

RIDING TROWEL

MSP455



PARTS & DECALS MANUAL

Manual Part #: 075706P | Revision: N
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

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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.

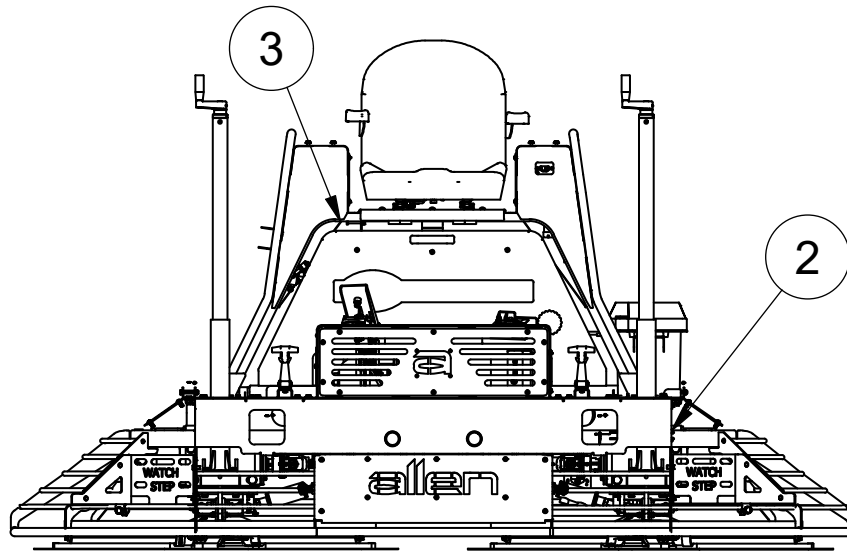


All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication.

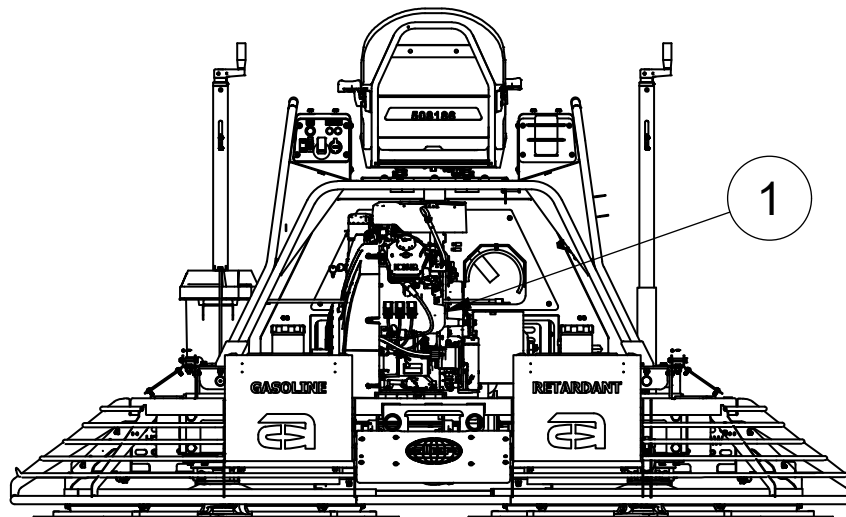
SECTION 1 PARTS

General Arrangement, MSP455 w/ Kohler Engine (071100)

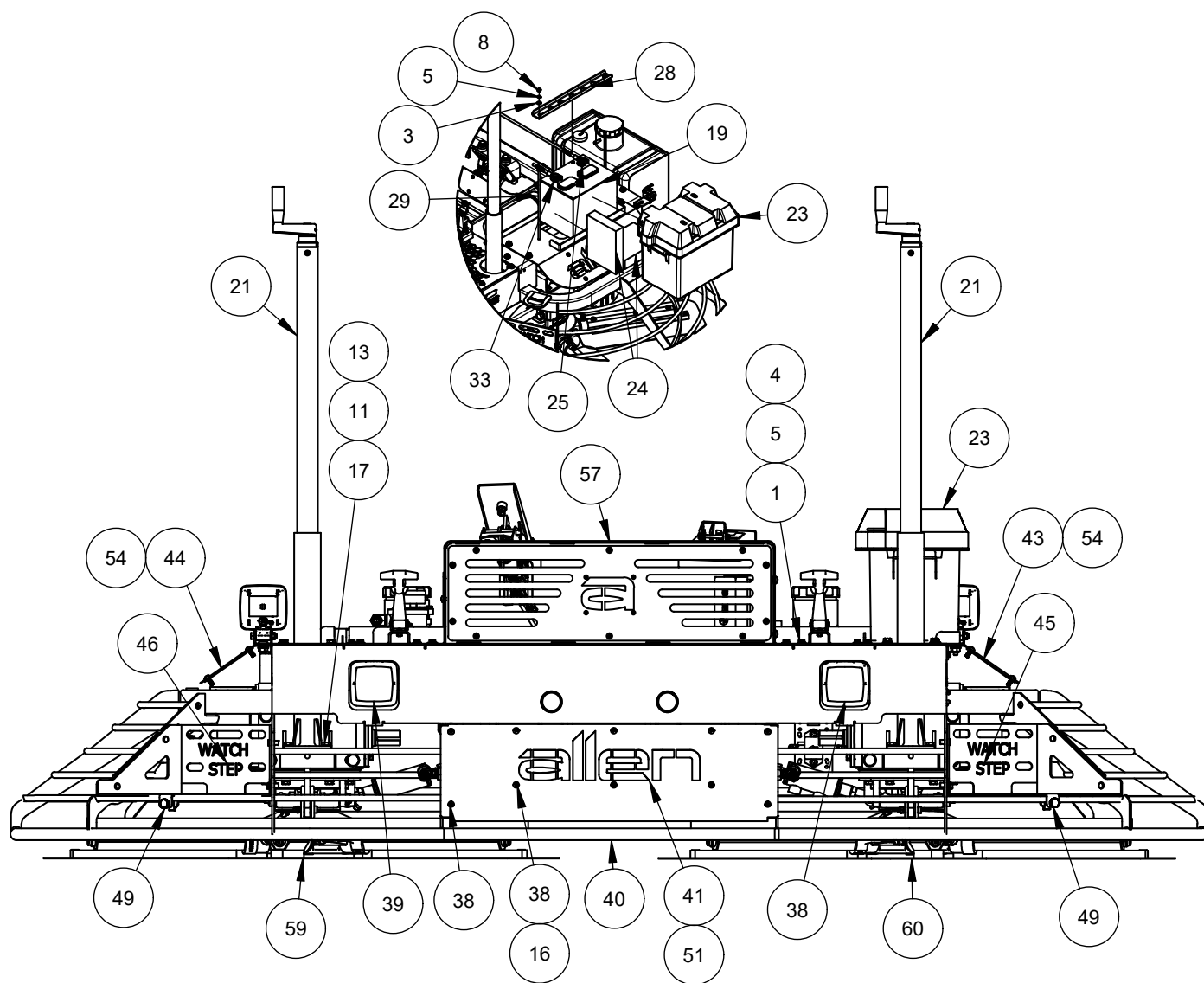
FRONT



REAR

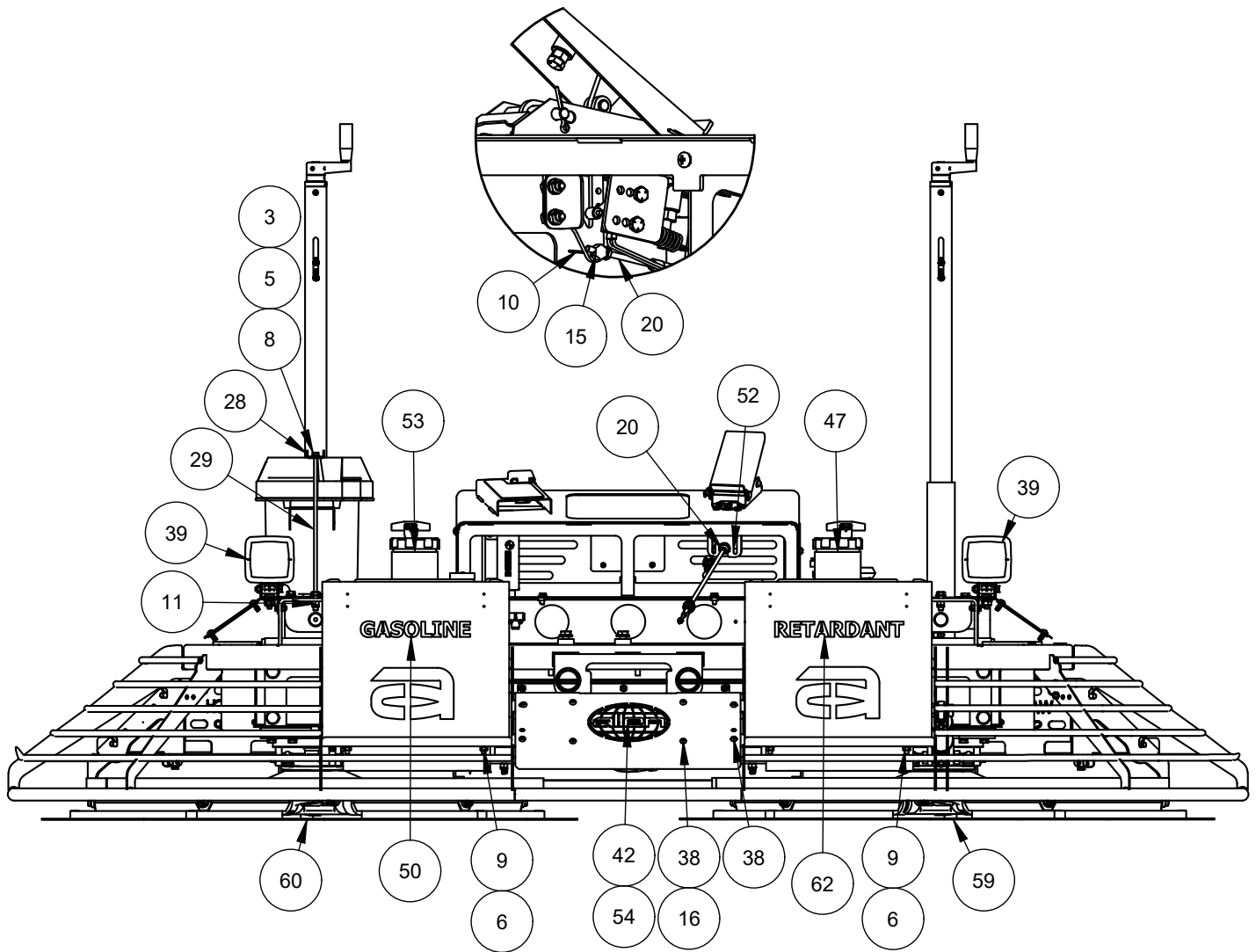


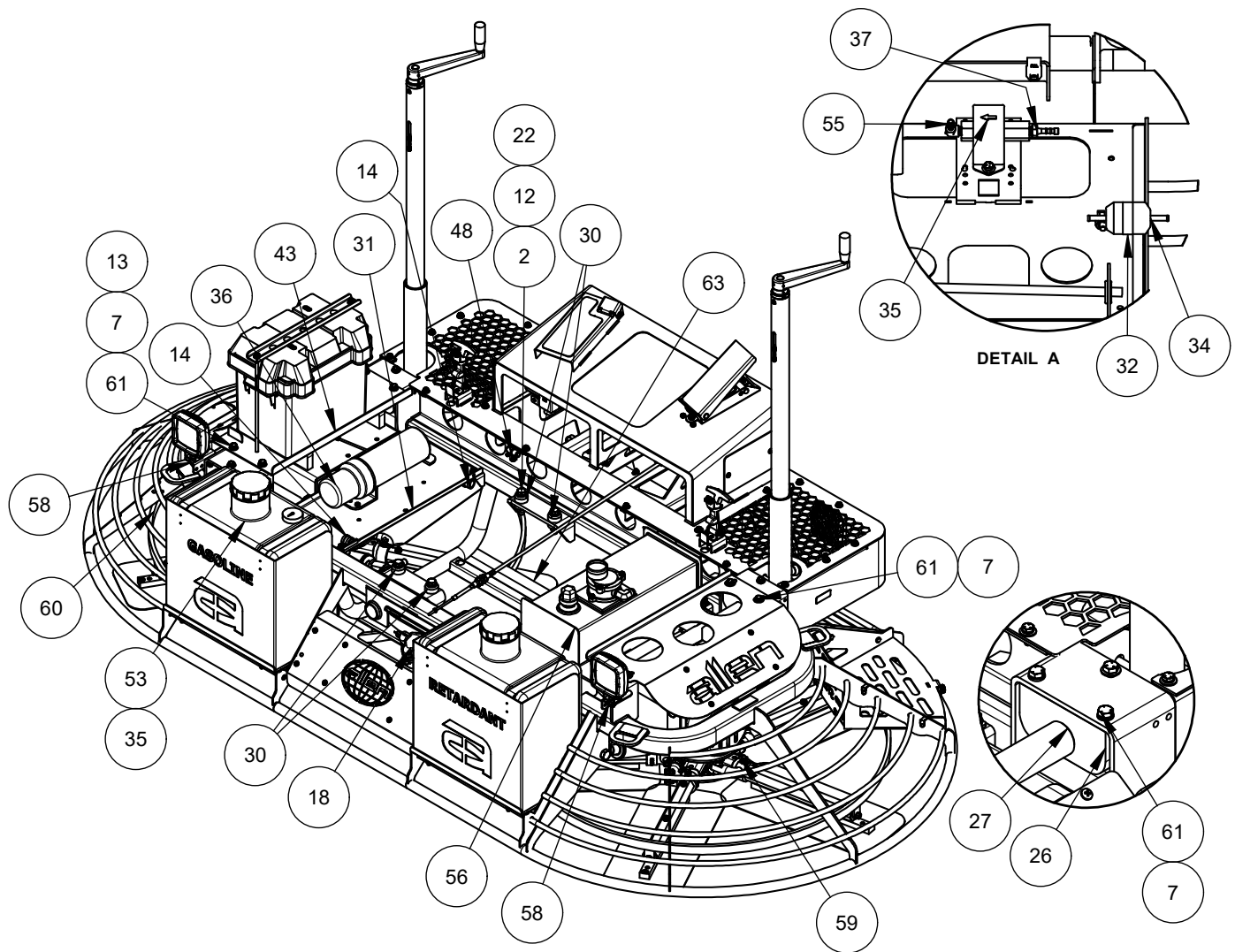
ITEM	PART #	DESCRIPTION	QTY
1	070120	ASSEMBLY, POWER UNIT	1
2	071040	ASSEMBLY, MAIN FRAME	1
3	071075	ASSEMBLY, SEAT FRAME	1
-	074091	KIT, DECAL MSP455	1
-	074139	KIT, SPRAY AND LUBRICATION	1
-	074397	HARNESS, ELECTRICAL F/ 445/455	1
-	075956	KIT, HYDRAULIC PARENT MSP455	1



SECTION 1 PARTS

Main Frame Assembly (071040) Continued





SECTION 1 PARTS

Main Frame Assembly (071040) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	25
2	010073	FASTENER, HHCS 1/2-13 X 2-1/2	4
3	010081	FASTENER, FW 1/4	13
4	010082	FASTENER, FW 5/16	22
5	010089	FASTENER, LW 1/4	22
6	010090	FASTENER, LW 5/16	13
7	010091	FASTENER, LW 3/8	11
8	010098	FASTENER, HEX NUT 1/4-20	2
9	010100	FASTENER, HEX NUT 5/16-18	8
10	010131	PIN, COTTER Ø1/16 X 1	1
11	010464	FASTENER, HEX NUT NYLOCK 3/8-16	14
12	011490	FASTENER, FW 1/2	8
13	017751	FASTENER, FW 3/8	21
14	020604	CLIP, SAE 14-0.406 INSULATED LOOP	3
15	024984	PIVOT, THROTTLE CABLE	1
16	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	22
17	032875	FASTENER, HHCS 3/8-16 X 1-1/4	10
18	033735	PUMP, SPRAY SYSTEM	1
19	037771	BATTERY, 12 V 500CCA	1
20	037796	ASSEMBLY, THROTTLE CABLE 38"	1
21	038174	ASSEMBLY, PITCH CONTROL	2
22	040208	FASTENER, HEX NUT 1/2-13 STOVER	4
23	046696	BOX, STANDARD BATTERY	1
24	047294	PAD, 7-7/16 X 5-11/16 X 1-1/2	2
25	047730	CABLE, BATTERY 4 AWG 32" LONG POSITIVE	1
26	048559	BEARING BLOCK, FOR CROSSHEAD	4
27	048560	BEARING, Ø1 ID PLASTIC FLANGE	4
28	048563	CHANNEL, BATTERY HOLD-DOWN	1
29	048589	ROD ALL THREAD, 1/4-20 FOR BATTERY HOLD DOWN	2
30	048901	MOUNT, ISOLATOR 250LB	4
31	048906	TRAY, FOR BATTERY AND MANUAL TUBE	1
32	048963	STRAP, FOR GAS FILTER	1
33	048976	CABLE, BATTERY 4 AWG 35" LONG NEGATIVE	1
34	057993	FILTER, FUEL	1
35	060915	ELECTRIC FUEL PUMP	1
36	066255	MANUAL TUBE	1

Main Frame Assembly (071040) Parts List Continued

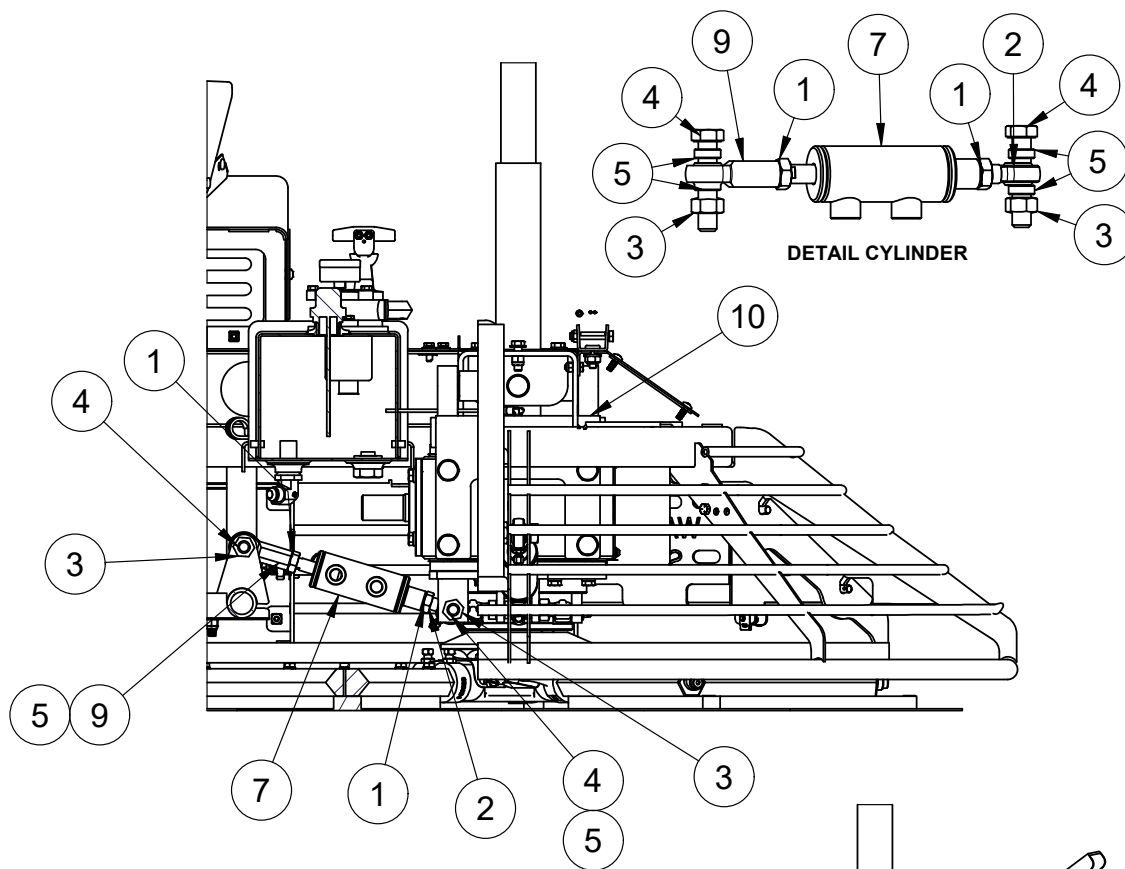
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
37	069211	BARBED HOSE FITTING, 1/4 X 1/8 NPT, STEEL	1
38	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4 ZINC PLATED	30
39	069835	LIGHT, LED 1200 LUMENS 12 VDC (1.5 AMP)	4
40	071035	WELDMENT, MAIN FRAME FOR MSP455	1
41	071056	COVER FRONT CENTER FOR MSP455/445	1
42	071089	COVER REAR CENTER FOR MSP455/445	1
43	071090	WELDMENT, LH COVER AND BATTERY SUPPORT MSP455	1
44	071094	COVER, RH CROSSHEAD MSP455	1
45	071099	STEP, LH FOR MSP455	1
46	071103	STEP, RH FOR MSP455	1
47	071536	TANK, 7 GALLON RETARDANT ASSEMBLY	1
48	071599	FITTING, ONE TOUCH TEE 3/8" HOSE CONNECTION	1
49	071606	FASTENER, THUMB SCREW 1/4-20 X 1 3/4	2
50	072737	GUARD, FOR 7 GALLON FUEL TANKS	1
51	072739	PLATE, BACKER FOR FRONT NAME PLATE ON MSP445/455	1
52	072773	THROTTLE BRKT, LOWER FOR MSP445/455	1
53	072854	TANK, FUEL 7 GALLON ASSEMBLY	1
54	072856	PLATE, BACKER FOR EMBLEM PLATE RIDERS	3
55	072877	FITTING, 1/4" X 1/8" STAINLESS STEEL BARB ELBOW	1
56	073276	ASSEMBLY, HYDRAULIC TANK FOR MSP455 RIDER	1
57	073390	ASSEMBLY, TOP DECK FOR MSP455 KOHLER	1
58	073392	BRACKET, REAR LIGHT	2
59	073525	ASSEMBLY, RH ROTOR	1
60	073526	ASSEMBLY LH ROTOR	1
61	074068	FASTENER, HHCS 3/8-16 X 1 W/ BLUE LOCTITE	8
62	075422	GUARD, FOR 7 GALLON RETARDANT TANKS	1
63	079096	PAN, SPLASH GUARD	1

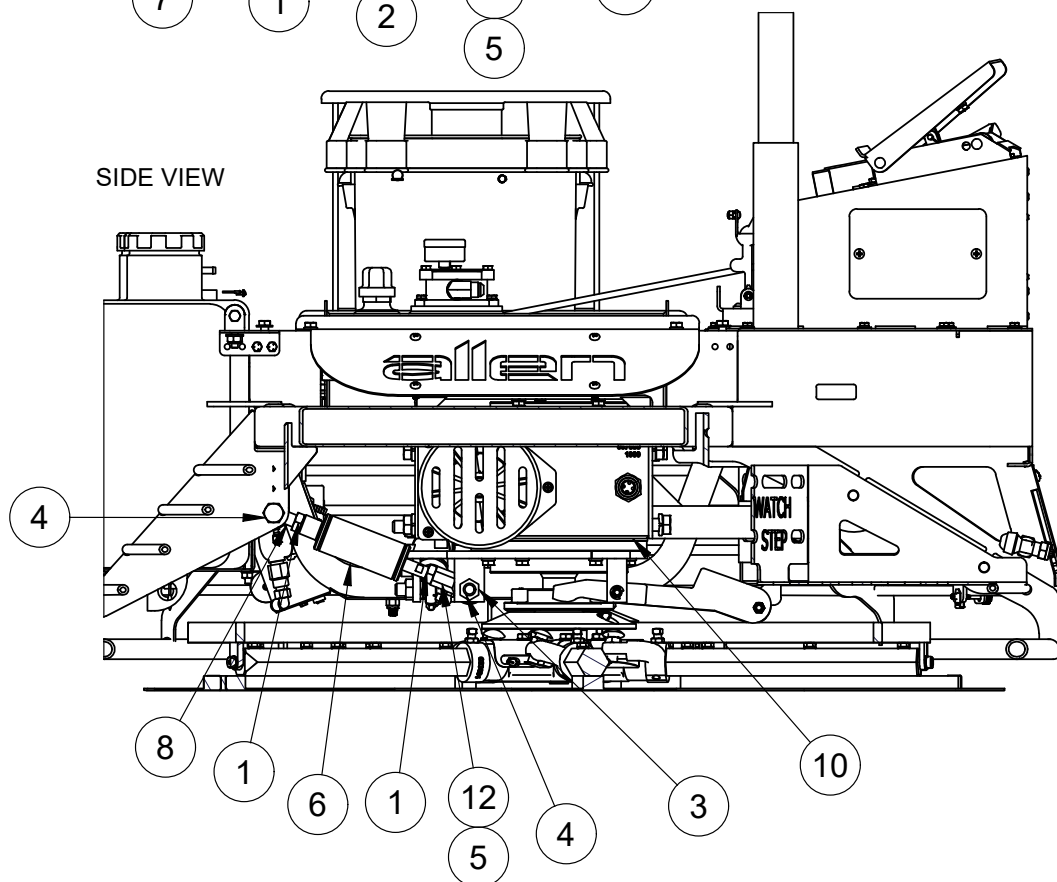
SECTION 1 PARTS

Steering System

RIGHT SIDE STEERING



SIDE VIEW

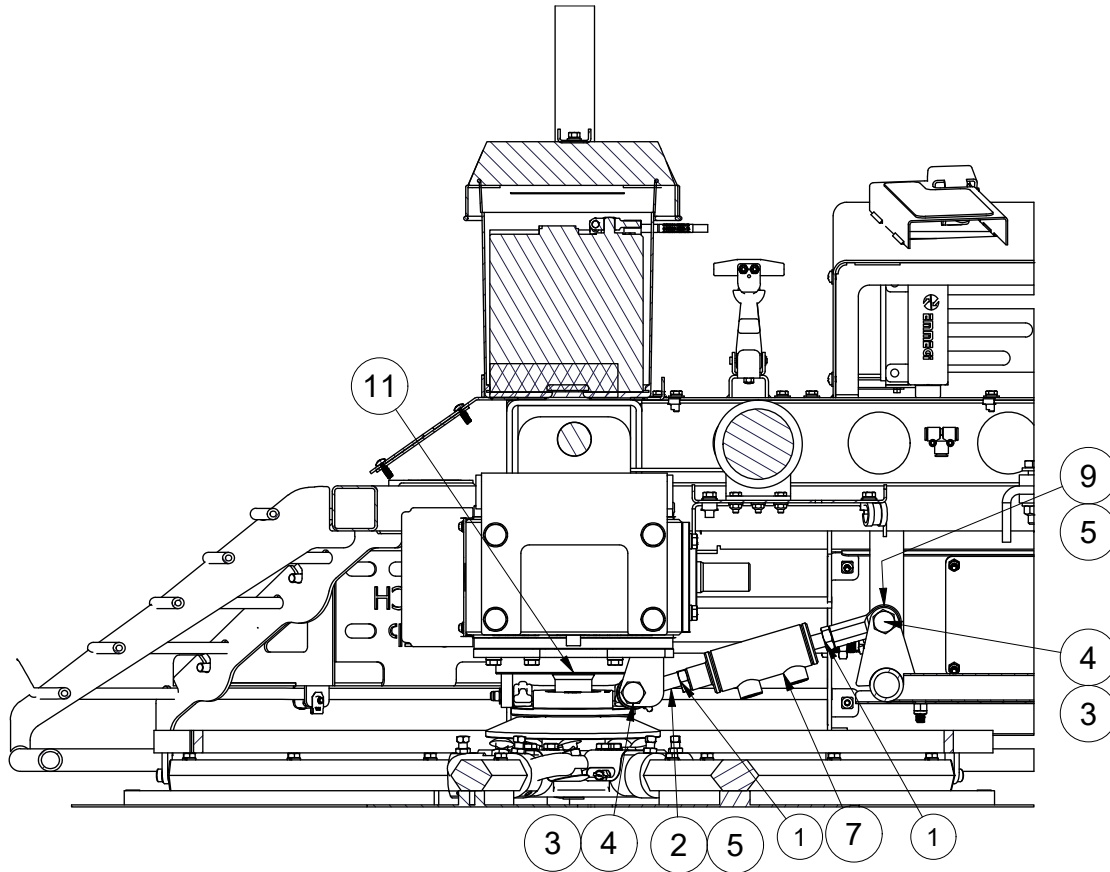


ITEM	PART NO.	DESCRIPTION	QTY
1	020688	FASTENER, JAM HEX NUT 5/8-18 RH	6
2	043124	ROD END , MALE 5/8	2
3	043269	FASTENER, HEX NUT STOVER 5/8-18	6
4	048339	FASTENER, HHCS 5/8-18 X 3	6
5	048627	SPACER, STEERING CONNECTION	10
6	048660	CYLINDER, 1.5 X 0.625 STEERING	1
7	048661	CYLINDER, 1.5 X 1.25 STEERING	2
8	052596	ROD END, MALE 5/8 MODIFIED	1
9	066188	ROD END, FEMALE 5/8	2
10	073525	ASSEMBLY, RH ROTOR	1
11	073526	ASSEMBLY, LH ROTOR	1
12	078669	ROD END, FEMALE 5/8 MODIFIED	1

