

RIDING TROWEL

HDX760



PARTS MANUAL

Manual Part #: 065550P | Revision: 10/2025
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.

HDX760 Riding Trowel

PARTS

MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
063000	HDX760 RIDING TROWEL

Copyright © 2017 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, electronic 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:

U.S. Design Patents: 344,736; 400,542; 400,544; 402,998; 402,999; 403,332; 404,041; 404,042; 410,931; 413,127; 416,564; 465,897; 466,909; 474,203.

U.S. Utility Patents: 5,108,220; 5,238,323; 5,328,295; 5,352,063; 5,405,216; 5,476,342; 5,480,257; 5,480,258; 5,533,831; 5,562,361; 5,567,075; 5,613,801; 5,658,089; 5,685,667; 5,803,658; 5,816,739; 5,816,740; 5,890,833; 5,934,823; 5,967,696; 5,988,938; 5,988,939; 6,019,433; 6,019,545; 6,048,130; 6,053,660; 6,089,786; 6,106,193; 6,857,815; 5,288,166; 6,582,153 B1, 7,108,449; 7,114,876; 7,316,523; 7,690,864 B2

Canadian Patents: 2,039,893.

First Issue: January 2017

Printed in U.S.A.

Table of Contents

Title	Page
Table of Contents	4
Limited Warranty	5
Information Contained in this Manual.....	6
Ordering Parts.....	7
Seat Frame Assembly Illustration (063003)	8
Main Frame Assembly Illustration (074601).....	12
Power Unit Assembly Illustration (076040)	16
RH (SOM) Rotor Assembly (064257) Illustration	20
LH (SOM) Rotor Assembly (064258) Illustration	24
Bearing Block Assembly (064260)	28
LH Spider Assembly Illustration (079268)	30
RH Spider Assembly Illustration (079269)	31
LH Spider Illustration (049538)	32
RH Spider Illustration (049539).....	33
Service Parts, Filters for Hydraulics	34
Service Parts, Filters for Engine.....	35
Electric Schematic Illustration	36
Hydraulic Schematic Illustration	38

Limited Warranty

Allen Engineering Corporation ("Allen") warrants its products to be free of defects in material or workmanship for:

TWO YEARS FROM END USER'S DATE OF PURCHASE

Warranty period begins on the date of purchase by the End User of the product. All warranty is based on the following limited warranty terms and conditions, including the disclaimer of implied warranties and consequential damages.

1. Allen's obligation and liability under this warranty is limited to repairing or replacing parts if, after Allen's inspection, there is determined to be a defect in material or workmanship. Allen reserves the choice to repair or replace.
2. If Allen chooses to replace the part, it will be at no cost to the customer and will be made available to the Allen Distributor, Dealer, or Rental Center from whom the End User purchased the product.
3. Replacement or repair parts, installed in the product, are warranted only for the remainder of warranty period of the product as though they were the original parts.
4. Allen does not warranty engines or batteries. Engine warranty claims should be made directly to an authorized factory service center for the particular engine manufacturer. Batteries are not warranted due to unknown treatment during transport, etc, and any battery claims should be directed to the battery manufacturer.
5. Allen's warranty does not cover the normal maintenance of products or its components (such as engine tuneups and oil & filter changes). The warranty also does not cover normal wear and tear items (such as belts and consumables).
6. Allen's warranty will be void if it is determined that the defect resulted from operator abuse, failure to perform normal maintenance on the product, modification to product, alterations or repairs made to the product without the written approval of Allen. Allen specifically excludes from warranty any damage to any trowels resulting from an impact to the rotors.
7. Impact damage to gear boxes is not covered under the Allen warranty and is deemed customer abuse.
8. Allen will pay shop labor on warranty items at the Allen Shop Labor Rate in existence on the date of the warranty claim. An Allen labor chart will determine the time allowed to complete a repair and will govern the shop labor hours that will be allowed.
9. Allen will pay freight on warranty replacement parts at worldwide standard ground rates. No warranty replacement parts will be shipped air freight at the expense of Allen. Allen only pays outbound freight charges when sending warranty replacement parts to the customer via ground service. Allen does not pay any inbound freight. However, if Allen determines this to be a warranted item, only then will Allen reimburse the customer for inbound freight at standard ground rates.
10. ALLEN ENGINEERING CORPORATION'S WARRANTY POLICY WILL NOT COVER THE FOLLOWING: TAXES; SHOP SUPPLIES; ENVIRONMENTAL SURCHARGES; AIR FREIGHT; TRAVEL TIME; LOSS OF TIME; INCONVENIENCE; LOSS OF RENTAL REVENUE; RENTAL COSTS OF EQUIPMENT USED TO REPLACE THE PRODUCT BEING REPAIRED; LOSS OF USE OF THE PRODUCT; COMMERCIAL LOSS; OR ANY OTHER CHARGES WHATSOEVER OR ANY LIABILITIES FOR DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE OR DELAY.
11. ALLEN ENGINEERING CORPORATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THIS LIMITED WARRANTY IS IN LIEU OF THE WARRANTY OF MERCHANTABILITY AND FITNESS. THERE ARE NO OTHER WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THIS DOCUMENT.
12. No Allen employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of Allen Engineering Corporation.

Information Contained in this Manual



This manual provides information and procedures to safely operate and maintain the Allen Machine.

For your own safety and protection from personal injury, carefully read, understand, and observe the safety instructions described in this manual. Keep this manual or a copy of it with the machine at all times.

Always operate this machine in accordance with the instructions described in this manual. A well maintained piece of equipment will provide many years of trouble free operation.

This manual is divided into the following sections:

PARTS

Complete any warranty requirements as specified by the engine manufacturer in their instructions found inside the manual box located on the operator's control panel.

Your engine is not manufactured by Allen Engineering Corporation, Inc, and therefore is not covered under Allen Engineering Corporation, Inc warranty.

Your engine manufacturer should be contacted if you wish to purchase a parts manual or a repair manual for your engine.

Refer to enclosed owners engine manual for complete O&M instructions. See your battery manufacturer for battery warranty.

Ordering Parts

Section 4 contains illustrated parts lists 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 - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number from the "PARTS" section of this manual.
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. DO NOT return parts to AEC without receiving written authorization from AEC. All authorized returns must be shipped pre-paid.
5. When placing an order, please contact the AEC dealer nearest you.



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.

VISIT US!!!



www.alleneng.com

LIKE US!!!



www.facebook.com/AllenEngineering

FOLLOW US!!!



[@alleneng](https://twitter.com/alleneng)

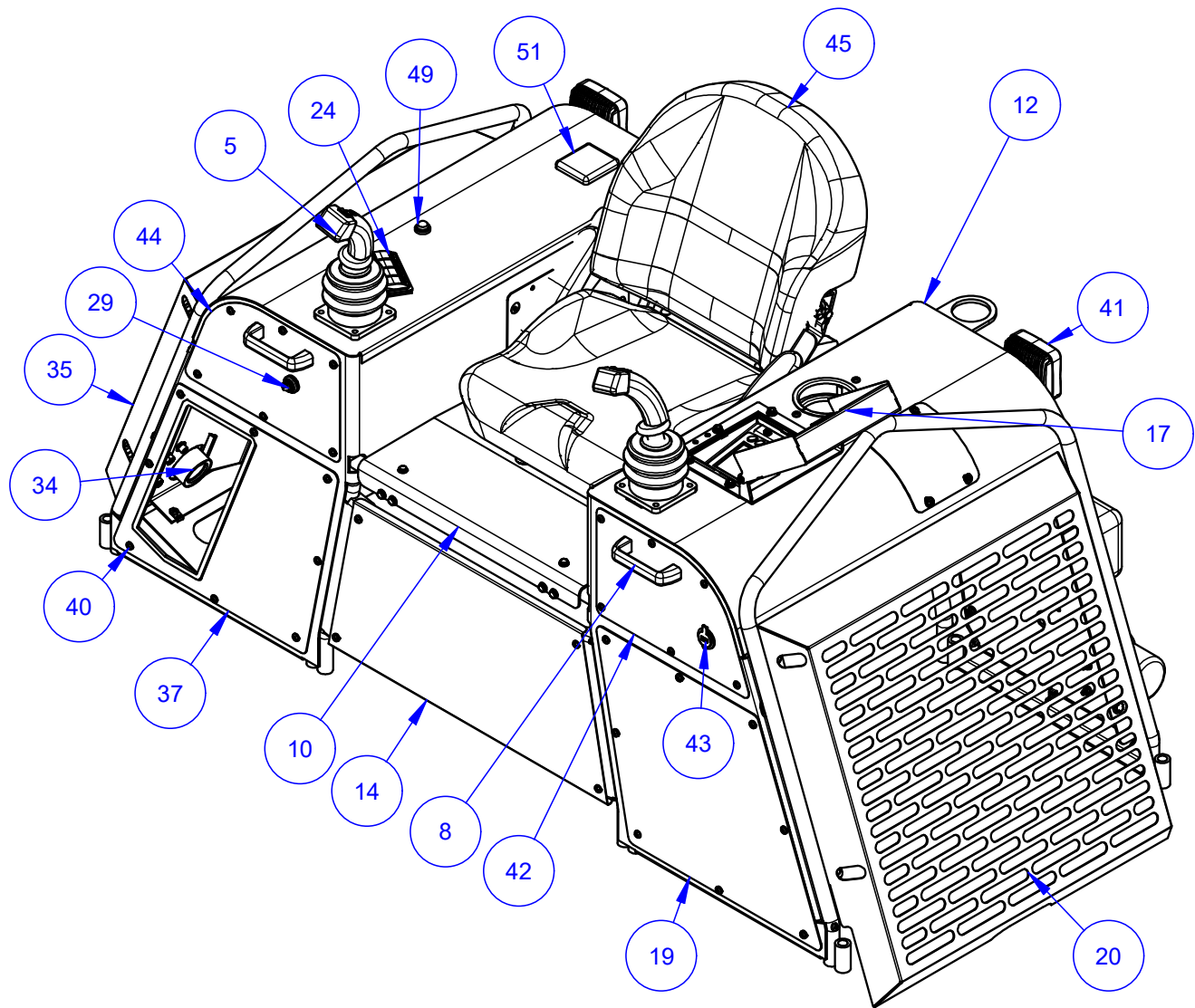
WATCH US!!!



www.youtube.com/AllenMachinery

PARTS

Seat Frame Assembly Illustration (063003)



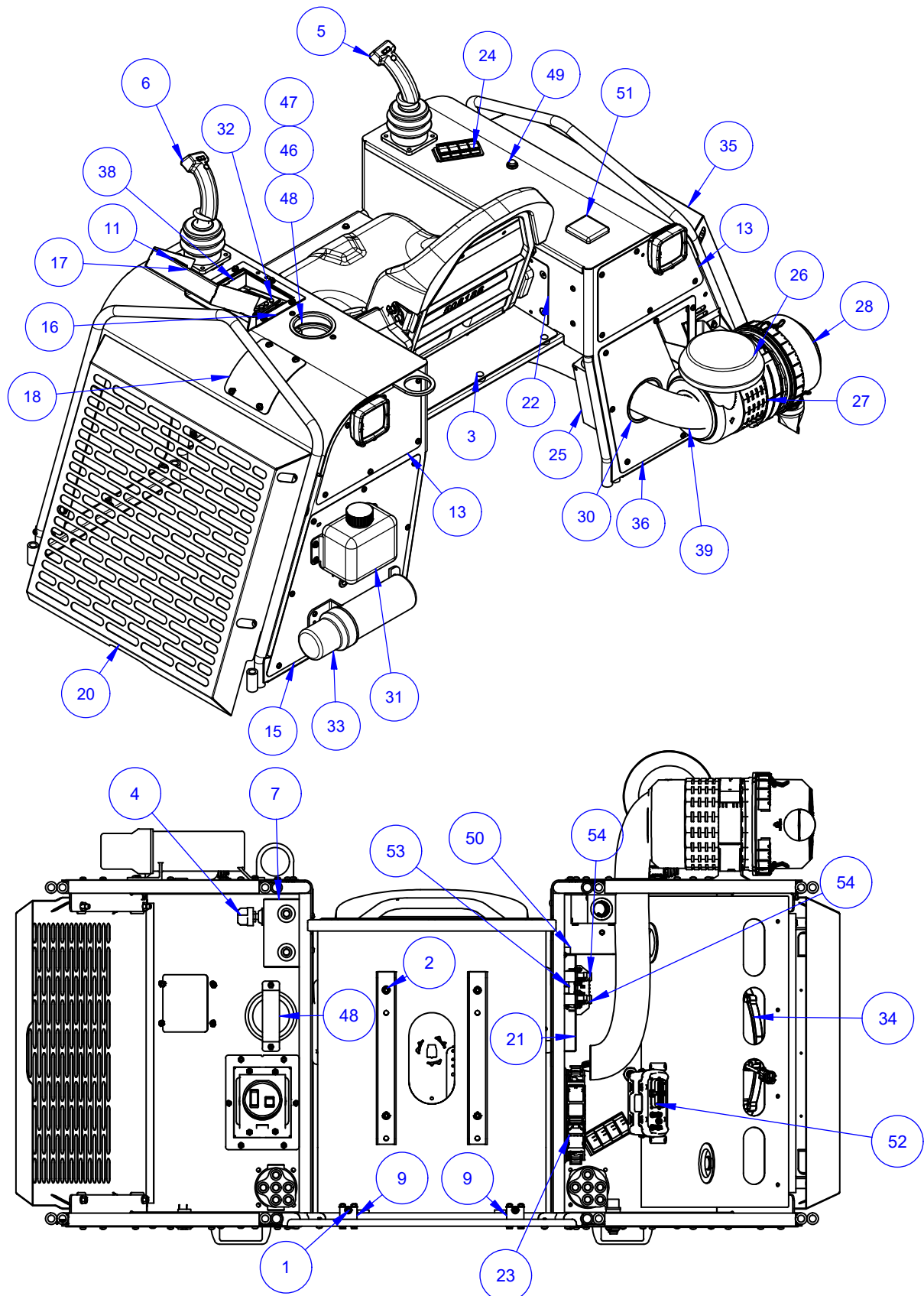
Seat Frame Assembly Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010007	FSTN, HHCS 1/4-20 X 26	6
2	010100	FSTN, HEX NUT 5/16-18	4
3	047665	RUBBER BUMPER	3
4	047886	CAP, FILLER BREATHER	1
5	048302	JOYSTICK, RH DUAL AXIS	1
6	048303	JOYSTICK, LH SINGLE AXIS	1
7	048595	VENT TANK	1
8	046678	HANDLE	2
9	049550	CONNECTOR, SEAT LID PIVOT	2
10	056224	SEAT LID	1
11	056920	MAGNETIC LATCH	1
12	064360	SEAT FRAME	1
13	064496	COVER, REAR TOP LH/RH	2
14	064509	COVER, FRONT CENTER	1
15	064516	COVER, BOTTOM REAR LH	1
16	064525	BRACKET, LH HINGE F/ ENG DISPLAY	1
17	064526	COVER, FOR ENG DISPLAY	1
18	064528	COVER, RADIATOR ACCESS POINT	1
19	064748	COVER, FRONT BOTTOM LH	1
20	064760	GUARD, SEAT FRAME LH END	1
21	065133	BRACKET, MOUNT F/ FUSE BOX	1
22	065134	COVER, FOR FUSE BOX	1
23	065139	CONTROLLER	1
24	065143	SWITCH, 4SWITCH BLOCK KIT	1
25	065144	MANIFOLD, HEADER	1
26	065188	CAP, FOR AIR CLEANER	1
27	065189	BAND, FOR AIR CLEANER	1
28	065190	AIR CLEANER	1
-	-	ELEMENT, SECONDARY (065855) PRIMARY (065856)	-
29	065191	KEY SWITCH FOR HATZ	1
30	065981	RUBBER TRIM	1.125FT
31	066028	COOLANT RECOVERY BOTTLE	1
32	066227	DISPLAY, PV380	1
33	066255	MANUAL TUBE	1
34	066911	OIL COOLER & SHROUD ASSEMBLY	1
35	066913	GUARD, SEAT FRAME RH END	1

