



TECHNICAL PUBLICATIONS

Parts Manual

HG1200

960-1014

Issue 2.0



HG1200

For replacement copy order P/N 960-1014
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Descriptions and specifications were current at the time of publication. However, The Charles Machine Works, Inc dba Hammerhead Trenchless reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. This manual may not reflect the most current version of your machine. Please visit www.hammerheadtrenchless.com for the most recent and up to date version.



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INTRODUCTION

HOW TO USE THIS MANUAL

This manual contains illustrations and parts list of components and assemblies which make up various HammerHead® models. Each page consists of the name of the assembly or component, a figure number, reference numbers, part numbers, part names, and the quantities of the parts used.

Assembly or component names help identify the illustration and parts for each figure. This name also helps locate the general area of the machine where the assembly or component can be located.

Figure numbers are used to identify each assembly or component and to group these assemblies or components into major categories.

Reference numbers shown in a column refers to the numbered parts in the illustration. This ties the part in the illustration to the part number and description in the parts list. Part numbers are used to identify individual parts or part assemblies.

Part descriptions provide the name of the part, plus additional information such as dimensional specifications and what parts are grouped together to form part assemblies, which helps you identify the part(s).

Quantities listed for each figure are only for that assembly or component and not the total used per machine unless stated so in the "Remarks" column.

This parts manual is not intended to be a complete guide for machine service or repairs. Contact your HammerHead dealer for any of your service or technical requirements.

ORDERING PARTS

Parts for repair or replacement are available through the worldwide network of authorized HammerHead dealers. The use of aftermarket replacement parts in your HammerHead equipment reduces performance and overall equipment life and may also void or interfere with the factory warranty.

Use only genuine HammerHead parts from your authorized dealer for repair or replacement. Always give the serial number and model number of the machine for which parts are being ordered. When ordering parts for component(s), which are not manufactured by HammerHead Trenchless Equipment, also give the serial number of that component(s). Order all parts by part number, part name, and quantity needed. Do not order parts by illustration reference numbers.

UPDATING AND REORDERING MANUALS

The parts lists, illustrations, and specifications in this manual are based on the latest information available at the time of publication. Your machine may have product improvements and options not yet contained in this manual. Please check the web site www.hammerheadtrenchless.com for any updates.

The Charles Machine Works, Inc dba Hammerhead Trenchless reserves the right to make changes at any time without notice or obligation to you. Your dealer will receive notice of these changes and can assist you with accurate parts identification when ordering.

A copy of this manual is supplied with each machine. Additional copies are available through your dealer. When ordering additional manuals, use the reorder number listed on the front cover and the quantity needed. Electronic copies of this manual are also available on the web at www.hammerheadtrenchless.com.

OPERATIONS INSTRUCTIONS

Instructions on recommended equipment use and maintenance can be found in the Operator's Manual shipped with your equipment. Operator's Manuals are also available on the web at www.hammerheadtrenchless.com.

Thank you for buying and using Genuine HammerHead® Trenchless Equipment, parts and accessories.

WARRANTY

Limited Warranty Policy

The Charles Machine Works, Inc dba Hammerhead Trenchless warrants each new industrial product of its own manufacture to be free from defects in material and workmanship, under normal use and service for one full year after delivery to the owner. During the warranty period, HammerHead shall furnish parts without charge for any HammerHead product that fails because of defects in material and workmanship. This warranty and any possible liability of HammerHead Trenchless here under is in lieu of all other warranties, express, implied, or statutory, including, but not limited to any warranties of merchantability or fitness for a particular purpose.

The parties agree that the Buyer's SOLE AND EXCLUSIVE REMEDY against HammerHead, whether in contract or arising out of warranties, representations, or defects shall be for the replacement or repair of defective parts as provided herein. In no event shall HammerHead's liability exceed the purchase price of the product. The Buyer agrees that no other remedy (including, but not limited to, incidental or consequential loss) shall be available to him. If, during the warranty period, any product becomes defective by reason of material or workmanship and Buyer immediately notifies HammerHead of such defect, HammerHead shall, at its option, supply a replacement part or request the return of the product to its plant in Lake Mills, Wisconsin. No part shall be returned without prior written authorization from HammerHead, and this warranty does not obligate HammerHead to bear any transportation charges in connection with the repair or replacement of defective parts. HammerHead Trenchless will not accept any charges for labor and/or parts incidental to the removal or remounting of parts repaired or replaced under this Warranty.

This Warranty shall not apply to any part or product which shall have been installed or operated in a manner not recommended by HammerHead nor to any part or product which shall have been neglected, or used in any way which, in HammerHead's opinion, adversely affects its performance; nor negligence of proper maintenance or other negligence, fire or other accident; nor with respect to wear items; nor if the unit has been repaired or altered outside of an HammerHead authorized dealership in a manner of which, in the sole judgment of HammerHead affects its performance, stability or reliability; nor with respect to batteries which are covered under a separate adjustment warranty; nor to any product in which parts not manufactured or approved by HammerHead have been used; nor to normal maintenance services or replacement of normal service items. Equipment and accessories not of our manufacture are warranted only to the extent of the original Manufacturer's Warranty and subject to their allowance to us, if found defective by them. HammerHead reserves the right to modify, alter, and improve any product or parts without incurring any obligation to replace any product or parts previously sold with such modified, altered, or improved product or part. No person is authorized to give any other Warranty, or to assume any additional obligation on HammerHead's behalf unless made in writing, and signed by an officer of HammerHead.

HAMMERHEAD TRENCHLESS

LAKE MILLS, WISCONSIN

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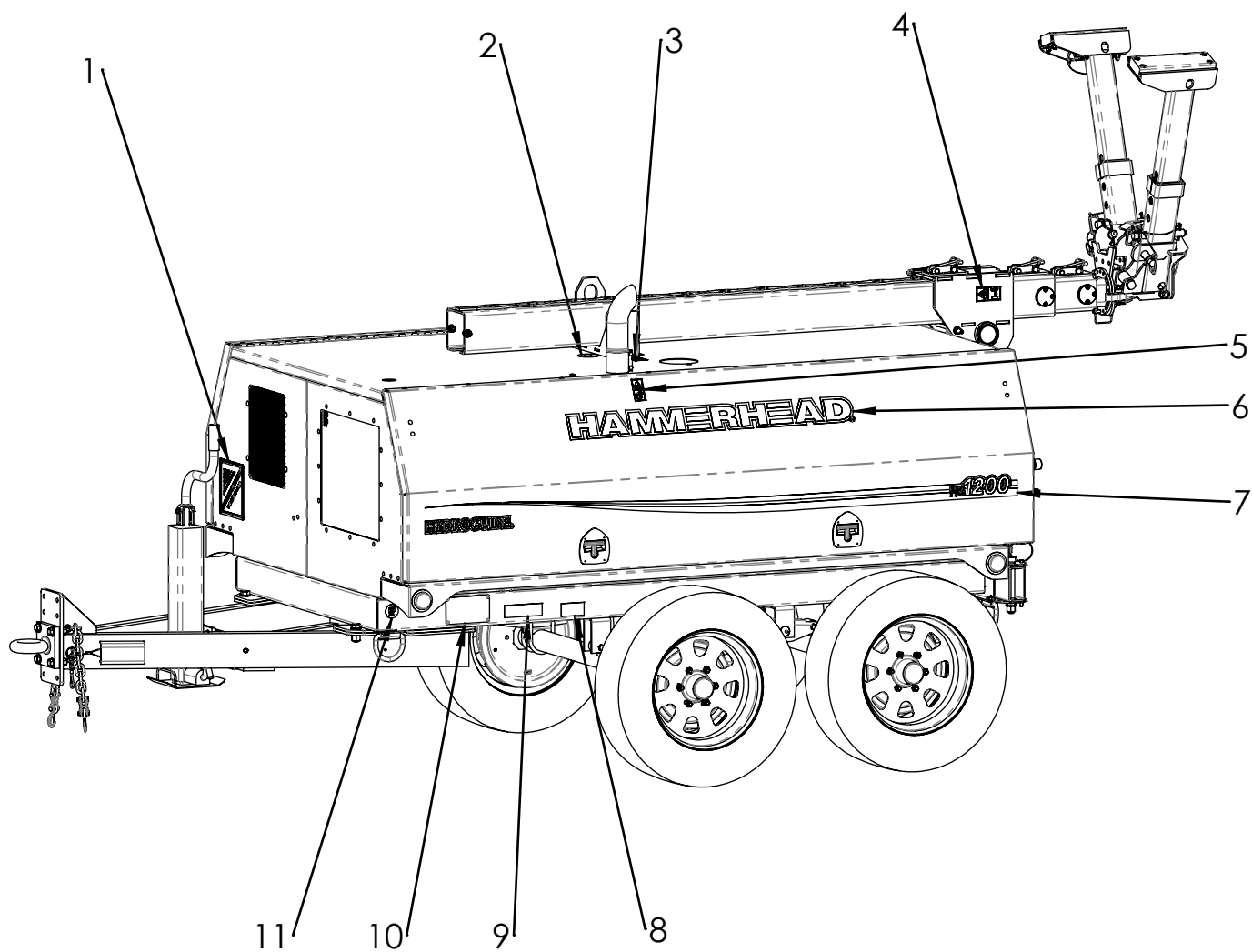
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DECALS

Left Side Decals - Axle Unit

HG1200



Left Side Decals - Axle Unit

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-4975	DECAL, HH MOUNTAIN SQ-8X8	1	
2	912-1130	DECAL, LIFT POINT	1	
3	923-2209	DECAL, FALLING LOAD (INT)	1	
4	923-2214	DECAL, HAND CRUSH (INT)	1	
5	923-2216	DECAL, HOT (INT)	1	
6	912-6300	DECAL, HAMMERHEAD - 45"	1	
7	912-6296	DECAL, HG1200 SWOOP - NOS	1	
8	912-6310	PLACARD, TIRE, HG1200	1	
9	912-4396	DECAL, SERIAL NO. TAG	1	
10	912-6424	TRAILER CERT PLATE, HG1200	1	
11	909-8195	DECAL, TIE DOWN (SMALL)	1	

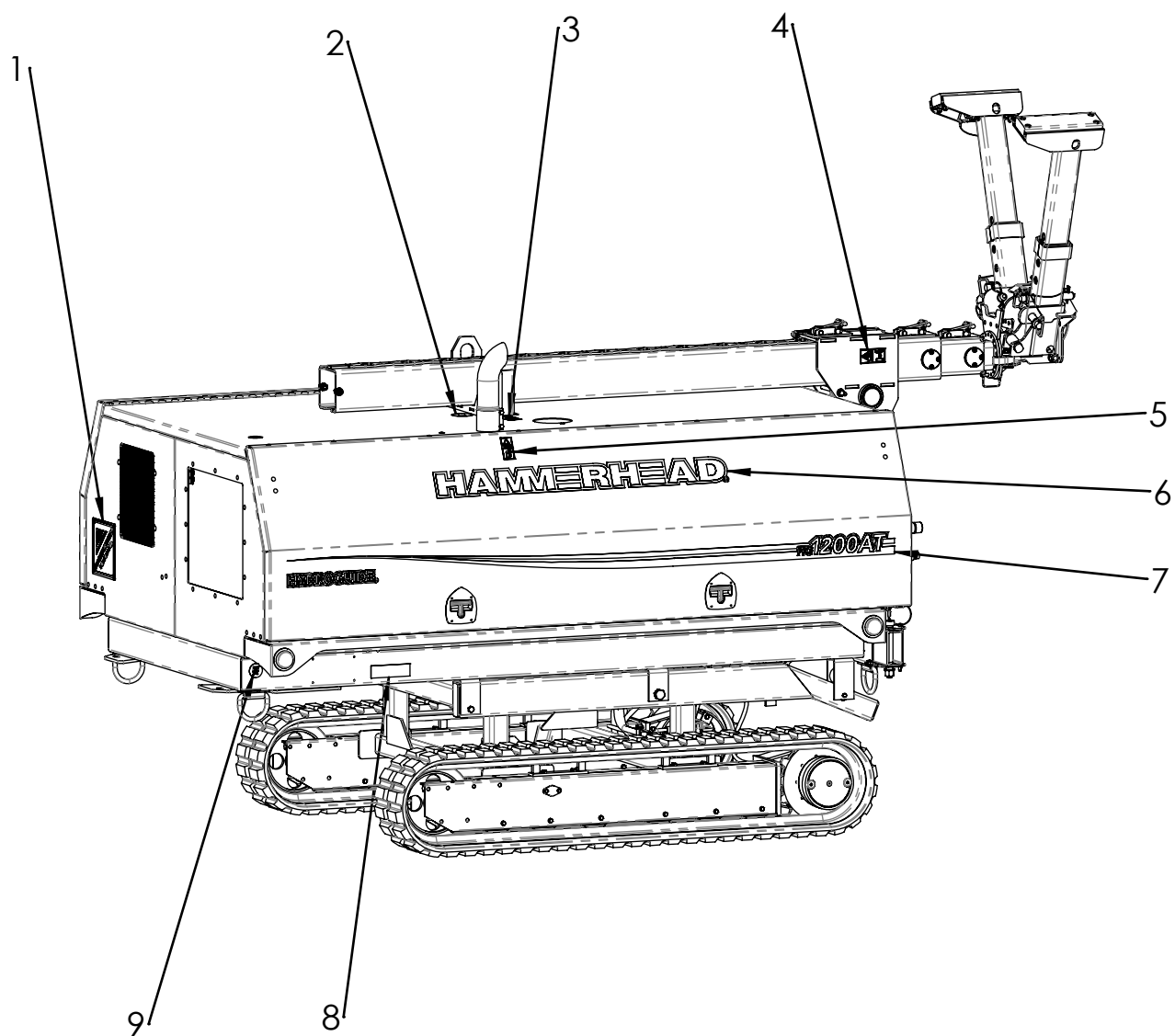
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Notes:

Left Side Decals - Tracks Unit

HG1200



Left Side Decals - Tracks Unit

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-4975	DECAL, HH MOUNTAIN SQ-8X8"	1	
2	912-1130	DECAL, LIFT POINT	1	
3	923-2209	DECAL, FALLING LOAD (INT)	1	
4	923-2214	DECAL, HAND CRUSH (INT)	1	
5	923-2216	DECAL, HOT (INT)	1	
6	912-6300	DECAL, HAMMERHEAD - 45"	1	
7	912-6298	DECAL, HG1200AT SWOOP - NOS	1	
8	912-4396	DECAL, SERIAL NO. TAG	1	
9	909-8195	DECAL, TIE DOWN (SMALL)	1	

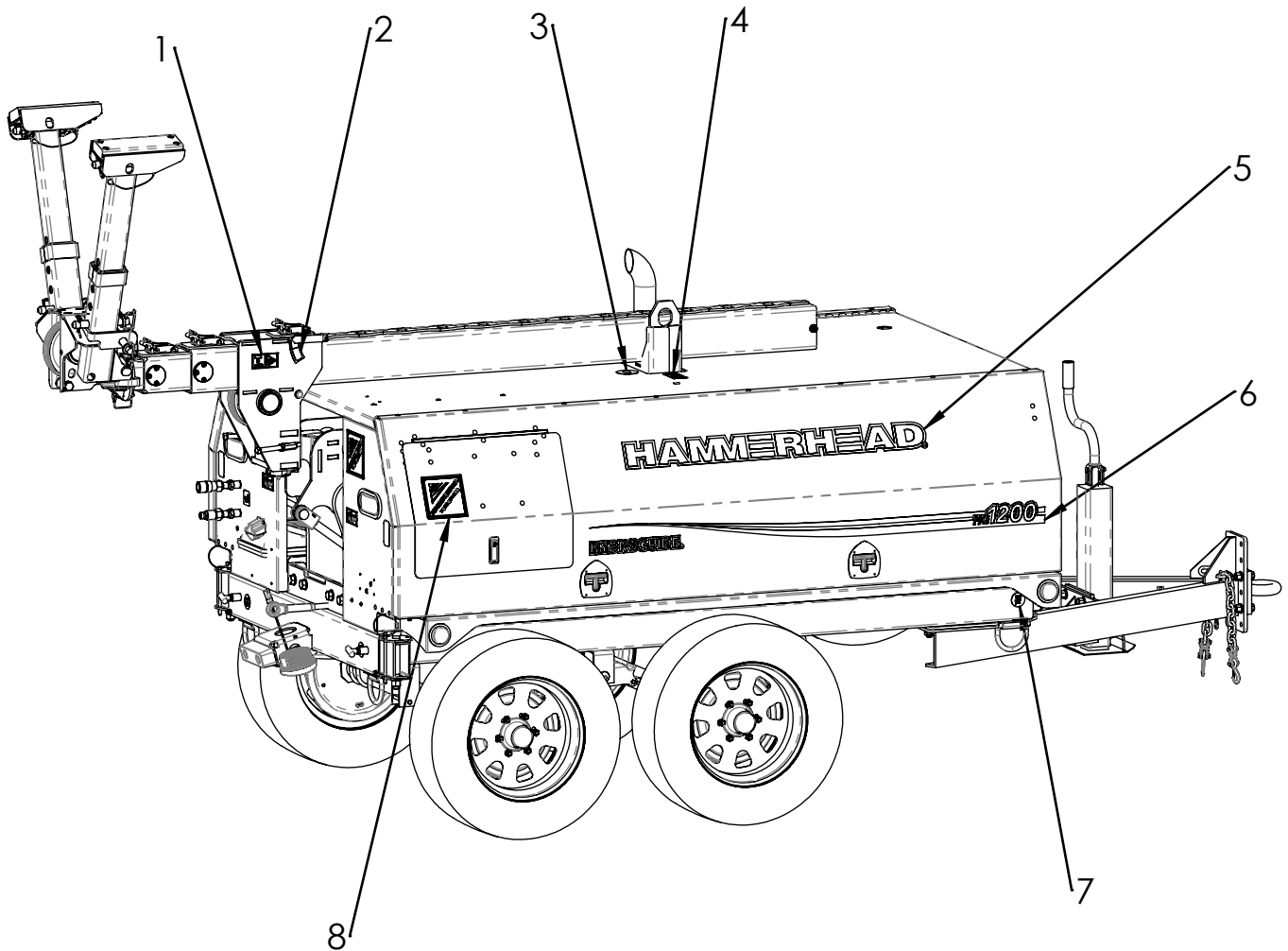
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Notes:

Right Side Decals - Axle Unit

HG1200



Right Side Decals - Axle Unit

HG1200

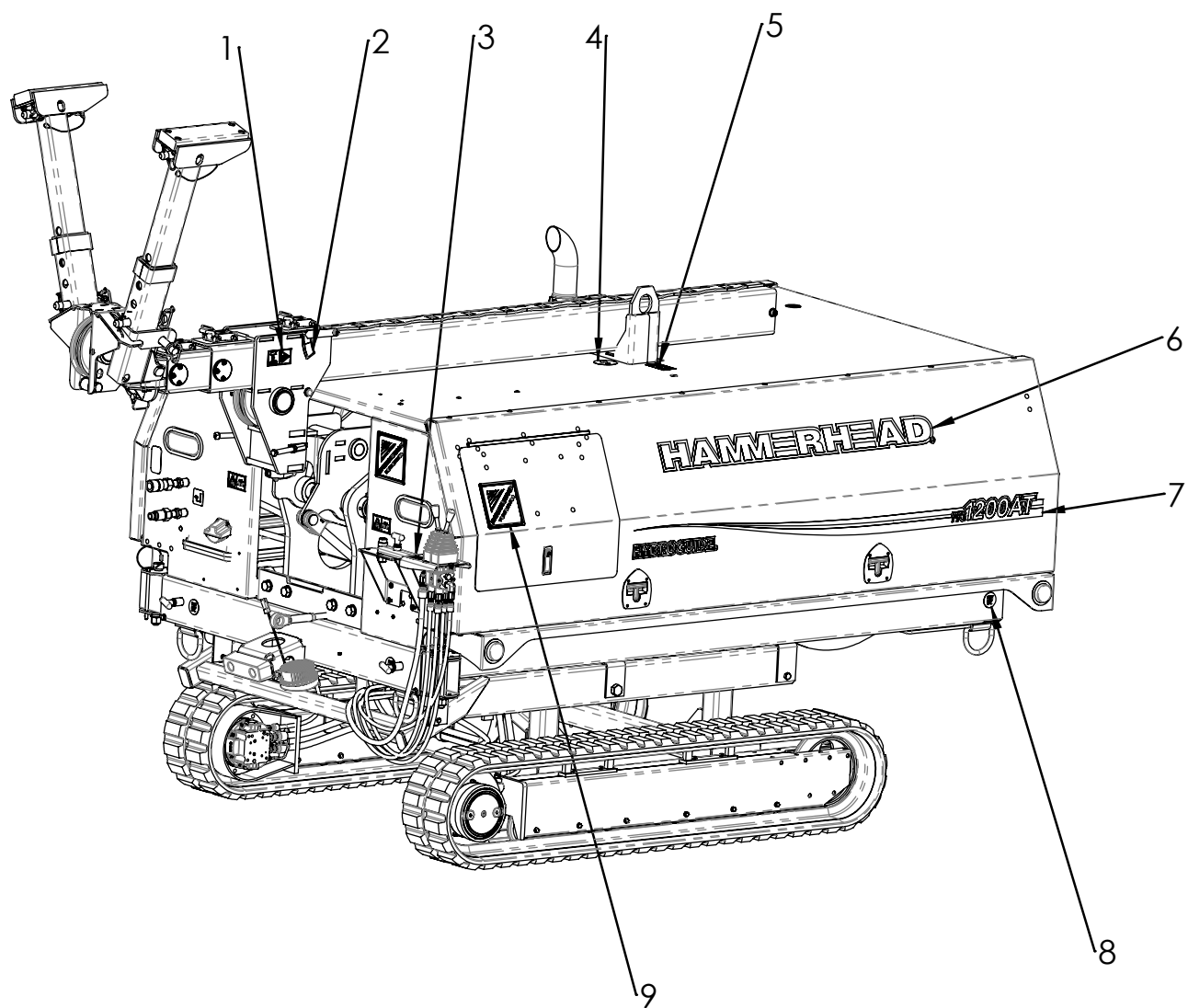
Bom ID	Part No	Description	Qty	Remarks
1	923-2214	DECAL, HAND CRUSH (INT)	1	
2	912-6132	DECAL, ANGLE OP	1	
3	912-1130	DECAL, LIFT POINT	1	
4	923-2209	DECAL, FALLING LOAD (INT)	1	
5	912-6300	DECAL, HAMMERHEAD - 45"	1	
6	912-6297	DECAL, HG1200 SWOOP - OS	1	
7	909-8195	DECAL, TIE DOWN (SMALL)	1	
8	912-4973	DECAL, HH MOUNTAIN SQ-6X6"	1	

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Notes:

Right Side Decals - Tracks Unit HG1200



Right Side Decals - Track Unit

HG1200

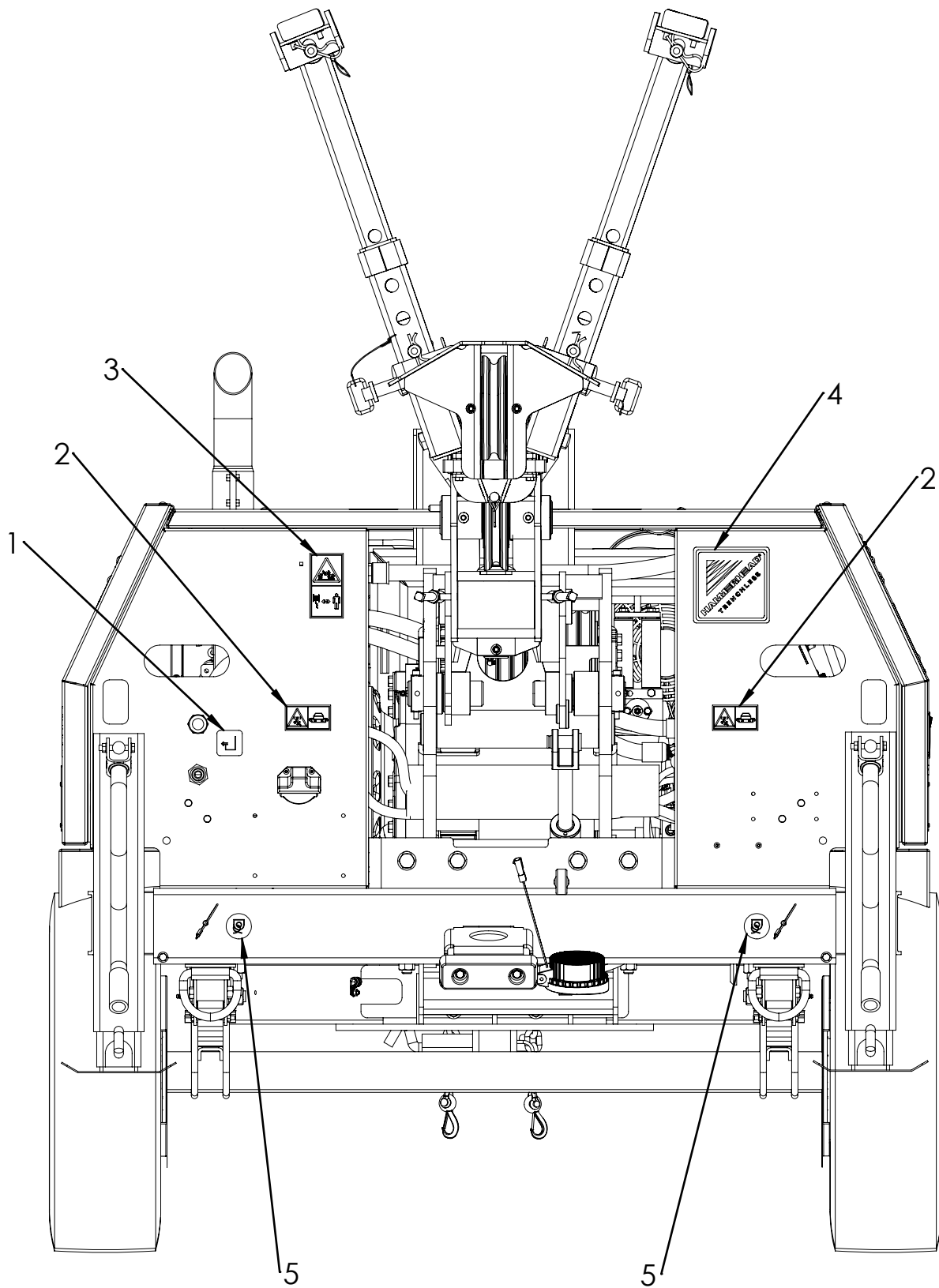
Bom ID	Part No	Description	Qty	Remarks
1	923-2214	DECAL, HAND CRUSH (INT)	1	
2	912-6132	DECAL, ANGLE OP	1	
3	912-6508	DECAL, TRACK DIRECTION	1	
4	912-1130	DECAL, LIFT POINT	1	
5	923-2209	DECAL, FALLING LOAD (INT)	1	
6	912-6300	DECAL, HAMMERHEAD - 45"	1	
7	912-6299	DECAL, HG1200AT SWOOP - OS	1	
8	909-8195	DECAL, TIE DOWN (SMALL)	1	
9	912-4973	DECAL, HH MOUNTAIN SQ-6X6	1	

