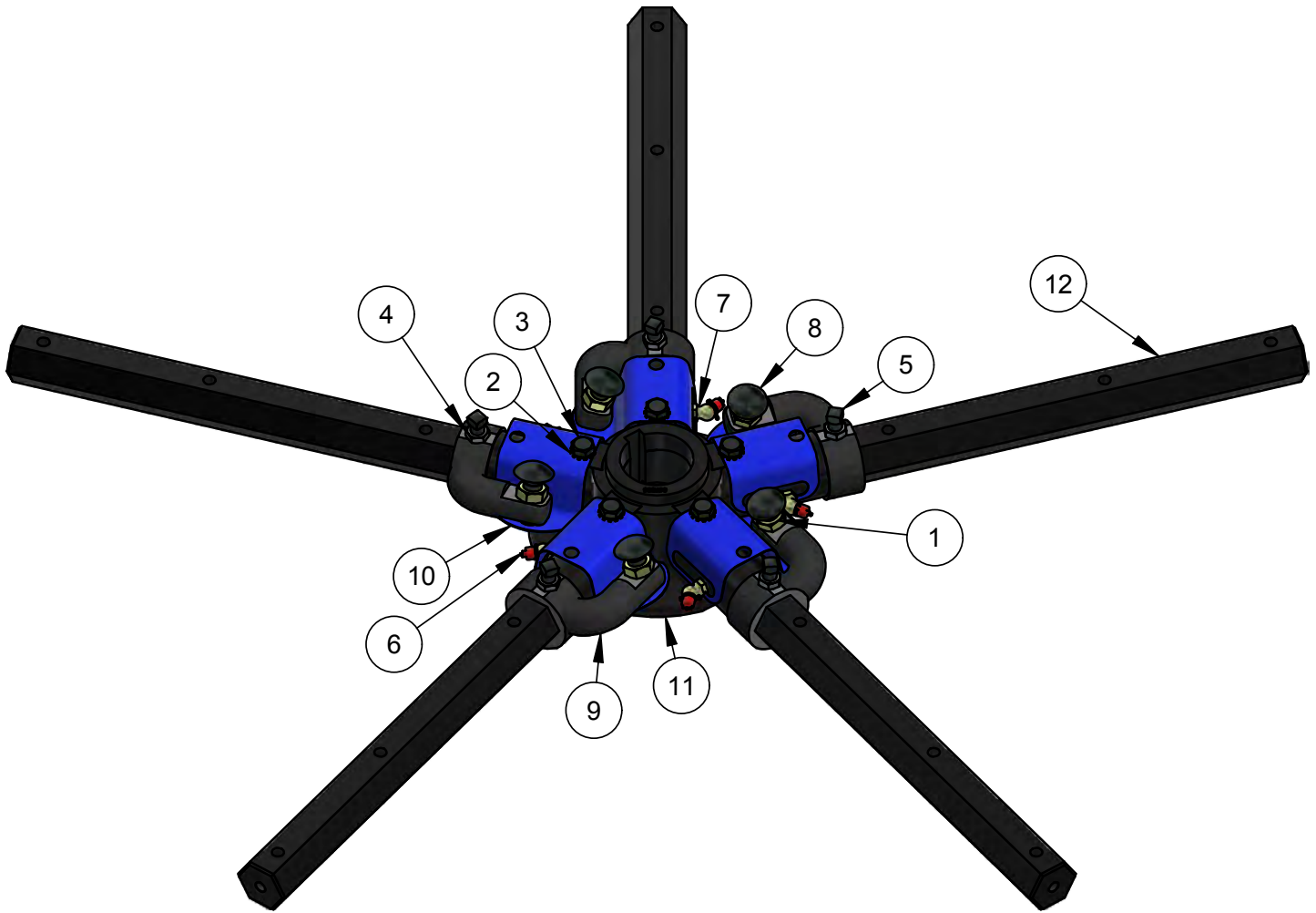
SECTION 1 PARTS



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	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