PARTS

Seat Frame Assembly (cont'd) Illustration



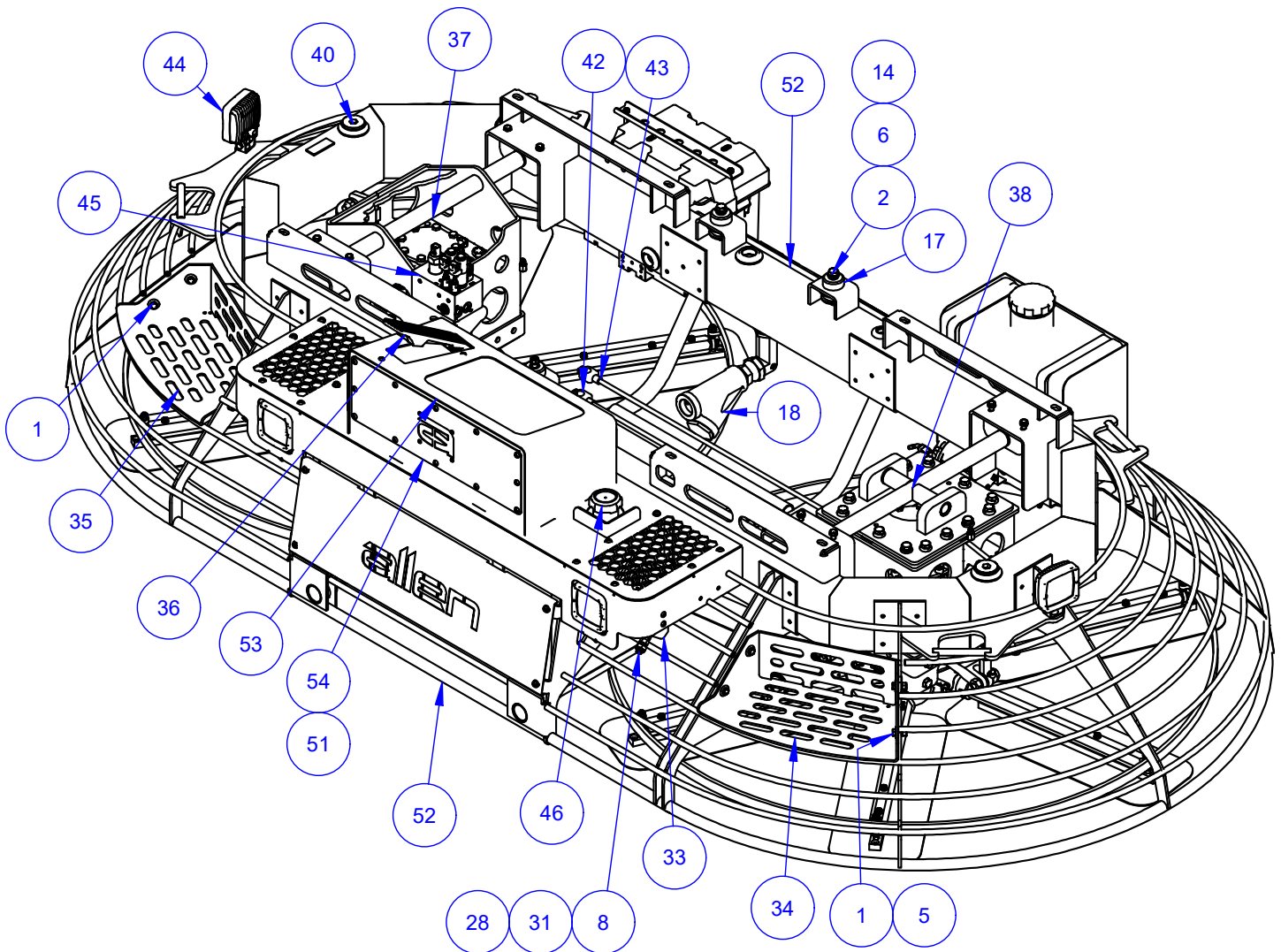
Seat Frame Assembly (cont'd) Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
36	067413	COVER, REAR BOTTOM RH	1
37	067414	COVER, BOTTON FRONT RH	1
38	069227	PANEL, MOUNT F/ DISPLAY	1
39	069233	HOSE, INTAKE F/ AIR CLEANER	1
40	069737	FSTN, PAN HEAD SCREW 1/4-20 X 3/4	77
41	069835	LIGHT, LED 1200 LUMENS 12V DC	2
42	069849	COVER, FRONT TOP LH	1
43	069850	USB RECEPTACLE 12V DC	1
44	069851	COVER, FRONT TOP RH	1
45	069874	SEAT (069875 ARM REST SET)	1
46	071123	RUBBER TRIM, TOP F/ CUT HOLDER (USE 071122 12.5IN)	1
47	071124	RUBBER TRIM, MIDDLE F/ CUT HOLDER (USE 071122 10.5IN)	1
48	074251	CUP HOLDER	1
49	076952	LIGHT, RED INDICATOR	1
50	077525	BUZZER, 12V	1
51	077893	ANTENNA, FOR TELEMATICS	1
52	077894	CONTROLLER, FOR TELEMATICS	1
53	-	FUSE BLOCK	1
54	-	CONNECTOR 3 WAY RECEPTACLE	2

PARTS

Main Frame Assembly Illustration (074601)



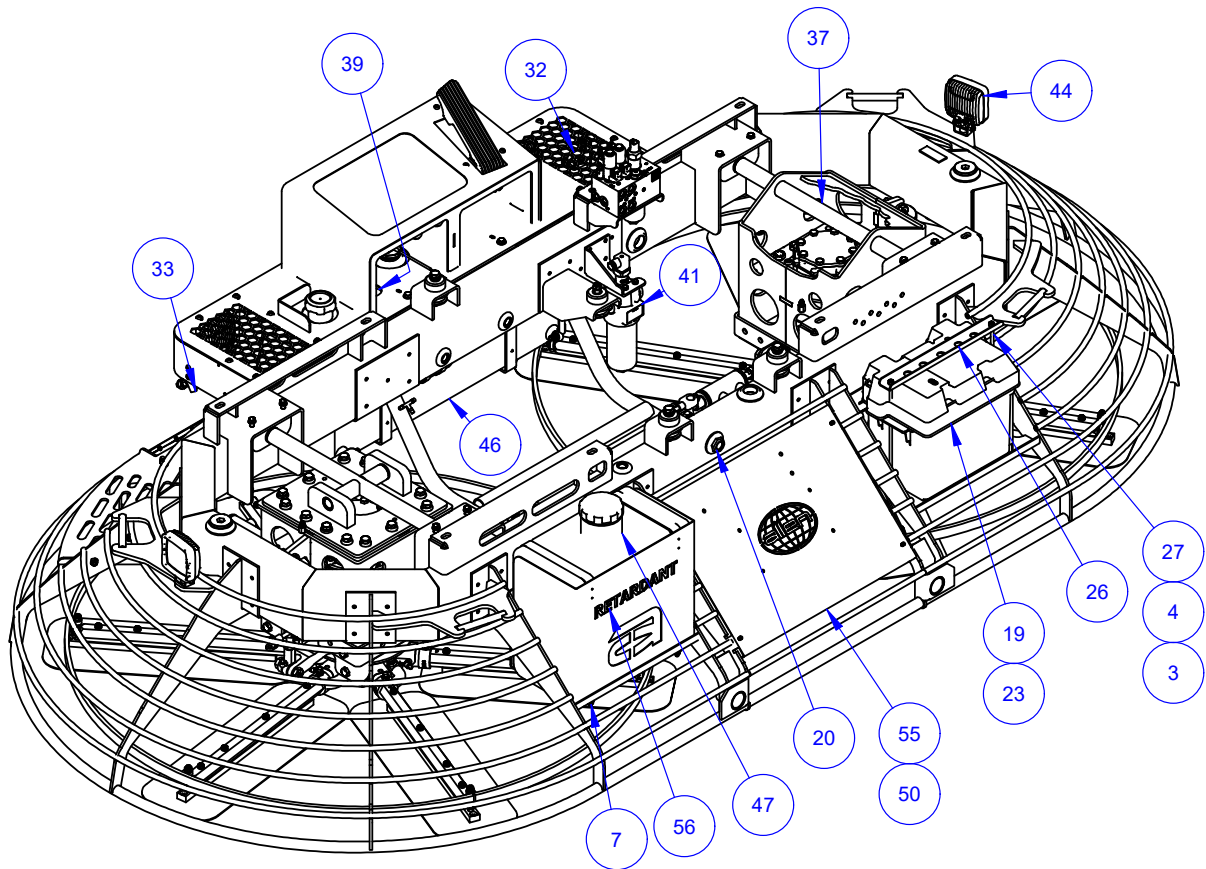
Main Frame Assembly Parts List

PARTS

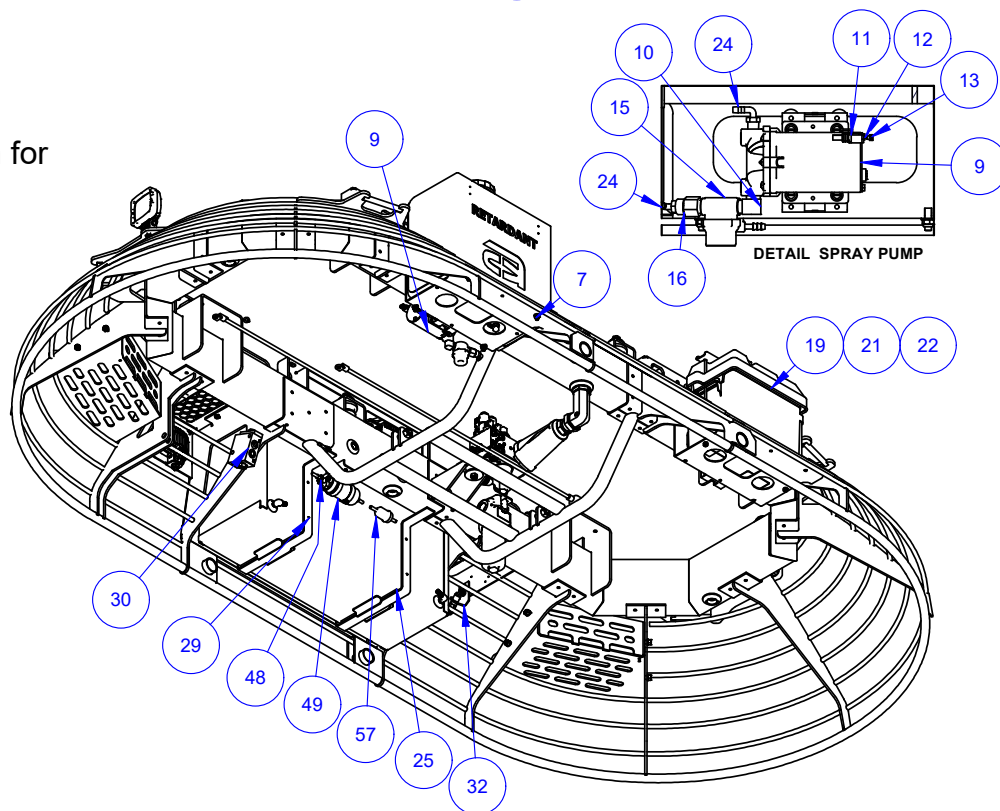
ITEM	PART NO.	DESCRIPTION	QTY
1	010036	FASTENER, HHCS 3/8-16 X 1	8
2	010076	FASTENER, HHCS 1/2-13 X 3-1/4	3
3	010089	FASTENER, LW 1/4	30
4	010098	FASTENER, NUT HEX 1/4-20	19
5	010102	FASTENER, NUT HEX 3/8-16	10
6	011490	FASTENER, FW 1/2	3
7	012612	FASTENER, HEX NUT NYLOCK 5/16-18	4
8	012702	TIP, 80°x0.10 GPM BRASS SPRAY	2
9	033735	PUMP, SPRAY SYSTEM	1
10	038105	ELBOW, 3/8x3/8 INVERTED FLARE BRASS	1
11	038641	HOUSING, 2 POSN WEA PAK FEMALE	1
12	038644	TERMINAL, 16-14 WEA PAK FEMALE	2
13	038648	SEAL, 16-14 AWG GRY CAVITY	2
14	040208	FASTENER, HEX NUT 1/2-13 STOVER	3
15	040209	FILTER, RETARDANT SPRAY SYSTEM	1
16	040388	FTG, 3/8X1/4 BRASS FM TO FM REDUCER	1
17	045757	ISOL, REAR MOTOR MOUNT	4
18	046472	Y-STRAINER	1
19	046696	BOX, STANDARD BATTERY	1
20	046731	SIGHT GLASS HYD RESERVOIR	1
21	047251	PAD, 10-7/8x7-1/4x1 F/ BATTERY BOX	1
22	047294	PAD, 7-7/16x5-11/16x1-1/2 F/ BATTERY BOX	1
23	047604	BATTERY, 700CCA 12V	1
24	047933	ELBOW, 1/4 PUSHLOK x 1/4 NPT PLASTIC	2
25	048562	CUSHION, BOTTOM FUEL TANK	2
26	048563	CHANNEL, BATTERY HOLD-DOWN	1
27	048589	ROD ALL THREAD, 1/4-20 F/ BATTERY HOLD DOWN	2
28	048653	BARB, HOSE PLASTIC 1/4" x 1/4 NPT	2
29	048676	PLUG, HOLLOW SBR RUBBER	8
30	049088	PO CHECK VALVE (ANTI-CHATTER KIT 070495)	1
31	049957	NOZZLE BODY MALE STRAIGHT FOR SPRAY	2
32	049981	WELD'T, RH SPRAY BRACKET	1
33	049982	WELD'T, LH SPRAY BRACKET	1
34	063034	STEP, LH FOR HDX760	1
35	063035	STEP, RH FOR HDX760	1
36	063341	FOOT PEDAL ELECTRONIC HDX760	1

