

RIDING TROWEL

MP215



PARTS & DECALS MANUAL

Manual Part #: 075708P | Revision: G
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>
073460	RIDER, MP215

For more information regarding the following, please see “MP215 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
SECTION 1	PARTS.....	5
	Factory Service Information	6
	Replacement Parts Procedure.....	7
	General Arrangement (073460)	8
	Main Frame Assembly (073461)	10
	Steering System	16
	Pitch Control Assembly (032370).....	22
	Crank Handle and Screw Shaft Assembly (061529)	23
	Steering Linkage Assembly (053183)	24
	Fuel System	25
	Spray System	26
	Seat Frame Assembly (073462).....	28
	Power Unit Assembly (073470).....	32
	Drive Line Assembly	36
	Front Screen Assembly (073481).....	38
	Bearing Block Assembly (048561)	39
	Left Hand Rotor Assembly (053103)	40
	Left Hand Gearbox Assembly (026442).....	42
	Right Hand Rotor Assembly (053102)	44
	Right Hand Gearbox Assembly (026443).....	46
	Left Hand Spider Assembly (079262)	48
	Right Hand Spider Assembly (079263)	49
	Left Hand Spider Boss Assembly (015893)	50
	Right Hand Spider Boss Assembly (024813)	51
	MP215 Engine (Honda) Service parts.....	52
SECTION 2	DECALS	53
	Decals, MP215	54
	Decals, MP215 Parts List	55
	Revision Detail.....	56

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 the Safety and Operations 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:

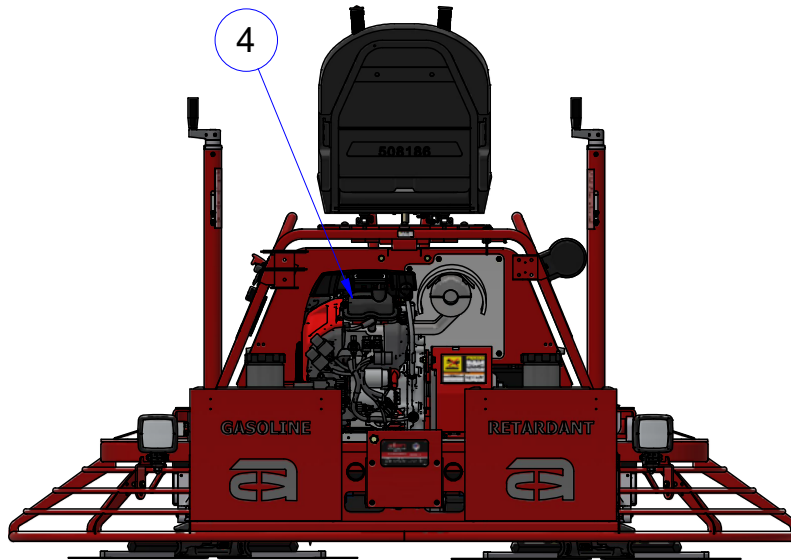
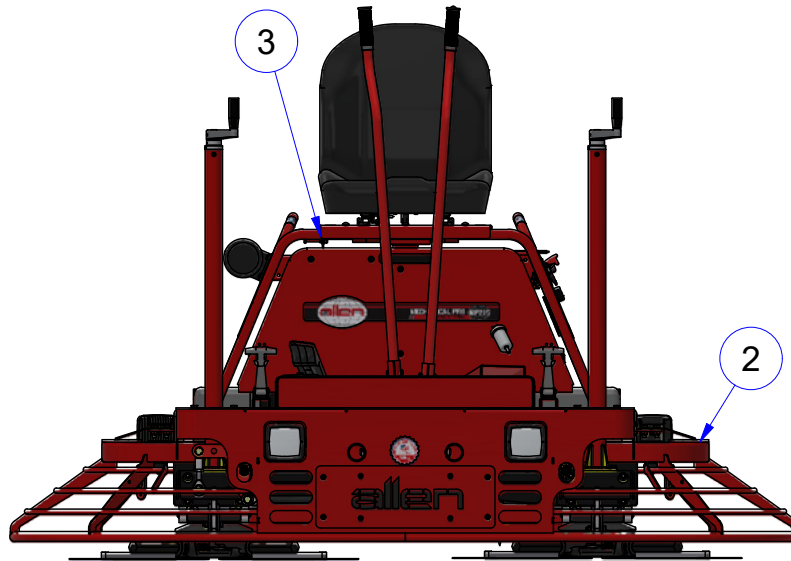
1. All orders for service parts must include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include the correct description and part number from Parts Section 1.
3. Specify exact shipping instructions, including the preferred routing and complete 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 (073460)

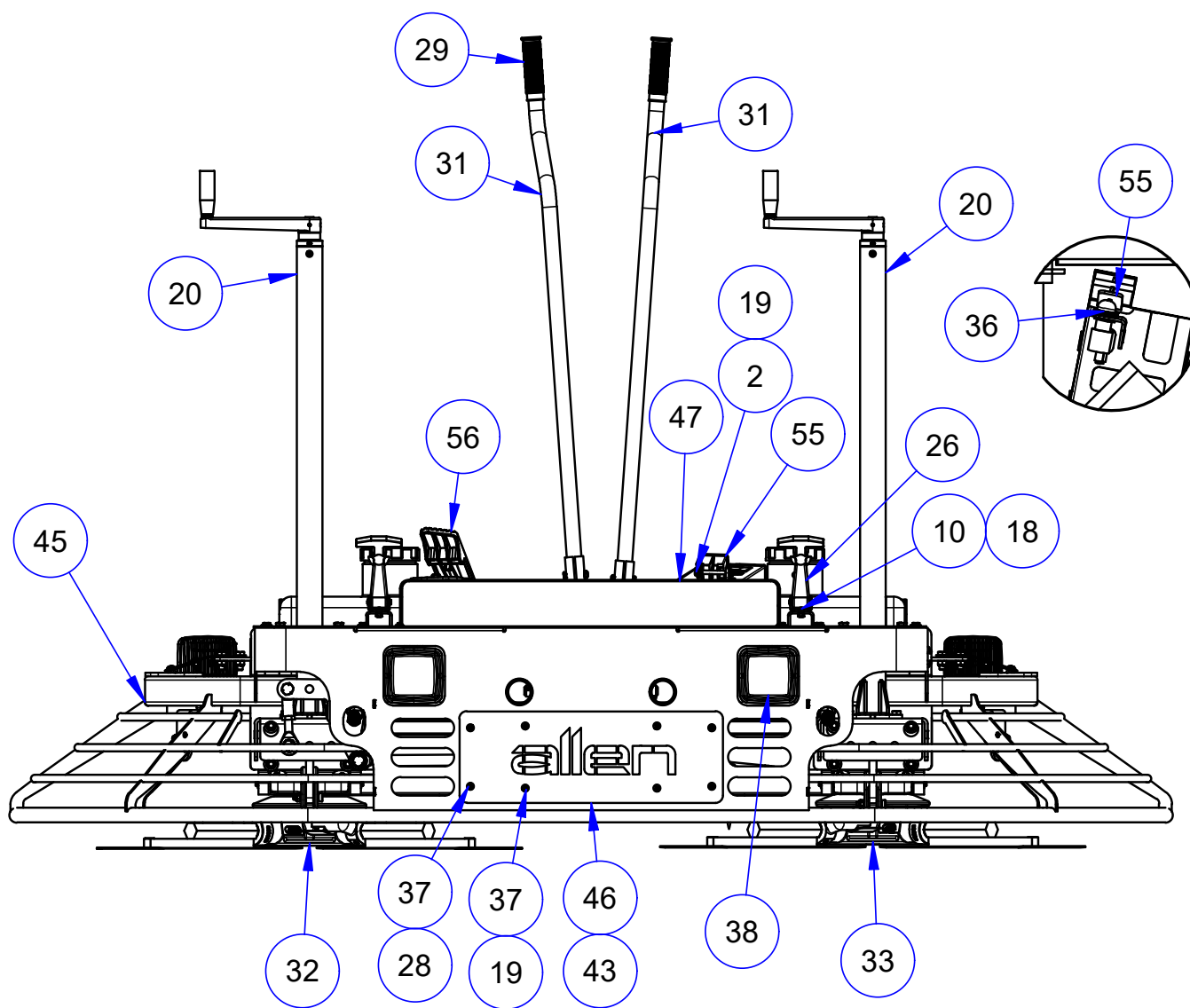


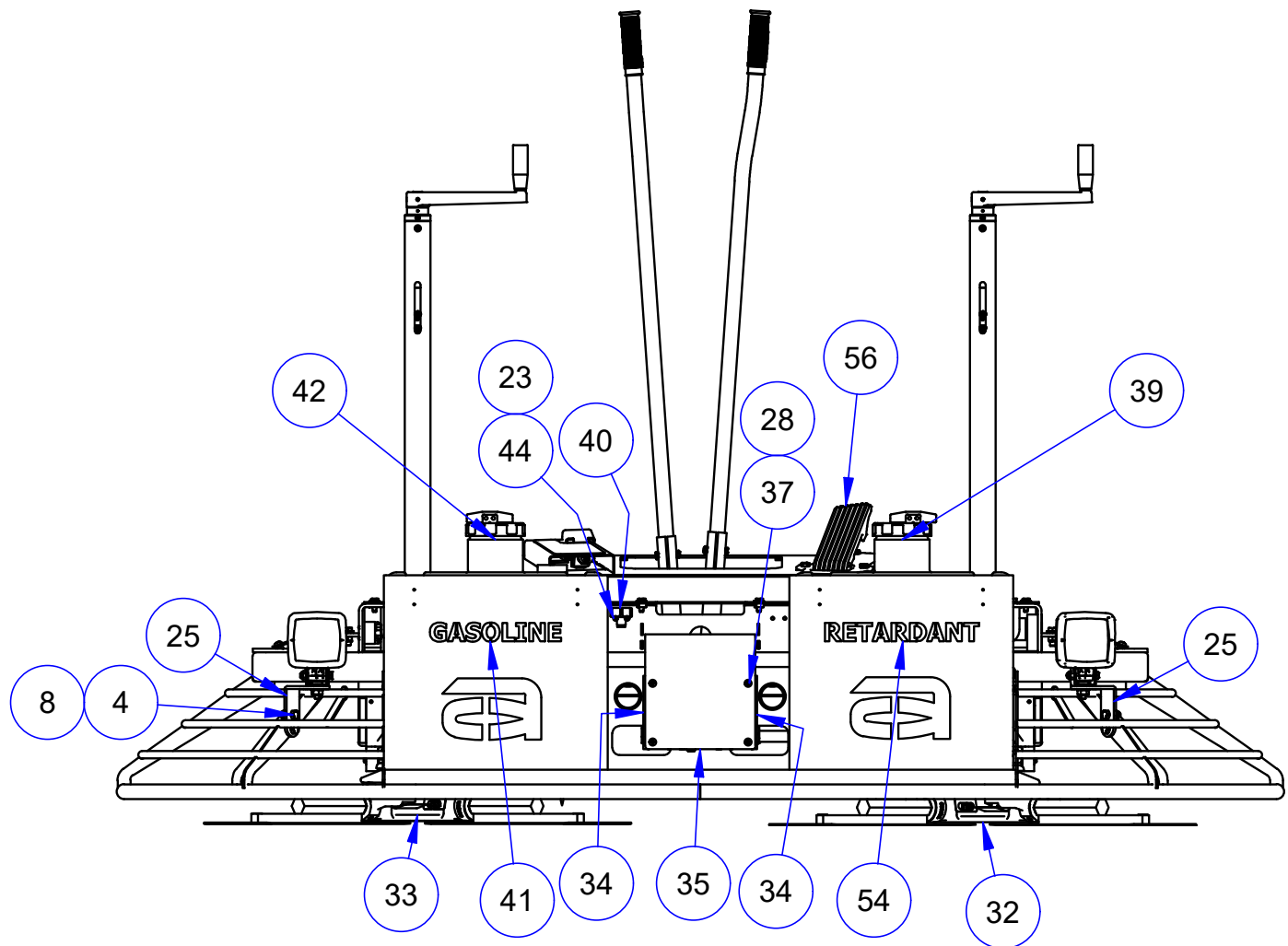
ITEM	PART NO.	DESCRIPTION	QTY
1	053222	HARNESS, LIGHT	1
2	073461	MAIN FRAME ASSEMBLY MP215X	1
3	073462	SEAT FRAME ASSEMBLY MP215X	1
4	073470	POWER UNIT ASSEMBLY MP215X	1
5	074092	KIT, DECAL MP215	1
6	074139	KIT, SPRAY AND LUBRICATION	1
7	074404	HARNESS, ELECTRICAL FOR MP RIDERS	1

PAGE LEFT BLANK INTENTIONALLY

SECTION 1 PARTS

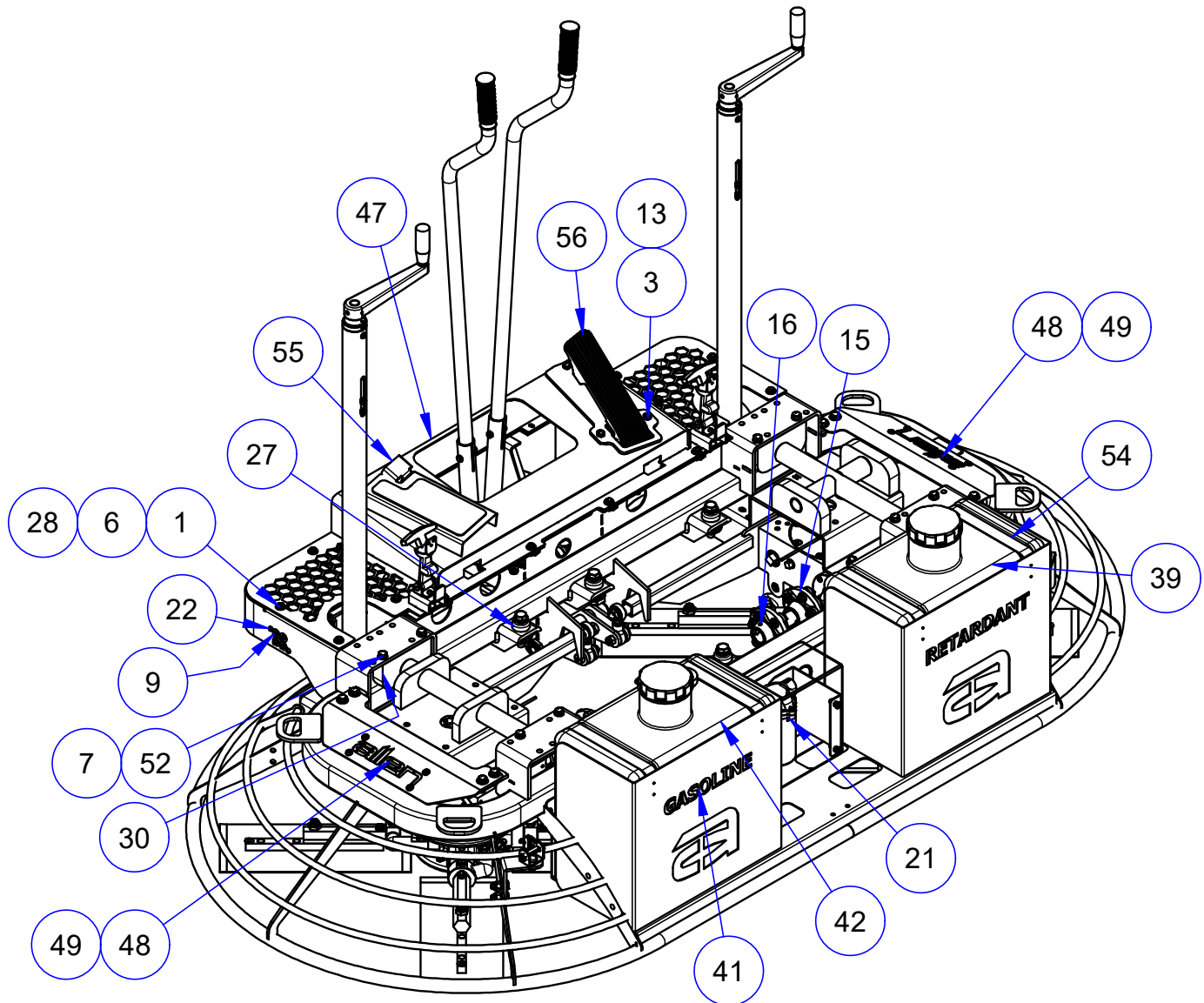
Main Frame Assembly (073461)