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Footnotes:

Notes:

Rear Decals HG1200



Rear Decals

Bom ID	Part No	Description	Qty	Remarks
1	912-3961	DECAL, HYD POWER BEYOND	1	
2	923-2228	DECAL, STABILIZER	2	
3	923-2222	DECAL, CABLE STRIKE	1	
4	912-4973	DECAL, HH MOUNTAIN SQ-6X6	1	
5	909-8195	DECAL, TIE DOWN (SMALL)	2	

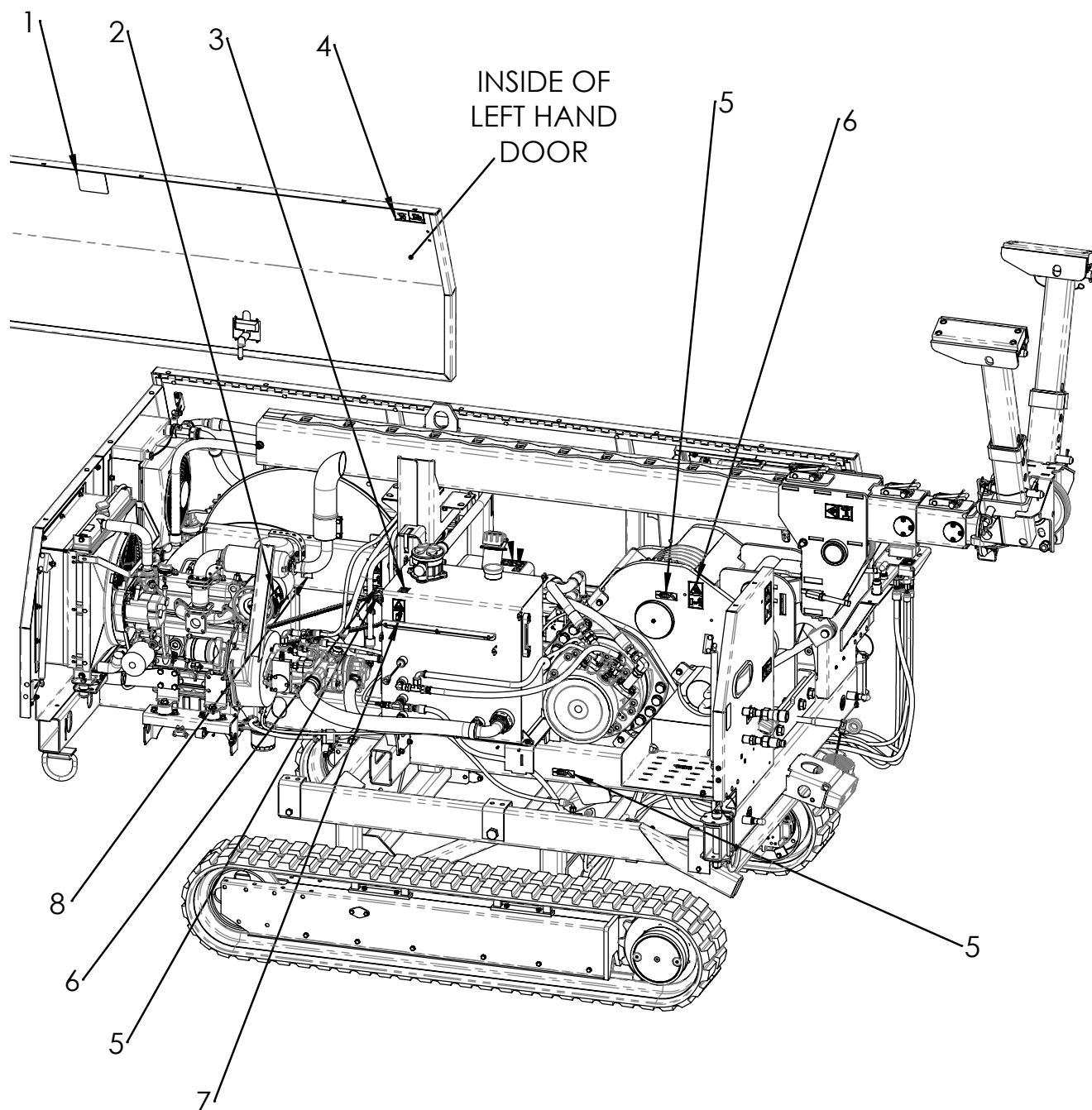
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Notes:

Left Side Interior Decals

HG1200



Left Side Interior Decals

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-2763	DECAL, WINCH SERVICE ISO	1	
2	270-5742	WARNING NO ETHER/STARTER FLUID ISO	1	
3	912-1131	DECAL, HYDRAULIC OIL (INT)	1	
4	913-0196	DECAL, COOLANT WARNING	1	
5	941-5613	DECAL, GREASE	5	
6	923-2214	DECAL, HAND CRUSH (INT)	2	
7	923-2216	DECAL, HOT (INT)	2	
8	913-7635	DECAL, OIL	1	

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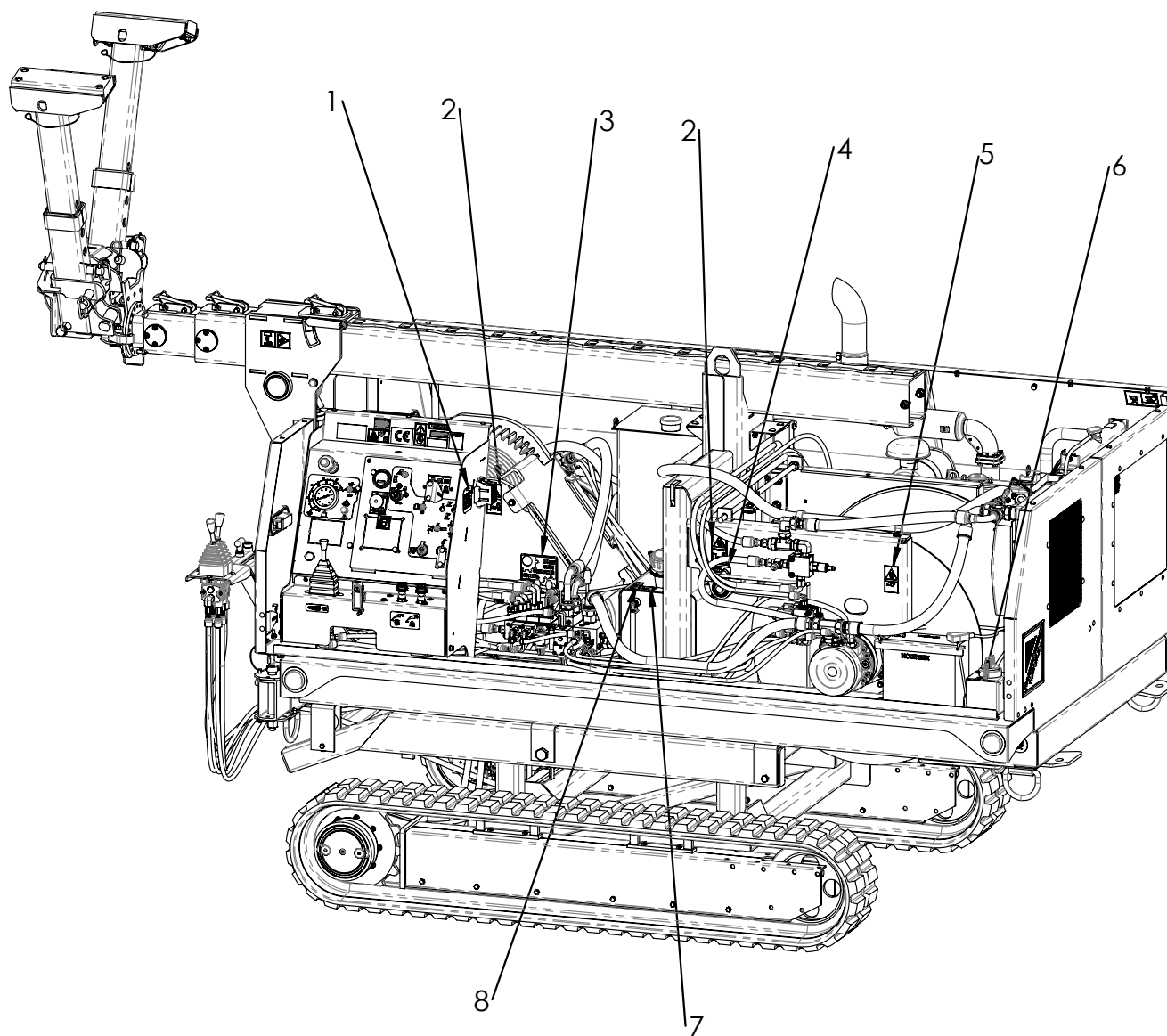
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ITEMS HAVE BEEN REMOVED FOR CLARITY.

Right Side Interior Decals

HG1200



Right Side Interior Decals

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6425	DECAL, FUSE PANEL	1	
2	923-2214	DECAL, HAND CRUSH (INT)	6	
3	912-6430	DECAL, GEAR LUBE	1	
4	941-5613	DECAL, GREASE	5	
5	913-0194	DECAL, BATTERY WARNING	1	
6	270-5131	DECAL, BATTERY DISCONNECT	1	
7	913-0195	DECAL, REFUELING WARNING	1	
8	913-0198	DECAL, DIESEL FUEL	1	

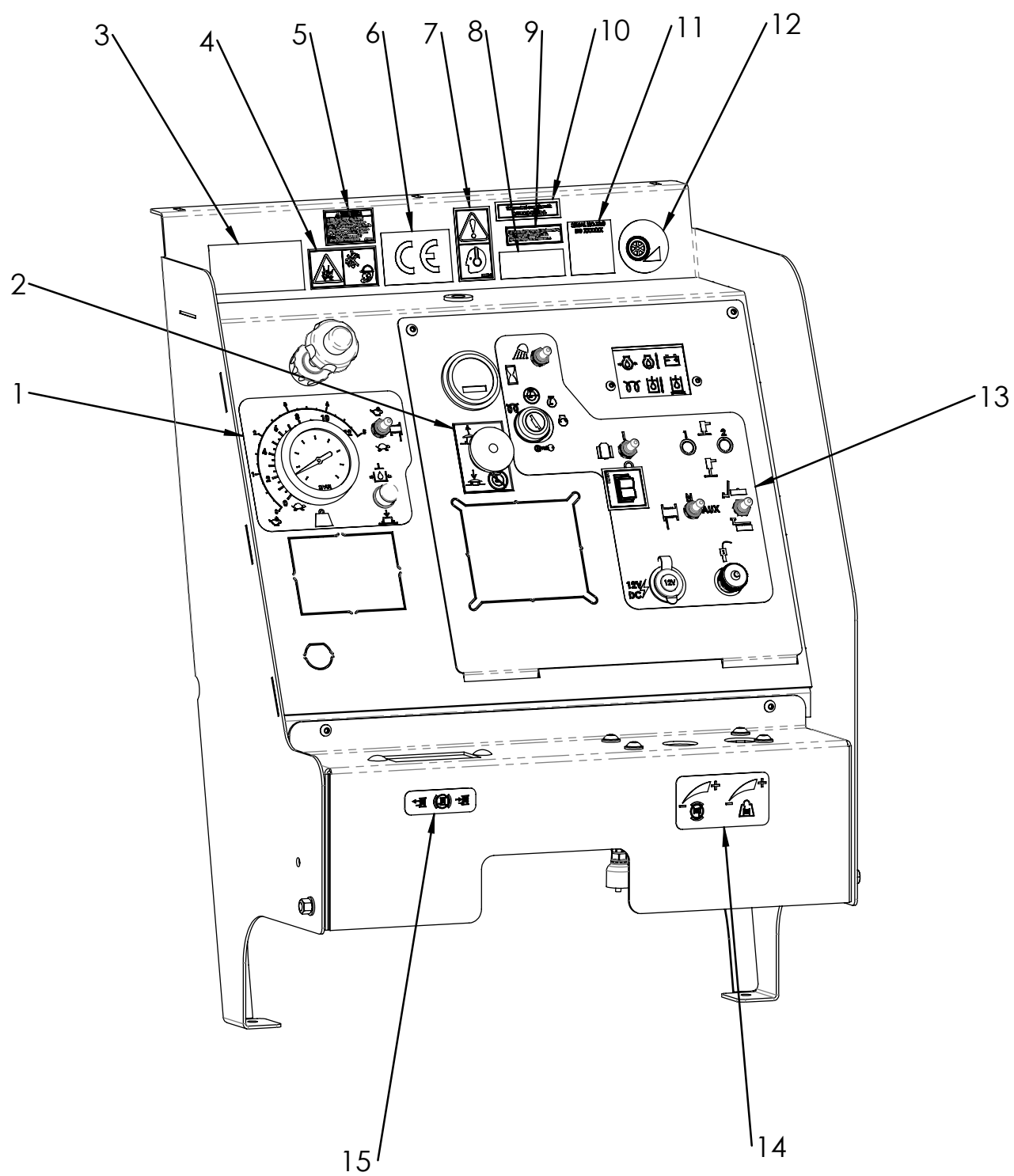
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Control Panel Decals

HG1200



Control Panel Decals

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6422	DECAL, HG1200 TONNAGE	1	
2	941-5637	DECAL, REMOTE STOP	1	
3	700-143	WARNING READ MANUAL ISO	1	
4	923-2232	DECAL, ONE CALL (INT)	1	
5	270-7950	CALIFORNIA PROP 65 WARNING - DIESEL	1	
6	274-364	CE MARK	1	
7	700-009	CAUTION WEAR HEARING PROTECTION	1	
8	270-6773	PATENT	1	
9	923-2223	DECAL, OPS MANUAL REPLACEMENT	1	
10	270-6297	CANADA ICES COMPLIANCE DECAL - ISSUE 5	1	
11	941-7651	DECAL, SERIAL NO., HG WINCHES	1	
12	941-5614	DECAL, WHEEL CHOCK	1	
13	912-6423	DECAL, POWER PANEL	1	
14	941-5634	DECAL, FLOW & PRESSURE	1	
15	941-5632	DECAL, VALVE CONTROL	1	

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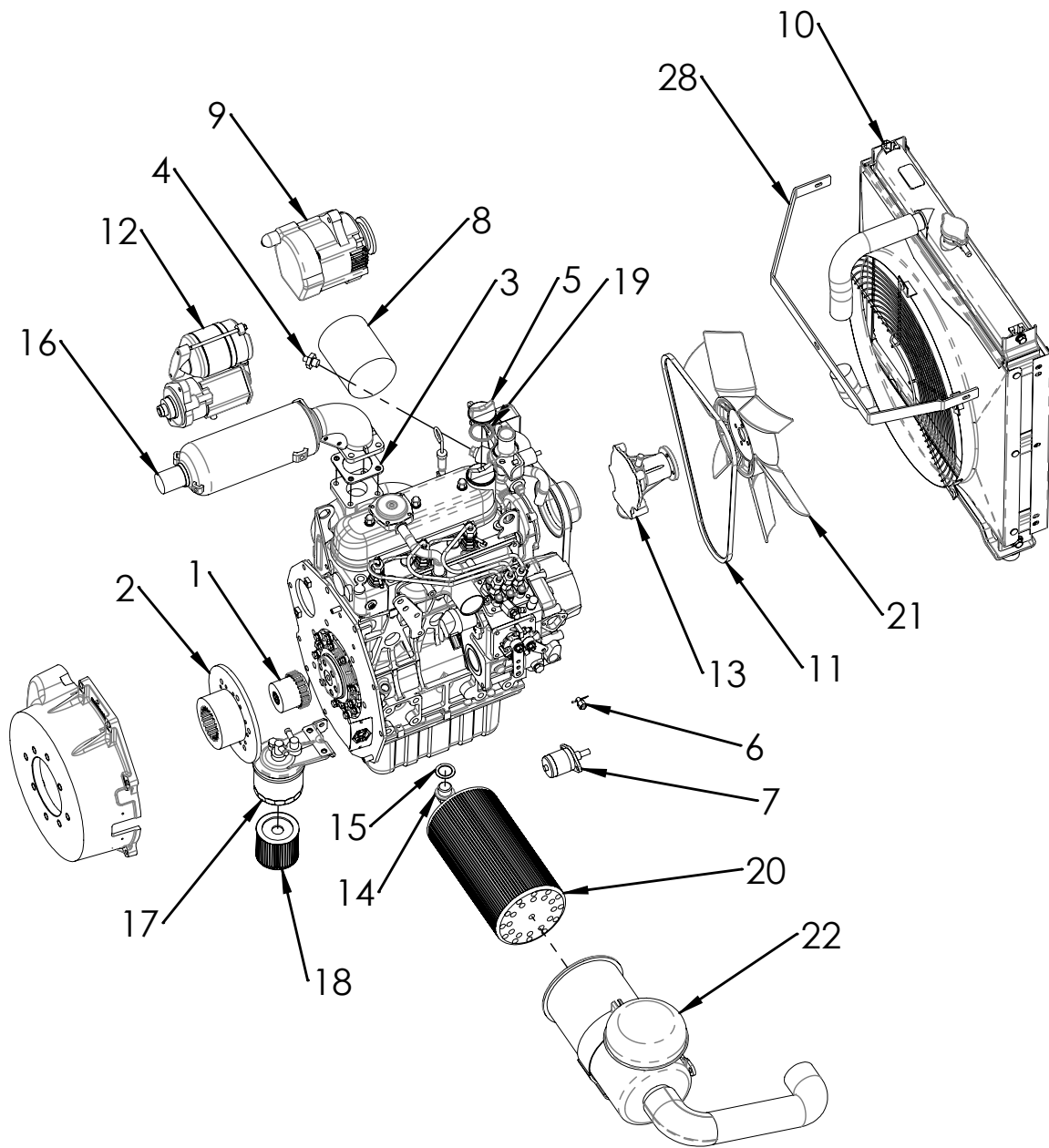
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Notes

ENGINE COMPONENTS

Engine Assembly

HG1200



Engine Assembly

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-4071	ADAPTER, HYD PUMP	1	
2	912-4072	HUB	1	
3	912-2539	GASKET, MUFFLER	1	
4	912-4064	SWITCH, TEMPERATURE	1	
5	941-4042	CAP, VALVE COVER	1	
6	913-7741	PIVOT, CABLE	1	
7	912-2654	STOP SOLENOID ASSY	1	
8	912-2543	OIL FILTER	1	
9	912-2544	ALTERNATOR ASSEMBLY	1	
10	912-6157	RADIATOR ASSEMBLY	1	
11	912-2542	V-BELT	1	
12	912-4174	STARTER	1	
13	912-2552	WATER PUMP ASSEMBLY	1	
14	941-4041	PLUG, DRAIN	1	
15	912-4075	GASKET, DRAIN PLUG	1	
16	912-6154	MUFFLER	1	
17	912-2563	FUEL FILTER ASSEMBLY	1	
18	912-2565	FUEL FILTER	1	
19	902-0157	O-RING OUTER SEAL	1	
20	912-2607	FILTER, AIR	1	
21	912-5088	PUSHER FAN	1	
22	912-2606	AIR CLEANER ASSEMBLY	1	
23	912-6166	RADIATOR SUPPORT	1	

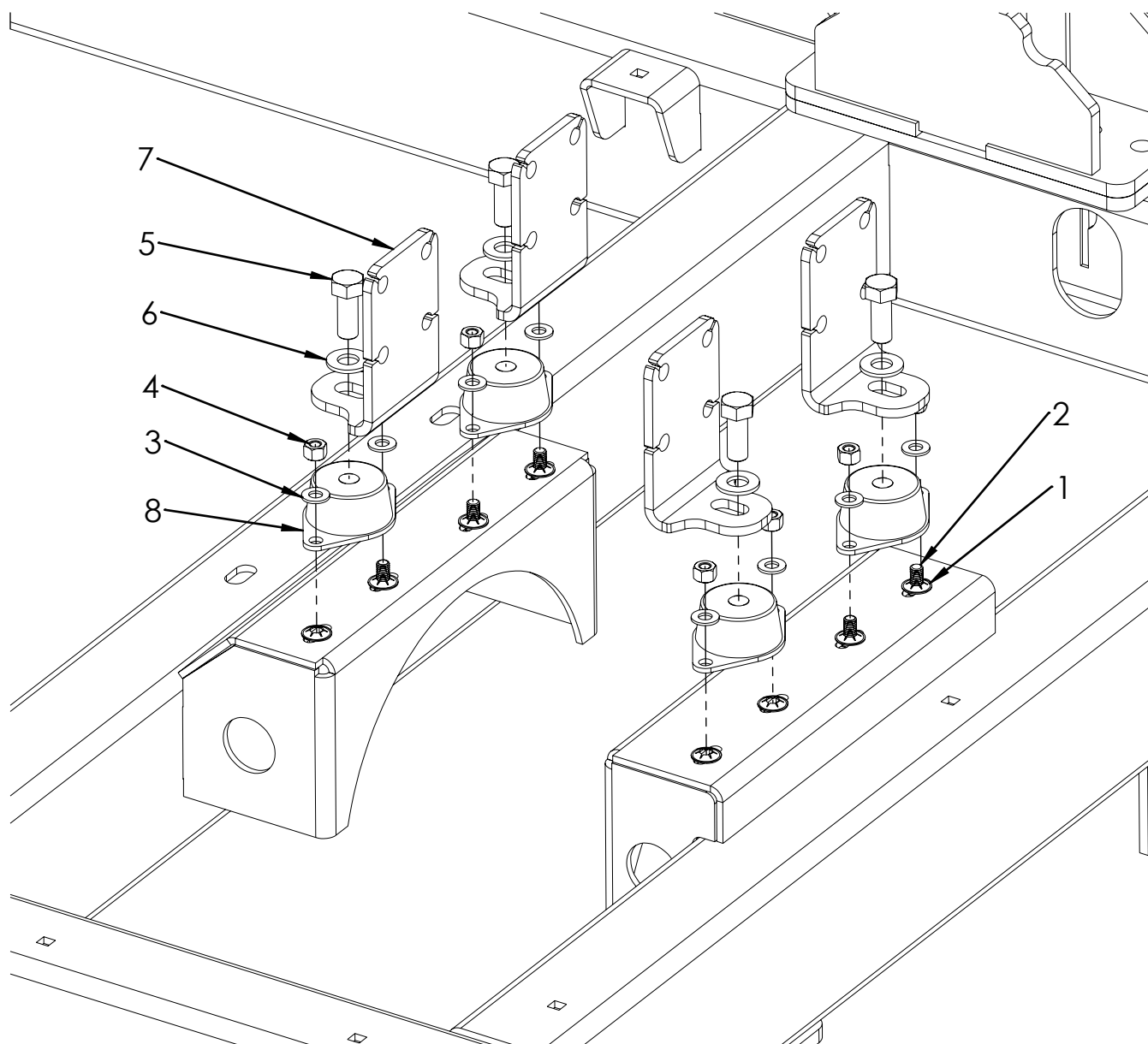
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Notes:

Engine Mounts

HG1200



Engine Mounts

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-5303	PUSH NUT, RETAINER 5/16"	8	
2	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	8	
3	05FW-SAE	WASHER, 5/16"	8	
4	05TLN	NUT, 5/16-18 TOP LOCK	8	
5	08HH20F	SCREW, 1/2-20 x 1.25 HHC - GR8	4	
6	08FW-SAE	WASHER, 1/2"	4	
7	941-5138	MOUNT, MOTOR	4	
8	912-4096	ISOLATOR, RUBBER 1/2-20	4	

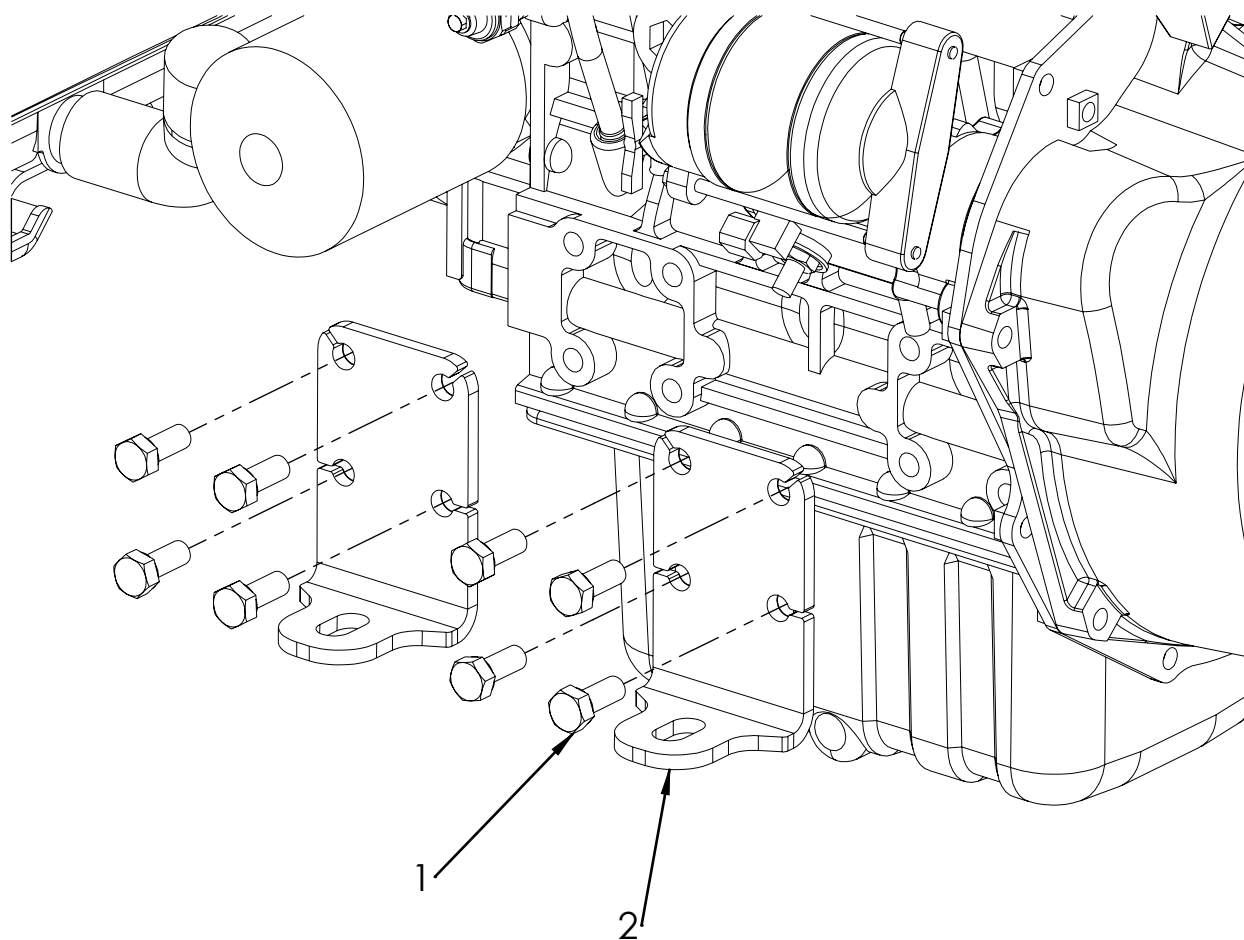
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Engine Mounts