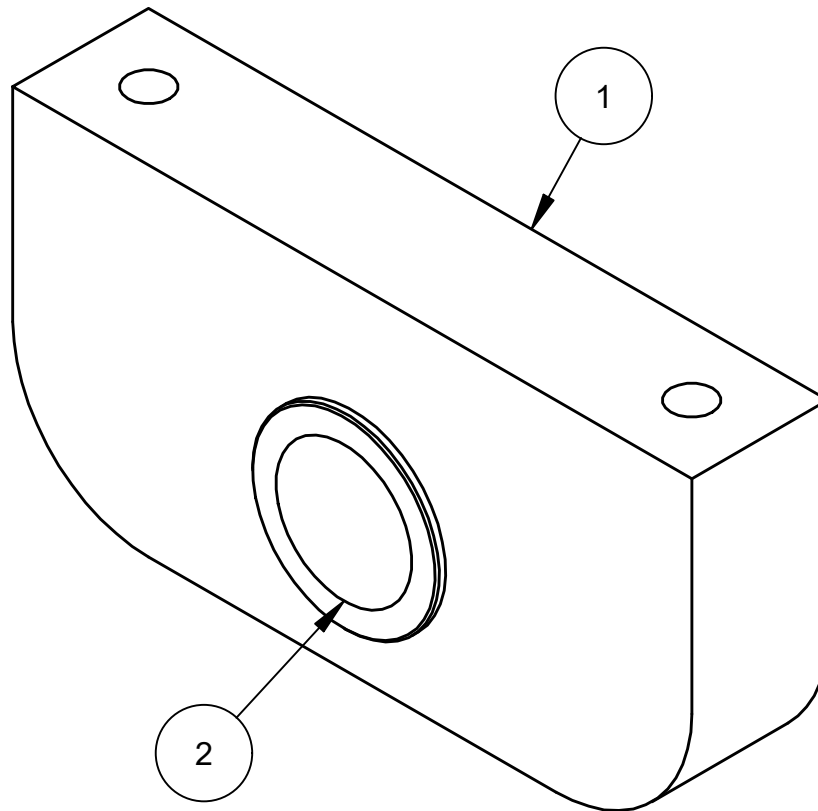
SECTION 1 PARTS

Steering System Continued

LEFT SIDE STEERING



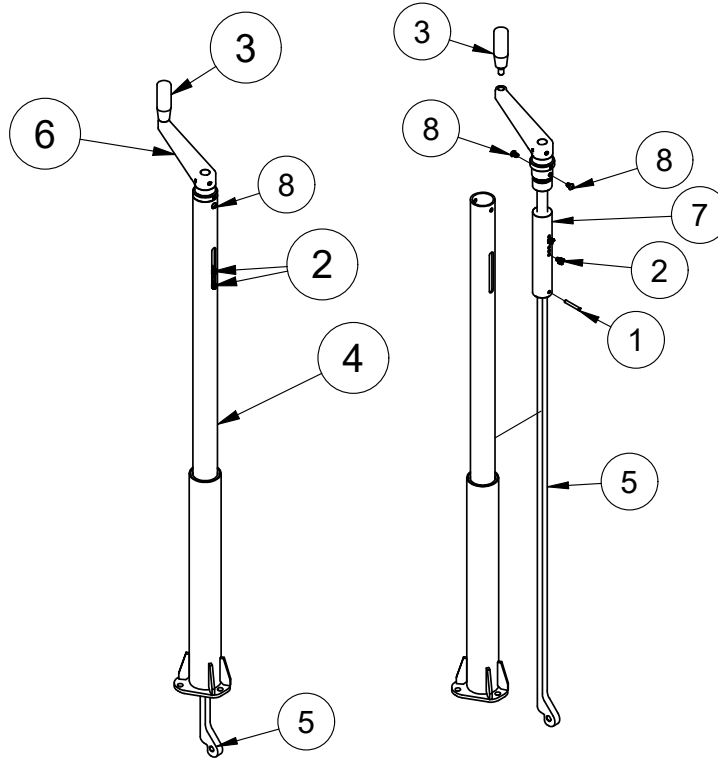
ITEM	PART NO.	DESCRIPTION	QTY
1	020688	FASTENER, JAM HEX NUT 5/8-18 RH	6
2	043124	ROD END , MALE 5/8	2
3	043269	FASTENER, HEX NUT STOVER 5/8-18	6
4	048339	FASTENER, HHCS 5/8-18 X 3	6
5	048627	SPACER, STEERING CONNECTION	10
6	048660	CYLINDER, 1.5 X 0.625 STEERING	1
7	048661	CYLINDER, 1.5 X 1.25 STEERING	2
8	052596	ROD END, MALE 5/8 MODIFIED	1
9	066188	ROD END, FEMALE 5/8	2
10	073525	ASSEMBLY, RH ROTOR	1
11	073526	ASSEMBLY, LH ROTOR	1
12	078669	ROD END, FEMALE 5/8 MODIFIED	1



ITEM	PART NO.	DESCRIPTION	QTY
1	048559	BLOCK, BEARING HOUSING FOR CROSSHEAD	1
2	048560	BEARING, Ø1 ID PLASTIC FLANGE	1

SECTION 1 PARTS

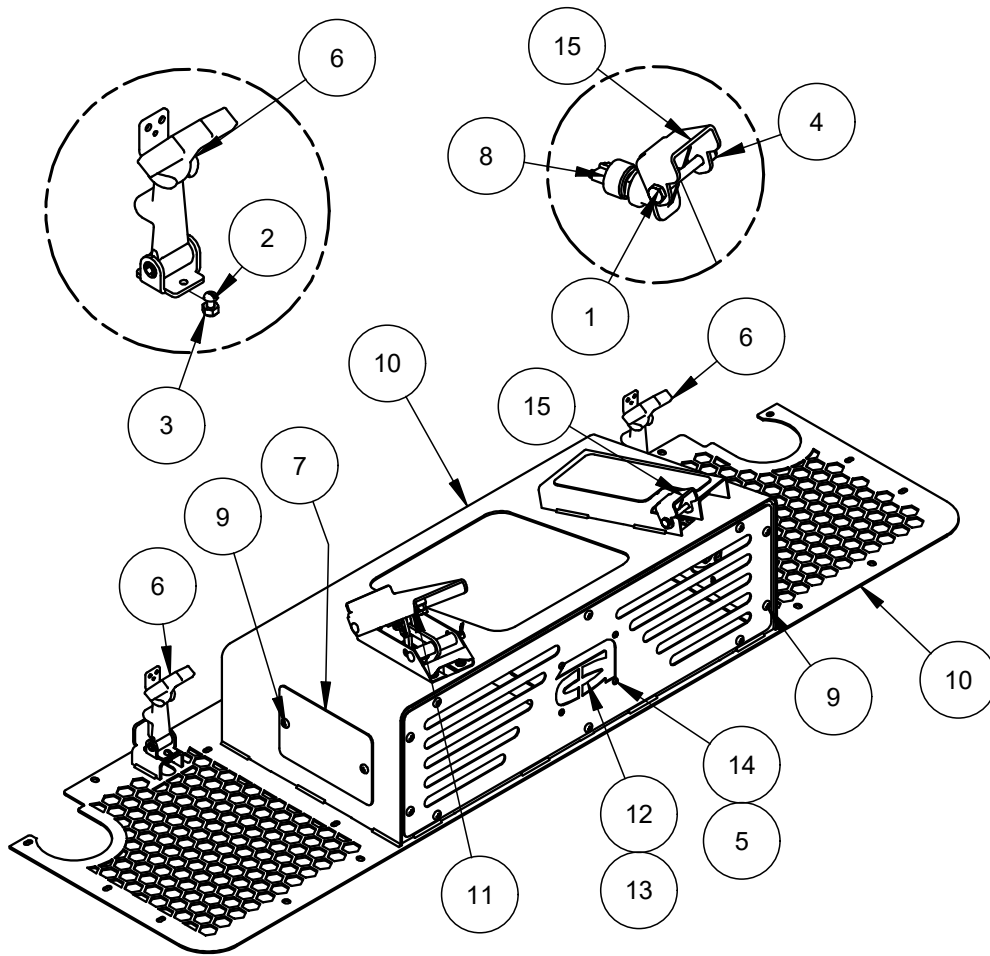
Pitch Control Assembly (038174)



ITEM	PART NO.	DESCRIPTION	QTY
1	015747	PIN, ROLL 3/16 X 1-3/8 SPIRAL	1
2	015768	FASTENER, SHCS 1/4-20 X 1/4	2
3	032115	KNOB, PITCH CONTROL HANDLE	1
4	038176	WELDMENT, VANG AND KOH PITCH CONT TUBE	1
5	038178	PLATE, PITCH ROD 37 5/16 X 1/2	1
6	061529	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT, LONG	1
7	075902	BUSHING, SLIDE PITCH CONTROL	1
8	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8, SS THREAD LOCKING	2

Front Deck Assembly (073393)

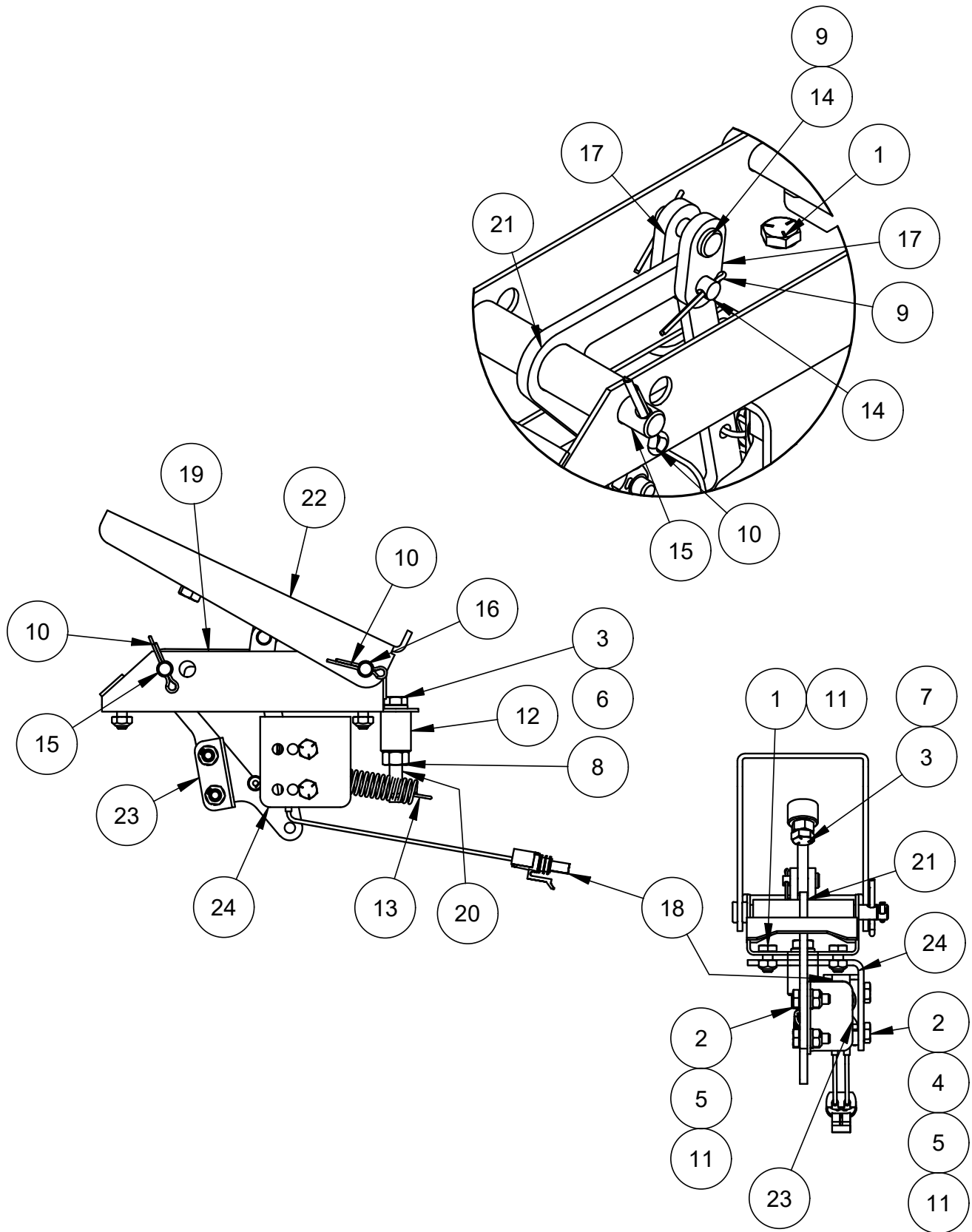
SECTION 1 PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	010009	FASTENER, HHCS 1/4-20 X 2 1/2	1
2	010568	FASTENER, SCREW10-32 X 1/2	4
3	029568	FASTENER, HEX NUT10-32 NYLOCK	4
4	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	1
5	039100	FASTENER, HEX NUT 8-32 NYLOCK	4
6	042260	LATCH, T-HANDLE EXTRA-LARGE DRAW	2
7	060492	PLATE, COVER TOP DECK SIDE	1
8	068956	SWITCH, MOMENTARY	1
9	069737	FASTENER, SCREW 1/4-20 X 3/4	12
10	071038	WELDMENT, TOP DECK F/ MSP455 KOHLER	1
11	071050	ASSEMBLY, FOOT PEDAL THROTTLE	1
12	071074	COVER FRONT, FOR MSP455	1
13	074535	PLATE, BACKING FOR SMALL SYMBOL RED	1
14	074537	FASTENER, SCREW 8-32 X 1/2" BLACK	4
15	076300	WELDMENT, PEDAL WATER SWITCH FOR RIDERS	1

SECTION 1 PARTS

Throttle Pedal and Kill Switch (071050)



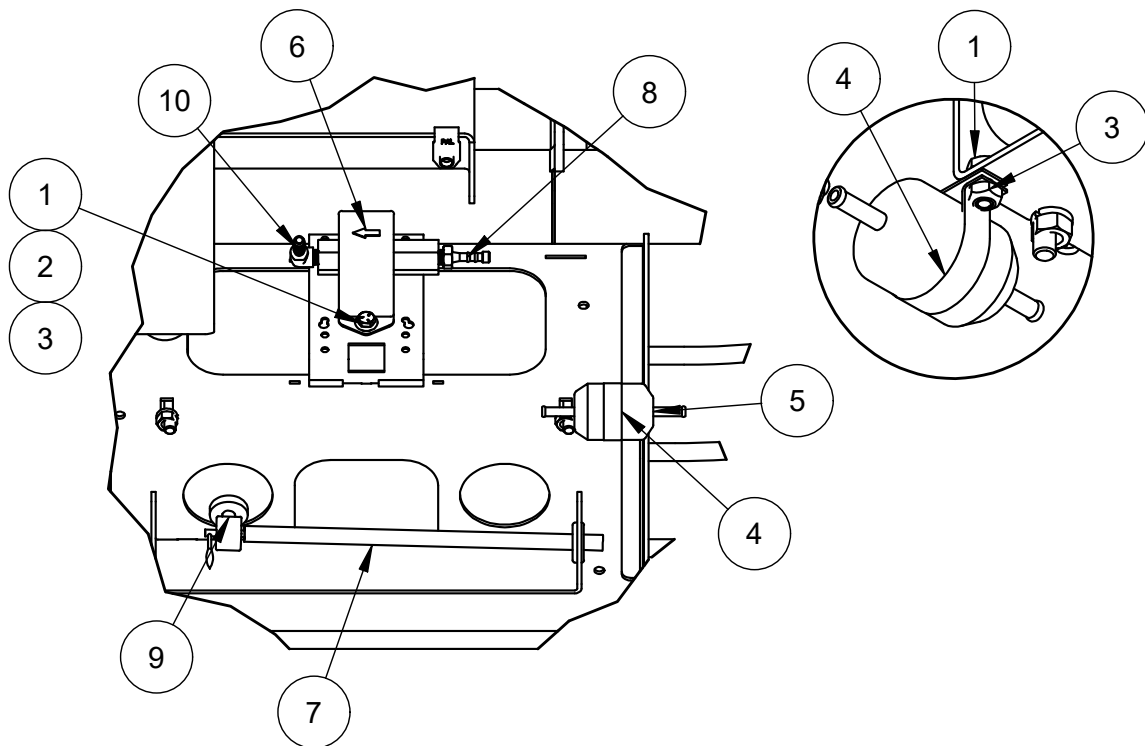
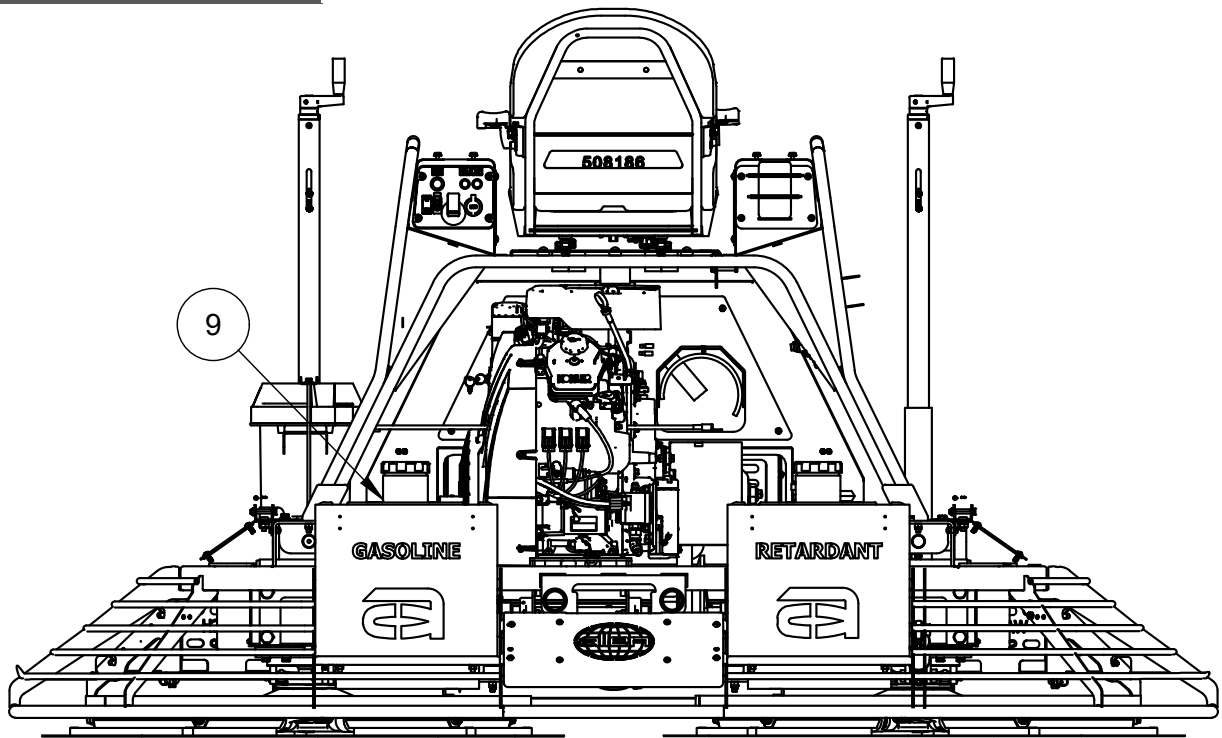
Throttle Pedal and Kill Switch Parts List (071050)

SECTION 1 PARTS

ITEM	PART NO.	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, FW 1/4	2
5	010089	FASTENER, LW 1/4	4
6	010090	FASTENER, LW 5/16	1
7	010100	FASTENER, HEX NUT 5/16-18	1
8	010102	FASTENER, HEX NUT 3/8-16	1
9	010131	PIN, COTTER Ø1/16 X 1	2
10	012361	PIN, COTTER Ø1/8 X 1	2
11	020542	FASTENER, HEX NUT STOVER 1/4-20	8
12	024842	BOSS, FOOT SPEED	1
13	024981	EXTENSION SPRING	1
14	024982	PIN, CLEVIS 1/4 X 51/64	2
15	024983	PIN, CLEVIS 3/8 X 3-1/4	1
16	028895	PIN, CLEVIS 3/8 X 3 3/4	1
17	040246	SHACKLE 1-1/4" FOOT SPEED SHORT	2
18	046742	SWITCH, ROLLER	1
19	071052	WELDMENT, BASE FOOT THROTTLE MSP445/455	1
20	071055	PIN, SPRING FOOT SPEED	1
21	072858	THROTTLE LINK, FOR THROTTLE ASSEMBLY FOR MSP445/455	1
22	072859	ASSEMBLY, FOOT SPEED PEDAL MSP445/455	1
23	073371	BRACKET, STRIKER FOR KILL SWITCH FOR FOOT SPEED	1
24	073372	BRACKET, SWITCH MOUNT FOR KILL SWITCH AT FOOT SPEED	1

SECTION 1 PARTS

Fuel System (Kohler)



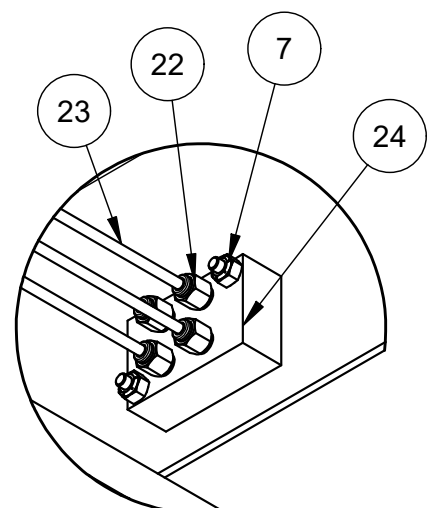
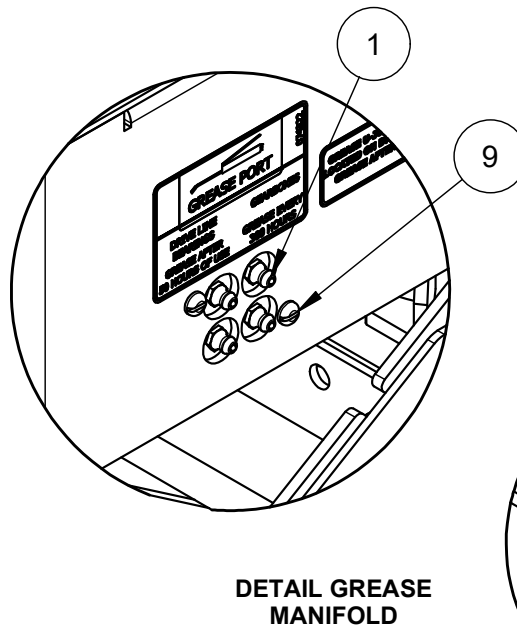
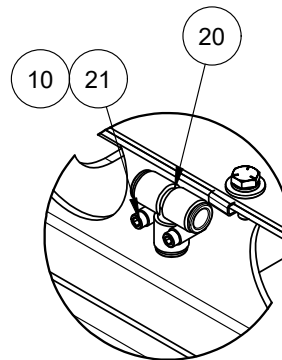
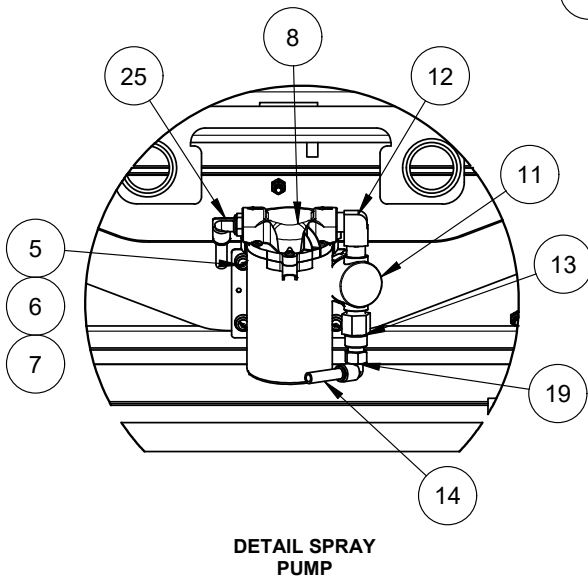
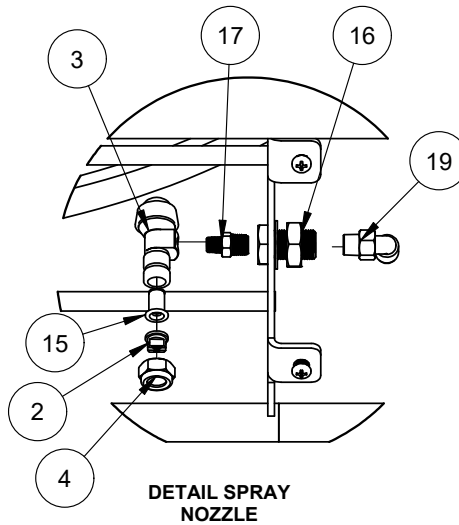
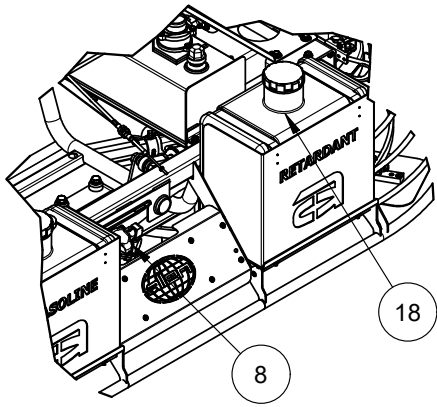
DETAIL FUEL PUMP/FILTER