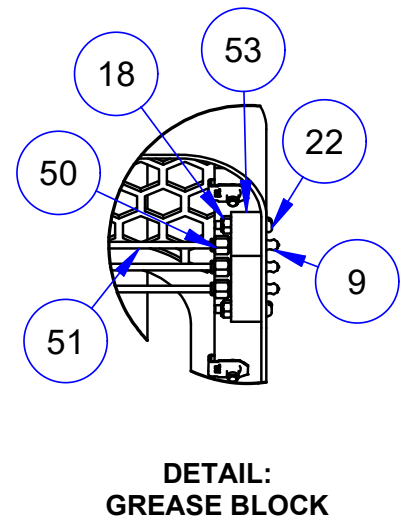
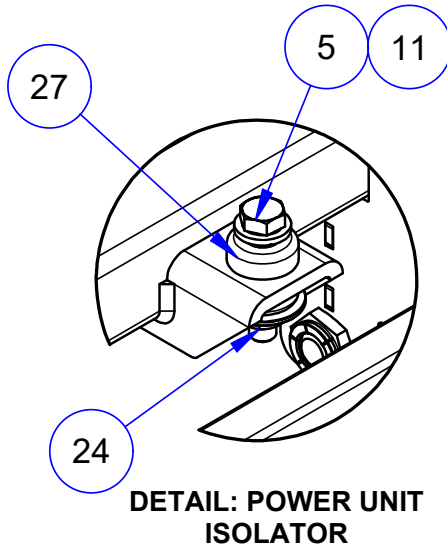
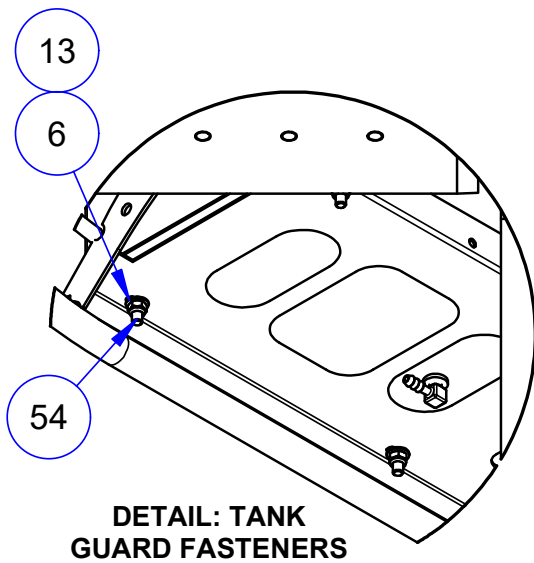
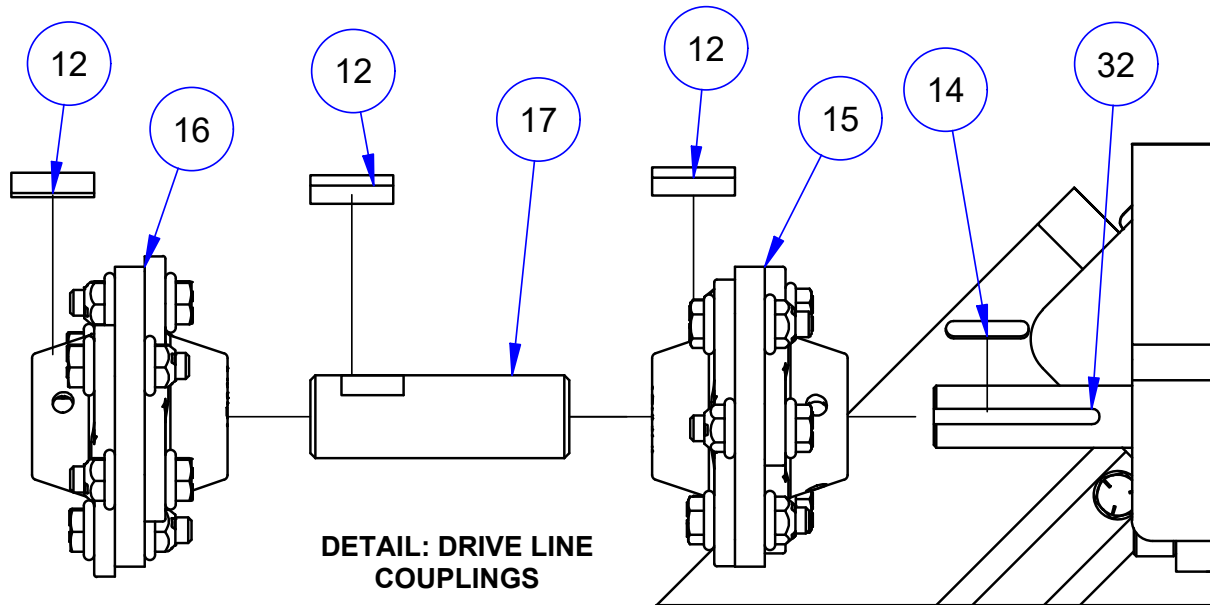




SECTION 1 PARTS

Main Frame Assembly (073461) Continued





SECTION 1 PARTS

Main Frame Assembly (073461) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010002	FASTENER, HHCS 1/4-20 X 3/4	14
2	010009	FASTENER, HHCS 1/4-20 X 2 1/2	1
3	010019	FASTENER, HHCS 5/16-18 X 3/4	3
4	010036	FASTENER, HHCS 3/8-16 X 1	18
5	010073	FASTENER, HHCS 1/2-13 X 2-1/2	6
6	010082	FASTENER, FW 5/16	22
7	010091	FASTENER, LW 3/8	8
8	010464	FASTENER, HEX NUT NYLOCK 3/8-16	10
9	010513	FITTING, 1/4-28 STR GREASE	4
10	010568	FASTENER, SCREW 10-32 X 1/2	4
11	011490	FASTENER, FW 1/2	6
12	011791	KEY, 1/4 SQ X 1 LG MACHINE	6
13	012612	FASTENER, HEX NUT NYLOCK 5/16-18	11
14	015813	KEY, 3/16" SQ X 1" LG WITH RADI ENDS	2
15	024967	COUPLER, Ø3/4 X Ø1 FLEX DISC	2
16	024968	COUPLER, Ø1 X Ø1 FLEX DISC	2
17	024971	SHAFT, DRIVE END 3-1/8"	2
18	029568	FASTENER, HEX NUT 10-32 NYLOCK	10
19	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	13
20	032370	ASSEMBLY, PITCH CONTROL	2
21	033735	PUMP, SPRAY SYSTEM	1
22	036791	FASTENER, SCREW 10-32 X 3/8	6
23	039100	FASTENER, HEX NUT NYLOCK 8-32	2
24	040208	FASTENER, HEX NUT 1/2-13 STOVER	9
25	042140	LIGHT BRACKET	2
26	042260	LATCH, T-HANDLE EXTRA-LARGE DRAW	2
27	046744	MOUNT, ISOLATOR 90LB	6
28	047546	FASTENER, PAL NUT 1/4-20	22
29	048354	GRIP, BLACK HANDLE	2
30	048561	ASSEMBLY, BEARING BLOCK F/ ROTOR MOUNT	4
31	048896	JOYSTICK, STEERING	2
32	053102	ASSEMBLY, ROTOR RH	1
33	053103	ASSEMBLY, ROTOR LH	1
34	053323	BRACKET, F/ PUMP COVER	2
35	053324	PUMP COVER	1
36	068956	SWITCH, MOMENTARY	1
37	069737	ASSEMBLY, SCREW 1/4-20 X 3/4	20

Main Frame Assembly (073461) Parts List

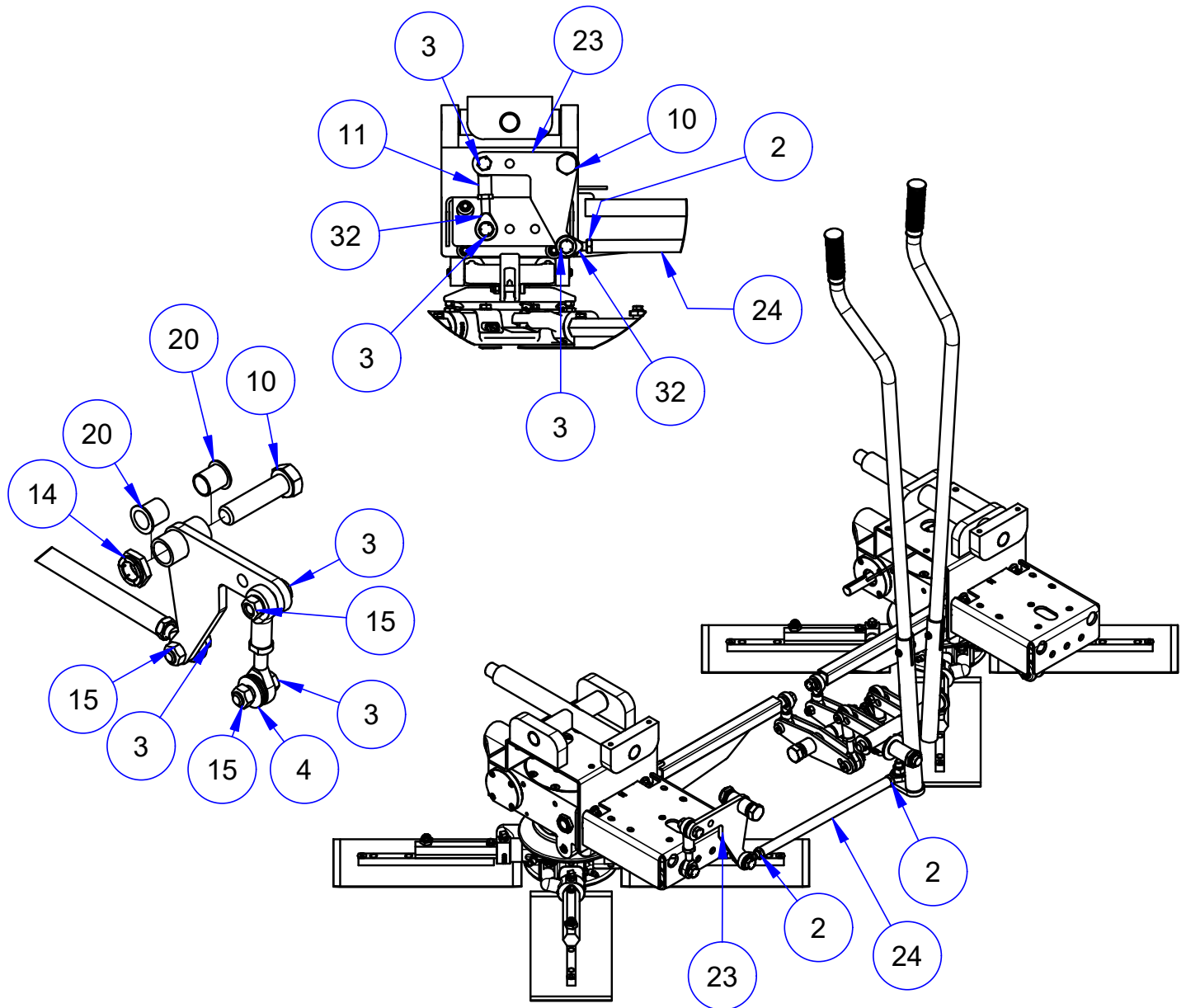
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
38	069835	LIGHT, LED 1200 LUMENS 12 VDC (1.3 AMP)	4
39	071536	TANK, 7 GALLON RETARDANT ASSEMBLY	1
40	071599	FITTING, ONE TOUCH TEE 3/8" HOSE CONNECTION	1
41	072737	GUARD, FOR 7 GALLON GASOLINE TANK	1
42	072854	TANK, 7 GALLON CAPACITY GASOLINE ASSEMBLY	1
43	072856	PLATE, BACKER FOR EMBLEM PLATE RIDERS	1
44	073283	FASTENER, HSCS 8-32 X 1	2
45	073463	WELDMENT, MAIN FRAME MSP215	1
46	073472	COVER FRONT CENTER FOR MP215	1
47	073475	WELDMENT, FRONT DECK FOR MP215	1
48	073482	PLATE, COVER FOR MP215	2
49	073483	PLATE, BACKER FOR SMALL BRANDING PLATES	2
50	073815	FITTING, PUSH IN STRAIGHT FOR 4MM TUBING	4
51	073819	TUBING, 4 MM PLASTIC FOR GREASE LINE	15FT
52	074068	FASTENER, HHCS 3/8-16 X 1	8
53	074337	BLOCK, MANIFOLD GREASE PORTS	1
54	075422	GUARD, FOR 7 GALLON RETARDANT TANK	1
55	076300	WELDMENT, PEDAL WATER SWITCH FOR RIDERS	1
56	*081377	PEDAL ELECTRONIC, FLOOR MOUNT WITH HALL EFFECT SWITCH	1

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

SECTION 1 PARTS

Steering System



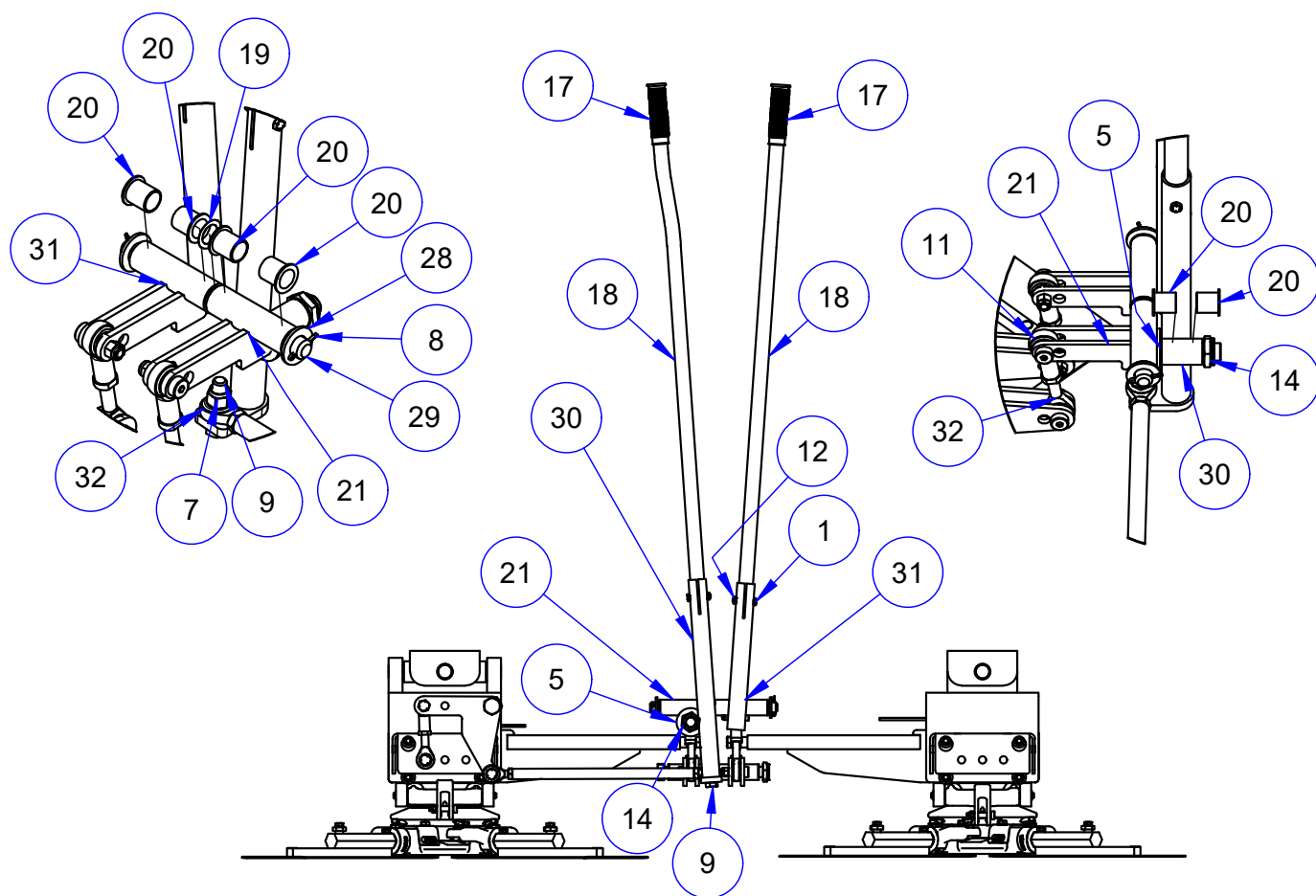
Steering System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010005	FASTENER, HHCS 1/4-20 X 1-1/2	2
2	010051	FASTENER, HEX NUT JAM 1/2-20	2
3	010069	FASTENER, HHCS 1/2-13 X 1-1/2	3
4	010085	FASTENER, FW 1/2	2
5	010087	FASTENER, FW 3/4	1
6	010464	FASTENER, NUT NYLOK 3/8-16	10
7	011238	FASTENER, HEX NUT NYLOK 1/2-13	1
8	012361	FASTENER, PIN COTTER 1/8 X 1	2
9	013619	FASTENER, HHCS 1/2-13 X 2-1/4	1
10	016510	FASTENER, HHCS 3/4-10 X 2 1/2	1
11	019900	ROD END, 1/2 FEMALE	3
12	020542	FASTENER, HEX NUT STOVER 1/4-20	2
13	026267	FASTENER, SHLDR BOLT 3/8-16 X Ø1/2 X 1 LG SHLDR	6
14	026447	FASTENER, HEX NUT THIN SELFLOCK 3/4-10	3
15	040208	FASTENER, HEX NUT STOVER 1/2-13	9
16	046846	STOVER, HHCS 1/2-20 X 1-1/2	2
17	048354	GRIP, BLACK HANDLE	2
18	048896	JOYSTICK, STEERING	2
19	048928	SHIM, 3/4 ID X 1-1/8 OD WEAR	2
20	048929	BEARING, Ø3/4 ID PLASTIC FLANGE	12
21	053111	WELDMENT, LEVER STEERING RH	1
22	053120	WELDMENT, PIVOT ARM F/ STEERING	2
23	053124	WELDMENT, STEERING FULCRUM	1
24	053126	SHAFT, 18" LONG STEERING LINKAGE	1
25	053181	ROD END, 1/2 MALE MODIFIED	1
26	053182	ROD END, 1/2 FEMALE MODIFIED	1
27	056636	FASTENER, HHCS 3/4-10 X 7 1/2	1
28	059776	FASTENER, FW 3/4	2
29	069965	PIN, PIVOT ROD	1
30	073903	WELDMENT, STEERING TUBE RH	1
31	073906	WELDMENT, LEVER STEERING LH	1
32	221408	ROD END, MALE 1/2"	5

