

RIDING TROWEL

MSP455



PARTS & DECALS MANUAL

Manual Part #: 075706P | Revision: K
Language: English | Original Instructions



NOTICE

This manual, or a copy of it, must be kept with the machine at all times.
There is a manual storage container located on the machine for your convenience.

RIDING TROWEL

PARTS & DECALS MANUAL

This manual covers the Riding Trowel model listed below:

<u>Part No.</u>	<u>Description</u>
071100	RIDER, MSP455 - Kohler
075825	RIDER, MSP455 - Vanguard

For more information regarding the following, please see “MSP455 Safety & Operations Manual”

- Warranty information
- Dealer information
- How to identify the model/serial numbers on the machine
- Technical specifications

Table of Contents

Sect No.	Title	Page
	Table of Contents	4
1	PARTS	5
	Factory Service Information	6
	Replacement Parts Procedure.....	7
	General Arrangement.....	8
	Main Frame Assembly (071040)	10
	Steering System	12
	Pitch Control Assembly.....	16
	Front Deck Assembly.....	17
	Throttle Pedal and Kill Switch (071050).....	18
	Fuel System	20
	Spray System	22
	Hydraulics Assembly	24
	Seat Frame Assembly (071075).....	28
	Power Unit Assembly (070120).....	32
	Power Unit Continued Drive line Assembly (070120)	34
	Left Hand Rotor Assembly (073526)	36
	Left Hand Gearbox Assembly (056894).....	38
	Right Hand Rotor Assembly (073525)	40
	Right Hand Gearbox Assembly (056873).....	42
	Left Hand Lower Spider Assembly	44
	Right Hand Lower Spider Assembly.....	45
	LH Spider Boss Assembly (040794).....	46
	RH Spider Boss Assembly (040795).....	47
	General Arrangement, MSP455 w/ Vanguard Engine	48
	Front Deck Assembly, MSP455 w/ Vanguard Engine	49
	Power Unit Assembly, MSP455 w/ Vanguard Engine (075826)	50
	Power Unit Continued Drive line Assembly, MSP455 w/ Vanguard Engine (075826) ...	52
	Seat Frame Assembly, MSP455 w/ Vanguard Engine (077899)	54
	Hydraulics Schematic	56
	Service Parts, Filters for Vanguard.....	58
	Service Parts, Filters for Kohler	59
2	DECALS	60
	Decals, MSP455	62
	Revision Details	66

SECTION 1: PARTS

SECTION 1 PARTS

Factory Service Information

This section contains illustrated drawings and parts list for help in identifying and/or ordering replacement parts for your machine. Follow the instructions in the Replacement Parts Procedure section of this manual when ordering replacement parts to insure prompt and accurate delivery.

The Right Hand (RH) and/or Left Hand (LH) orientations are defined from the operator's point of view while sitting on the machine (SOM).

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.

We recommend AEC quality replacement parts, these are 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 this manual. Please order replacement parts by the appropriate part number, not the key 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 insure prompt and accurate delivery:

1. All orders for service parts must include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include the correct description and part number from Parts Section 1.
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 to you.

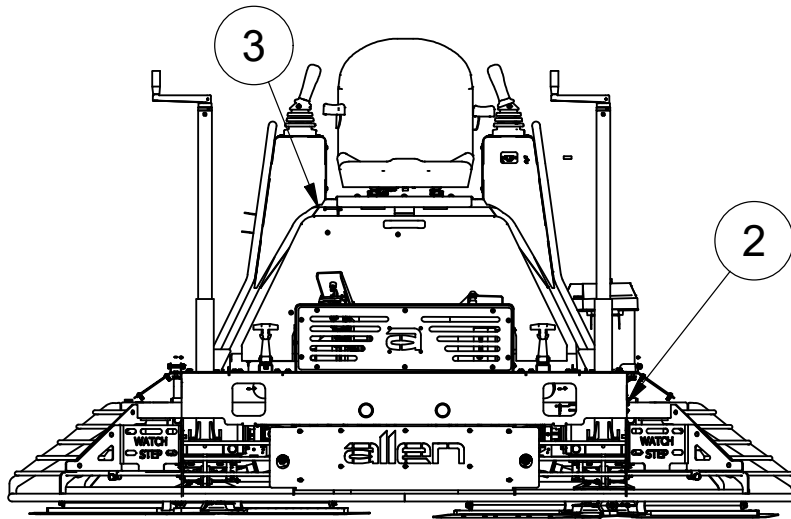


All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication.

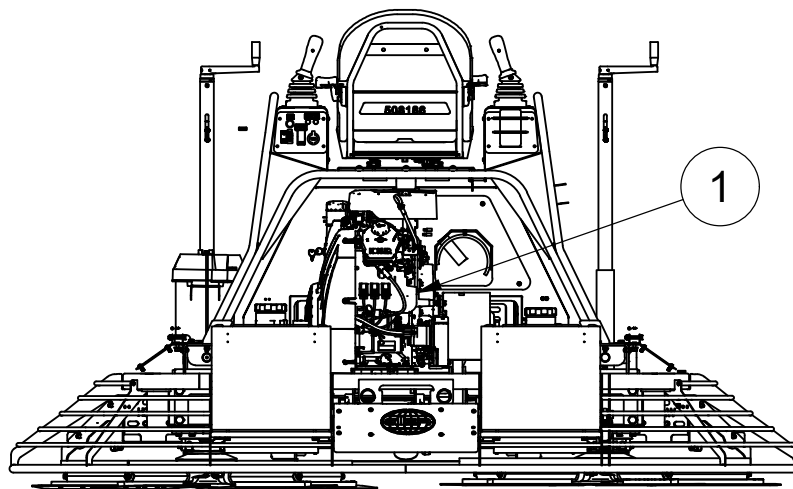
SECTION 1 PARTS

General Arrangement

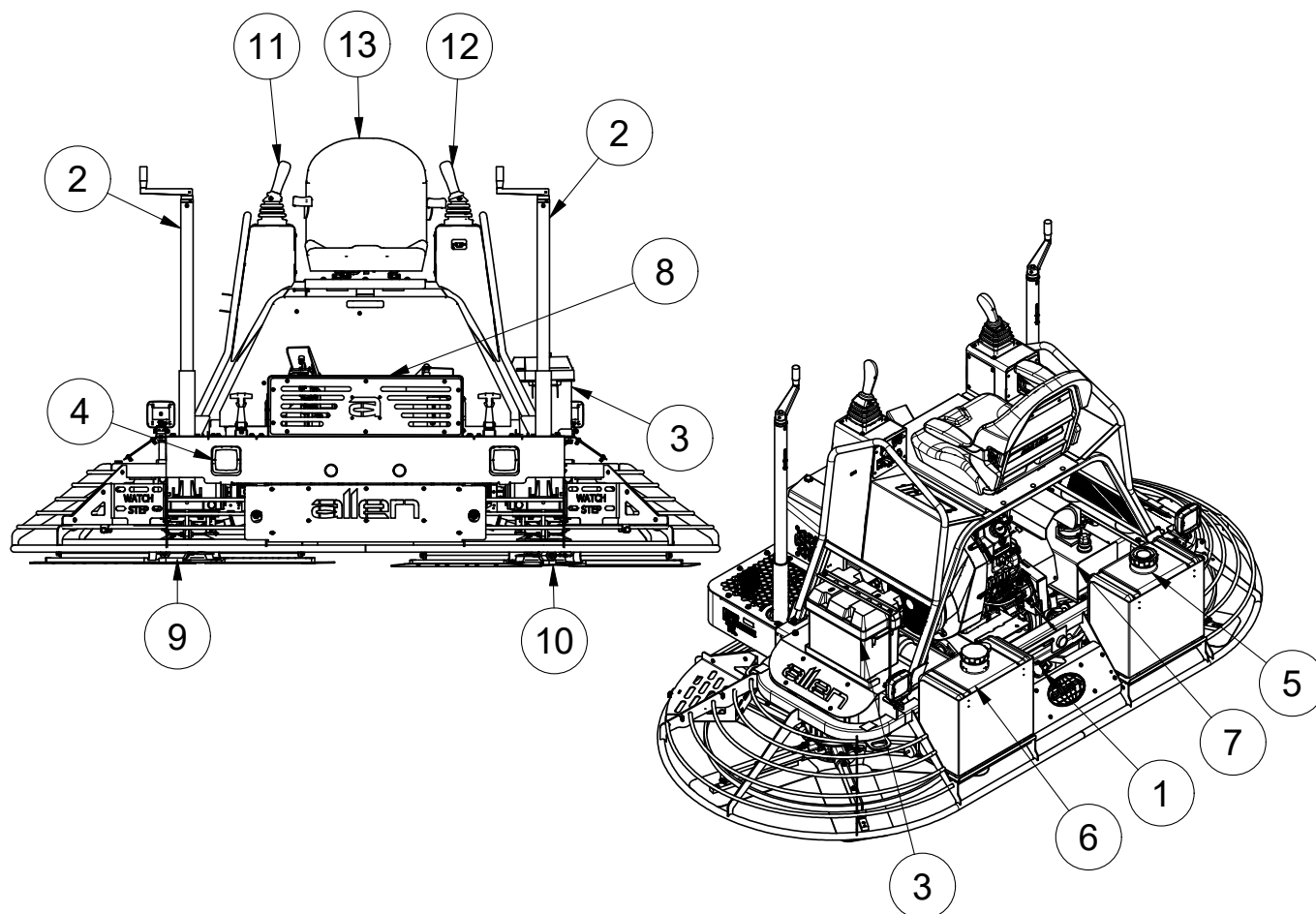
FRONT



REAR



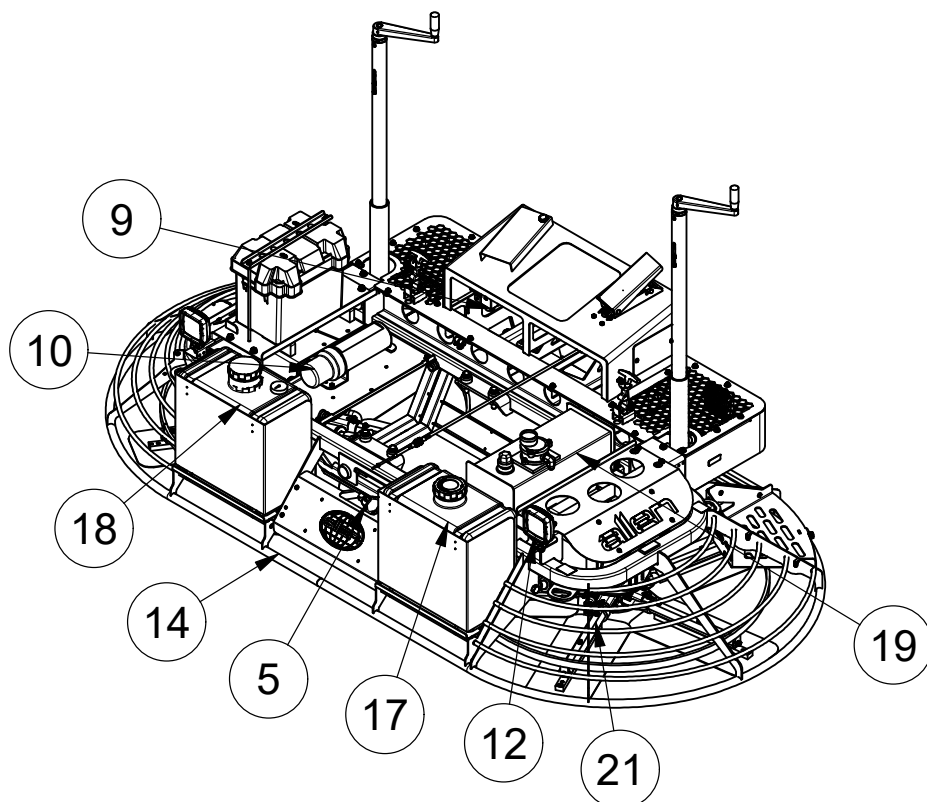
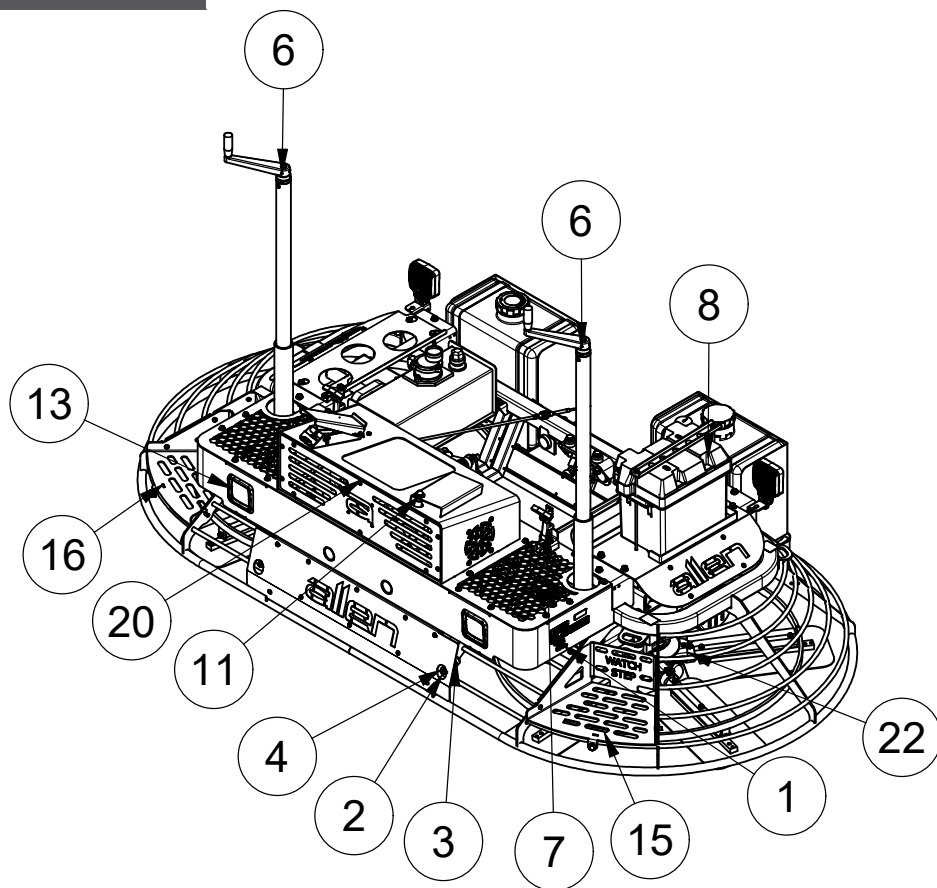
ITEM	PART #	DESCRIPTION	QTY
1	070120	ASSEMBLY, POWER UNIT	1
2	071040	ASSEMBLY, MAIN FRAME	1
3	071075	ASSEMBLY, SEAT FRAME	1
-	074091	KIT, DECAL MSP455	1
-	074139	KIT, SPRAY AND LUBRICATION	1
-	074397	HARNESS, ELECTRICAL F/ 445/455	1
-	075956	KIT, HYDRAULIC MSP455	1



ITEM	PART #	DESCRIPTION	QTY
1	033735	PUMP FOR SPRAY SYSTEM	1
2	038174	ASSEMBLY, PITCH CONTROL	2
3	046696	BATTERY BOX	1
4	069835	LIGHT, LED 1200 LUMENS	4
5	071536	TANK, 7 GAL RETARDANT	1
6	072854	TANK, 7 GAL FUEL	1
7	073276	ASSEMBLY, HYDRAULIC TANK	1
8	073390	ASSEMBLY, TOP DECK	1
9	073525	ASSEMBLY, RIGHT HAND ROTOR	1
10	073526	ASSEMBLY, LEFT HAND ROTOR	1
11	064817	CONTROL VALVE, RIGHT HAND DUAL AXIS	1
12	064818	CONTROL VALVE, LEFT HAND SINGLE AXIS	1
13	069874	SEAT	1

SECTION 1 PARTS

Main Frame Assembly (071040)



Main Frame Assembly Parts List (071040)

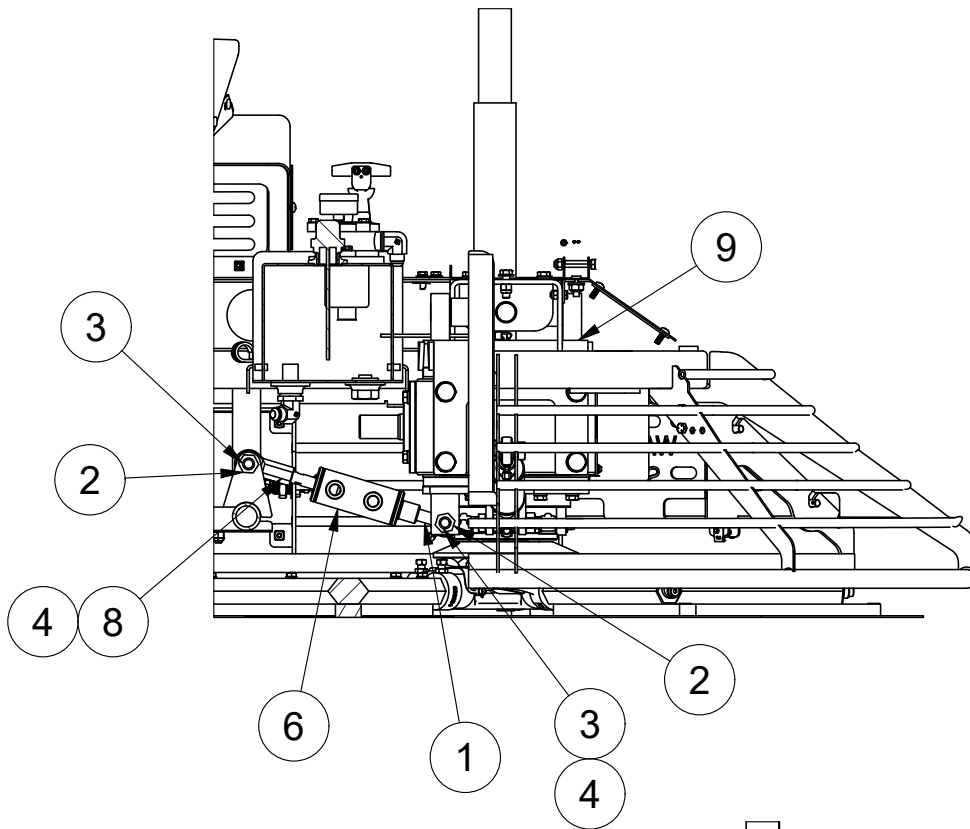
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010513	FITTING, STR GREASE 1/4"-28	4
2	012702	BRASS SPRAY TIP 80° X 0.10"	2
3	012704	BRASS CHECK VALVE NOZZLE	2
4	012705	BRASS NOZZLE NUT	2
5	033735	PUMP FOR SPRAY SYS.	1
-	037771	BATTERY 12V	1
6	038174	ASSEMBLY, PITCH CONTROL	2
7	042260	LATCH	2
8	046696	BATTERY BOX	1
9	052930	AIR COOLER FOR HYDRAULIC OIL	1
10	066255	MANUAL TUBE	1
11	068956	MOMENTARY SWITCH FOR SPRAY SYSTEM	1
12	069835	LIGHT, LED 1200 LUMENS	4
13	069835	LIGHT, LED 1200 LUMENS	-
14	071035	WELDMENT, MAIN FRAME	1
15	071099	STEP, LEFT SIDE	1
16	071103	STEP, RIGHT SIDE	1
17	071536	TANK, 7 GALLON RETARDANT	1
18	072854	TANK, 7 GALLON FUEL	1
19	073276	ASSEMBLY, HYDRAULIC TANK	1
20	073390	ASSEMBLY, TOP DECK	1
21	073525	ASSEMBLY, RIGHT MOTOR	1
22	073526	ASSEMBLY, LEFT MOTOR	1