HG1200



Engine Mounts
HG1200

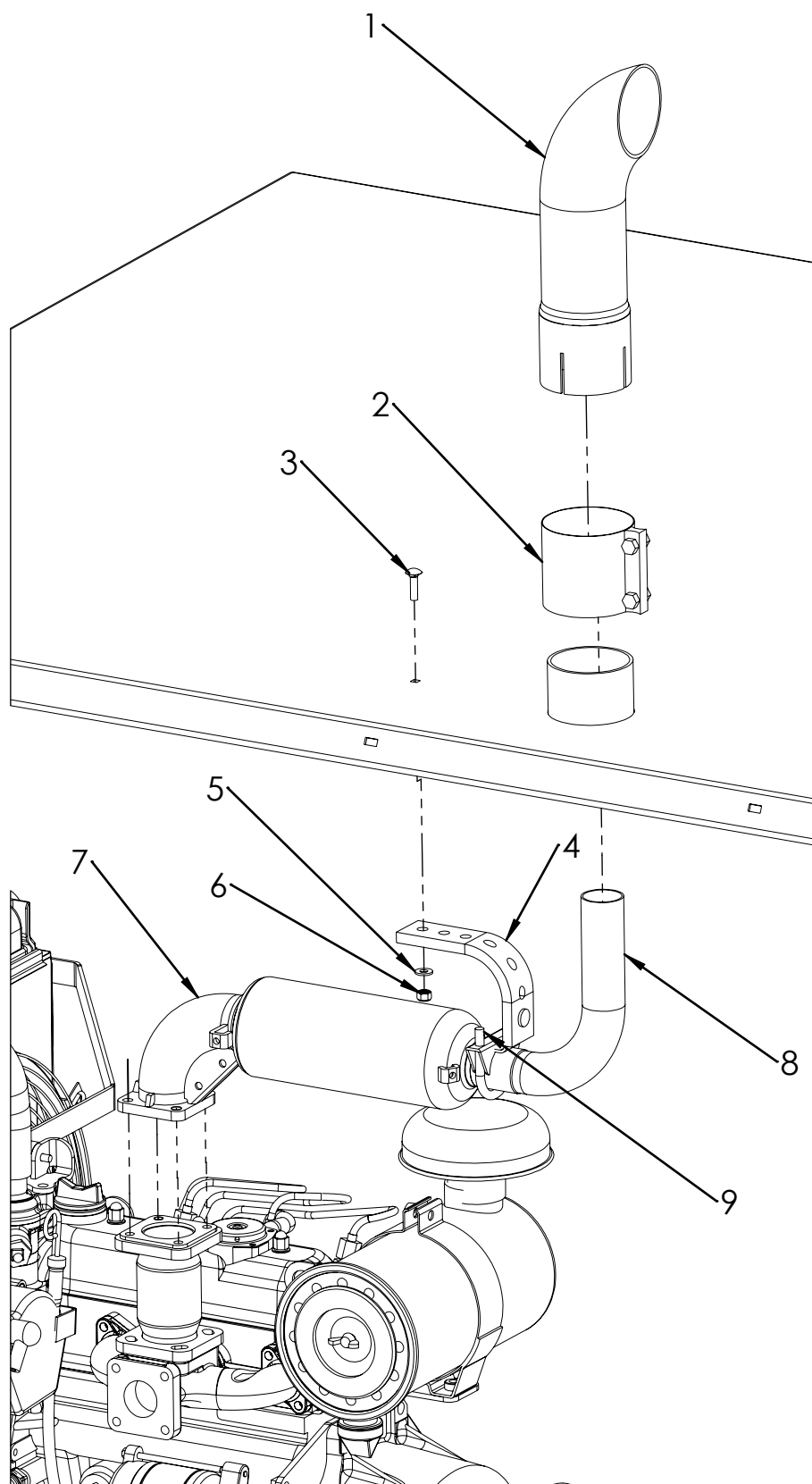
Bom ID	Part No	Description	Qty	Remarks
1	M10HH25F	SCREW, M10-1.25mm x 25mm HHC	16	
2	941-5138	MOUNT, MOTOR	4	

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Footnotes:

Notes:

Exhaust HG1200



Exhaust

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6285	EXHAUST TURNOUT, 3.0"	1	
2	912-6169	CLAMP, EXHAUST	1	
3	04CB16	BOLT, 1/4-20 x 1 CARRIAGE	1	
4	912-6156	HANGER, MUFFLER	1	
5	04FW-SAE	WASHER, 1/4"	1	
6	04TLN	NUT, 1/4-20 TOP LOCK	1	
7	912-6150	ENGINE, D1105	1	
8	912-6142	ELBOW, EXHAUST	1	
9	912-1062	CLAMP MUFFLER 1.5"	1	

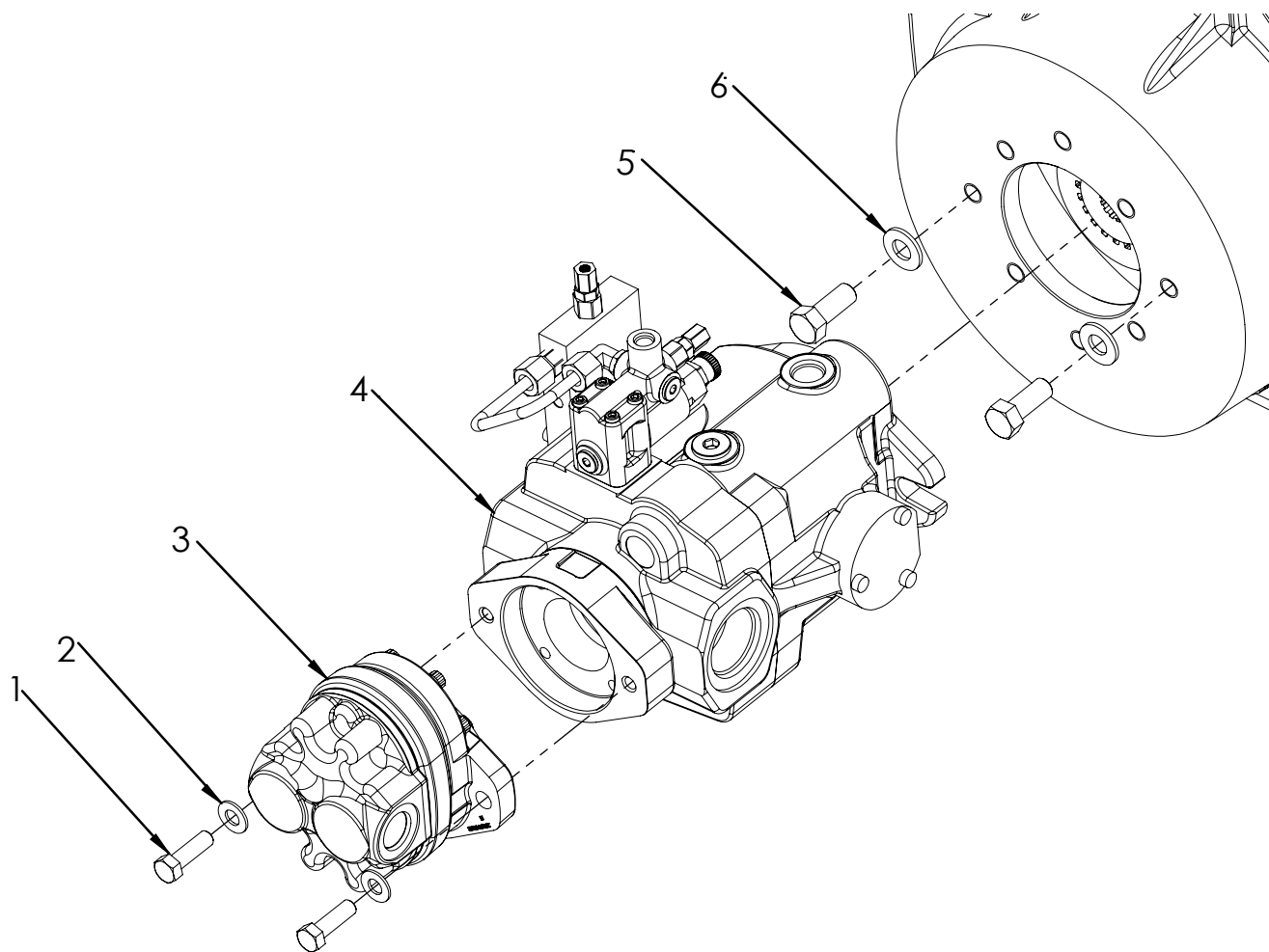
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Notes:

Hydraulic Pumps to Engine

HG1200



Hydraulic Pumps to Engine

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	06HH20	SCREW, 3/8-16 x 1.25 HHC - GR8	2	
2	06FW-SAE	WASHER, 3/8"	2	
3	941-4698	GEAR PUMP, EATON	1	
4	912-6201	PUMP, HYDRAULIC - THRU DRIVE	1	
5	08HH20	SCREW, 1/2-13 x 1.25 HHC - GR8	2	
6	08FW-SAE	WASHER, 1/2"	2	

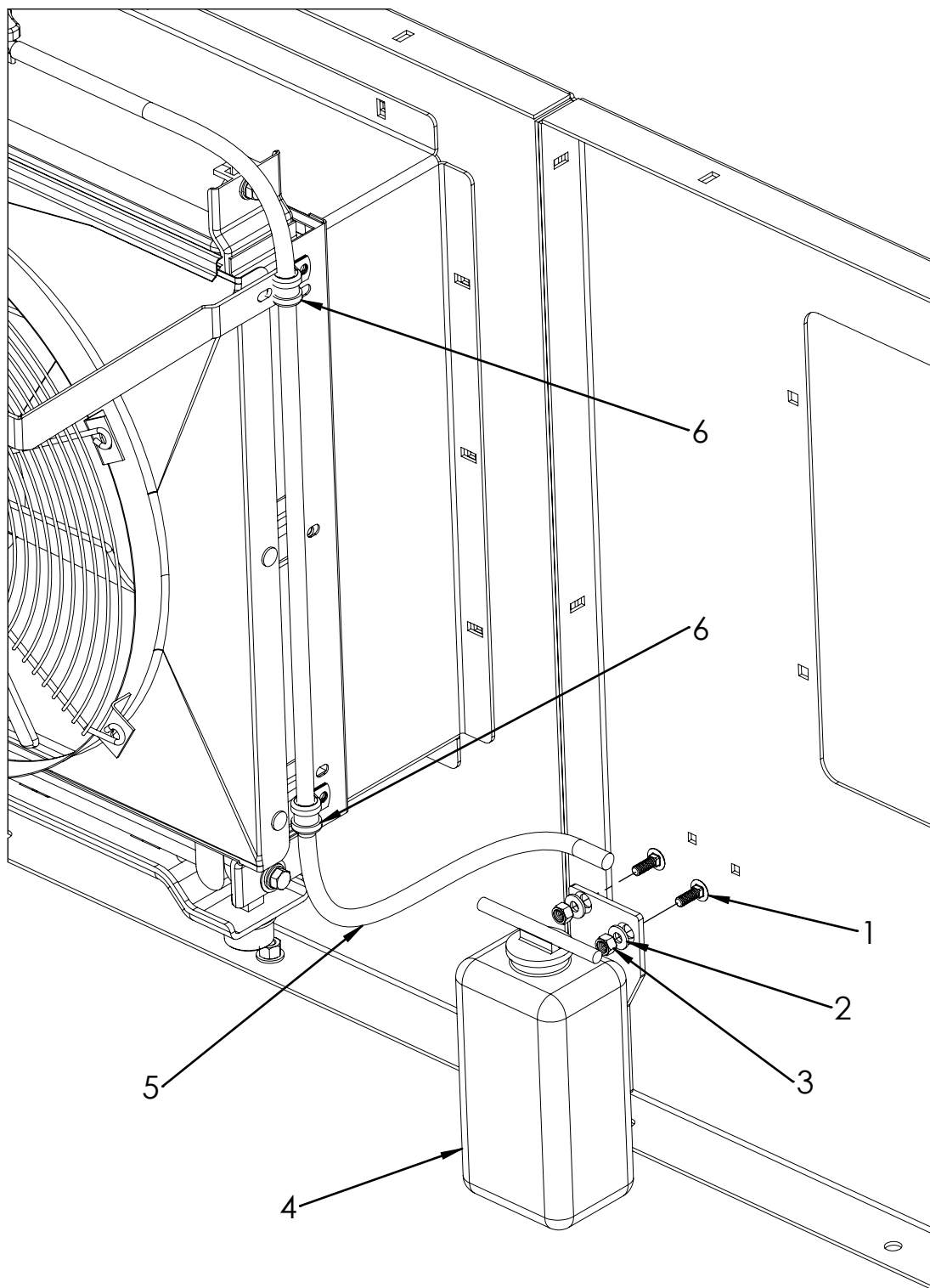
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Notes:

Reservoir Tank

HG1200



Reservoir Tank

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	2	
2	04FW-SAE	WASHER, 1/4"	2	
3	04TLN	NUT, 1/4-20 TOP LOCK	2	
4	912-4066	RESERVE TANK ASSEMBLY	1	
5	912-6293	HOSE, 5/16" ID x 32"	1	
6	909-8396	CLAMP, HOSE 1/2"	2	

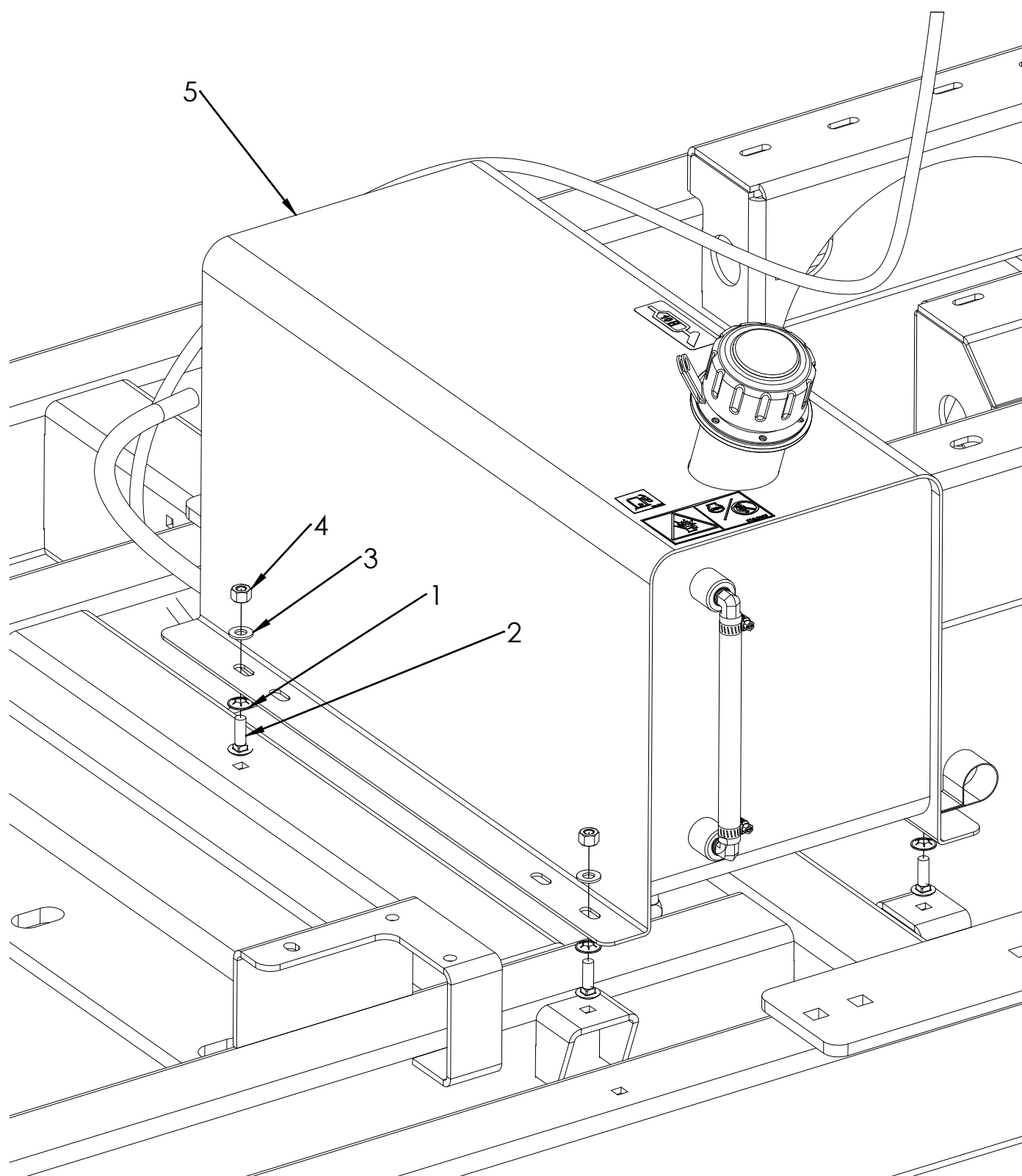
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Notes:

Fuel Tank to Frame

HG1200



Fuel Tank to Frame

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-5303	PUSH NUT, RETAINER 5/16"	4	
2	05CB16	BOLT, 5/16-18 x 1 CARRIAGE	4	
3	05FW-SAE	WASHER, 5/16"	4	
4	05TLN	NUT, 5/16-18 TOP LOCK	4	
5	190-2666	TANK ASSEMBLY	1	

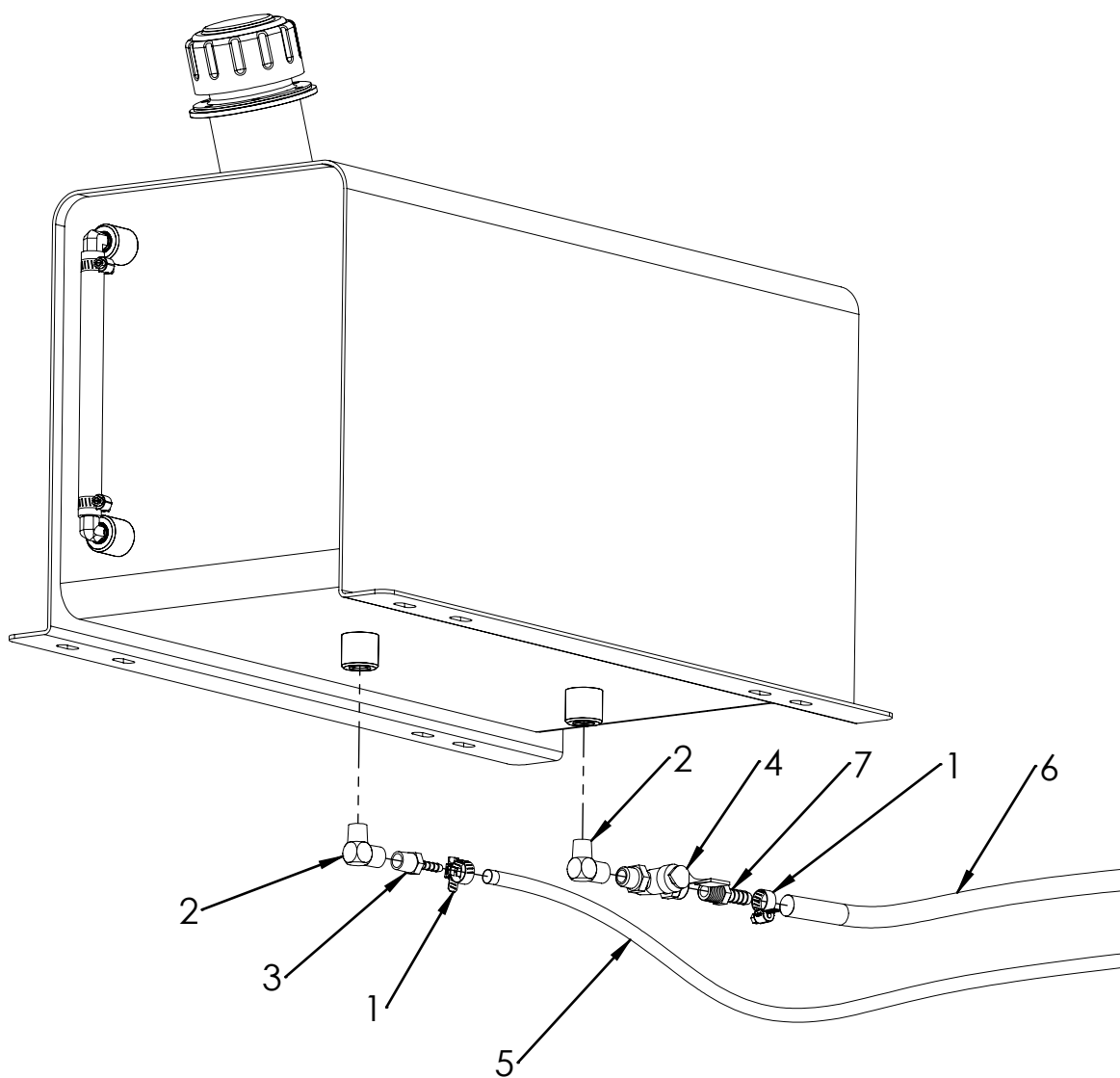
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Notes:

Fuel Lines to Fuel Tank

HG1200



Fuel Lines to Fuel Tank

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Bom ID	Part No	Description	Qty	Remarks
1	912-1038	CLAMP, HOSE 1/4"	2	
2	909-8163	ELBOW, 4MP-4FP 90 DEGREE	2	
3	912-1040	FITTING, 3-4 MP	1	
4	913-7130	FUEL SHUT-OFF PLUG VALVE	1	
5	912-6161	HOSE, 3/16" FUEL x 70"	1	
6	912-6162	HOSE, 5/16" FUEL x 28"	1	
7	913-7083	FITTING, BARB 5/16 x 1/4" NPT	1	

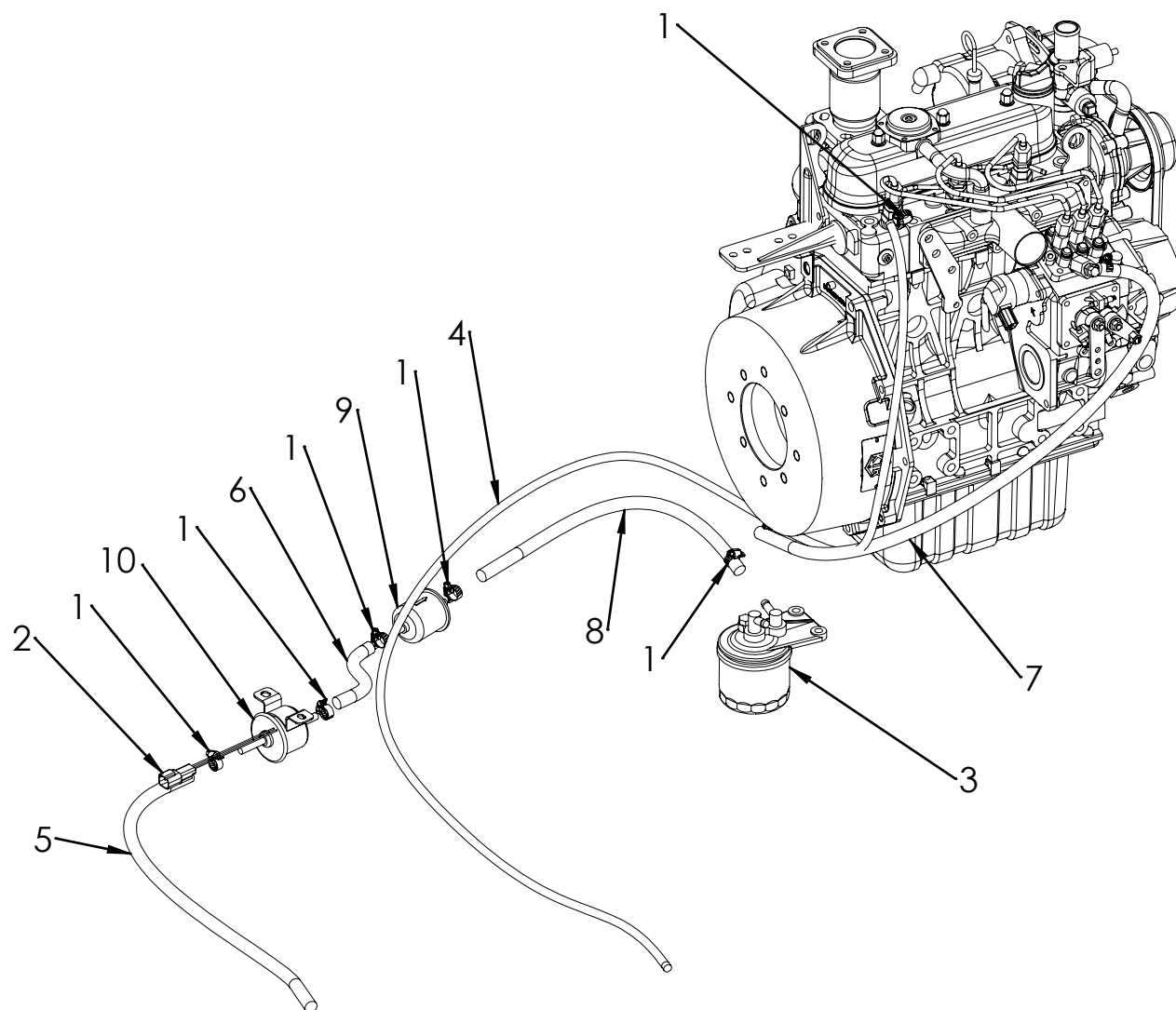
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Notes:

Fuel Lines to Engine

HG1200



Fuel Lines to Engine

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-1038	CLAMP, HOSE 1/4"	8	
2	912-4225	RECEPTACLE 2-WAY	1	
3	912-2563	FUEL FILTER ASSEMBLY	1	
4	912-6161	HOSE, 3/16" FUEL x 70"	1	
5	912-6162	HOSE, 5/16" FUEL x 28"	1	
6	912-6163	HOSE, 5/16" FUEL x 8"	1	
7	912-6165	HOSE, 5/16" FUEL x 31"	1	
8	912-6164	HOSE, 5/16" FUEL x 15"	1	
9	912-3707	FILTER, FUEL	1	
10	912-6159	PUMP, FUEL, ELECTRIC	1	