SECTION 1 PARTS

Steering System Continued



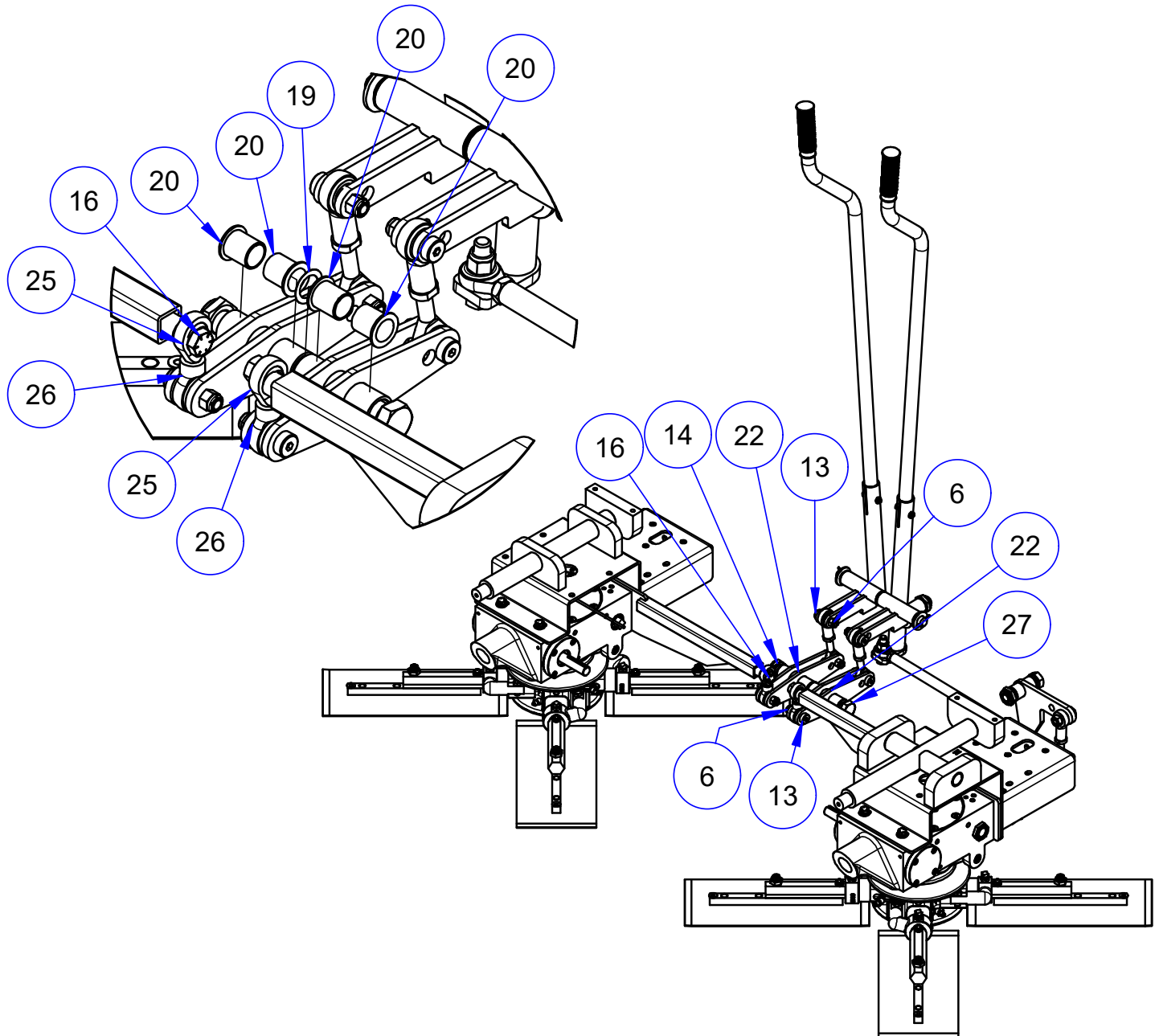
Steering System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010005	FASTENER, HHCS 1/4-20 X 1-1/2	2
2	010051	FASTENER, HEX NUT JAM 1/2-20	2
3	010069	FASTENER, HHCS 1/2-13 X 1-1/2	3
4	010085	FASTENER, FW 1/2	2
5	010087	FASTENER, FW 3/4	1
6	010464	FASTENER, NUT NYLOK 3/8-16	10
7	011238	FASTENER, HEX NUT NYLOK 1/2-13	1
8	012361	FASTENER, PIN COTTER 1/8 X 1	2
9	013619	FASTENER, HHCS 1/2-13 X 2-1/4	1
10	016510	FASTENER, HHCS 3/4-10 X 2 1/2	1
11	019900	ROD END, 1/2 FEMALE	3
12	020542	FASTENER, HEX NUT STOVER 1/4-20	2
13	026267	FASTENER, SHLDR BOLT 3/8-16 X Ø1/2 X 1 LG SHLDR	6
14	026447	FASTENER, HEX NUT THIN SELFLOCK 3/4-10	3
15	040208	FASTENER, HEX NUT STOVER 1/2-13	9
16	046846	STOVER, HHCS 1/2-20 X 1-1/2	2
17	048354	GRIP, BLACK HANDLE	2
18	048896	JOYSTICK, STEERING	2
19	048928	SHIM, 3/4 ID X 1-1/8 OD WEAR	2
20	048929	BEARING, Ø3/4 ID PLASTIC FLANGE	12
21	053111	WELDMENT, LEVER STEERING RH	1
22	053120	WELDMENT, PIVOT ARM F/ STEERING	2
23	053124	WELDMENT, STEERING FULCRUM	1
24	053126	SHAFT, 18" LONG STEERING LINKAGE	1
25	053181	ROD END, 1/2 MALE MODIFIED	1
26	053182	ROD END, 1/2 FEMALE MODIFIED	1
27	056636	FASTENER, HHCS 3/4-10 X 7 1/2	1
28	059776	FASTENER, FW 3/4	2
29	069965	PIN, PIVOT ROD	1
30	073903	WELDMENT, STEERING TUBE RH	1
31	073906	WELDMENT, LEVER STEERING LH	1
32	221408	ROD END, MALE 1/2"	5

SECTION 1 PARTS

Steering System Continued



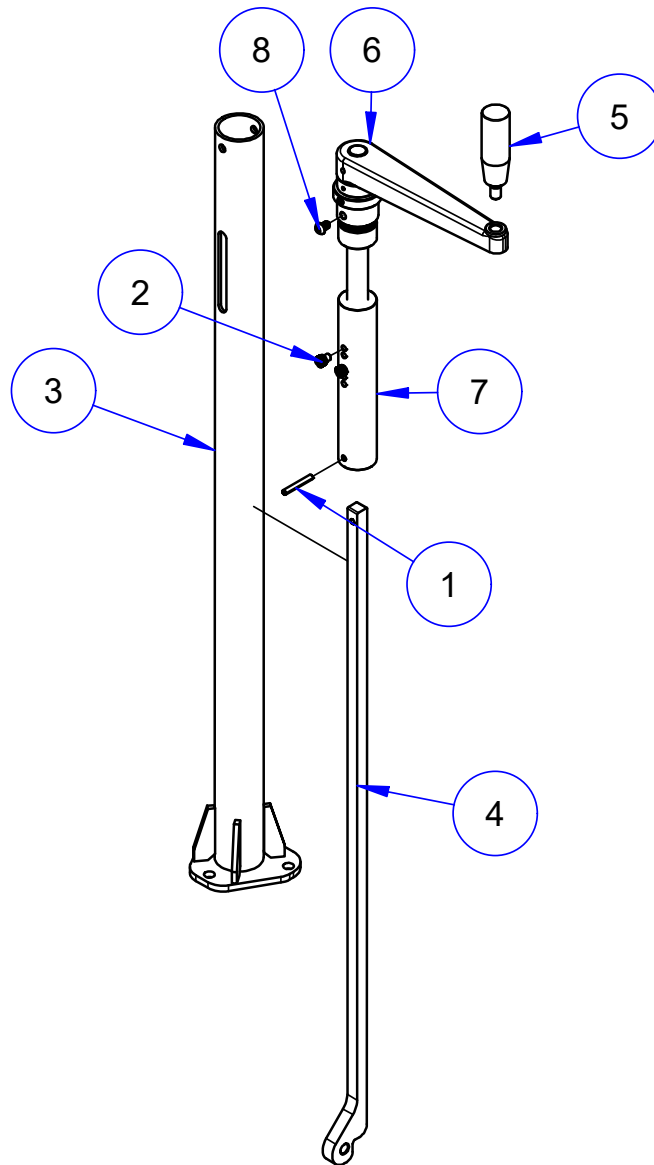
Steering System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010005	FASTENER, HHCS 1/4-20 X 1-1/2	2
2	010051	FASTENER, HEX NUT JAM 1/2-20	2
3	010069	FASTENER, HHCS 1/2-13 X 1-1/2	3
4	010085	FASTENER, FW 1/2	2
5	010087	FASTENER, FW 3/4	1
6	010464	FASTENER, NUT NYLOK 3/8-16	10
7	011238	FASTENER, HEX NUT NYLOK 1/2-13	1
8	012361	FASTENER, PIN COTTER 1/8 X 1	2
9	013619	FASTENER, HHCS 1/2-13 X 2-1/4	1
10	016510	FASTENER, HHCS 3/4-10 X 2 1/2	1
11	019900	ROD END, 1/2 FEMALE	3
12	020542	FASTENER, HEX NUT STOVER 1/4-20	2
13	026267	FASTENER, SHLDR BOLT 3/8-16 X Ø1/2 X 1 LG SHLDR	6
14	026447	FASTENER, HEX NUT THIN SELFLOCK 3/4-10	3
15	040208	FASTENER, HEX NUT STOVER 1/2-13	9
16	046846	STOVER, HHCS 1/2-20 X 1-1/2	2
17	048354	GRIP, BLACK HANDLE	2
18	048896	JOYSTICK, STEERING	2
19	048928	SHIM, 3/4 ID X 1-1/8 OD WEAR	2
20	048929	BEARING, Ø3/4 ID PLASTIC FLANGE	12
21	053111	WELDMENT, LEVER STEERING RH	1
22	053120	WELDMENT, PIVOT ARM F/ STEERING	2
23	053124	WELDMENT, STEERING FULCRUM	1
24	053126	SHAFT, 18" LONG STEERING LINKAGE	1
25	053181	ROD END, 1/2 MALE MODIFIED	1
26	053182	ROD END, 1/2 FEMALE MODIFIED	1
27	056636	FASTENER, HHCS 3/4-10 X 7 1/2	1
28	059776	FASTENER, FW 3/4	2
29	069965	PIN, PIVOT ROD	1
30	073903	WELDMENT, STEERING TUBE RH	1
31	073906	WELDMENT, LEVER STEERING LH	1
32	221408	ROD END, MALE 1/2"	5

SECTION 1 PARTS

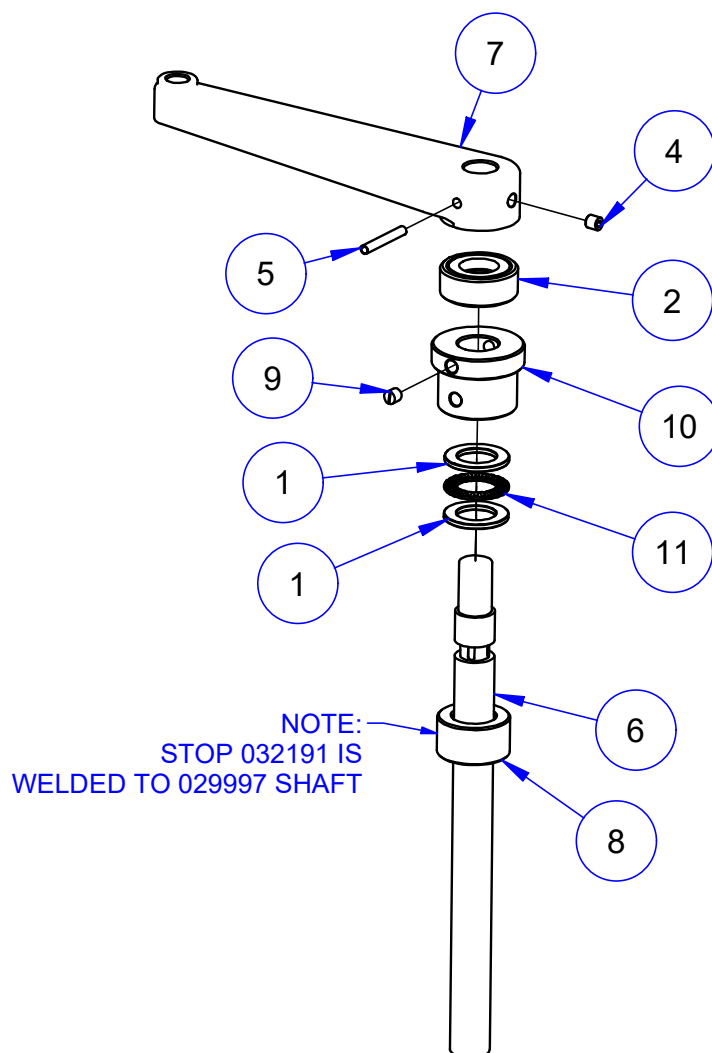
Pitch Control Assembly (032370)



ITEM	PART NO.	DESCRIPTION	QTY
1	015747	PIN, ROLL 3/16 X 1-3/8	1
2	015768	FASTENER, SHCS 1/4-20 X 1/4	2
3	026420	WELDMENT, PRO PITCH CONTROL TUBE	1
4	029822	PITCH CONTROL SHAFT	1
5	032115	KNOB, PITCH CONTROL HANDLE	1
6	061529	CRANK HANDLE AND SCREW SHAFT	1
7	075902	BUSHING, SLIDE PITCH CONTROL	1
8	078505	FASTENER, SCREW HEX DRIVE 1/4"-20 X 3/8	2

Crank Handle and Screw Shaft Assembly (061529)