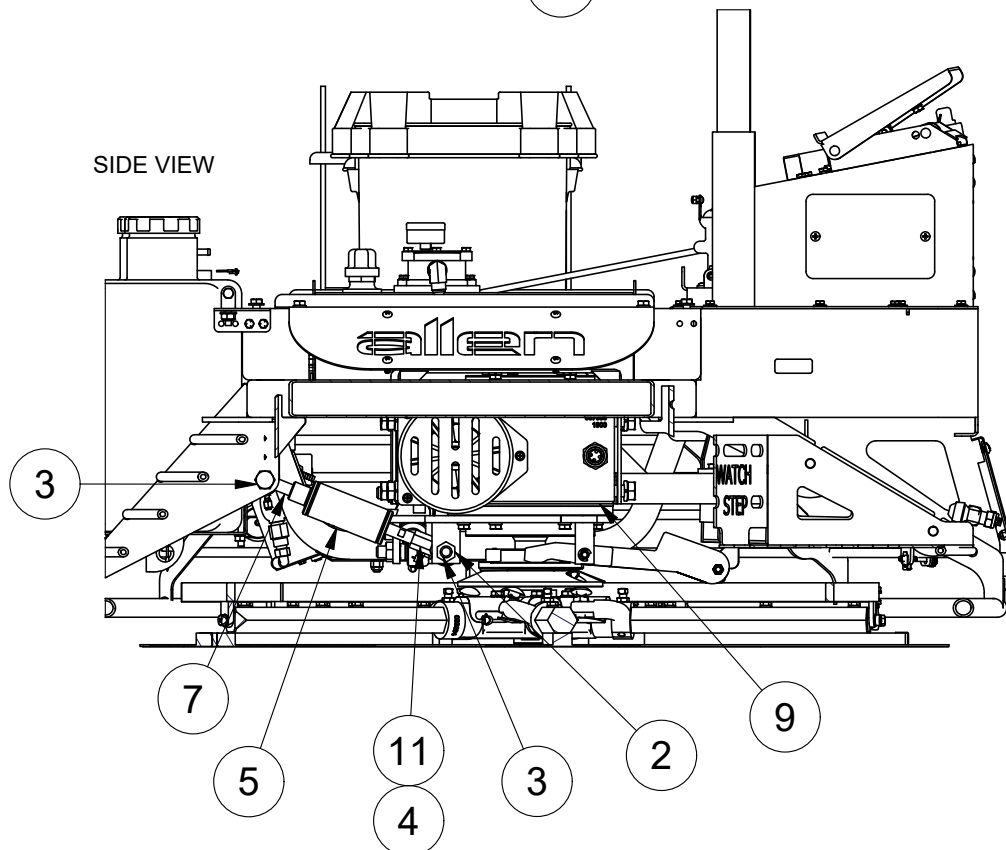
SECTION 1 PARTS

Steering System

RIGHT SIDE STEERING



SIDE VIEW



System Parts List

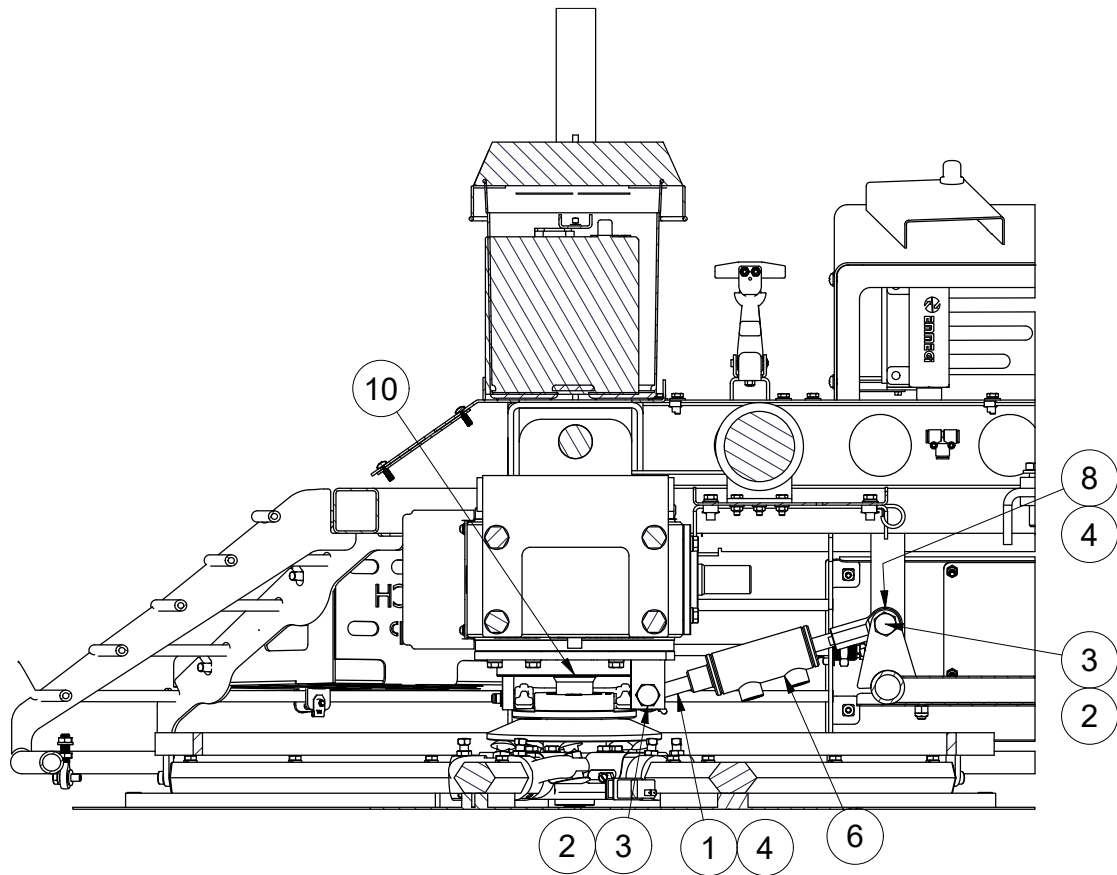
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	043124	ROD END MALE 5/8"	2
2	043269	FASTENER, STOVER NUT 5/8"-18	6
3	048339	FASTENER, HHCS 5/8"-18 X 3 GRADE 8	6
4	048627	SPACER, FOR STEERING CONNECTION	10
5	048660	STEERING CYLINDER 1.5" X 0.625"	1
6	048661	STEERING CYLINDER 1.5" X 1.25"	2
7	052596	ROD END MALE, 5/8" MODIFIED 2-5/8"	1
8	066188	ROD END FEMALE 5/8"	2
9	073525	ASSEMBLY, RIGHT HAND ROTOR	1
10	073526	ASSEMBLY, LEFT HAND ROTOR	1
11	078669	ROD END FEMALE, 5/8" MODIFIED 1/2" SHORTER	1

SECTION 1 PARTS

Steering System Continued

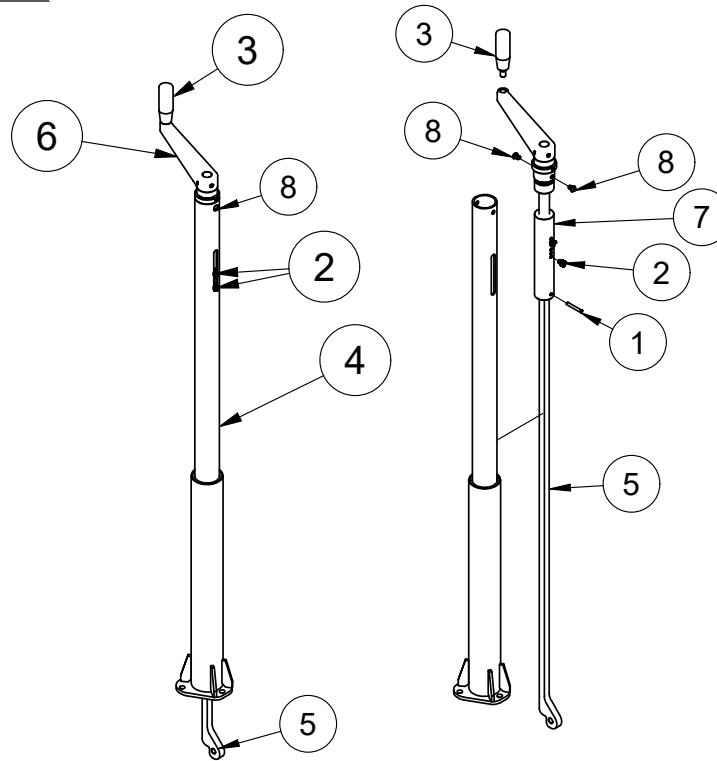
LEFT SIDE STEERING



ITEM	PART #	DESCRIPTION	QTY
1	043124	ROD END MALE 5/8"	2
2	043269	FASTENER, STOVER NUT 5/8"-18	6
3	048339	FASTENER, HHCS 5/8"-18 X 3 GRADE 8	6
4	048627	SPACER, FOR STEERING CONNECTION	10
5	048660	STEERING CYLINDER 1.5" X 0.625"	1
6	048661	STEERING CYLINDER 1.5" X 1.25"	2
7	052596	ROD END MALE, 5/8" MODIFIED 2-5/8"	1
8	066188	ROD END FEMALE 5/8"	2
9	073525	ASSEMBLY, RIGHT HAND ROTOR	1
10	073526	ASSEMBLY, LEFT HAND ROTOR	1
11	078669	ROD END FEMALE, 5/8" MODIFIED 1/2" SHORTER	1

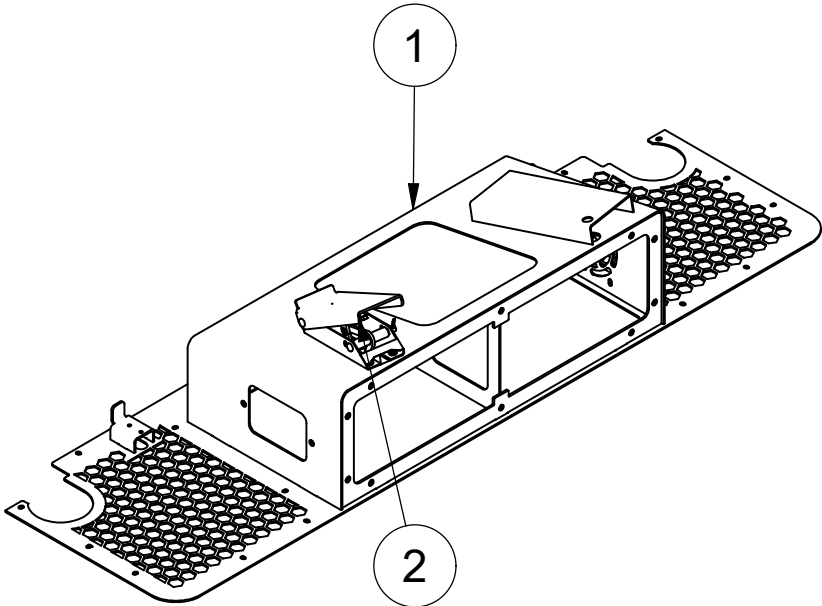
SECTION 1 PARTS

Pitch Control Assembly



ITEM	PART #	DESCRIPTION	QTY
-	038174	ASSEMBLY, PITCH CONTROL	2
1	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8 W/ THREAD LOCKING (OLD PART 015410)	4
2	015747	PIN, ROLL 3/16" X 1-3/8" SPIROL	2
3	015768	FASTENER, SHCS 1/4"-20 X 1/4"	4
4	029812	BUSHING, SLIDE PITCH CONTROL	2
5	032115	KNOB, PITCH CONTROL HANDLE	2
6	038176	WELDMENT, PITCH CONTROL TUBE	2
7	038178	WELDMENT, PC SHAFT	2
8	012710	THRUST BEARING RACE	4
9	015742	THRUST BEARING	2
10	061529	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT	2
11	032191	STOPPER FOR PITCH CONTROL	2
12	036797	SCREW, 1/4"-28 X 1/4	4
13	036914	BUSHING	2
14	100340	THRUST BEARING	2

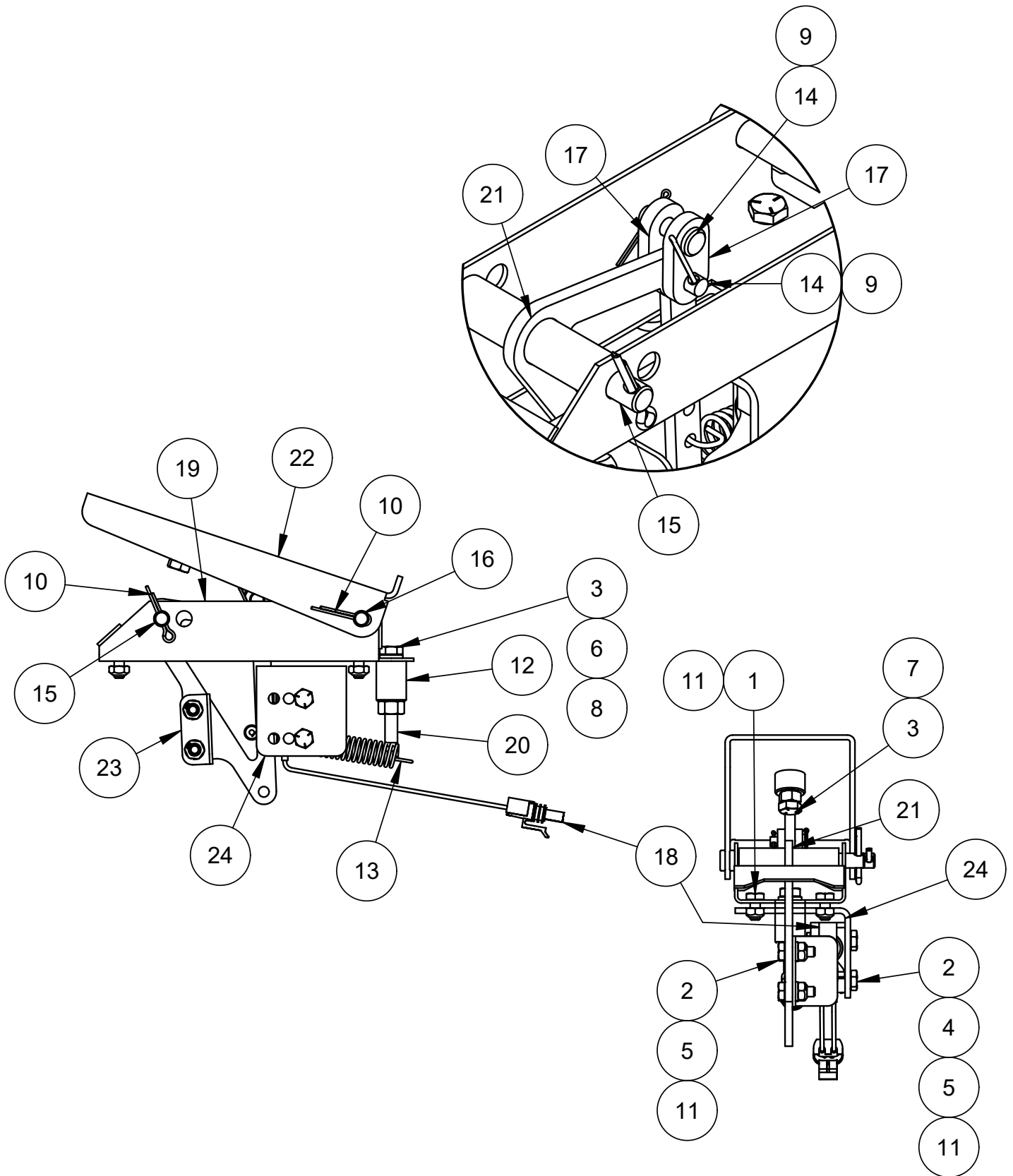
***NOTE:** Part quantities referenced in this table represent quantity needed **PER MACHINE**.



ITEM	PART #	DESCRIPTION	QTY
-	073390	ASSEMBLY, TOP DECK	1
1	071038	TOP DECK OF MAIN FRAME	1
2	071050	ASSEMBLY, THROTTLE PEDAL	1

SECTION 1 PARTS

Throttle Pedal and Kill Switch (071050)



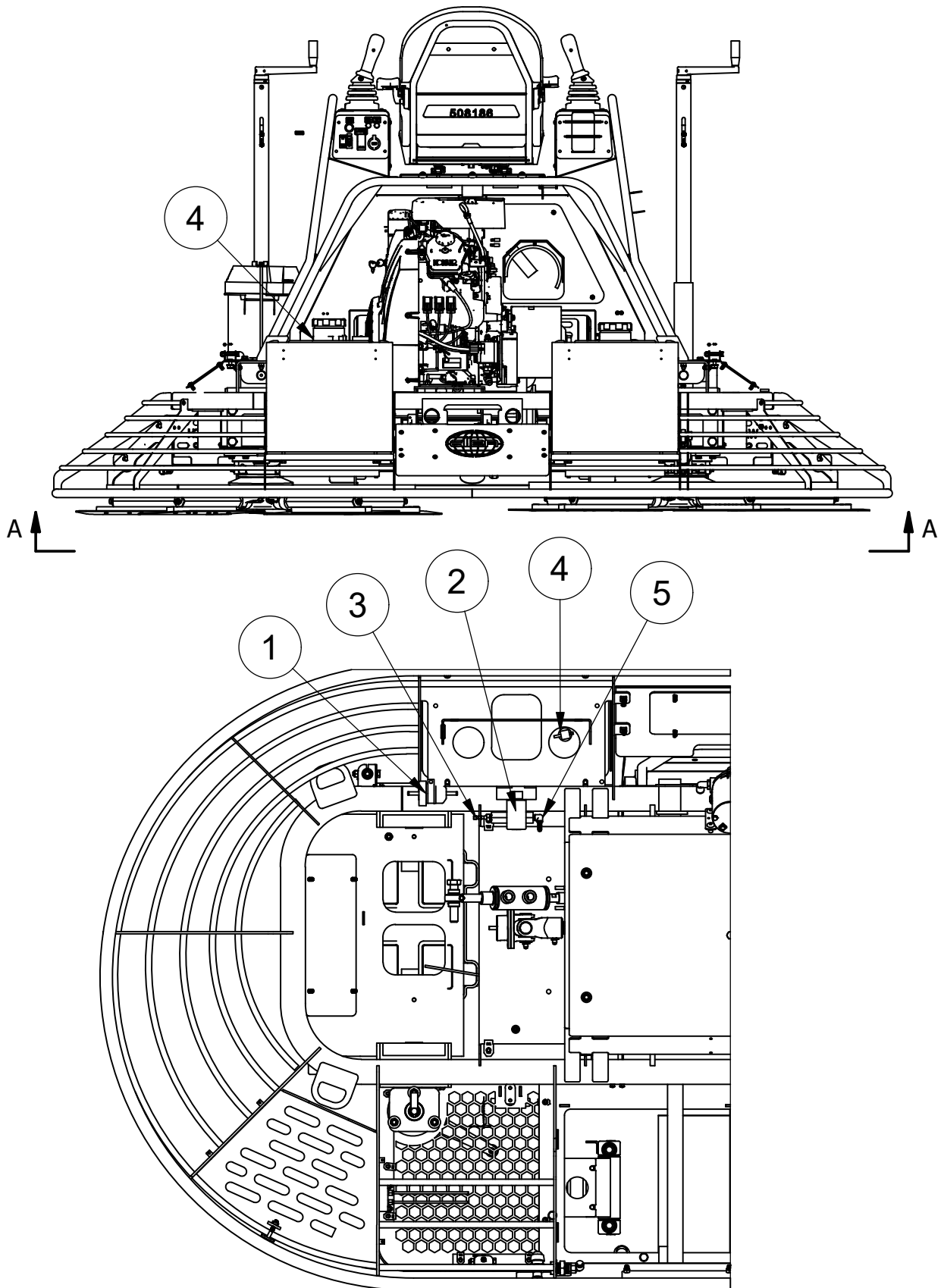
Throttle Pedal and Kill Switch Parts List (071050)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4"-20 X 1/2"	4
2	010002	FASTENER, HHCS 1/4"-20 X 3/4"	4
3	010019	FASTENER, HHCS 5/16"-18 X 3/4"	2
4	010081	FASTENER, FLAT WASHER 1/4"	2
5	010089	FASTENER, LOCK WASHER 1/4"	4
6	010090	FASTENER, LOCK WASHER 5/16"	1
7	010100	FASTENER, HEX NUT 5/16"-18	1
8	010102	FASTENER, HEX NUT 3/8"-18	1
9	010131	COTTER PIN, DIA. 1/16" X 1"	2
10	012361	COTTER PIN DIA. 1/8" X 1"	2
11	020542	FASTENER, STOVER LOCK NUT 1/4"-20	8
12	024842	BOSS, F/ FOOT SPEED	1
13	024981	SPRING, FOOT SPEED CONTROL	1
14	024982	CLEVIS PIN, 1/4" X 51/64"	2
15	024983	FASTENER, CLEVIS PIN 3/8" X 3-1/4"	1
16	028895	FASTENER, CLEVIS PIN 3/8" X 3-3/4"	1
17	040246	SHACKLE, 1-1/4" F/ FOOT SPEED SHORT	2
18	046742	PEDAL KILL SWITCH	1
19	071052	WELDMENT, FOOT THROTTLE BASE	1
20	071055	PIN, F/ SPRING FOOT SPEED	1
21	072858	WELDMENT, THROTTLE LINK	1
22	072859	WELDMENT, FOOT PEDAL	1
23	073372	BRACKET, MOUNT FOR KILL SWITCH	1
24	073372	BRACKET, KILL SWITCH MOUNT	1