PARTS

Main Frame Assembly (cont'd) Illustration



Parts hidden for clarity



Main Frame Assembly Parts List (cont'd)

PARTS

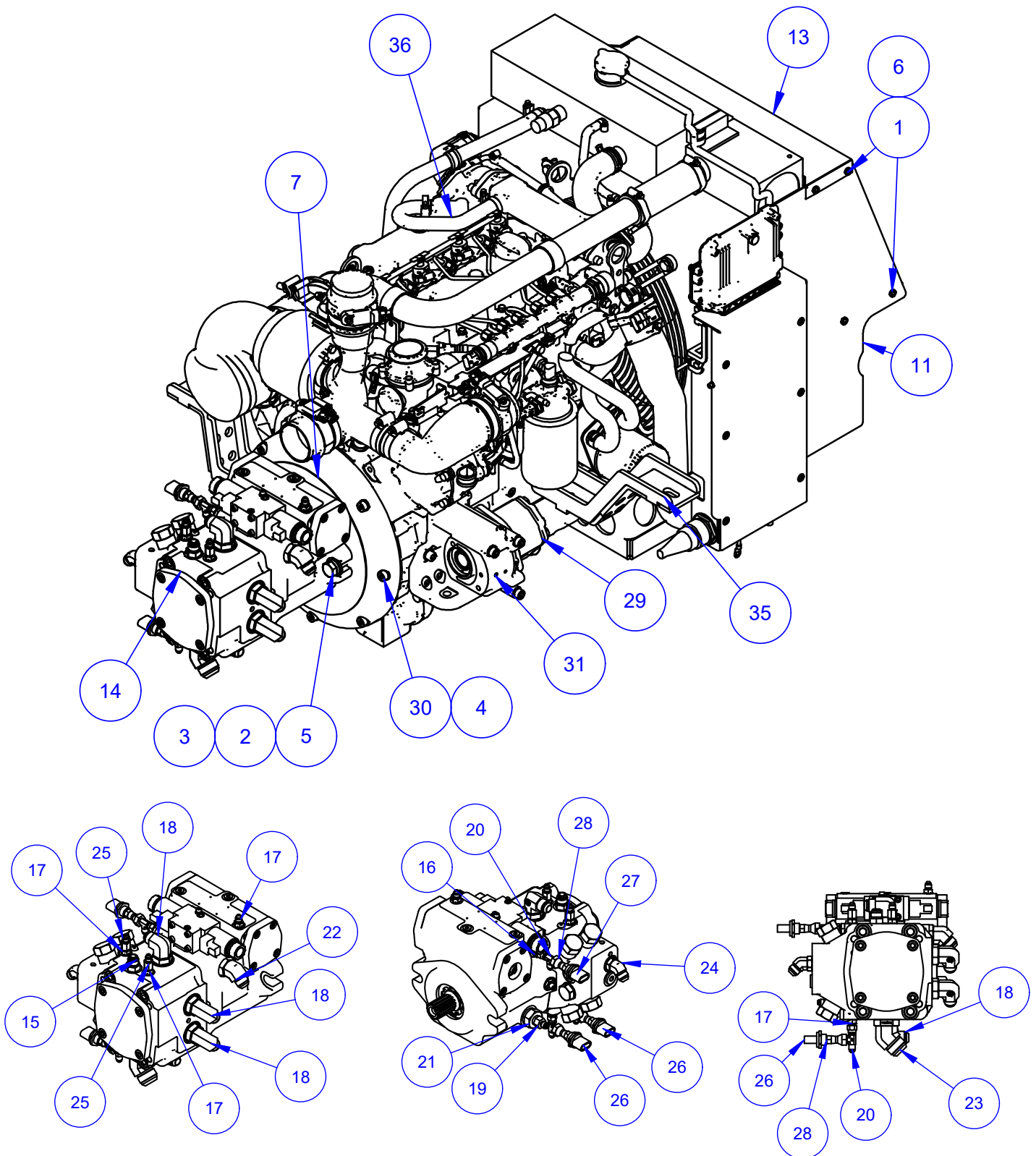
ITEM	PART NO.	DESCRIPTION	QTY
37	064257	RH (SOM) ROTOR ASSEMBLY HDX760	1
38	064258	LH (SOM) ROTOR ASSEMBLY HDX760	1
39	064501	CUSHION, TOP TANK (RUBBER) HDX760	1
40	065017	PLUG SAE #20 HOLLOW HEX PLUG	2
41	065141	FILTER, HIGH PRESSURE HDX760	1
42	065847	BATTERY CABLE, POSITIVE 2AWG	1
43	065848	BATTERY CABLE, NEGATIVE 2 AWG	1
44	069835	LIGHT, LED 1200 LUMENS 12 VDC (1.5 AMP)	4
45	069958	MANIFOLD, STEER AND PITCH	1
46	070610	FUEL TANK ASSEMBLY HDX780 (18 GALLON)	1
47	071536	TANK, 7 GALLON RETARDANT ASSEMBLY	1
48	072559	FUEL PUMP	1
49	072560	FUEL PUMP MOUNT BAND	2
50	072856	PLATE, BACKER FOR EMBLEM PLATE RIDERS	1
51	074535	PLATE, BACKING FOR SMALL SYMBOL RED	1
52	074602	HDX760 MAIN FRAME WELDMENT	1
53	075214	DECK PLATE FOR HDX760 RIDING TROWEL	1
54	075226	COVER FRONT, DECK	1
55	075254	COVER REAR CENTER FOR HDX760	1
56	075422	GUARD, TANK FOR 7 GALLON TANKS	1
57	078629	FUEL FILTER, IN-LINE F/ HATZ ENGINE	1

*Old light mount brackets 042140, QTY of (2) per machine. Aug.2024 forward LH/RH lights mount directly to machine frame.

Feb. 2023: Hatz main fuel filter moved to engine, added in-line filter. Old filters Pre-Fuel Filter (065851) main Fuel Filter (065852)

PARTS

Power Unit Assembly Illustration (076040)



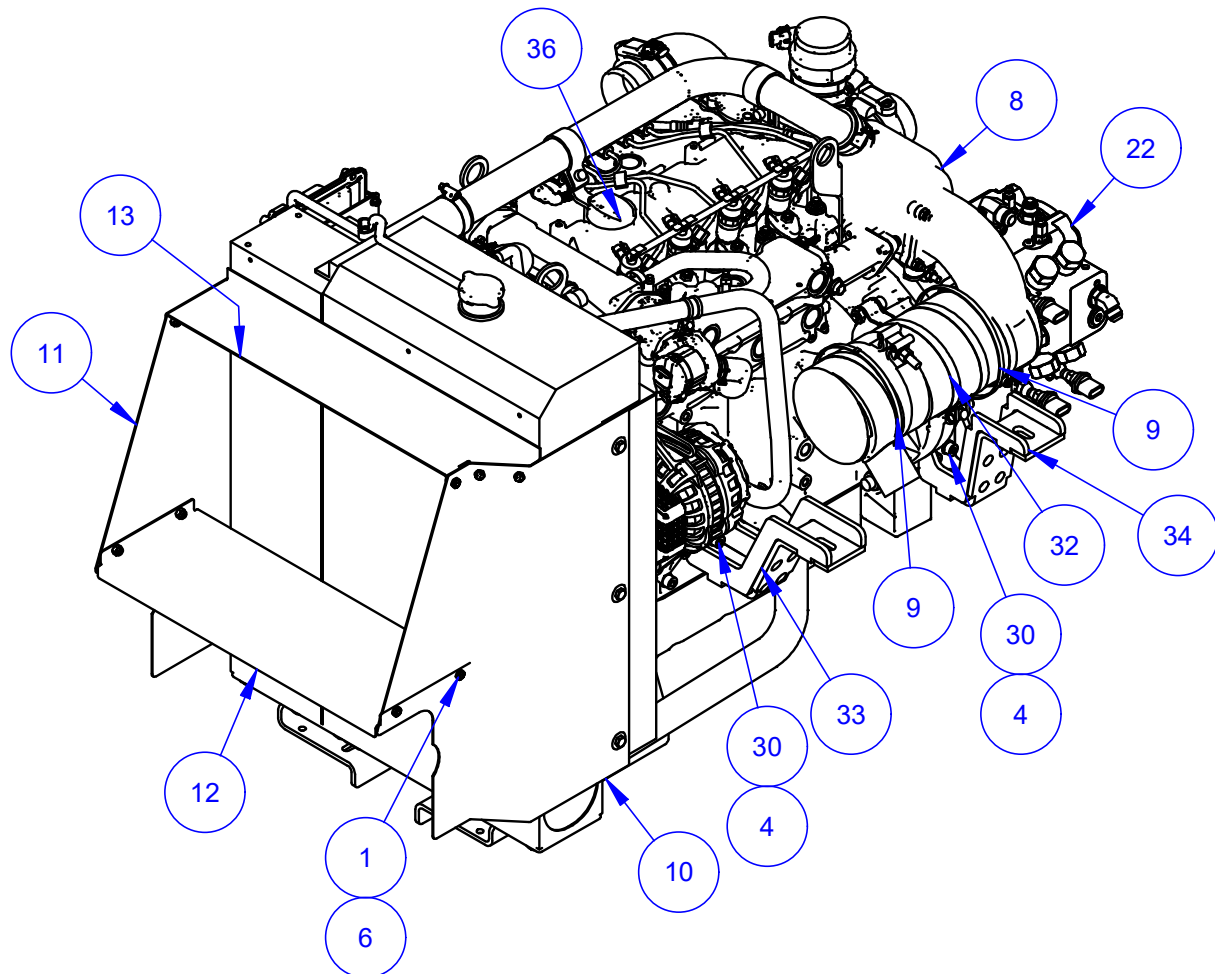
Power Unit Assembly Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	9
2	010095	FASTENER, LW 5/8	2
3	012982	FASTENER, FW 5/8	2
4	021072	FASTENER, LW 10MM	17
5	029311	FASTENER, HHCS 5/8-11 X 1 3/4	2
6	029671	FASTENER, NUT HEX 1/4-20 NYLOCK	9
7	064357	HOUSING AND COUPLING ASSEMBLY HATZ	1
8	064873	TURBO WRAP BLANKET FOR HATZ ENGINE	1
9	064874	TIE, 24" SS PERFERATED CABLE .270 WIDE	2
10	065124	SHROUD, REAR RADIATOR FOR HATZ ENIGNE	1
11	065125	SHROUD, FRONT RADIATOR HATZ ENGINE	1
12	065126	BOTTOM COVER RADIATOR SHROUD	1
13	065127	TOP COVER RADIATOR SHROUD	1
14	065138	PUMP, HYDRAULIC PISTON	1
15	045921	FITTING, F6400-8-8-O STR JIC-SAE	1
16	045922	FITTING, F6400-4-6-O STR JIC-SAE	1
17	045928	FITTING, F6400-4-4-O STR JIC-SAE	5
18	045946	FITTING, 6801-10-12-NWO 90DEG ELBOW JIC-SAE	4
19	046289	FITTING, 2406-6-4-O STR FM-ML JIC	1
20	046361	FITTING, F6602-04-04-04-O TEE	3
21	049387	FITTING., F6400-6-12-O STR JIC-SAE	1
22	065527	FITTING, F6802-10-12 45 DEG ELBOW	1
23	065528	FITTING, F6802-16-16 45 DEG ELBOW	1
24	065529	FITTING, F6802-8-8 NWO 45 DEG ELBOW	1
25	065826	FITTING, CFJ4-055 ORIFICE ML-FL JIC	2
26	077889	SENSOR, PRESSURE ROTOR MOTOR	2
27	077895	SENSOR, CHARGE PRESSURE	1
28	079285	FITTING, 9027-04-04 FM BSPP-FM JIC SWIVEL	3
29	065140	PUMP, AUXILIARY	1
30	065243	FASTENER, SHCS M10 X 1.5 X 30 MM	17
31	065398	AUXILIARY DRIVE FOR HATS H50 ENGINE	1
32	066148	DOC WRAP FOR HATZ ENGINE	1
33	069419	ENGINE MOUNT,V2 REAR LH HATZ H50	1
34	069420	ENGINE MNT, V2 REAR RH HDX760 HATZ H50	1
35	069424	ENGINE MOUNT,V2 FRONT RH HATZ H50	1
36	076050	KIT, HATZ ENGINE 4H50TIC	1
-	080622	TURBO OIL SUPPLY LINE, FLEXIBLE/BRAIDED FOR HATZ ENG. (REPLACEMENT)	-