UNDERSIDE (LEFT)

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	7
2	010081	FASTENER, FW 1/4	13
3	020542	FASTENER, HEX NUT STOVER 1/4-20	10
4	048963	STRAP, GAS FILTER	1
5	057993	FILTER, FUEL	1
6	060915	ELECTRIC FUEL PUMP	1
7	065990	FUEL LINE, 5/16 ID	6FT
8	069211	BARBED HOSE FITTING, 1/4 X 1/8 NPT	1
9	072854	FUEL TANK, ASSEMBLY 7 GALLON CAPACITY	1
10	072877	FITTING, BARB ELBOW 1/4 X 1/8	1

SECTION 1 PARTS

Spray and Lubrication System



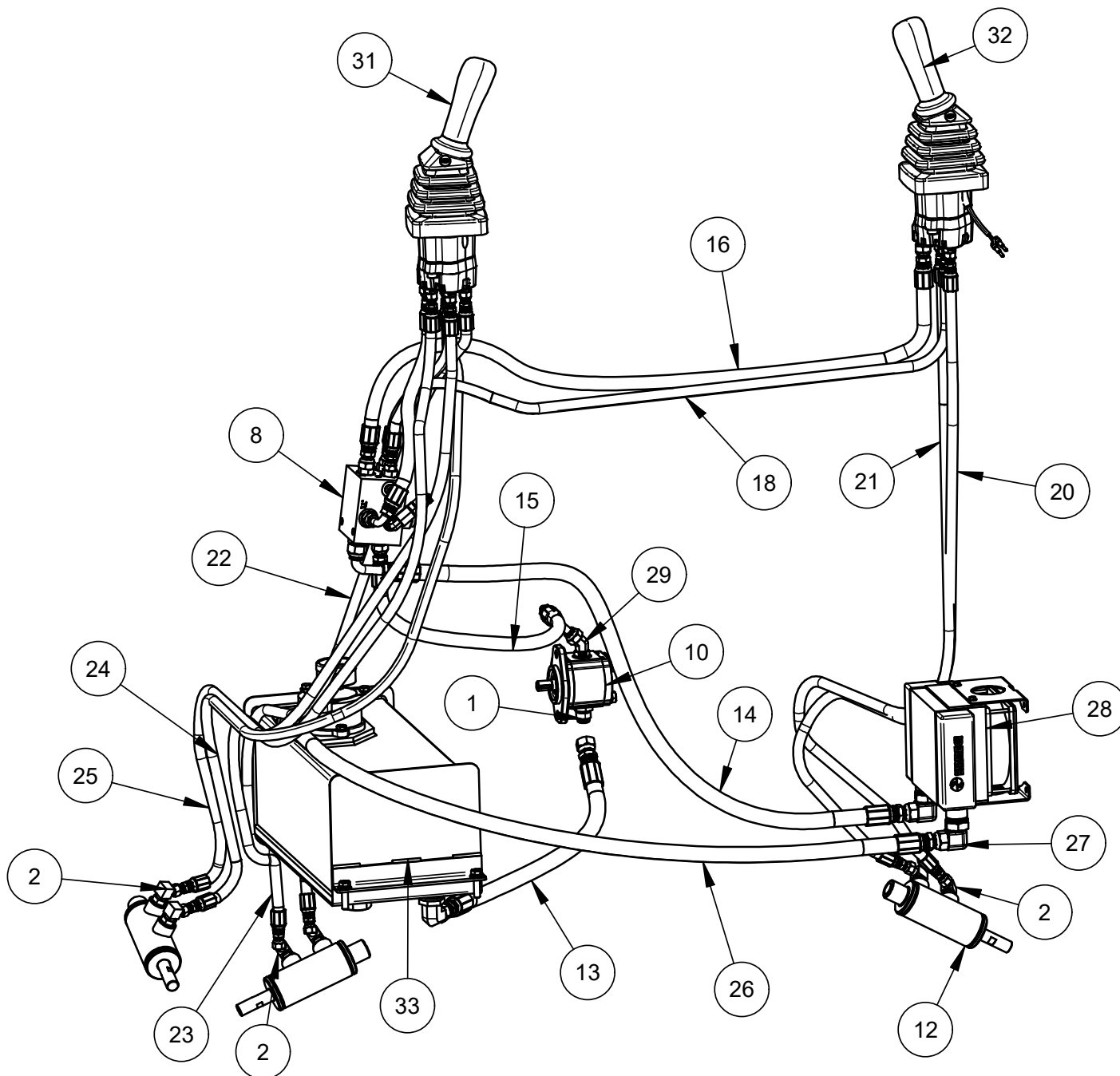
Spray and Lubrication System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010513	FITTING, 1/4-28 STR GREASE	4
2	012702	TIP, 80° X 0.10 GPM BRASS SPRAY	2
3	012704	BODY, BRASS CHECK VALVE NOZZLE	2
4	012705	RETAINER, BRASS SPRAY TIP	2
5	016382	FASTENER, SCREW 10-32 X 3/8	4
6	018072	FASTENER, FW #10	4
7	029568	FASTENER, HEX NUT 10-32 NYLOCK	10
8	033735	PUMP, SPRAY SYSTEM	1
9	036791	FASTENER, 10-32 X 3/8	2
10	039100	FASTENER, HEX NUT NYLOCK 8-32	2
11	040209	FILTER, RETARDANT SPRAY SYSTEM	1
12	040387	ELBOW, 3/8 BRASS 90° STREET	1
13	040388	FITTING, 3/8 X 1/4 BRASS FM TO FM REDUCER	1
14	048246	HOSE, 3/8 X 1/4 ID WATER LINE	12FT
15	065244	STRAINER, POLY 50μ MESH, W/ CHECK VALVE	2
16	071016	FITTING, BULK HEAD BRASS 1/4 NPT	2
17	071017	FITTING, REDUCING HEX NIPPLE 1/4 TO 1/8 NPT	2
18	071536	TANK, 7 GALLON RETARDANT ASSEMBLY	1
19	071596	FITTING, ONE TOUCH ELBOW 1/4 NPT TO 3/8 HOSE CONNECTION	3
20	071599	FITTING, ONE TOUCH TEE 3/8 HOSE CONNECTION	1
21	073283	FASTENER, HSCS 8-32 X 1	2
22	073815	FITTING, PUSH IN STRAIGHT FOR 4MM TUBING	6
23	073819	TUBING, 4 MM PLASTIC FOR GREASE LINE	15FT
24	074337	BLOCK, MANIFOLD GREASE PORTS	1
25	078110	FITTING, ONE TOUCH ELBOW 3/8 NPT MALE TO 3/8 HOSE CONNECTION	1

SECTION 1 PARTS

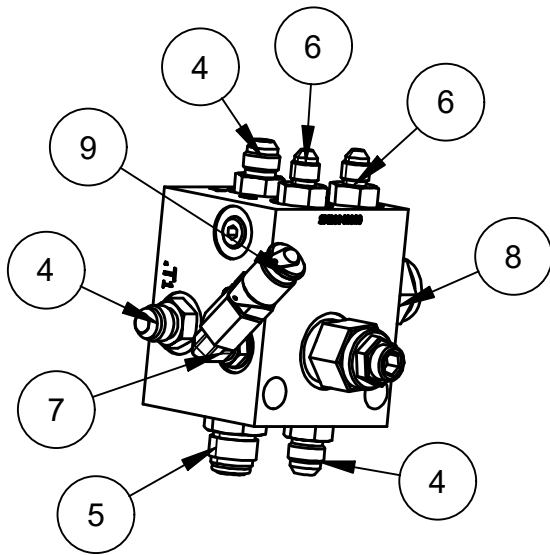
Hydraulics Assembly



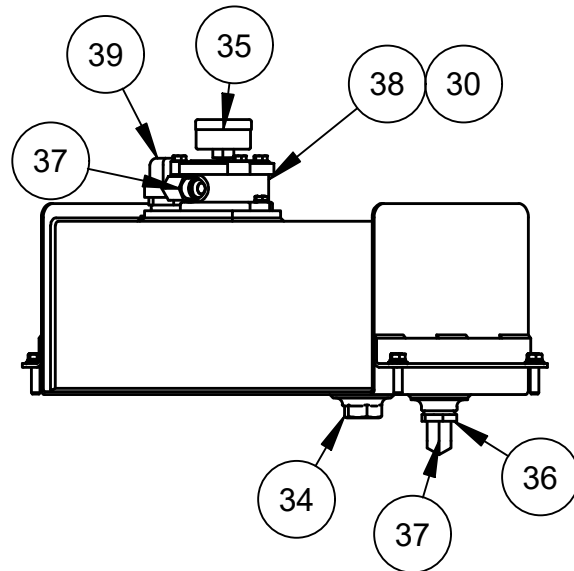
Hydraulics Assembly Parts List

SECTION 1 PARTS

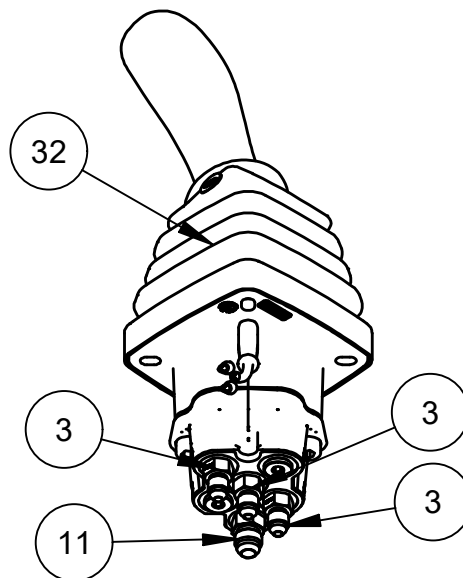
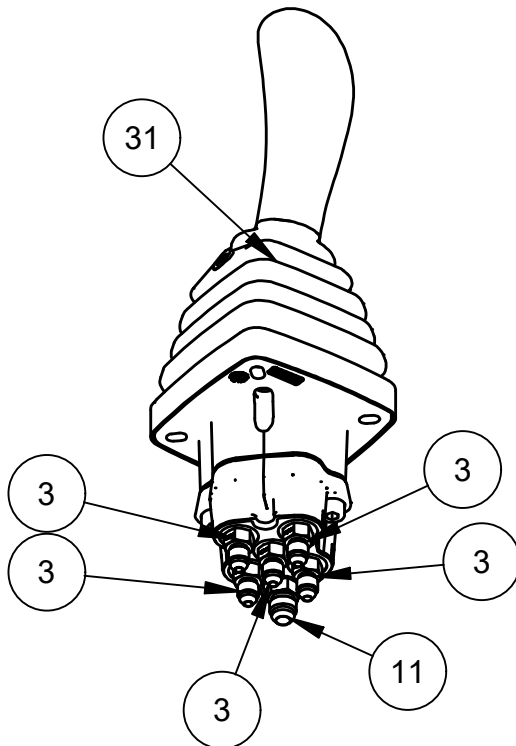
ITEM	PART NO.	DESCRIPTION	QTY
1	045921	FITTING, F6400-8-8-0 STR JIC-SAE	1
2	045923	FITTING, F6801-4-6-NWO 90° ELB JIC-SAE	6
3	045928	FITTING, F6400-4-4-0 STR JIC-SAE	8
4	045915	FITTING, F6400-6-6-0 STR JIC-SAE	3
5	045921	FITTING, F6400-8-8-0 STR JIC-SAE	1
6	045922	FITTING, F6400-4-6-0 STR ML JIC-SAE	2
7	045929	FITTING, F6801-4-4-NWO ELB JIC-SAE	1
8	046735	MANIFOLD, HYDRAULIC STEERING	1
9	048730	FITTING, TEST PORT 7/16-20 FEM THD	1
10	046738	PUMP, HYDRAULIC GEAR. FOR POWER STEERING RIDERS	1
11	046777	FITTING, F6400-6-4-0 STR JIC-SAE	2
12	048660	CYLINDER, 1.5 X 0.625 STEERING	3
13	052906	HOSE, TANK TO AUX. PUMP	1
14	052907	HOSE, MANIFOLD TO BOTTOM OF COOLER	1
15	052908	HOSE, PUMP P PORT TO AUX. MANIFOLD	1
16	052909	HOSE, LH JOYSTICK TO T PORT	1
17	052910	HOSE, RH JOYSTICK TO T1 PORT	1
18	052911	HOSE, MANIFOLD PORT B TO LH JOYSTICK	1
19	052912	HOSE, MANIFOLD PORT A TO RH JOYSTICK	1
20	052913	HOSE, LH JOYSTICK TO PISTON SIDE OF CYLINDER	1
21	052914	HOSE, LH JOYSTICK #2 PORT TO ROD SIDE OF CYLINDER	1
22	052915	HOSE, RH JOYSTICK #3 PORT TO ROD SIDE OF CYLINDER	1
23	052916	HOSE, RH JOYSTICK #1 PORT TO PISTON SIDE OF CYLINDER	1
24	052917	HOSE, RH JOYSTICK #2 PORT TO ROD SIDE OF CYLINDER	1
25	052918	HOSE, RH JOYSTICK #4 PORT TO PISTON SIDE OF CYLINDER	1
26	052920	HOSE, RETURN LINE FILTER TO TOP OF COOLER	1
27	052928	FITTING, 9059-8-8 90° ELBOW JIC-BSPP	2
28	052930	COOLER, AIR/OIL	1
29	061001	FITTING, F6802-6-6 NWO 45° ELBOW JIC-SAE	1
30	061528	FILTER, ELEMENT HYDRAULIC FOR RTF-10	1
31	064817	JOYSTICK, RH DUAL AXIS	1
32	064818	JOYSTICK, LH SINGLE AXIS	1
33	073276	ASSEMBLY, HYDRALIC TANK FOR MSP455 RIDER	1
34	045948	FITTING, MAGNETIC PLUG	1
35	046241	GAUGE, RETURN FILTER	1
36	046732	SUCTION STRAINER	1
37	049058	FITTING, F2501-8-8-0 90° ELBOW JIC-NPT	2
38	049978	RETURN FILTER	1
39	073277	NPT BREATHER W/CUSTOM DIPSTICK	1



RH JOYSTICK



LH JOYSTICK



Hydrauloc Oil 46 (DTE25)
Part Number: 001002

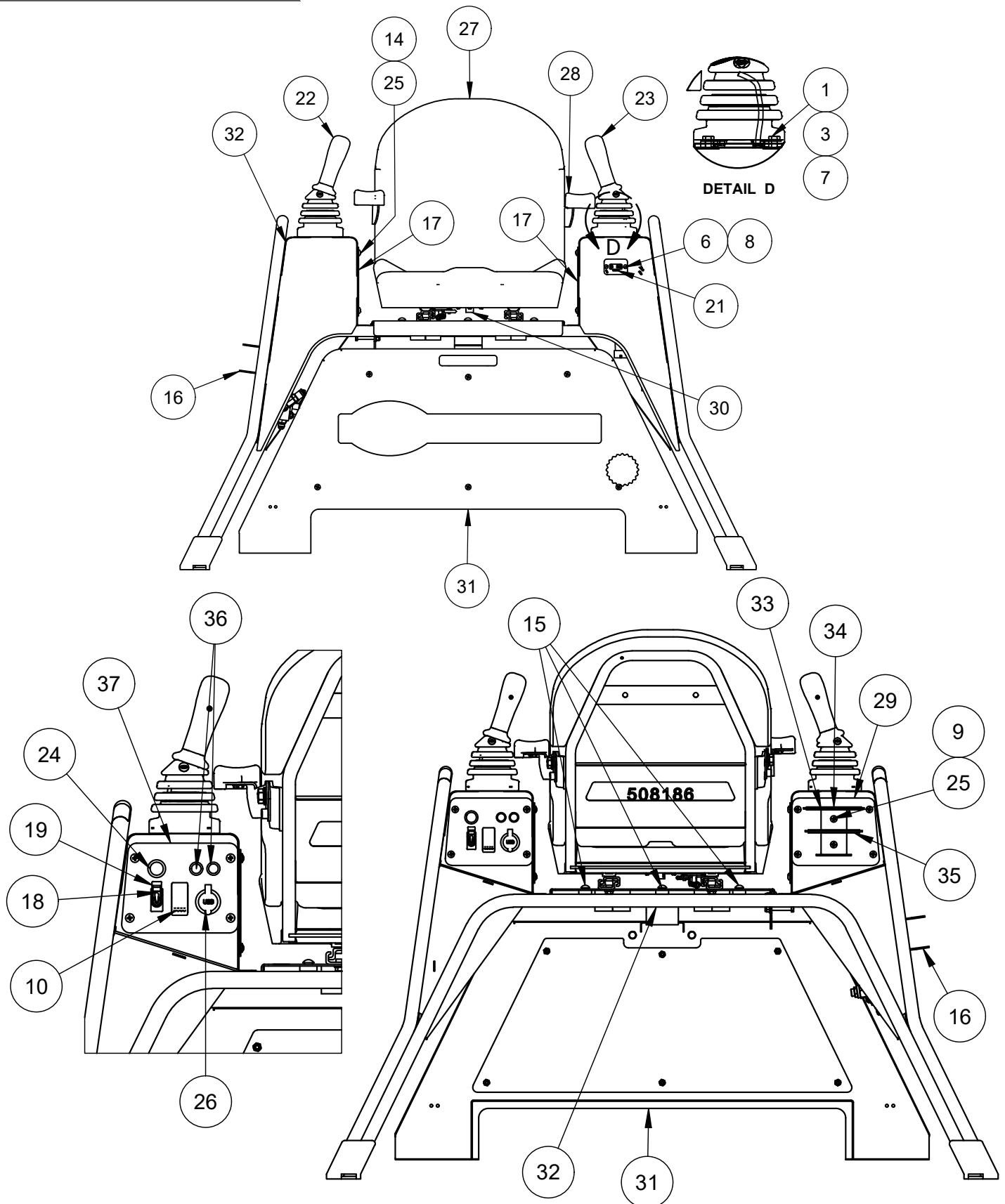
Hydraulics Assembly Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	045921	FITTING, F6400-8-8-0 STR JIC-SAE	1
2	045923	FITTING, F6801-4-6-NWO 90° ELB JIC-SAE	6
3	045928	FITTING, F6400-4-4-0 STR JIC-SAE	8
4	045915	FITTING, F6400-6-6-0 STR JIC-SAE	3
5	045921	FITTING, F6400-8-8-0 STR JIC-SAE	1
6	045922	FITTING, F6400-4-6-0 STR ML JIC-SAE	2
7	045929	FITTING, F6801-4-4-NWO ELB JIC-SAE	1
8	046735	MANIFOLD, HYDRAULIC STEERING	1
9	048730	FITTING, TEST PORT 7/16-20 FEM THD	1
10	046738	PUMP, HYDRAULIC GEAR. FOR POWER STEERING RIDERS	1
11	046777	FITTING, F6400-6-4-0 STR JIC-SAE	2
12	048660	CYLINDER, 1.5 X 0.625 STEERING	3
13	052906	HOSE, TANK TO AUX. PUMP	1
14	052907	HOSE, MANIFOLD TO BOTTOM OF COOLER	1
15	052908	HOSE, PUMP P PORT TO AUX. MANIFOLD	1
16	052909	HOSE, LH JOYSTICK TO T PORT	1
17	052910	HOSE, RH JOYSTICK TO T1 PORT	1
18	052911	HOSE, MANIFOLD PORT B TO LH JOYSTICK	1
19	052912	HOSE, MANIFOLD PORT A TO RH JOYSTICK	1
20	052913	HOSE, LH JOYSTICK TO PISTON SIDE OF CYLINDER	1
21	052914	HOSE, LH JOYSTICK #2 PORT TO ROD SIDE OF CYLINDER	1
22	052915	HOSE, RH JOYSTICK #3 PORT TO ROD SIDE OF CYLINDER	1
23	052916	HOSE, RH JOYSTICK #1 PORT TO PISTON SIDE OF CYLINDER	1
24	052917	HOSE, RH JOYSTICK #2 PORT TO ROD SIDE OF CYLINDER	1
25	052918	HOSE, RH JOYSTICK #4 PORT TO PISTON SIDE OF CYLINDER	1
26	052920	HOSE, RETURN LINE FILTER TO TOP OF COOLER	1
27	052928	FITTING, 9059-8-8 90° ELBOW JIC-BSPP	2
28	052930	COOLER, AIR/OIL	1
29	061001	FITTING, F6802-6-6 NWO 45° ELBOW JIC-SAE	1
30	061528	FILTER, ELEMENT HYDRAULIC FOR RTF-10	1
31	064817	JOYSTICK, RH DUAL AXIS	1
32	064818	JOYSTICK, LH SINGLE AXIS	1
33	073276	ASSEMBLY, HYDRALIC TANK FOR MSP455 RIDER	1
34	045948	FITTING, MAGNETIC PLUG	1
35	046241	GAUGE, RETURN FILTER	1
36	046732	SUCTION STRAINER	1
37	049058	FITTING, F2501-8-8-0 90° ELBOW JIC-NPT	2
38	049978	RETURN FILTER	1
39	073277	NPT BREATHER W/CUSTOM DIPSTICK	1

SECTION 1 PARTS

Seat Frame Assembly (071075)



Seat Frame Assembly Parts List (071075)

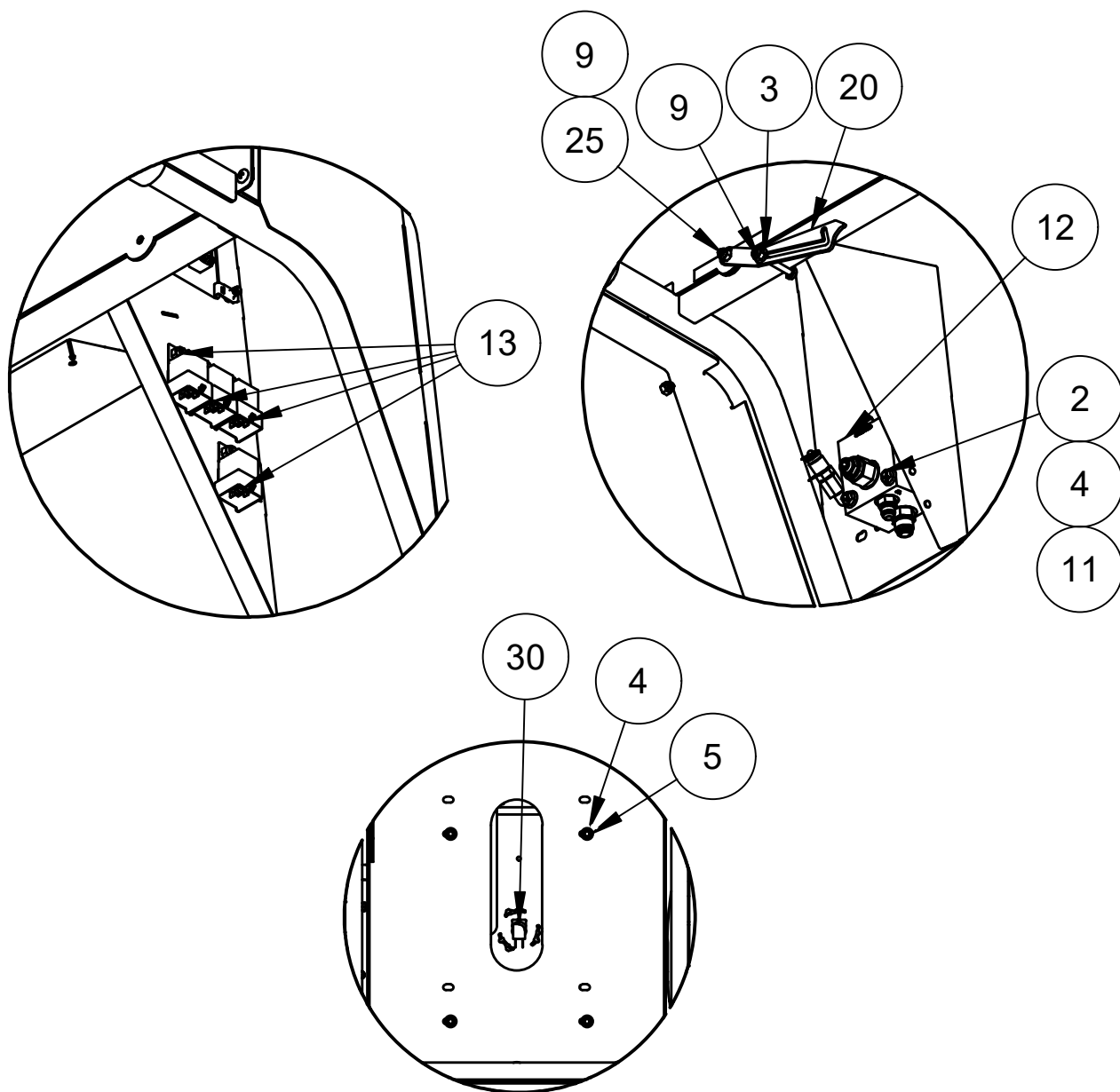
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	8
2	010030	FASTENER, SHCS 5/16-18 X 3	2
3	010081	FASTENER, FW 1/4	10
4	010082	FASTENER, FW 5/16	8
5	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
6	016382	FASTENER, RHMS 10-32 X 1	2
7	020542	FASTENER, HEX NUT STOVER 1/4-20	8
8	029568	FASTENER, HEX NUT 10-32 NYLOCK	2
9	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	10
10	032125	SWITCH, ROCKER	1
11	040004	FASTENER, 5/16-18 GR-C STOVER HEX NUT	2
12	046735	MANIFOLD FOR STEERING	1
13	047052	RELAY, 12V 30/50A	4
14	047546	FASTENER, PAL NUT 1/4-20	16
15	047665	BUMPER, RUBBER	3
16	049632	TOOL HOLDER BRACKET	1
17	050049	ACCESS PANEL	2
18	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
19	050604	COVER, TOGGLE SWITCH	1
20	053211	SEAT PROP	1
21	064386	METER, TACH/HOUR INDUCTIVE, F/EFI	1
22	064817	JOYSTICK, RH DUAL AXIS	1
23	064818	JOYSTICK, LH SINGLE AXIS	1
24	068956	SWITCH, MOMENTARY	1
25	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	21
26	069850	USB RECEPTACLE 12VDC	1
27	069874	SEAT, RIDER	1
28	069875	ARM REST, RIDER SEAT (RH/LH SET)	1
29	070479	COVER, RH INSIDE FOR SEAT FRAME ASSEMBLY	1
30	071032	SWITCH, FOR 069874 SEAT - NORMALLY CLOSED	1
31	071066	FRONT SCREEN ASSEMBLY	1
32	071076	WELDMENT, SEAT FRAME	1
33	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
34	*071123	RUBBER TRIM CUT 12 500" USE 071122	1.05FT
35	*071124	RUBBER TRIM CUT 10.500" USE 071122	0.875FT
36	073948	LIGHT, RED LED FLUSH PANEL MNT. SNAP-IN FOR 5/8" HOLE	2
37	074010	PANEL ENGINE CONTROL	1