SECTION 1 PARTS

Fuel System



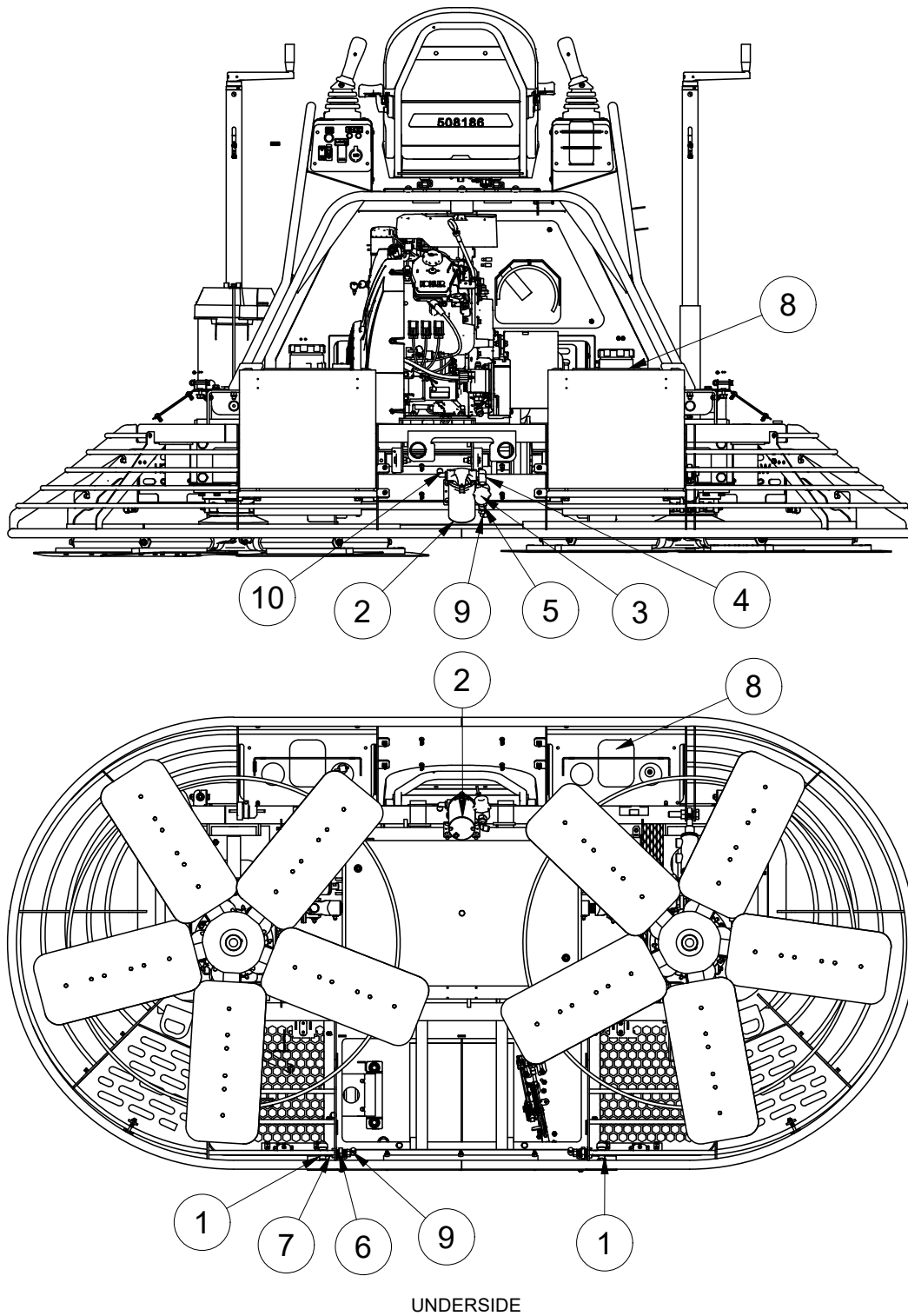
Fuel System Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	057993	FUEL FILTER	1
2	060915	ELECTRIC FUEL PUMP	1
3	069211	HOSE FITTING 1/4" HOSE X 1/8" NPT	1
4	072854	TANK, 7 GAL FUEL	1
5	072877	FTG BARBED ELBOW 1/4" X 1/8"	1

SECTION 1 PARTS

Spray System



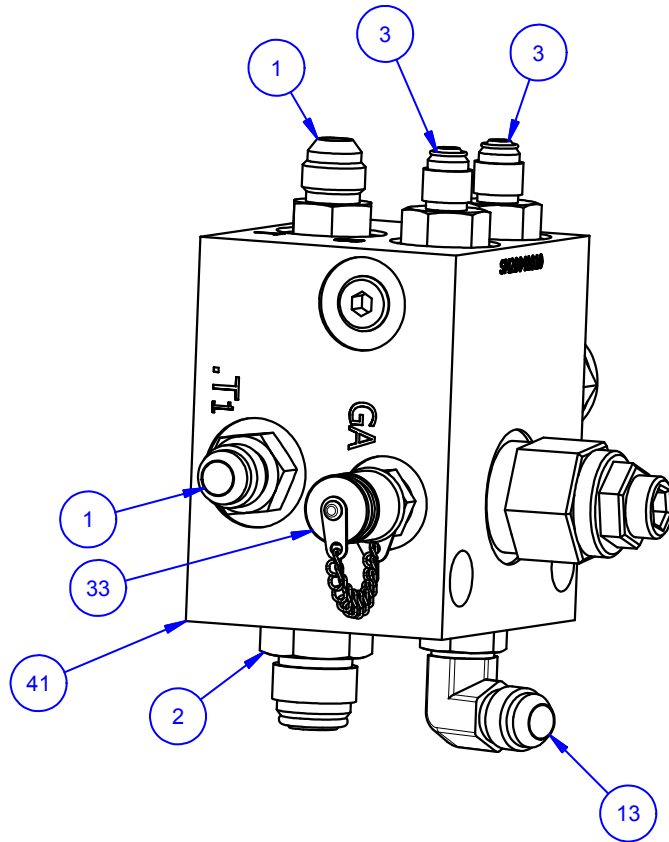
Spray System Parts List

SECTION 1 PARTS

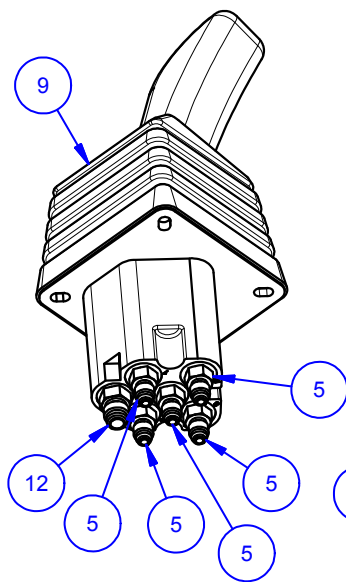
ITEM	PART #	DESCRIPTION	QTY
-	074398	KIT, HYDRAULIC SPRAY AND LUBRICATION	1
1	012704	SPRAY NOZZLE	2
2	033735	PUMP FOR SPRAY SYSTEM	1
3	040209	FILTER FOR SPRAY SYSTEM	1
4	040387	BRASS 3/8" 90° ELBOW STREET	1
5	040388	FTG, 3/8" X 1/4" BRASS FM TO FM REDUCER	1
-	048246	(NOT SHOWN) HOSE, 3/8" WATER LINE	-
6	071016	FTG, BRASS BULK HEAD 1/4" NPT	2
7	071017	FTG, REDUCER HEX NIPPLE 1/4" TO 1/8" NPT	2
8	071536	TANK, 7 GALLON	1
9	071596	FTG, ONE TOUCH ELBOW 1/4" NPT TO 3/8"	3
10	071598	FTG, ONE TOUCH ELBOW 3/8" NPT MALE TO 3/8"	1

SECTION 1 PARTS

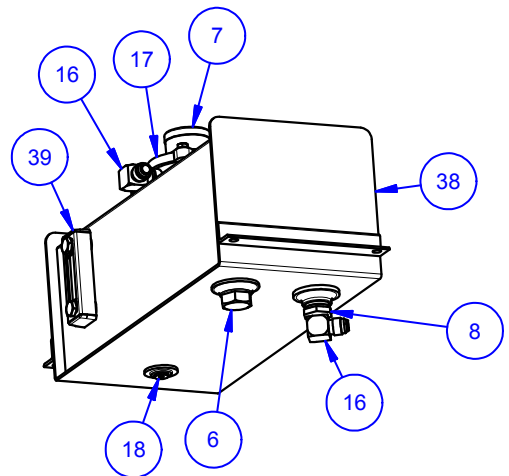
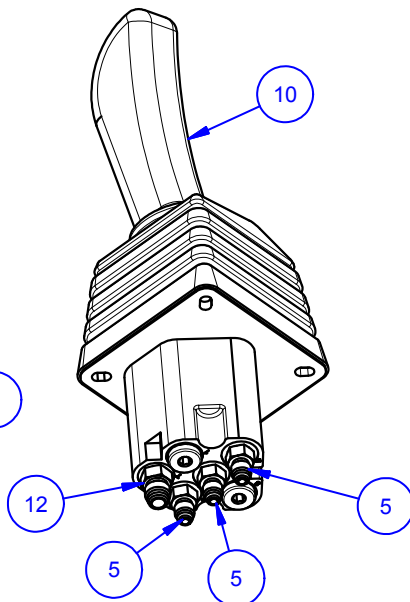
Hydraulics Assembly



RH JOYSTICK



LH JOYSTICK

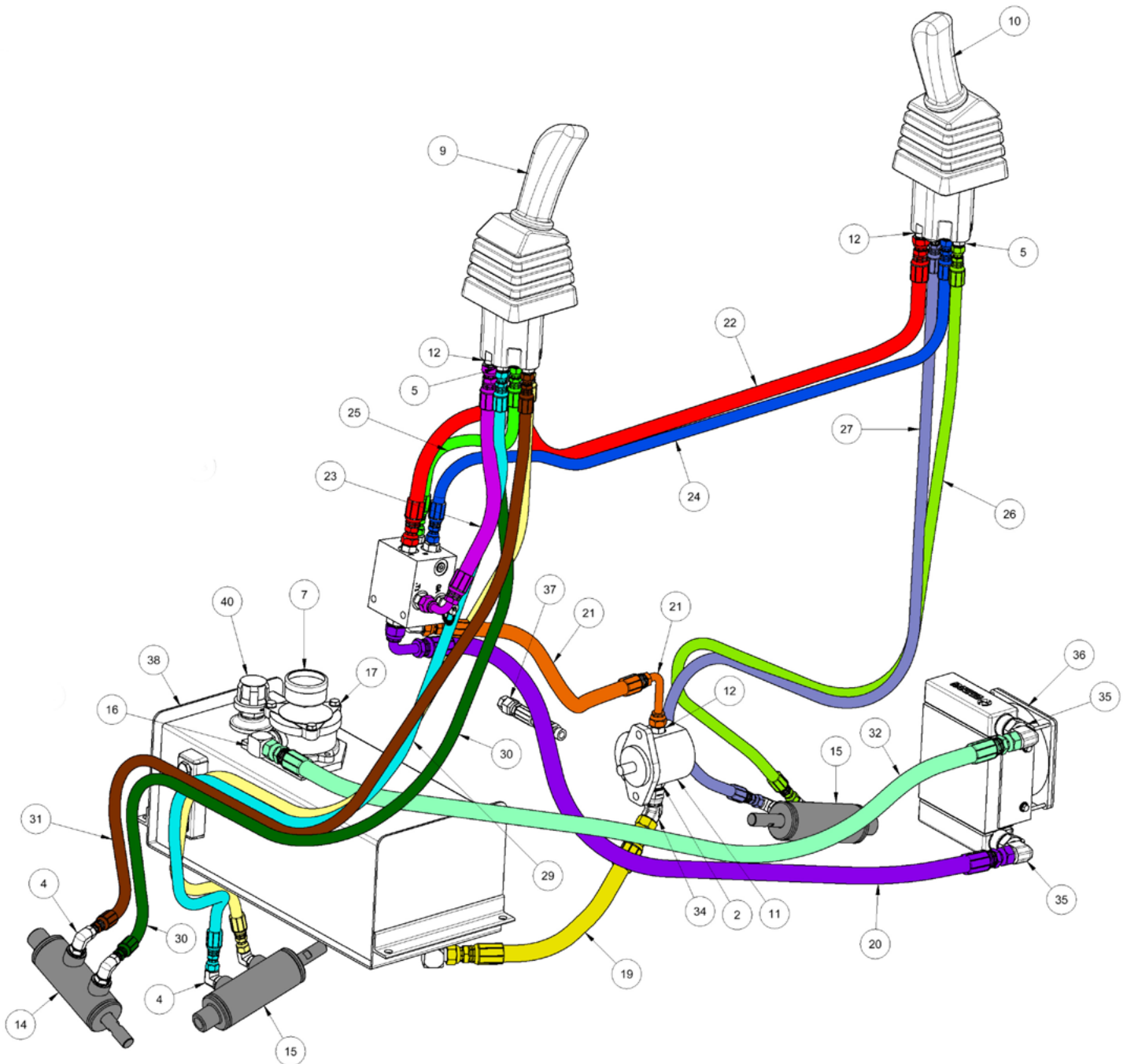


Hydraulics Assembly Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	045915	FTG, F6400-6-6-0 STR JIC-SAE	2
2	045921	FTG, F6400-8-8-0 STR JIC-SAE	2
3	045922	FTG, F6400-4-6-0 STR JIC-SAE	2
4	045923	FTG, F6801-4-6-NWO 90° ELB JIC-SAE	6
5	045928	FTG, F6400-4-4-0 STR JIC-SAE	8
6	045948	FITTING, 7574051 MAGNETIC PLUG	1
7	046241	GAUGE, RETURN FILTER	1
8	046732	SUCTION STRAINER TMF-02-06	1
9	064817	CONTROL VALVE, RH DUAL AXIS	2
10	064818	CONTROL VALVE, LH SINGLE AXIS	1
11	046738	PUMP, GEAR 3.2CC	1
12	046777	FTG, F6400-6-4-0 STR JIC-SAE	3
13	046892	FTG, 6801-6-6-NWO 90° ELB JIC-SAE	1
14	048660	CYLINDER, 1.5X.625 STEERING	1
15	048661	CYLINDER, 1.5X1.25 STEERING	2
16	049058	FTG, F2501-8-8-0 ELB JIC-NPTF	2
17	049978	FILTER, 1/2NPT 20M NOMINAL ELEMENT (FILTER ELEMENT 061528)	1
18	052902	FITTING, HYDRAULIC 6409-8	1
19	052906	HOSE, HYD HS-455-1 (8M3K)	1
20	052907	HOSE, HYD HS-455-2 (8M3K)	1
21	052908	HOSE, HYD HS-455-3 (6M3K)	1
22	052909	HOSE, HYD HS-455-4 (6M3K)	1
23	052910	HOSE, HYD HS-455-5 (6M3K)	1
24	052911	HOSE, HYD HS-455-6 (4M3K)	1
25	052912	HOSE, HYD HS-455-7 (4M3K)	1
26	052913	HOSE, HYD HS-455-8 (4M3K)	1
27	052914	HOSE, HYD HS-455-9 (4M3K)	1
28	052915	HOSE, HYD HS-455-10 (4M3K)	1
29	052916	HOSE, HYD HS-455-11 (4M3K)	1
30	052917	HOSE, HYD HS-455-12 (4M3K)	1
31	052918	HOSE, HYD HS-455-13 (4M3K)	1
32	052920	HOSE, HYD HS-455-15 (4M3K)	1
33	052926	FTG, HYD SMK20-7/16UNF-VE TEST PORT	1
34	052927	FTG, HYD F6502-8-8	1
35	052928	FTY, HYD 9059-8-8	2
36	052930	COOLER, AIR/OIL 2005K-12S-BP	1
37	053334	HOSE, OIL DRAIN	1
38	056910	HYD TANK WMNT	1
39	056932	GAUGE 76MM 3" LEVEL GAUGE	1
40	FI0350	FILLER BREATHER	1
41	046735	MANIFOLD, HYD STEERING	1