PARTS

Power Unit Assembly (cont'd) Illustration



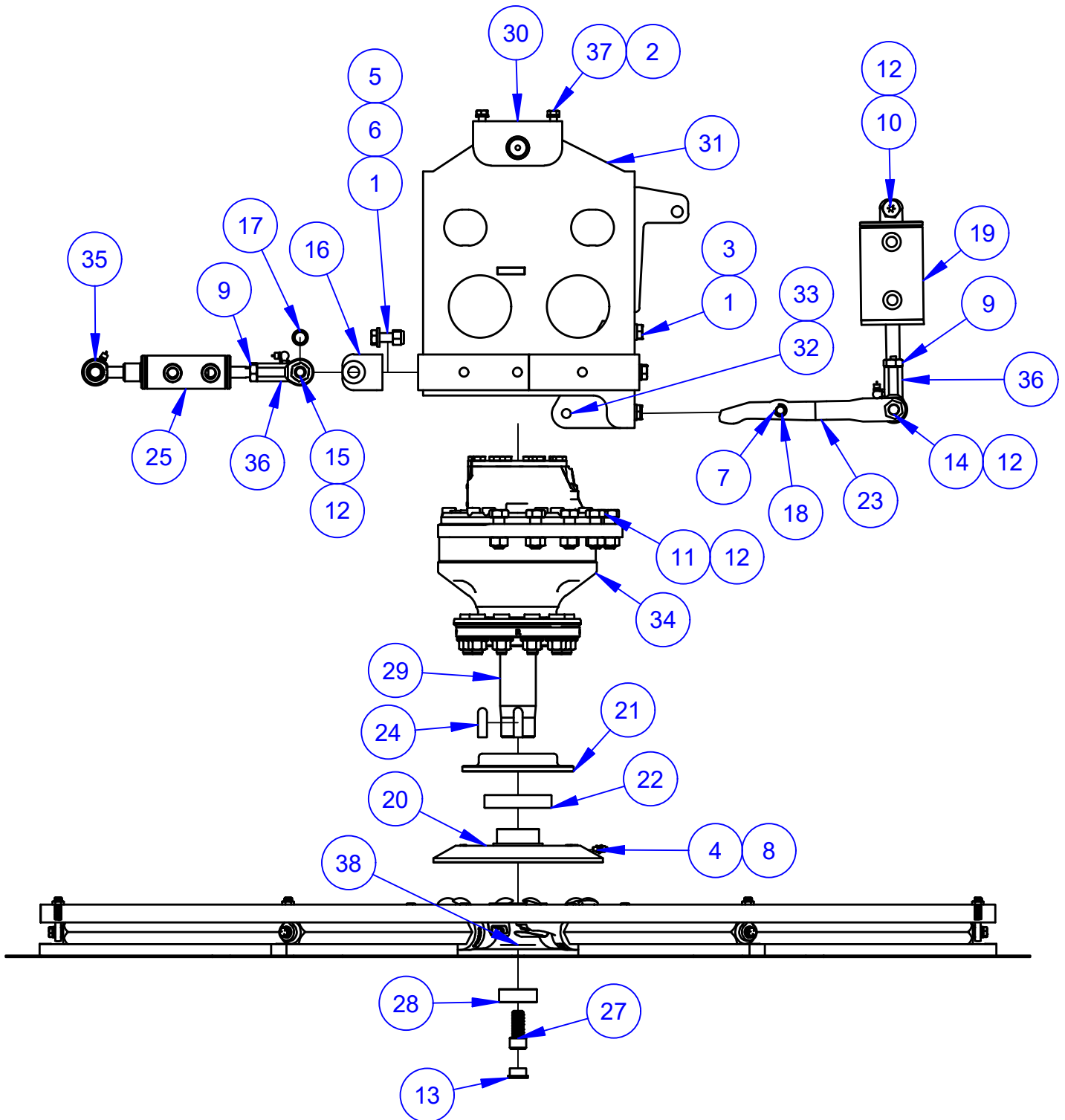
Power Unit Assembly (cont'd) Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010001	FASTENER, HHCS 1/4-20 X 1/2	9
2	010095	FASTENER, LW 5/8	2
3	012982	FASTENER, FW 5/8	2
4	021072	FASTENER, LW 10MM	17
5	029311	FASTENER, HHCS 5/8-11 X 1 3/4	2
6	029671	FASTENER, NUT HEX 1/4-20 NYLOCK	9
7	064357	HOUSING AND COUPLING ASSEMBLY HATZ	1
8	064873	TURBO WRAP BLANKET FOR HATZ ENGINE	1
9	064874	TIE, 24" SS PERFERATED CABLE .270 WIDE	2
10	065124	SHROUD, REAR RADIATOR FOR HATZ ENIGNE	1
11	065125	SHROUD, FRONT RADIATOR HATZ ENGINE	1
12	065126	BOTTOM COVER RADIATOR SHROUD	1
13	065127	TOP COVER RADIATOR SHROUD	1
14	065138	PUMP, HYDRAULIC PISTON	1
15	045921	FITTING, F6400-8-8-O STR JIC-SAE	1
16	045922	FITTING, F6400-4-6-O STR JIC-SAE	1
17	045928	FITTING, F6400-4-4-O STR JIC-SAE	5
18	045946	FITTING, 6801-10-12-NWO 90DEG ELBOW JIC-SAE	4
19	046289	FITTING, 2406-6-4-O STR FM-ML JIC	1
20	046361	FITTING, F6602-04-04-04-O TEE	3
21	049387	FITTING., F6400-6-12-O STR JIC-SAE	1
22	065527	FITTING, F6802-10-12 45 DEG ELBOW	1
23	065528	FITTING, F6802-16-16 45 DEG ELBOW	1
24	065529	FITTING, F6802-8-8 NWO 45 DEG ELBOW	1
25	065826	FITTING, CFJ4-055 ORIFICE ML-FL JIC	2
26	077889	SENSOR, PRESSURE ROTOR MOTOR	2
27	077895	SENSOR, CHARGE PRESSURE	1
28	079285	FITTING, 9027-04-04 FM BSPP-FM JIC SWIVEL	3
29	065140	PUMP, AUXILIARY	1
30	065243	FASTENER, SHCS M10 X 1.5 X 30 MM	17
31	065398	AUXILIARY DRIVE FOR HATS H50 ENGINE	1
32	066148	DOC WRAP FOR HATZ ENGINE	1
33	069419	ENGINE MOUNT,V2 REAR LH HATZ H50	1
34	069420	ENGINE MNT, V2 REAR RH HDX760 HATZ H50	1
35	069424	ENGINE MOUNT,V2 FRONT RH HATZ H50	1
36	076050	KIT, HATZ ENGINE 4H50TIC	1
-	080622	TURBO OIL SUPPLY LINE, FLEXIBLE/BRAIDED FOR HATZ ENG. (REPLACEMENT)	-

PARTS

RH (SOM) Rotor Assembly (064257) Illustration



RH (SOM) Rotor Assembly (064257)

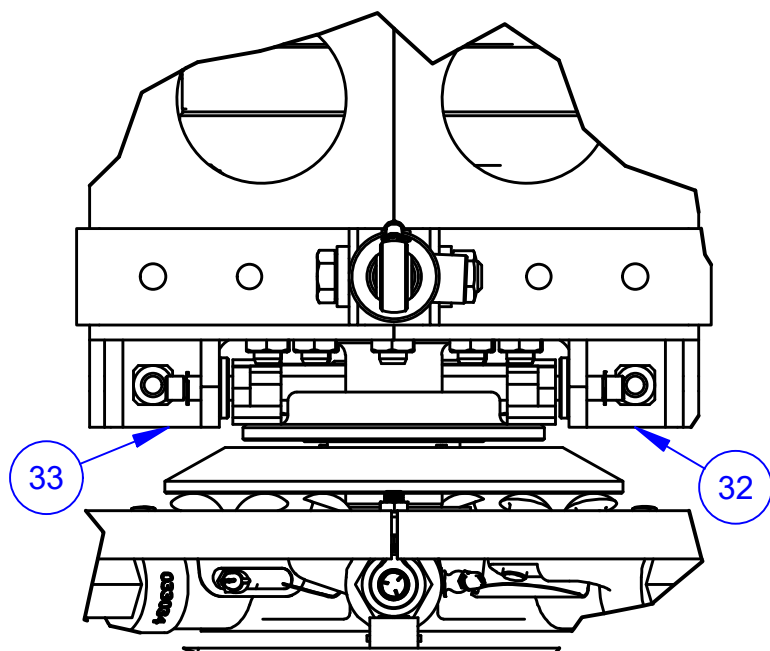
Parts List

PARTS

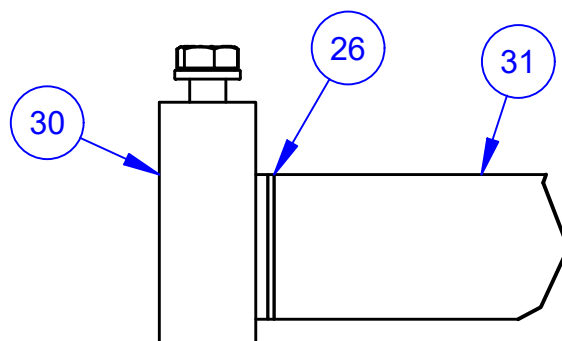
ITEM	PART NO.	DESCRIPTION	QTY
1	010069	FASTENER, HHCS 1/2-13 X 1-1/2	7
2	010091	FASTENER, LW 3/8	4
3	010093	FASTENER, LW 1/2	6
4	010513	FITTING, 1/4-28 STR GREASE	1
5	011238	FASTENER, HEX NUT NYLOK 1/2-13	1
6	011490	FASTENER, FW 1/2	1
7	015677	RING, Ø7/16 E-STYLE RETAINING	2
8	015692	CAP, Ø1/4 RED GREASE	1
9	020688	FASTENER, JAM HEX NUT 5/8-18 RH	2
10	027969	FASTENER, HHCS 5/8-18 X 2	1
11	040319	FASTENER, HHCS 5/8-18 X 1-1/4	10
12	043269	FASTENER, HEX NUT STOVER 5/8-18	13
13	046646	PLUG, 7/8 THREAD PROTECT CAP	1
14	047354	FASTENER, HHCS 5/8-18x2-1/4	1
15	048339	FASTENER, HHCS 5/8-18 X 3	1
16	048624	CHANNEL, CYLINDER ROD END CONNECTOR	1
17	048627	SPACER, STEERING CONNECTION	2
18	048628	PIN, YOKE ARM	1
19	048659	PITCH CYLINDER HDX SERIES 3" BORE 1-1/2" STROKE	1
20	049537	PLATE, PRESSURE 6 BOSS	1
21	049599	BEARING CAP	1
22	049697	BEARING SPIDER ASSEMBLY	1
23	049698	PITCH YOKE ARM	1
24	050700	KEY, FOR ROTOR	1
25	050718	CYLINDER, 1.5x1.5 STEERING	1
26	056725	BRONZE WASHER	2
27	064251	FASTENER, SHCS 5/8-11 X 1-1/2 LONG LH THREAD	1
28	064253	WASHER, RETAINING	1
29	064256	SHAFT, ROTOR RH (SOM)	1
30	064260	BEARING ASSEMBLY FOR WITH BRONZE BEARING (068157 BEARING REPLACEMENT)	2
31	064730	RH HYDRAULIC MOTOR MNT WLDT. HDX760(REXROTH)	1
32	064742	BRACKET, LH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
33	064745	BRACKET, RH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
34	065137	MOTOR, HYDRAULIC	2
35	065446	ROD END MALE 5/8	1
36	066188	ROD END, FEMALE 5/8	2
37	074068	FASTENER, HHCS 3/8-16 X 1	4
38	079269	ASSEMBLY, SPIDER RH HDX760	1