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

SECTION 1 PARTS

Seat Frame Assembly (071075) Continued



Seat Frame Assembly Parts List (071075)

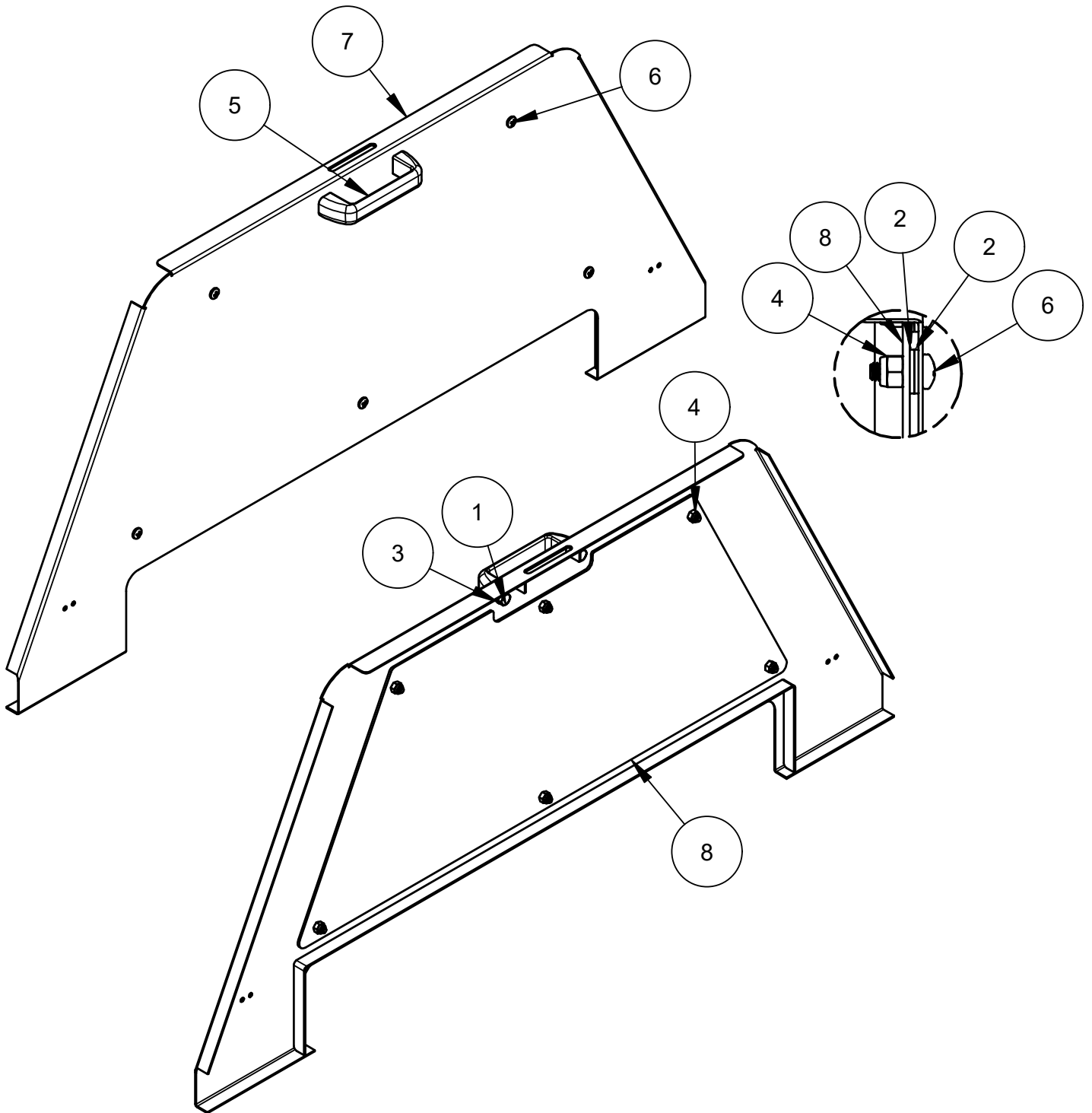
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	8
2	010030	FASTENER, SHCS 5/16-18 X 3	2
3	010081	FASTENER, FW 1/4	10
4	010082	FASTENER, FW 5/16	8
5	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
6	016382	FASTENER, RHMS 10-32 X 1	2
7	020542	FASTENER, HEX NUT STOVER 1/4-20	8
8	029568	FASTENER, HEX NUT 10-32 NYLOCK	2
9	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	10
10	032125	SWITCH, ROCKER	1
11	040004	FASTENER, 5/16-18 GR-C STOVER HEX NUT	2
12	046735	MANIFOLD FOR STEERING	1
13	047052	RELAY, 12V 30/50A	4
14	047546	FASTENER, PAL NUT 1/4-20	16
15	047665	BUMPER, RUBBER	3
16	049632	TOOL HOLDER BRACKET	1
17	050049	ACCESS PANEL	2
18	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
19	050604	COVER, TOGGLE, SAFETY	1
20	053211	SEAT PROP	1
21	064386	METER, TACH/HOUR INDUCTIVE, F/EFI	1
22	064817	JOYSTICK, RH DUAL AXIS	1
23	064818	JOYSTICK, LH SINGLE AXIS	1
24	068956	SWITCH, MOMENTARY	1
25	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	21
26	069850	USB RECEPTACLE 12VDC	1
27	069874	SEAT, RIDER	1
28	069875	ARM REST, RIDER SEAT (RH/LH SET)	1
29	070479	COVER, RH INSIDE FOR SEAT FRAME ASSEMBLY	1
30	071032	SWITCH, FOR 069874 SEAT - NORMALLY CLOSED	1
31	071066	FRONT SCREEN ASSEMBLY	1
32	071076	WELDMENT, SEAT FRAME	1
33	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
34	071123*	RUBBER TRIM CUT 12 500" USE 071122	1.05FT
35	071124*	RUBBER TRIM CUT 10.500" USE 071122	0.875FT
36	073948	LIGHT, RED LED FLUSH PANEL MNT. SNAP-IN FOR 5/8" HOLE	2
37	074010	PANEL ENGINE CONTROL	1

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

SECTION 1 PARTS

Front Screen Assembly (071066)

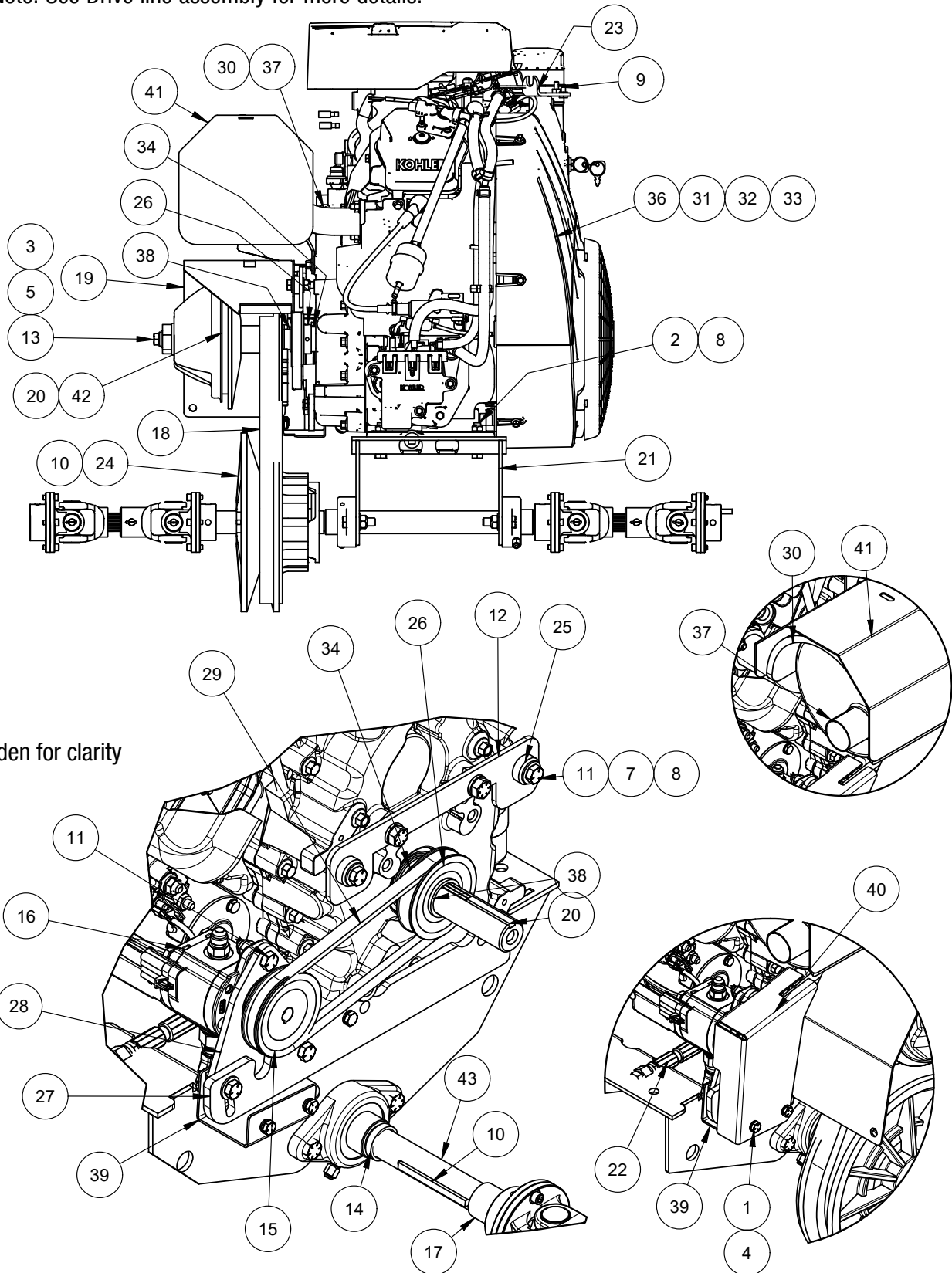


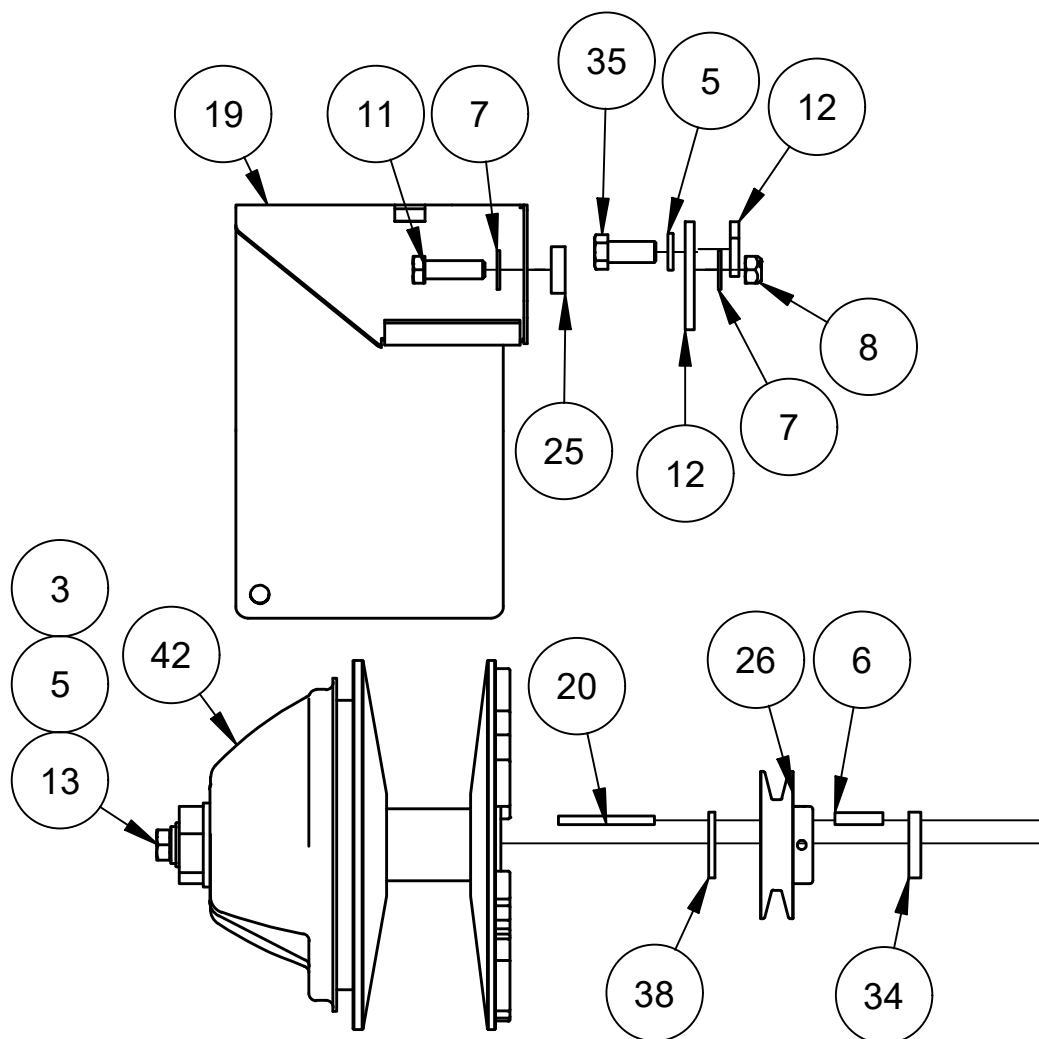
ITEM	PART NO.	DESCRIPTION	QTY
1	010018	FASTENER, HHCS 5/16 -18 X 1/2	2
2	010081	FASTENER, FW 1/4	12
3	010090	FASTENER, LW 5/16	2
4	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	6
5	048678	HANDLE, LOAD RATED NYLON	1
6	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	6
7	071067	WELDMENT, FRONT SCREEN	1
8	080400	PLATE, HEAT SHIELD F/ FRONT SCREEN	1

SECTION 1 PARTS

Power Unit Assembly (070120)

Note: See Drive line assembly for more details.





SECTION 1 PARTS

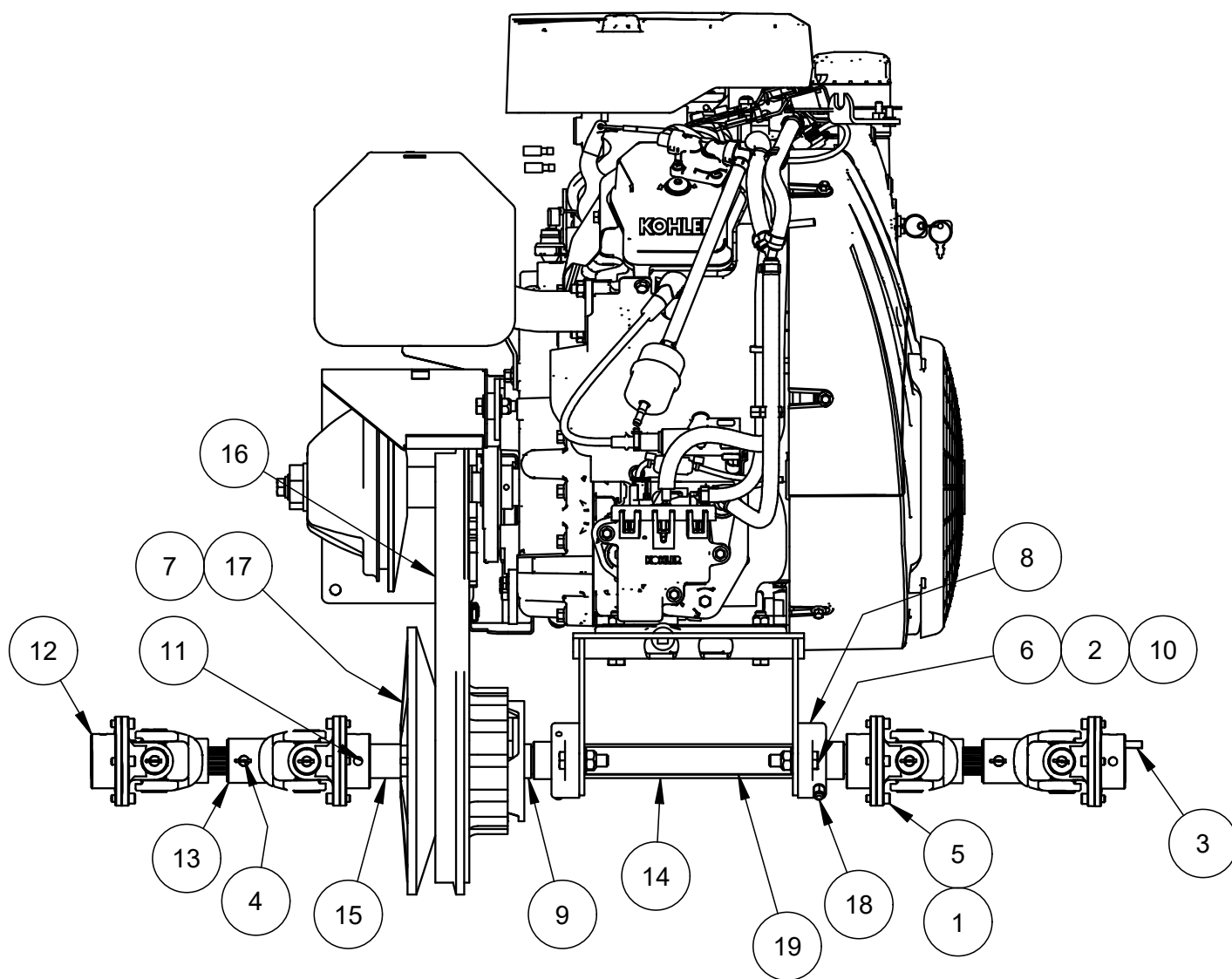
Power Unit Assembly Parts List (070120) Continued

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	2
2	010039	FASTENER, HHCS 3/8-16 X 1 3/4	4
3	010084	FASTENER, FW 7/16	1
4	010089	FASTENER, LW 1/4	20
5	010092	FASTENER, LW 7/16	3
6	011791	KEY, 1/4 SQ X 1	5
7	017751	FASTENER, FW 3/8	5
8	020514	FASTENER, HEX NUT STOVER 3/8-16	6
9	024984	PIVOT, THROTTLE CABLE	2
10	026992	KEY, 1/4 X 3 1/8	1
11	032875	FASTENER, HHCS 3/8-16 X 1-1/4	6
12	033638	BRACKET, MOUNT FOR CVT GUARD F/ KOHLER	1
13	042280	FASTENER, HHCS 7/16-20 X 4-1/2	1
14	042466	SPACER, 1 X 1/4	1
15	046550	PULLEY, 1/2 BORE	1
16	046738	PUMP, HYDRAULIC	1
17	048908	SPACER, 1-1/8 LG DRIVEN PULLEY POSITION	1
18	051332	BELT, CVT	1
19	053136	CVT COVER	1
20	053210	KEY, 3/16 X 1/4 X 2	1
21	053308	WELDMENT, ENGINE PLATE	1
22	053334	HOSE, DRAIN F/ KOHLER	1
23	053385	THROTTLE BRACKET	1
24	053389	PULLEY, DRIVEN	1
25	056470	BUSHING, NITRILE	2
26	056775	PULLEY, 1-1/8 BORE	1
27	056906	ENGINE CONNECTING PLATE	1
28	056912	WELDMENT, HYDRAULIC PUMP MOUNT PLATE	1
29	056922	V-BELT	1
30	056938	HEAT WRAP, 14 X 20	1
31	057991	FILTER, AIR PRIMARY KOHLER ECH980	1
32	057992	FILTER, AIR PRE-CLEANER KOHLER ECH980	1
33	057994	FILTER, OIL FOR KOHLER ECH980	1
34	059513	SPACER, INNER F/ CVT	1
35	065694	FASTENER, HHCS 7/16-14x1	2
36	065825	ENGINE, KOHLER ECH980	1

ITEM	PART NO.	DESCRIPTION	QTY
37	065875	MUFFLER, LH	1
38	067409	SPACER, OUTER F/ CVT	1
39	071586	BRACKET, FOR PULLEY COVER MSP455 ENGINE ASSEMBLY	1
40	071588	COVER F/ AUX PUMP	1
41	072755	MUFFLER GUARD, FOR MSP445/455 EFI	1
42	073310	CVT, DRIVER	1
43	075219	SHAFT, DRIVE	1

SECTION 1 PARTS

Power Unit Continued, Drive line Assembly (070120)



Note item 14 was made transparent for clarity

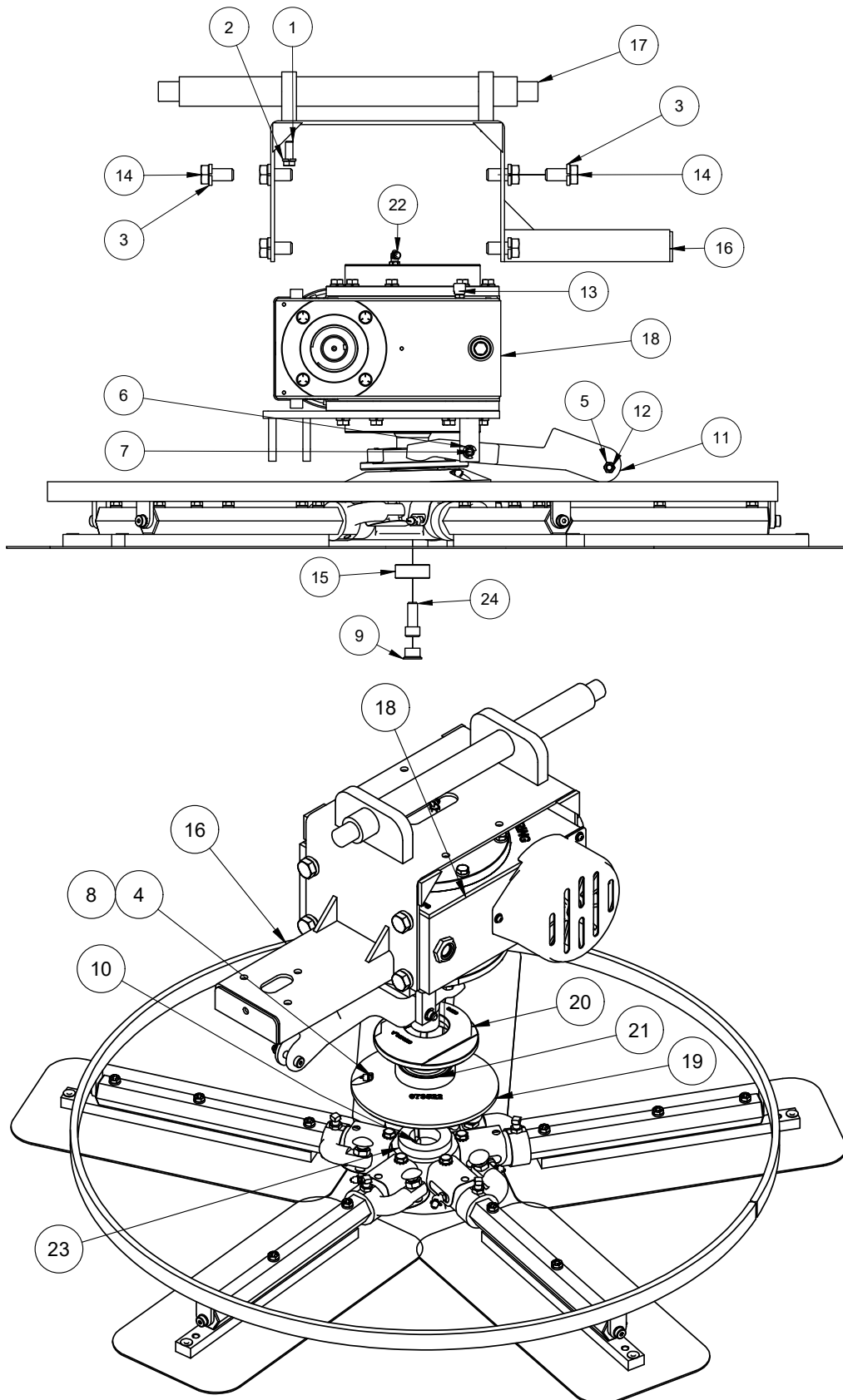
Drive line Assembly Parts List (070120)

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010089	FASTENER, LW 1/4	20
2	010096	FASTENER, FW 7/16	4
3	011791	KEY, 1/4 SQ X 1	4
4	015692	CAP, Ø1/4 RED GREASE	6
5	017314	FASTENER, SHCS 1/4-20 X 5/8	16
6	017898	FASTENER, HHCS 7/16-20 X 1-1/2	4
7	026992	KEY, 1/4 X 3 1/8	1
8	039136	BEARING, 1" FLANGED 2 BOLT ECCENTRIC COLLAR	2
9	042466	SPACER, 1 X 1/4	1
10	047477	FASTENER, HEX NUT STOVER 7/16-20	4
11	047635	HUB, Ø1 BORE U-JOINT CENTER SHAFT	2
12	047636	HUB, Ø1.25 BORE GEARBOX SHAFT	2
13	047637	ASSEMBLY, U-JOINT TELESOPING	2
14	048810	SPACER, FOR BEARING	1
15	048908	SPACER, 1-1/8 LG DRIVEN PULLEY POSITION	1
16	051332	BELT, CVT	1
17	053389	DRIVEN PULLEY	1
18	073817	FITTING, STRAIGHT PUSH-IN FOR 4MM TUBING 1/8 NPT	2
19	075219	SHAFT, DRIVE	1