Hydraulics Assembly Continued



Hydrauloc Oil 46 (DTE25)
Part Number: 001002

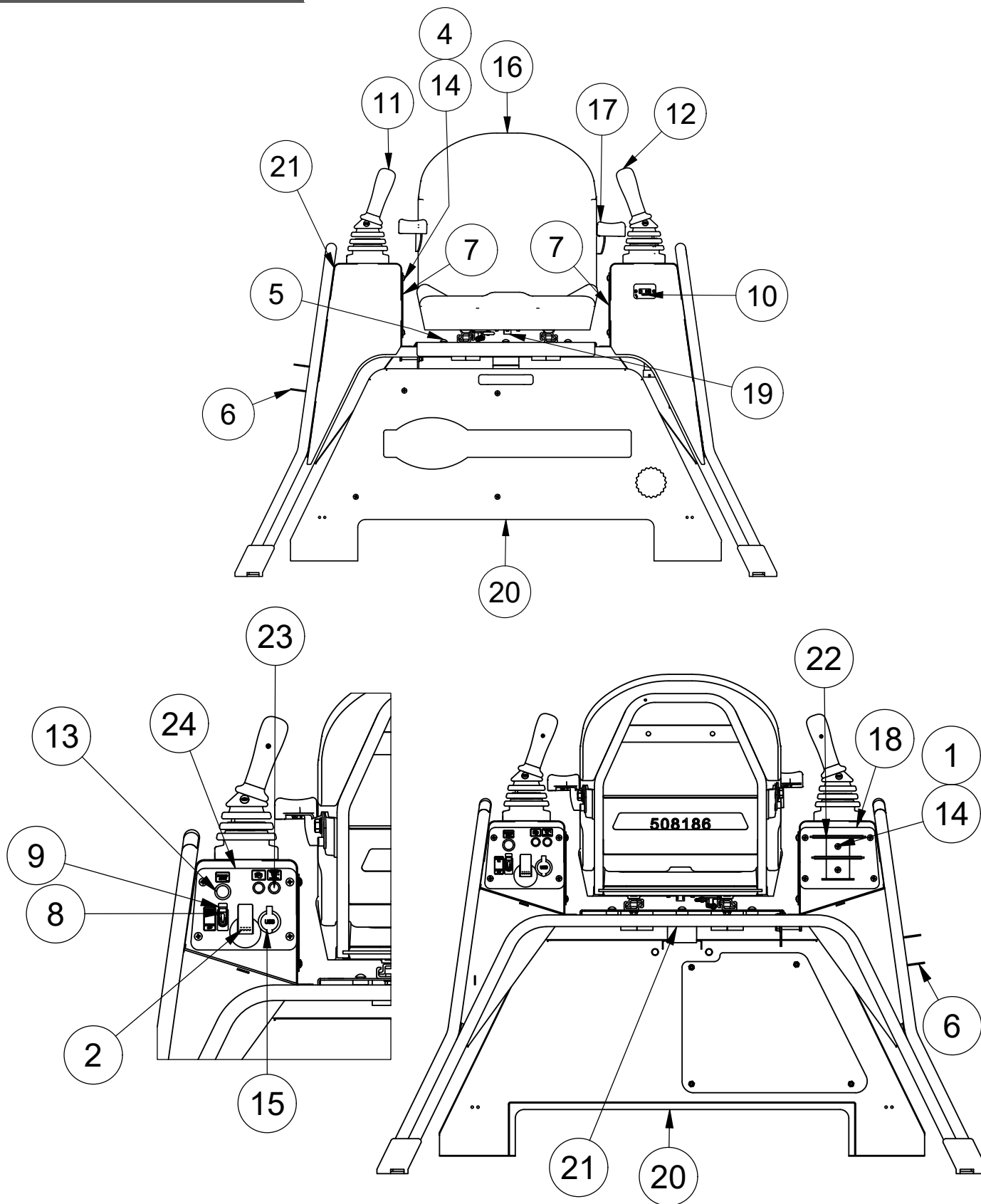
Hydraulics Assembly Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	045915	FTG, F6400-6-6-0 STR JIC-SAE	2
2	045921	FTG, F6400-8-8-0 STR JIC-SAE	2
3	045922	FTG, F6400-4-6-0 STR JIC-SAE	2
4	045923	FTG, F6801-4-6-NWO 90° ELB JIC-SAE	6
5	045928	FTG, F6400-4-4-0 STR JIC-SAE	8
6	045948	FITTING, 7574051 MAGNETIC PLUG	1
7	046241	GAUGE, RETURN FILTER	1
8	046732	SUCTION STRAINER TMF-02-06	1
9	064817	CONTROL VALVE, RH DUAL AXIS	2
10	064818	CONTROL VALVE, LH SINGLE AXIS	1
11	046738	PUMP, GEAR 3.2CC	1
12	046777	FTG, F6400-6-4-0 STR JIC-SAE	3
13	046892	FTG, 6801-6-6-NWO 90° ELB JIC-SAE	1
14	048660	CYLINDER, 1.5X.625 STEERING	1
15	048661	CYLINDER, 1.5X1.25 STEERING	2
16	049058	FTG, F2501-8-8-0 ELB JIC-NPTF	2
17	049978	FILTER, 1/2NPT 20M NOMINAL ELEMENT (FILTER ELEMENT 061528)	1
18	052902	FITTING, HYDRAULIC 6409-8	1
19	052906	HOSE, HYD HS-455-1 (8M3K)	1
20	052907	HOSE, HYD HS-455-2 (8M3K)	1
21	052908	HOSE, HYD HS-455-3 (6M3K)	1
22	052909	HOSE, HYD HS-455-4 (6M3K)	1
23	052910	HOSE, HYD HS-455-5 (6M3K)	1
24	052911	HOSE, HYD HS-455-6 (4M3K)	1
25	052912	HOSE, HYD HS-455-7 (4M3K)	1
26	052913	HOSE, HYD HS-455-8 (4M3K)	1
27	052914	HOSE, HYD HS-455-9 (4M3K)	1
28	052915	HOSE, HYD HS-455-10 (4M3K)	1
29	052916	HOSE, HYD HS-455-11 (4M3K)	1
30	052917	HOSE, HYD HS-455-12 (4M3K)	1
31	052918	HOSE, HYD HS-455-13 (4M3K)	1
32	052920	HOSE, HYD HS-455-15 (4M3K)	1
33	052926	FTG, HYD SMK20-7/16UNF-VE TEST PORT	1
34	052927	FTG, HYD F6502-8-8	1
35	052928	FTY, HYD 9059-8-8	2
36	052930	COOLER, AIR/OIL 2005K-12S-BP	1
37	053334	HOSE, OIL DRAIN	1
38	056910	HYD TANK WMNT	1
39	056932	GAUGE 76MM 3" LEVEL GAUGE	1
40	FI0350	FILLER BREATHER	1
41	046735	MANIFOLD, HYD STEERING	1

SECTION 1 PARTS

Seat Frame Assembly (071075)



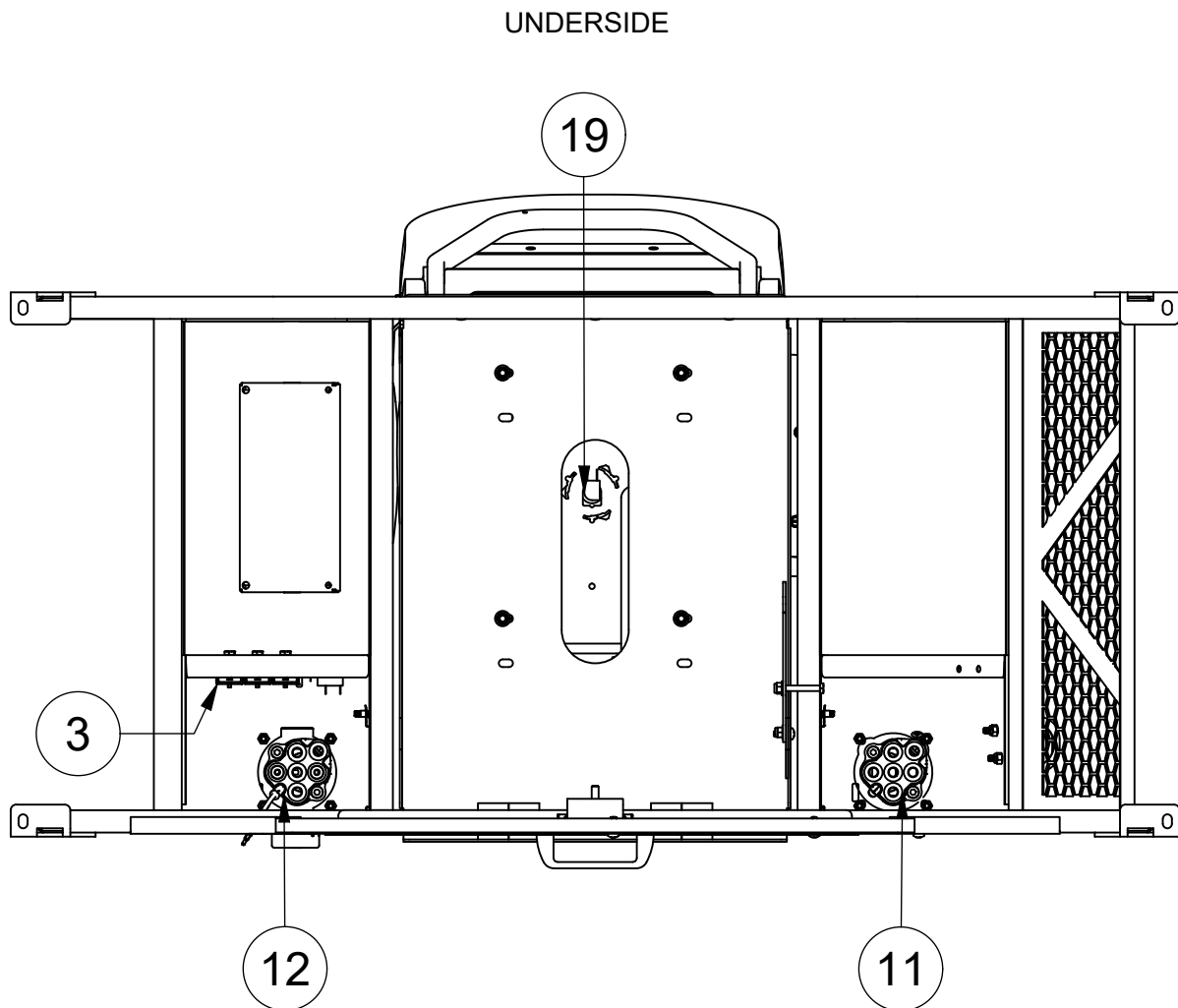
Seat Frame Assembly Parts List (071075)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	029671	FASTENER, HEX NUT NYLOCK 1/4"-20	10
2	032125	ROCKER SWITCH FOR LIGHTS	1
3	047052	RELAY	4
4	047546	PAL NUT 1/4"-20	16
5	047665	RUBBER BUMPER	3
6	049632	BRACKET, TOOL HOLDER	1
7	050049	ACCESS PANEL	2
8	050603	TOGGLE SWITCH, ON/OFF	1
9	050604	COVER FOR TOGGLE SWITCH	1
10	064386	TACH/HOUR METER	1
11	064817	CONTROL VALVE, RIGHT HAND DUAL AXIS	1
12	064818	CONTROL VALVE, LEFT HAND SINGLE AXIS	1
13	068956	MOMENTARY SWITCH	1
14	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	21
15	069850	USB RECEPTACLE 12V	1
16	069874	SEAT	1
17	069875	ARM REST SET (RH/LH)	1
18	070479	COVER PANEL, RH INSIDE	1
19	071032	SWITCH, KILL SWITCH	1
20	071066	ASSEMBLY, FRONT SCREEN	1
21	071076	WELDMENT, SEAT FRAME	1
22	071120	CUP HOLDER	1
23	073948	LED, RED	2
24	075250	PANEL, ENGINE CONTROLS	1

SECTION 1 PARTS

Seat Frame Assembly Continued (071075)



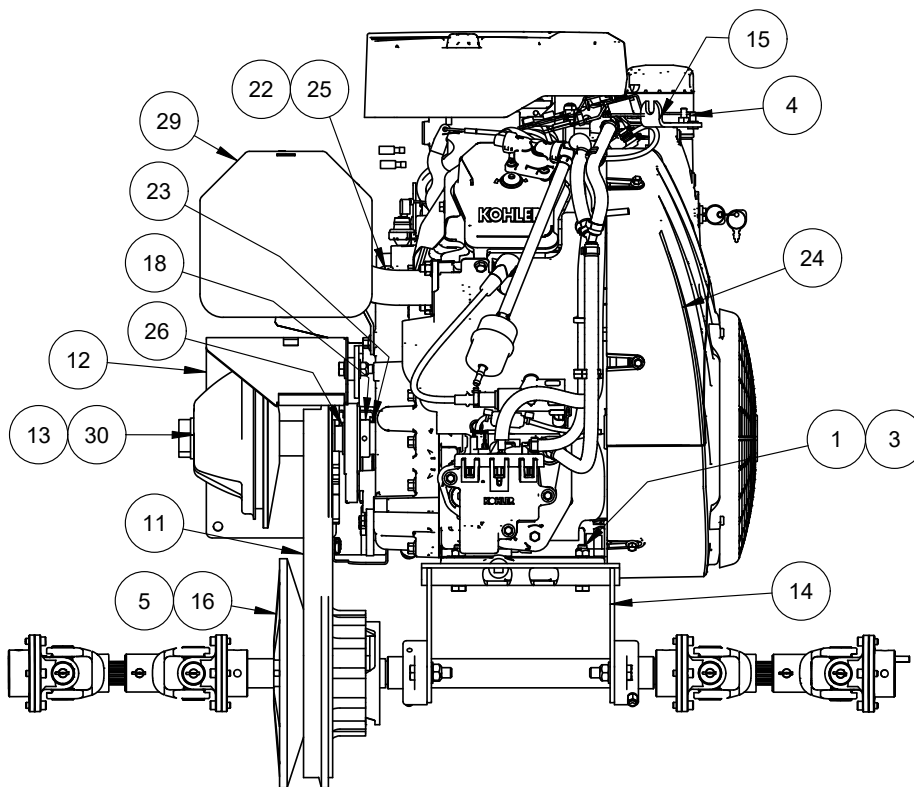
Seat Frame Assembly Parts List (071075)

SECTION 1 PARTS

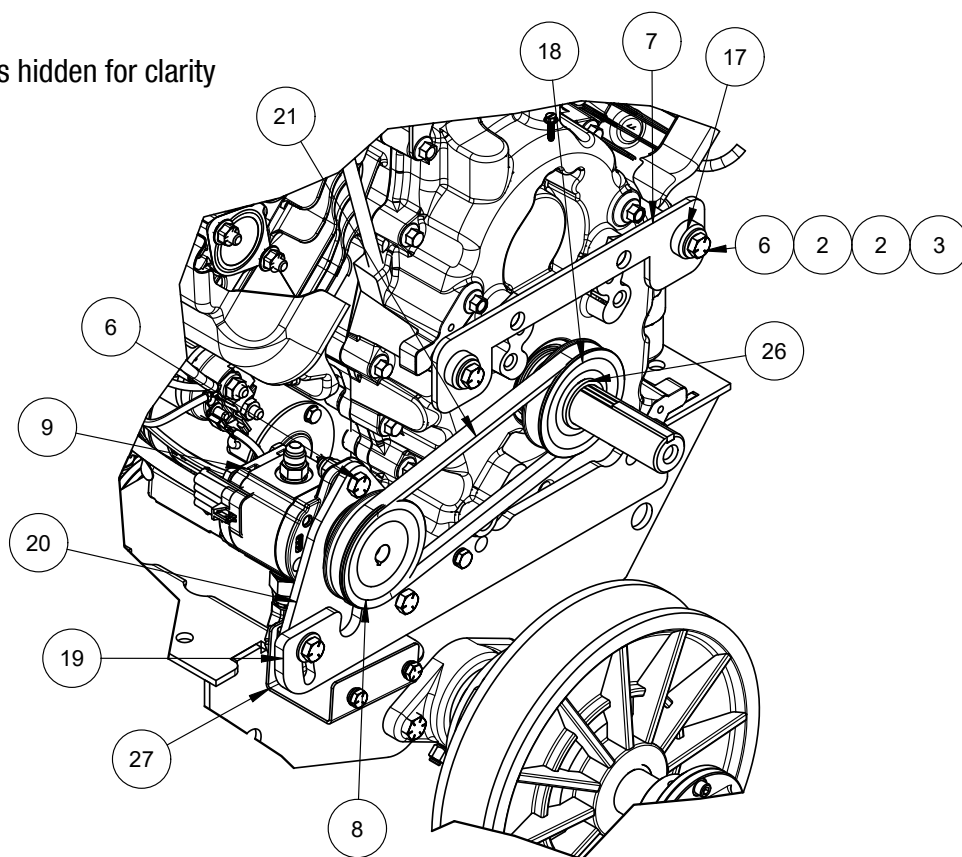
ITEM	PART #	DESCRIPTION	QTY
1	029671	FASTENER, HEX NUT NYLOCK 1/4"-20	10
2	032125	ROCKER SWITCH FOR LIGHTS	1
3	047052	RELAY	4
4	047546	PAL NUT 1/4"-20	16
5	047665	RUBBER BUMPER	3
6	049632	BRACKET, TOOL HOLDER	1
7	050049	ACCESS PANEL	2
8	050603	TOGGLE SWITCH, ON/OFF	1
9	050604	COVER FOR TOGGLE SWITCH	1
10	064386	TACH/HOUR METER	1
11	064817	CONTROL VALVE, RIGHT HAND DUAL AXIS	1
12	064818	CONTROL VALVE, LEFT HAND SINGLE AXIS	1
13	068956	MOMENTARY SWITCH	1
14	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	21
15	069850	USB RECEPTACLE 12V	1
16	069874	SEAT	1
17	069875	ARM REST SET (RH/LH)	1
18	070479	COVER PANEL, RH INSIDE	1
19	071032	SWITCH, KILL SWITCH	1
20	071066	ASSEMBLY, FRONT SCREEN	1
21	071076	WELDMENT, SEAT FRAME	1
22	071120	CUP HOLDER	1
23	073948	LED, RED	2
24	075250	PANEL, ENGINE CONTROLS	1

SECTION 1 PARTS

Power Unit Assembly (070120)



Parts hidden for clarity



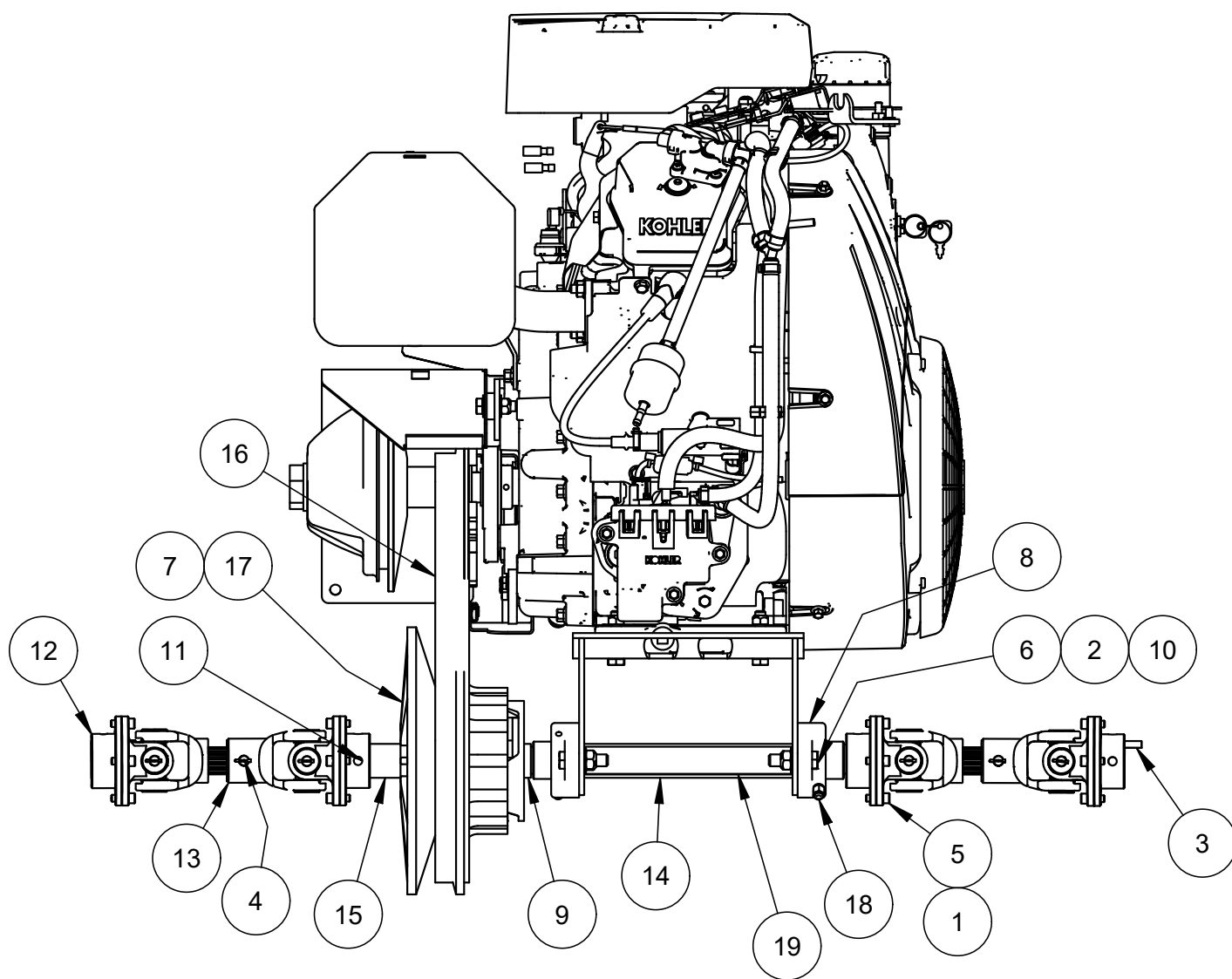
Power Unit Assembly Parts List (070120)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010039	FASTENER, HHCS 3/8" -16 X 1-3/4"	4
2	017751	FASTENER, FLAT WASHER 3/8"	5
3	020514	FASTENER, STOVER LOCK NUT	6
4	024984	PIVOT, FOOT SPEED CONTROL	2
5	026992	KEY, 1/4" X 3-1/8"	1
6	032875	FASTENER, HHCS 3/8" -16 X 1-1/4"	6
7	033638	BRACKET F/ CLUTCH GUARD W/ KOHLER	1
8	046550	HYDRAULIC PUMP SHEAVE	1
9	046738	HYDRAULIC PUMP	1
10	048908	SPACER	1
11	051332	BELT, CVT	1
12	053136	CLUTCH COVER	1
13	053210	KEY, 3/16" X 1/4" X 2"	1
14	053308	WELDMENT, ENGINE PLATE	1
15	053385	THROTTLE BRACKET	1
16	053389	DRIVEN PULLEY	1
17	056470	BUSHING, NITRILE	2
18	056775	PULLEY, AK30 1-1/8" ID	1
19	056906	PUMP AND ENGINE CONNECTING PLATE	1
20	056912	WELDMENT, PUMP MOUNTING PLATE	1
21	056922	V BELT	1
22	056938	HEAT WRAP 14" X 20"	1
23	059513	SPACER F/ CLUTCH, INNER	1
24	065825	ENGINE, KOHLER ECH980	1
25	065875	MUFFLER	1
26	067409	SPACER F/ CLUTCH, OUTER	1
27	071586	BRACKET, PULLEY COVER	1
28	071588	PUMP COVER	1
29	072755	MUFFLE GUARD	1
30	073310	CLUTCH, DRIVER PULLEY	1
-	047730	BATTERY CABLE, 4 AWG 32" POSITIVE	1
-	048976	BATTERY CABLE, 4 AWG 35" NEGATIVE	1