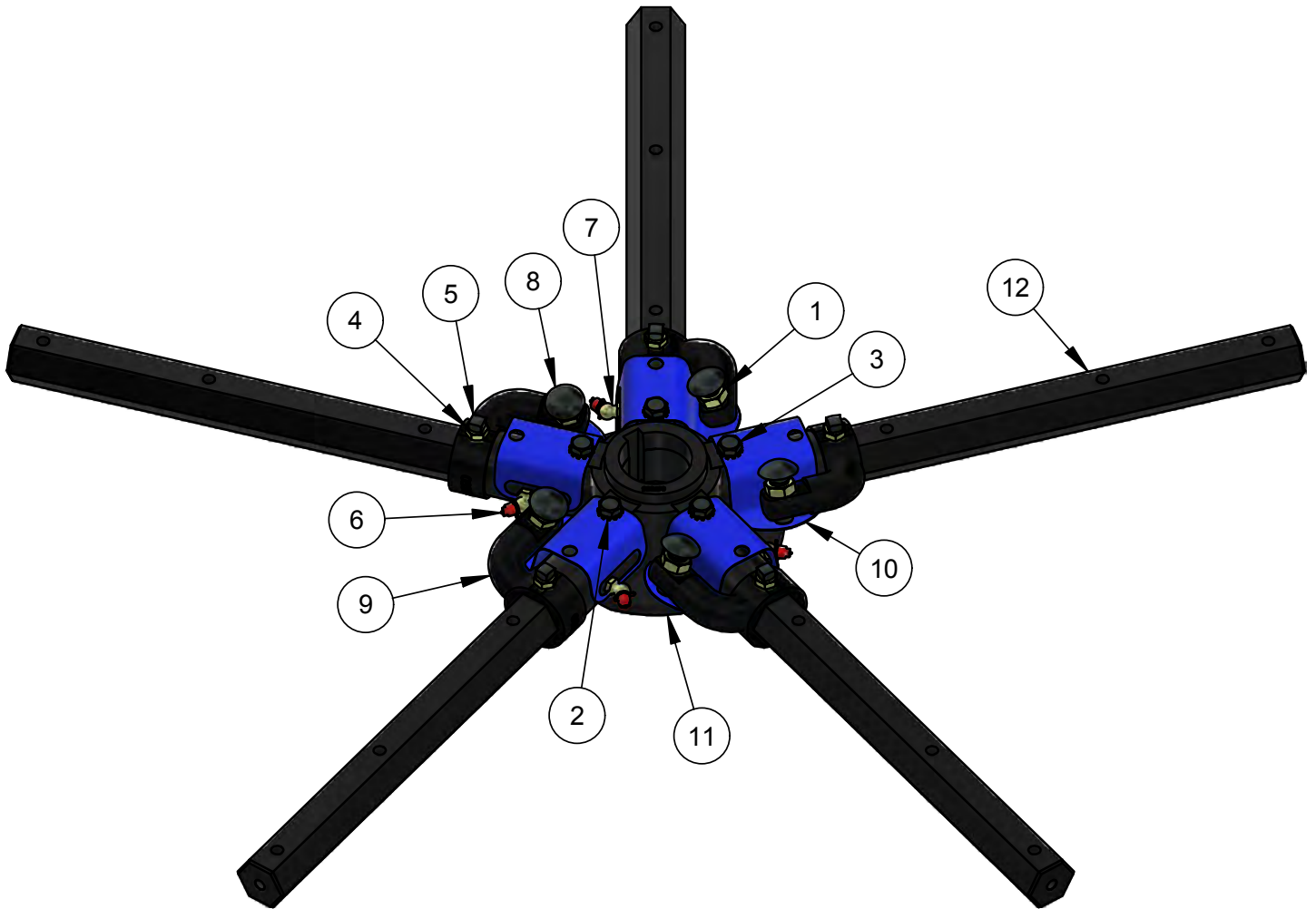
Spider Assembly - Left Hand



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
-	050963	PLUG, 1/8" NPT HEX SOCKET	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