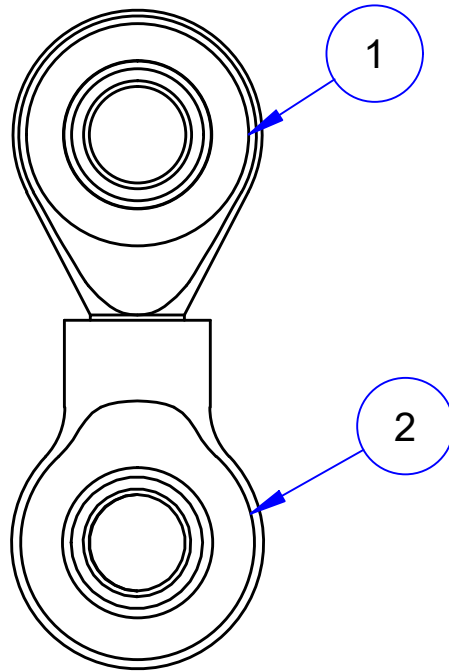
SECTION 1 PARTS



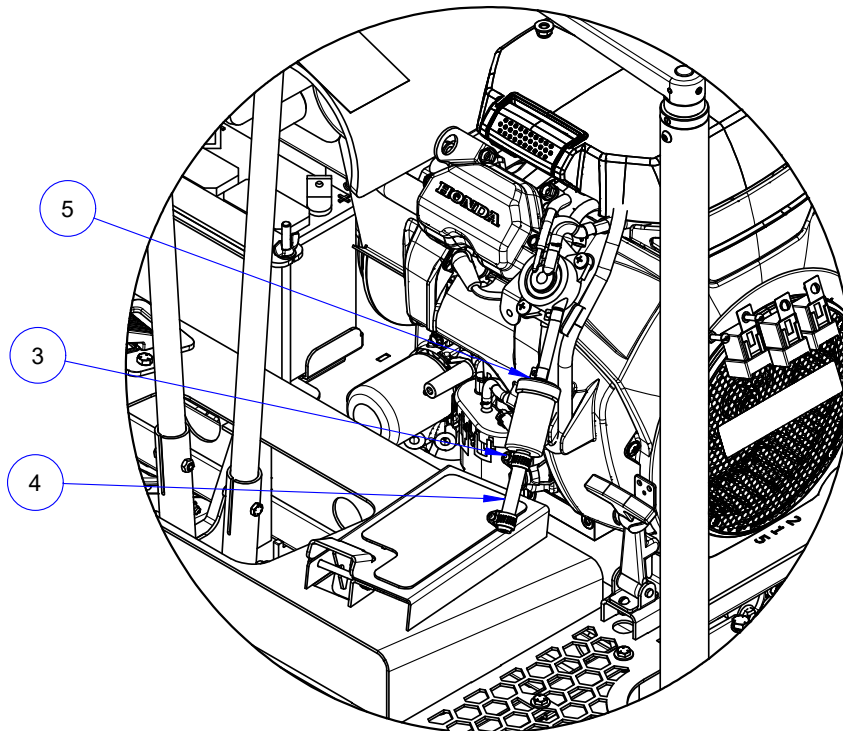
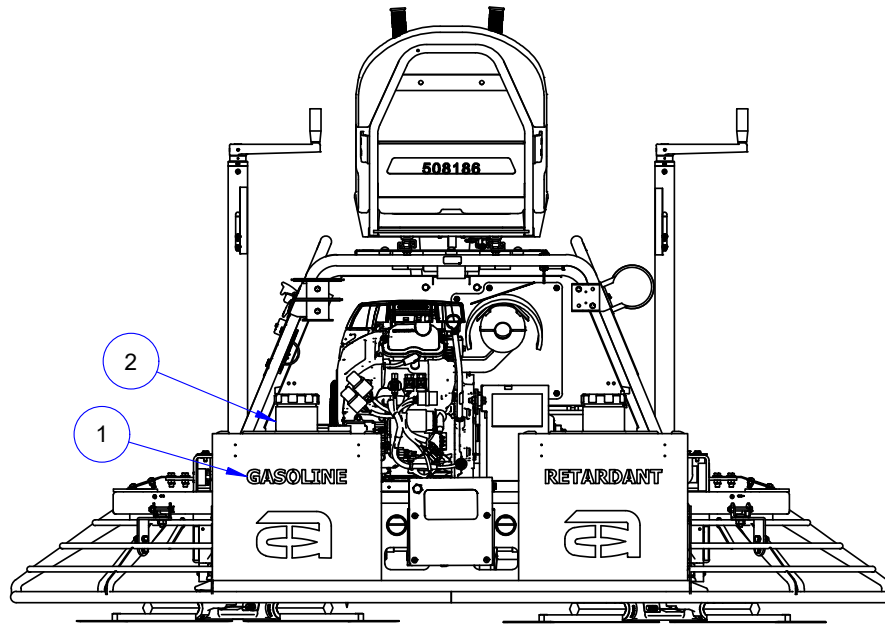
ITEM	PART NO.	DESCRIPTION	QTY
1	012710	THRUST BEARING RACE	2
2	015742	BEARING, THRUST W/ LUB HOLE	1
3	026541	ASSEMBLY, CRANK HANDLE AND SCREW SHAFT	1
4	013374	SCREW, SHSSKP 1/4-28 X 1/4	1
5	018289	FASTENER, SPRING ROLL 3/16 X 1-1/4	1
6	029997	SHAFT, SCREW CABLE ADJUSTMENT	1
7	037693	HANDLE, CRANK F/ PITCH CONTROL	1
8	032191	STOP F/ PITCH CONTROL HANDLE	1
9	036797	BALL PLUNGER, 1/4-20 X 1/4	2
10	036914	BUSHING, CABLE ASSEMBLY - RIDERS	1
11	100340	BEARING, THRUST	1

SECTION 1 PARTS

Steering Linkage Assembly (053183)



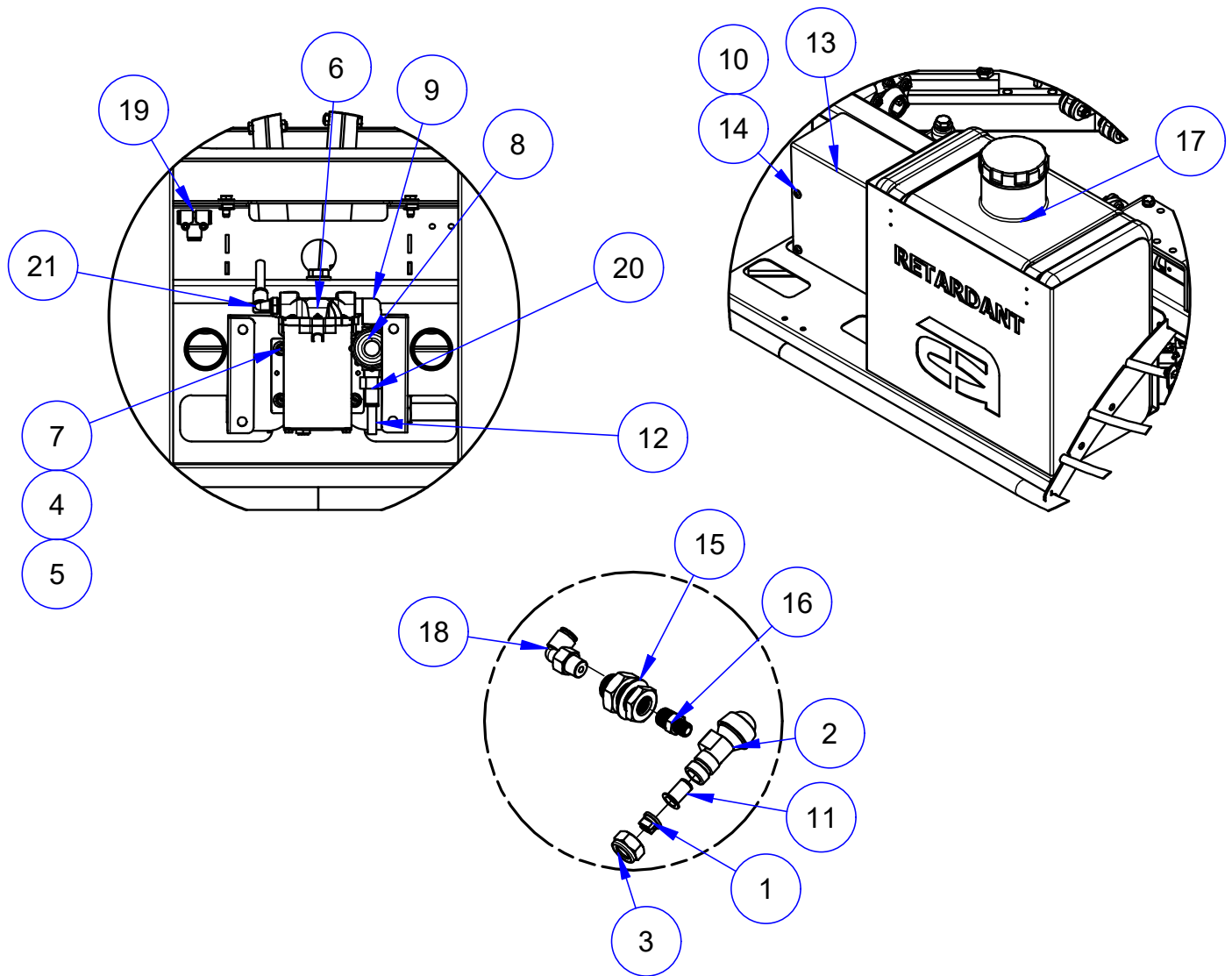
ITEM	PART NO.	DESCRIPTION	QTY
1	053181	ROD END, MALE 1/2 MODIFIED	1
2	053182	ROD END, FEMALE 1/2 MODIFIED	1



ITEM	PART NO.	DESCRIPTION	QTY
1	072737	GUARD, TANK FOR 7 GALLON GAS TANKS	1
2	072854	TANK, 7 GALLON GAS EPA W/CAP	1
3	019430	FASTENER, CLAMP SIZE 4 MINI	2
4	039155	HOSE, 1/4" FUEL	3FT
5	064833	FILTER, FUEL F/ HONDA GX700	1

SECTION 1 PARTS

Spray System



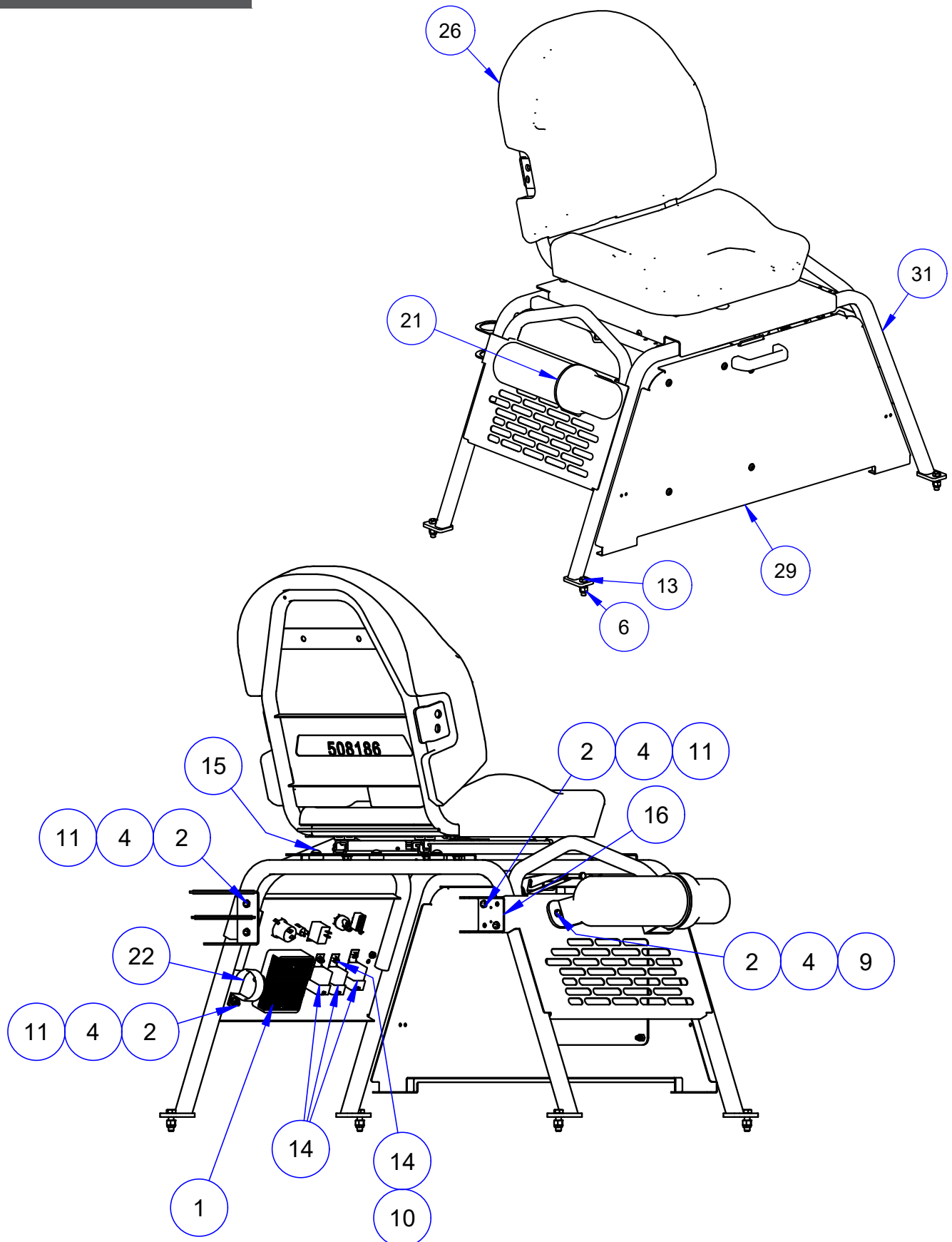
Spray System Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	012702	TIP, 80° X 0.10 GPM BRASS SPRAY	2
2	012704	BODY, BRASS CHECK VALVE NOZZLE	2
3	012705	RETAINER, BRASS SPRAY TIP	2
4	018072	FASTENER, FW #10	4
5	029568	FASTENER, HEX NUT 10-32 NYLOCK	10
6	033735	PUMP, SPRAY SYSTEM	1
7	036791	FASTENER, SCREW 10-32 X 3/8	6
8	040209	FILTER, RETARDANT SPRAY SYSTEM	1
9	040387	ELBOW, 3/8 BRASS 90° STREET	1
10	047546	FASTENER, PAL NUT 1/4-20	22
11	047578	STRAINER, POLY 50 µ MESH	2
12	048246	HOSE, 3/8 X 1/4ID WATER LINE	2
13	053324	PUMP COVER	1
14	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	20
15	071016	FITTING, BULK HEAD BRASS 1/4" NPT	2
16	071017	FITTING, REDUCING HEX NIPPLE 1/4" TO 1/8" NPT	2
17	071536	TANK, 7 GALLON RETARDANT ASSEMBLY (BLACK)	1
18	071596	FITTING, ONE TOUCH ELBOW 1/4" NPT TO 3/8" HOSE CONNECTION	2
19	071599	FITTING, ONE TOUCH TEE 3/8" HOSE CONNECTION	1
20	074135	FITTING, ONE TOUCH 3/8 NPT FEM TO 3/8 HOSE	1
21	078110	FITTING, ONE TOUCH ELBOW 3/8" NPT MALE TO 3/8" HOSE CONNECTION	1

SECTION 1 PARTS

Seat Frame Assembly (073462)



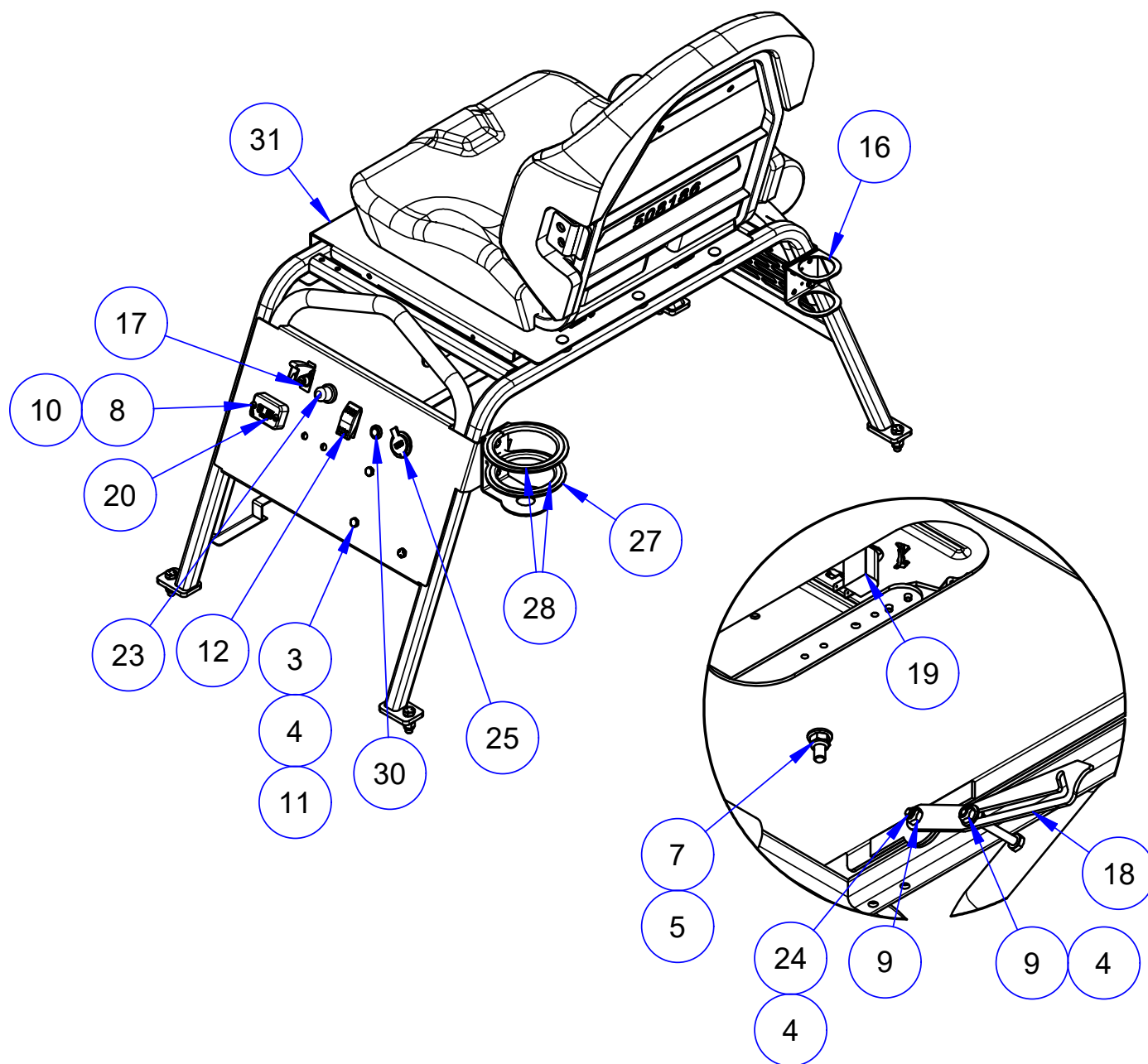
Seat Frame Assembly (073462) Continued

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	-	HONDA, EFI CONTROL MODULE (COMES WITH ENGINE)	1
2	010002	FASTENER, HHCS 1/4-20 X 3/4	8
3	010004	FASTENER, HHCS 1/4-20 X 1-1/4	2
4	010081	FASTENER, FW 1/4	13
5	010082	FASTENER, FW 5/16	4
6	010464	FASTENER, HEX NUT NYLOK 3/8-16	4
7	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
8	016382	FASTENER, RHMS 10-32 X 1	2
9	020542	FASTENER, HEX NUT STOVER LOCK 1/4-20	6
10	029568	FASTENER, HEX NUT 10-32 NYLOCK	4
11	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	12
12	032125	SWITCH, ROCKER	1
13	032875	FASTENER, HHCS 3/8-16 X 1-1/4	4
14	047052	RELAY, 12 V 30/50 A	3
15	047665	RUBBER BUMPER	3
16	049632	TOOL HOLDER BRACKET	1
17	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
18	053211	SEAT PROP	1
19	061374	SWITCH, FOR 069874 SEAT - NORMALLY OPEN	1
20	064386	METER, TACH/HOUR INDUCTIVE, F/EFI	1
21	066255	MANUAL TUBE	1
22	067279	CLAMP, LOOP VIB. DAMPENING 2" ID	1
23	068956	SWITCH, MOMENTARY	1
24	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	1
25	069850	USB RECEPTACLE 12VDC	1
26	069874	SEAT, RIDER	1
27	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
28	071122	RUBBER TRIM CUT F/ CUP HOLDER	1.92 FT
29	073481	FRONT PANEL ASSEMBLY MP215	1
30	073948	LIGHT, RED LED	1
31	074332	WELDMENT, SEAT FRAME MP215	1