SECTION 1 PARTS

Power Unit Continued Drive line Assembly (070120)



Note item 14 was made transparent for clarity

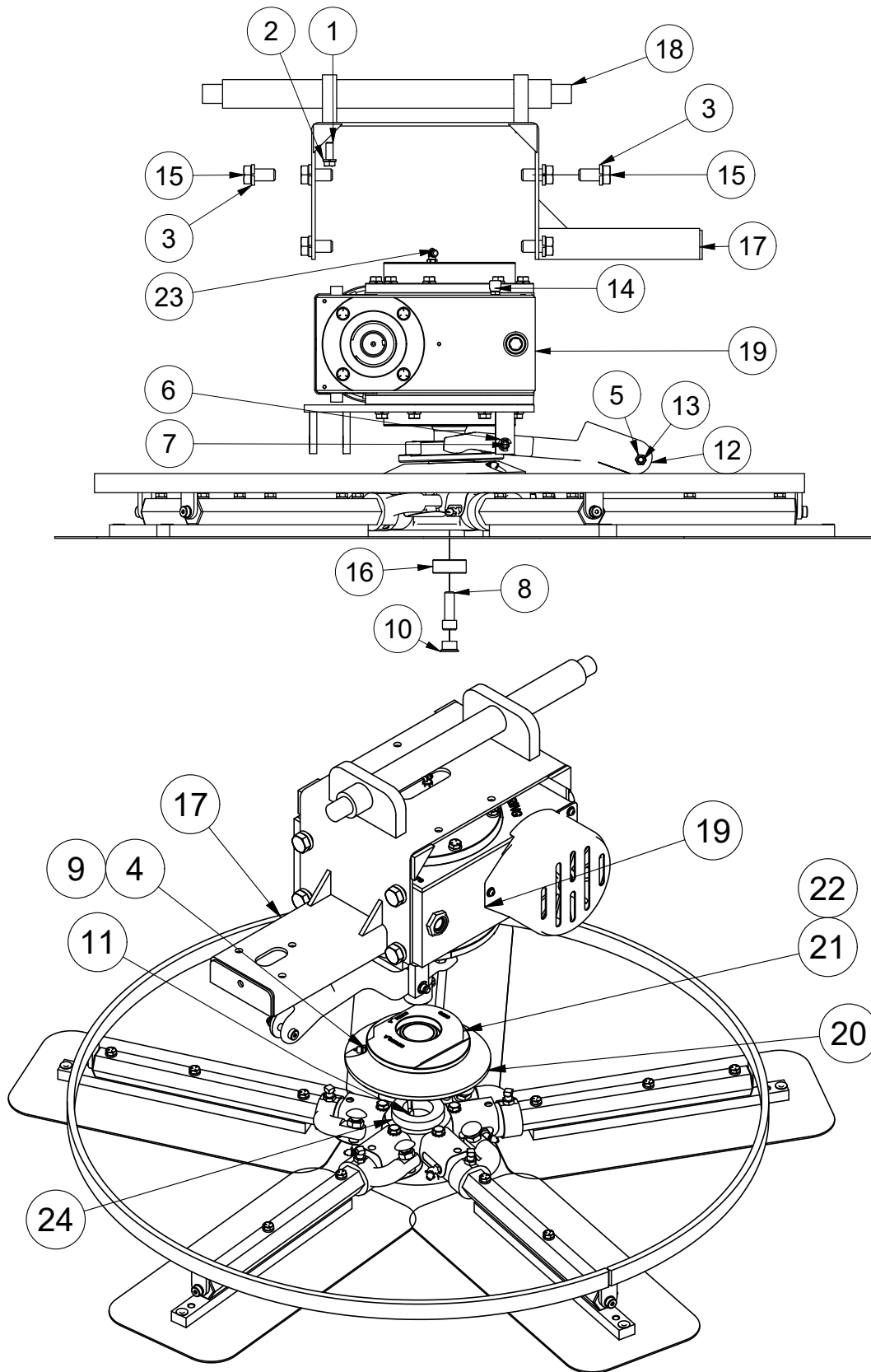
Drive line Assembly Parts List (070120)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010089	FASTENER, LOCK WASHER 1/4"	20
2	010096	FASTENER, FLAT WASHER 7/16"	4
3	011791	KEY, 1/4" SQ X 1"	4
4	015692	GREASE CAP 1/4"	6
5	017314	FASTENER, SHCS 1/4"-20 X 5/8"	16
6	017898	FASTENER, HHCS 7/16"-20 X 1-1/2" GRADE 8	4
7	026992	KEY, 1/4" X 3-1/8"	1
8	039136	FLANGED BEARING, 1"	2
9	042466	SPACER, 1" X 1/4"	1
10	047477	FASTENER, STOVER NUT 7/16"-20	4
11	047635	HUB, U-JOINT CENTER SHAFT DIA. 1"	2
12	047636	HUB, U-JOINT GEARBOX SHAFT DIA. 1-1/4"	2
13	047637	ASSEMBLY, U-JOINT TELESOPING	2
14	048810	SPACER FOR DRIVEN PULLEY	1
15	048908	SPACER, 1-1/8" F/ DRIVEN PULLEY	1
16	051332	BELT, CVT	1
17	053389	DRIVEN PULLEY	1
18	073817	STRAIGHT PUSH IN FOR 4mm TUBING 1/8" NPT	2
19	075219	DRIVE SHAFT	1

SECTION 1 PARTS

Left Hand Rotor Assembly (073526)

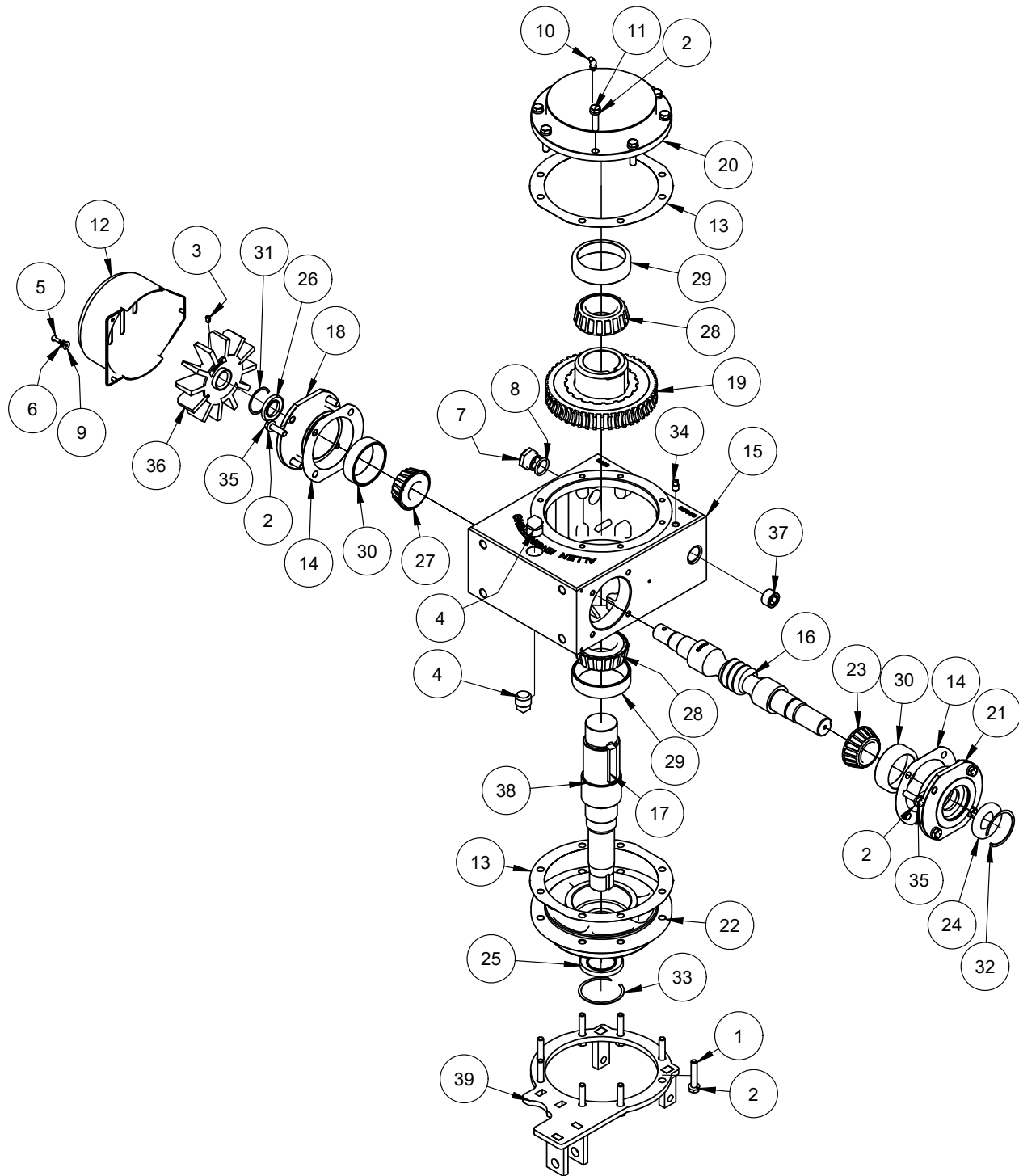


LH Rotor Assembly Parts List (073526)**SECTION 1
PARTS**

ITEM	PART #	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8"-16 X 1" GRADE 8	4
2	010091	FASTENER, LOCK WASHER 3/8" GRADE 8	4
3	010095	FASTENER, LOCK WASHER 5/8" GRADE 8	8
4	010513	FITTING, 1/4"-28 STR GREASE	
5	012612	FASTENER, NUT HEX NYLOCK 5/16"-18	1
6	015677	FASTENER, RETAINING RING DIA. 7/16"	2
7	015678	PIN FOR YOKE ARM 7-3/8" DIA. 7/16"	1
8	015691	FASTENER, SHCS 1/2"-13 X 1-1/2" RH THREAD	1
9	015692	GREASE CAP DIA. 1/4"	6
10	015693	PLUG, PLASTIC CAP	1
11	015696	KEY, 1/4" X 1-1/8"	1
12	026215	YOKE ARM	1
13	026504	FASTENER, SHLD BOLT 3/8" X 1-1/4"	1
14	029529	RELIEF VALVE 1/8"-27 NPT	1
15	036787	FASTENER, HHCS 5/8"-11 X 1-1/4" GRADE 8	8
16	037652	RETAINING WASHER	1
17	048881	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
18	048966	WELDMENT, 2 WAY CROSSHEAD	1
19	056894	LEFT GEARBOX	1
20	073522	PLATE, PRESSURE PLATE	1
21	073523	CAP, SHD PRESSURE PLATE	1
22	073524	THRUST BEARING	1
23	074094	FITTING, 90° ELBOW 4mm TUBE X 1/4"-28	1
24	079266	ASSEMBLY, LOWER SPIDER LH	1

SECTION 1 PARTS

Left Hand Gearbox Assembly (056894)



NOTES:

1. The shim thicknesses are established at the factory, call customer service for the appropriate replacement size.

LH Gearbox Assembly Parts List (056894)

SECTION 1 PARTS

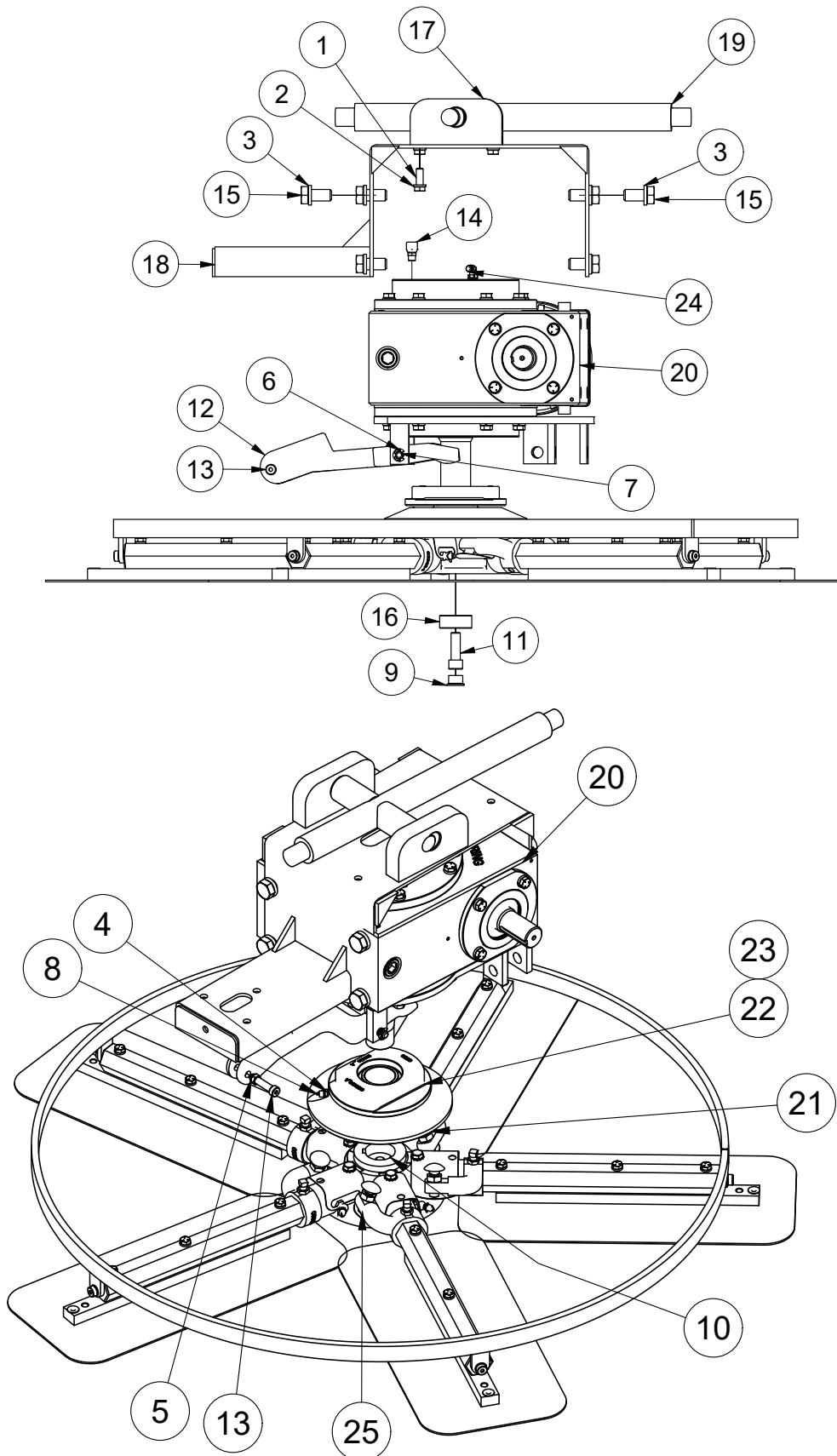
ITEM	PART #	DESCRIPTION	QTY
-	-	OIL, GEARBOX KLUBER GH-460	2.84 L
1	010040	FASTENER, HHCS 3/8"-16 X 2"	8
2	010091	FASTENER, LOCK WASHER 3/8"	24
3	012869	FASTENER, SHSS 1/4"-20 X 3/8"	1
4	012953	PLUG, 3/4" NPT	2
5	013484	FASTENER, SCREW #10-24 X 1/2"	3
6	013740	FASTENER, STAR WASHER #10	3
7	015672	GAUGE, 3/4"-14 NPT PORTHOLE VIEW	1
8	015673	O-RING 15/16" X 1-3/16" X 1/8" BUNA	1
9	018072	FASTENER, FLAT WASHER #10	3
10	018510	GREASE FITTING, 1/4"-28 45°	1
11	028402	FASTENER, HHCS 3/8"-16 X 1-1/2"	8
12	028703	SHROUD FOR FAN	1
13	028914-XX	GASKET SHIM, FOR TOP/BOTTOM CAP	AS REQ.
14	028915-XX	GASKET SHIM, FOR CAP FLANGE/END	AS REQ.
15	029143	GEARBOX CASE	1
16	029145	SHAFT, INPUT RH	1
17	029146	KEY, 1/2" X 2-1/2"	1
18	029147	FLANGE FOR GEARBOX	1
19	029149	GEAR, BRONZE/IRON RH	1
20	029150	CAP, LARGE FOR GEARBOX TOP	1
21	029154	CAP, END FOR GEARBOX	1
22	029155	CAP, LARGE FOR GEARBOX BOTTOM	1
23	029178	BEARING, TAPERED 1.4375" BORE	1
24	029179	SEAL, LDS & SMALL BORE 1.375"ID	1
25	029180	SEAL, OIL RADIAL SHAFT 1.875"	1
26	029181	SEAL, LDS & SMALL BORE 1.125"ID	1
27	029182	BEARING, TAPERED 1.3125" BORE	1
28	029183	BEARING, TAPERED 2" BORE	2
29	029184	BEARING RACE, TAPERED DIA. 3-43/64"	2
30	029272	BEARING RACE, TAPERED DIA. 3"	2
31	032713	RETAINING RING, 1.8270"	1
32	032714	RETAINING RING, 2.4780"	1
33	032715	RETAINING RING 2.857"	1
34	032745	PLUG, 1/8 NPT	1
35	032875	FASTENER, HHCS 3/8"-16 X 1-1/4"	8
36	034541	FAN FOR GEARBOX	1
37	035327	PLUG, 3/4"-14 NPT HOLLOW HEX	1
38	037650	SHAFT, MAIN RH	1
39	056895	BRACKET, LH FOR GEARBOX	1

NOTES:

1. The shim thicknesses are established at the factory, call customer service for the appropriate replacement size.

SECTION 1 PARTS

Right Hand Rotor Assembly (073525)