PARTS

RH (SOM) Rotor Assembly (064257) cont'd Illustration



DETAIL B
SCALE 1 / 4



DETAIL C
SCALE 1 / 2

RH (SOM) Rotor Assembly (064257) cont'd

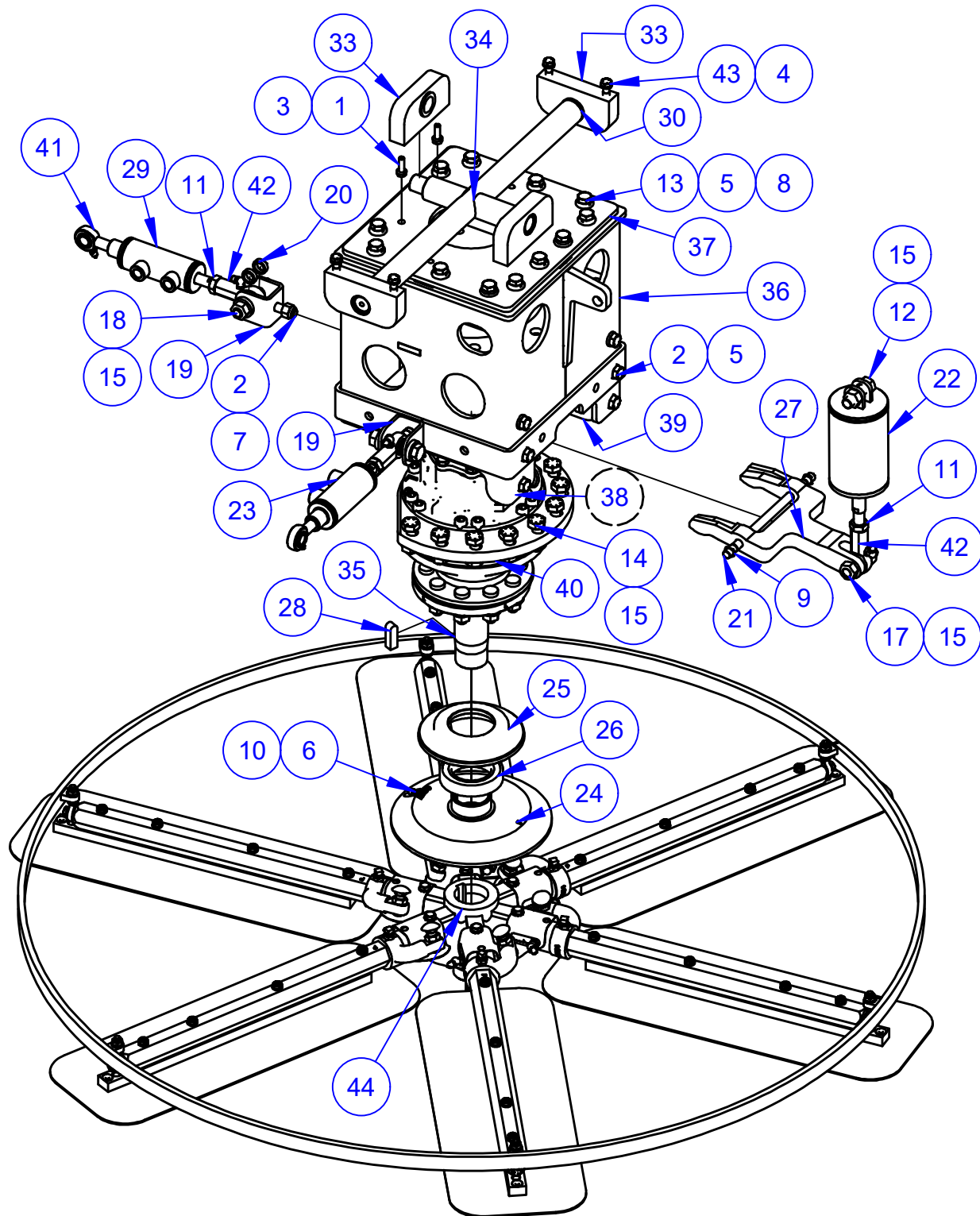
Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010069	FASTENER, HHCS 1/2-13 X 1-1/2	7
2	010091	FASTENER, LW 3/8	4
3	010093	FASTENER, LW 1/2	6
4	010513	FITTING, 1/4-28 STR GREASE	1
5	011238	FASTENER, HEX NUT NYLOK 1/2-13	1
6	011490	FASTENER, FW 1/2	1
7	015677	RING, Ø7/16 E-STYLE RETAINING	2
8	015692	CAP, Ø1/4 RED GREASE	1
9	020688	FASTENER, JAM HEX NUT 5/8-18 RH	2
10	027969	FASTENER, HHCS 5/8-18 X 2	1
11	040319	FASTENER, HHCS 5/8-18 X 1-1/4	10
12	043269	FASTENER, HEX NUT STOVER 5/8-18	13
13	046646	PLUG, 7/8 THREAD PROTECT CAP	1
14	047354	FASTENER, HHCS 5/8-18x2-1/4	1
15	048339	FASTENER, HHCS 5/8-18 X 3	1
16	048624	CHANNEL, CYLINDER ROD END CONNECTOR	1
17	048627	SPACER, STEERING CONNECTION	2
18	048628	PIN, YOKE ARM	1
19	048659	PITCH CYLINDER HDX SERIES 3" BORE 1-1/2" STROKE	1
20	049537	PLATE, PRESSURE 6 BOSS	1
21	049599	BEARING CAP	1
22	049697	BEARING SPIDER ASSEMBLY	1
23	049698	PITCH YOKE ARM	1
24	050700	KEY, FOR ROTOR	1
25	050718	CYLINDER, 1.5x1.5 STEERING	1
26	056725	BRONZE WASHER	2
27	064251	FASTENER, SHCS 5/8-11 X 1-1/2 LONG LH THREAD	1
28	064253	WASHER, RETAINING	1
29	064256	SHAFT, ROTOR RH (SOM)	1
30	064260	BEARING ASSEMBLY FOR WITH BRONZE BEARING (068157 BEARING REPLACEMENT)	2
31	064730	RH HYDRAULIC MOTOR MNT WLDT. HDX760(REXROTH)	1
32	064742	BRACKET, LH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
33	064745	BRACKET, RH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
34	065137	MOTOR, HYDRAULIC	2
35	065446	ROD END MALE 5/8	1
36	066188	ROD END, FEMALE 5/8	2
37	074068	FASTENER, HHCS 3/8-16 X 1	4
38	079269	ASSEMBLY, SPIDER RH HDX760	1

PARTS

LH (SOM) Rotor Assembly (064258) Illustration

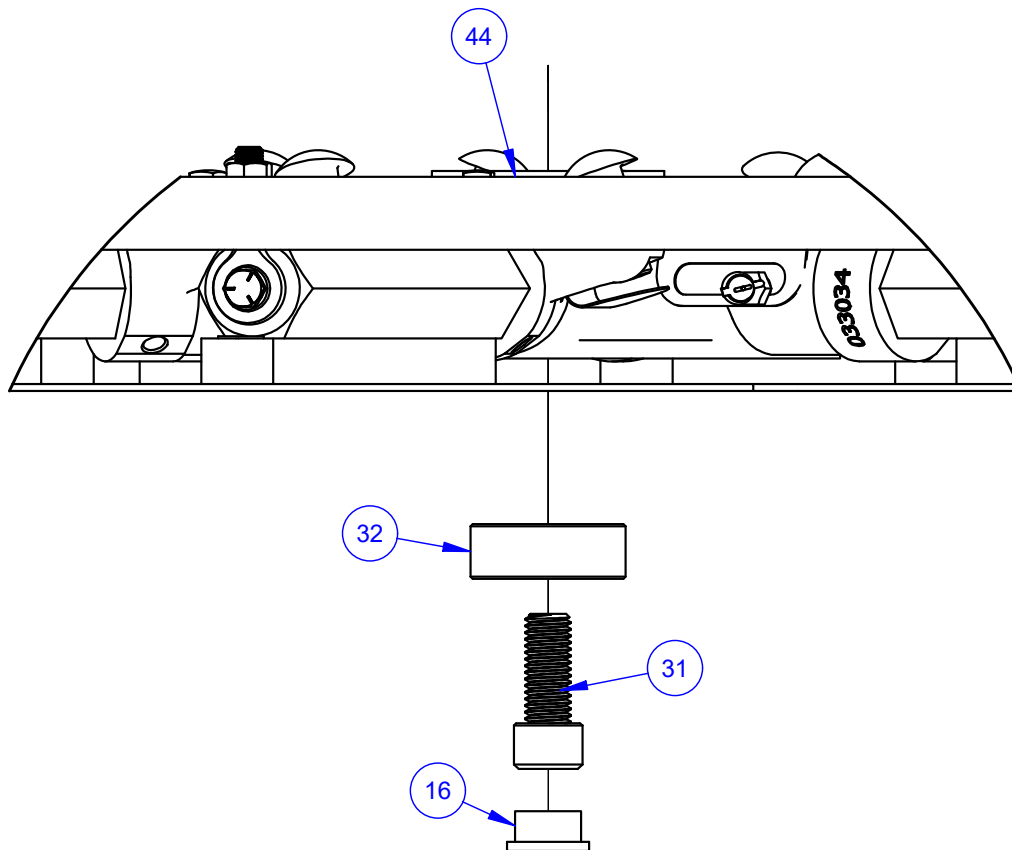


LH (SOM) Rotor Assembly (064258)

Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010020	FASTENER, HHCS 5/16-18 X 1	4
2	010069	FASTENER, HHCS 1/2-13 X 1-1/2	8
3	010090	FASTENER, LW 5/16	4
4	010091	FASTENER, LW 3/8	4
5	010093	FASTENER, LW 1/2	18
6	010513	FITTING, 1/4-28 STR GREASE	1
7	011238	FASTENER, HEX NUT NYLOK 1/2-13	2
8	011490	FASTENER, FW 1/2	12
9	015677	RING, Ø7/16 E-STYLE RETAINING	2
10	015692	CAP, Ø1/4 RED GREASE	1
11	020688	FASTENER, JAM HEX NUT 5/8-18 RH	3
12	027969	FASTENER, HHCS 5/8-18 X 2	1
13	038508	FASTENER, HHCS 1/2-13 X 1-1/4	13
14	040319	FASTENER, HHCS 5/8-18x1-1/4	10
15	043269	FASTENER, HEX NUT STOVER 5/8-18	14
16	046646	PLUG, 7/8 THREAD PROTECT CAP	1
17	047354	FASTENER, HHCS 5/8-18 X 2-1/4	1
18	048339	FASTENER, HHCS 5/8-18 X 3	2
19	048624	CHANNEL, CYLINDER ROD END CONNECTOR	2
20	048627	SPACER, STEERING CONNECTION	4
21	048628	PIN, YOKE ARM	1
22	048659	PITCH CYLINDER HDX SERIES 3" BORE 1-1/2" STROKE	1
23	048661	CYLINDER, 1.5x1.25 STEERING	1
24	049537	PLATE, PRESSURE 6 BOSS	1
25	049599	BEARING CAP	1
26	049697	BEARING FOR SPIDER ASSEMBLY	1
27	049698	PITCH YOKE ARM	1
28	050700	KEY, FOR ROTOR	1
29	050718	CYLINDER, 1.5x1.5 STEERING	1
30	056725	BRONZE WASHER	2
31	064252	FASTENER, SHCS 5/8-11 X 1-1/2 LONG RH THREAD	1
32	064253	WASHER, RETAINING	1
33	064260	BEARING ASSEMBLY FOR WITH BRONZE BEARING (068157 BEARING REPLACEMENT)	4
34	064280	CROSSHEAD WELDMENT, L,R & F&R	1
35	064287	SHAFT, ROTOR LH SOM	1
36	064740	MOUNT, LH ROTOR MOTOR MNT HDX760	1
37	064741	PLATE, TOP FOR LH HYD. MTR. MNT. HDX760	1
38	064742	BRACKET, LH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
39	064745	BRACKET, RH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
40	065137	MOTOR, HYDRAULIC	2
41	065446	ROD, END MALE 5/8	2
42	066188	ROD END FEMALE 5/8	3
43	074068	FASTENER, HHCS 3/8-16 X 1	4
44	079268	ASSEMBLY, SPIDER LH HDX760	1