SECTION 1 PARTS

Seat Frame Assembly (073462) Continued



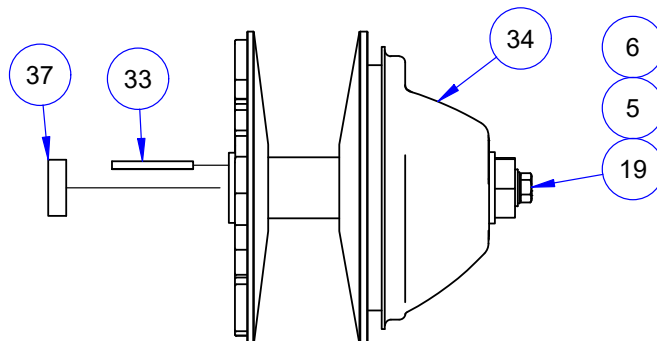
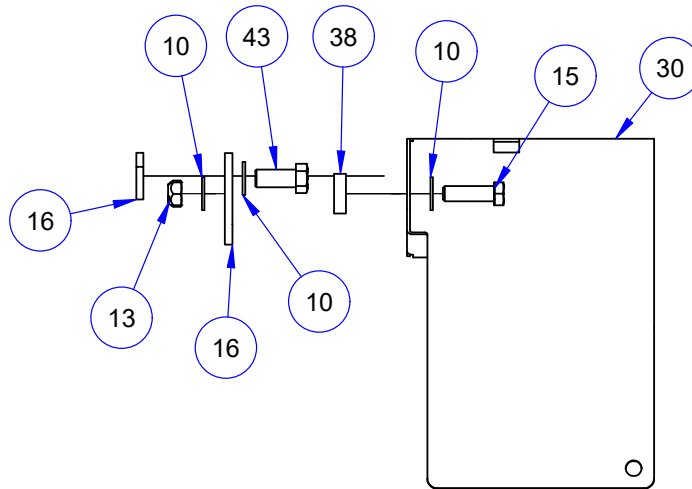
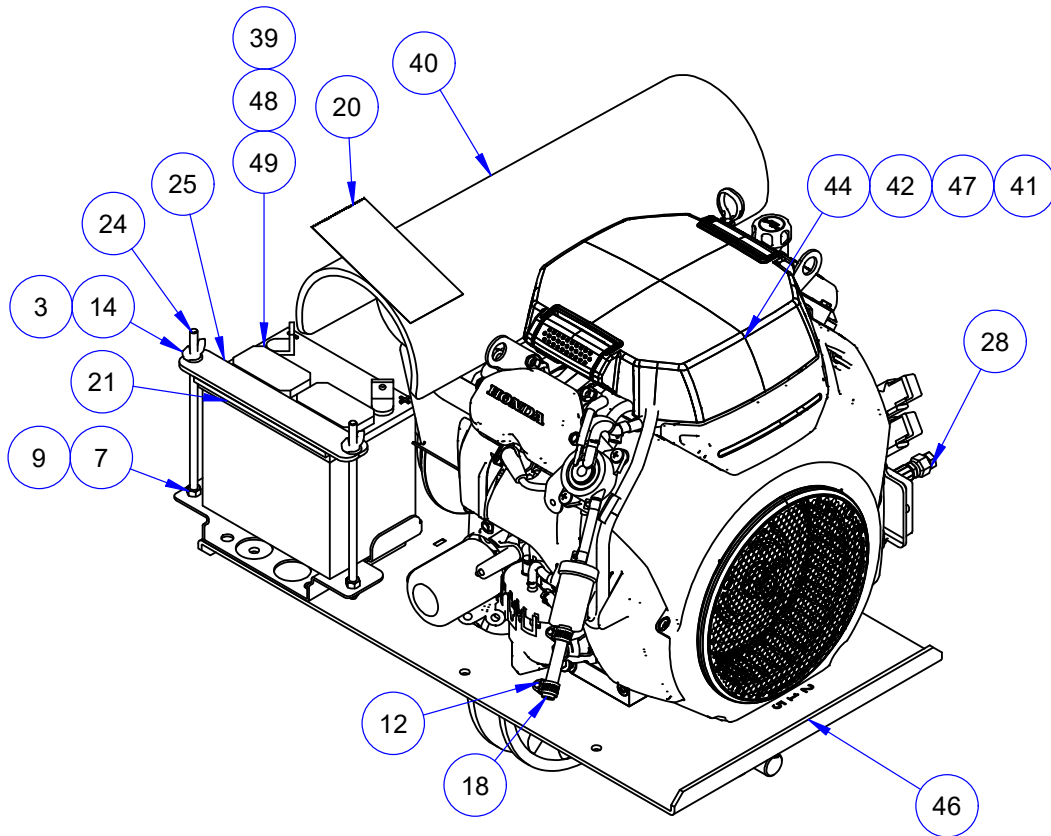
Seat Frame Assembly (073462) Parts List

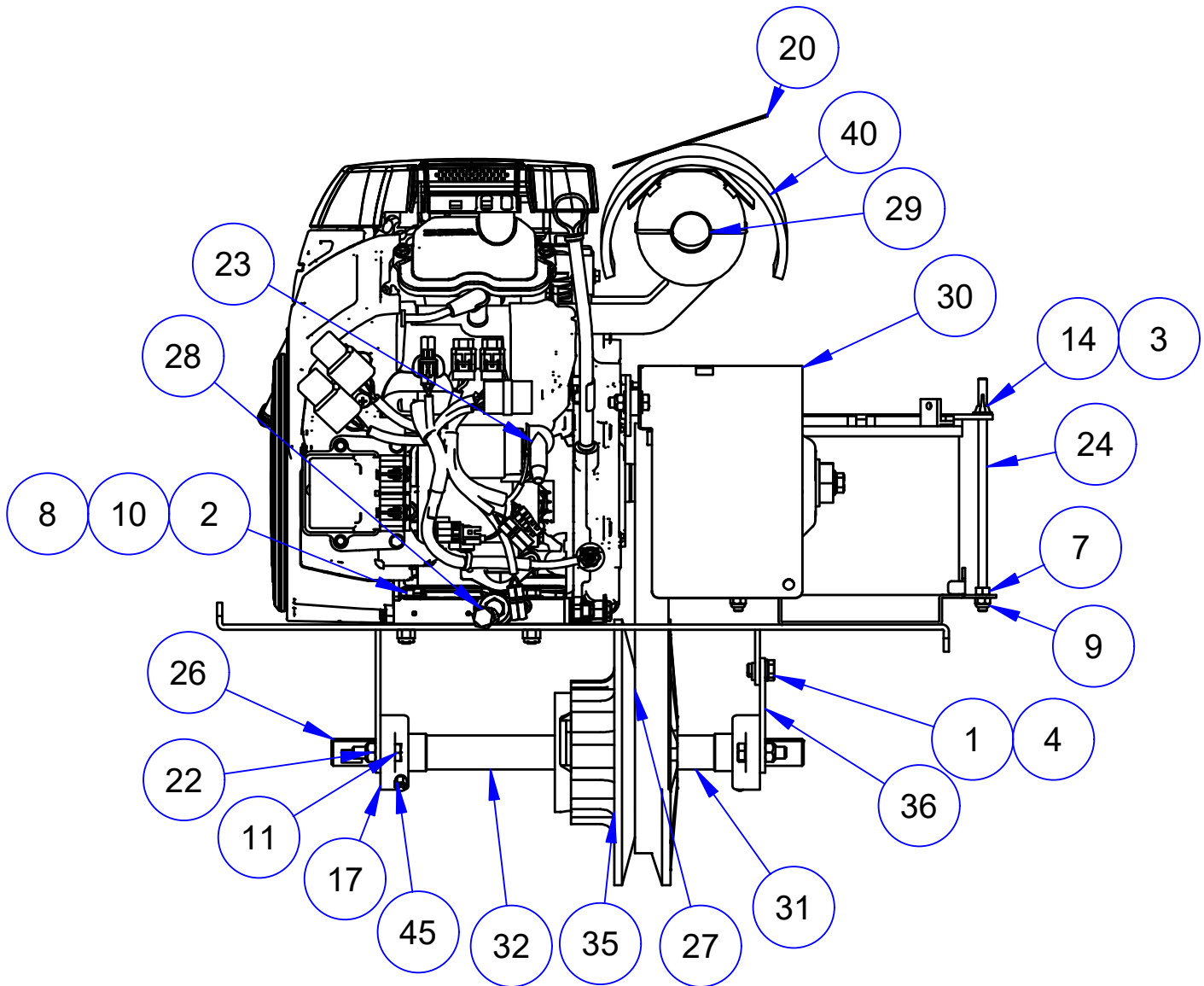
SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	-	HONDA, EFI CONTROL MODULE (COMES WITH ENGINE)	1
2	010002	FASTENER, HHCS 1/4-20 X 3/4	8
3	010004	FASTENER, HHCS 1/4-20 X 1-1/4	2
4	010081	FASTENER, FW 1/4	13
5	010082	FASTENER, FW 5/16	4
6	010464	FASTENER, HEX NUT NYLOK 3/8-16	4
7	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
8	016382	FASTENER, RHMS 10-32 X 1	2
9	020542	FASTENER, HEX NUT STOVER LOCK 1/4-20	6
10	029568	FASTENER, HEX NUT 10-32 NYLOCK	4
11	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	12
12	032125	SWITCH, ROCKER	1
13	032875	FASTENER, HHCS 3/8-16 X 1-1/4	4
14	047052	RELAY, 12 V 30/50 A	3
15	047665	RUBBER BUMPER	3
16	049632	TOOL HOLDER BRACKET	1
17	050603	SWITCH TOGGLE, ON/OFF 12VDC	1
18	053211	SEAT PROP	1
19	061374	SWITCH, FOR 069874 SEAT - NORMALLY OPEN	1
20	064386	METER, TACH/HOUR INDUCTIVE, F/EFI	1
21	066255	MANUAL TUBE	1
22	067279	CLAMP, LOOP VIB. DAMPENING 2" ID	1
23	068956	SWITCH, MOMENTARY	1
24	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	1
25	069850	USB RECEPTACLE 12VDC	1
26	069874	SEAT, RIDER	1
27	071120	METAL CUP HOLDER FOR RIDE-ON TROWELS	1
28	071122	RUBBER TRIM CUT F/ CUP HOLDER	1.92 FT
29	073481	FRONT PANEL ASSEMBLY MP215	1
30	073948	LIGHT, RED LED	1
31	074332	WELDMENT, SEAT FRAME MP215	1

SECTION 1 PARTS

Power Unit Assembly (073470)





SECTION 1 PARTS

Power Unit Assembly (073470) Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	010035	FASTENER, HHCS 3/8-16 X 3/4	2
2	010039	FASTENER, HHCS 3/8-16 X 1 3/4	4
3	010082	FASTENER, FW 5/16	2
4	010091	FASTENER, LW 3/8	2
5	010092	FASTENER, LW 7/16	1
6	010096	FASTENER, FW 7/16	1
7	010100	FASTENER, HEX NUT 5/16-18	2
8	010464	FASTENER, HEX NUT NYLOK 3/8-16	4
9	012612	FASTENER, HEX NUT NYLOCK 5/16-18	2
10	017751	FASTENER, FW 3/8	10
11	017898	FASTENER, HHCS 7/16-20 X 1-1/2	4
12	019430	FASTENER, CLAMP SIZE 4 MINI	2
13	020514	FASTENER, HEX NUT STOVER LOCK 3/8-16	2
14	032106	FASTENER, WING NUT 5/16-18	2
15	032875	FASTENER, HHCS 3/8-16 X 1-1/4	2
16	033638	BRACKET, CLUTCH GUARD	1
17	039136	BEARING, 1" FLANGED 2 BOLT ECCENTRIC COLLAR	2
18	039155	HOSE, 1/4" FUEL	3FT
19	042280	FASTENER, HHCS 7/16-20 X 4-1/2	1
20	043394	TAPE, HIGH TEMP X 3" WIDE	1
21	047273	CUSHION F/ BATTERY STRAP	1
22	047477	FASTENER, HEX NUT 7/16-20 STOVER	4
23	047697	TERMINAL INSULATOR 3/8" STUD	1
24	047715	ROD, 5/16-18 BATTERY RETAINER 8-5/8"	2
25	048932	BAR, BATTERY HOLD DOWN	1
26	050070	SHAFT, DRIVE 17-1/2" F/ LOCK BEARING	1
27	051332	BELT, CVT	1
28	051980	HOSE, DRAIN F/ HONDA GX 690/700	1
29	051981	MUFFLER, HONDA GX700	1
30	053136	CVT COVER	1
31	053193	SPACER, BEARING, 1 3/8"	1
32	053194	SPACER, BEARING, 4 3/4"	1
33	053210	KEY, 3/16 X 1/4 X 2	1
34	053327	PULLEY, DRIVER CVT	1
35	053389	PULLEY, DRIVEN	1
36	053465	BEARING SUPPORT	1
37	055617	SPACER F/ CLUTCH, MP215, 235, 315	1

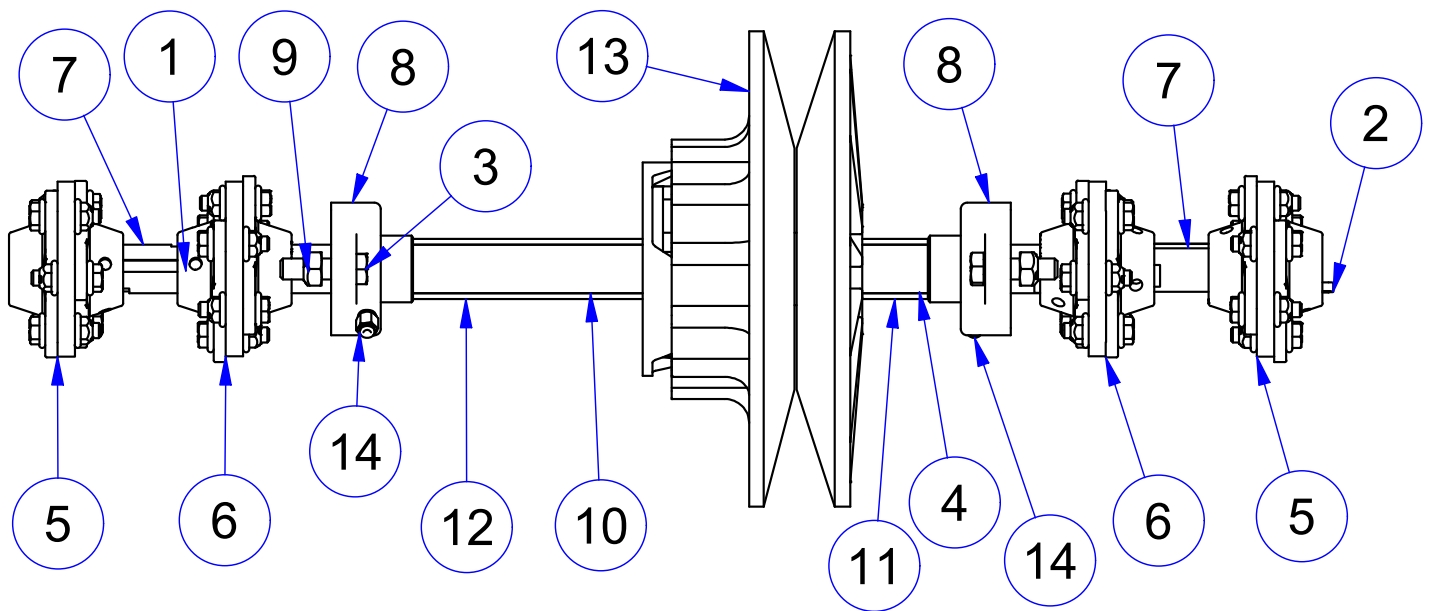
Power Unit Assembly (073470) Parts List Continued