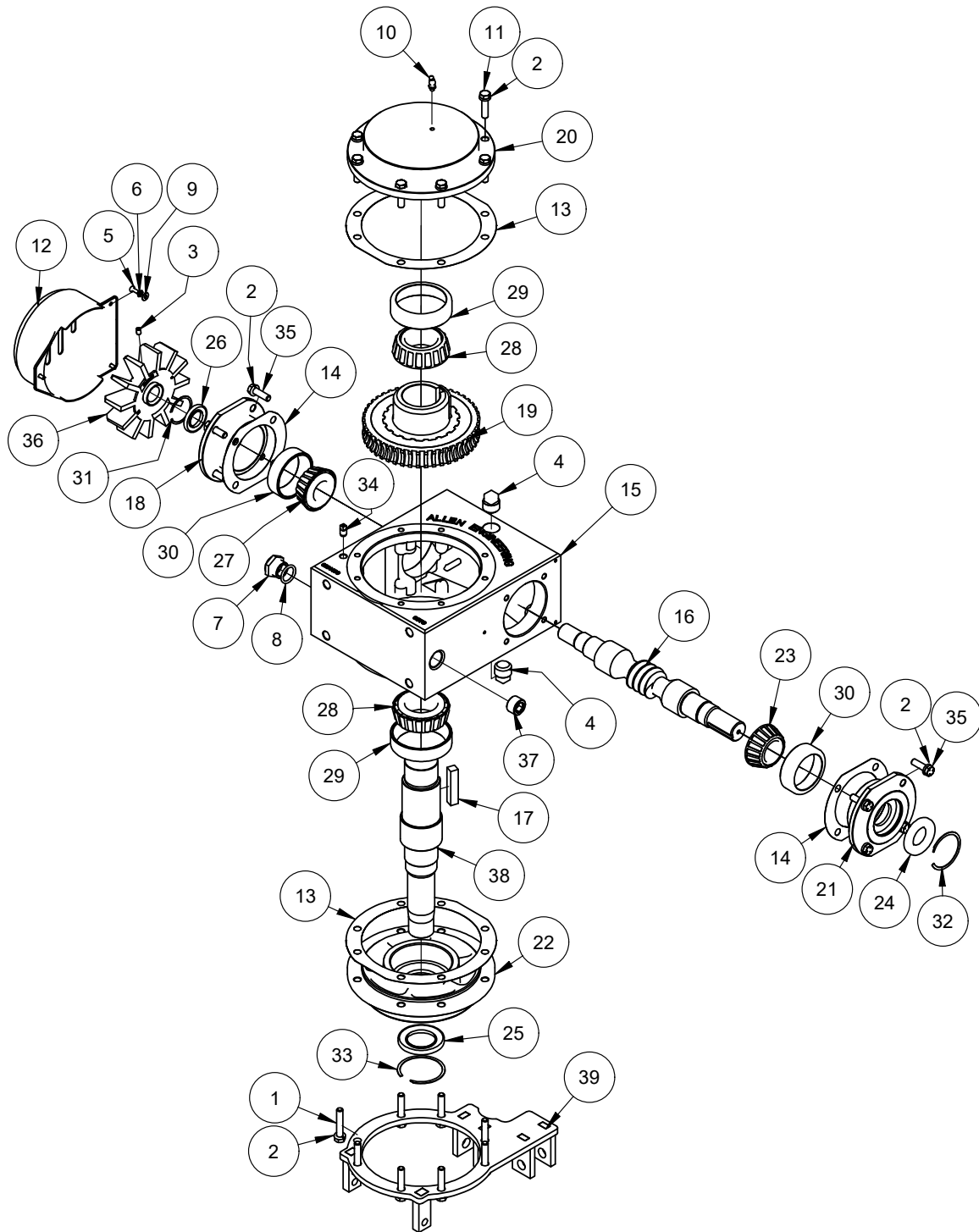
RH Rotor Assembly Parts List (073525)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8"-16 X 1" GRADE 8	4
2	010091	FASTENER, LOCK WASHER 3/8" GRADE 8	4
3	010095	FASTENER, LOCK WASHER 5/8" GRADE 8	8
4	010513	FITTING, 1/4"-28 STR GREASE	1
5	012612	FASTENER, NUT HEX NYLOCK 5/16"-18	1
6	015677	FASTENER, RETAINING RING DIA. 7/16"	2
7	015678	PIN FOR YOKE ARM 7-3/8" DIA. 7/16"	1
8	015692	GREASE CAP DIA. 1/4"	6
9	015693	PLUG, PLASTIC CAP	1
10	015696	KEY, 1/4" X 1-1/8"	1
11	020155	FASTENER, SHCS 1/2"-13 X 1-1/2" LH THREAD	1
12	026215	YOKE ARM	1
13	026504	FASTENER, SHLD BOLT 3/8" X 1-1/4"	1
14	029529	RELIEF VALVE 1/8"-27 NPT	1
15	036787	FASTENER, HHCS 5/8"-11 X 1-1/4" GRADE 8	8
16	037652	RETAINING WASHER	1
17	048561	BEARING ASSEMBLY FOR ROTOR MOUNT	2
-	048560	BEARING, FLANGED FOR ROTOR MOUNT	2
18	048881	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
19	048964	WELDMENT, 4 WAY CROSSHEADS	1
20	056873	RIGHT GEARBOX	1
21	073522	PLATE, PRESSURE PLATE	1
22	073523	CAP, SHD PRESSURE PLATE	1
23	073524	THRUST BEARING	1
24	074094	FITTING, 90° ELBOW 4mm TUBE X 1/4"-28	1
25	079267	ASSEMBLY, LOWER SPIDER RH	1

SECTION 1 PARTS

Right Hand Gearbox Assembly (056873)



NOTES:

1. The shim thicknesses are established at the factory, call customer service for the appropriate replacement size.

RH Gearbox Assembly Parts List (056873)

SECTION 1 PARTS

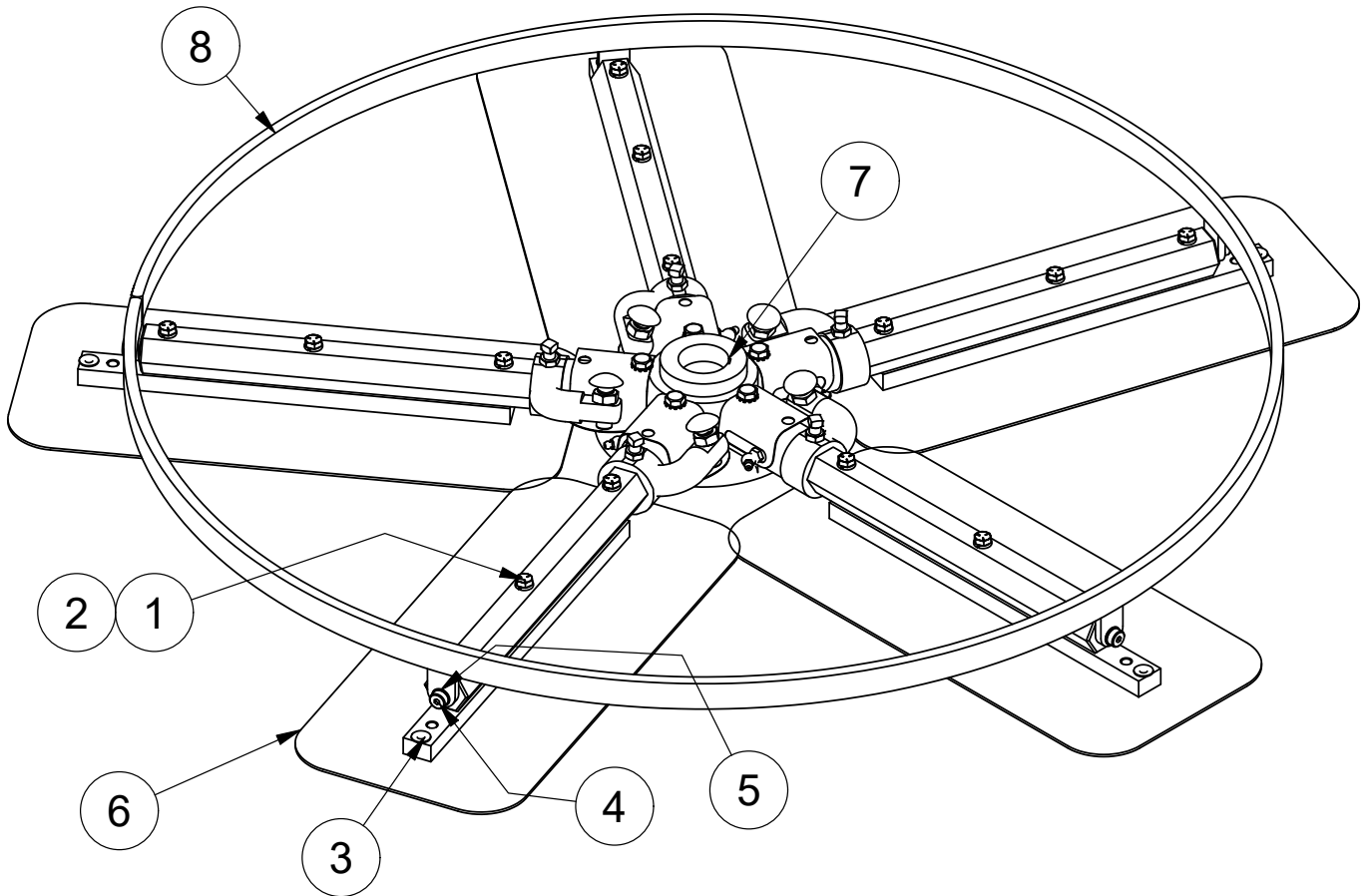
ITEM	PART #	DESCRIPTION	QTY
-	-	OIL, GEARBOX KLUBER GH-460	2.84 L
1	010040	FASTENER, HHCS 3/8"-16 X 2"	8
2	010091	FASTENER, LOCK WASHER 3/8"	24
3	012869	FASTENER, SHSS 1/4"-20 X 3/8"	1
4	012953	PLUG, 3/4" NPT	2
5	013484	FASTENER, SCREW #10-24 X 1/2"	3
6	013740	FASTENER, STAR WASHER #10	3
7	015672	GAUGE, 3/4"-14 NPT PORTHOLE VIEW	1
8	015673	O-RING 15/16" X 1-3/16" X 1/8" BUNA	1
9	018072	FASTENER, FLAT WASHER #10	3
10	018510	GREASE FITTING, 1/4"-28 45°	1
11	028402	FASTENER, HHCS 3/8"-16 X 1-1/2"	8
12	028703	SHROUD FOR FAN	1
13	028914-XX	GASKET SHIM, FOR TOP/BOTTOM CAP	AS REQ.
14	028915-XX	GASKET SHIM, FOR CAP FLANGE/END	AS REQ.
15	029143	GEARBOX CASE	1
16	029144	SHAFT, INPUT LH	1
17	029146	KEY, 1/2" X 2-1/2"	1
18	029147	FLANGE FOR GEARBOX	1
19	029148	GEAR, BRONZE/IRON LH	1
20	029150	CAP, LARGE FOR GEARBOX TOP	1
21	029154	CAP, END FOR GEARBOX	1
22	029155	CAP, LARGE FOR GEARBOX BOTTOM	1
23	029178	BEARING, TAPERED 1.4375" BORE	1
24	029179	SEAL, LDS & SMALL BORE 1.375"ID	1
25	029180	SEAL, OIL RADIAL SHAFT 1.875"	1
26	029181	SEAL, LDS & SMALL BORE 1.125"ID	1
27	029182	BEARING, TAPERED 1.3125" BORE	1
28	029183	BEARING, TAPERED 2" BORE	2
29	029184	BEARING RACE, TAPERED DIA. 3-43/64"	2
30	029272	BEARING RACE, TAPERED DIA. 3"	2
31	032713	RETAINING RING, 1.8270"	1
32	032714	RETAINING RING, 2.4780"	1
33	032715	RETAINING RING 2.857"	1
34	032745	PLUG, 1/8 NPT	1
35	032875	FASTENER, HHCS 3/8"-16 X 1-1/4"	8
36	034541	FAN FOR GEARBOX	1
37	035327	PLUG, 3/4"-14 NPT HOLLOW HEX	1
38	037651	SHAFT, MAIN LH	1
39	056870	BRACKET, RH FOR GEARBOX	1

NOTES:

1. The shim thicknesses are established at the factory, call customer service for the appropriate replacement size.

SECTION 1 PARTS

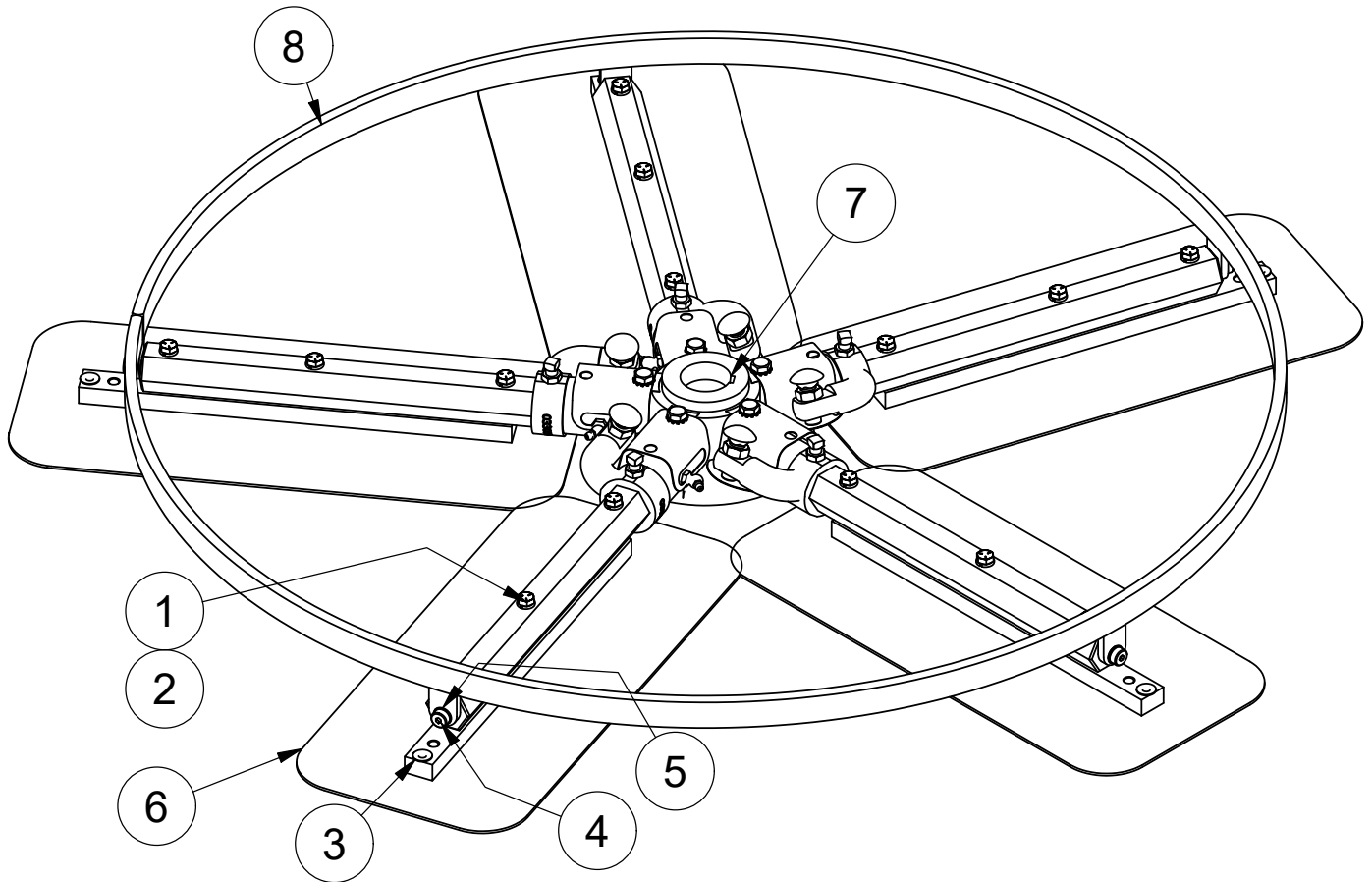
Left Hand Lower Spider Assembly



ITEM	PART #	DESCRIPTION	QTY
-	079266	ASSEMBLY, LH LOWER SPIDER	1
1	010024	FASTENER, HHCS 5/16"-18 X 2" GRADE 8	15
2	010090	FASTENER, LOCK WASHER 5/16" GRADE 8	15
3	015694	TAPERED PLUG	5
4	025091	FASTENER, SHLDR SC 5/16"-18X1/2 DIA.3/8"X3/8"	5
5	025092	BUSHING 3/8" X 1/2" X 5/16"	5
6	028778V	BLADE, 8" X 18" FLAT FINISHING GOLD	5
7	040794	SPIDER ASSEMBLY, LH	1
8	040833	WELDMENT, STABILIZING RING	1

Right Hand Lower Spider Assembly

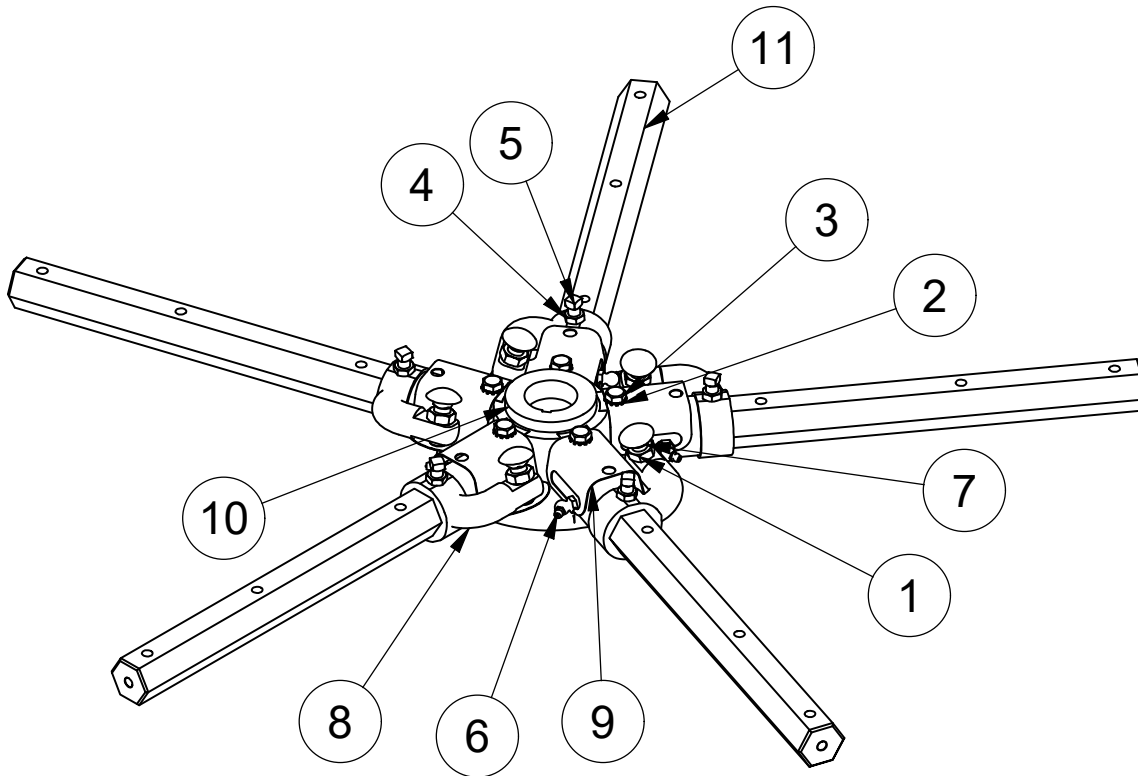
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	079267	ASSEMBLY, RH LOWER SPIDER	1
1	010024	FASTENER, HHCS 5/16"-18 X 2" GRADE 8	15
2	010090	FASTENER, LOCK WASHER 5/16" GRADE 8	15
3	015694	TAPERED PLUG	5
4	025091	FASTENER, SHLDR SC 5/16"-18X1/2 DIA.3/8"X3/8"	5
5	025092	BUSHING 3/8" X 1/2" X 5/16"	5
6	028778V	BLADE, 8" X 18" FLAT FINISHING GOLD	5
7	040795	SPIDER ASSEMBLY, RH	1
8	040833	WELDMENT, STABILIZING RING	1