SECTION 1 PARTS

Left Hand Rotor Assembly (073526)

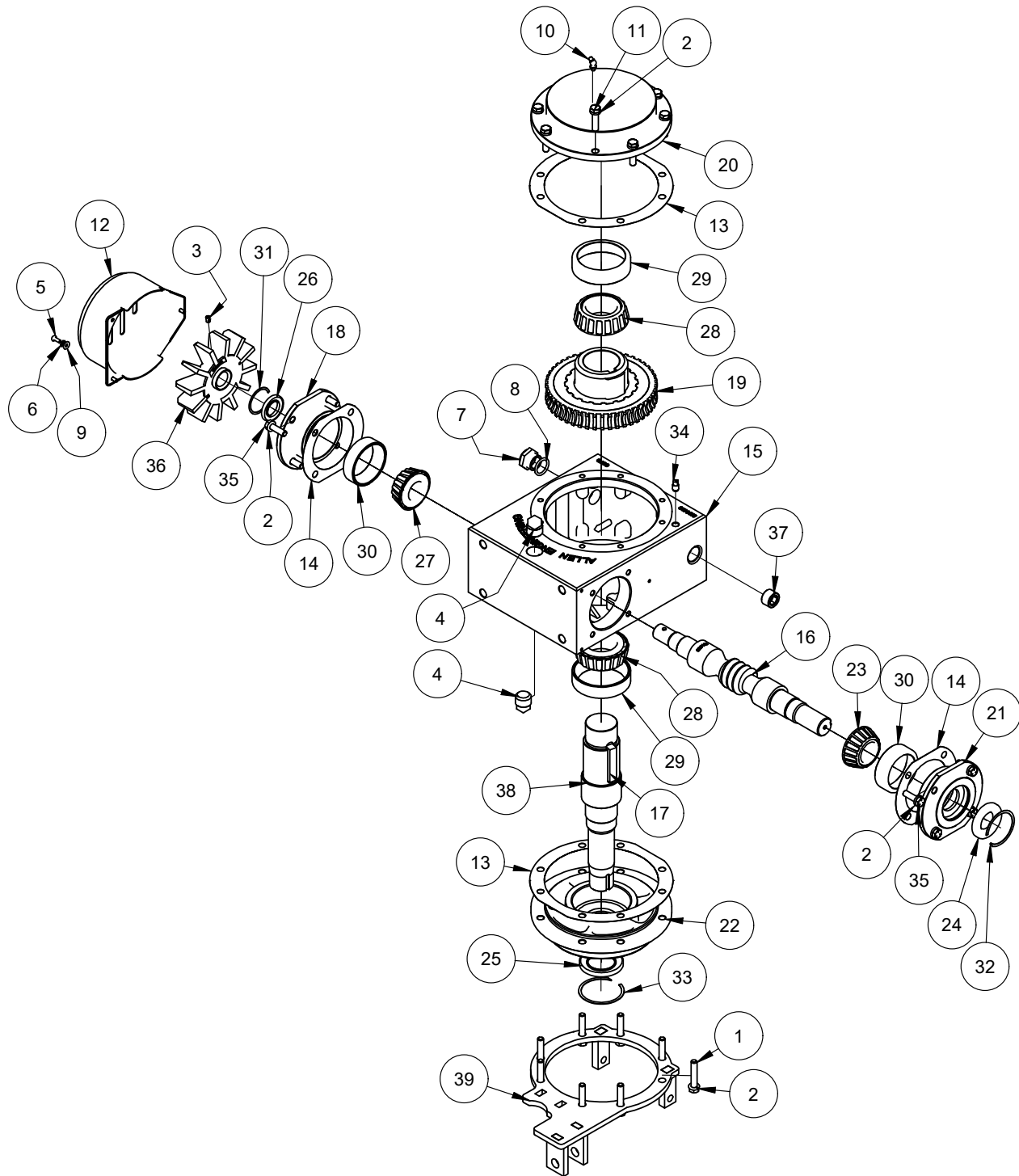


LH Rotor Assembly Parts List (073526)

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8-16 X 1	4
2	010091	FASTENER, LW 3/8	4
3	010095	FASTENER, LW 5/8	8
4	010513	FITTING, 1/4-28 STR GREASE	1
5	012612	FASTENER, HEX NUT NYLOCK 5/16-18	1
6	015677	RING, Ø7/16 E-STYLE RETAINING	2
7	015678	PIN, YOKE ARM	1
8	015692	CAP, Ø1/4 RED GREASE	1
9	015693	PLUG, PLASTIC CAP	1
10	015696	KEY, 0.25 X 1.25	1
11	026215	YOKE, ARM	1
12	026504	FASTENER, SHLDR BOLT 5/16-18 X 1/2 X Ø3/8 X 1-1/4	1
13	029529	VALVE, RELIEF 1/8-27 NPT	1
14	036787	FASTENER, HHCS 5/8-11 X 1 1/4	8
15	037652	WASHER, RETAINING	1
16	048881	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
17	048966	CROSSHEAD, 2-WAY	1
18	056894	GEARBOX, LH	1
19	073522	PRESSURE PLATE FOR SD WITH SEALED BEARING	1
20	073523	CAP, SHD PRESSURE PLATE WITH SEALED BEARING	1
21	073524	BEARING, DEEP GROOVE BALL BEARING	1
22	074094	FITTING, 90 DEGREE 4MM TUBE X 1/4-28 SWIVEL	1
23	079266	ASSEMBLY, SPIDER LH	1
24	079363	FASTENER, SHCS 1/2-13 X 1-1/4 RH	1

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

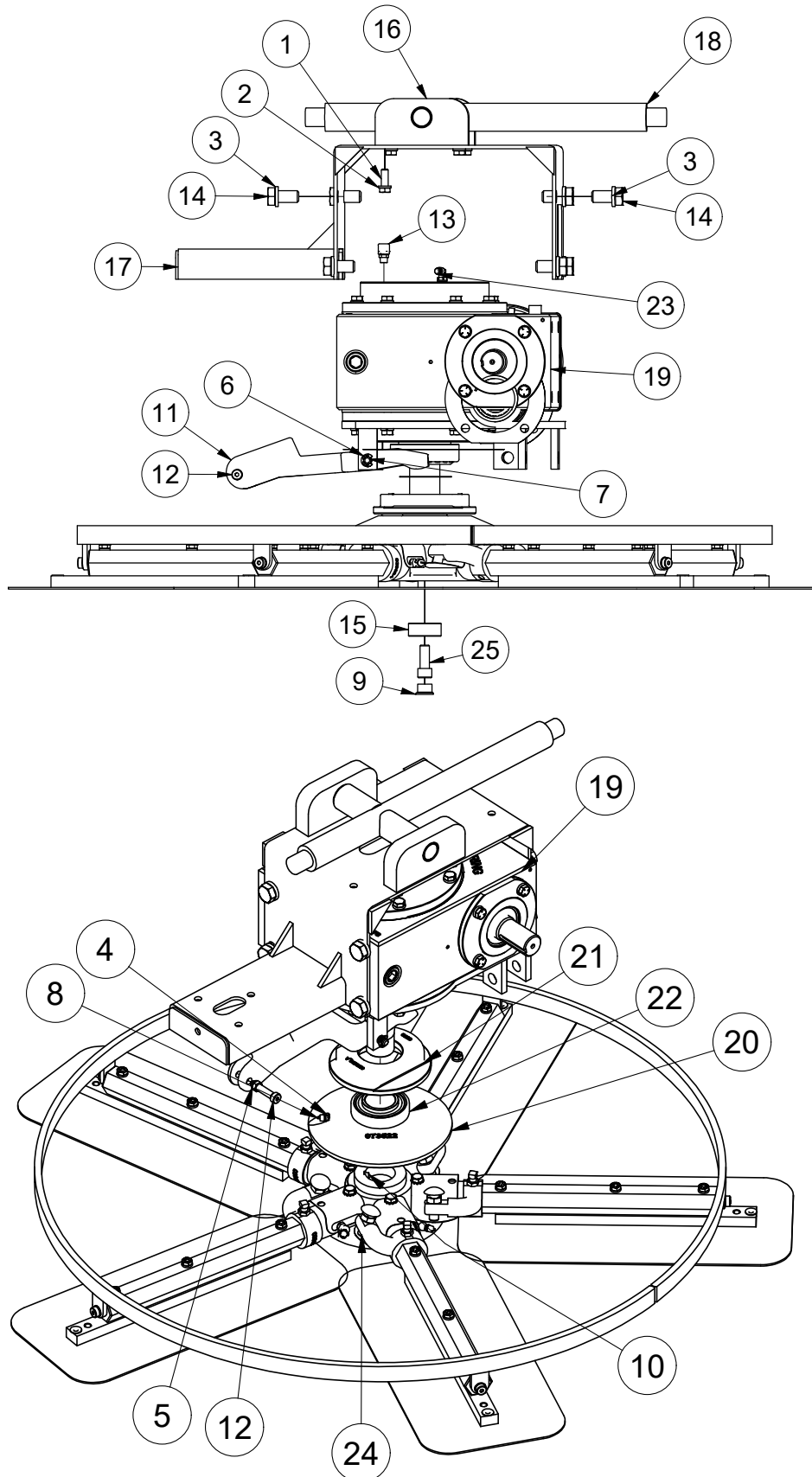
ITEM	PART #	DESCRIPTION	QTY
-	-	OIL, GEARBOX KLUBER GH-460	2.84 L
1	010040	FASTENER, HHCS 3/8"-16 X 2"	8
2	010091	FASTENER, LOCK WASHER 3/8"	24
3	012869	FASTENER, SHSS 1/4"-20 X 3/8"	1
4	012953	PLUG, 3/4" NPT	2
5	013484	FASTENER, SCREW #10-24 X 1/2"	3
6	013740	FASTENER, STAR WASHER #10	3
7	015672	GAUGE, 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 THREAD HOLE	1
39	056895	WELDMENT, 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)

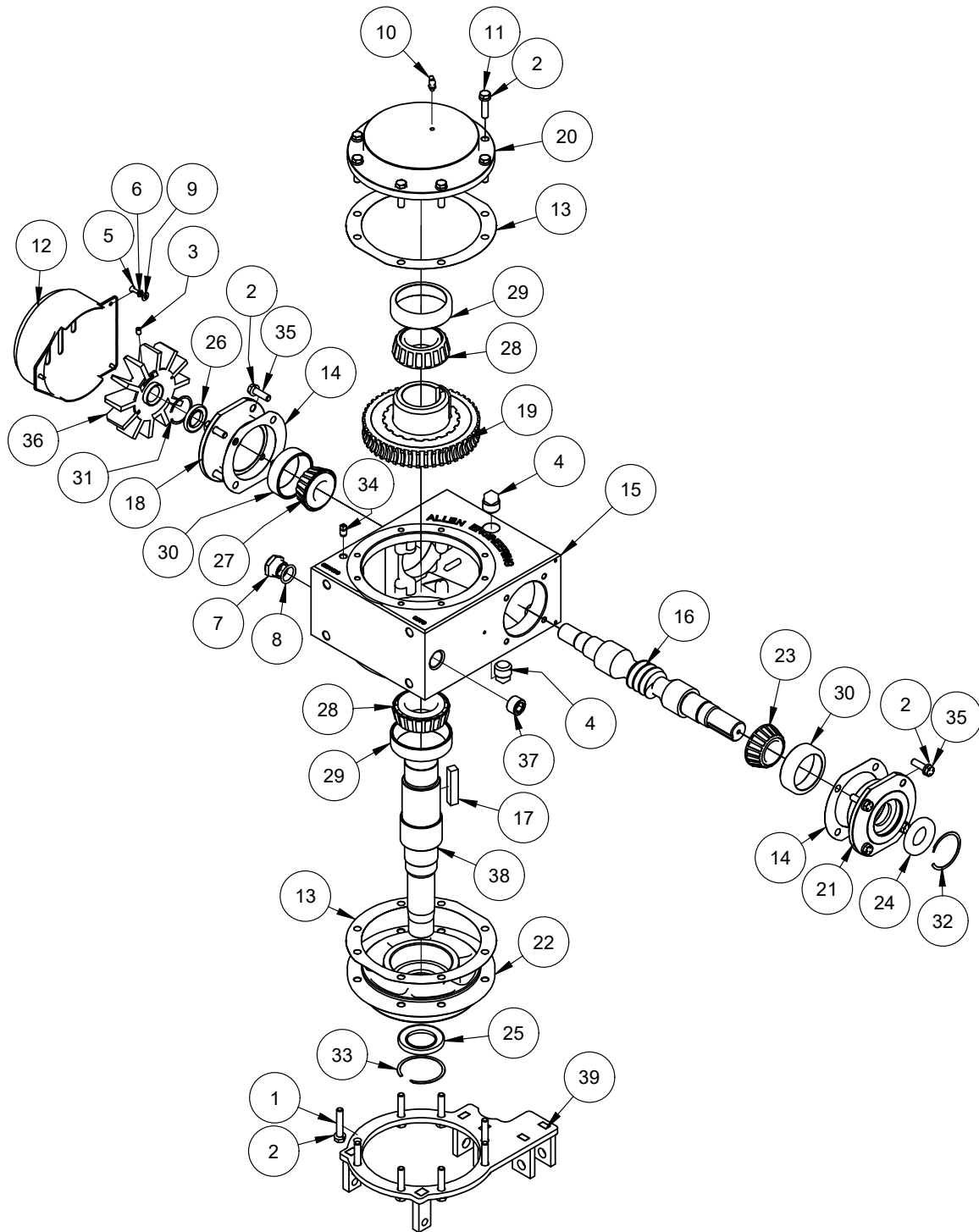


RH Rotor Assembly Parts List (073525)

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8-16 X 1	4
2	010091	FASTENER, LW 3/8	4
3	010095	FASTENER, LW 5/8	8
4	010513	FITTING, 1/4-28 STR GREASE	1
5	012612	FASTENER, HEX NUT NYLOCK 5/16-18	1
6	015677	RING, Ø7/16 E-STYLE RETAINING	2
7	015678	PIN, YOKE ARM	1
8	015692	CAP, Ø1/4 RED GREASE	1
9	015693	PLUG, PLASTIC CAP EC12	1
10	015696	KEY, 0.25 X 1.25	1
11	026215	ARM, YOKE	1
12	026504	FASTENER, SHLDR BOLT 5/16-18 X 1/2 X Ø3/8 X 1-1/4	1
13	029529	VALVE, RELIEF 1/8-27 NPT	1
14	036787	FASTENER, HHCS 5/8-11 X 1 1/4	8
15	037652	WASHER, RETAINING	1
16	048561	ASSEMBLY, BEARING F/ ROTOR MOUNT	2
17	048881	WELDMENT, CROSSHEAD GEARBOX MOUNT	1
18	048964	CROSSHEAD, 4-WAY	1
19	056873	GEARBOX, RH	1
20	073522	PRESSURE PLATE FOR SD WITH SEALED BEARING	1
21	073523	CAP, SHD PRESSURE PLATE WITH SEALED BEARING	1
22	073524	BEARING, GROOVE BALL BEARING	1
23	074094	FITTING, 90 DEGREE 4MM TUBE X 1/4-28 SWIVEL	1
24	079267	ASSEMBLY, SPIDER RH	1
25	079364	FASTENER, SHCS 1/2-13 X 1-1/4 LH	1

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

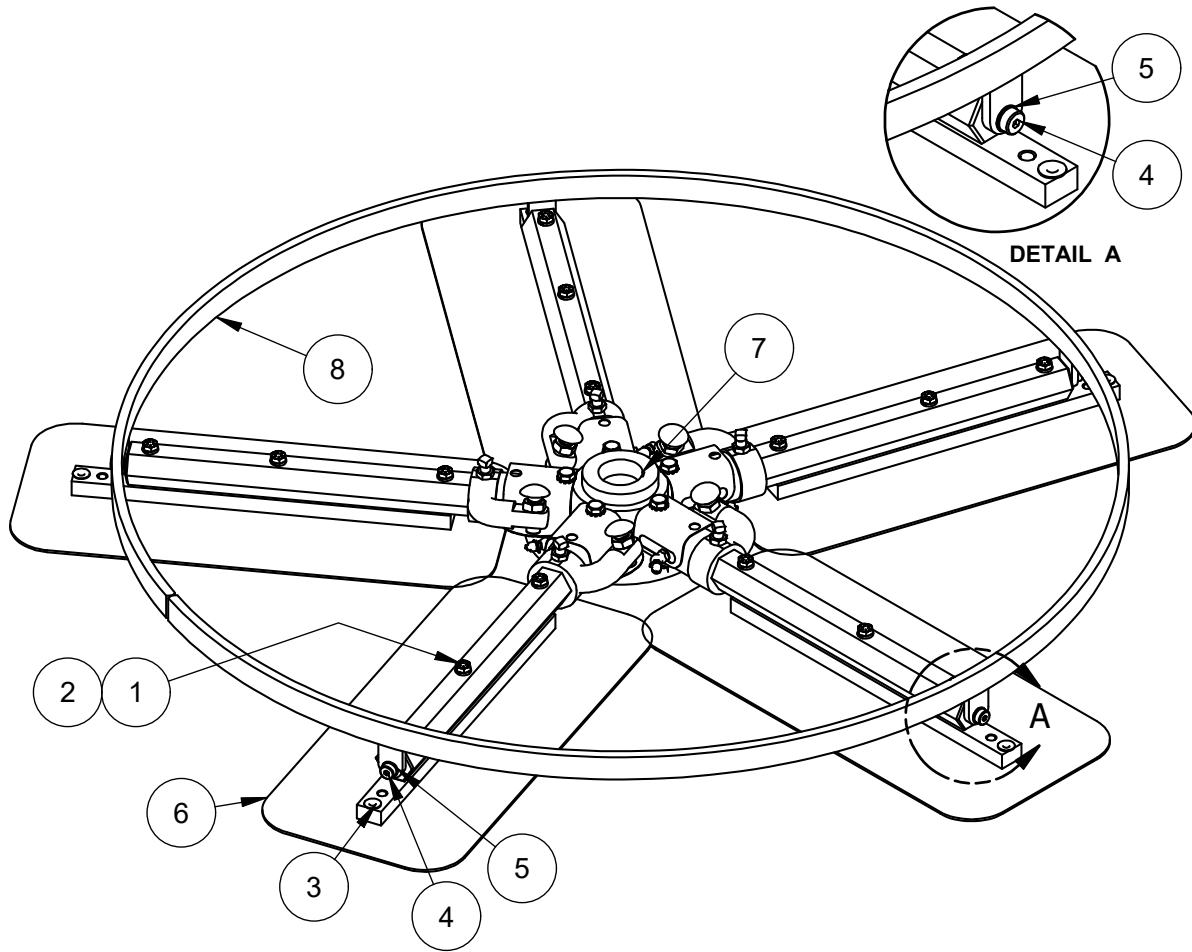
ITEM	PART #	DESCRIPTION	QTY
-	-	OIL, GEARBOX KLUBER GH-460	2.84 L
1	010040	FASTENER, HHCS 3/8"-16 X 2"	8
2	010091	FASTENER, LOCK WASHER 3/8"	24
3	012869	FASTENER, SHSS 1/4"-20 X 3/8"	1
4	012953	PLUG, 3/4" NPT	2
5	013484	FASTENER, SCREW #10-24 X 1/2"	3
6	013740	FASTENER, STAR WASHER #10	3
7	015672	GAUGE, 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 THREAD	1
39	056870	WELDMENT, BRACKET GEARBOX MOUNT RH	1

NOTES:

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

SECTION 1 PARTS

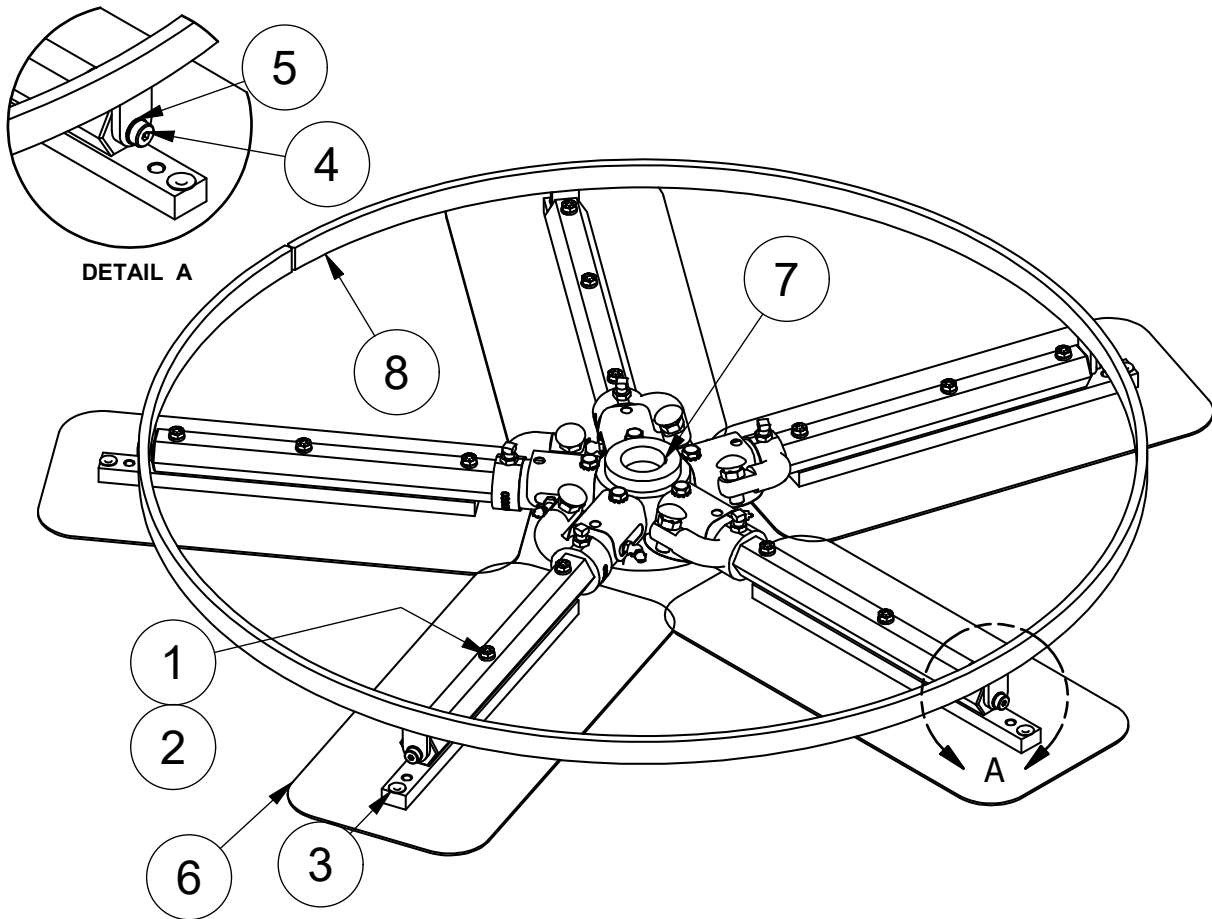
LH Lower Spider Assembly (079266)



ITEM	PART NO.	DESCRIPTION	QTY
1	010024	FASTENER, HHCS 5/16-18 X 2	15
2	010090	FASTENER, LW 5/16	15
3	015694	PLUG, PLASTIC TAPERED	5
4	025091	FASTENER, 3/8 SHOULDER BOLT X 1/2 LONG	5
5	025092	BUSHING, 3/8 X 1/2 X 5/16 BRONZE	5
6	028778V	BLADE, 8 X 18 FLAT FINISH GOLD	5
7	040794	ASSEMBLY, SPIDER 1200-5-SHD LH SOM	1
8	040833	RING, STABILIZING 5 BLADE	1

RH Lower Spider Assembly (079267)

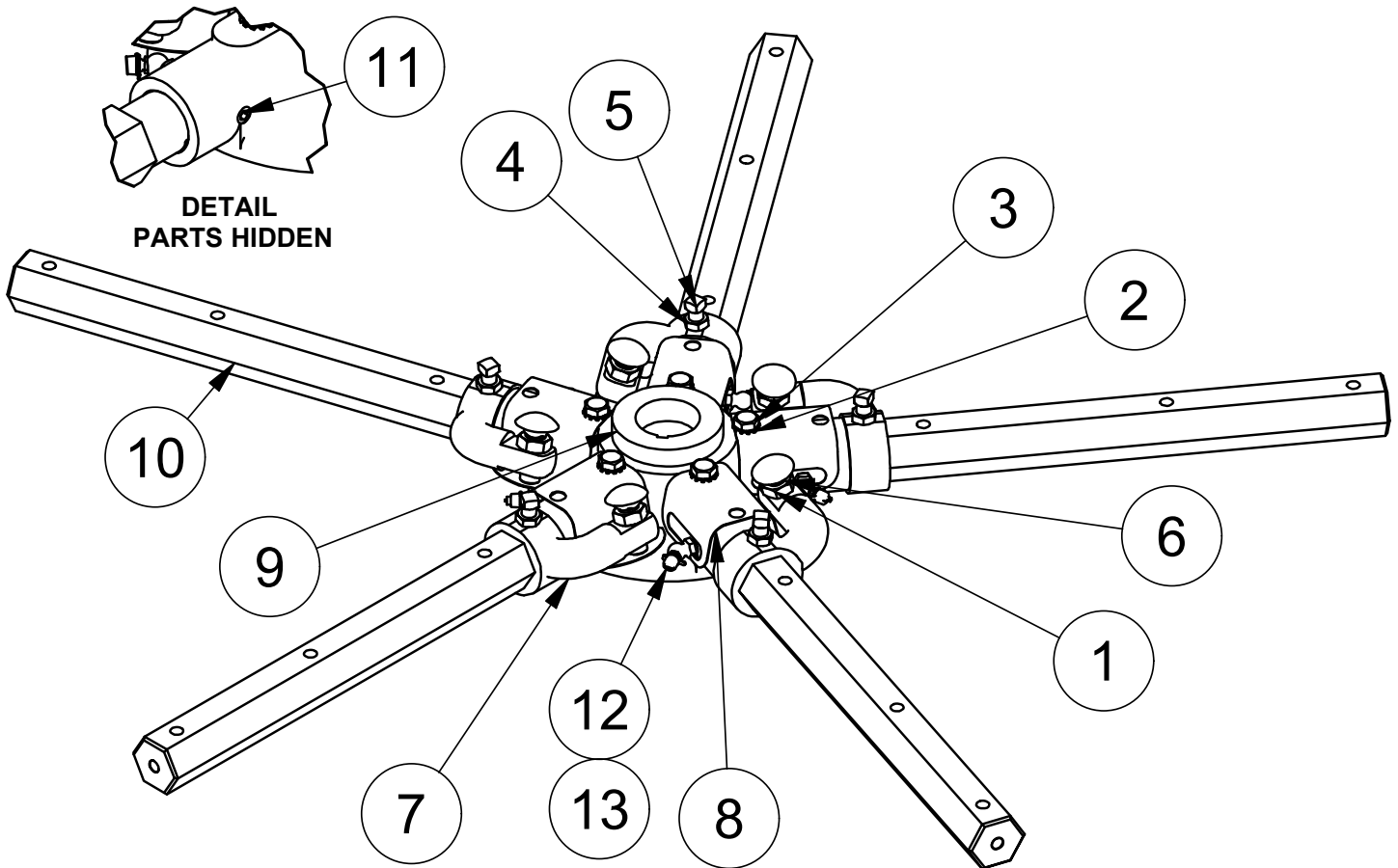
SECTION 1 PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	010024	FASTENER, HHCS 5/16-18 X 2	15
2	010090	FASTENER, LW 5/16	15
3	015694	PLUG, PLASTIC TAPERED	5
4	025091	FASTENER, 3/8 SHOULDER BOLT X 1/2 LONG	5
5	025092	BUSHING, 3/8 X 1/2 X 5/16 BRONZE	5
6	028778V	BLADE, 8 X 18 FLAT FINISH GOLD	5
7	040795	ASSEMBLY, SPIDER 1200-5-SHD RH SOM	1
8	040833	RING, STABILIZING 5 BL	1