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
38	056470	BUSHING, NITRILE	2
39	056724	CABLE, BATTERY 17" LONG NEGATIVE	1
40	056938	HEAT WRAP, 14" X 20"	1
41	064832	FILTER, AIR F/ HONDA GX	1
42	064833	FILTER, FUEL F/ HONDA GX700	1
43	065694	FASTENER, HHCS 7/16-14x1	2
44	073485	ENGINE, HONDA IGX700 LESS CONTROL PANEL	1
45	073817	FITTING, STRAIGHT PUSH-IN FOR 4MM TUBING 1/8 NPT	2
46	074302	ENGINE PLATE WELDMENT MP215	1
47	081251	FILTER, OIL F/ GX700	1
48	BF0100	CABLE, BATTERY 36" LONG POSITIVE	1
49	BT0100	BATTERY 340 CCA	1

SECTION 1 PARTS

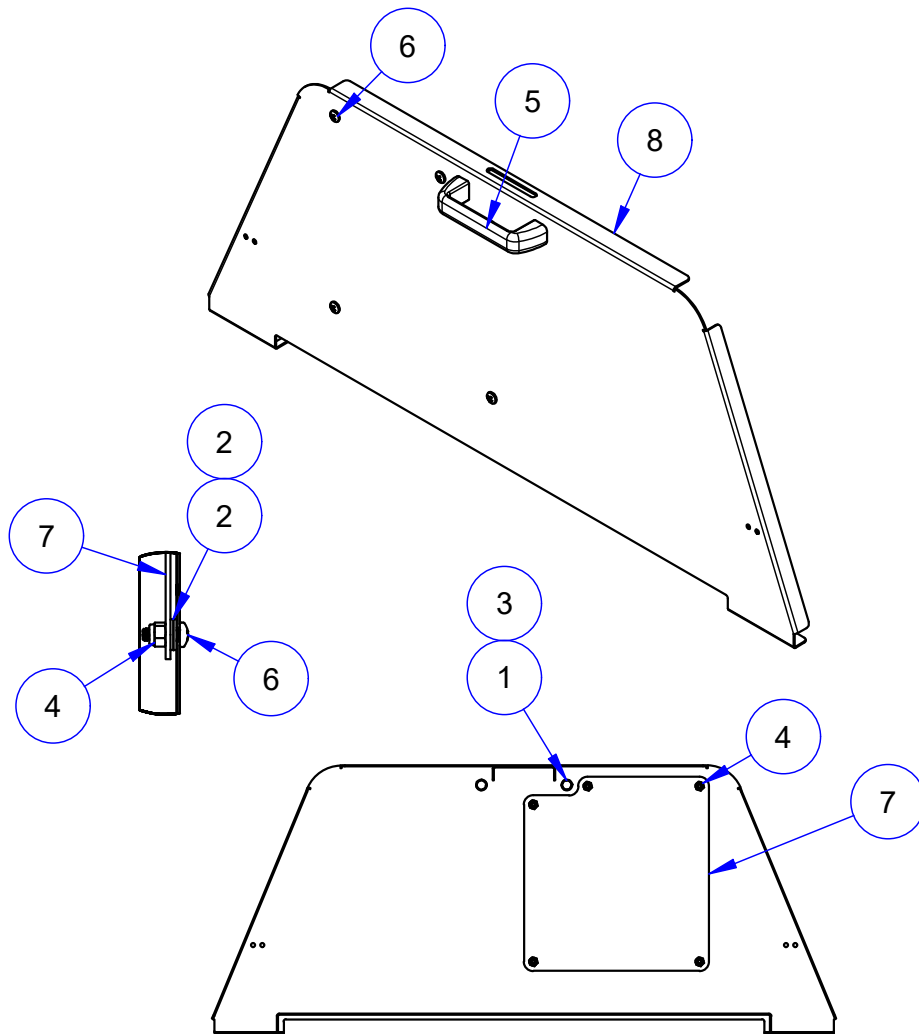
Drive Line Assembly



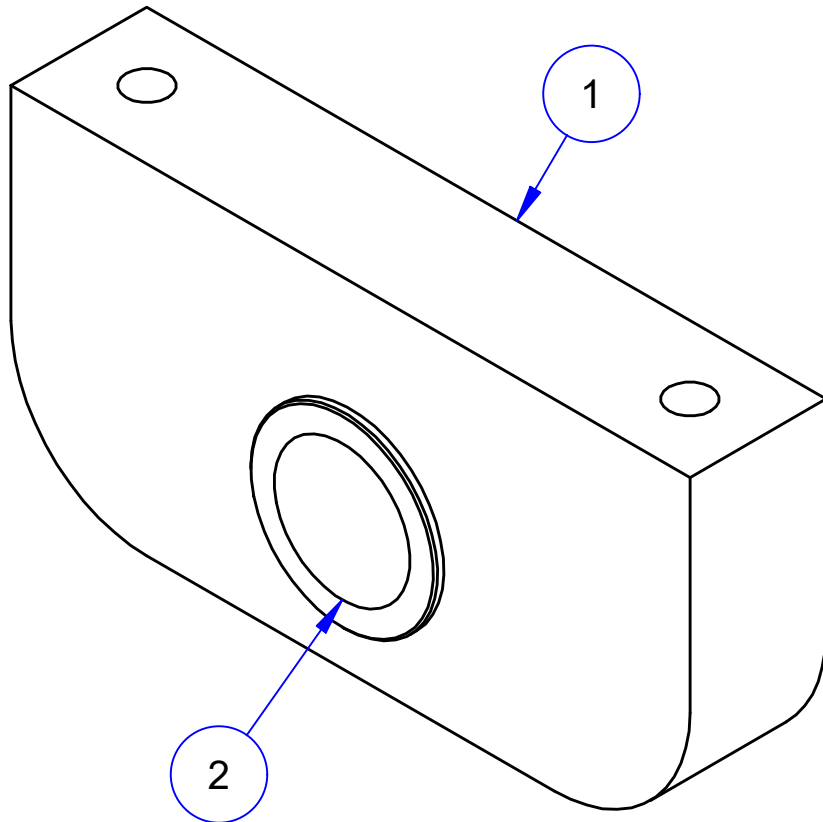
ITEM	PART NO.	DESCRIPTION	QTY
1	011791	KEY, 1/4" SQ X 1"	6
2	015813	KEY, 3/16" SQ X 1"	2
3	017898	FASTENER, HHCS 7/16"-20 X 1-1/2"	4
4	024820	KEY, FOR DRIVEN PULLEY, 1/4" SQ X 4"	1
5	024967	COUPLER, Ø3/4" X Ø1"	2
6	024968	COUPLER, Ø1" X Ø1"	2
7	024971	SHAFT, DRIVE END 3-1/8"	2
8	039136	1" FLANGED TWO BOLT BEARING	2
9	047477	FASTENER, STOVER NUT, 7/16"-20	4
10	050070	SHAFT, DRIVE 17-1/2"	1
11	053193	SPACER, BEARING, 1-3/8"	1
12	053194	SPACER, BEARING, 4-3/4"	1
13	053389	DRIVEN PULLEY	1
14	073817	FITTING, STRAIGHT PUSH IN 4MM TUBING 1/8" NPT	2

SECTION 1 PARTS

Front Screen Assembly (073481)



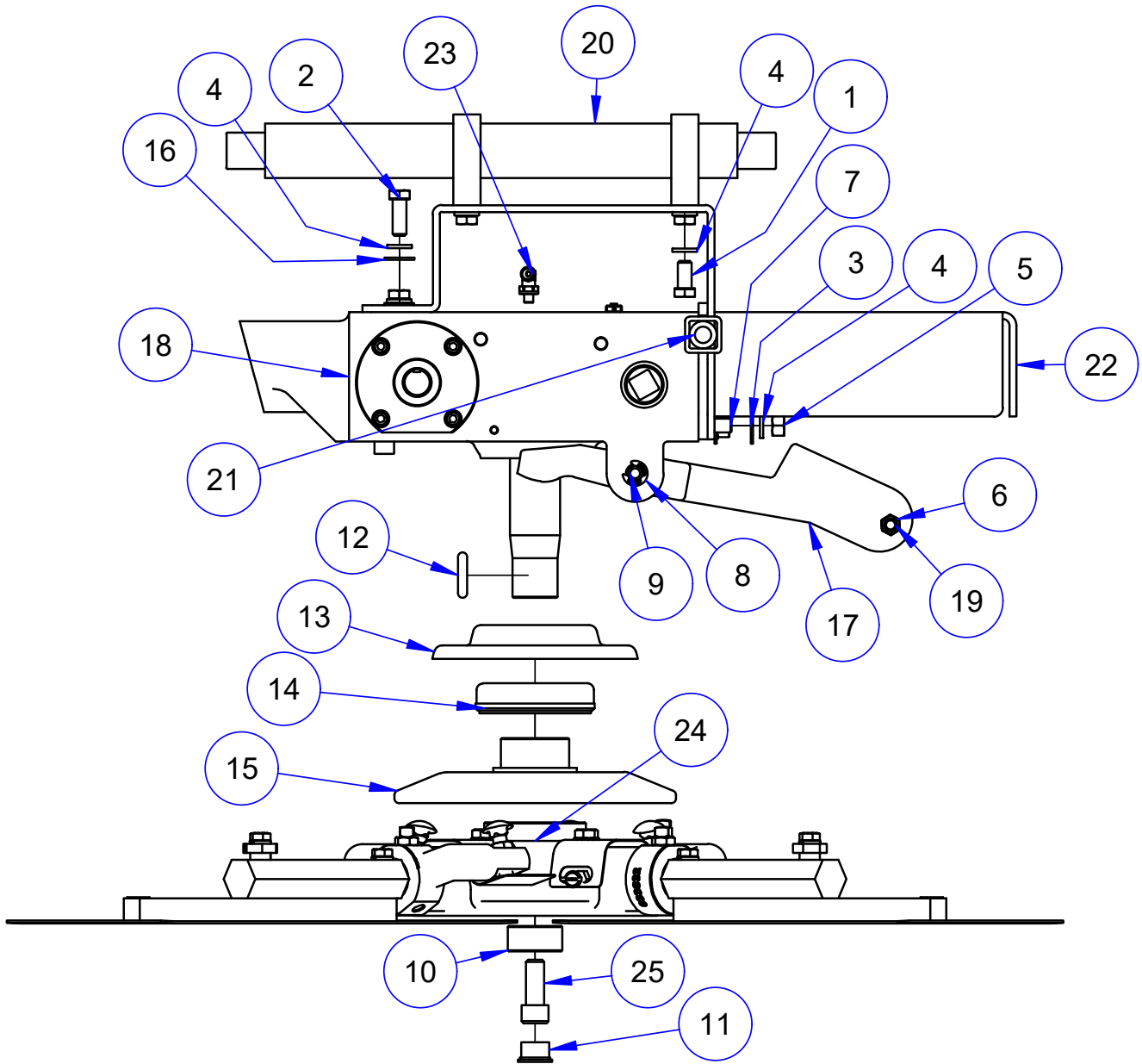
ITEM	PART NO.	DESCRIPTION	QTY
1	010018	FASTENER, HHCS 5/16 -18 X 1/2	2
2	010081	FASTENER, FW 1/4	10
3	010090	FASTENER, LW 5/16	2
4	029671	FASTENER, HEX NUT 1/4-20 NYLOCK	5
5	048678	HANDLE, LOAD RATED NYLON	1
6	069737	FASTENER, SCREW PAN HEAD 1/4-20 X 3/4	5
7	073408	PLATE, HEAT SHIELD FOR FRONT COVER	1
8	073480	WELDMENT, FRONT SCREEN FOR MP215	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

Left Hand Rotor Assembly (053103)



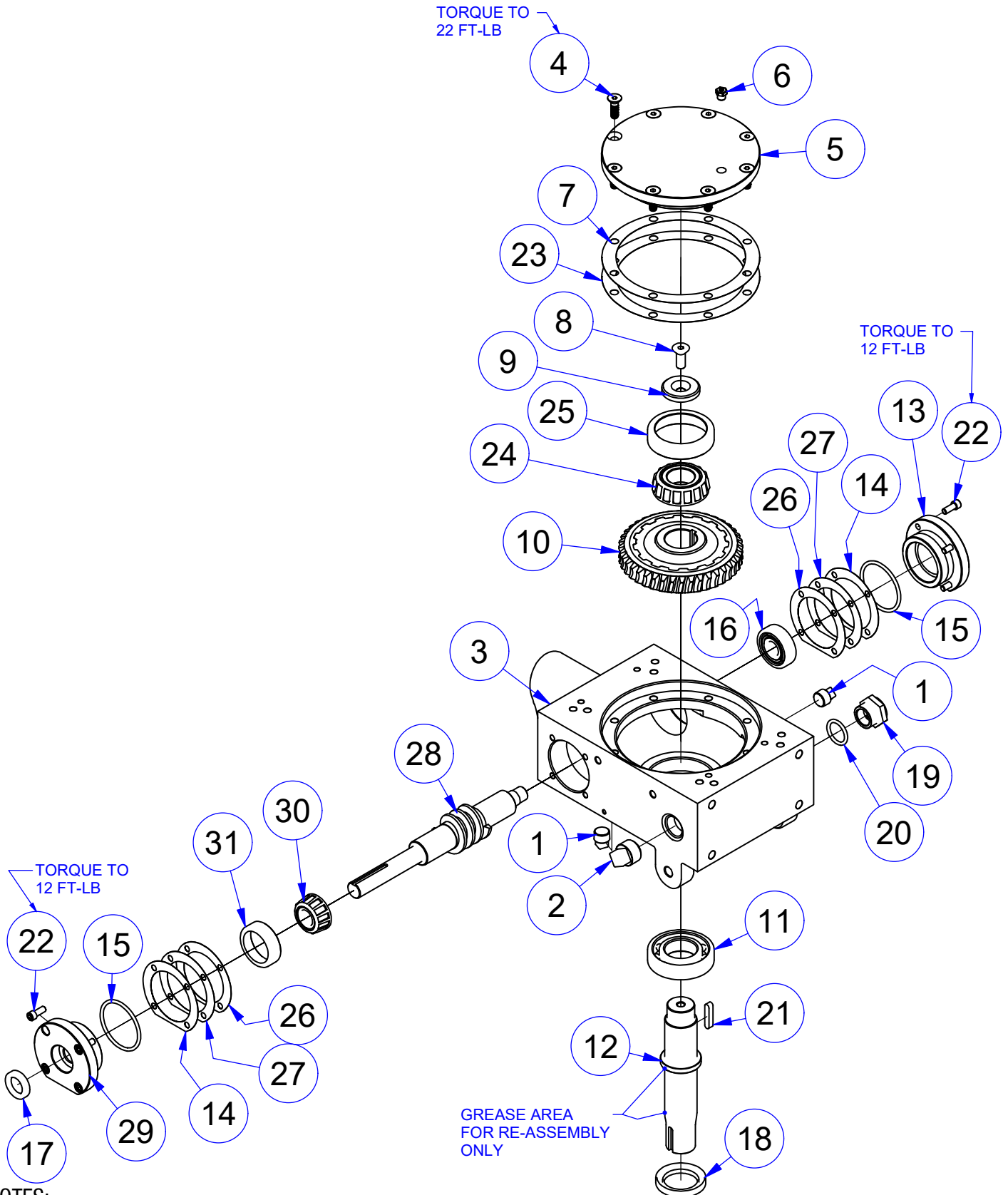
LH Rotor Assembly (053103) Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010035	FASTENER, HHCS 3/8-16 X 3/4	4
2	010036	FASTENER, HHCS 3/8-16 X 1	2
3	010083	FASTENER, FW 3/8	4
4	010091	FASTENER, LW 3/8	10
5	010102	FASTENER, HEX NUT 3/8-16	4
6	012612	FASTENER, HEX NUT NYLOCK 5/16-18	1
7	015674	FASTENER, STUD BOLT 3/8-16 X 1-3/4	4
8	015677	RING, Ø7/16 E-STYLE RETAINING	2
9	015678	PIN, YOKE ARM	1
10	015690	WASHER, RETAINING FOR TROWELS	1
11	015693	PLUG, PLASTIC CAP	1
12	015696	KEY, 0.25 X 1.25 LG HARD RAD	1
13	015821	CAP, PRESSURE PLATE	1
14	015822	THRUST BEARING	1
15	015824	PRESSURE PLATE, PRO RIDER/WALKER	1
16	017751	FASTENER, FW 3/8	2
17	026215	YOKE, ARM	1
18	026442	GEARBOX, STD LH (SOM)	1
19	026504	FASTENER, SHLDR BOLT 5/16-18 X 1/2 X Ø3/8 X 1-1/4	1
20	050022	CROSSHEAD, 2-WAY	1
21	053109	WELDMENT, STEERING ARM	1
22	069473	WELDMENT, HOUSING FOR GEARBOX	1
23	074094	FITTING, 90 DEGREE 4MM TUBE X 1/4-28 SWIVEL	1
24	079262	ASSEMBLY, SPIDER LH MP215 AND 245	1
25	079363	FASTENER, SHCS 1/2-13 X 1-1/4 RH	1