SECTION 1 PARTS

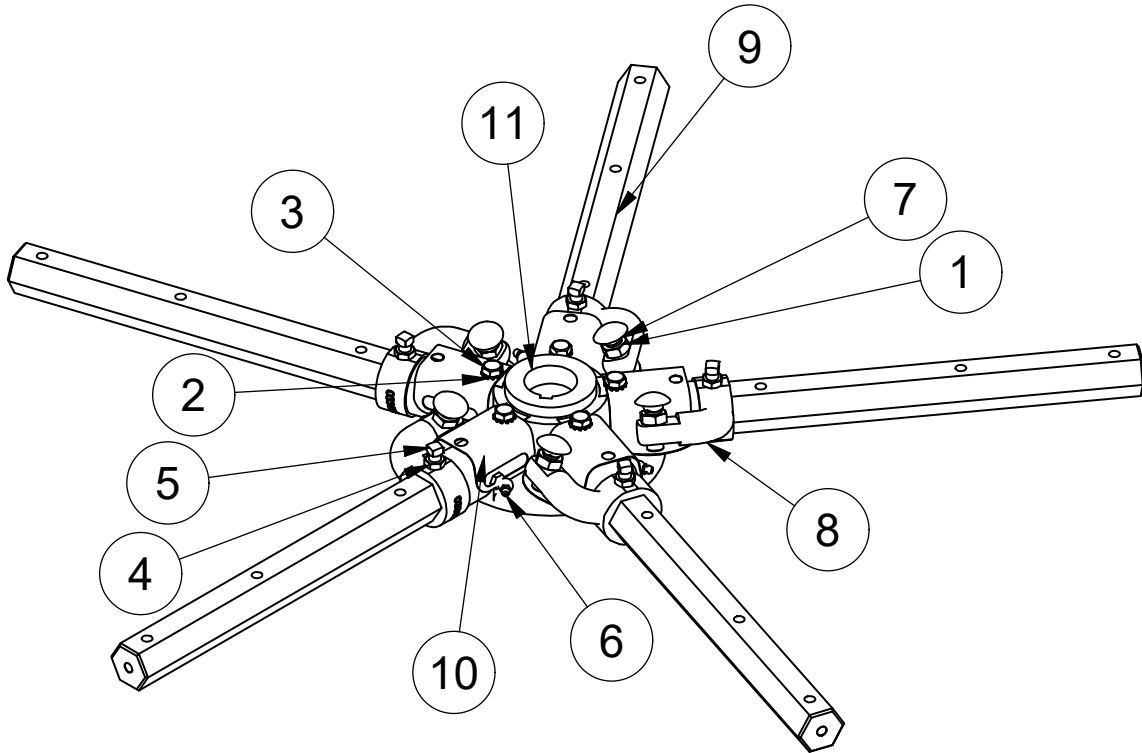
LH Spider Boss Assembly (040794)



ITEM	PART #	DESCRIPTION	QTY
1	010050	FASTENER, HEX JAM NUT 1/2"-13	5
2	015682	LOCK WASHER EXT STAR 3/8"	5
3	015683	FASTENER, DOG CAP SCREW 3/8"-16 X 7/8"	5
4	015684	FASTENER, HEX JAM NUT 3/8"-16	5
5	015686	FASTENER, SQHSS 3/8"-16 X 1"	5
6	024755	GREASE FITTING 1/8"-27 NPT 45°	5
7	028216	FASTENER, CABLT 1/2"-13 X 1-1/2" GRADE 8	5
8	033034	LIFT LEVER	5
9	040792	CLIP, 46-48" UNIVERSAL SPIDER SPRING	5
10	064220P	SPIDER BOSS SHD 5 BLADE UNIVERSAL	1
11	040700	TROWEL ARM	5

RH Spider Boss Assembly (040795)

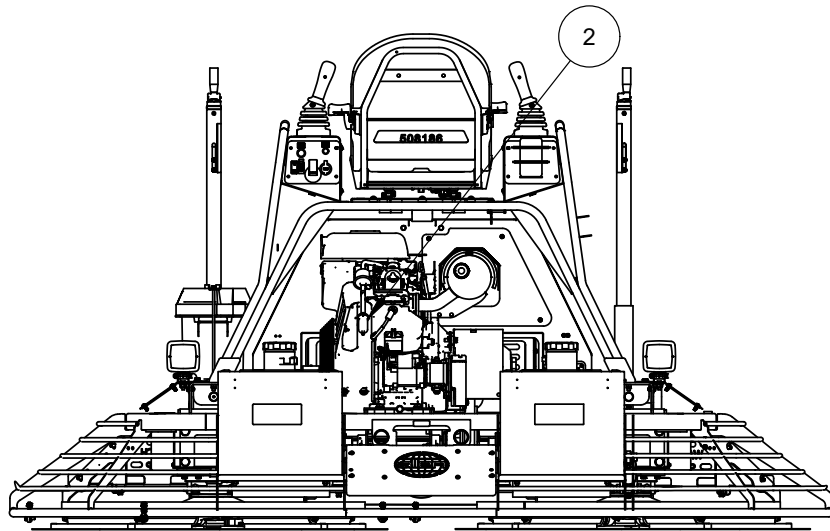
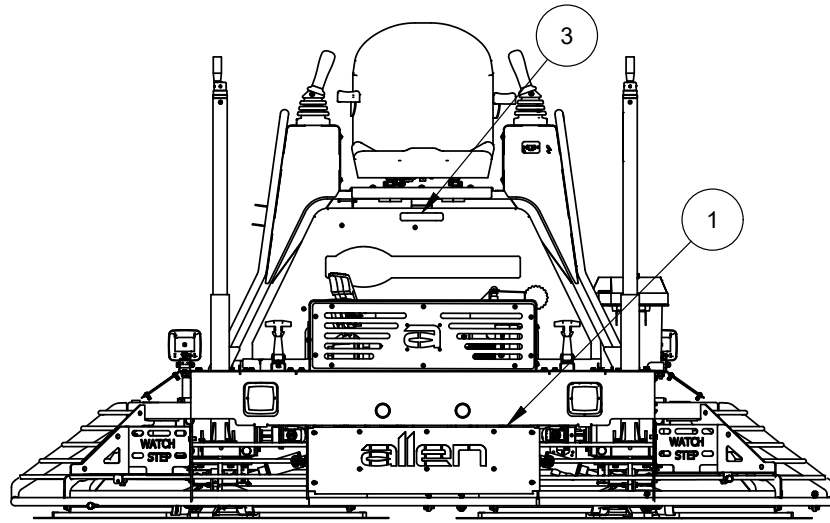
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
1	010050	FASTENER, HEX JAM NUT 1/2"-13	5
2	015682	LOCK WASHER EXT STAR 3/8"	5
3	015683	FASTENER, DOG CAP SCREW 3/8"-16 X 7/8"	5
4	015684	FASTENER, HEX JAM NUT 3/8"-16	5
5	015686	FASTENER, SQHSS 3/8"-16 X 1"	5
6	024755	GREASE FITTING 1/8"-27 NPT 45°	5
7	028216	FASTENER, CABLT 1/2"-13 X 1-1/2" GRADE 8	5
8	033034	LIFT LEVER	5
9	040700	TROWEL ARM	5
10	040792	CLIP, 46-48" UNIVERSAL SPIDER SPRING	5
11	064220P	SPIDER BOSS SHD 5 BLADE UNIVERSAL	1

SECTION 1 PARTS

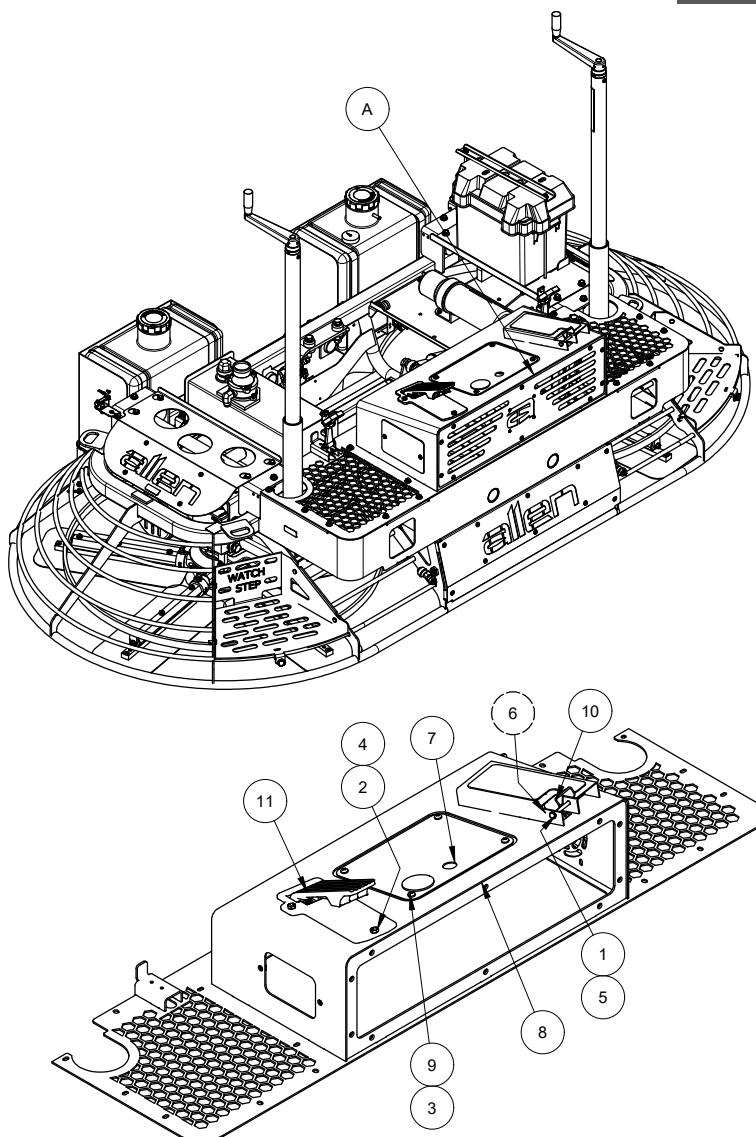
General Arrangement, MSP455 w/ Vanguard Engine



ITEM	PART #	DESCRIPTION	QTY
-	075825	ASSEMBLY, MSP455 W/ VANGUARD ENGINE	-
1	075816	ASSEMBLY, MAIN FRAME	1
2	075826	ASSEMBLY, POWER UNIT	1
3	077899	ASSEMBLY, SEAT FRAME	1
-	076198	ELECTRICAL HARNESS, F/ VANGUARD ENGINE	-

Front Deck Assembly, MSP455 w/ Vanguard Engine

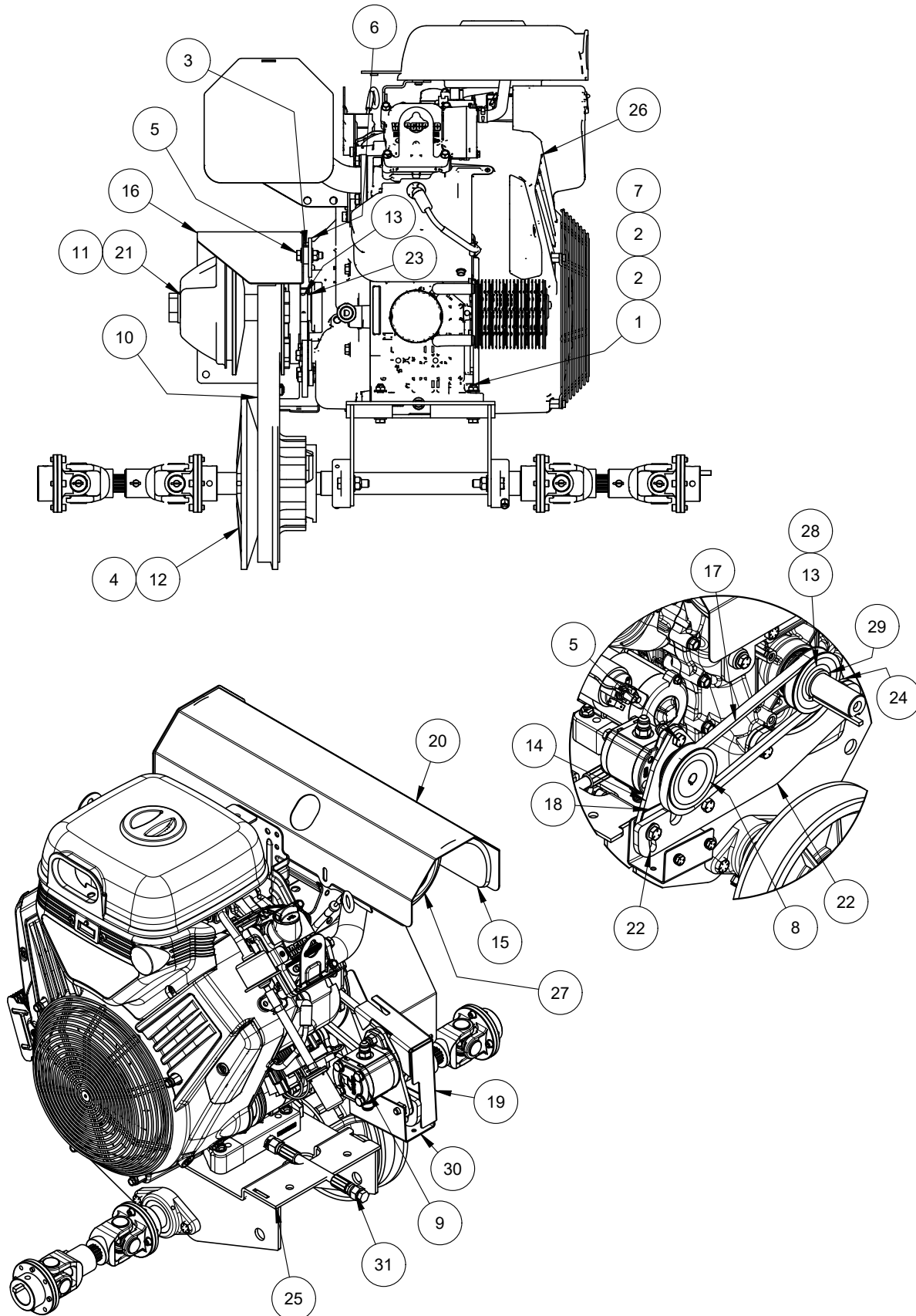
SECTION 1 PARTS



ITEM	PART #	DESCRIPTION	QTY
A	075817	ASSEMBLY, TOP DECK	1
1	010009	FASTENER, HHCS 1/4"-20 X 2-1/2"	1
2	010019	FASTENER, HHCS 5/16"-18 X 3/4"	3
3	010089	FASTENER, LOCK WASHER 1/4"	4
4	012612	FASTENER, HEX NUT NYLOCK 5/16"-18	3
5	029671	FASTENER, HEX NUT NYLOK 1/4"-20	1
6	068956	SWITCH, MOMENTARY	1
7	073458	COVER F/ TOP OF FRONT DECK	1
8	074394	WELDMENT, UPPER DECK F/ MSP455 WITH VANGUARD	1
9	074541	FASTENER, SCREW 1/4"-20 X 3/4"	4
10	076300	WELDMENT, PEDAL F/ WATER SWITCH	1
11	076973	FOOT PEDAL, ELECTRONIC THROTTLE CONTROL	1

SECTION 1 PARTS

Power Unit Assembly, MSP455 w/ Vanguard Engine (075826)



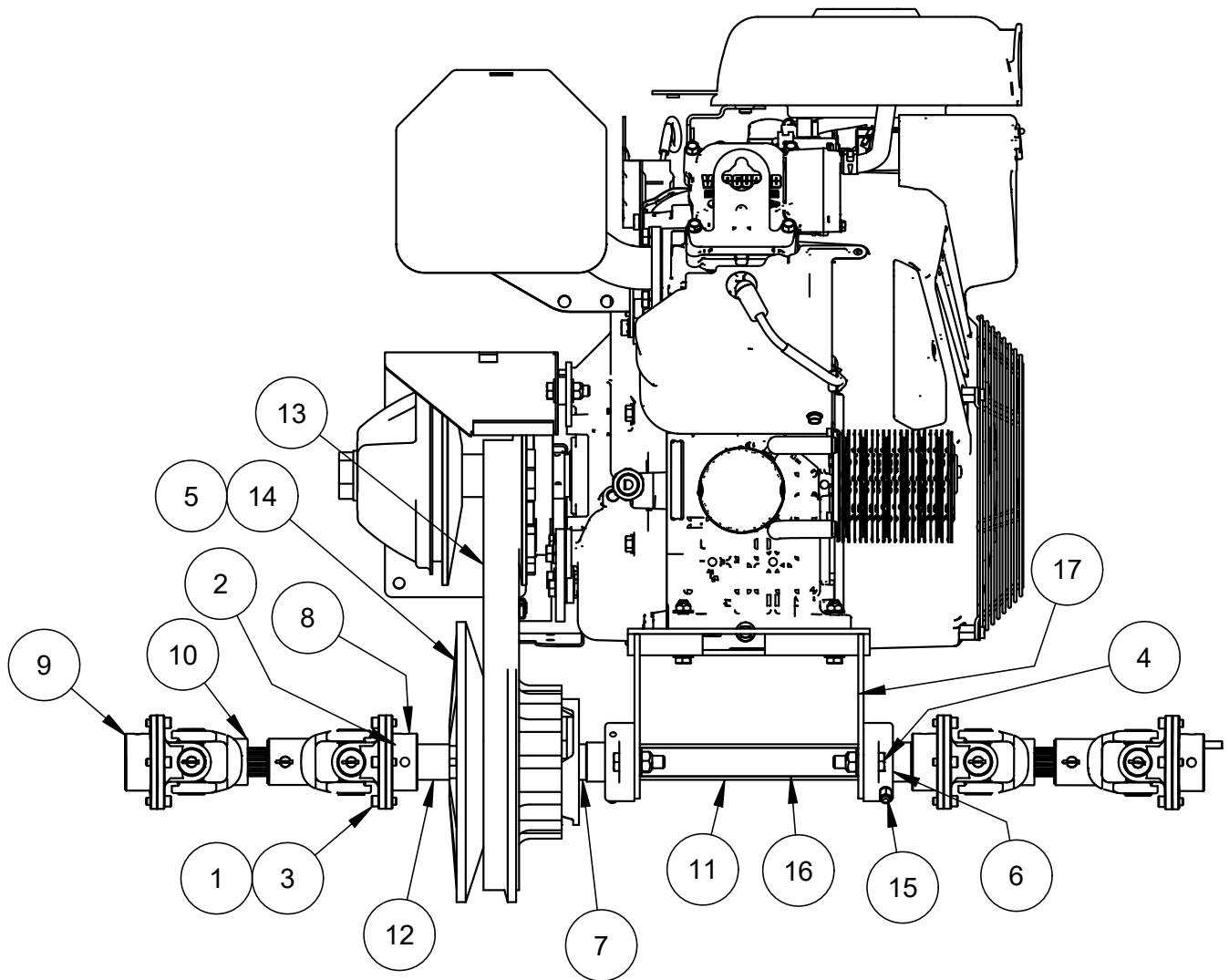
Power Unit Assembly, MSP455 w/ Vanguard Engine (075826)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010024	FASTENER, HHCS 5/16-18 X 2	4
2	010082	FASTENER, FLAT WASHER 5/16	8
3	015713	BUSHING, NITRILE	2
4	026992	KEY, 1/4" SQ X 3-1/8" LG	1
5	032875	FASTENER, HHCS 3/8-16 X 1 1/4	12
6	033661	PLATE, MOUNT F/ CLUTCH GUARD	1
7	040004	FASTENER, STOVER HEX NUT 5/16-18	4
8	046550	PULLEY, AK30 X 1/2 BORE	1
9	046738	HYDRAULIC PUMP	1
10	051332	BELT, CVT	1
11	053223	KEY, 3/16 X 1/4 X 3	1
12	053389	DRIVEN PULLEY	1
13	056775	PULLEY, AK30 X 1-1/2" BORE	1
14	056912	MOUNT PLATE F/ PUMP	1
15	056938	HEAT WRAP 14" X 20"	1
16	065435	CLUTCH COVER	1
17	070520	BELT, GATES A24 SUPER HI-POWER	1
18	071535	PLATE, SPACER F/ PUMP	1
19	071588	COVER F/ PUMP	1
20	072755	MUFFLER GUARD	1
21	073310	CLUTCH, DRIVER	1
22	075823	ENGINE CONNECTING PLATE F/ VANGUARD	1
23	075827	SPACER F/ CLUTCH, VANGUARD	1
24	075828	PLATE, SPACER F/ PUMP MOUNT	1
25	075835	ENGINE MOUNT PLATE, VANGUARD	1
26	076033	ENGINE, VANGUARD 61G2	1
27	076039	MUFFLER, VANGUARD	1
28	076183	KEY, 1/4 X 7/8 W/ RADIUS, VANGUARD	1
29	076197	SPACER F/ CLUTCH, VANGUARD	1
30	076202	BRACKET, PULLEY COVER	1
31	077797	DRAIN HOSE F/ VANGUARD	1