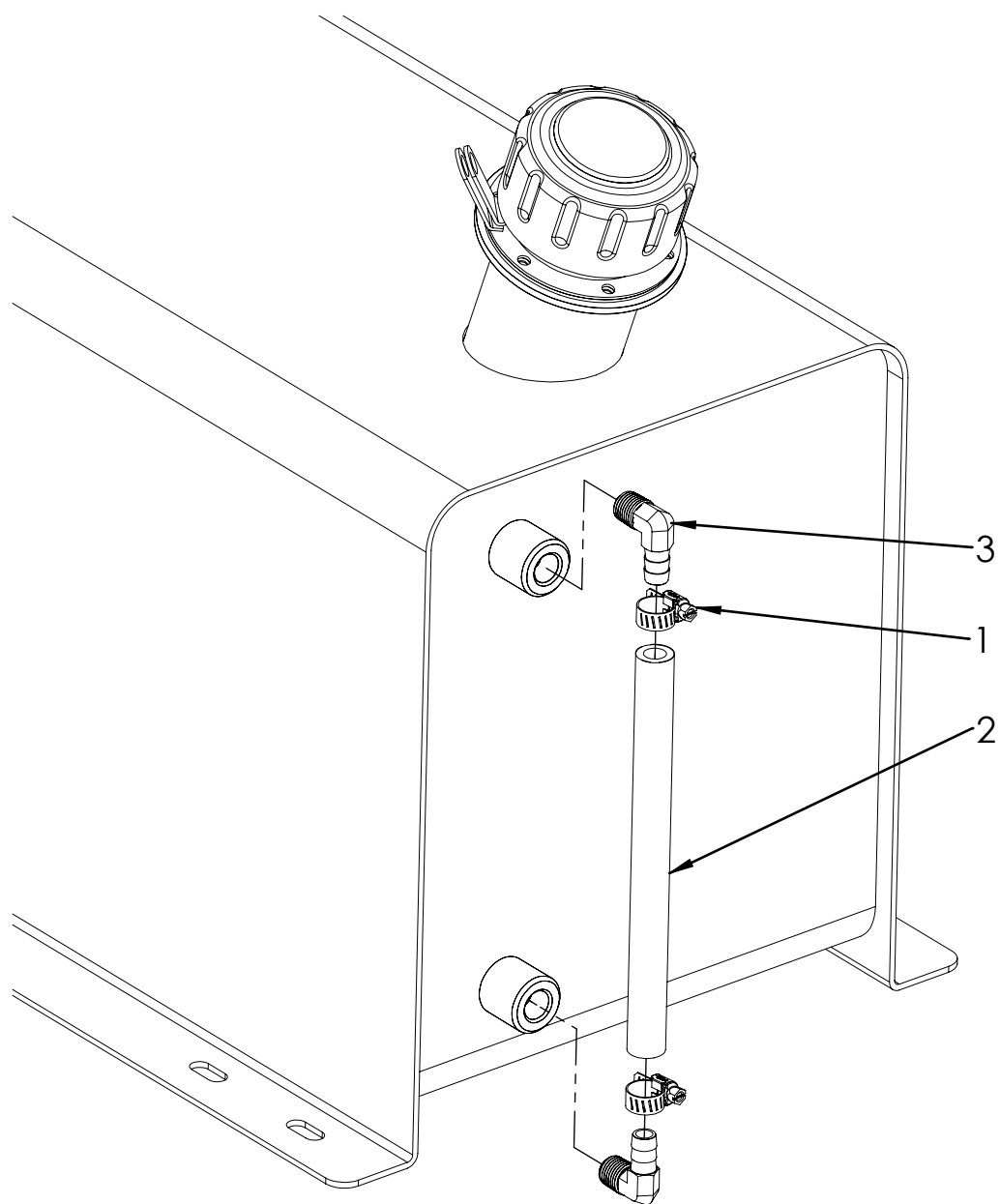
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Notes:

Fuel Tank Assembly

HG1200



Fuel Tank Assembly
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-1038	CLAMP, HOSE 1/4"	2	
2	912-6144	TUBE, FUEL LEVEL	1	
3	912-6294	ELBOW, 1/4 NPT X 3/8 BARB	2	

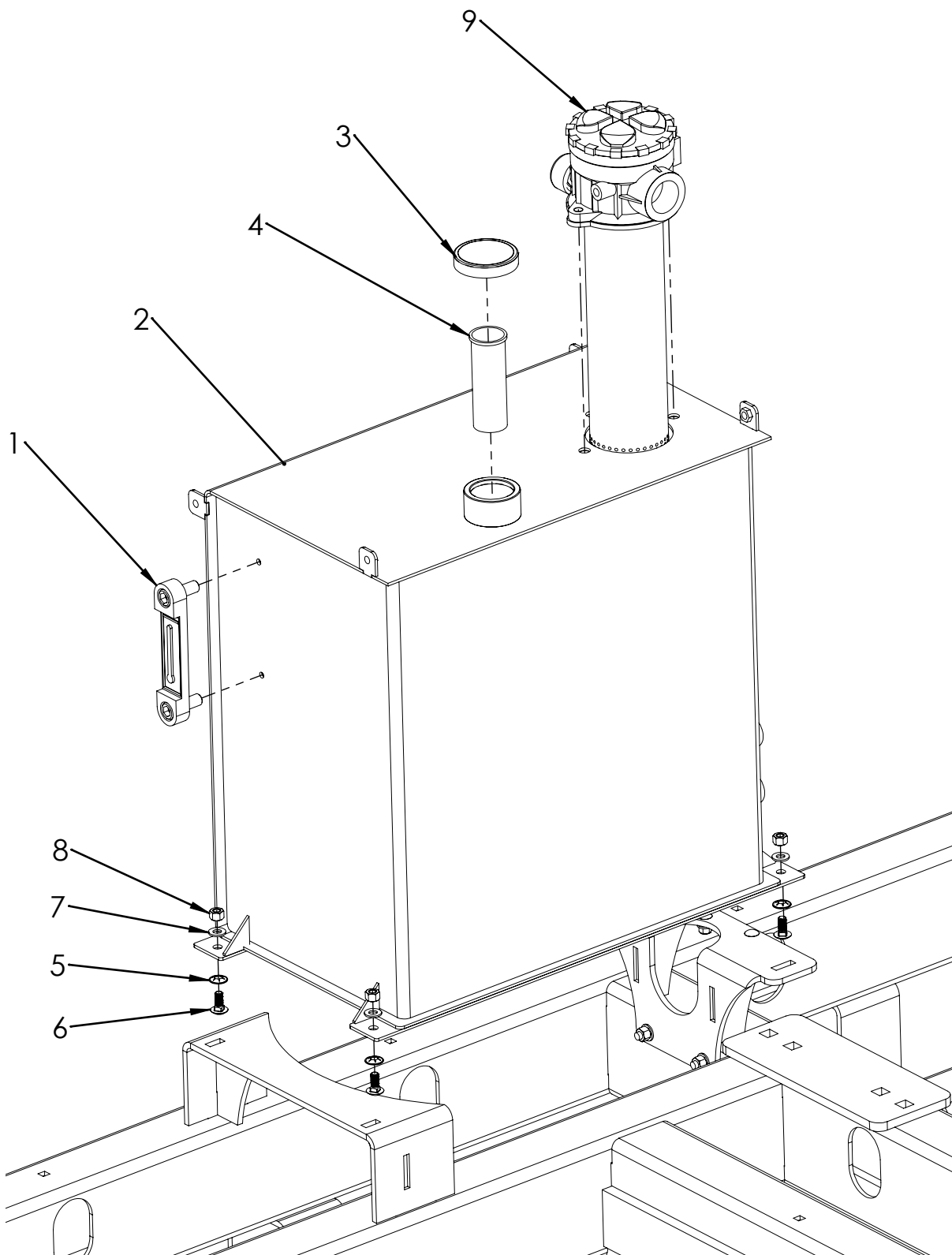
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Hydraulic Tank Assembly

HG1200



Hydraulic Tank Assembly

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4656	GAUGE, OIL LEVEL W/TEMP	1	
2	941-4719	TANK WELDMENT	1	
3	941-4780	CAP, NON-VENTED	1	
4	913-7142	STRAINER, OIL FILL	1	
5	941-5303	PUSH NUT, RETAINER 5/16"	4	
6	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	4	
7	05FW-SAE	WASHER, 5/16"	4	
8	05TLN	NUT, 5/16-18 TOP LOCK	4	
9	941-4766	FILTER HOUSING ASSEMBLY	1	

Not Shown:

Footnotes:

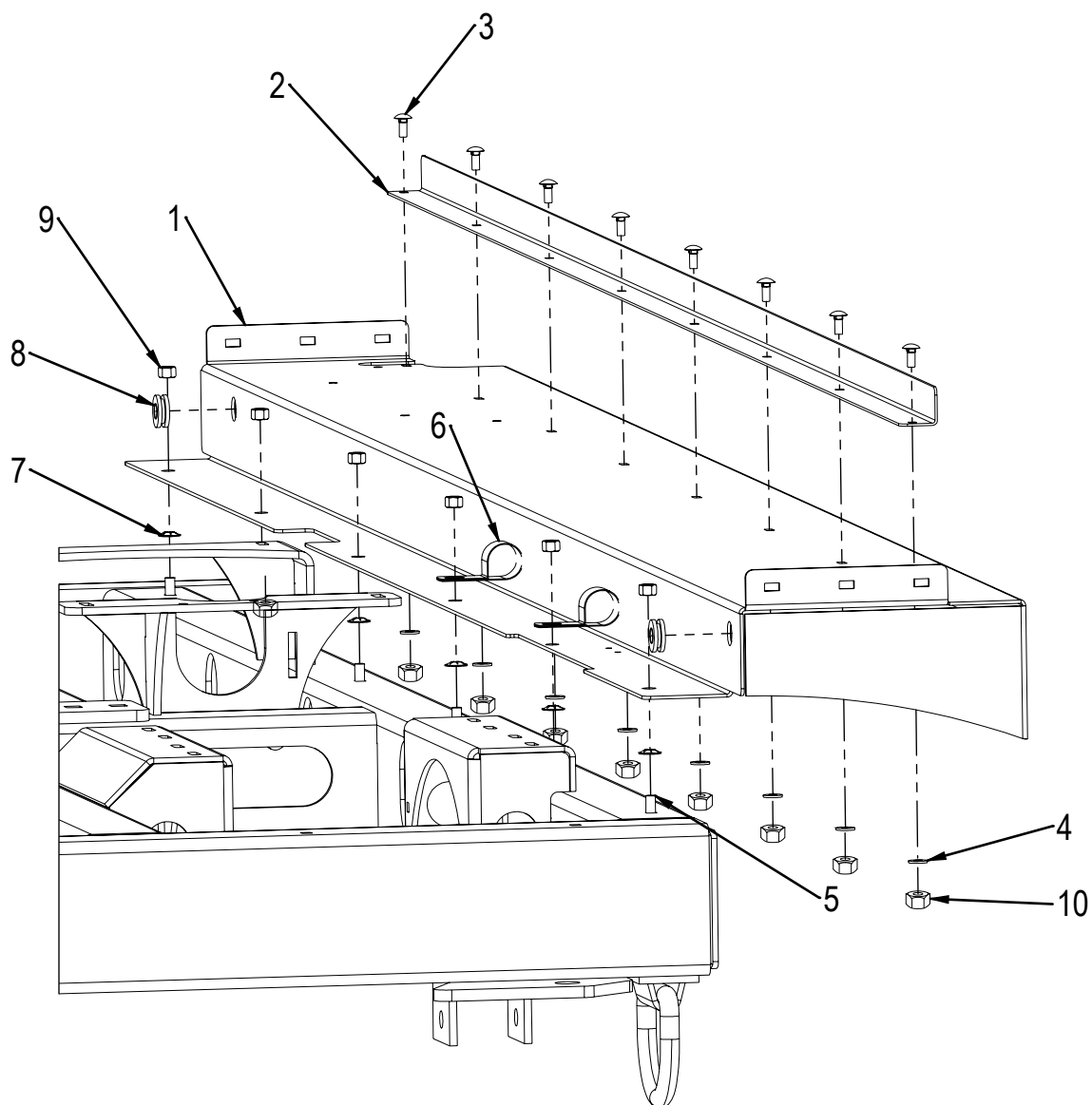
Notes:

Notes

FRAME COMPONENTS

Sheet Metal—Wheel Well Left

HG1200



Sheet Metal—Wheel Well Left

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6239	WHEEL WELL - LEFT	1	
2	912-6236	CATCH, DOOR LATCH	1	
3	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	8	
4	04FW-SAE	WASHER, 1/4"	8	
5	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	6	
6	912-3601	CLAMP, 1" CUSHION	2	
7	941-5303	PUSH NUT, RETAINER 5/16"	6	
8	913-0068	GROMMET, RUBBER	2	
9	05TLN	NUT, 5/16-18 TOP LOCK	6	
10	04TLN	NUT, 1/4-20 TOP LOCK	8	

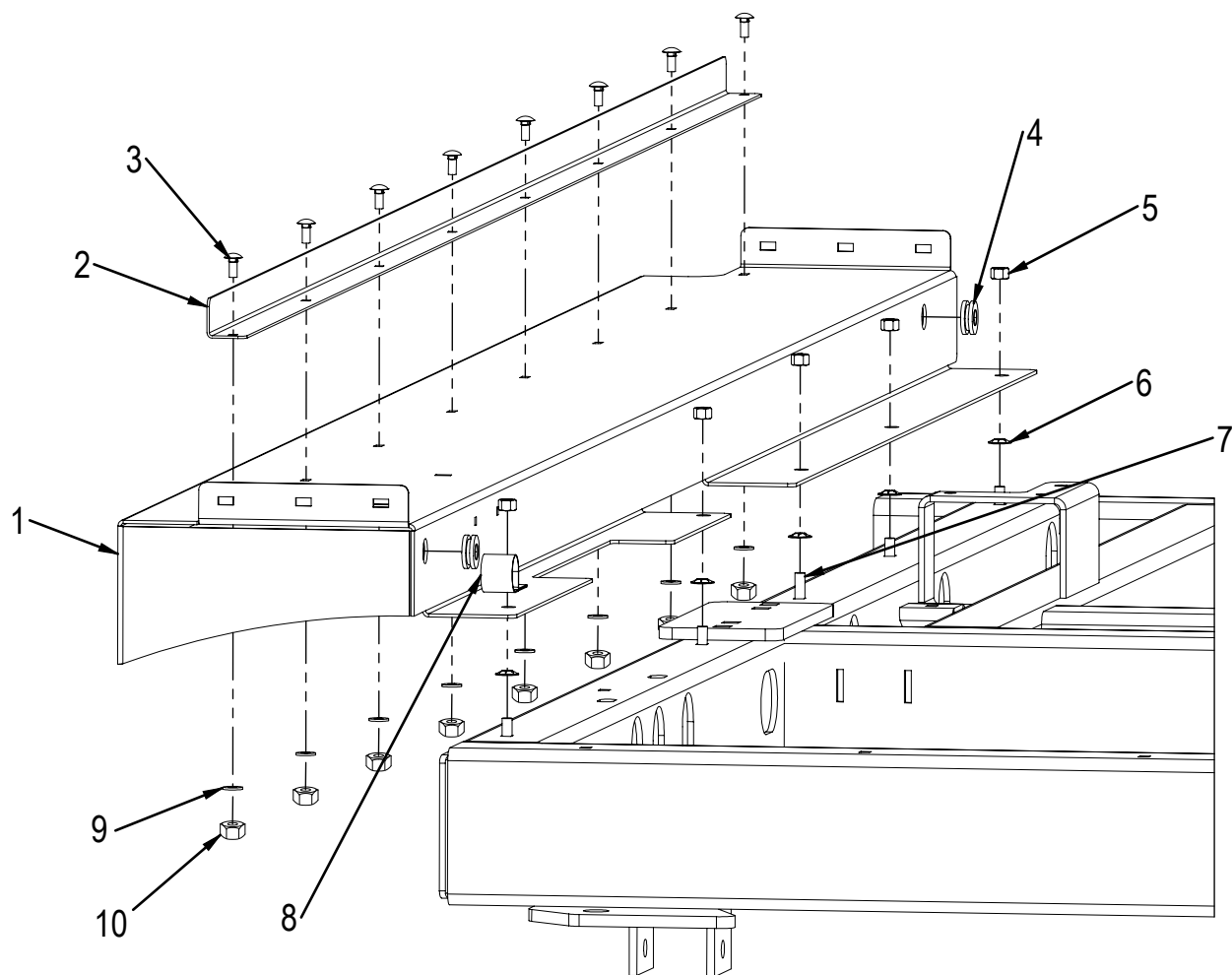
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Footnotes:

Notes:

Sheet Metal—Wheel Well Right

HG1200



Sheet Metal—Wheel Well Right

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6238	WHEEL WELL - RIGHT	1	
2	912-6236	CATCH, DOOR LATCH	1	
3	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	14	
4	913-0068	GROMMET, RUBBER	2	
5	05TLN	NUT, 5/16-18 TOP LOCK	5	
6	941-5303	PUSH NUT, RETAINER 5/16"	5	
7	05CB16	BOLT, 5/16-18 x 1 CARRIAGE	5	
8	912-3601	CLAMP, 1" CUSHION	1	
9	04FW-SAE	WASHER, 1/4"	14	
10	04TLN	NUT, 1/4-20 TOP LOCK	14	

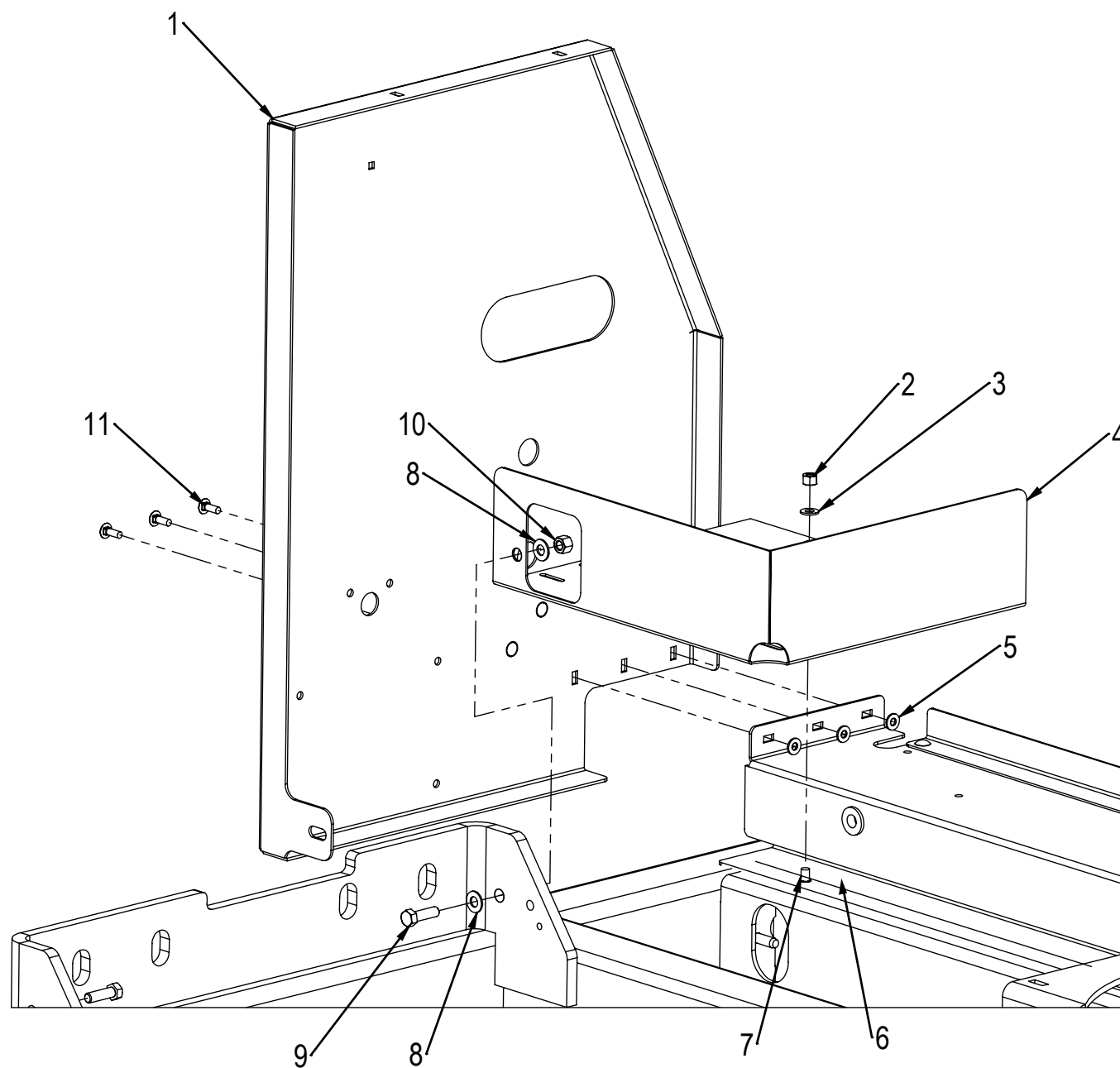
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Footnotes:

Notes:

Sheet Metal—Back Panel Left

HG1200



Sheet Metal—Back Panel Left

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6241	BACK PANEL - LEFT	1	
2	05TLN	NUT, 5/16-18 TOP LOCK	1	
3	05FW-SAE	WASHER, 5/16"	1	
4	912-6130	TRAY, STORAGE	1	
5	04FW-SAE	WASHER, 1/4"	3	
6	912-6239	WHEEL WELL - LEFT	1	
7	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	1	
8	06FW-SAE	WASHER, 3/8"	2	
9	06HH20	SCREW, 3/8-16 x 1.25 HHC - GR8	1	
10	06TLN	NUT, 3/8-16 TOP LOCK	1	
11	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	3	

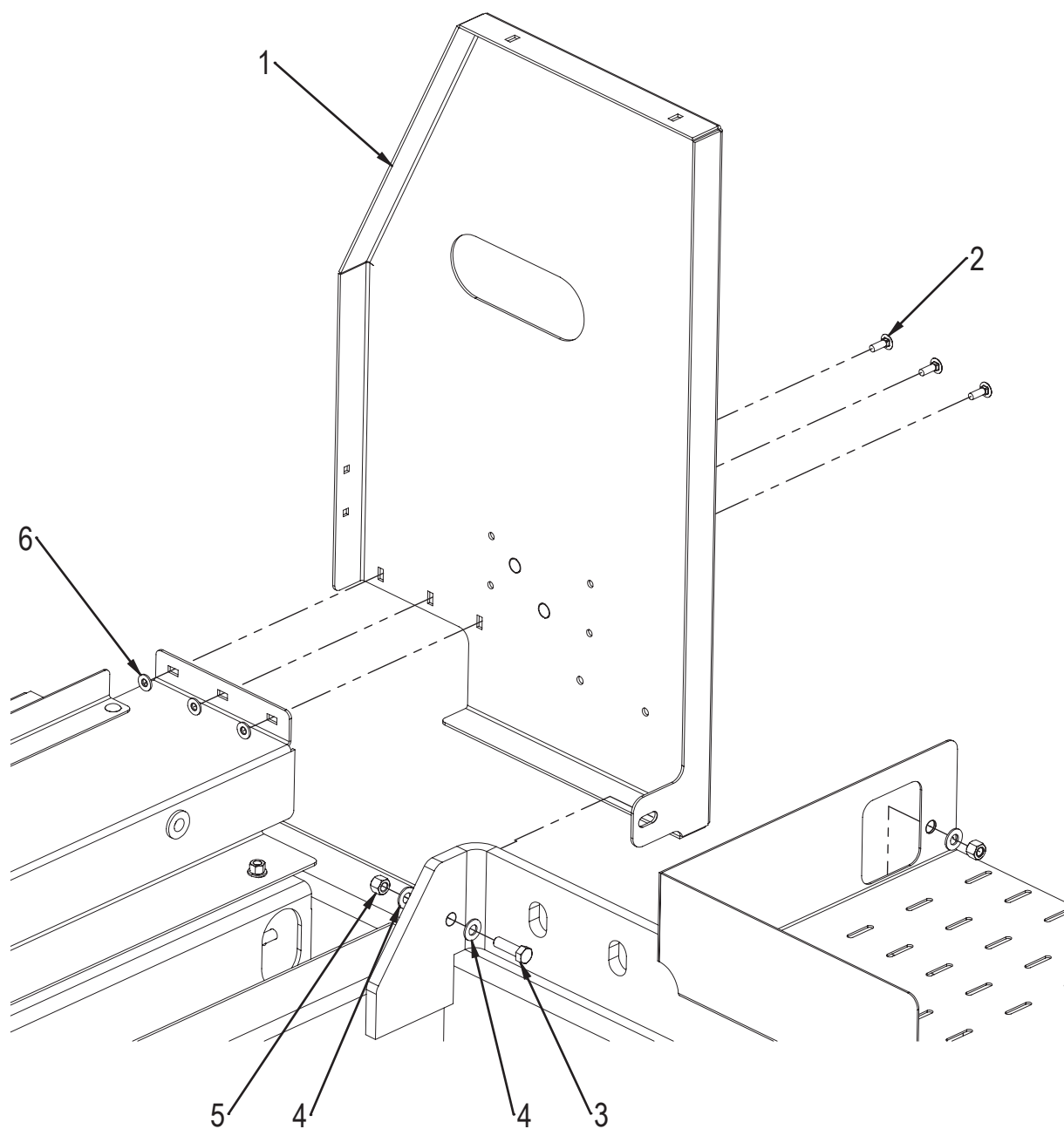
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Footnotes:

Notes:

Sheet Metal—Back Panel Right

HG1200



Sheet Metal—Back Panel Right

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6242	BACK PANEL - RIGHT	1	
2	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	3	
3	06HH20	SCREW, 3/8-16 x 1.25 HHC - GR8	1	
4	06FW-SAE	WASHER, 3/8"	2	
5	06TLN	NUT, 3/8-16 TOP LOCK	1	
6	04FW-SAE	WASHER, 1/4"	3	