SECTION 1 PARTS

Left Hand Gearbox Assembly (026442)



NOTES:

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

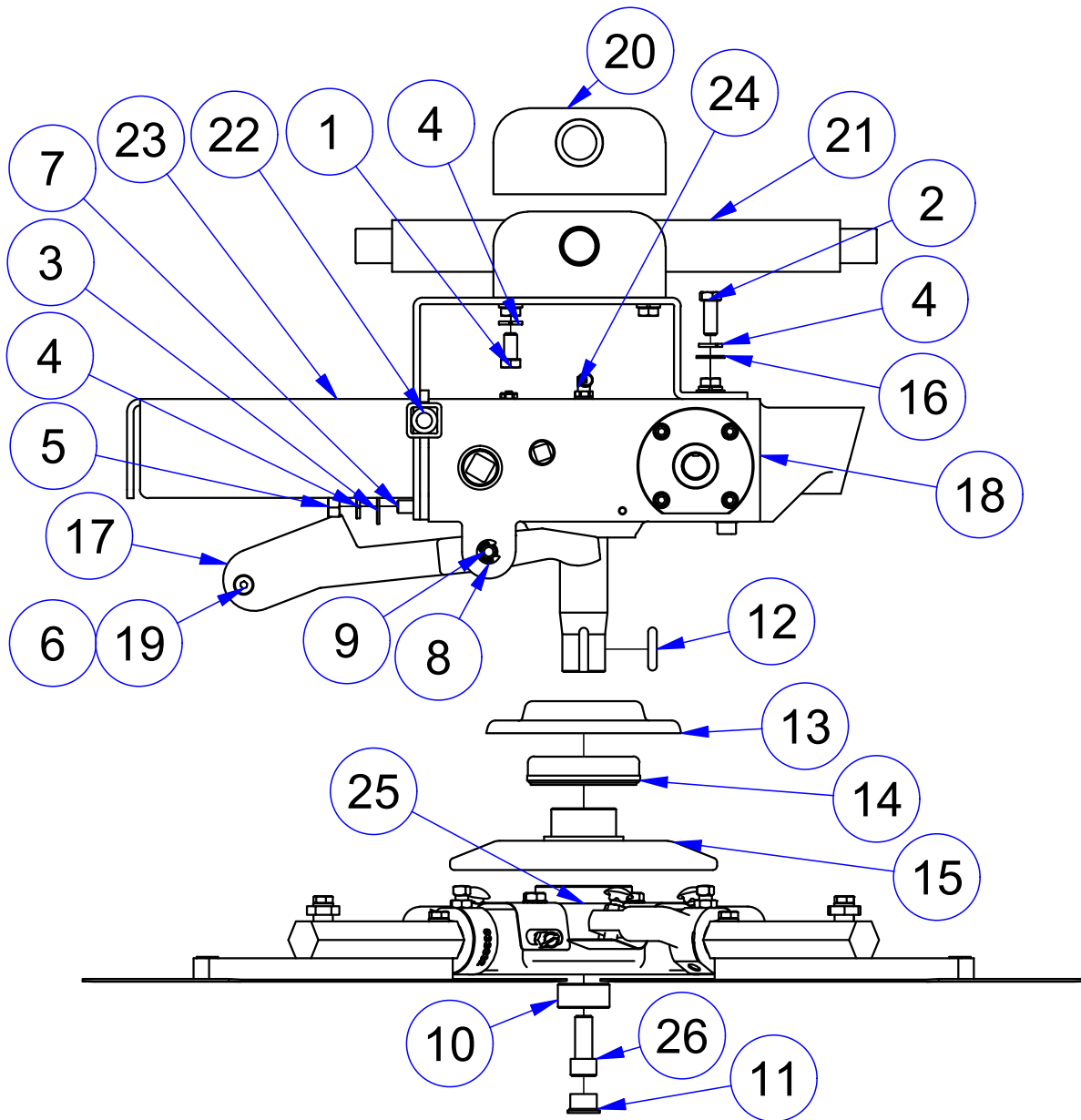
LH Gearbox Assembly (026442) Parts List

SECTION 1 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	026442	ASSEMBLY, LH GEARBOX (SOM)	-
-	-	OIL, GEARBOX KLUBER GH-460	0.757 GAL
1	010498	PLUG, 3/8" NPT	2
2	012953	PLUG, 3/4" NPT	1
3	015204	GEARBOX, MACHINED FINISHED	1
4	015205	FASTENER, FHSS 5/16"-18 X 1"	8
5	015208	COVER, FOR GEAR BOX	1
6	015209	RELIEF VALVE, 1/8"-27 NPT	
7	015210	GASKET, 0.005" THICK FOR TOP COVER	AS REQ.
8	015212	FASTENER, FHSS 3/8"-16 X 1" LH THREAD	1
9	015213	PRESSURE WASHER	1
10	015216	GEAR, BRONZE RH	1
11	015217	BEARING, RADIAL BALL	1
12	015219	SHAFT, MAIN	1
13	015221	CAP, GEARBOX END FLANGE	1
14	015222	GASKET, 0.005" THICK FOR END FLANGE	AS REQ.
15	015660	O-RING, FOR GEARBOX END CAPS	2
16	015663	BEARING, ANGLED CONTACT	1
17	015670	SEAL, OIL CR#7455V	1
18	015671	SEAL, OIL CR#13661	1
19	015672	GAUGE, 3/4"-14 NPT PORTHOLE VIEW	1
20	015673	O-RING, 15/16" X 1-3/16" X 1/8 BUNA	1
21	015696	KEY, 1/4" X 1-1/8"	1
22	017314	FASTENER, SHCS 1/4"-20 X 5/8"	8
23	020018	GASKET, 0.003" FOR TOP COVER	AS REQ.
24	022073	BEARING, TAPER ROLLER	1
25	022074	BEARING RACE	1
26	022185	GASKET, 0.002" FOR END CAP FLANGE	AS REQ
27	022186	GASKET, 0.003" FOR END CAP FLANGE	AS REQ
28	026740	SHAFT, INPUT RH	1
29	044601	FLANGE, GEARBOX	1
30	044603	BEARING, TAPER ROLLER	1
31	044604	BEARING RACE	1

SECTION 1 PARTS

Right Hand Rotor Assembly (053102)



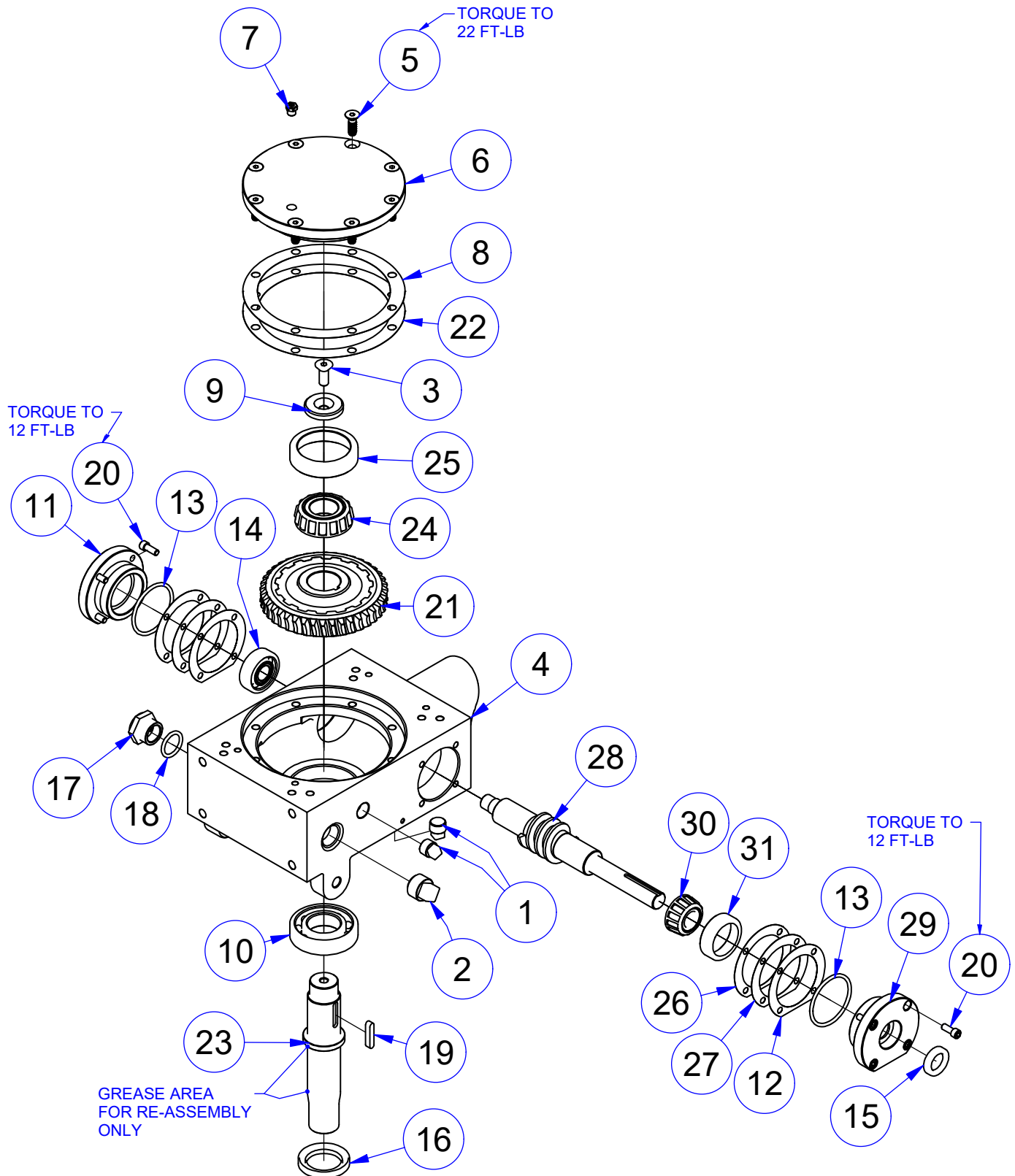
Right Hand Rotor Assembly (053102) Parts List

SECTION 1 PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010035	FASTENER, HHCS 3/8-16 X 3/4	4
2	010036	FASTENER, HHCS 3/8-16 X 1	2
3	010083	FASTENER, FW 3/8	4
4	010091	FASTENER, LW 3/8	10
5	010102	FASTENER, HEX NUT 3/8-16	4
6	012612	FASTENER, HEX NUT NYLOCK 5/16-18	1
7	015674	FASTENER, STUD BOLT 3/8-16 X 1-3/4	4
8	015677	RING, Ø7/16 E-STYLE RETAINING	2
9	015678	PIN, YOKE ARM	1
10	015690	WASHER, RETAINING FOR TROWELS	1
11	015693	PLUG, PLASTIC CAP	1
12	015696	KEY, 0.25 X 1.25 LG HARD RAD	1
13	015821	CAP, PRESSURE PLATE	1
14	015822	THRUST BEARING	1
15	015824	PLATE, PRESSURE PRO RIDER	1
16	017751	FASTENER, FW 3/8	2
17	026215	YOKE, ARM	1
18	026443	GEARBOX, STD RH (SOM)	1
19	026504	FASTENER, SHLDR BOLT 5/16-18 X 1/2 X Ø3/8 X 1-1/4	1
20	048561	ASSEMBLY, BEARING BLOCK F/ ROTOR MOUNT	2
21	050020	CROSSHEAD, 4-WAY	1
22	053109	WELDMENT, STEERING ARM	1
23	069473	WELDMENT, HOUSING FOR GEARBOX	1
24	074094	FITTING, 90 DEGREE 4MM TUBE X 1/4-28 SWIVEL	1
25	079263	ASSEMBLY, SPIDER RH MP215 AND 245	1
26	079364	FASTENER, SHCS 1/2-13 X 1-1/4 LH	1

SECTION 1 PARTS

Right Hand Gearbox Assembly (026443)



NOTES:

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

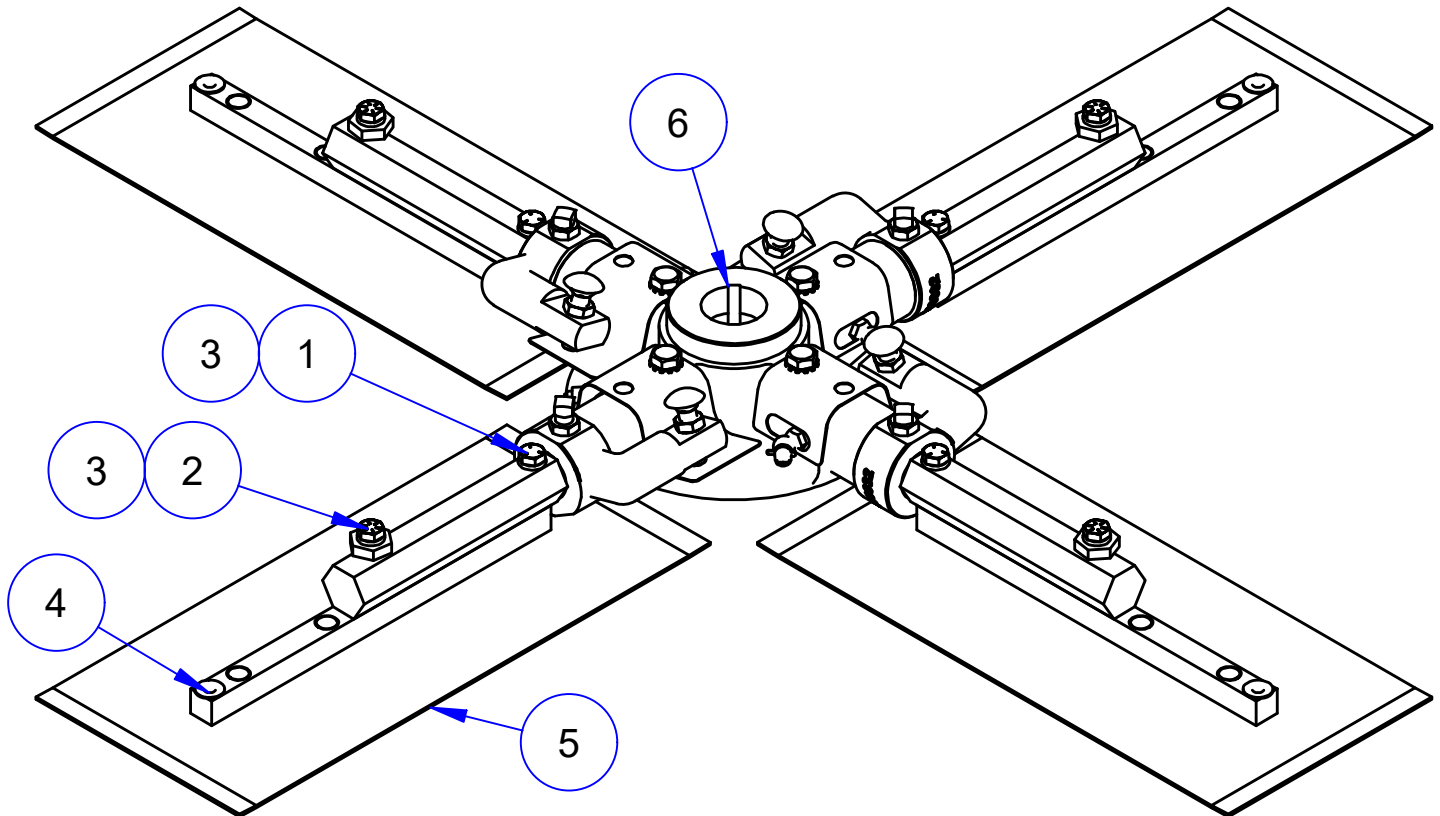
RH Gearbox Assembly (026443) Parts List

SECTION 1 PARTS

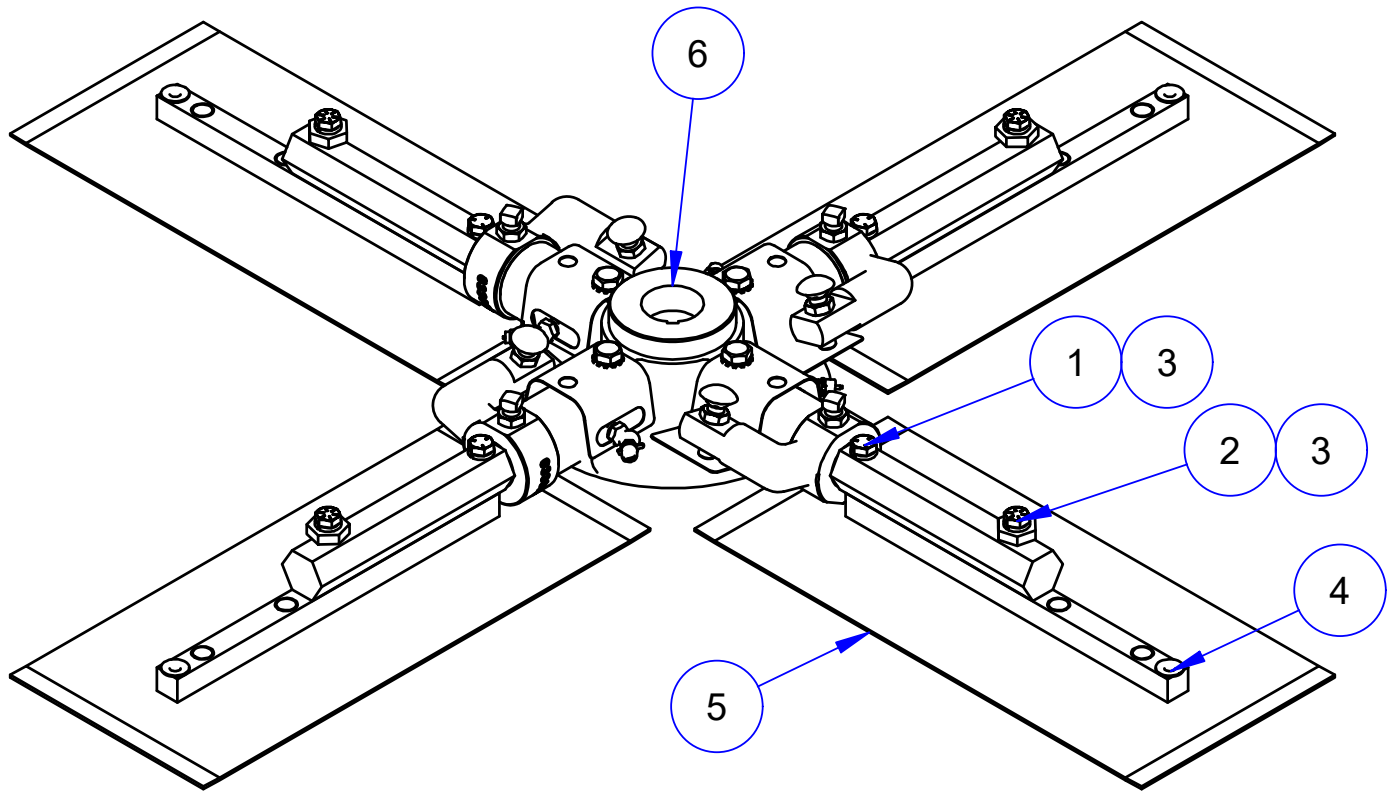
ITEM	PART #	DESCRIPTION	QTY
-	026443	ASSEMBLY, RH GEARBOX (SOM)	-
-	-	OIL, GEARBOX KLUBER GH-460	0.757 GAL
1	010498	PLUG, 3/8" NPT	2
2	012953	PLUG, 3/4" NPT	1
3	013746	FASTENER, FHSS 3/8"-16 X 1"	1
4	015204	GEARBOX, MACHINED FINISHED	1
5	015205	FASTENER, FHSS 5/16"-18 X 1"	8
6	015208	COVER, FOR GEAR BOX	1
7	015209	RELIEF VALVE, 1/8"-27 NPT	
8	015210	GASKET, 0.005" THICK FOR TOP COVER	AS REQ.
9	015213	PRESSURE WASHER	1
10	015217	BEARING, RADIAL BALL	1
11	015221	CAP, GEARBOX END FLANGE	1
12	015222	GASKET, 0.005" THICK FOR END FLANGE	AS REQ.
13	015660	O-RING, FOR GEARBOX END CAPS	2
14	015663	BEARING, ANGLED CONTACT	1
15	015670	SEAL, OIL CR#7455V	1
16	015671	SEAL, OIL CR#13661	1
17	015672	GAUGE, 3/4"-14 NPT PORTHOLE VIEW	1
18	015673	O-RING, 15/16" X 1-3/16" X 1/8 BUNA	1
19	015696	KEY, 1/4" X 1-1/8"	1
20	017314	FASTENER, SHCS 1/4"-20 X 5/8"	8
21	018924	GEAR, BRONZE LH	1
22	020018	GASKET, 0.003" FOR TOP COVER	AS REQ.
23	020120	SHAFT, MAIN	1
24	022073	BEARING, TAPER ROLLER	1
25	022074	BEARING RACE	1
26	022185	GASKET, 0.002" FOR END CAP FLANGE	AS REQ
27	022186	GASKET, 0.003" FOR END CAP FLANGE	AS REQ
28	026741	SHAFT, INPUT LH	1
29	044601	FLANGE, GEARBOX	1
30	044603	BEARING, TAPER ROLLER	1
31	044604	BEARING RACE	1

SECTION 1 PARTS

Left Hand Spider Assembly (079262)



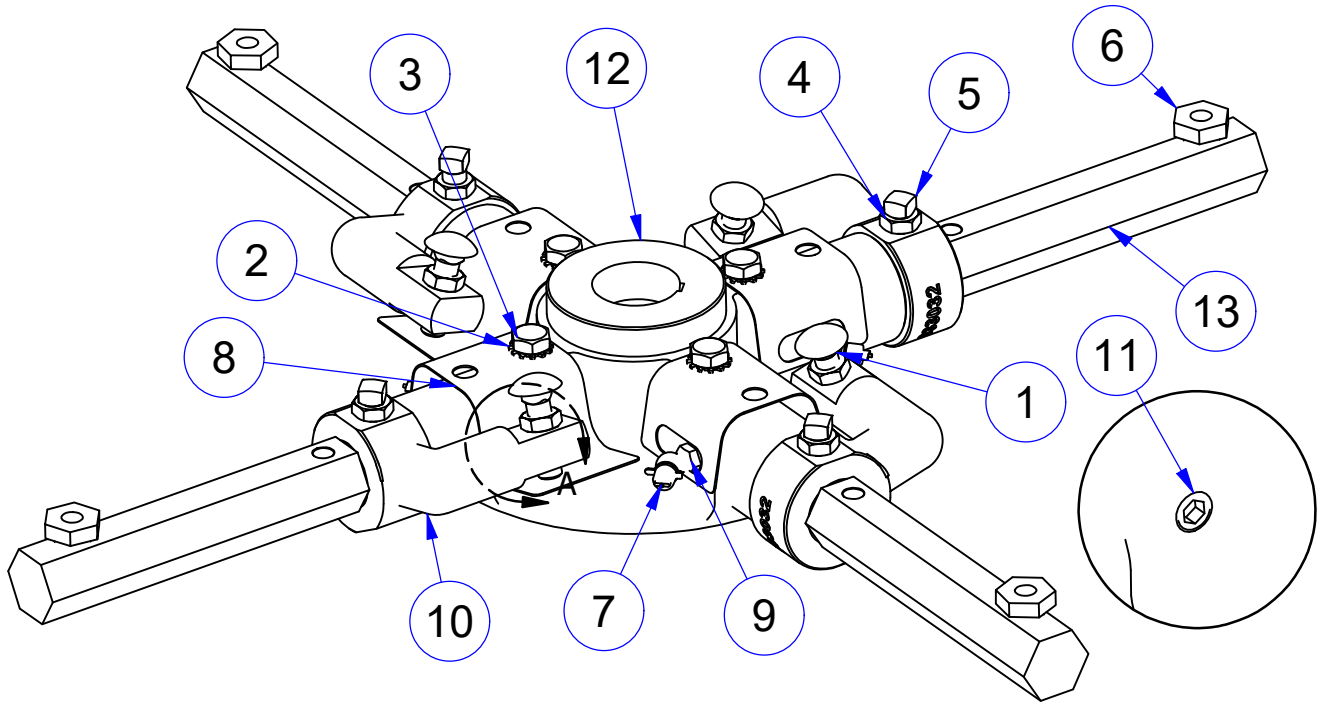
ITEM	PART NO.	DESCRIPTION	QTY
1	010023	FASTENER, HHCS 5/16-18 X 1-3/4	4
2	010024	FASTENER, HHCS 5/16-18 X 2	4
3	010090	FASTENER, LW 5/16	8
4	015694	PLUG, PLASTIC TAPERED	4
5	015890V	TROWEL BLADE, FINISH 6 X 14	4
6	015893	ASSEMBLY, SPIDER BOSS LH-SOM	1



ITEM	PART NO.	DESCRIPTION	QTY
1	010023	FASTENER, HHCS 5/16-18 X 1-3/4	4
2	010024	FASTENER, HHCS 5/16-18 X 2	4
3	010090	FASTENER, LW 5/16	8
4	015694	PLUG, PLASTIC TAPERED	4
5	015890V	TROWEL BLADE, FINISH 6 X 14	4
6	024813	ASSEMBLY, SPIDER BOSS RH-SOM	1

SECTION 1 PARTS

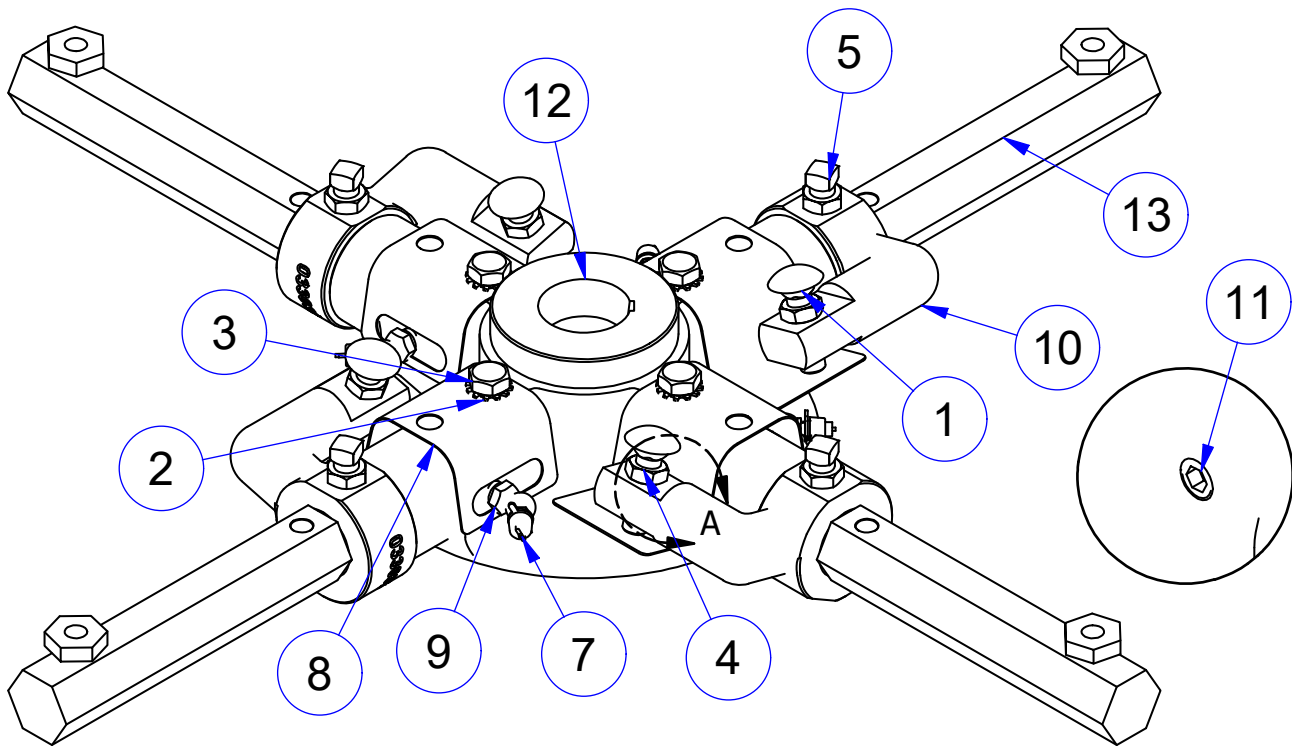
Left Hand Spider Boss Assembly (015893)



ITEM	PART NO.	DESCRIPTION	QTY
1	012990	FASTENER, CARRIAGE BOLT 3/8"-16 X 1-1/4"	4
2	015682	FASTENER, EXT STAR LOCK WASHER 3/8"	4
3	015683	FASTENER, HHCS 3/8"-16 X 7/8"	4
4	015684	FASTENER, JAM HEX NUT 3/8-16	8
5	015686	FASTENER, SQHSS 3/8"-16 X 1"	4
6	015688	FASTENER, 9/16"-18 NF ADJ/MACH SCREW	4
7	015692	RED GREASE CAP DIA. 1/4"	4
8	016920	SPRING CLIP	4
9	024755	FITTING, GREASE 1/8"-27 45°	4
10	033032	LIFT LEVER, 1"	4
11	050963	PLUG, 1/8"	4
12	064221P	SPIDER, FOUR BOSS	1
13	069910	TROWEL ARM	4

Right Hand Spider Boss Assembly (024813)

SECTION 1 PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	012990	FASTENER, CARRIAGE BOLT 3/8"-16 X 1-1/4"	4
2	015682	FASTENER, EXT STAR LOCK WASHER 3/8"	4
3	015683	FASTENER, HHCS 3/8"-16 X 7/8"	4
4	015684	FASTENER, JAM HEX NUT 3/8"-16	8
5	015686	FASTENER, SQHSS 3/8"-16 X 1"	4
6	015688	FASTENER, 9/16"-18 NF ADJ/MACH SCREW	4
7	015692	RED GREASE CAP DIA. 1/4"	4
8	016920	SPRING CLIP	4
9	024755	FITTING, GREASE 1/8"-27 45°	4
10	033032	LIFT LEVER, 1"	4
11	050963	PLUG, 1/8"	4
12	064221P	SPIDER, FOUR BOSS	1
13	069910	TROWEL ARM	4

SECTION 1 PARTS

MP215 Engine (Honda) Service parts



Engine, GX700
AEC PN: 073485



Engine Oil 10W30 (1 QT)
AEC PN: 081250



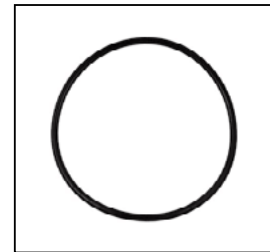
Spark Plug
AEC PN: 081288



Oil Filter
AEC PN: 081251



Element for Air Cleaner
AEC PN: 064832



Gasket for Air Cleaner
AEC PN: 081269



Fuel Filter
AEC PN: 064833



Muffler
AEC PN: 051981

SECTION 2: DECALS

SECTION 2 DECALS

Decals, MP215



ITEM	PART #	DESCRIPTION	QTY
-	074092	KIT, MP215 DECAL	1
1	032377	PITCH CONTROL TUBE	2
2	039893	CE MARKING	1
3	048299D	OIL, GEARBOX	2
4	056340	ALLEN OVAL 4" X 6.67"	1
5	065564	GREASE, GEARBOX	1
6	065653	LIFT HOOK	2
7	065655	RETARDANT ONLY	1
8	065656	PAN FALL	1
9	065657	OPERATOR'S MANUAL	1
10	065913	OIL, GEARBOX	1
11	065915	PPE	1
12	065916	HAND TOOL AREA	1
13	065917	PINCH POINTS	3
14	065918	LIGHTS	1
15	065919	12 VOLT DC/5 AMP MAX	1
16	066018	GAS ONLY	1
17	066171	TIE DOWN ONLY	4
18	067934	EPA LABEL	1
19	068457	PATENT PLACARD	1
20	069225	PROPOSITION 65	1
21	072966	CHECK ENGINE LIGHT	1
22	074011	PUSH TO START	1
23	074012	ENGINE ON/OFF	1
24	074086	GREASE PORT	1
25	074087	DRIVE LINE BEARINGS & GEARBOXES	1
26	075276	MADE IN AMERICA	1
27	075442	MP215 FRONT SCREEN	1
-	065946	MP215 SIDE PANEL	2
-	075179	QR CODE	1

Revision Detail

MANUAL REVISION DETAIL			
REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
	11/21	Initial Release	MK
A	01/22	Updated Covers	MK
B	06/22	Updated Trowel Arm PN	MK
C	2/24	24-064, 24-057	MK
D	1/25	PG 23, 25 Item 11 PN Correction	MK
E	1/25	Added GB Exploded View	MK
F	06/25	Added Honda ENG service parts pg.	MK
G	11/25	Updated Illustrations and Parts List, Corrected Honda Eng Service PNs	MK

Copyright © 2021 Allen Engineering Corporation
All rights reserved

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. No part of this manual may be reproduced or transmitted in any form or by any means, electronics or mechanical, for any purpose, without the express written permission of Allen Engineering Corporation (AEC). AEC assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual.

Allen Products are covered under one or more of the following patent numbers:
10,100,537; 9,068,301; 9,068,300; 8,360,680; 7,690,864; 7,114,876B1; 6,857,815B2; 6,582,153
With other Patents Pending.

Printed in U.S.A.



AEC FACTORY & HEADQUARTERS

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

MAILING

PO BOX 819
PARAGOULD, ARKANSAS 72451

ALLENENG.COM

CONNECT WITH US ON SOCIAL