LH (SOM) Rotor Assembly (064258) cont'd

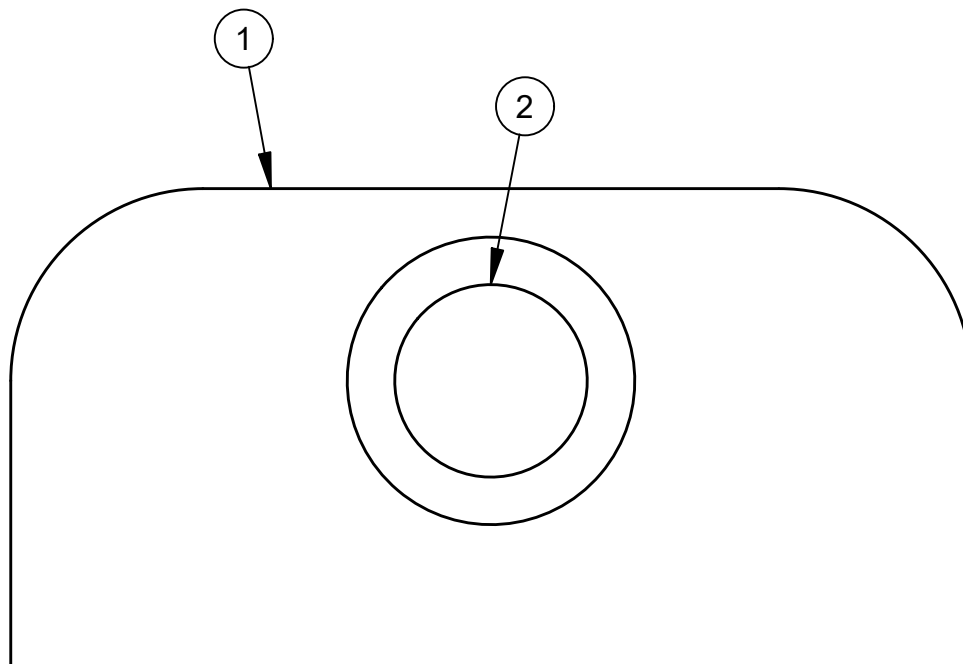
Parts List

PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	010020	FASTENER, HHCS 5/16-18 X 1	4
2	010069	FASTENER, HHCS 1/2-13 X 1-1/2	8
3	010090	FASTENER, LW 5/16	4
4	010091	FASTENER, LW 3/8	4
5	010093	FASTENER, LW 1/2	18
6	010513	FITTING, 1/4-28 STR GREASE	1
7	011238	FASTENER, HEX NUT NYLOK 1/2-13	2
8	011490	FASTENER, FW 1/2	12
9	015677	RING, Ø7/16 E-STYLE RETAINING	2
10	015692	CAP, Ø1/4 RED GREASE	1
11	020688	FASTENER, JAM HEX NUT 5/8-18 RH	3
12	027969	FASTENER, HHCS 5/8-18 X 2	1
13	038508	FASTENER, HHCS 1/2-13 X 1-1/4	13
14	040319	FASTENER, HHCS 5/8-18x1-1/4	10
15	043269	FASTENER, HEX NUT STOVER 5/8-18	14
16	046646	PLUG, 7/8 THREAD PROTECT CAP	1
17	047354	FASTENER, HHCS 5/8-18 X 2-1/4	1
18	048339	FASTENER, HHCS 5/8-18 X 3	2
19	048624	CHANNEL, CYLINDER ROD END CONNECTOR	2
20	048627	SPACER, STEERING CONNECTION	4
21	048628	PIN, YOKE ARM	1
22	048659	PITCH CYLINDER HDX SERIES 3" BORE 1-1/2" STROKE	1
23	048661	CYLINDER, 1.5x1.25 STEERING	1
24	049537	PLATE, PRESSURE 6 BOSS	1
25	049599	BEARING CAP	1
26	049697	BEARING FOR SPIDER ASSEMBLY	1
27	049698	PITCH YOKE ARM	1
28	050700	KEY, FOR ROTOR	1
29	050718	CYLINDER, 1.5x1.5 STEERING	1
30	056725	BRONZE WASHER	2
31	064252	FASTENER, SHCS 5/8-11 X 1-1/2 LONG RH THREAD	1
32	064253	WASHER, RETAINING	1
33	064260	BEARING ASSEMBLY FOR WITH BRONZE BEARING (068157 BEARING REPLACEMENT)	4
34	064280	CROSSHEAD WELDMENT, L,R & F&R	1
35	064287	SHAFT, ROTOR LH SOM	1
36	064740	MOUNT, LH ROTOR MOTOR MNT HDX760	1
37	064741	PLATE, TOP FOR LH HYD. MTR. MNT. HDX760	1
38	064742	BRACKET, LH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
39	064745	BRACKET, RH YOKE MNT. FOR ROTOR ASSEMBLIES HDX760	1
40	065137	MOTOR, HYDRAULIC	2
41	065446	ROD, END MALE 5/8	2
42	066188	ROD END FEMALE 5/8	3
43	074068	FASTENER, HHCS 3/8-16 X 1	4
44	079268	ASSEMBLY, SPIDER LH HDX760	1

PARTS

Bearing Block Assembly (064260)

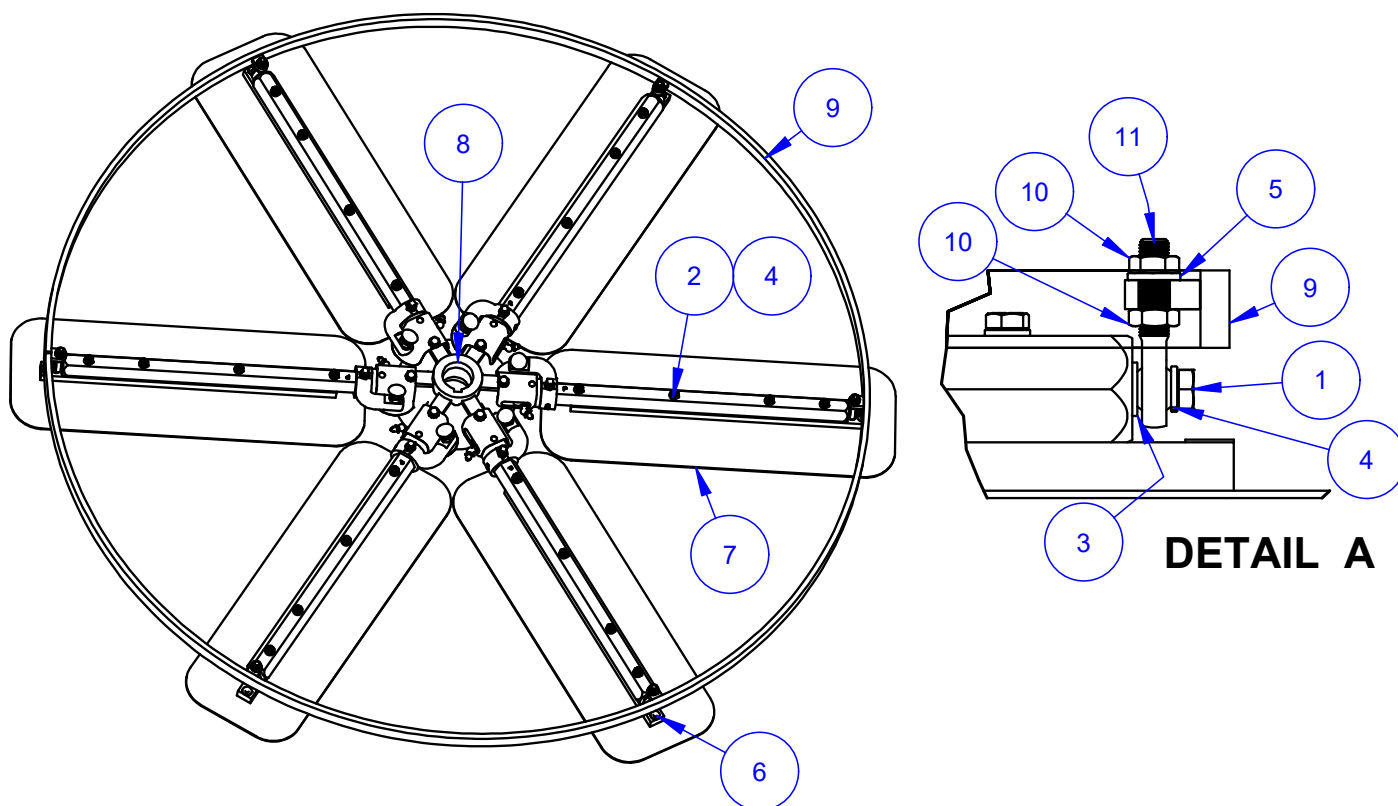


ITEM	PART NO.	DESCRIPTION	QTY
1	064259	BLOCK, FOR BEARING BLOCK	1
2	068157	FLANGED BEARING, 1" ID X 1 LONG OIL IMPREGNATED BRONZE	1

PAGE LEFT BLANK INTENTIONALLY

PARTS

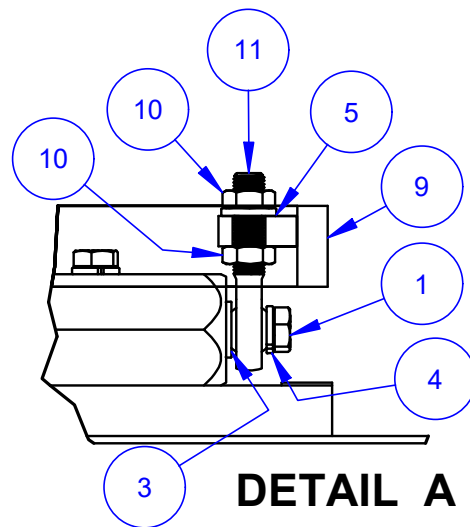
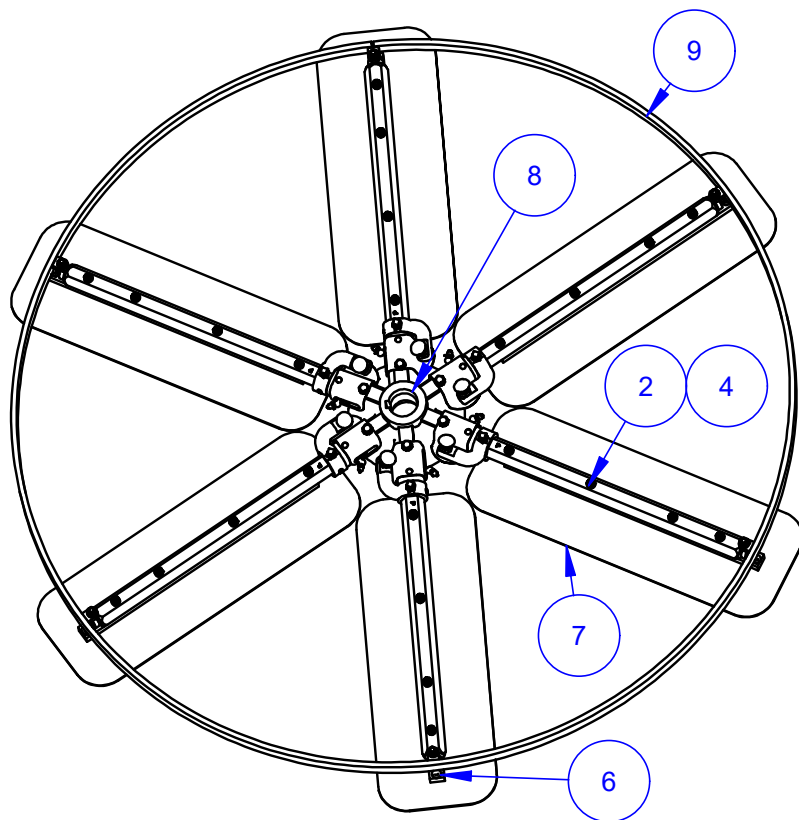
LH Spider Assembly Illustration (079268)



ITEM	PART NO.	DESCRIPTION	QTY
1	010020	FASTENER, HHCS 5/16-18 X 1	6
2	010024	FASTENER, HHCS 5/16-18 X 2	24
3	010082	FASTENER, FW 5/16	6
4	010090	FASTENER, LW 5/16	30
5	010091	FASTENER, LW 3/8	6
6	015694	PLUG, PLASTIC TAPERED	6
7	047973G	BLADE, 8 X 23 FLAT FINISH	6
8	049538	SPIDER ASSEMBLY LH SOM	1
9	069565	STABILIZER RING, HDX760 ROTOR SPIDER ASSEM. WITH HEIM JOINTS	1
10	069566	FASTENER, THIN HEX NUT 3/8-24	12
11	069567	BALL JOINT ROD END MALE, WITH OVERSIZED SHANK 5/16" I.D. 3/8-24 THREAD SHANK	6

RH Spider Assembly Illustration (079269)

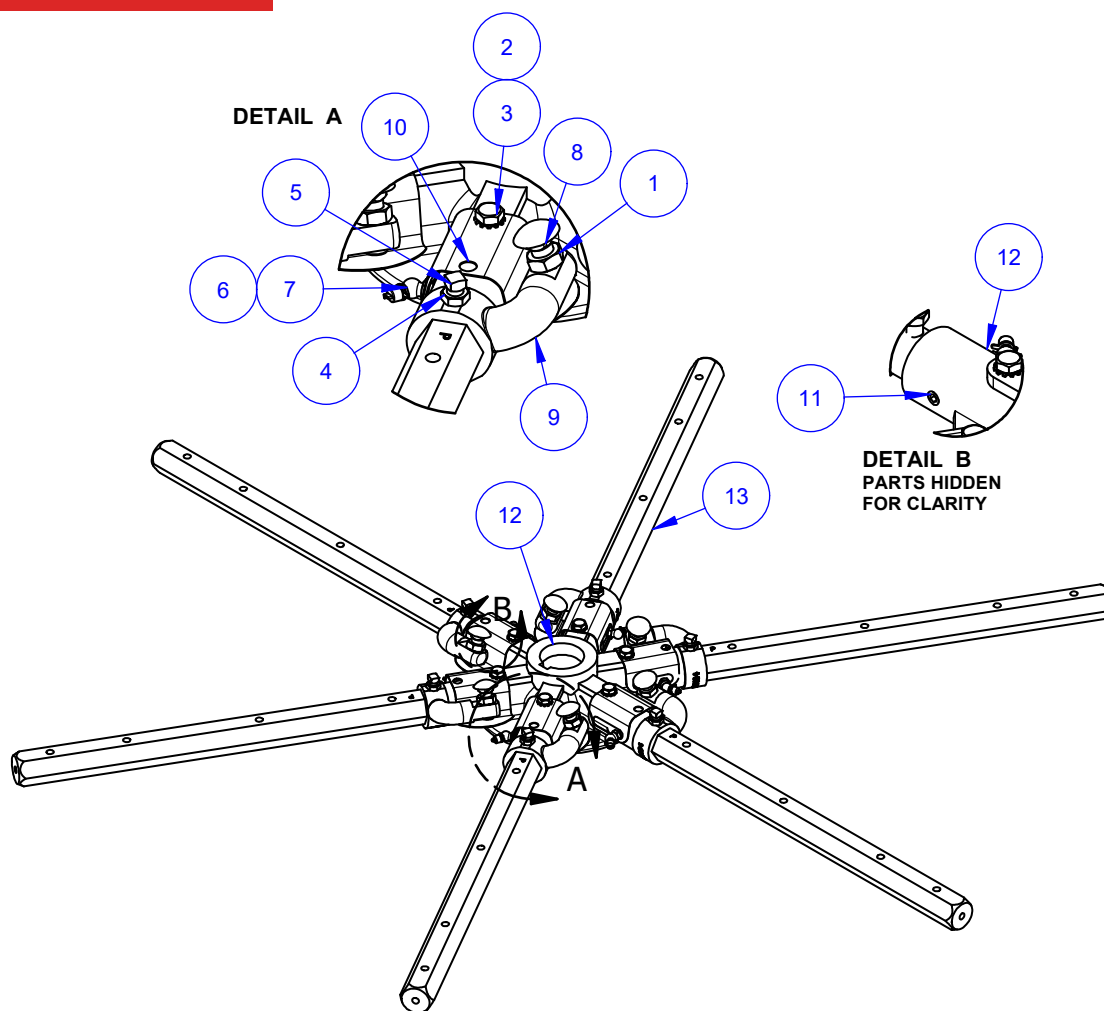
PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	010020	FASTENER, HHCS 5/16-18 X 1	6
2	010024	FASTENER, HHCS 5/16-18 X 2	24
3	010082	FASTENER, FW 5/16	6
4	010090	FASTENER, LW 5/16	30
5	010091	FASTENER, LW 3/8	6
6	015694	PLUG, PLASTIC TAPERD	6
7	047973G	BLADE, 8 X 23 FLAT FINISH	6
8	049539	SPIDER ASSEMBLY, RH SOM	1
9	069565	STABILIZER RING, HDX760 ROTOR SPIDER ASSEM. WITH HEIM JOINTS	1
10	069566	FASTENER, THIN HEX NUT 3/8-24	12
11	069567	BALL JOINT ROD END MALE, WITH OVERSIZED SHANK 5/16" I.D. 3/8-24 THREAD SHANK	6