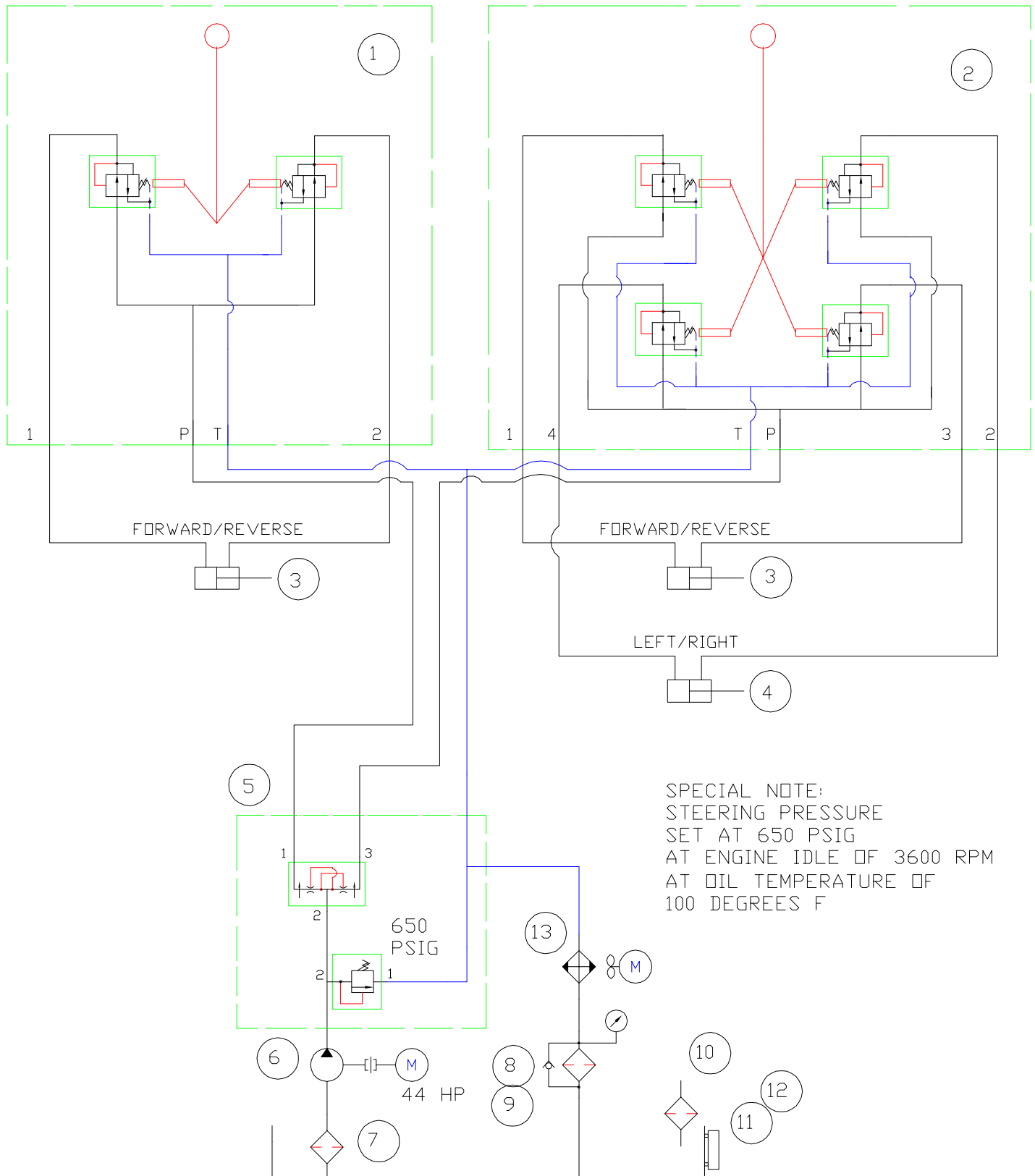
ITEM	PART #	DESCRIPTION	QTY
-	067588	ASSEMBLY, SPIDER, RIGHT HAND	-
1	010050	FASTENER, NUT, HEX, 1/2"-13	5
2	015682	FASTENER, EXTERNAL TOOTH, 3/8"	5
3	015683	FASTENER, BOLT, HEX HEAD, 3/8"-16 X 7/8"	5
4	015684	FASTENER, NUT, HEX, 3/8"-16	5
5	015686	FASTENER, BOLT, SQHSS, 3/8"-16 X 1"	5
6	015692	CAP, GREASE, 1/4", PLASTIC, RED	5
7	024755	FITTING, GREASE, 1/8"-27 NPT, 45°	5
-	050963	PLUG, 1/8" NPT HEX SOCKET	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 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 & O-RING	2
9	043476	FITTING, TEST POINT	1
10	046362	FITTING, 90° ELBOW	1