SECTION 1 PARTS

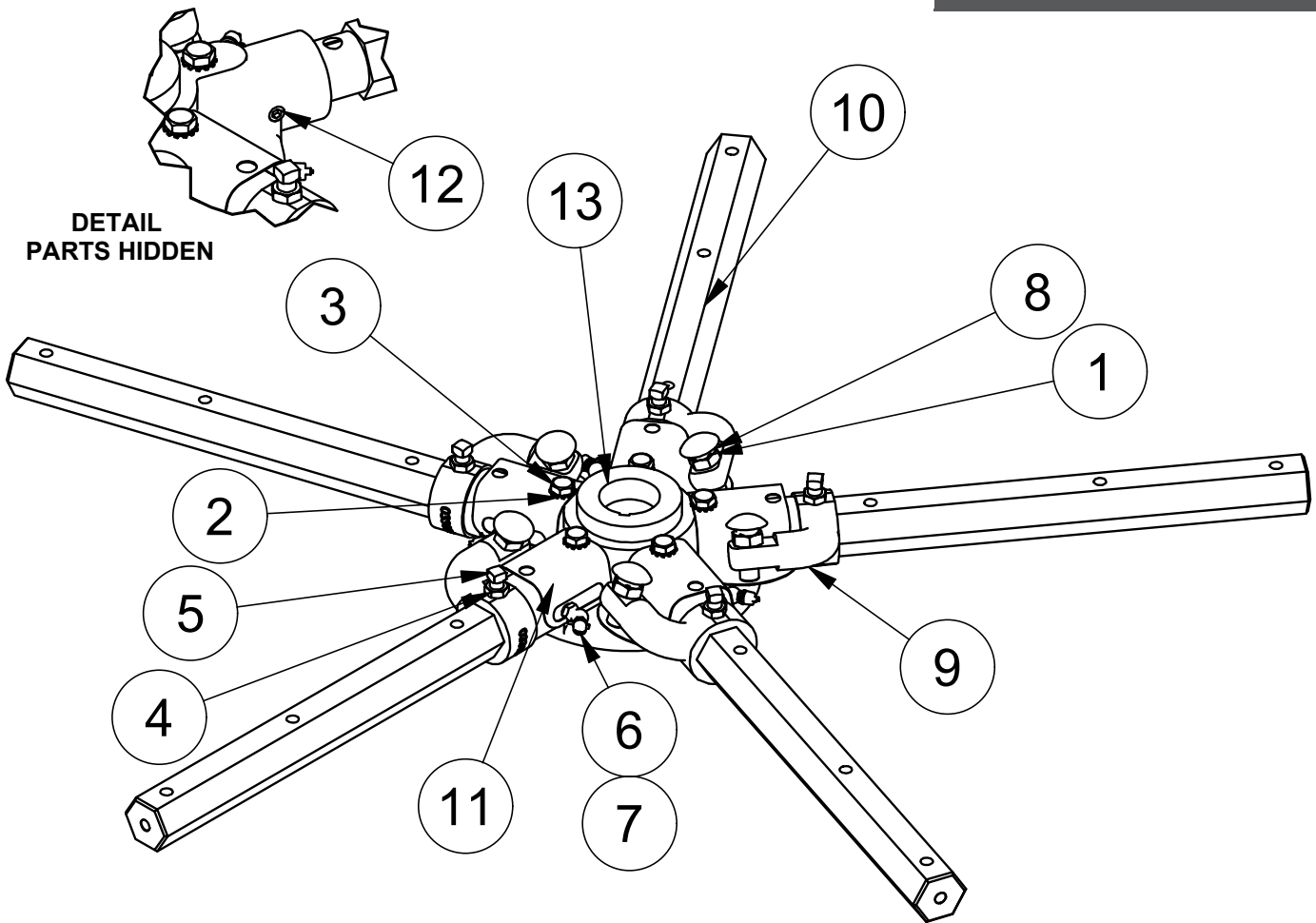
LH Spider Boss Assembly (040794)



ITEM	PART NO.	DESCRIPTION	QTY
1	010050	FASTENER, HEX JAM NUT 1/2-13	5
2	015682	FASTENER, LW 3/8 EXT TOOTH LOCK	5
3	015683	FASTENER, HHCS 3/8-16 X 7/8 DOG PT	5
4	015684	FASTENER, HEX JAM NUT 3/8-16	5
5	015686	FASTENER, SQHSS 3/8-16 X 1	5
6	028216	FASTENER, CARRIAGE BOLT 1/2-13 X 1 1/2	5
7	033034	LEVER, LIFT SD UNIVERSAL	5
8	040792	CLIP, 46-48" UNIV SPIDER SPRING	5
9	064220	SPIDER, 5 BOSS UNIVERSAL	1
10	040700	ARM, FOR 5 BOSS SPIDER TROWEL	5
11	050963	PLUG, 1/8 NPT HEX SOCKET	5
12	015692	CAP, Ø1/4 RED GREASE	5
13	024755	FITTING, 1/8-27 NPT 45° GREASE	5

RH Spider Boss Assembly (040795)

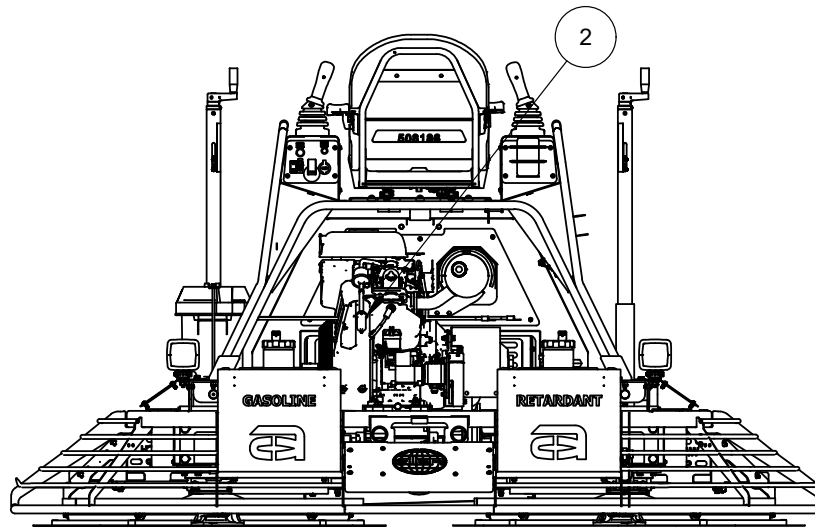
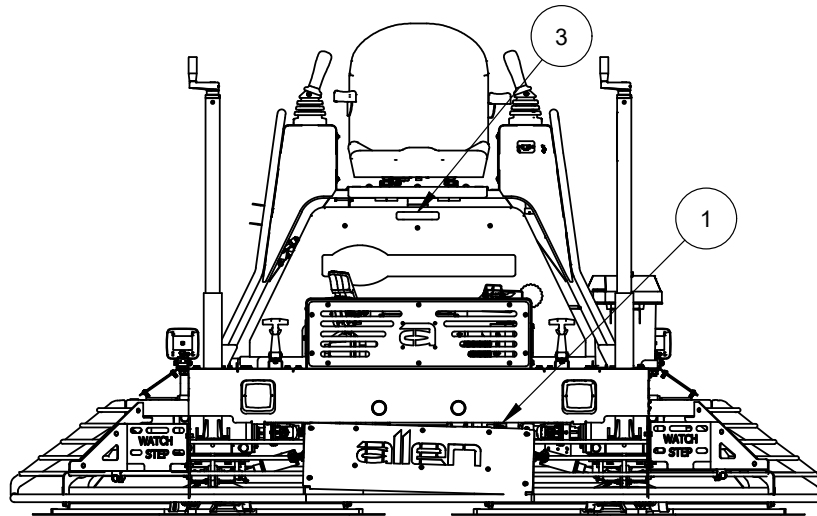
SECTION 1 PARTS



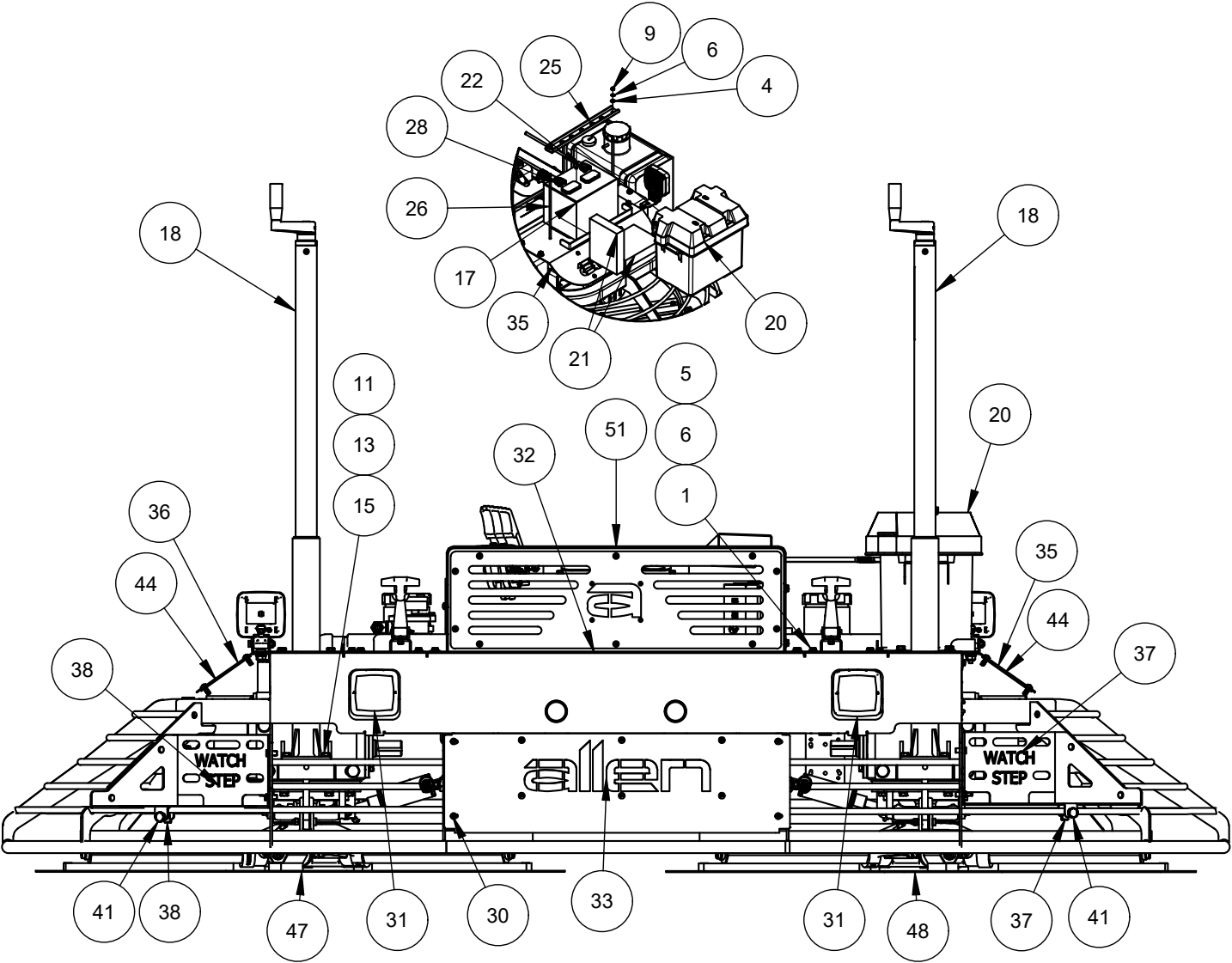
ITEM	PART NO.	DESCRIPTION	QTY
1	010050	FASTENER, NUT HEX JAM 1/2-13	5
2	015682	FASTENER, LW 3/8 EXT TOOTH LOCK	5
3	015683	FASTENER, HHCS 3/8-16 X 7/8 DOG PT	5
4	015684	FASTENER, JAM HEX NUT 3/8-16	5
5	015686	FASTENER, SQHSS 3/8-16 X 1	5
6	015692	CAP, Ø1/4 RED GREASE	5
7	024755	FITTING, 1/8-27 NPT 45° GREASE	5
8	028216	FASTENER, CARRIAGE BOLT 1/2-13 X 1 1/2	5
9	033034	LEVER, LIFT SD UNIVERSAL	5
10	040700	ARM, FOR 5 BOSS SPIDER TROWEL	5
11	040792	CLIP, 46-48" UNIV SPIDER SPRING	5
12	050963	PLUG, 1/8 NPT HEX SOCKET	5
13	064220	SPIDER, 5 BOSS UNIVERSAL	1

SECTION 1 PARTS

General Arrangement, MSP455 w/ Vanguard Engine (075825)

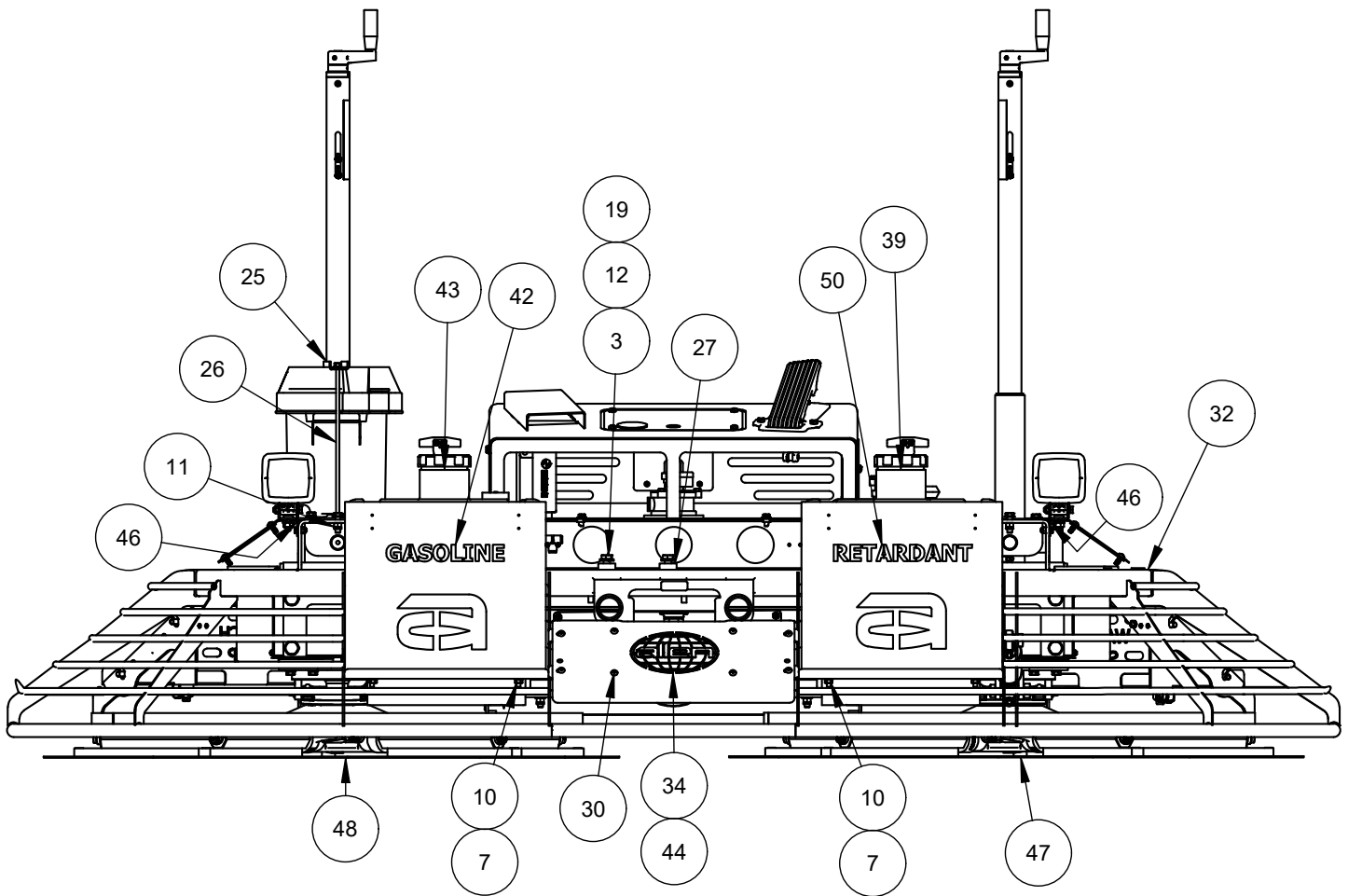


ITEM	PART NO.	DESCRIPTION	QTY
1	075816	ASSEMBLY, MAIN FRAME FOR MSP455 W/ VANGUARD EFI ENGINE	1
2	075826	ASSEMBLY, POWER UNIT FOR MSP455 W/ VANGUARD EFI ENGINE	1
3	077899	ASSEMBLY, SEAT FRAME FOR MSP455 W/ VANGUARD EFI ENGINE	1
-	074091	KIT, DECAL MSP455	1
-	074139	KIT, SPRAY AND LUBRICATION	1
-	075956	KIT, HYDRAULIC PARENT MSP455	1
-	076198	HARNESS, ELECTRICAL MSP455 VANGUARD	1



SECTION 1 PARTS

Main Frame Assembly MSP455 w/ Vanguard Engine (075816) Continued



SECTION 1

PARTS



SECTION 1 PARTS

Main Frame Assembly MSP455 w/ Vanguard Engine (075816) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	25
2	010019	FASTENER, HHCS 5/16-18 X 3/4	9
3	010073	FASTENER, HHCS 1/2-13 X 2-1/2	4
4	010081	FASTENER, FW 1/4	5
5	010082	FASTENER, FW 5/16	22
6	010089	FASTENER, LW 1/4	22
7	010090	FASTENER, LW 5/16	9
8	010091	FASTENER, LW 3/8	10
9	010098	FASTENER, HEX NUT 1/4-20	2
10	010100	FASTENER, HEX NUT 5/16-18	4
11	010464	FASTENER, HEX NUT NYLOCK 3/8-16	14
12	011490	FASTENER, FW 1/2	4
13	017751	FASTENER, FW 3/8	25
14	020604	CLIP, SAE 14-0.406 INSULATED LOOP	3
15	032875	FASTENER, HHCS 3/8-16 X 1-1/4	6
16	033735	PUMP, SPRAY SYSTEM	1
17	037771	BATTERY, 12 V GRAY 500CCA	1
18	038174	ASSEMBLY, PITCH CONTROL	2
19	040208	FASTENER, HEX NUT 1/2-13 STOVER	1
20	046696	BOX, STANDARD BATTERY	1
21	047294	PAD, 7-7/16 X 5-11/16 X 1-1/2 BARRIER	2
22	047730	CABLE, BATTERY 4 AWG 32" LONG POSITIVE	1
23	048559	BEARING BLOCK, FOR CROSSHEAD	4
24	048560	BEARING, Ø1 ID PLASTIC FLANGE	4
25	048563	CHANNEL, BATTERY HOLD-DOWN	1
26	048589	ROD ALL THREAD, 1/4-20 BATTERY HOLD DOWN	2
27	048901	MOUNT, ISOLATOR 250LB	4
28	048976	CABLE, BATTERY 35" LONG NEGATIVE	1
29	066255	MANUAL TUBE	1
30	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	26
31	069835	LIGHT, LED 1200 LUMENS 12 VDC (1.3 AMP)	4
32	071035	WELDMENT, MAIN FRAME MSP455	1
33	071056	COVER FRONT CENTER FOR MSP455/445	1
34	071089	COVER REAR CENTER FOR MSP455/445	1
35	071090	WELDMENT, LH COVER AND BATTERY SUPPORT MSP455	1
36	071094	COVER, RH CROSSHEAD MSP455	1
37	071099	STEP, LH FOR MSP455	1

Main Frame Assembly MSP455 w/ Vanguard Engine (075816) Parts List Continued

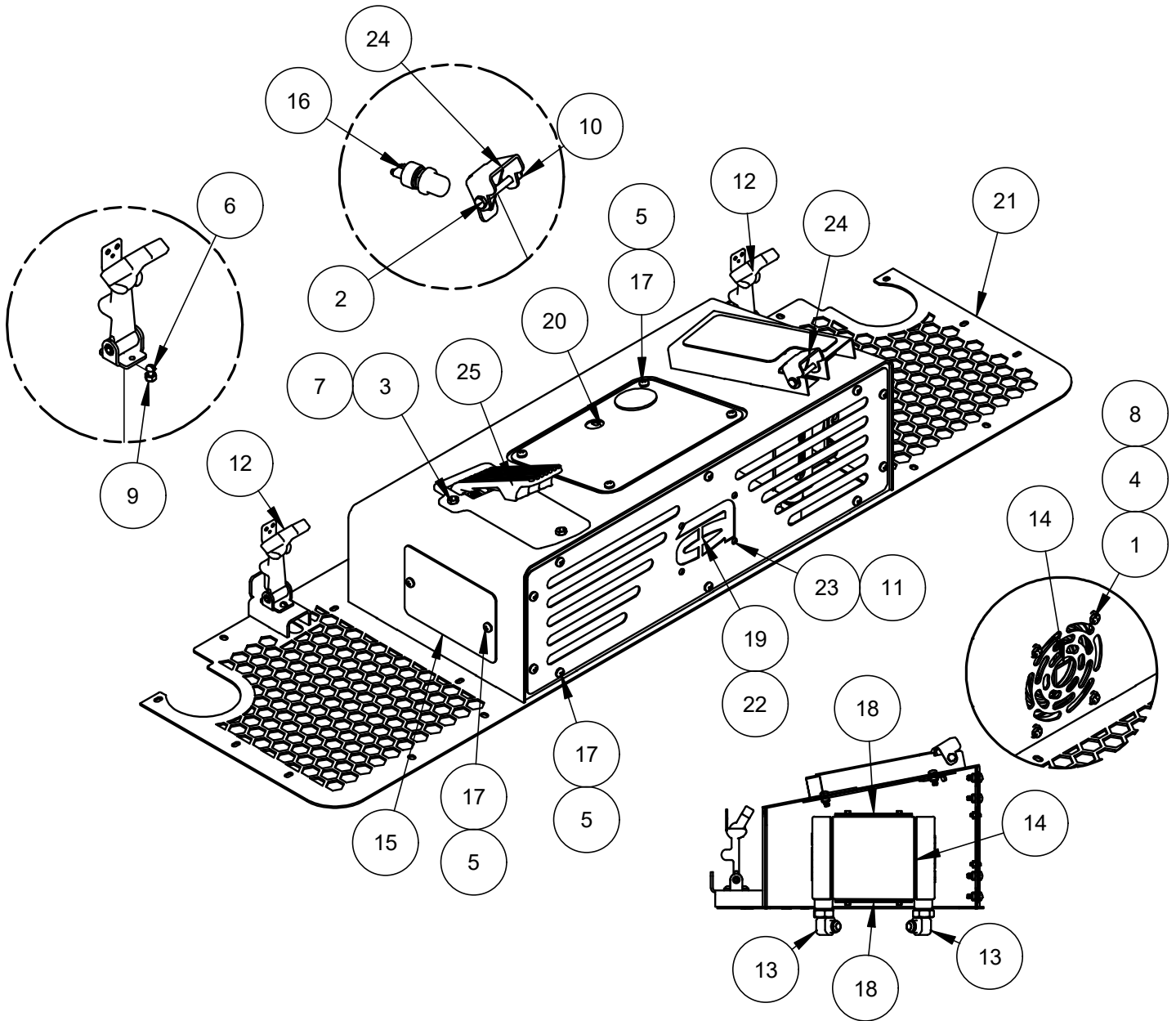
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
38	071103	STEP, RH FOR MSP455	1
39	071536	TANK, 7 GALLON RETARDANT ASSEMBLY	1
40	071599	FITTING, ONE TOUCH TEE 3/8" HOSE CONNECTION	1
41	071606	FASTENER, THUMB SCREW 1/4-20 X 1 3/4	2
42	072737	GUARD, GASOLINE TANK FOR 7 GALLON TANKS	1
43	072854	FUEL TANK, ASSEMBLY 7 GALLON CAPACITY	1
44	072856	PLATE, BACKER FOR EMBLEM PLATE RIDERS	3
45	073276	ASSEMBLY, HYDRAULIC TANK FOR MSP455	1
46	073392	BRACKET, REAR LIGHT FOR MSP445/455	2
47	073525	ASSEMBLY, RH ROTOR	1
48	073526	ASSEMBLY, LH ROTOR	1
49	074068	FASTENER, HHCS 3/8-16 X 1	8
50	075422	GUARD, RETARDANT TANK FOR 7 GALLON TANKS	1
51	077720	ASSEMBLY, UPPER DECK FOR 455 VANGUARD	1
52	079096	PAN, SPLASH GUARD	1