PARTS

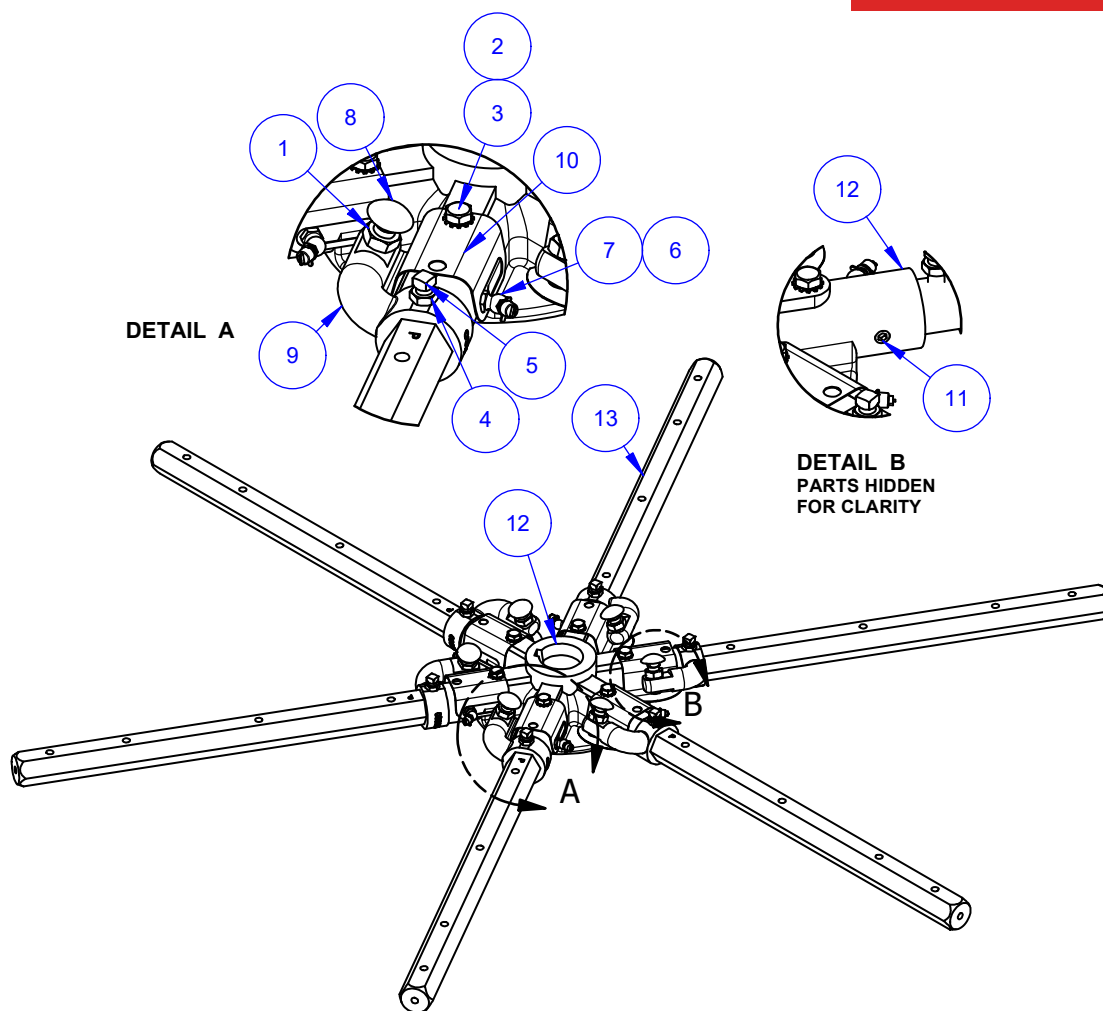
LH Spider Illustration (049538)



ITEM	PART NO.	DESCRIPTION	QTY
1	010050	FASTENER, HEX JAM NUT 1/2-13	6
2	015682	WASHER, 3/8 EXT TOOTH LOCK	6
3	015683	BOLT, 3/8-16 X 7/8 DOG PT HEX HD CAP	6
4	015684	FASTENER, HEX JAM NUT 3/8-16	6
5	015686	FASTENER, SQHSS 3/8-16 X 1	6
6	015692	CAP, Ø1/4 RED GREASE	6
7	024755	FITTING, 1/8-27 NPT 45° GREASE	6
8	028216	FASTENER, CABLT 1/2-13 X 1-1/2	6
9	033034	LEVER, LIFT SD UNIVERSAL	6
10	040792	CLIP, 46-48 UNIV SPIDER SPRING	6
11	050963	PLUG, 1/8" NPT HEX SOCKET ZINC PLATED	6
12	064198	SPIDER BOSS, 6 BLADE UNIVERSAL	1
13	069916	ARM, 6 BOSS SPIDER ASSY TROWEL	6

RH Spider Illustration (049539)

PARTS



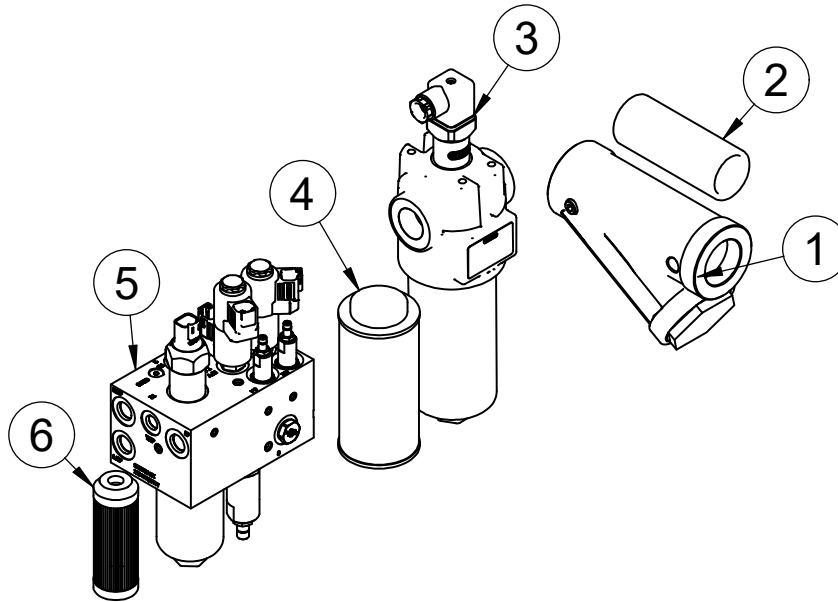
ITEM	PART NO.	DESCRIPTION	QTY
1	010050	FASTENER, HEX JAM NUT 1/2-13	6
2	015682	WASHER, 3/8 EXT TOOTH LOCK	6
3	015683	BOLT, 3/8-16 X 7/8 DOG PT HEX HD CAP	6
4	015684	FASTENER, HEX JAM NUT 3/8-16	6
5	015686	FASTENER, SQHSS 3/8-16 X 1	6
6	015692	CAP, Ø1/4 RED GREASE	6
7	024755	FITTING, 1/8-27 NPT 45° GREASE	6
8	028216	FASTENER, CABLT 1/2-13 X 1-1/2	6
9	033034	LEVER, LIFT SD UNIVERSAL	6
10	040792	CLIP, 46-48 UNIV SPIDER SPRING	6
11	050963	PLUG, 1/8" NPT HEX SOCKET ZINC PLATED	6
12	064198	SPIDER BOSS, 6 BLADE UNIVERSAL	1
13	069916	ARM, 6 BOSS SPIDER ASSY TROWEL	6

PARTS

Service Parts, Filters for Hydraulics

Note: Images for reference only

Hydraulic Filters



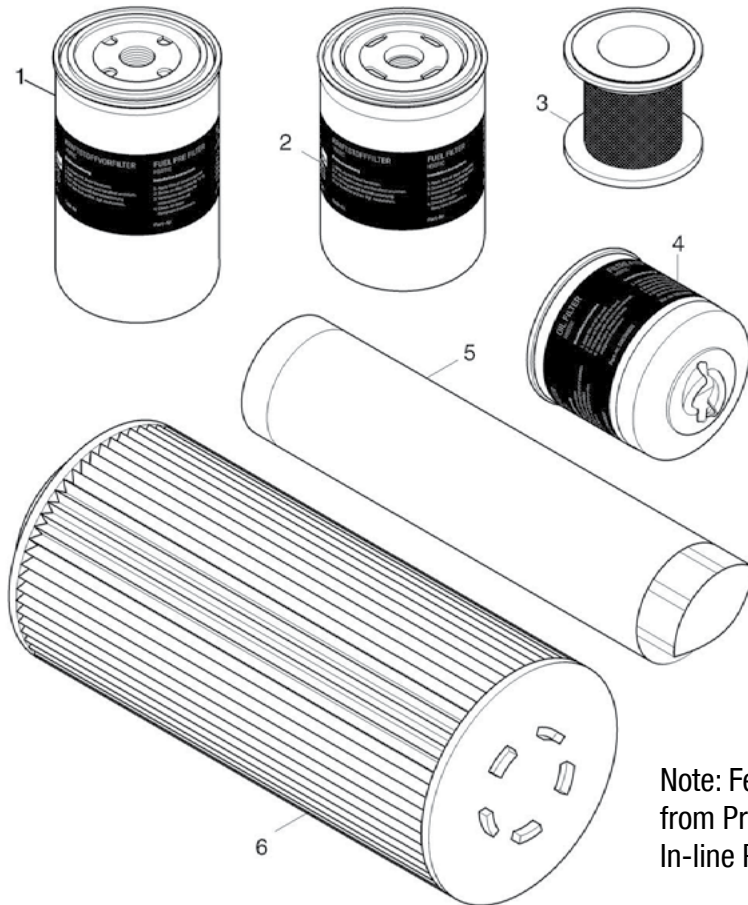
ITEM	PART NO.	DESCRIPTION	QTY
1	046472	Y-STRAINER	1
2	046473	FILTER, REPLACEMENT F/ Y-STRAINER	1
3	065141	HIGH PRESSURE CHARGE FILTER	1
4	043418	FILTER, REPLACEMENT F/ CHARGE FILTER	1
5	069958	MANIFOLD, WITH FILTER STEERING AND PITCH	1
6	070522	FILTER, REPLACEMENT F/ STEERING/PITCH MANIFOLD	1

Service Parts, Filters for Engine

PARTS

Note: Images for reference only

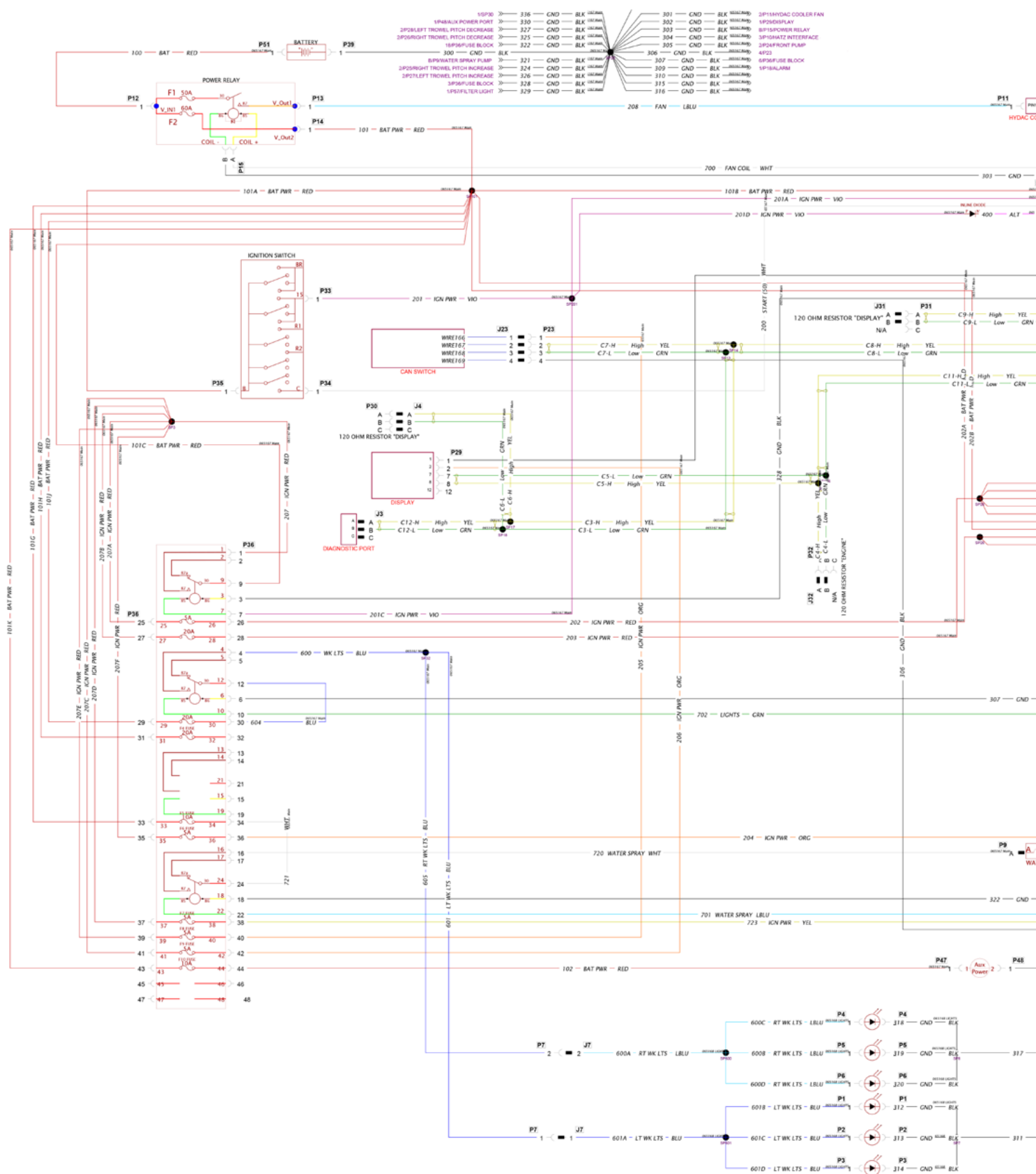
Engine Filters



Note: February 2023 Hatz fuel system changed from Pre-Fuel and Main Fuel Filters (OLD) to an In-line Pre-Fuel and Main Fuel filters.