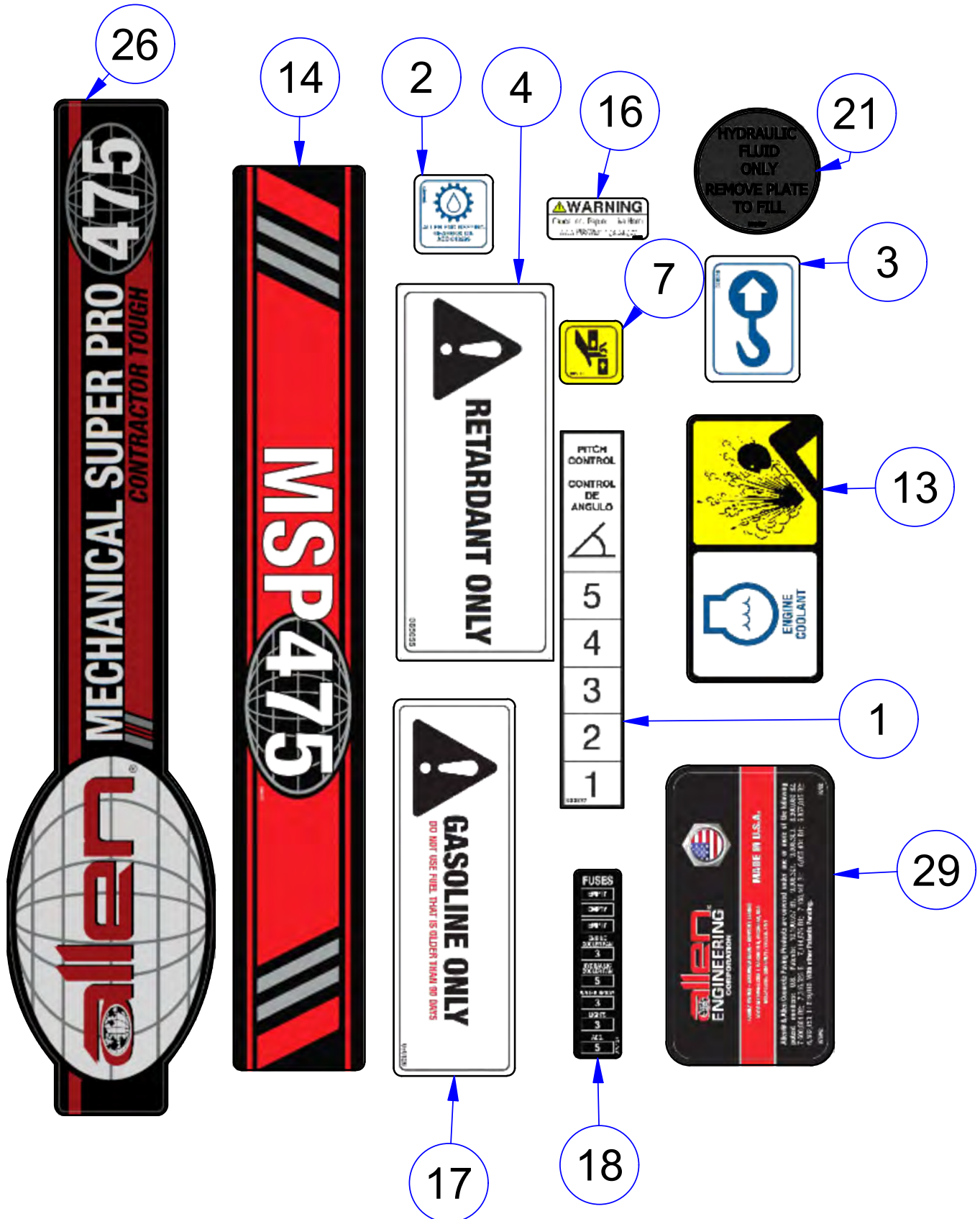
KIT - MSP475 HYDRAULIC SYSTEM HOSES

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

SECTION 2: DECALS

SECTION 2 DECALS

Decals - (Kit #: 074343)



Decals - (Kit #: 074343)**SECTION 2
DECALS**

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	065655	RETARDANT ONLY	1
5	065656	PAN FALL	2
6	065897	LIGHTS	1
7	065917	PINCH POINT	2
8	066067	HYDRAULIC FLUID	1
9	066068	HAND TOOL	1
10	066083	RH JOYSTICK 2 DIRECTION CONTROL	1
11	066103	GREASE PRESSURE PLATES DAILY	2
12	068459	TIE DOWN	4
13	069113	COOLANT WARNING	1
14	069117	MSP475 SIDE DECAL	2
15	069119	LEFT STEERING	1
16	069225	PROPOSITION 65	2
17	070126	GAS ONLY	1
18	070127	FUSE BLOCK	1
19	070402	HIGH PRESSURE WARNING	1
20	071102	EPA LABEL	1
21	073457	HYDRAULIC FLUID ONLY	1
22	073910	RETARDANT CAP, BLUE	1
23	074284	GREASING OF U-JOINTS	1
24	074318	ENGINE DIAGNOSTICS & LIGHTS	1
25	074319	ENGINE ON/OFF	1
26	075069	RIGHT STEERING	1
27	075083	FRONT SCREEN, MSP475	1
28	075276	MADE IN AMERICA	1
29	076042	MASTER PATENT LIST	1
30	077887	GASOLINE ONLY	1
-	075174	QR CODE (NOT SHOWN)	1
-	035635	FUSE BOX INSIDE (NOT SHOWN)	1

SECTION 2 DECALS

Decals - (Kit #: 074343)



Decals - (Kit #: 074343)**SECTION 2
DECALS**

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	065655	RETARDANT ONLY	1
5	065656	PAN FALL	2
6	065897	LIGHTS	1
7	065917	PINCH POINT	2
8	066067	HYDRAULIC FLUID	1
9	066068	HAND TOOL	1
10	066083	RH JOYSTICK 2 DIRECTION CONTROL	1
11	066103	GREASE PRESSURE PLATES DAILY	2
12	068459	TIE DOWN	4
13	069113	COOLANT WARNING	1
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30	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

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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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