SECTION 1 PARTS

Front Deck Assembly (077720) (OLD), MSP455 w/ Vanguard Engine

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



Front Deck Assembly (077720) (OLD) Parts List

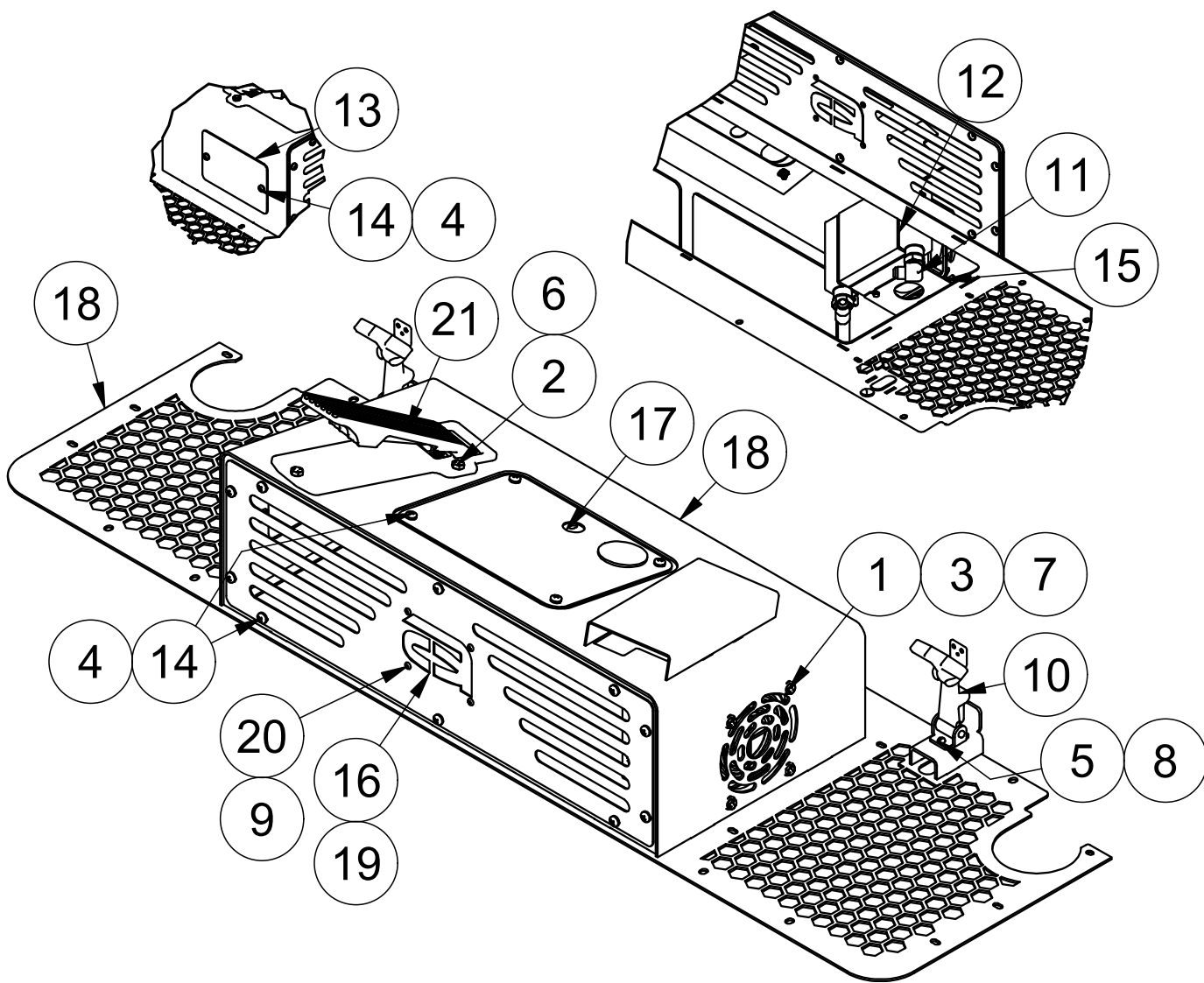
SECTION 1 PARTS

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, FW 1/4	4
5	010089	FASTENER, LW 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 10-32 NYLOCK	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	2
19	071074	COVER FRONT, DECK	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 L Foot pedal changed from 076973 to 081377

SECTION 1 PARTS

Front Deck Assembly (077720), MSP455 w/ Vanguard Engine



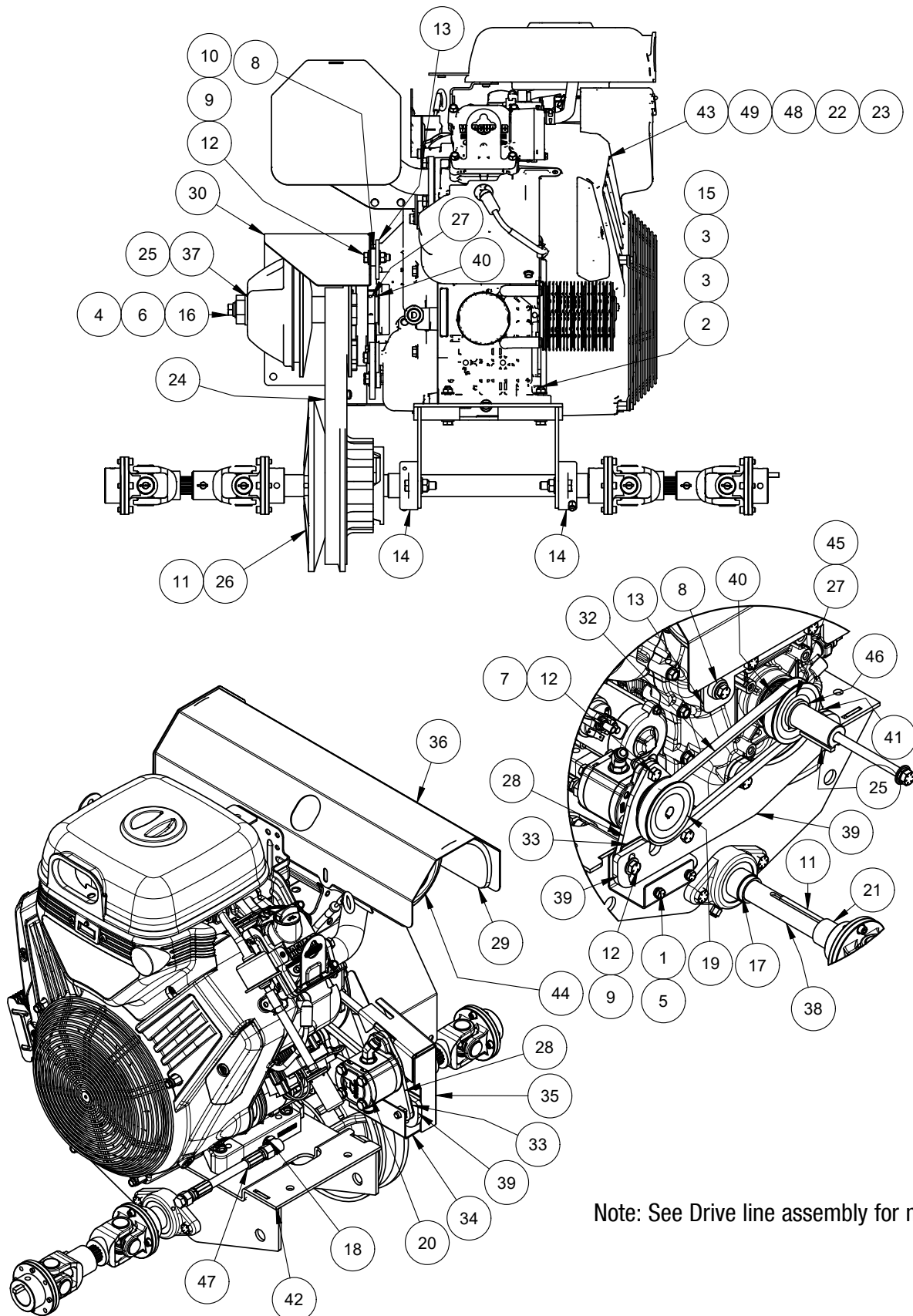
Front Deck Assembly (077720) Parts List

SECTION 1 PARTS

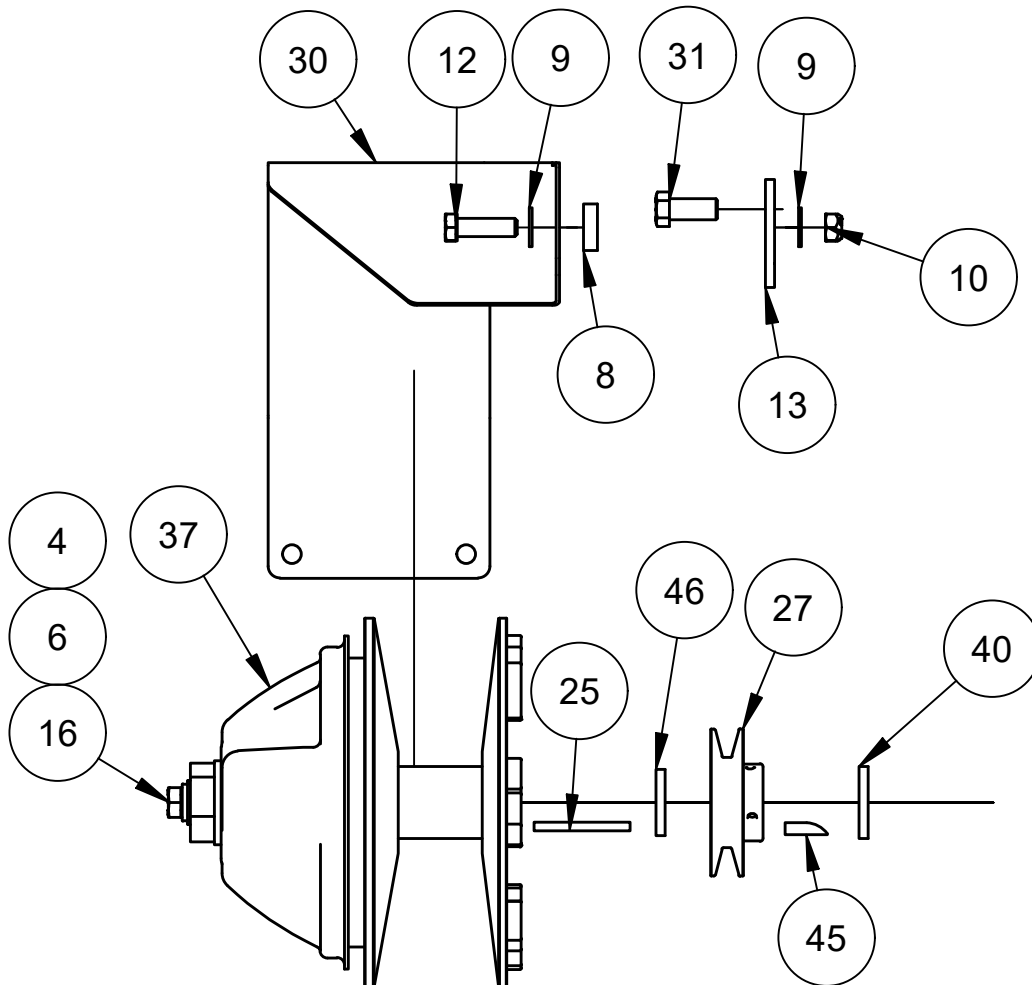
ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4"-20 X 1/2"	4
2	010019	FASTENER, HHCS 5/16-18 X 3/4	3
3	010081	FASTENER, FLAT WASHER 1/4"	4
4	010089	FASTENER, LOCK WASHER 1/4"	16
5	010568	FASTENER, SCREW, 10-32 X 1/2"	4
6	012612	FASTENER, HEX NUT NYLOCK 5/16-18	3
7	020542	FASTENER, HEX NUT STOVER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

SECTION 1 PARTS

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



Note: See Drive line assembly for more details.



***NOTE:** Due to manufacturing tolerance an additional spacer may be required after the hydraulic belt pulley (056775). Before ordering check to see if there is an additional spacer (067409), additionally if there is excessive contact or wear on the belt from contact with the CVT body add the 067409 spacer along side the 076197 spacer..

SECTION 1 PARTS

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

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	2
2	010024	FASTENER, HHCS 5/16-18 X 2	4
3	010082	FASTENER, FW 5/16	8
4	010084	FASTENER, FW 7/16	1
5	010089	FASTENER, LW 1/4	20
6	010092	FASTENER, LW 7/16	3
7	010464	FASTENER, HEX NUT NYLOCK 3/8-16	2
8	015713	BUSHING, NITRILE	2
9	017751	FASTENER, FW 3/8	5
10	020514	FASTENER, HEX NUT STOVER 3/8-16	2
11	026992	KEY, 1/4 X 3 1/8 LONG	1
12	032875	FASTENER, HHCS 3/8-16 X 1-1/4	12
13	033661	PLATE, BELT GUARD BRACKET	1
14	039136	BEARING, 1" FLANGED 2 BOLT ECCENTRIC COLLAR	2
15	040004	FASTENER, HEX NUT 5/16-18 STOVER	4
16	042280	FASTENER, 7/16-20 X 4-1/2	1
17	042466	SPACER, 1 X 1/4	1
18	042821	FITTING, STRAIGHT JIC X 3/8 NPT	1
19	046550	PULLEY, 1/2 BORE	1
20	046738	PUMP, HYDRAULIC	1
21	048908	SPACER, 1-1/8 LG DRIVEN PULLEY POSITION	1
22	049190	FILTER, AIR PRE-CLEANER FOR VANGUARD ENG	1
23	049191	FILTER, AIR PRIMARY FOR VANGUARD ENG	1
24	051332	BELT, CVT	1
25	053210	KEY, 3/16 X 1/4 X 2	1
26	053389	DRIVEN PULLEY	1
27	056775	PULLEY, 1-1/8 BORE	1
28	056912	WELDMENT, HYD PUMP MOUNT PLATE	1
29	056938	HEAT WRAP, 14 X 20	1
30	065435	CVT COVER	1
31	065694	FASTENER, HHCS 7/16-14 X 1	2
32	070520	V-BELT, FOR HYD PUMP	1
33	071535	PLATE, SPACER FOR POWER STEER PUMP	1
34	071586	BRACKET, FOR PULLEY COVER MSP455 ENGINE ASSEMBLY	1
35	071588	COVER F/ AUX PUMP	1
36	072755	MUFFLER GUARD, FOR MSP445/455 EFI	1

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

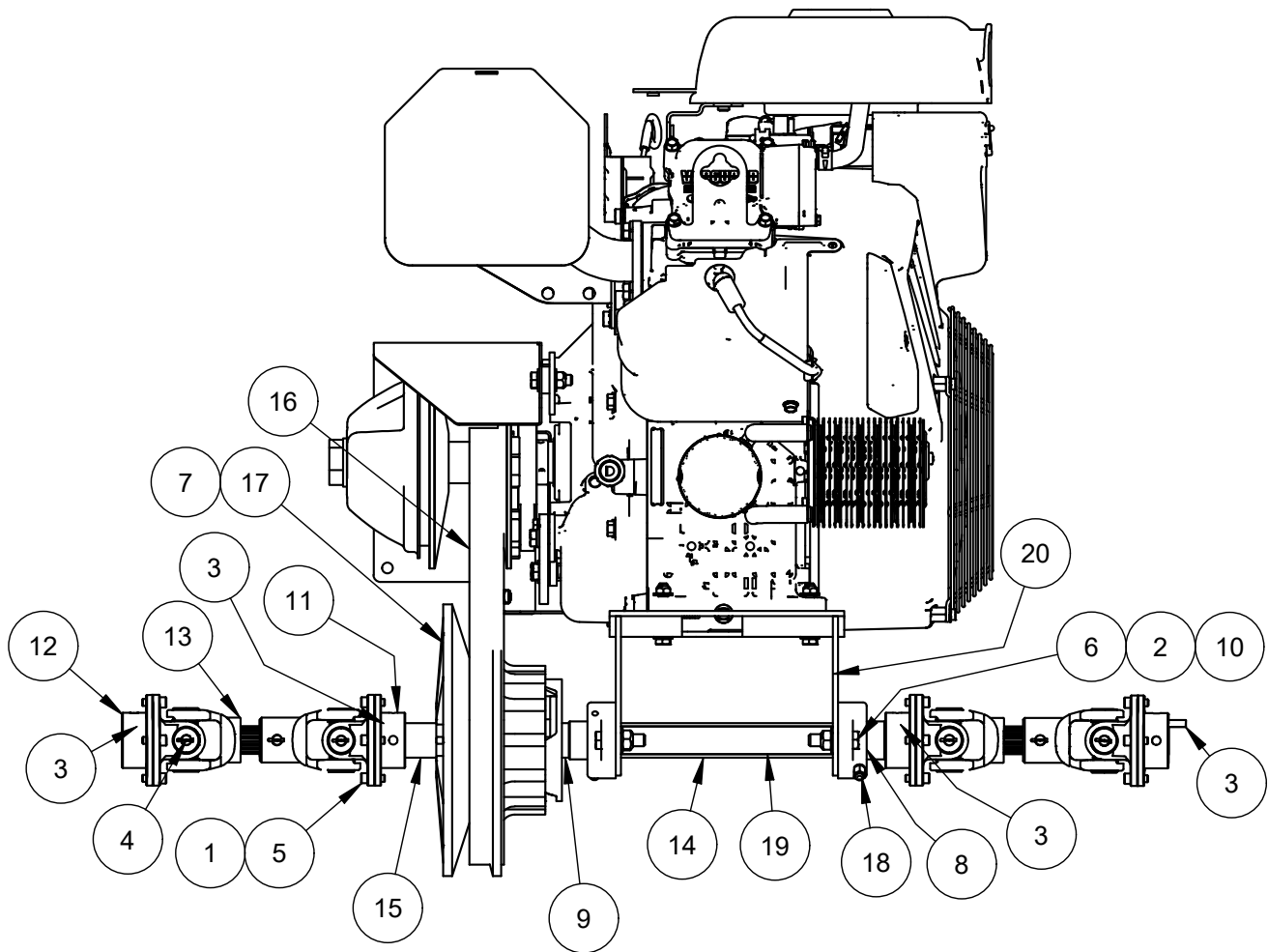
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
37	073310	CVT, DRIVER	1
38	075219	SHAFT, DRIVE	1
39	075823	ENGINE CONNECTING PLATE VANGUARD	1
40	075827	SPACER, INNER F/ PULLEY MSP455 VANGUARD	1
41	075828	SPACER, PUMP MOUNT FOR MSP455 VANGUARD	1
42	075835	WELDMENT, ENGINE PLATE MSP445/455VANGUARD	1
43	076033	ENGINE, VANGUARD EFI 40 HP WITH 20/50 ALTERNATOR	1
44	076039	MUFFLER, FOR VANGUARD 40 HP EFI	1
-	082476	GASKET, FOR EXHAUST FLANGE	2
-	082477	FASTENER, SCREW FOR EXHAUST FLANGE	4
-	082478	FASTENER, SCREW FOR EXHAUST MOUNT	2
45	076183	KEY, 1/4 X 7/8" WITH RADIUS FOR VANGUARD MSP455	1
46	*076197	SPACER F/ CVT	1
47	077797	HOSE, DRAIN F/ VANGUARD	1
48	081770	FILTER, OIL FOR VANGUARD ENG	1
49	081771	FILTER, FUEL FOR VANGUARD ENG	1

***NOTE:** Due to manufacturing tolerance an additional spacer may be required after the hydraulic belt pulley (056775). Before ordering check to see if there is an additional spacer (067409), additionally if there is excessive contact or wear on the belt from contact with the CVT body add the 067409 spacer along side the 076197 spacer..

SECTION 1 PARTS

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



Note: Item 14 made transparent for clarity

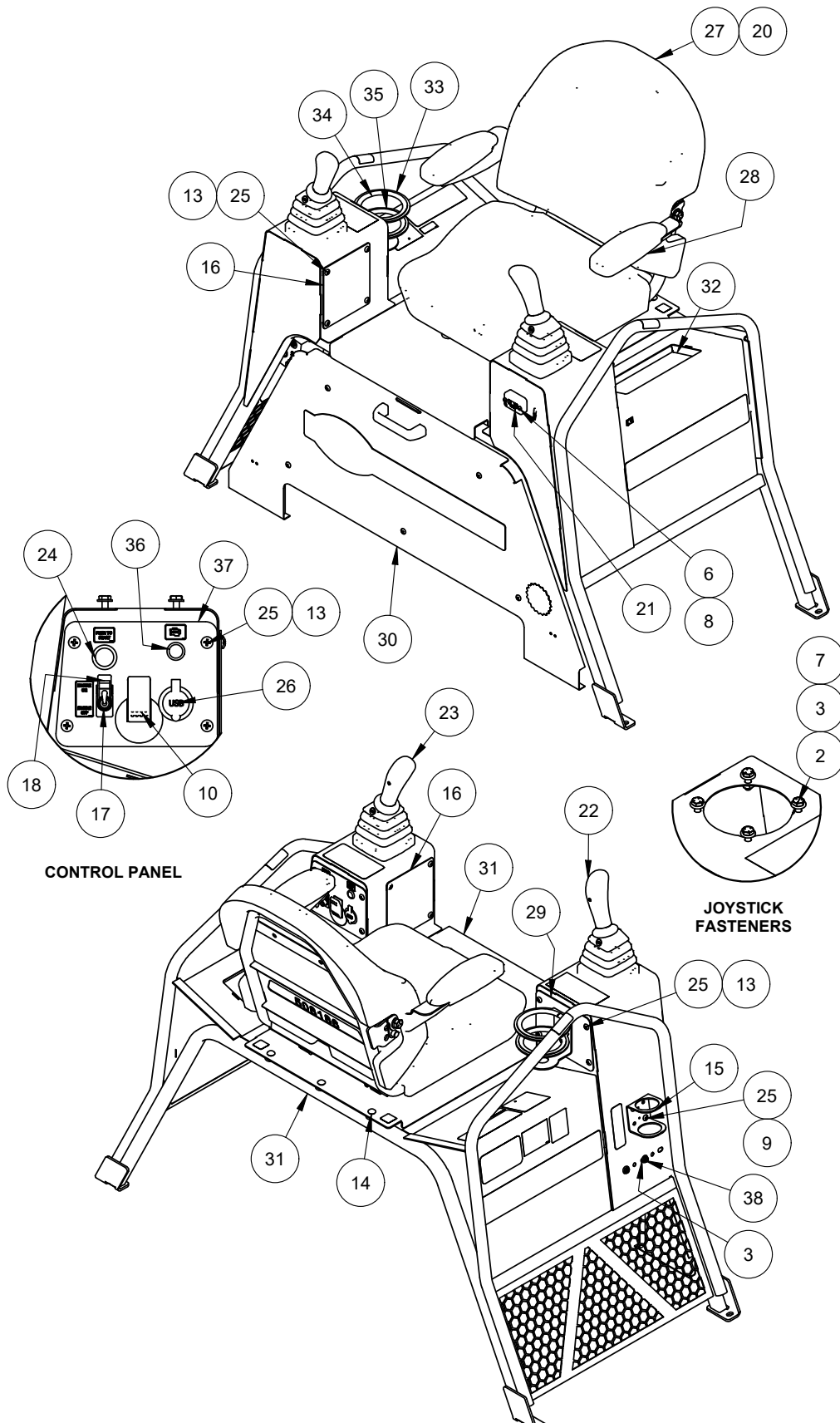
Drive line Assembly, MSP455 w/ Vanguard Engine (075826) Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010089	FASTENER, LW 1/4	20
2	010096	FASTENER, FW 7/16	4
3	011791	KEY, 1/4 SQ X 1	4
4	015692	CAP, Ø1/4 RED GREASE	6
5	017314	FASTENER, SHCS 1/4-20 X 5/8	16
6	017898	FASTENER, HHCS 7/16-20 X 1-1/2	4
7	026992	KEY, 1/4 X 3 1/8" LONG	1
8	039136	BEARING, 1" FLANGED 2 BOLT ECCENTRIC COLLAR	2
9	042466	SPACER, 1 X 1/4	1
10	047477	FASTENER, HEX NUT 7/16-20 STOVER	4
11	047635	HUB, Ø1 BORE U-JOINT CENTER SHAFT	2
12	047636	HUB, Ø1.25 BORE GEARBOX SHAFT	2
13	047637	ASSEMBLY, U-JOINT TELESCOPING	2
14	048810	SPACER, FOR BEARING	1
15	048908	SPACER, 1-1/8 LG DRIVEN PULLEY POSITION	1
16	051332	BELT, CVT	1
17	053389	PULLEY, DRIVEN	1
18	073817	FITTING, STRAIGHT PUSH-IN FOR 4MM TUBING 1/8 NPT	2
19	075219	SHAFT, DRIVE	1
20	075835	WELDMENT, ENGINE PLATE MSP445/455 VANGUARD	1