SECTION 1 PARTS

Power Unit Continued Drive line Assembly, MSP455 w/ Vanguard Engine (075826)



Note: Item 11 made transparent for clarity

Drive line Assembly, MSP455 w/ Vanguard Engine (075826)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010089	FASTENER, LOCK WASHER 1/4"	20
2	011791	KEY, 1/4" SQ X 1"	4
3	017314	FASTENER, SHCS 1/4"-20 X 5/8"	16
4	017898	FASTENER, HHCS 7/16"-20 X 1-1/2" GRADE 8	4
5	026992	KEY, 1/4" X 3-1/8"	1
6	039136	FLANGED BEARING, 1"	2
7	042466	SPACER, 1" X 1/4"	1
8	047635	HUB, U-JOINT CENTER SHAFT DIA. 1"	4
9	047636	HUB, U-JOINT GEARBOX SHAFT DIA. 1-1/4"	2
10	047637	ASSEMBLY, U-JOINT TELESCOPING	2
11	048810	SPACER FOR DRIVEN PULLEY	1
12	048908	SPACER, 1-1/8" F/ DRIVEN PULLEY	1
13	051332	BELT, CVT	1
14	053389	DRIVEN PULLEY	1
15	073817	STRAIGHT PUSH IN FOR 4mm TUBING 1/8" NPT	2
16	075219	DRIVE SHAFT	1
17	075835	ENGINE MOUNT PLATE, VANGUARD	1

Seat Frame Assembly, MSP455 w/ Vanguard Engine (077899)



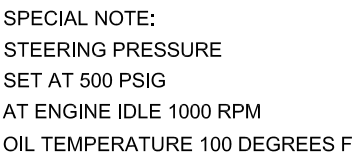
Seat Frame Assembly, MSP455 w/ Vanguard Engine (077899)

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
1	010081	FASTENER, FLAT WASHER 1/4 GRD8	2
2	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	8
3	032125	ROCKER SWITCH, LIGHTS	1
4	047052	RELAY	2
5	047546	FASTENER, 1/4-20 PAL SNAP NUT	16
6	047665	RUBBER BUMPER	3
7	049632	BRACKET, TOOL HOLDER	1
8	050049	ACCESS PANEL, RH	1
9	050603	TOGGLE SWITCH, ON/OFF	1
10	050604	COVER F/ TOGGLE SWITCH	1
11	053211	SEAT PROP	1
12	064386	HOUR METER	1
13	064817	JOYSTICK, RH	1
14	064818	JOYSTICK, LH	1
15	068956	MOMENTARY SWITCH, PUSH TO START	1
16	069737	FASTENER, SCREW PAN HEAD 1/4"-20 X 3/4"	21
17	069850	USB 12V	1
18	069874	SEAT	1
19	069875	ARM REST, LH/RH SET	1
20	070479	COVER, INSIDE RH	1
21	061374	KILL SWITCH F/ SEAT	1
22	071066	ASSEMBLY, FRONT SCREEN	1
23	071076	WELDMENT, SEAT FRAME	1
24	071106	CELL PHONE TRAY RUBBER	1
25	071120	CUP HOLDER	1
26	071123	TOP RUBBER TRIM F/ CUP HOLDER [USES 071122]	1
27	071124	MIDDLE RUBBER TRIM F/ CUP HOLDER [USES 071122]	1
28	073948	LED, RED	1
29	077897	PANEL F/ ENGINE CONTROLS	1
-	074397	HARNESS, ELECTRICAL F/ 445/455	1

Hydraulics Schematic

RIGHT HAND JOYSTICK STEERING CONTROL



Hydraulics Schematic Parts List

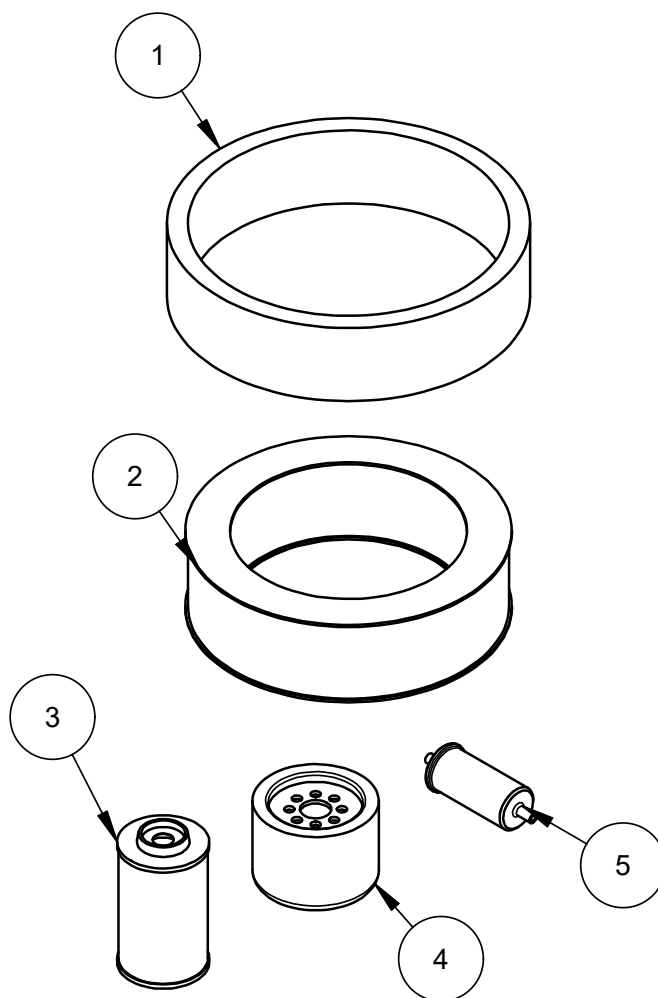
SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	075956	KIT, HYDRAULIC MSP455	-
1	064818	LH JOYSTICK	1
2	064817	RH JOYSTICK	1
3	048661	FWD/REV. STEERING CYLINDER	2
4	048660	LEFT/RIGHT STEERING CYLINDER	1
5	046735	STEERING MANIFOLD	1
6	046738	HYDRAULIC GEAR PUMP	1
7	046732	SUCTION STRAINER	1
8	049978	RETURN LINE FILTER	1
-	061528	RETURN LINE FILTER ELEMENT	-
9	046241	FILTER GAUGE	1
10	FI0350	FILLER BREATHER WITH DIP STICK	1
11	056932	SIGHT LEVEL INDICATOR	1
12	045948	MAGNETIC TANK PLUG	1
13	052930	AIR/OIL COOLER	1
-	075953	MSP455 HOSE KIT	1
-	075954	MSP455 FITTING KIT	1
-	057955	MSP455 COMPONENT KIT	1

SECTION 1 PARTS

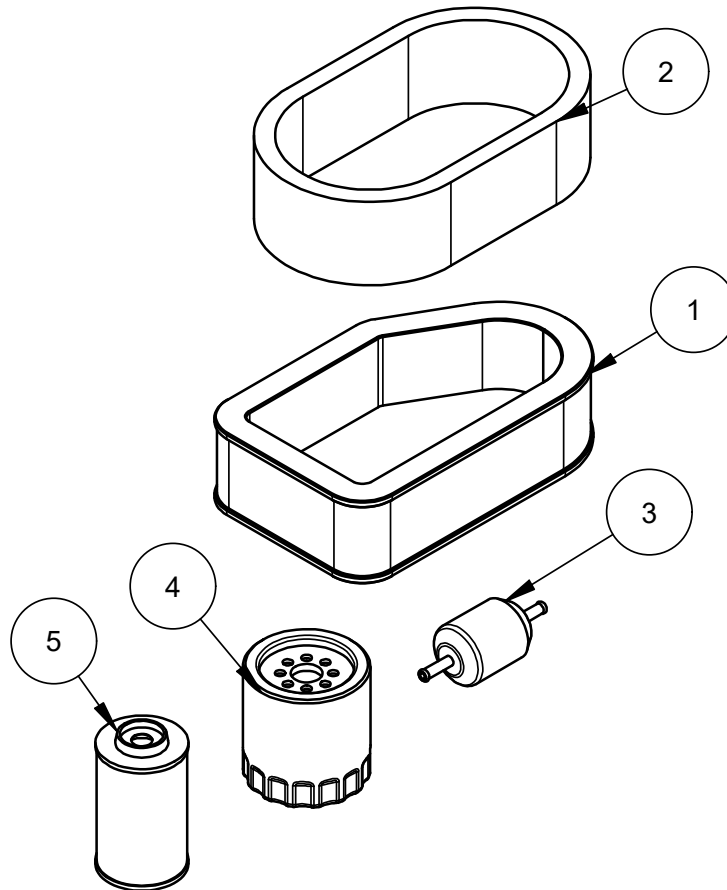
Service Parts, Filters for Vanguard

Note: Illustrations are
for reference only



ITEM	PART NO.	DESCRIPTION	QTY
1	049190	FILTER, AIR PRE-CLEANER F/ VANGUARD	1
2	049191	FILTER, AIR PRIMARY F/ VANGUARD	1
3	061528	FILTER, HYDRAULIC ELEMENT	1
4	081770	FILTER, ENGINE OIL F/ VANGUARD	1
5	081771	FILTER, FUEL F/ VANGUARD	1

Note: Illustrations are for reference only



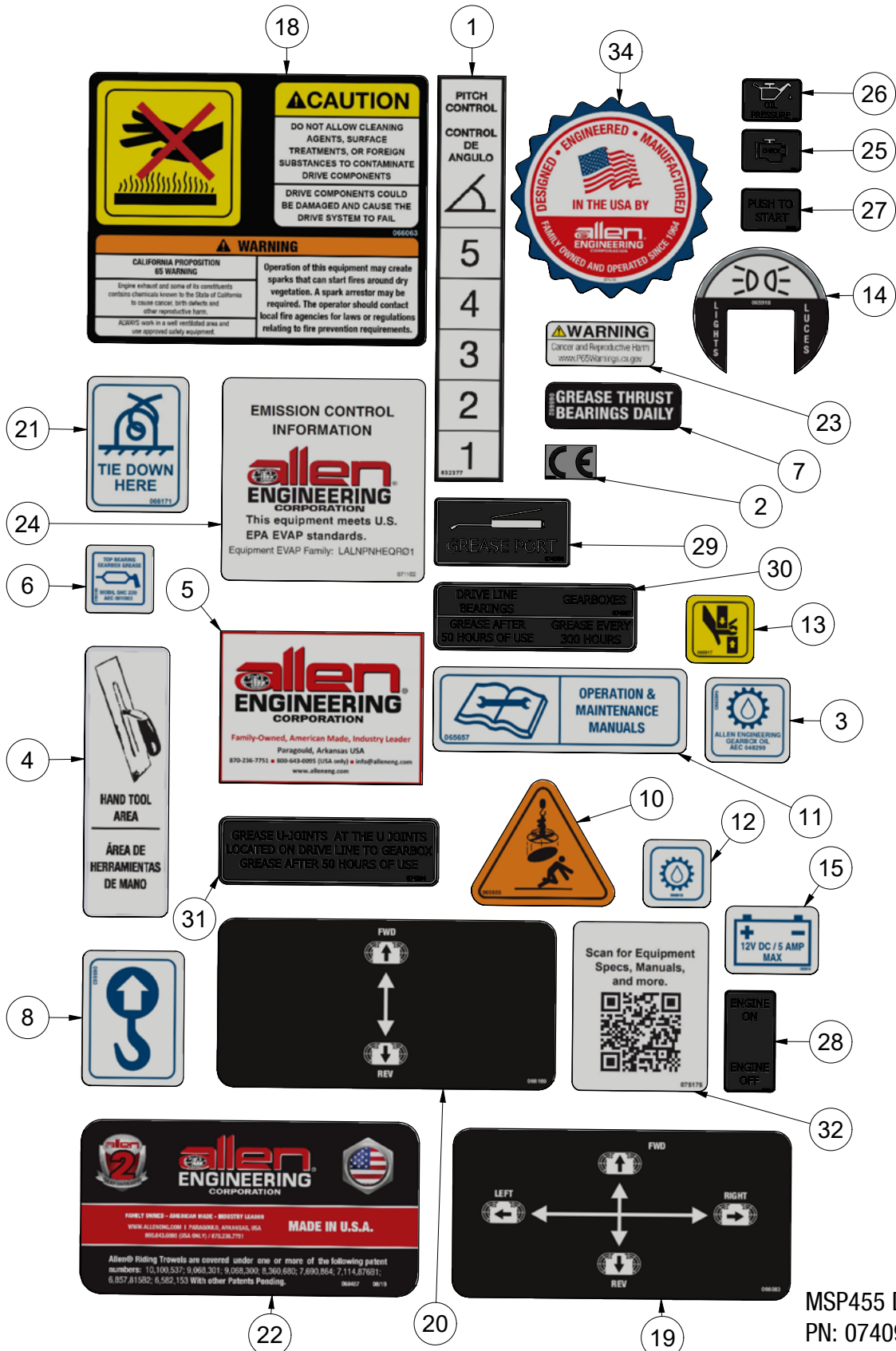
ITEM	PART NO.	DESCRIPTION	QTY
1	057991	FILTER, AIR PRIMARY KOHLER	1
2	057992	FILTER, AIR PRE-CLEANER KOHLER	1
3	057993	FILTER, FUEL KOHLER	1
4	057994	FILTER, ENGINE OIL FOR KOHLER	1
5	061528	FILTER, HYDRAULIC ELEMENT	1

SECTION 2: DECALS

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SECTION 2 DECALS

Decals, MSP455



MSP455 Decal Kit
PN: 074091

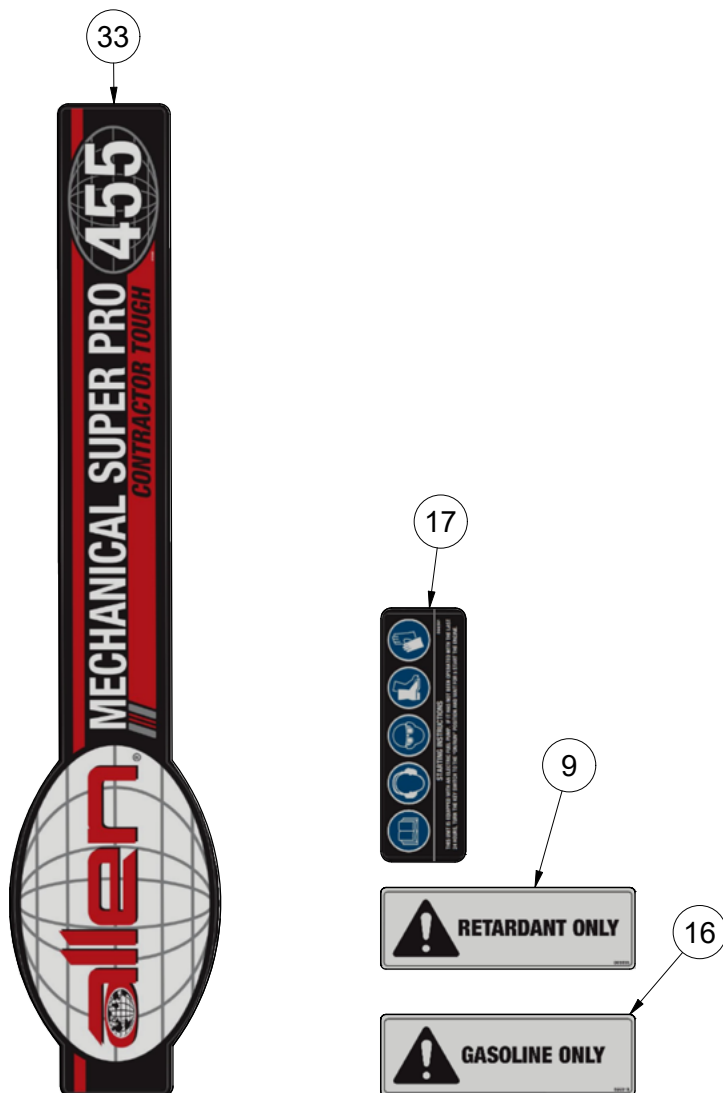
Decals, MSP455 Parts List

SECTION 2 DECALS

ITEM	PART #	DESCRIPTION	QTY
1	032377	PITCH CONTROL	2
2	039893	CE MARKING	1
3	048299D	GEARBOX OIL	2
4	053447	HAND TOOL AREA	1
5	056338	AEC 1.5" X 3.25" WHITE/RED	1
6	065564	GEARBOX GREASE	2
7	065652	GREASE THRUST BEARINGS	2
8	065653	LIFT HOOK	2
9	065655	RETARDANT ONLY	1
10	065656	PAN FALL	2
11	065657	OPERATOR'S MANUAL	1
12	065913	GEARBOX OIL	1
13	065917	PINCH POINT	2
14	065918	LIGHTS	1
15	065919	12 VOLT DC/5 AMP MAX	1
16	066018	GAS ONLY	1
17	066061	STARTING INSTRUCTIONS	1
18	066063	HOT, CAUTION, WARNING	1
19	066083	2 DIRECTION	1
20	066196	1 DIRECTION	1
21	066171	TIE DOWN ONLY	4
22	068457	PATENT PLACARD	1
23	069225	PROPOSITION 65	1
24	071102	EPA LABEL	1
25	072966	CHECK ENGINE LIGHT	1
26	072967	OIL PRESSURE	1
27	074011	PUSH TO START	1
28	074012	ENGINE ON/OFF	1
29	074086	GREASE PORT	1
30	074087	DRIVELINE BEARING GREASE AND GEARBOXES	1
31	074284	GREASING OF U-JOINTS	1
32	075175	QR CODE	1
33	075268	MSP455 FRONT	1
34	075276	MADE IN AMERICA	1
-	075269	MSP455 SIDE	2

SECTION 2 DECALS

Decals, MSP455 Continued



MSP455 Decal Kit
PN: 074091

Decals, MSP455 Parts List**SECTION 2
DECALS**

ITEM	PART #	DESCRIPTION	QTY
1	032377	PITCH CONTROL	2
2	039893	CE MARKING	1
3	048299D	GEARBOX OIL	2
4	053447	HAND TOOL AREA	1
5	056338	AEC 1.5" X 3.25" WHITE/RED	1
6	065564	GEARBOX GREASE	2
7	065652	GREASE THRUST BEARINGS	2
8	065653	LIFT HOOK	2
9	065655	RETARDANT ONLY	1
10	065656	PAN FALL	2
11	065657	OPERATOR'S MANUAL	1
12	065913	GEARBOX OIL	1
13	065917	PINCH POINT	2
14	065918	LIGHTS	1
15	065919	12 VOLT DC/5 AMP MAX	1
16	066018	GAS ONLY	1
17	066061	STARTING INSTRUCTIONS	1
18	066063	HOT, CAUTION, WARNING	1
19	066083	2 DIRECTION	1
20	066196	1 DIRECTION	1
21	066171	TIE DOWN ONLY	4
22	068457	PATENT PLACARD	1
23	069225	PROPOSITION 65	1
24	071102	EPA LABEL	1
25	072966	CHECK ENGINE LIGHT	1
26	072967	OIL PRESSURE	1
27	074011	PUSH TO START	1
28	074012	ENGINE ON/OFF	1
29	074086	GREASE PORT	1
30	074087	DRIVELINE BEARING GREASE AND GEARBOXES	1
31	074284	GREASING OF U-JOINTS	1
32	075175	QR CODE	1
33	075268	MSP455 FRONT	1
34	075276	MADE IN AMERICA	1
-	075269	MSP455 SIDE	2

Revision Details

MANUAL REVISION DETAIL

REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
	11/21	-	MK
A	01/22	Updated Covers	MK
B	06/22	Updated Trowel Arm PN	MK
C	10/23	Added Hyd. Filter Element PN	MK
D	02/24	MN 24-064, 24-057. & Hyd Info	MK
E	03/24	Vanguard updates	MK
F	04/24	24-238, 24-241	MK
G	06/24	24-431	MK
H	01/25	Pg. 51 Item 21 PN Correction	MK
I	01/25	Added GB Exploded View	MK
J	07/25	Pg. 39 & 43 Item #, PN, U/M corrections	MK
K	10/25	Added Engine Service Parts	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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