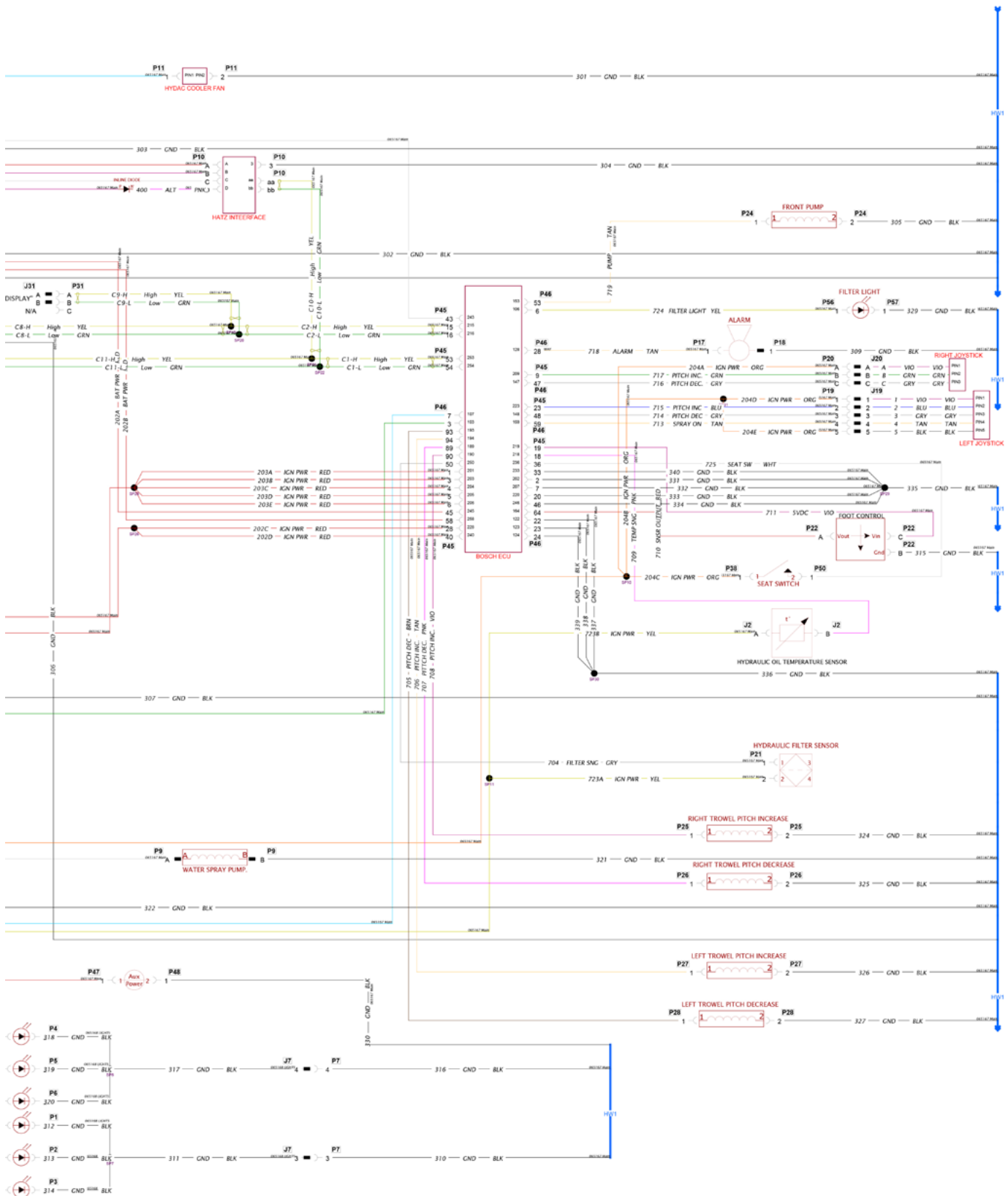
Replacement Filters			
Item	Part #	Description	Qty
1	065851	Pre-Fuel Filter (Old part)	1
2	065852	Fuel Filter (Old part)	1
3	065853	Oil Separator	1
4	065854	Oil Filter	1
5	065855	Air Filter - Secondary	1
6	065856	Air Filter - Primary	1
-	078612	Fuel Filter, Element & O-Rings	1
-	078629	Pre-Fuel Filter, In-line	1

Electric Schematic Illustration



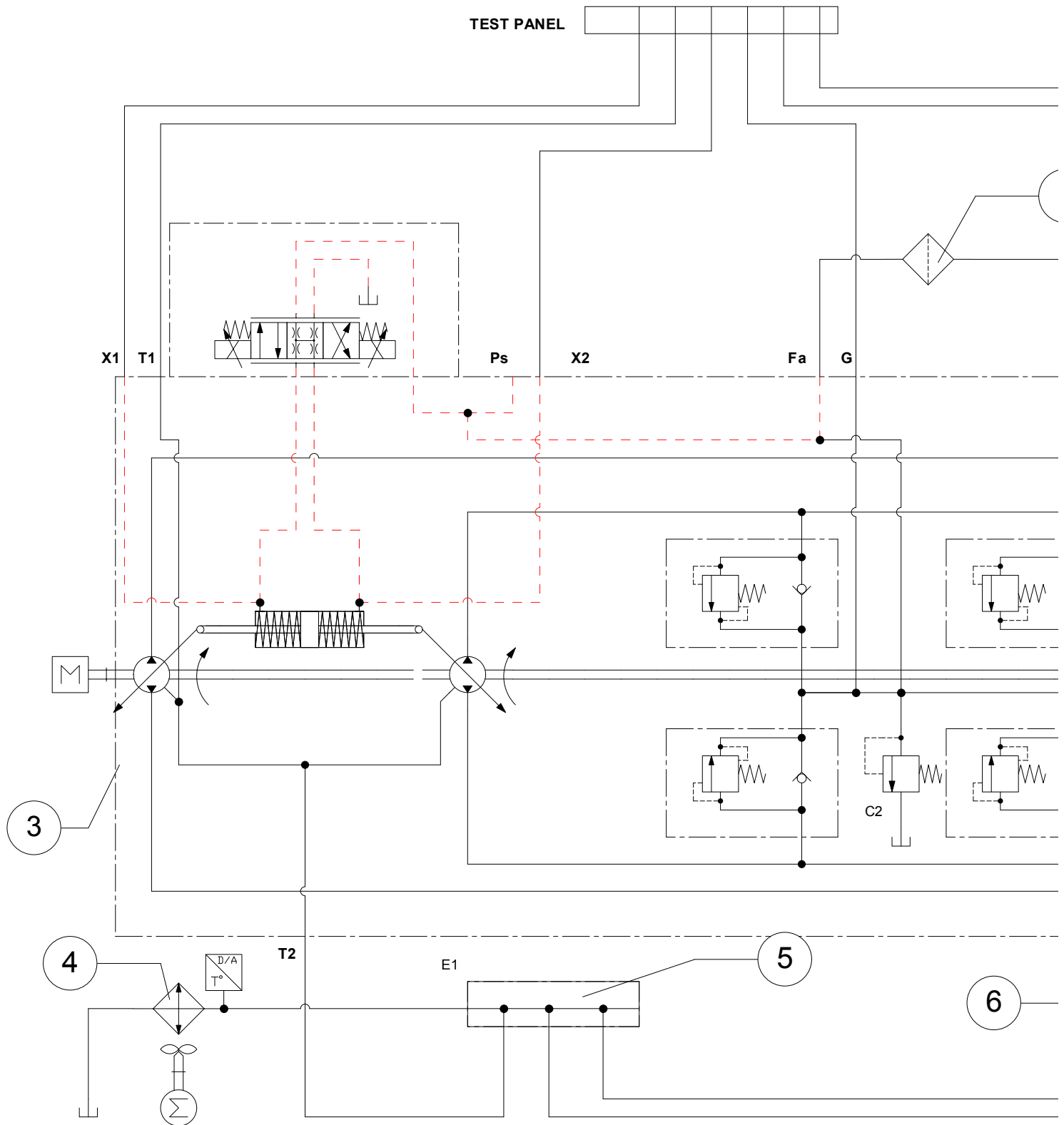
Electric Schematic Illustration

PARTS



PARTS

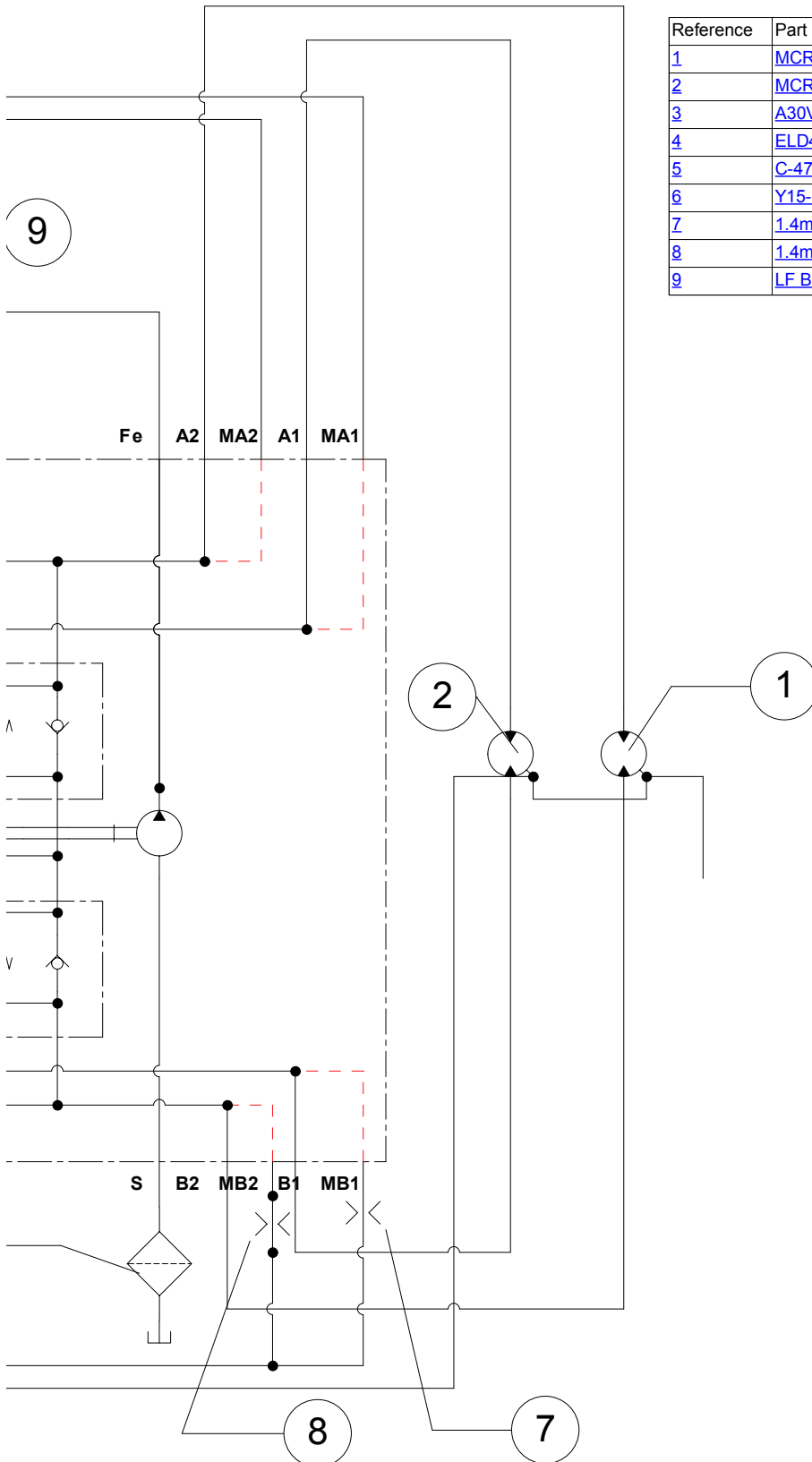
Hydraulic Schematic Illustration



Hydraulic Schematic Illustration

PARTS

Reference	Part Number	Quantity
1	MCR5C520F....	1
2	MCR5C520F....	1
3	A30VG028EP3....	1
4	ELD4.5H3.512B....	1
5	C-47536	1
6	Y15-149-2	1
7	1.4mm orifice	1
8	1.4mm orifice	1
9	LF BH/HC 110 I C....	1





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