SECTION 1 PARTS

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



Seat Frame Assembly, (077899) Parts List

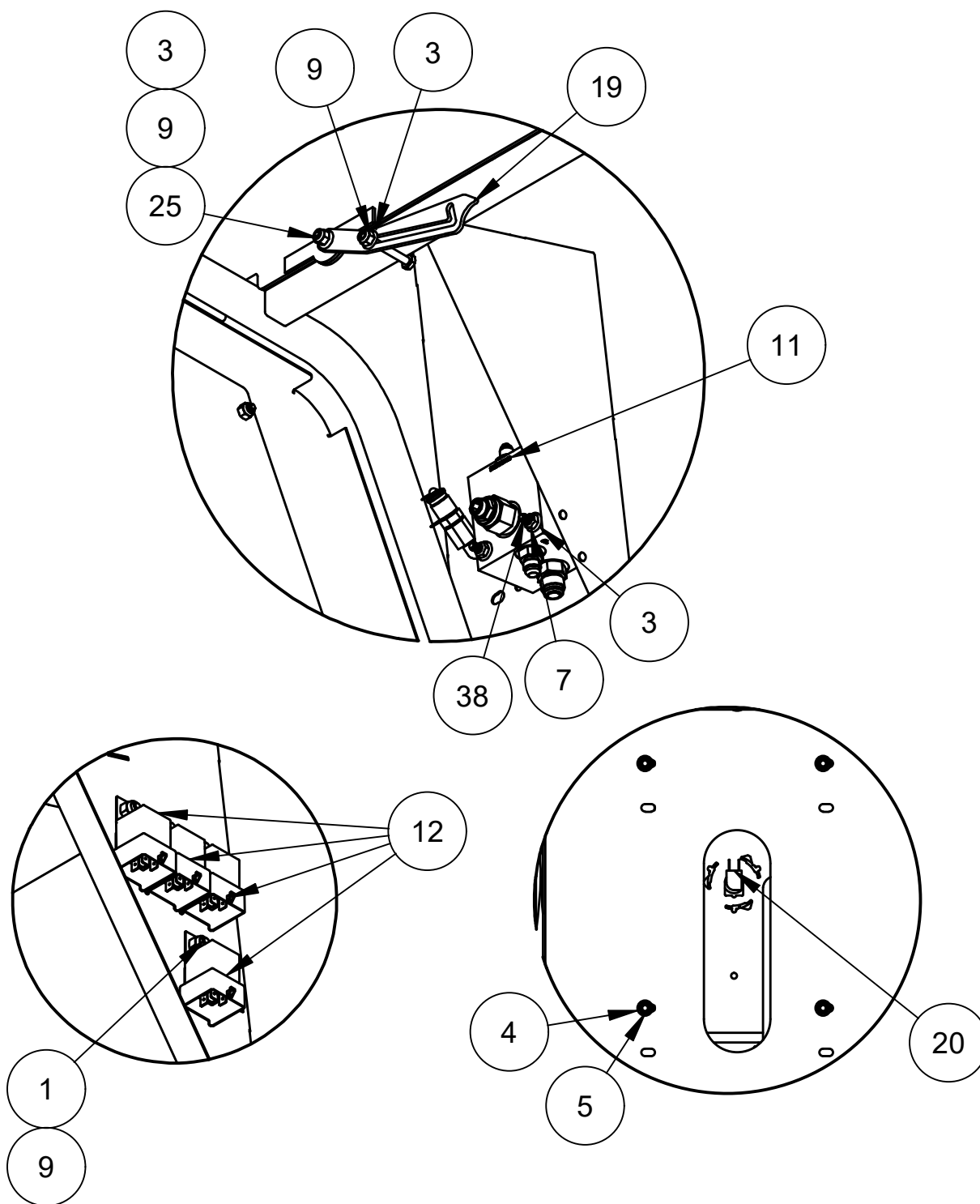
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	4
2	010081	FASTENER, FW 1/4	10
3	010082	FASTENER, FW 5/16	8
4	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
5	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	10
6	032125	SWITCH, ROCKER	1
7	047052	RELAY, 12 V 30/50 A W/ SHROUD	4
8	047546	FASTENER, PAL NUT 1/4-20	16
9	047665	BUMPER, RUBBER	3
10	049632	TOOL HOLDER BRKT	1
11	050049	ACCESS PANEL	2
12	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
13	050604	COVER, TOGGLE SWITCH	1
14	053211	SEAT PROP	1
15	064386	METER, TACH/HOUR INDUCTIVE F/ EFI	1
16	064817	JOYSTICK, RH DUAL AXIS	1
17	064818	JOYSTICK, LH SINGLE AXIS	1
18	068956	SWITCH, MOMENTARY	1
19	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	21
20	069850	USB RECEPTACLE 12VDC	1
21	069874	SEAT, RIDER	1
22	069875	ARM REST, RIDER SEAT (RH/LH SET)	1
23	070479	COVER, RH INSIDE FOR SEAT FRAME	1
24	061374	SWITCH, FOR 069874 SEAT - NORMALLY OPEN	1
25	071066	ASSEMBLY, FRONT SCREEN	1
26	071076	WELDMENT, SEAT FRAME MSP455	1
27	071106	RUBBER, CELL HOLDER TRAY	1
28	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
29	*071123	RUBBER TRIM CUT 12.500" USE 071122	1
30	*071124	RUBBER TRIM CUT 10.500" USE 071122	1
31	073948	LIGHT, RED LED FLUSH PANEL MNT. SNAP-IN FOR 5/8" HOLE	1
32	077897	PANEL, ENGINE CONTROL MSP455 W/ VANGUARD	1
33	010002	FASTENER, HHCS 1/4-20 X 3/4	8
34	020542	FASTENER, HEX NUT STOVER 1/4-20	8
35	046735	MANIFOLD FOR STEERING	1
36	010030	FASTENER, SHCS 5/16-18 X 3	2
37	040004	FASTENER, HEX NUT 5/16-18 STOVER	2
38	016382	FASTENER, RHMS 10-32 X 1	2
39	029568	FASTENER, HEX NUT 10-32 NYLOCK	2

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

SECTION 1 PARTS

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



Seat Frame Assembly, (077899) Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	4
2	010002	FASTENER, HHCS 1/4-20 X 3/4	8
3	010081	FASTENER, FW 1/4	14
4	010082	FASTENER, FW 5/16	4
5	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
6	016382	FASTENER, RHMS 10-32 X 1	2
7	020542	FASTENER, HEX NUT STOVER 1/4-20	10
8	029568	FASTENER, HEX NUT 10-32 NYLOCK	2
9	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	10
10	032125	SWITCH, ROCKER	1
11	046735	MANIFOLD FOR STEERING	1
12	047052	RELAY, 12 V 30/50 A W/ SHROUD	4
13	047546	FASTENER, PAL NUT 1/4-20	16
14	047665	BUMPER, RUBBER	3
15	049632	TOOL HOLDER BRKT	1
16	050049	ACCESS PANEL	2
17	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
18	050604	COVER, TOGGLE SWITCH	1
19	053211	SEAT PROP	1
20	061374	SWITCH, FOR 069874 SEAT - NORMALLY OPEN	1
21	064386	METER, TACH/HOUR INDUCTIVE F/ EFI	1
22	064817	JOYSTICK, RH DUAL AXIS	1
23	064818	JOYSTICK, LH SINGLE AXIS	1
24	068956	SWITCH, MOMENTARY	1
25	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	21
26	069850	USB RECEPTACLE 12VDC	1
27	069874	SEAT, RIDER	1
28	069875	ARM REST, RIDER SEAT (RH/LH SET)	1
29	070479	COVER, RH INSIDE FOR SEAT FRAME	1
30	071066	ASSEMBLY, FRONT SCREEN	1
31	071076	WELDMENT, SEAT FRAME MSP455	1
32	071106	RUBBER, CELL HOLDER TRAY	1
33	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
34	*071123	RUBBER TRIM CUT 12.500" USE 071122	1.05FT
35	*071124	RUBBER TRIM CUT 10.500" USE 071122	0.875FT
36	073948	LIGHT, RED LED FLUSH PANEL MNT. SNAP-IN FOR 5/8" HOLE	1
37	077897	PANEL, ENGINE CONTROL MSP455 W/ VANGUARD	1
38	082010	FASTENER, HHCS 1/4-20 X 3-1/4	2

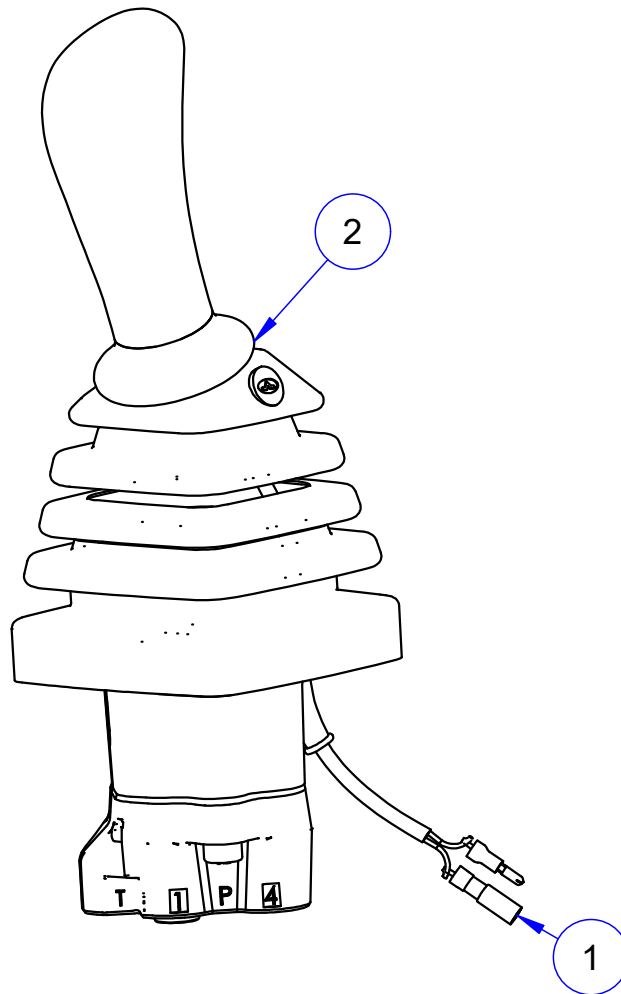
*Order using PN 071122 with the correct QTY in FT.

SECTION 1 PARTS

Joystick Spray Switch Assembly

Note: If the rider has the new style front deck and spray controls in the joystick reference the following illustrations and parts lists.

For hydraulic steer riders with joystick controlled spray: Connect the joystick male connector with a black wire to the female connector on the harness yellow and black wire. Connect the joystick female connector with a red wire to the male connector on the harness with the solid yellow wire.



ITEM	PART #	DESCRIPTION	QTY
-	082475	JOYSTICK, WITH CONNECTOR F/ SPRAY MSP	-
1	032266	RECEPTACLE, BULLET FEMALE 16-14 AWG	1
2	064818	JOYSTICK, LH	1

Note: Illustration for reference only

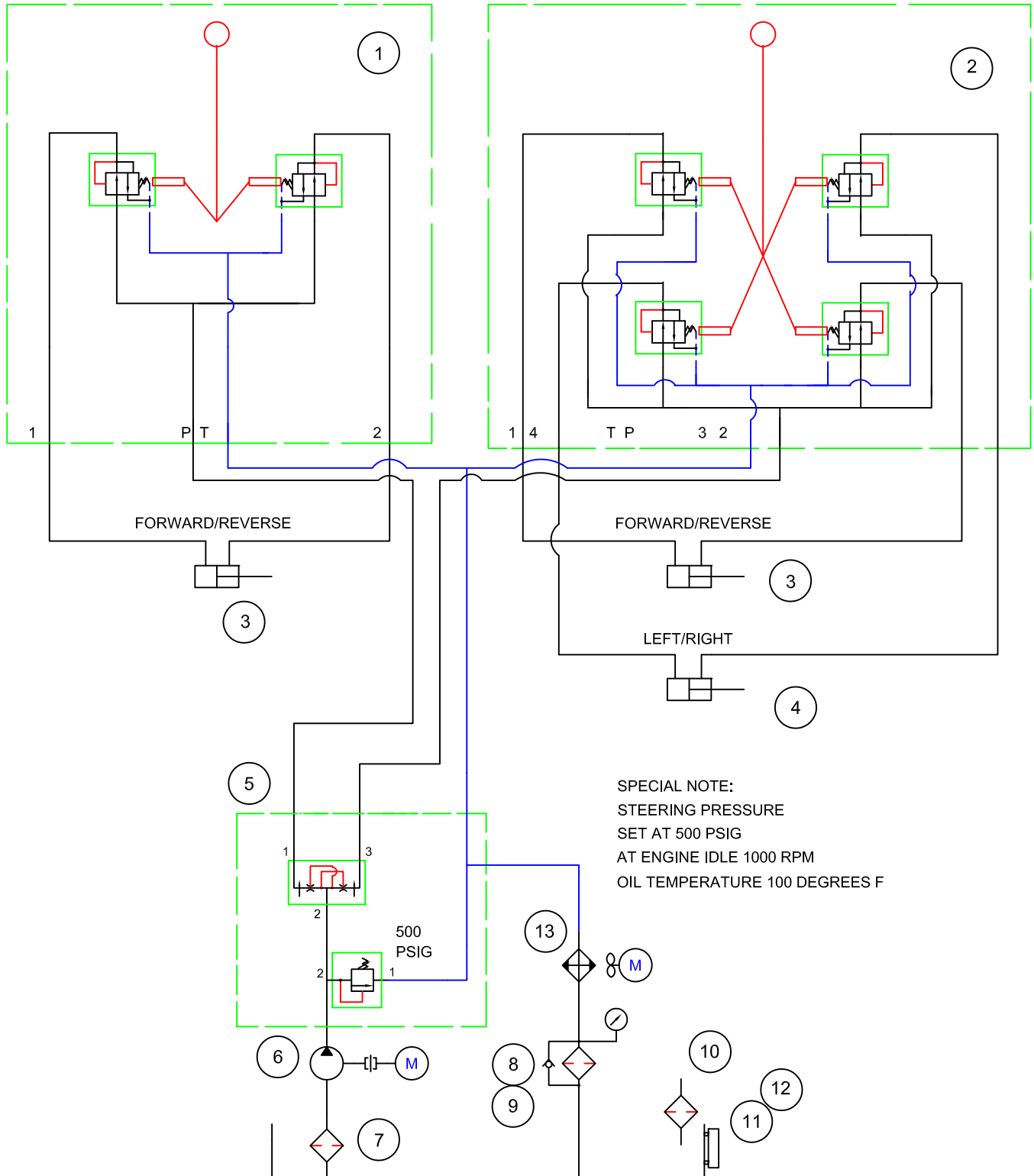
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SECTION 1 PARTS

Hydraulics Schematic

LEFT HAND JOYSTICK
STEERING CONTROL

RIGHT HAND JOYSTICK
STEERING CONTROL



Hydraulics Schematic Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	075956	KIT, HYDRAULIC PARENT 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

Hydraulics Hose Kit (075953)

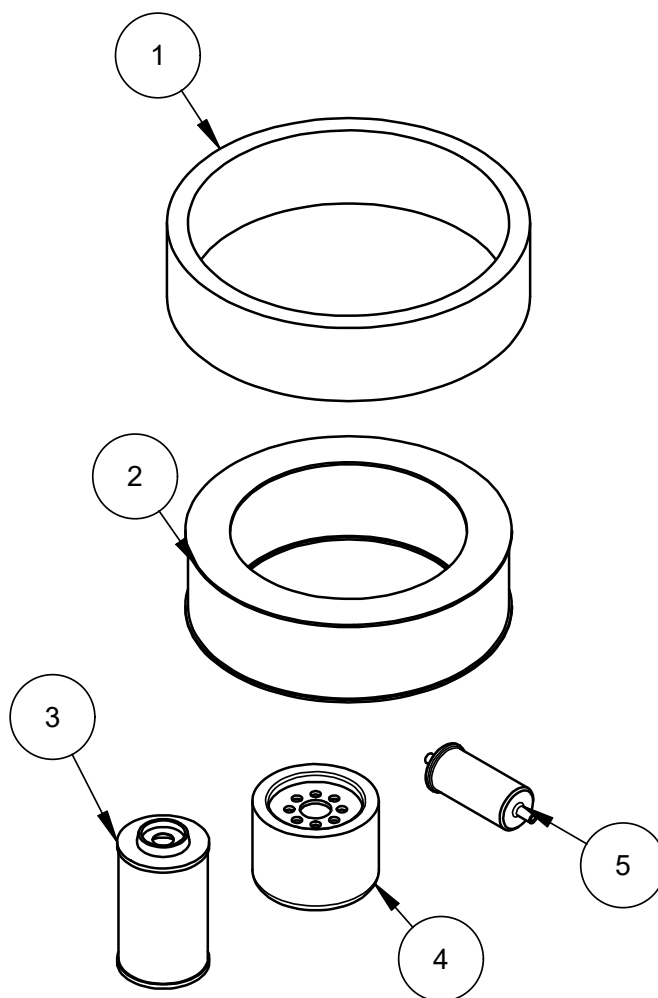
DESCRIPTION	HOSE #	QTY
TANK TO AUX PUMP 14" C.L.	HS-455X-1	1
STG. MAN TO BTM OF COOLER 44" C.L.	HS-455X-2	1
P PORT TO AUX. MAN. 28" C.L.	HS-455X-3	1
LH JOYSTICK TO T PORT 40" C.L.	HS-455X-4	1
RH JOYSTICK TO T1 PORT 17" C.L.	HS-455X-5	1
PORT B TO LH JOYSTICK 40" C.L.	HS-455X-6	1
PORT A TO RH JOYSTICK PORT P 8" C.L.	HS-455X-7	1
LH JOYSTICK TO PISTON SIDE OF CYLINDER 57" C.L.	HS-455X-8	1
LH JOYSTICK #2 PORT TO ROD SIDE CYLINDER 57" C.L.	HS-455X-9	1
RH JOYSTICK #3 PORT TO ROD SIDE CYLINDER 6.5" C.L.	HS-455X-10	1
RH JOYSTICK #1 PORT TO PISTON SIDE CYLINDER 50" C.L.	HS-455X-11	1
RH JOYSTICK #2 PORT TO ROD SIDE CYINDER 55" C.L.	HS-455X-12	1
LH JOYSTICK #4 PORT TO PISTON SIDE CYLINDER 55" C.L.	HS-455X-13	1
ENGINE DRAIN HOSE 4" C.L.	HS-455X-14	1
RETURN LINE FILTER TO TOP OF COOLER 48" C.L.	HS-455X-15	1

PART #	FITTING #	DESCRIPTION	QTY
HYDRAULIC TANK			
049058	F2501-08-08	FTG, 90DEG ELBOW ML JIC X NPT (3/4-16 X 1/2-14 THD)	2
045948	7574051	FTG, #12 MAGNETIC PLUG	1
GEAR PUMP			
045921	F6400-08-08-0	FTG, STR ML JIC X SAE (3/4-16 THD)	1
061001	F6802-06-06-NWO	FTG, 45DEG ELBOW ML JIC X SAE (9/16-18 THD)	1
MANIFOLD			
045915	F6400-06-06-0	FTG, STR ML JIC X SAE (9/16-18 THD)	3
045921	F6400-08-08-0	FTG, STR ML JIC X SAE (3/4-16 THD)	1
045922	F6400-04-06-0	FTG, STR ML JIC X SAE (3/4-16 THD)	2
045929	F6801-04-04-NWO	FTG, 90DEG ELBOW ML JIC X SAE (7/16-20 THD)	1
048730	SMK-20-JIC1/4-K	FTG, TEST PORT 7/16-20 FEM THD	1
JOYSTICKS			
045928	F6400-04-04-0	FTG, STR ML JIC X SAE (7/16-20 THD)	8
046777	F6400-04-06	FTG, STR ML JIC X SAE (7/16-20 X 9/16-18 THD)	2
HYDRAULIC CYLINDER			
045923	F6801-04-06-NWO	FTG, 90DEG ELBOW JIC X SAE (7/16-20 X 9/16-18 THD)	6
COOLER			
052928	F9059-08-08	FTG, 90DEG ELBOW ML JIC X BSPP (3/4-16 X G 1/2 THD)	2

SECTION 1 PARTS

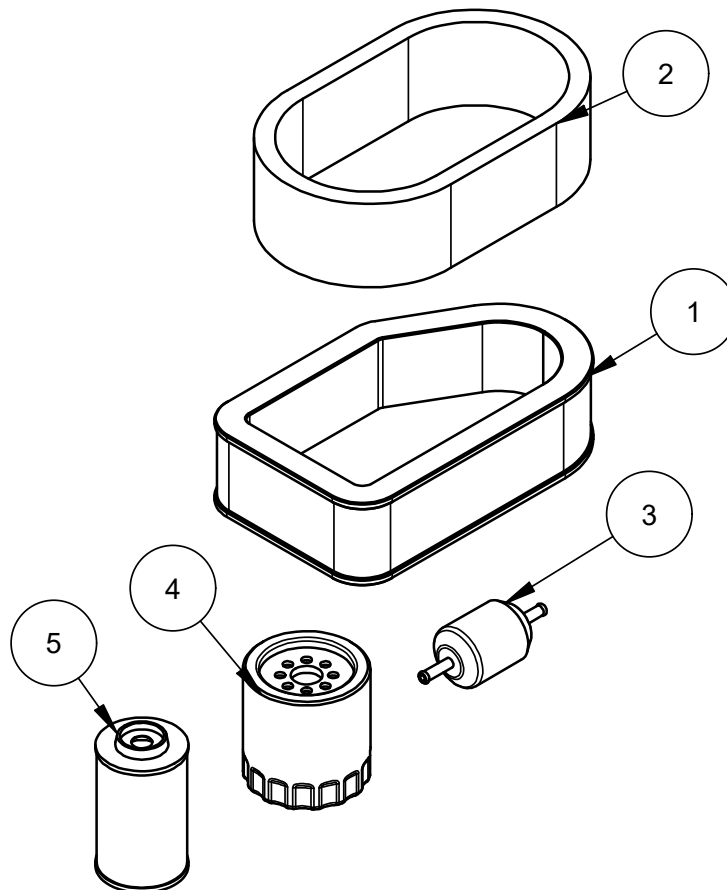
Service Parts, Filters for Vanguard

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



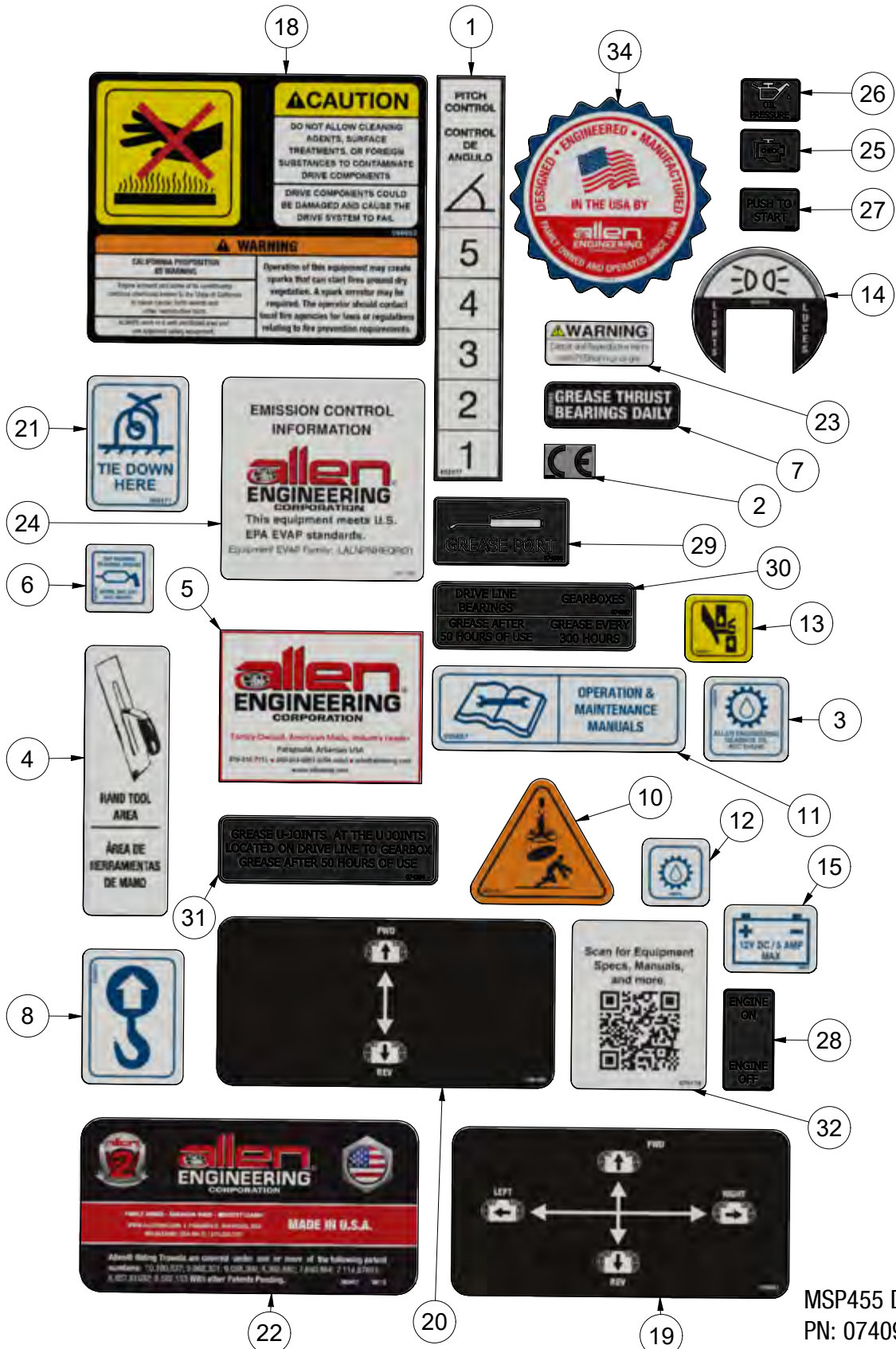
ITEM	PART NO.	DESCRIPTION	QTY
1	057991	FILTER, AIR PRIMARY KOHLER	1
2	057992	FILTER, AIR PRE-CLEANER KOHLER	1
3	057993	FILTER, FUEL KOHLER	1
4	057994	FILTER, ENGINE OIL FOR KOHLER	1
5	061528	FILTER, HYDRAULIC ELEMENT	1

SECTION 2: DECALS

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SECTION 2 DECALS

Decals, MSP455 (074091)



MSP455 Decal Kit
PN: 074091

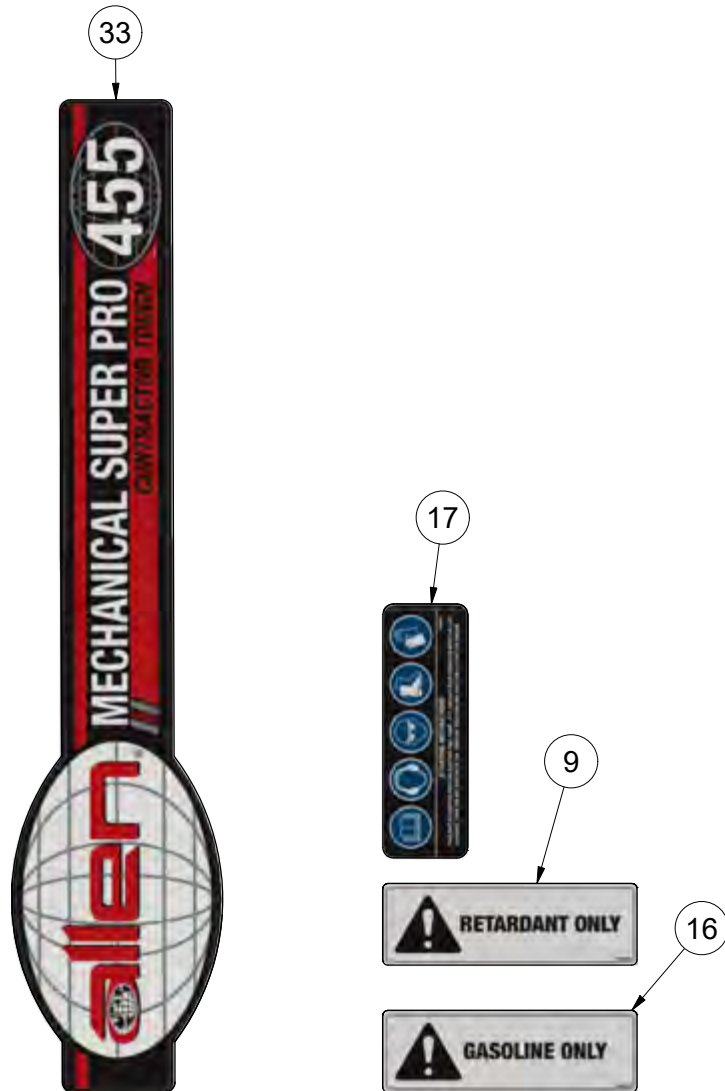
Decals, MSP455 (074091) Parts List

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 (074091) Continued



MSP455 Decal Kit
PN: 074091

Decals, MSP455 (074091) 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
L	11/25	Updated Illustrations and Parts List	MK
M	02/26	Updated 077899, 075816, 077720 Parts List/Illustration	MK
N	08/26	26-379, Updated power unit parts list, Muffler FSTNs. Added joystick spray switch illustration.	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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