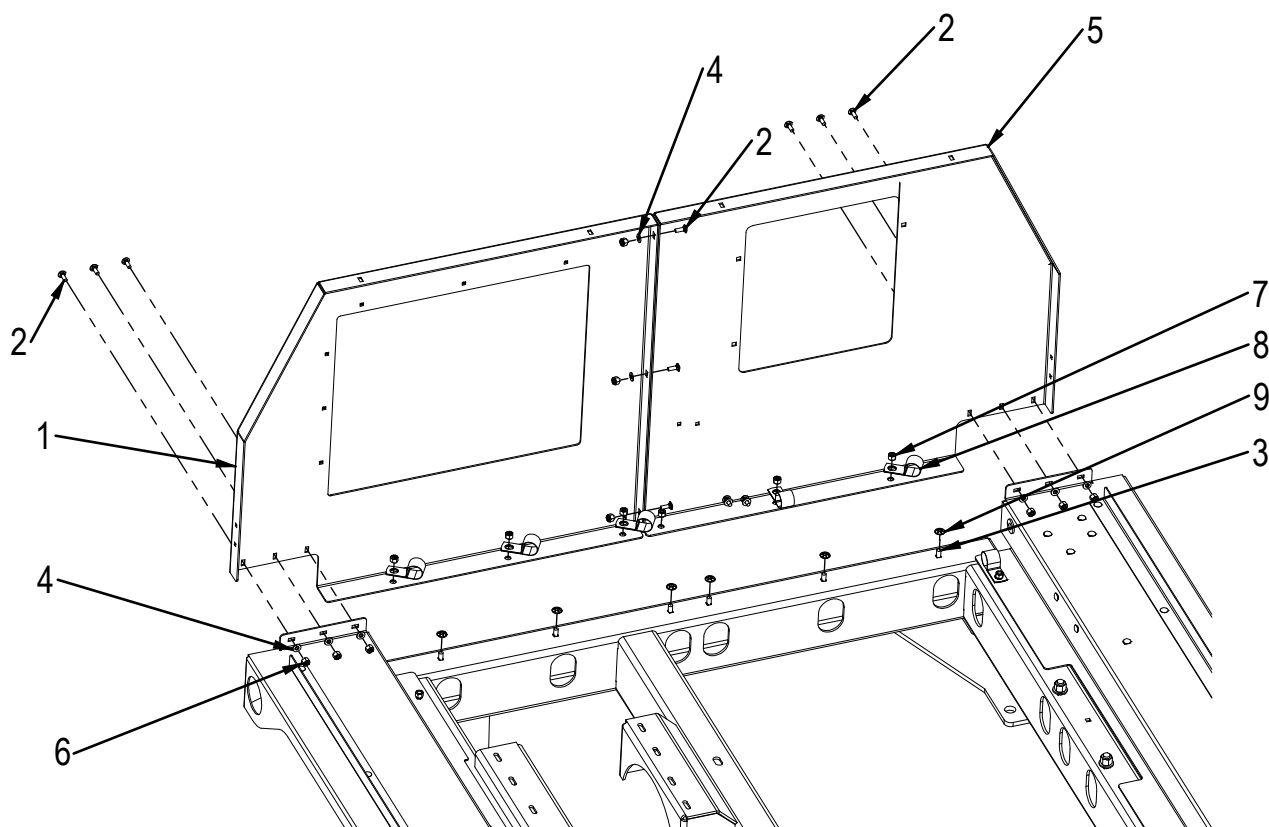
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Footnotes:

Notes:

Sheet Metal—Front Panels to Frame

HG1200



Sheet Metal—Front Panels to Frame

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6248	FRONT PANEL - LEFT	1	
2	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	9	
3	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	10	
4	04FW-SAE	WASHER, 1/4"	9	
5	912-6247	FRONT PANEL - RIGHT	1	
6	04TLN	NUT, 1/4-20 TOP LOCK	21	
7	05TLN	NUT, 5/16-18 TOP LOCK	10	
8	912-3601	CLAMP, 1" CUSHION	4	
9	941-5303	PUSH NUT, RETAINER 5/16"	10	

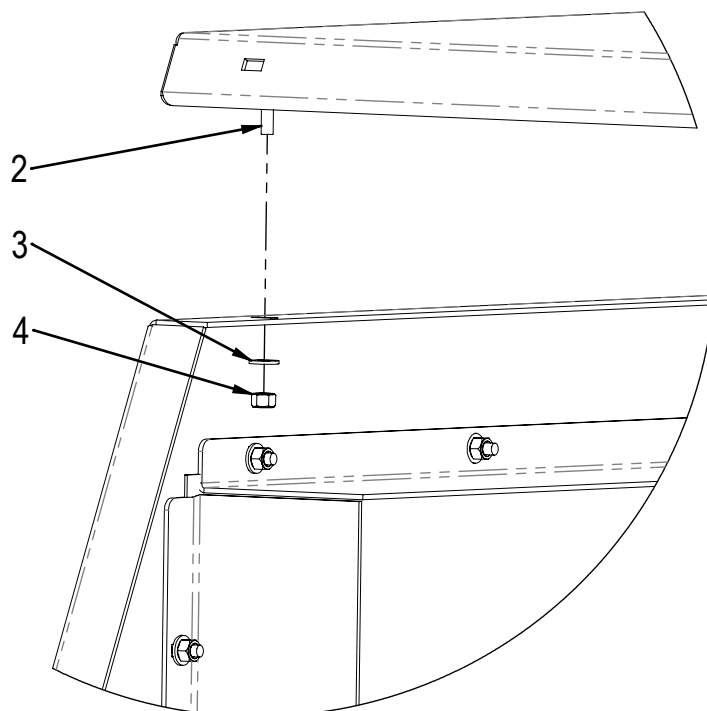
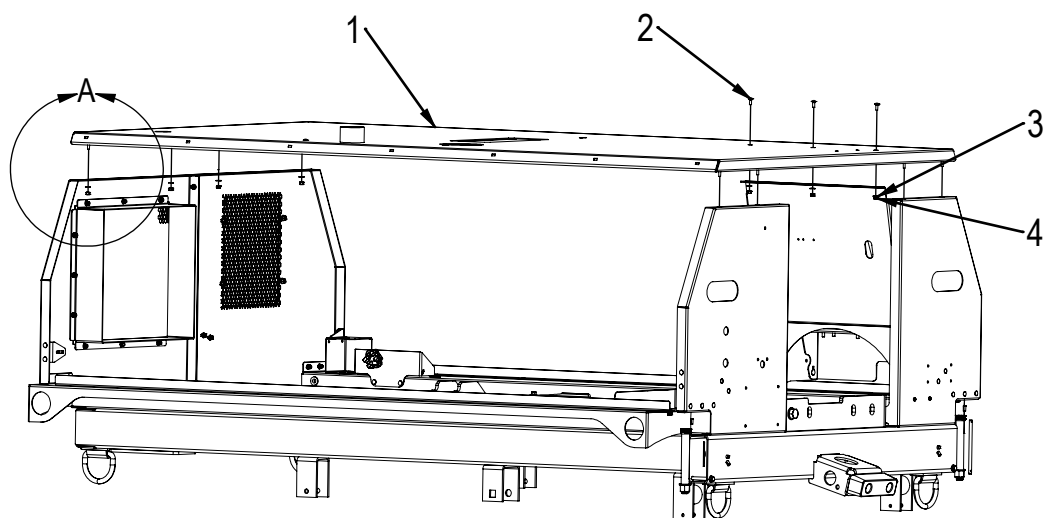
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Footnotes:

Notes:

Sheet Metal—Roof Panel

HG1200



DETAIL A
SCALE 1 : 4

Sheet Metal—Roof Panel
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6264	ROOF PANEL WELDMENT	1	
2	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	11	
3	04FW-SAE	WASHER, 1/4"	11	
4	04TLN	NUT, 1/4-20 TOP LOCK	11	

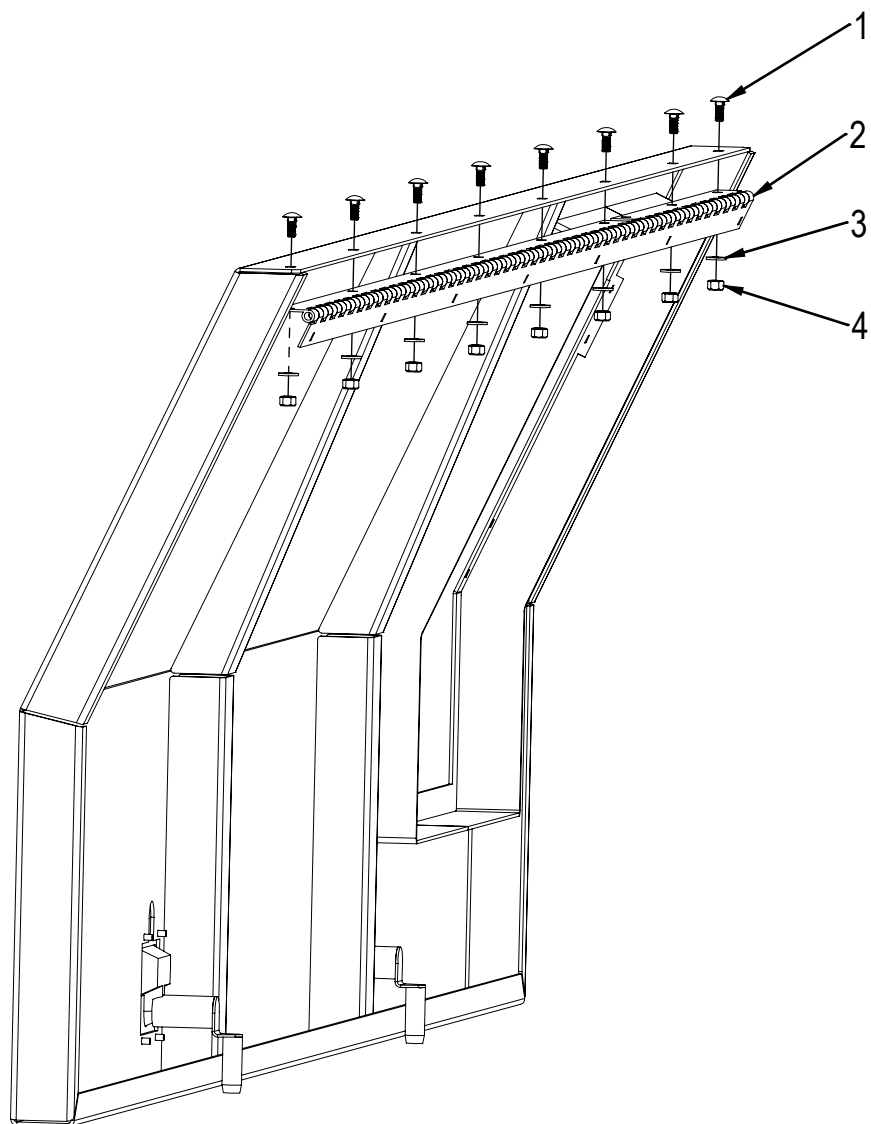
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Footnotes:

Notes:

Door Hinge—Operator's Side

HG1200



Door Hinge—Operator's Side

HG1200

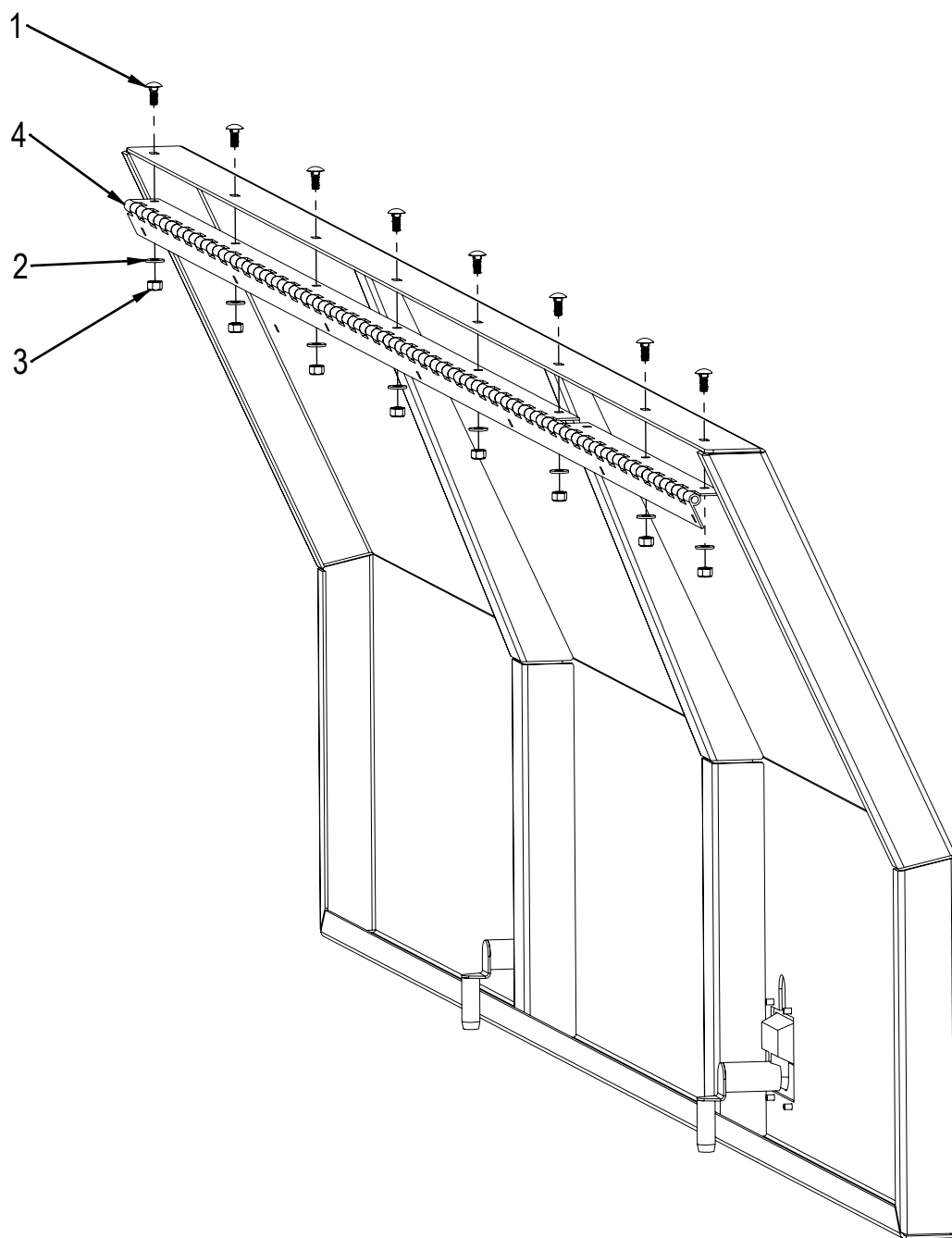
Bom ID	Part No	Description	Qty	Remarks
1	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	8	
2	912-6256	HINGE, SIDE DOOR, 96"	1	
3	04FW-SAE	WASHER, 1/4"	8	
4	04TLN	NUT, 1/4-20 TOP LOCK	8	

Not Shown:

Footnotes:

Notes:

Door Hinge HG1200



Door Hinge
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	8	
2	04FW-SAE	WASHER, 1/4"	8	
3	04TLN	NUT, 1/4-20 TOP LOCK	8	
4	912-6256	HINGE, SIDE DOOR, 96"	1	

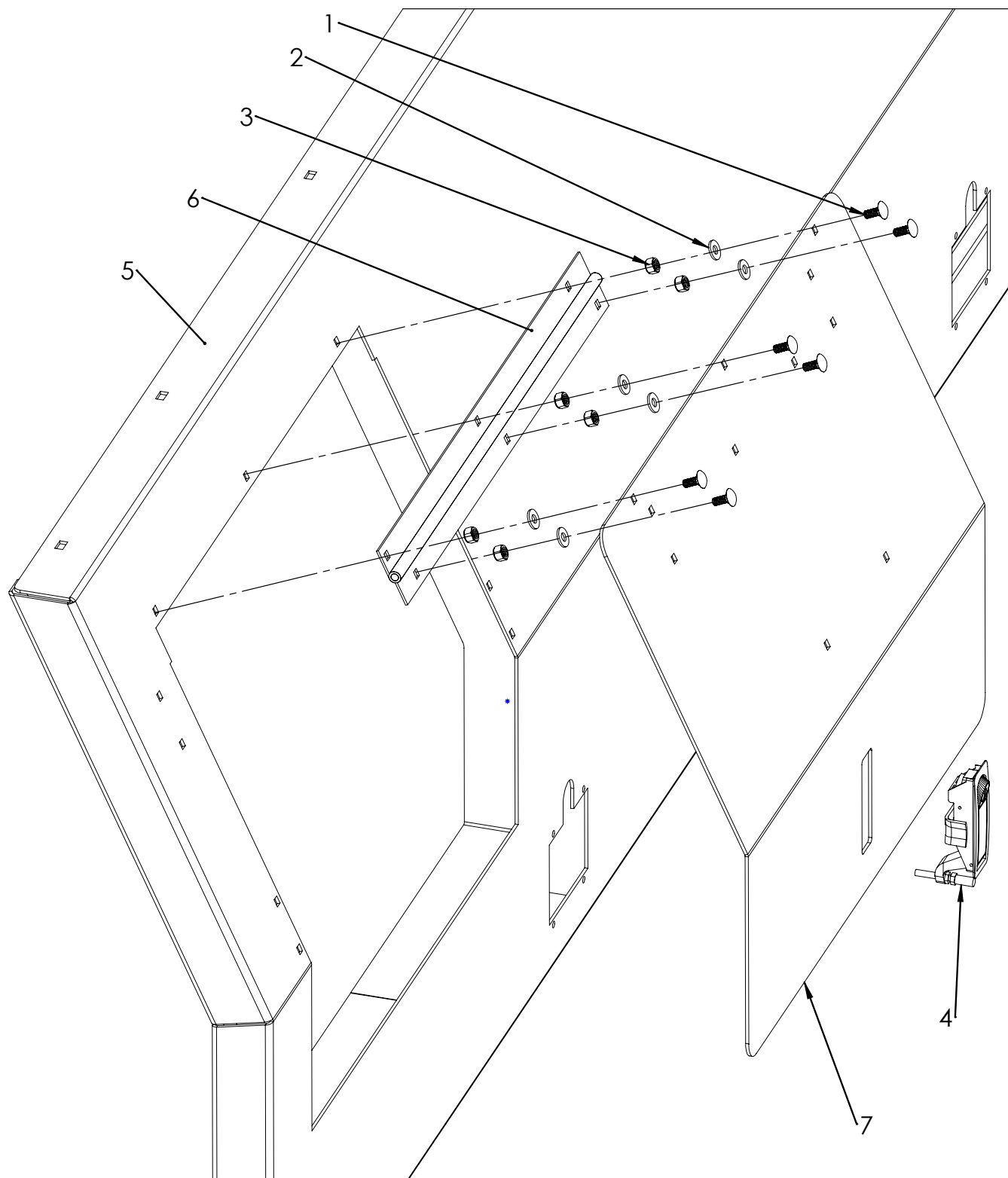
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Footnotes:

Notes:

Sheet Metal—Control Panel Door

HG1200



Sheet Metal—Control Panel Door

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	6	
2	04FW-SAE	WASHER, 1/4"	6	
3	04TLN	NUT, 1/4-20 TOP LOCK	6	
4	912-0943	LATCH	1	
5	912-6259	OPERATOR DOOR WELDMENT	1	
6	941-7330	HINGE, 20	1	
7	912-6259	OPERATOR DOOR WELDMENT	1	

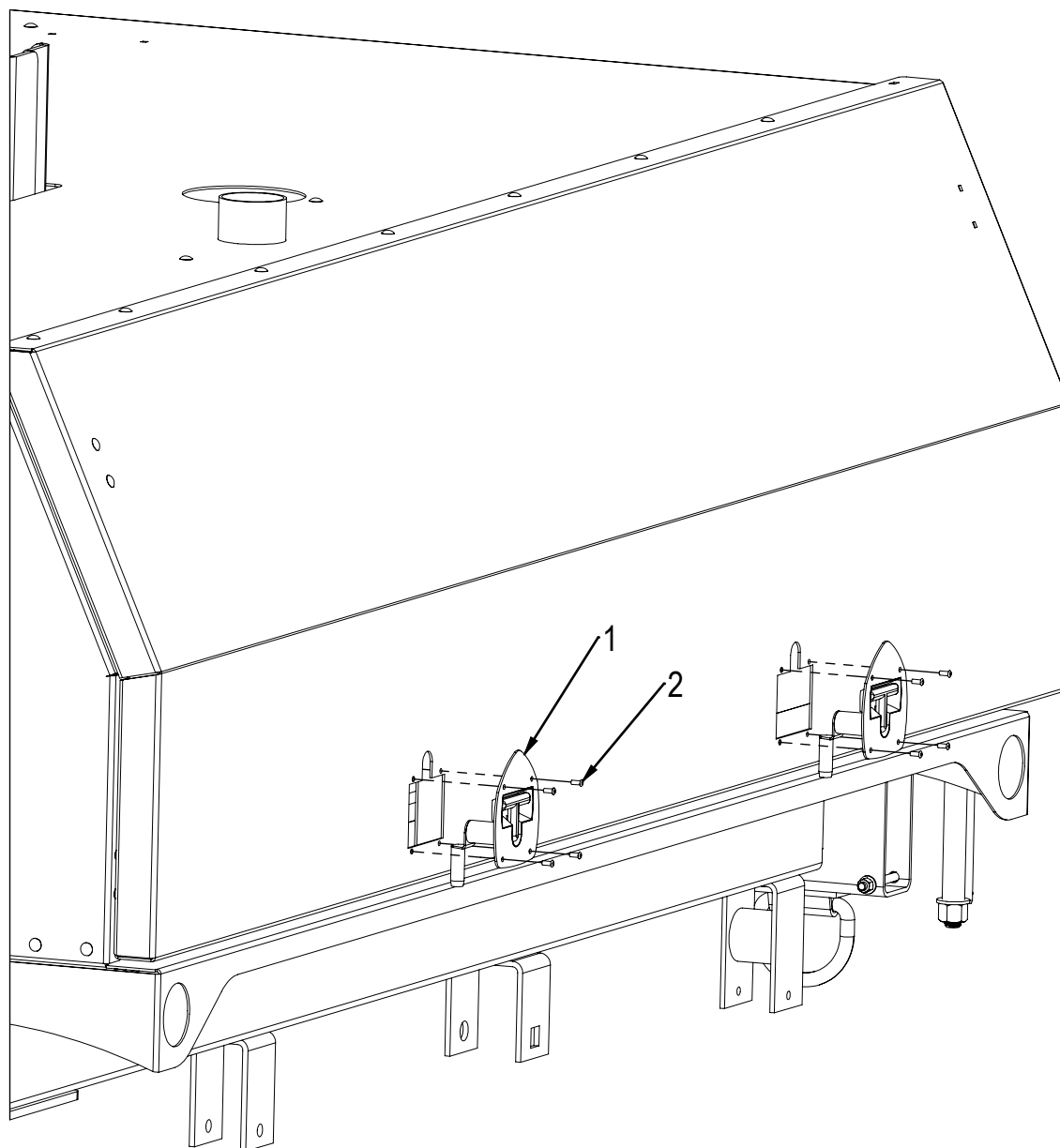
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Footnotes:

Notes:

Door Handles

HG1200



Door Handles
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	933-5530	DOOR LATCH, QUARTER TURN	2	
2	912-6302	BLIND RIVET, ALUMINUM, 6-4	8	

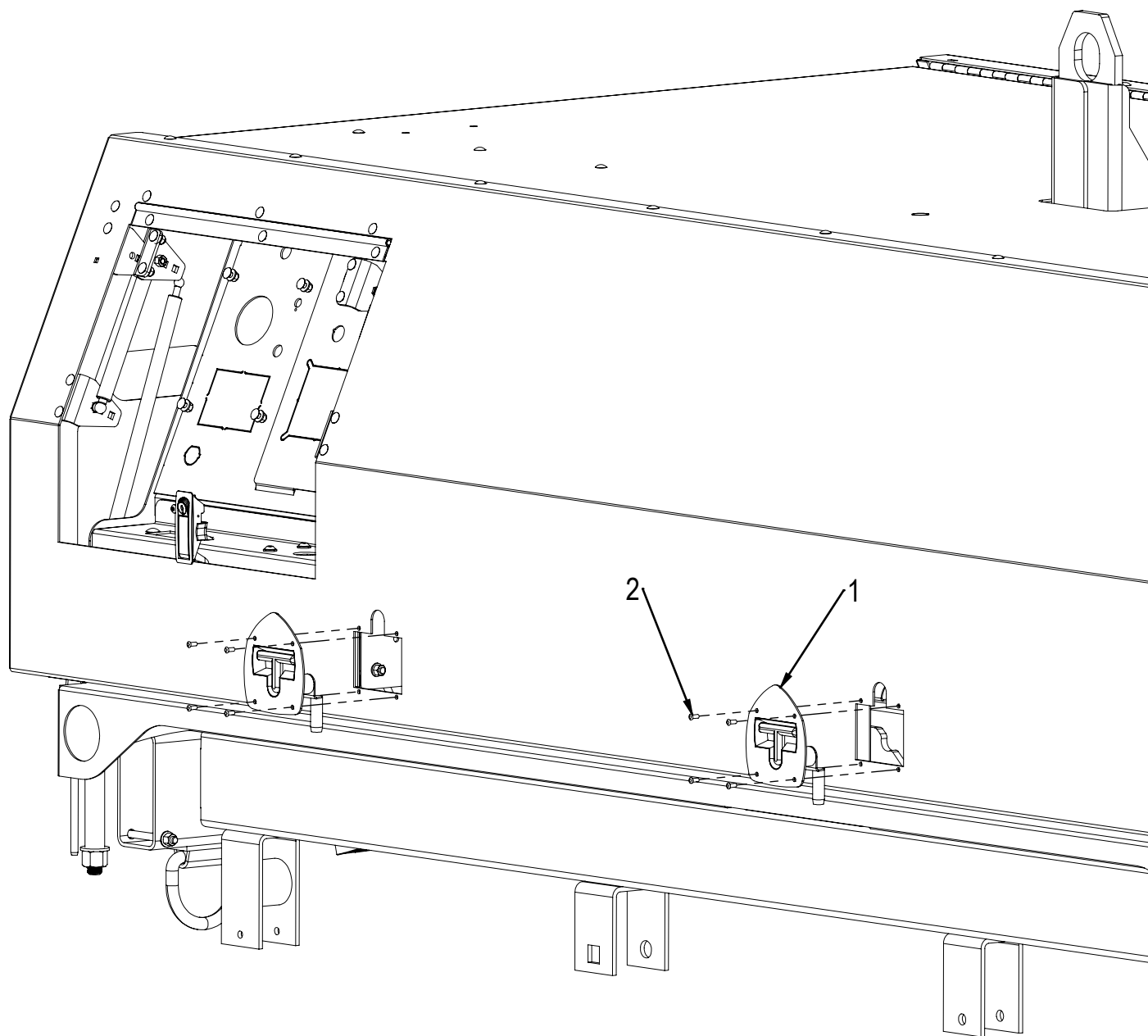
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Footnotes:

Notes:

Door Handles—Operator's Side

HG1200



Door Handles—Operator's Side

HG1200

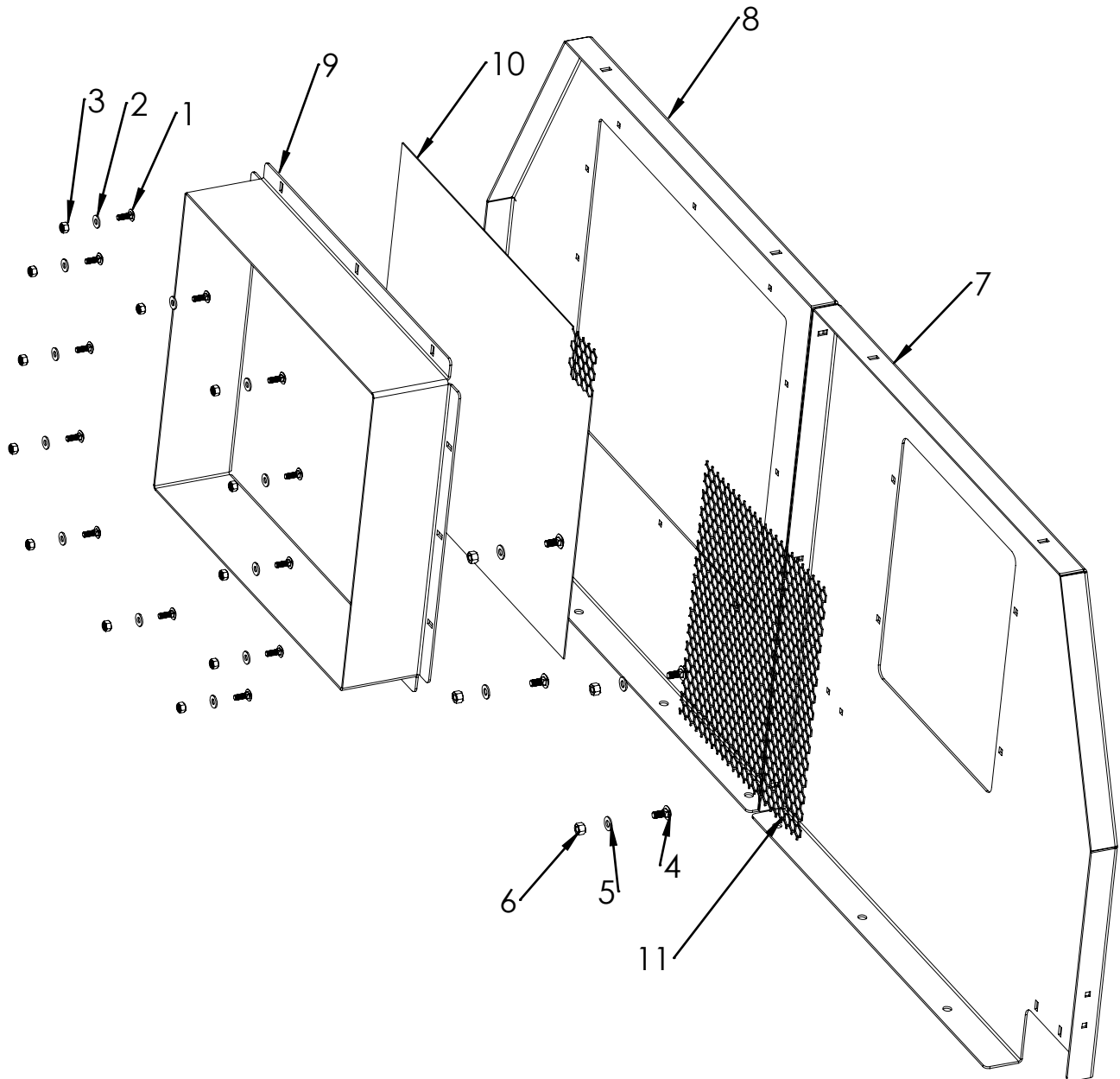
Bom ID	Part No	Description	Qty	Remarks
1	933-5530	DOOR LATCH, QUARTER TURN	2	
2	912-6302	BLIND RIVET, ALUMINUM, 6-4	8	

Not Shown:

Footnotes:

Notes:

Grills
HG1200



Grills

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	12	
2	04FW-SAE	WASHER, 1/4"	12	
3	04TLN	NUT, 1/4-20 TOP LOCK	12	
4	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	4	
5	05FW-SAE	WASHER, 5/16"	4	
6	05TLN	NUT, 5/16-18 TOP LOCK	4	
7	912-6247	FRONT PANEL - RIGHT	1	
8	912-6248	FRONT PANEL - LEFT	1	
9	912-6260	RADIATOR SHROUD	1	
10	912-6276	GRILL - HG1200	1	
11	912-6279	GRILL, OIL COOLER	1	

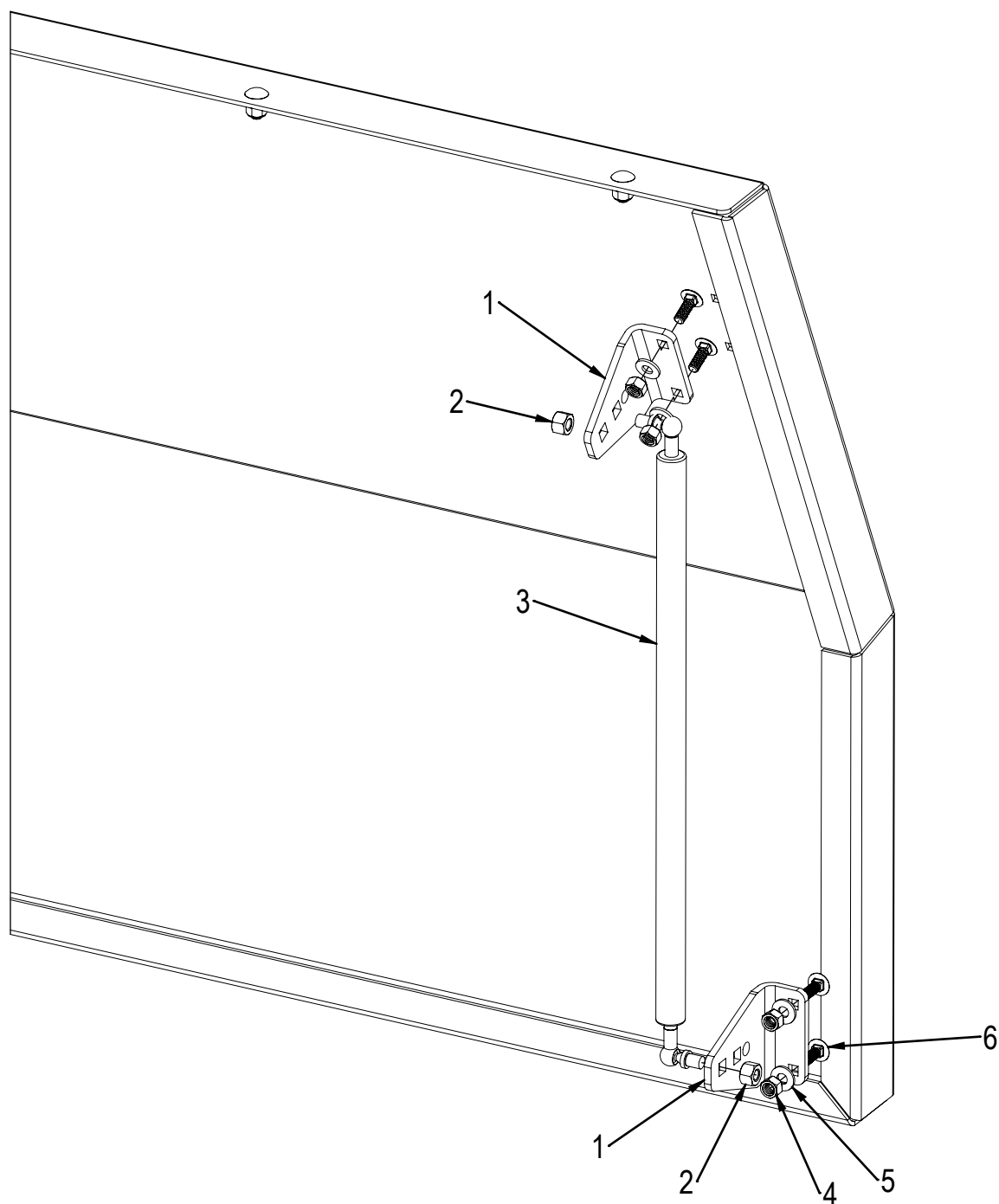
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Footnotes:

Notes:

Gas Springs—Door Assembly

HG1200



Gas Springs—Door Assembly

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-3846	SPRING BRACKET	2	
2	05TLN	NUT, 5/16-18 TOP LOCK	2	
3	912-6257	GAS SPRING, 150 LB, 11.5" STROKE"	1	
4	04TLN	NUT, 1/4-20 TOP LOCK	4	
5	04FW-SAE	WASHER, 1/4"	4	
6	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	4	

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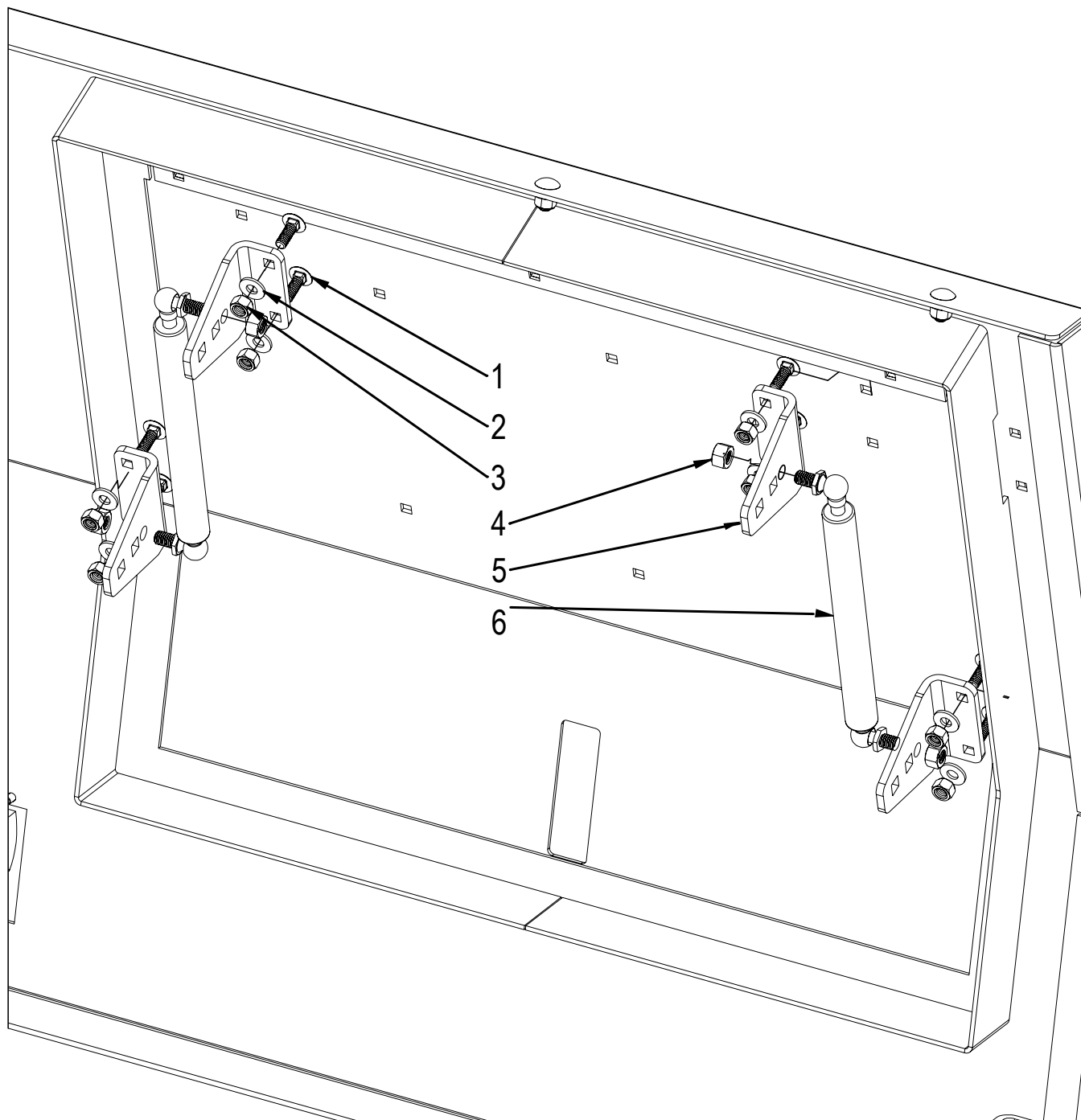
INSTALLATION OF ITEM 3 GAS SPRING 150 LB. REPEATED ON OPPOSITE END OF 912-6263 DOOR WELDMENT & BOTH ENDS OF 912-6259 OPERATOR DOOR WELDMENT

Footnotes:

Notes:

Gas Springs—Operator Door

HG1200



Gas Springs—Operator Door

HG1200

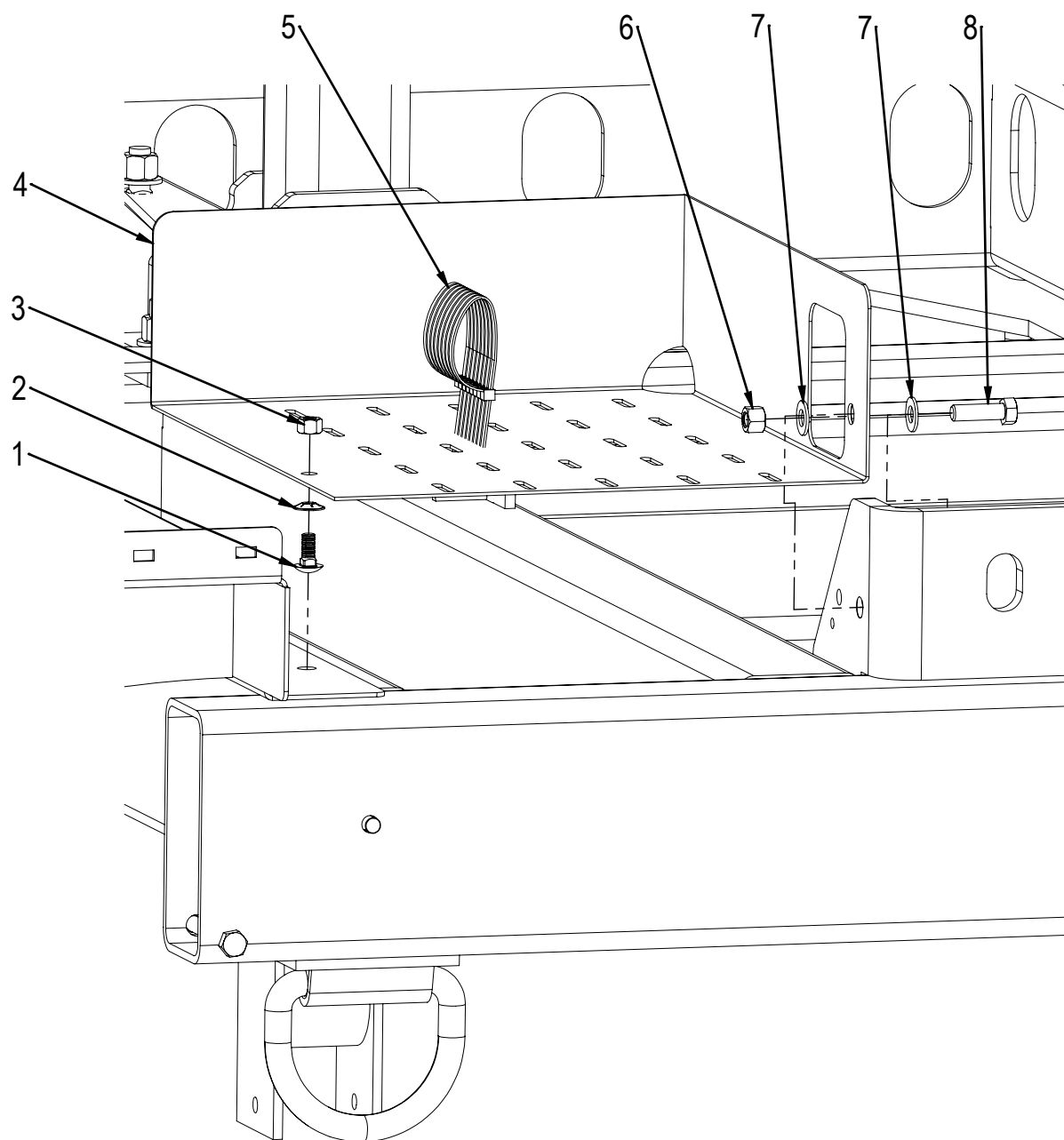
Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	8	
2	04FW-SAE	WASHER, 1/4"	8	
3	04TLN	NUT, 1/4-20 TOP LOCK	8	
4	M08TLN	NUT, M8-1.25 TOP LOCK	4	
5	912-3846	SPRING BRACKET	4	
6	912-6233	GAS SPRINGS, 40 LBS	2	

Not Shown:

Footnotes:

Notes:

Tool Tray HG1200



Tool Tray

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	1	
2	941-5303	PUSH NUT, RETAINER 5/16"	1	
3	05TLN	NUT, 5/16-18 TOP LOCK	1	
4	912-6130	TRAY, STORAGE	1	
5	912-1039	TIE STRAP, NYLON	8	
6	06TLN	NUT, 3/8-16 TOP LOCK	1	
7	06FW-SAE	WASHER, 3/8"	2	
8	06HH20	SCREW, 3/8-16 x 1.25 HHC - GR8	1	

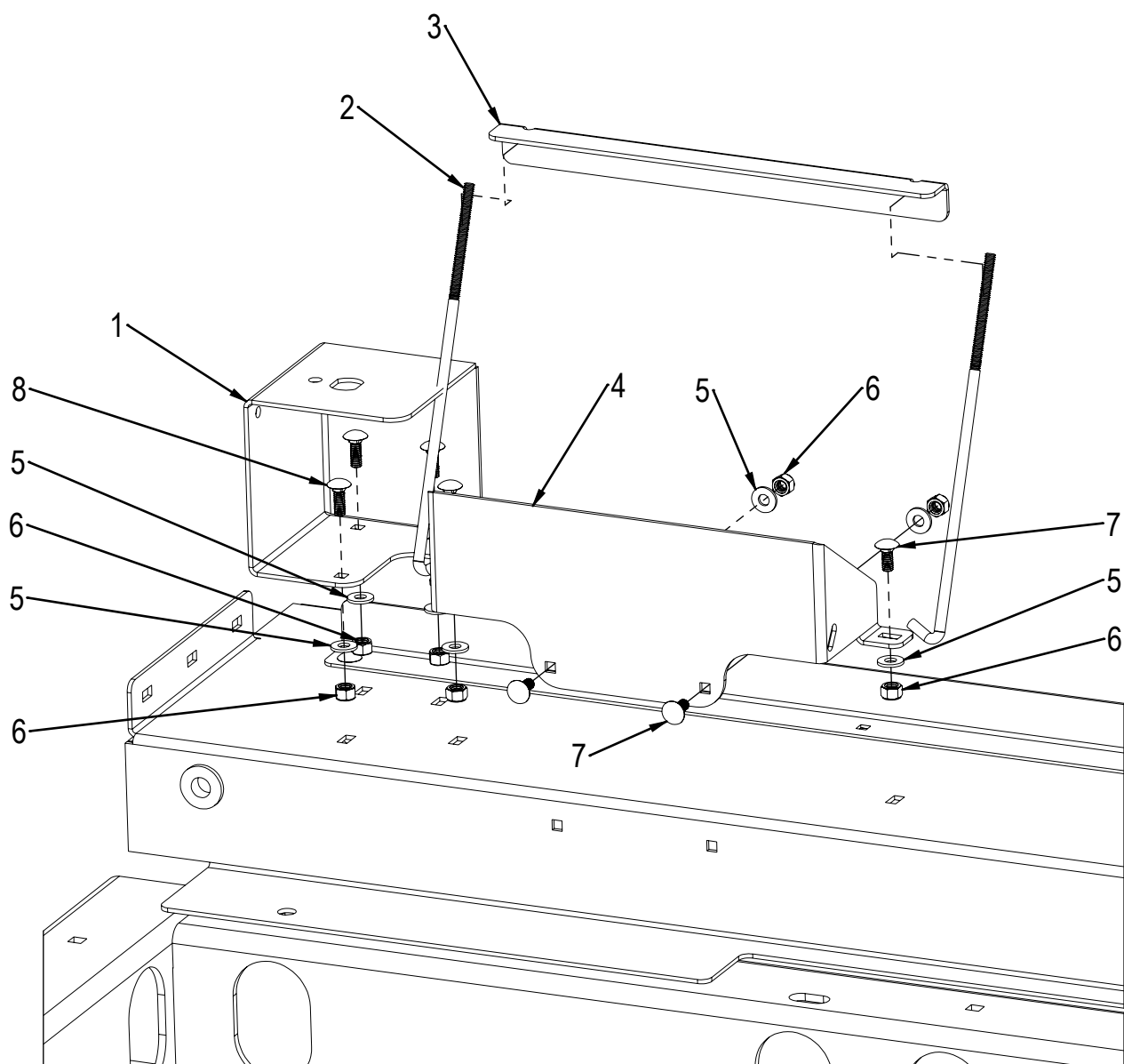
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Footnotes:

Notes:

Battery Sheet Metal to Frame

HG1200



Battery Sheet Metal to Frame

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-7496	HOUSING, BATTERY DISCONNECT	1	
2	913-0045	BOLT, J 1/4-20 X 9"	2	
3	912-6280	BRACKET, BATTERY	1	
4	912-6278	BATTERY TRAY	1	
5	04FW-SAE	WASHER, 1/4"	7	
6	04TLN	NUT, 1/4-20 TOP LOCK	7	
7	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	4	
8	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	3	

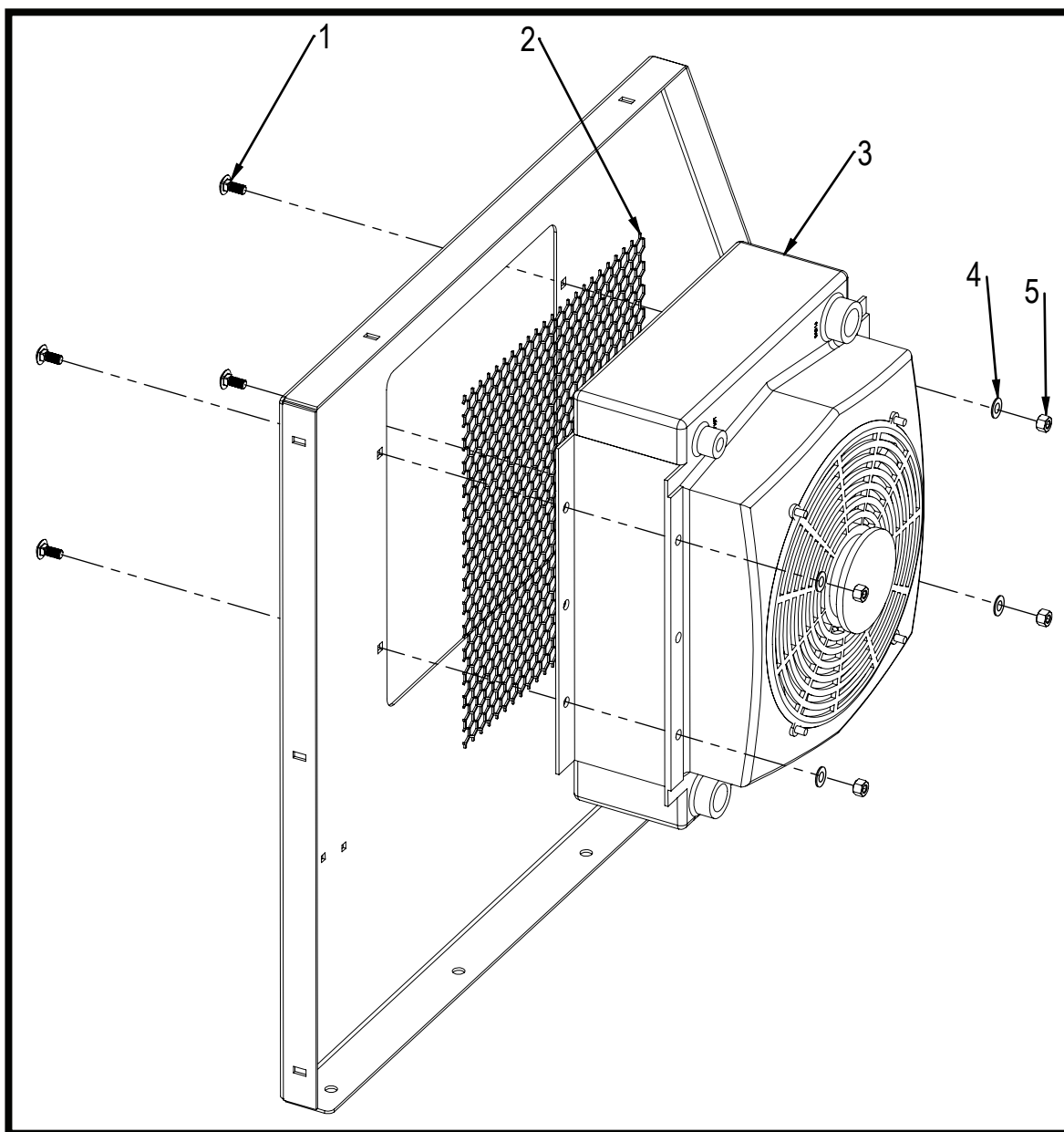
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Footnotes:

Notes:

Oil Cooler Mounting Assembly

HG1200



Oil Cooler Mounting Assembly

HG1200

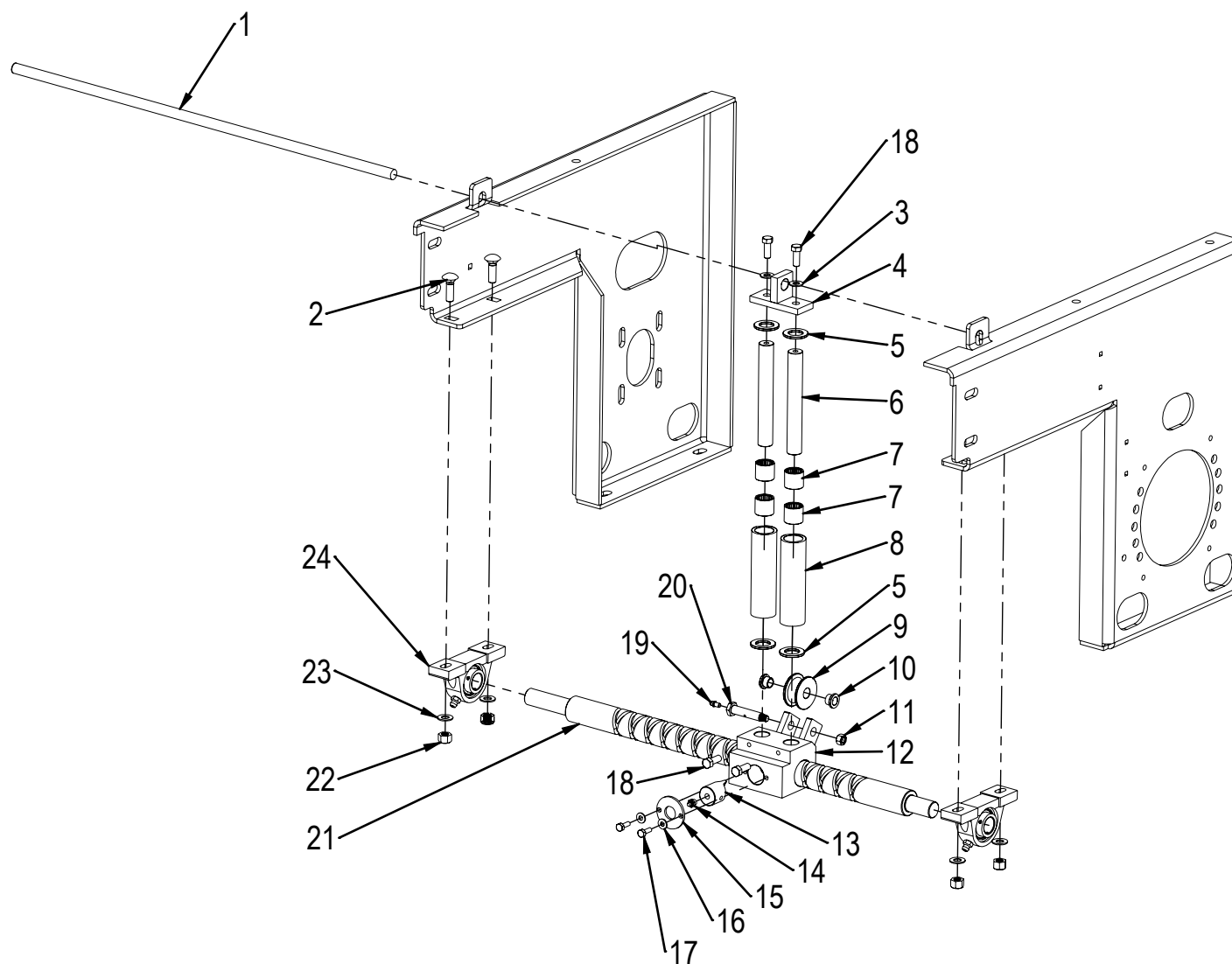
Bom ID	Part No	Description	Qty	Remarks
1	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	4	
2	912-6279	GRILL, OIL COOLER	1	
3	912-5076	HYDRAULIC COOLER	1	
4	05FW-SAE	WASHER, 5/16"	4	
5	05TLN	NUT, 5/16-18 TOP LOCK	4	

Not Shown:

Footnotes:

Notes:

Levelwind HG1200



Levelwind

Bom ID	Part No	Description	Qty	Remarks
1	912-4906	GUIDE SLIDE SHAFT	1	
2	07CB24	BOLT, CARRIAGE 7/16-14 x 1.5	4	
3	06FW-SAE	WASHER, 3/8"	2	
4	912-4920	GUIDE WELDMENT	1	
5	912-4430	WASHER, THRUST - .875ID	4	
6	912-4909	ROLLER SHAFT	2	
7	912-4429	BEARING, NEEDLE - .875ID	4	
8	912-4428	TUBE, ROLLER	2	
9	912-4917	FOLLOWER WHEEL	1	
10	912-4928	BUSHING, BRONZE	2	
11	06HN	NUT, 3/8-16 HEX	1	
12	912-4954	GUIDE WELDMENT	1	
13	912-4922	LEVEL WIND GUIDE	1	
14	912-1149	FITTING, GREASE	1	
15	912-4926	WASHER CAP	1	
16	04FW-SAE	WASHER, 1/4"	2	
17	04HH12	SCREW, 1/4-20 x .75 HHC - GR8	2	
18	06HH16	SCREW, 3/8-16 x 1.00 HHC - GR8	4	
19	912-4185	GREASE FITTING, 1/4-28 STRAIGHT	1	
20	912-4927	IDLE SHAFT	1	
21	912-4921	LEVEL WIND SHAFT	1	
22	07TLN	NUT, TOP LOCK 7/16-14	4	
23	07FW-SAE	WASHER, 7/16"	4	
24	912-4415	PILLOW BLOCK, 1 BORE	2	

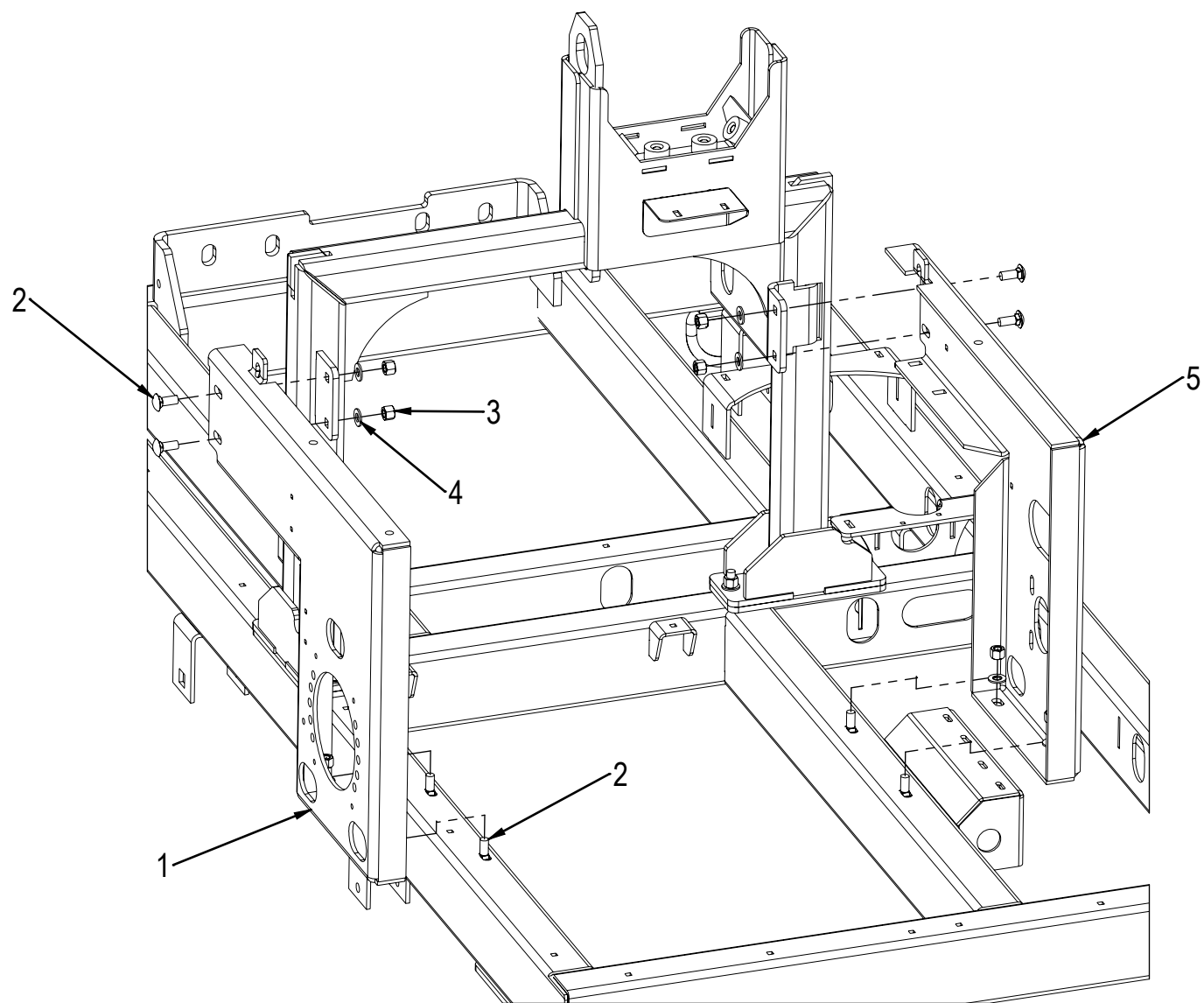
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Footnotes:

Notes:

Levelwind Frame

HG1200



Levelwind Frame
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6368	PLATE, LEVELWIND	1	
2	08CB20	BOLT, 1/2-13 x 1.25 CARRIAGE	8	
3	08TLN	NUT, 1/2-13 TOP LOCK	8	
4	08FW-SAE	WASHER, 1/2"	8	
5	912-6369	PLATE, LEVEL WIND-OP SIDE	1	

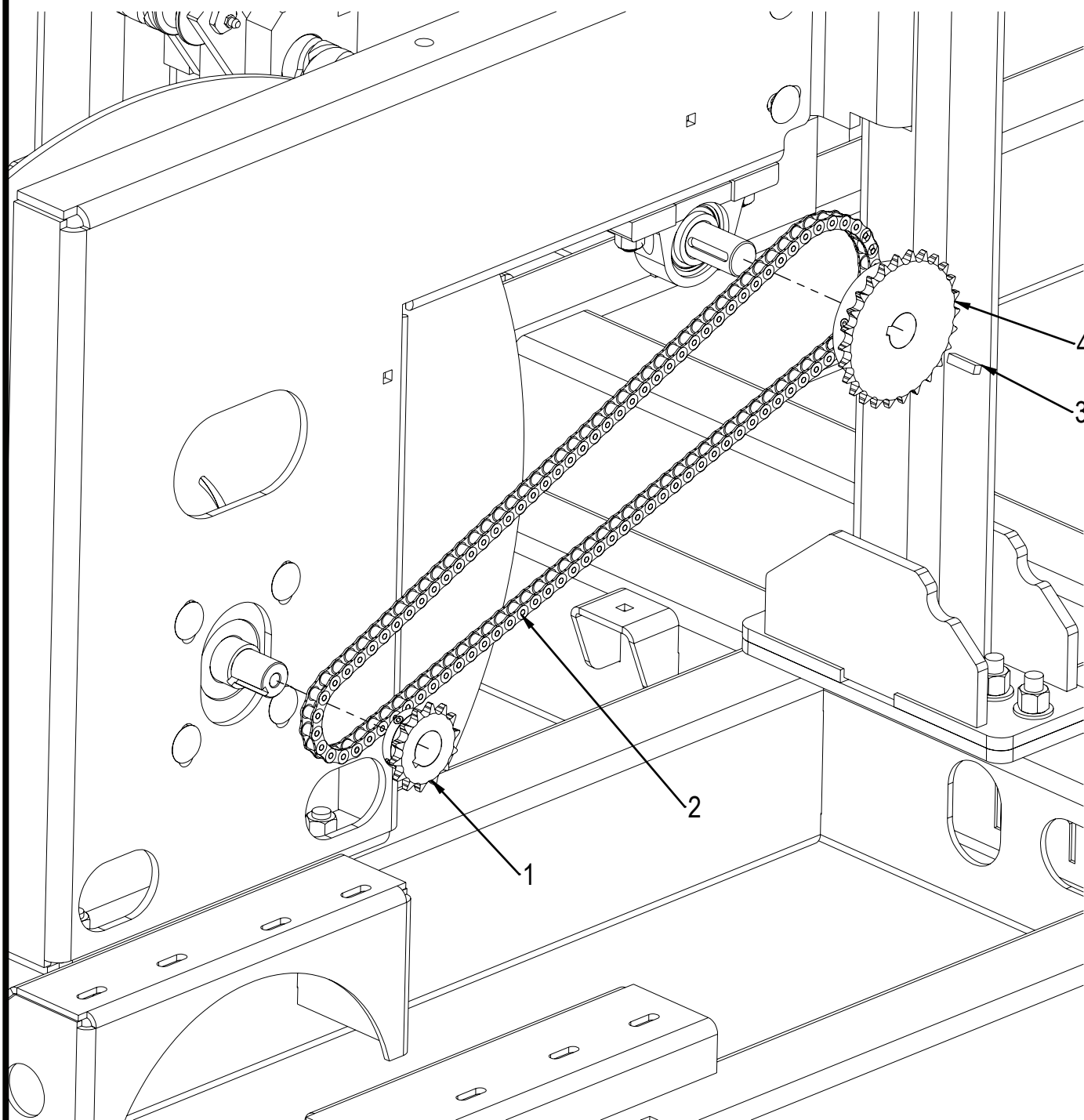
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Footnotes:

Notes:

Chains and Sprockets

HG1200



Chains and Sprockets
HG1200

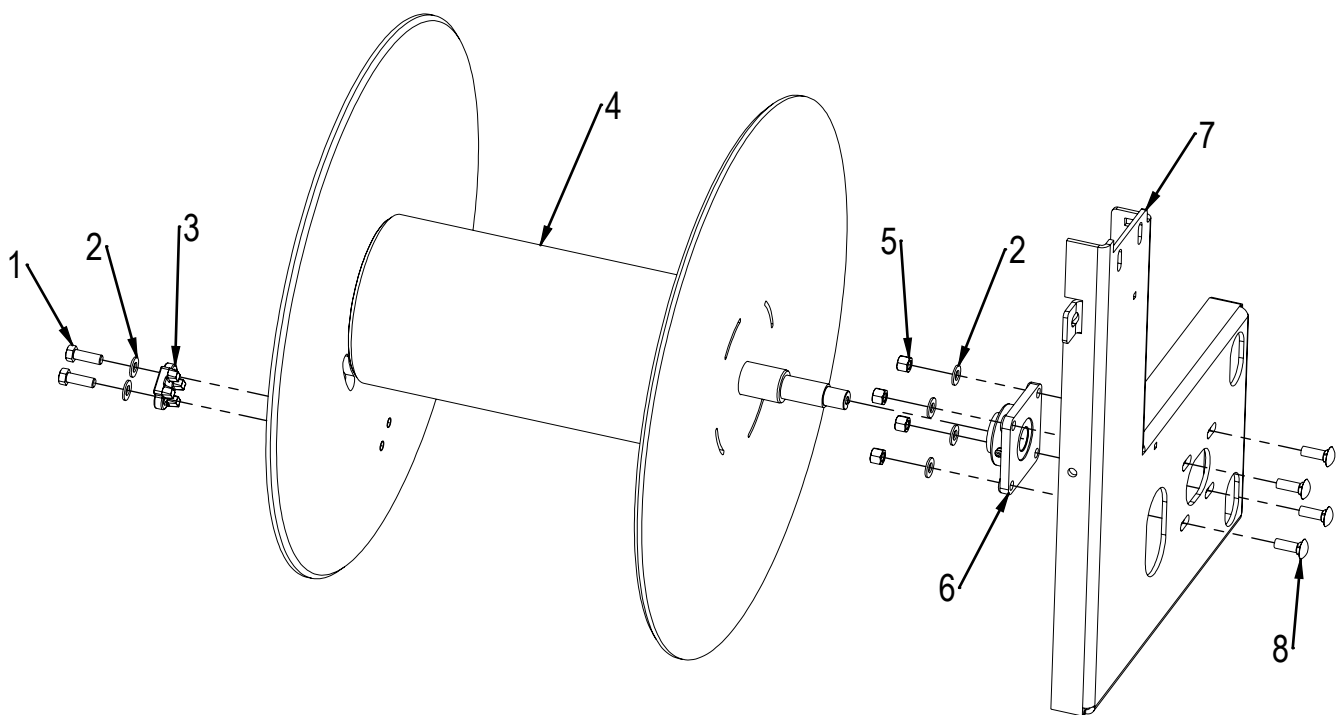
Bom ID	Part No	Description	Qty	Remarks
1	912-6408	SPROCKET, 14 TOOTH	1	
2	912-6410	CHAIN, #40 ROLLER-95 PITCHES	1	
3	930-5618	KEY, 25 SQ. X 1.00	1	
4	912-6409	SPROCKET, 26 TOOTH	1	

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Footnotes:

Notes:

Drum
HG1200



Drum

HG1200

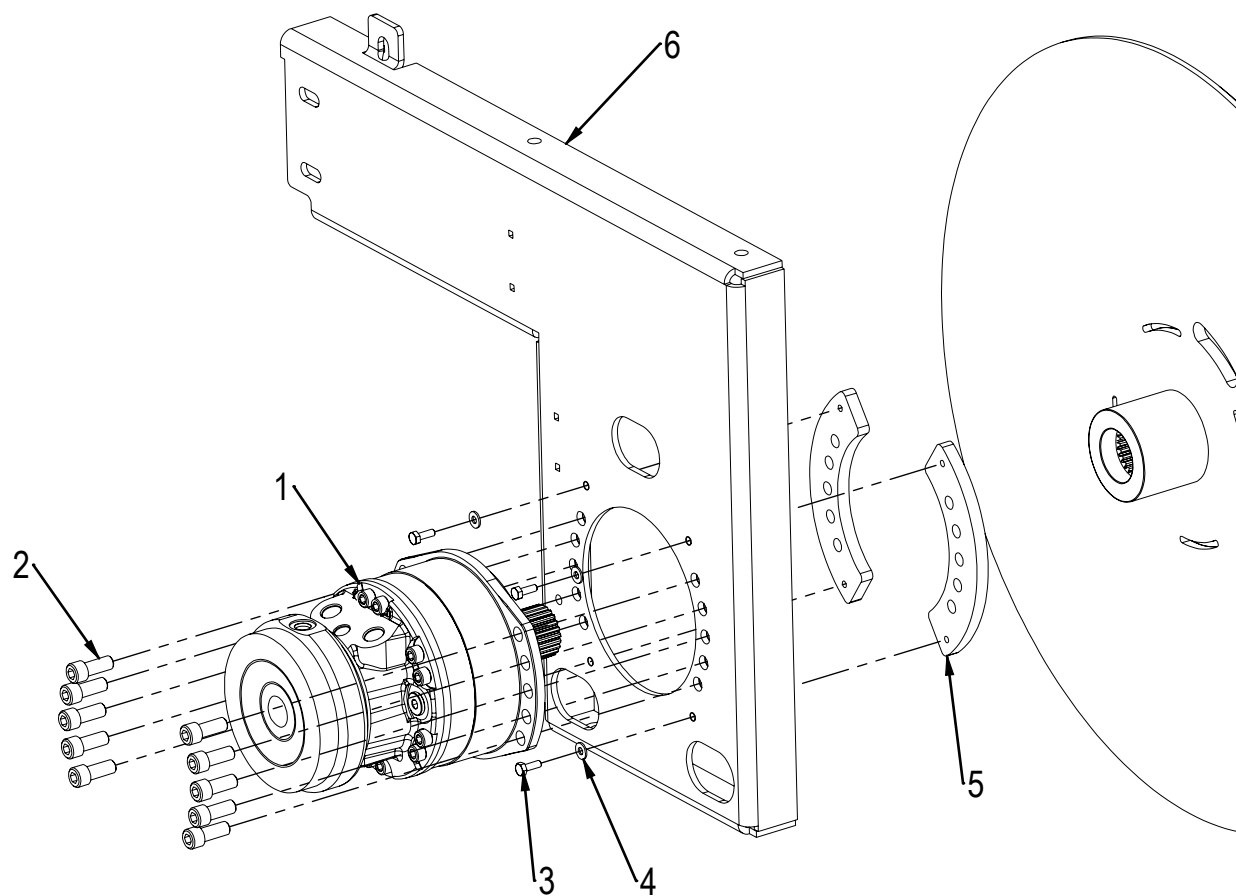
Bom ID	Part No	Description	Qty	Remarks
1	08HH24	SCREW, 1/2-13 x 1.5 HHC - GR8	2	
2	08FW-SAE	WASHER, 1/2"	6	
3	912-4421	WIRE ROPE CLIP, REWORK	1	
4	912-6361	DRUM WELDMENT	1	
5	08TLN	NUT, 1/2-13 TOP LOCK	4	
6	941-6062	BEARING, DRUM 1.25" BORE"	1	
7	912-6369	PLATE, LEVEL WIND-OP SIDE	1	
8	08CB24	BOLT, 1/2-13 x 1.5 CARRIAGE	4	

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Footnotes:

Notes:

Drum Motor Mount HG1200



Drum Motor Mount

HG1200

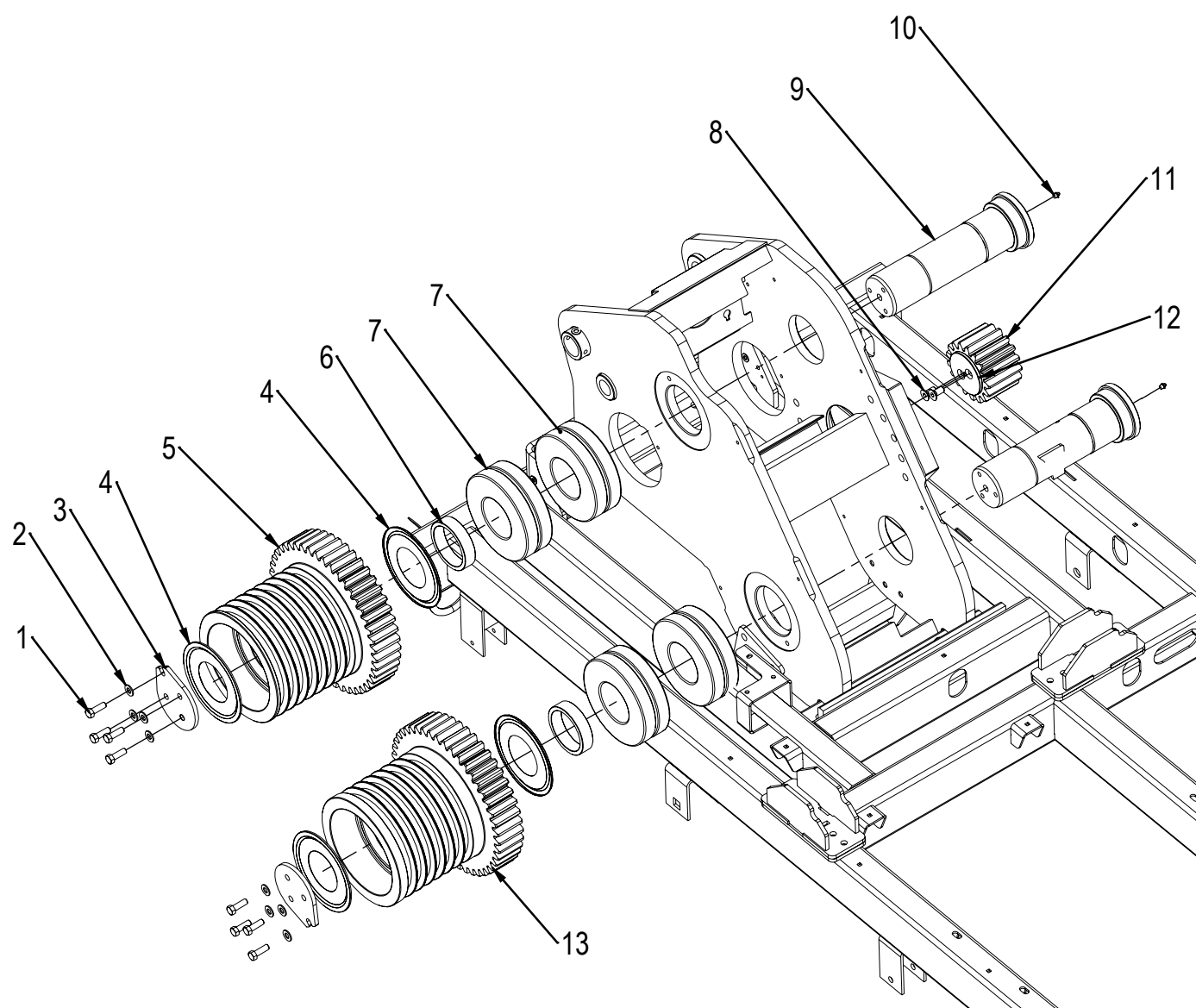
Bom ID	Part No	Description	Qty	Remarks
1	912-6191	MOTOR, RADIAL PISTON-15.6 CID W/BRAKE	1	
2	08SH20	SCREW, 1/2-13 x 1.25" SHC	10	
3	04HH12	SCREW, 1/4-20 x .75 HHC - GR8	4	
4	04FW-SAE	WASHER, 1/4"	4	
5	912-6407	DRUM MOTOR RING	2	
6	912-6368	PLATE, LEVELWIND	1	

Not Shown:

Footnotes:

Notes:

Capstan HG1200



Capstan

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	08HH24	SCREW, 1/2-13 x 1.5 HHC - GR8	8	
2	08FW-SAE	WASHER, 1/2"	8	
3	912-4941	SHAFT KEEPER BULLWHEEL	2	
4	912-4405	NILOS SHIELD	4	
5	912-6343	BULL WHEEL UPPER	1	
6	912-4942	SHAFT SPACER, BULLWHEEL	2	
7	912-4404	BEARING - SPHERICAL ROLLER	4	
8	M14FH30	SCREW, FHSC M14-2.0 x 30mm	2	
9	912-4943	SHAFT, BULLWHEEL	2	
10	912-1149	FITTING, GREASE	2	
11	912-6344	PINION GEAR	1	
12	912-6345	DRIVE PINION RETAINER	1	
13	912-6342	BULL WHEEL LOWER	1	

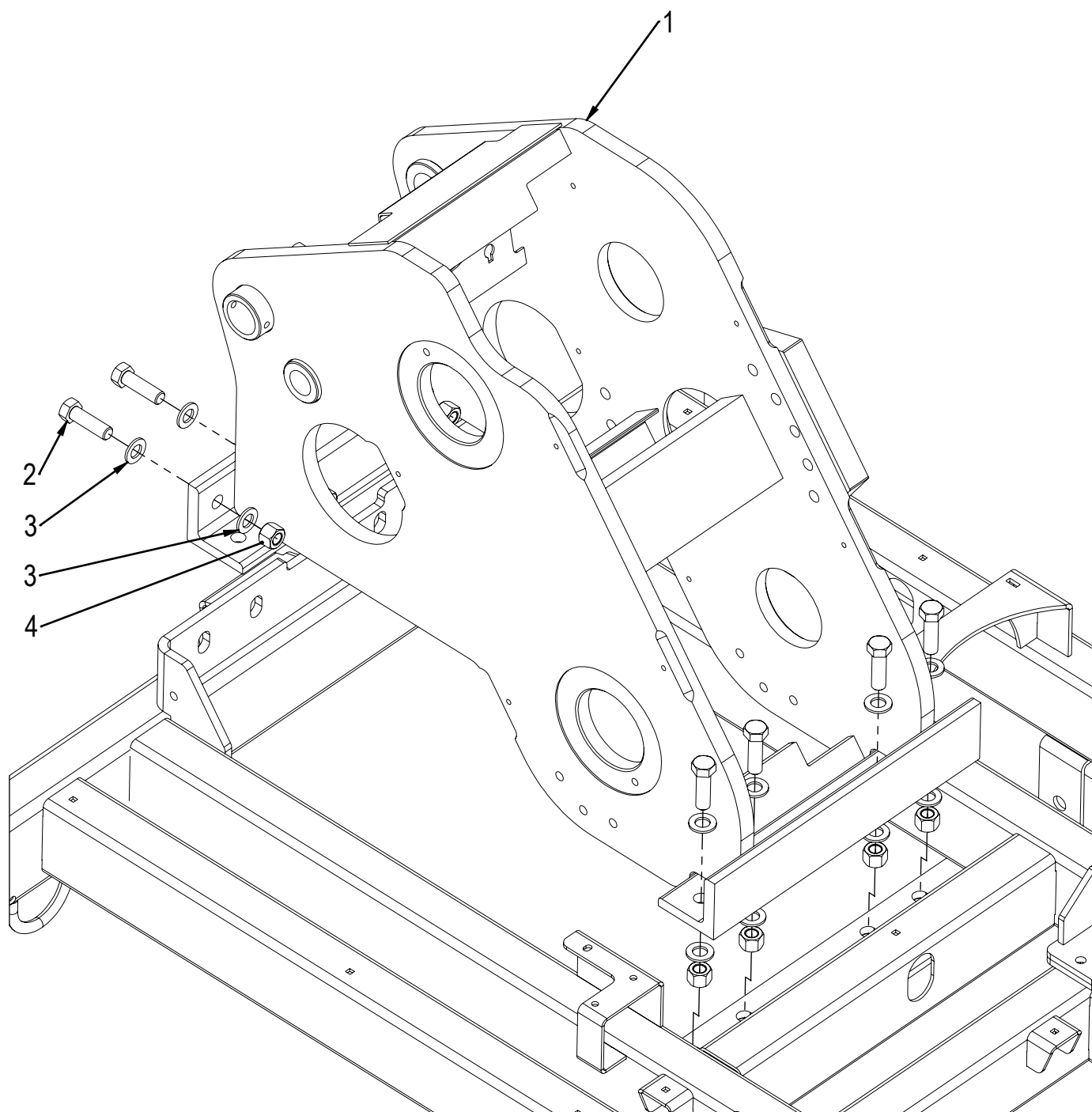
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Footnotes:

Notes:

Capstan to Frame

HG1200



Capstan to Frame
HG1200

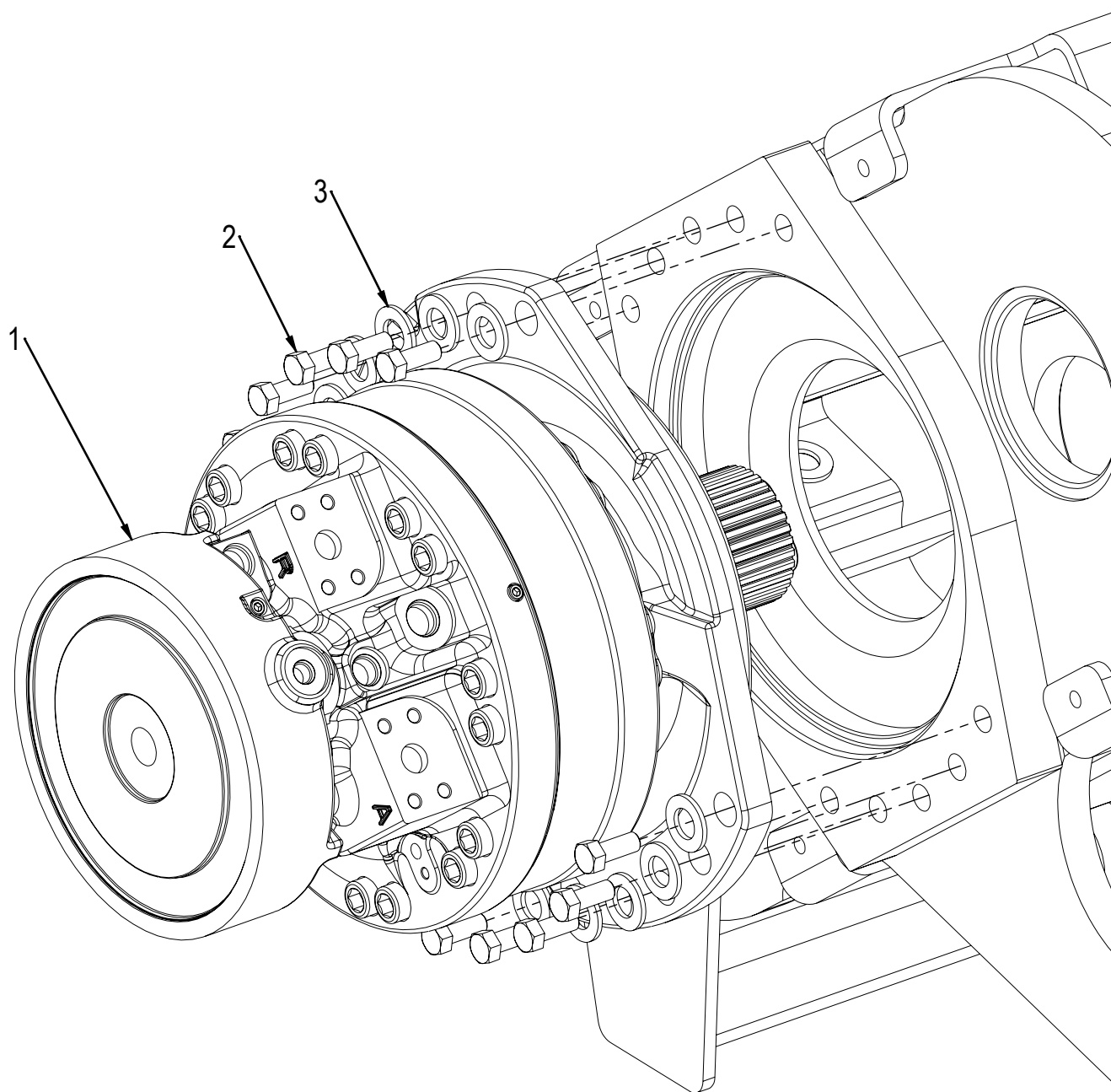
Bom ID	Part No	Description	Qty	Remarks
1	912-6002	BULL WHEEL ASSEMBLY	1	
2	12HH40	SCREW, 3/4-10 x 2.5 HHC - GR8	8	
3	12FW-SAE	WASHER, 3/4"	16	
4	12TLN	NUT, 3/4-10 TOP LOCK	8	

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Footnotes:

Notes:

Capstan Motor Mount HG1200



Capstan Motor Mount
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6194	MOTOR, CAPSTAN	1	
2	08HH20	SCREW, 1/2-13 x 1.25 HHC - GR8	10	
3	12FW-SAE	WASHER, 3/4"	10	

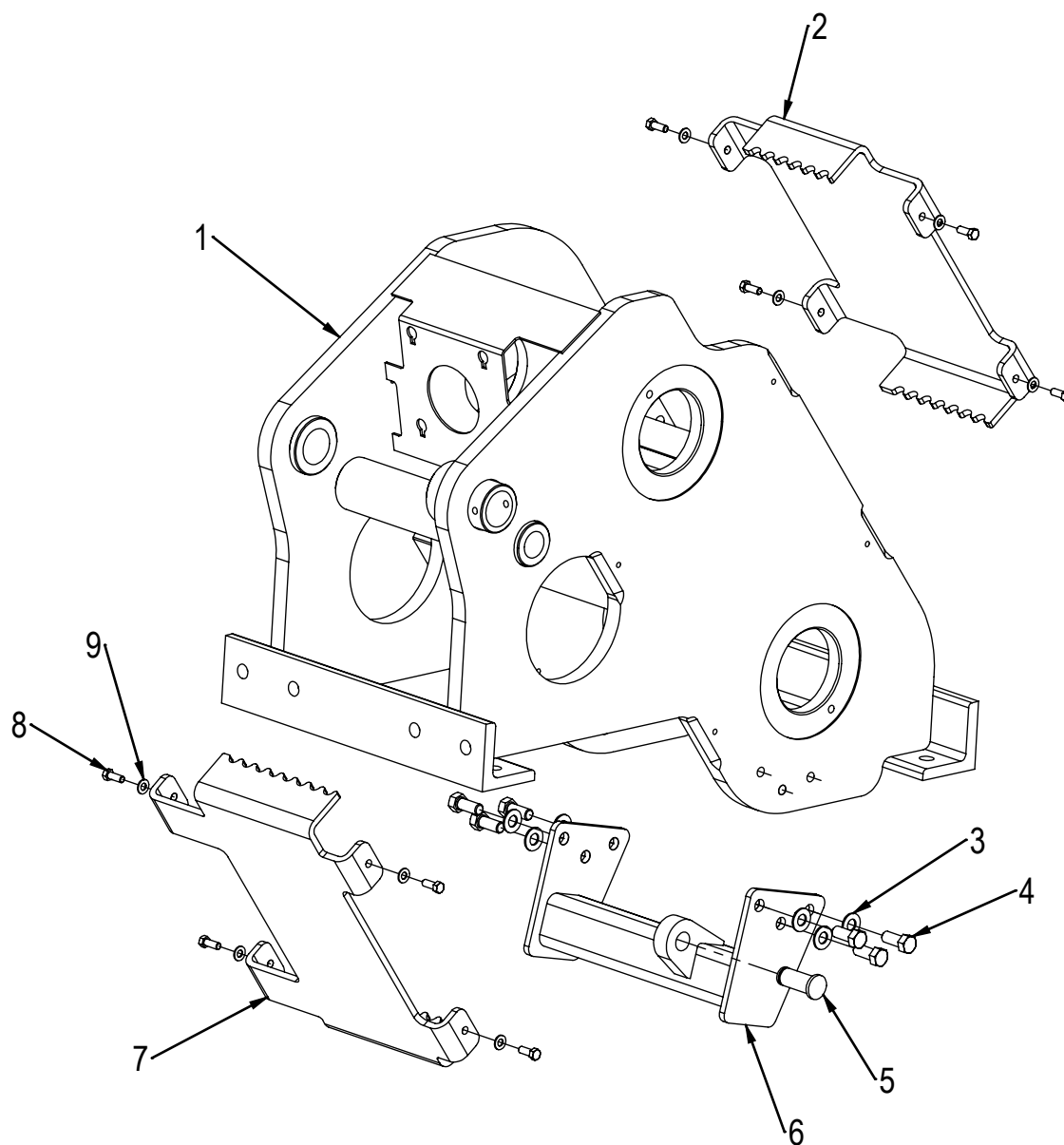
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Footnotes:

Notes:

Capstan Frame

HG1200



Capstan Frame

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6335	FRAME, FINAL MACHINE	1	
2	912-6348	COVER, TOP	1	
3	10FW-SAE	WASHER, 5/8"	6	
4	10HH24	SCREW, 5/8-11 x 1.5 HHC - GR8	6	
5	912-6309	PIN, 1 x 2.25	2	
6	912-3996	CYLINDER MOUNT	1	
7	912-6349	COVER, BOTTOM	1	
8	06HH16	SCREW, 3/8-16 x 1.00 HHC -GR8	8	
9	06FW-SAE	WASHER, 3/8"	8	

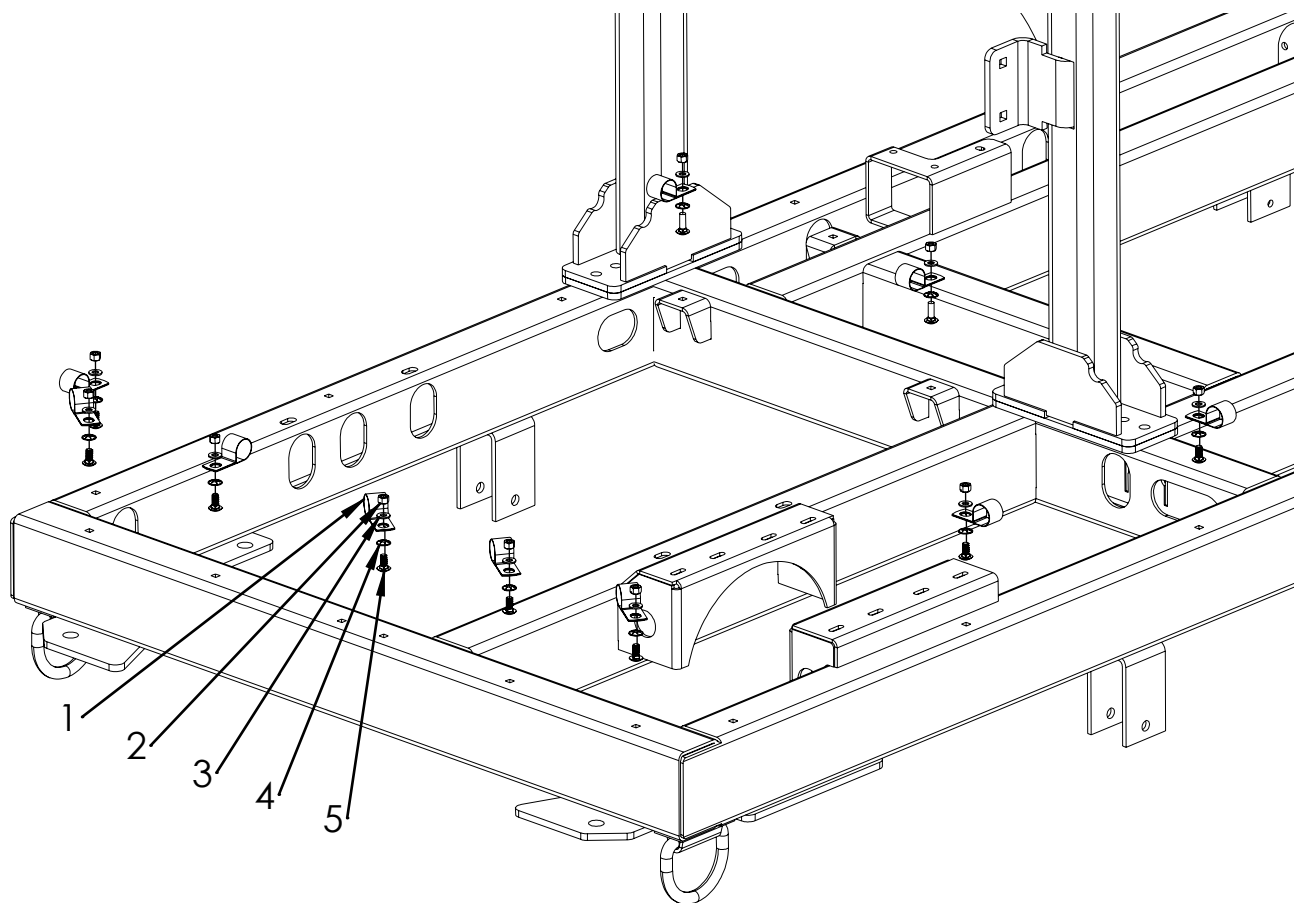
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Footnotes:

Notes:

Frame Clamps

HG1200



Frame Clamps
HG1200

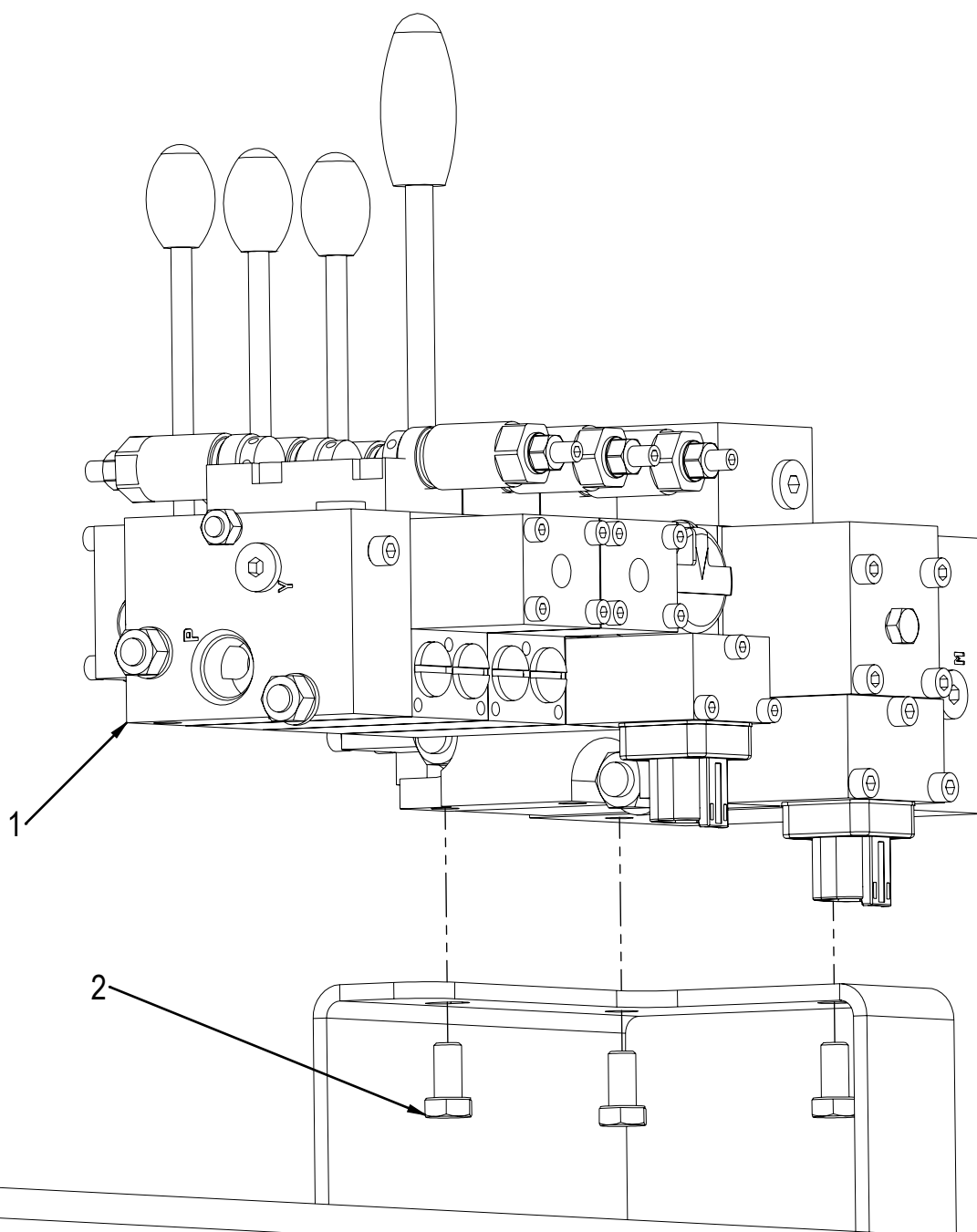
Bom ID	Part No	Description	Qty	Remarks
1	912-3601	CLAMP, 1" CUSHION	10	
2	05TLN	NUT, 5/16-18 TOP LOCK	10	
3	05FW-SAE	WASHER, 5/16"	10	
4	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	10	
5	941-5303	PUSH NUT, RETAINER 5/16"	10	

Not Shown:

Footnotes:

Notes:

Main Valve HG1200



Main Valve
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6193	VALVE, HAWE - TRACK	1	
2	M08HH16	SCREW, M8-1.25mm x 16mm HHC	3	

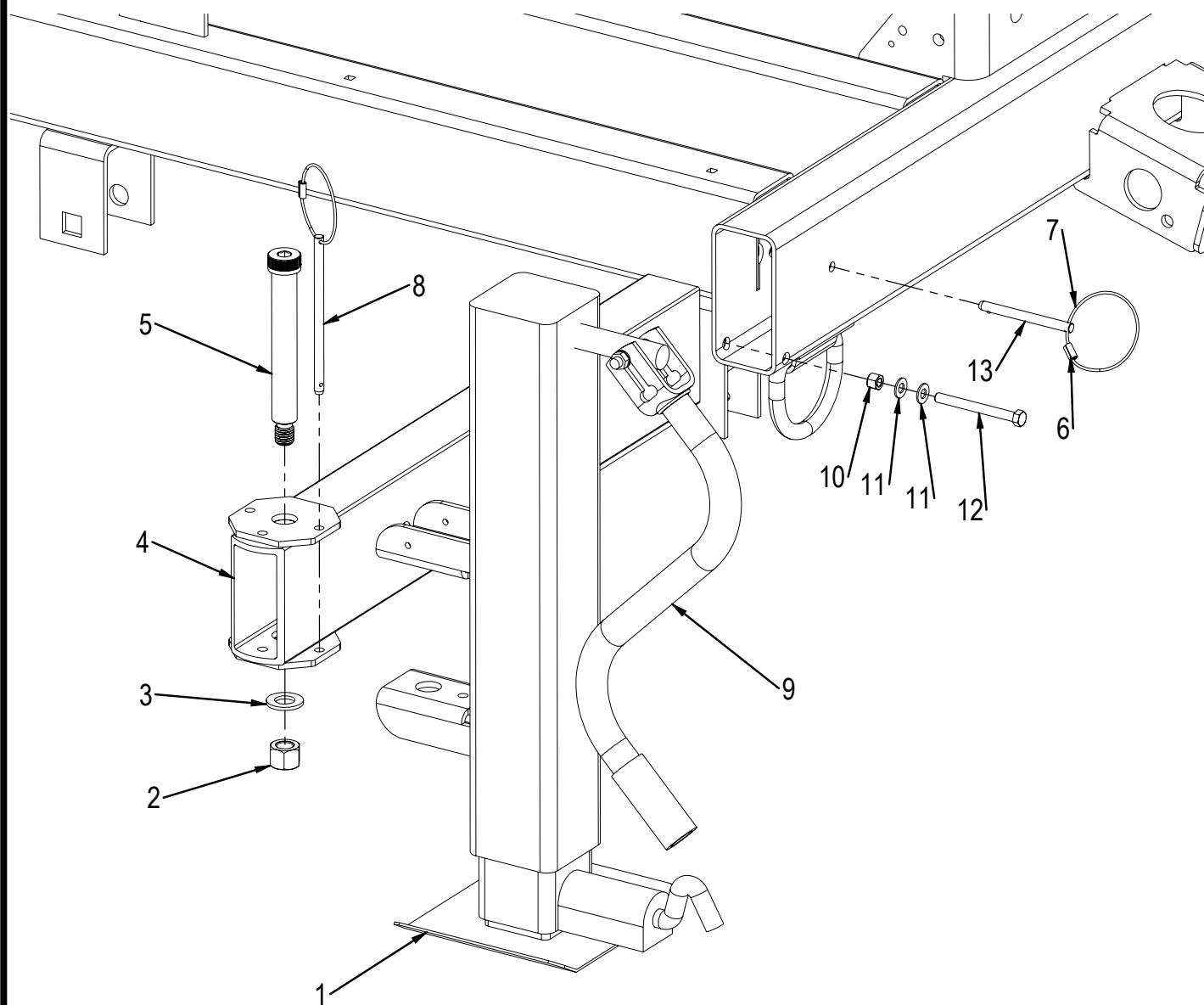
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Footnotes:

Notes:

Stabilizers

HG1200



Stabilizers

HG1200

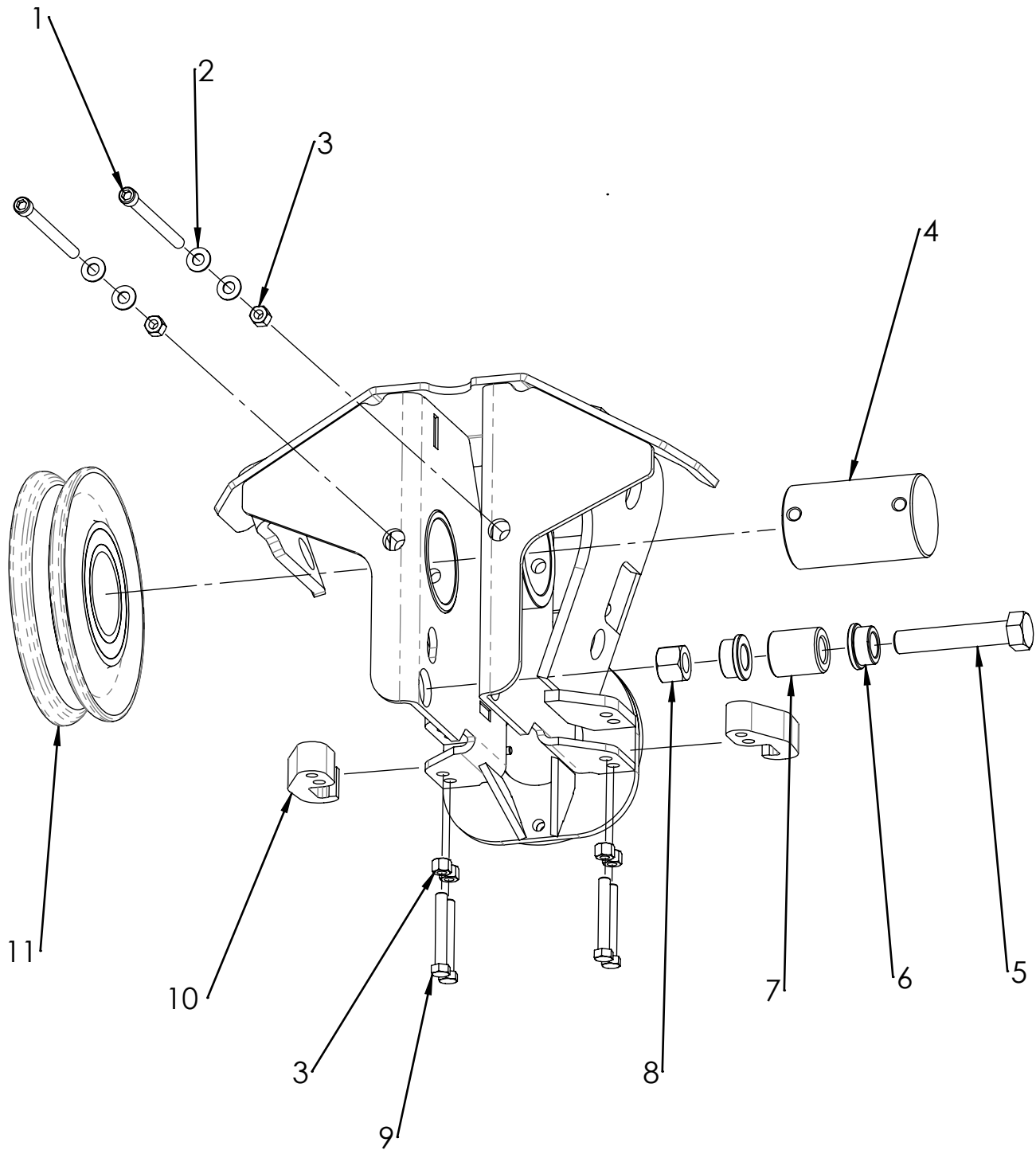
Bom ID	Part No	Description	Qty	Remarks
1	912-6023	JACK, WELDMENT	2	
2	12TLN	NUT, 3/4-10 TOP LOCK	2	
3	12FW-SAE	WASHER, 3/4"	2	
4	912-6022	LEG, OUTRIGGER	2	
5	16SS104	SCREW, SHOULDER 1" x 6.5"	2	
6	912-4764	FERRULE, 1/8" WIRE ROPE"	4	
7	912-4763	CABLE, 1/8" x 10"	4	
8	941-7432	QUICK RELEASE PIN	2	
9	912-3729	HANDLE, OUTRIGGER JACK	2	
10	06TLN	NUT, 3/8-16 TOP LOCK	2	
11	06FW-SAE	WASHER, 3/8"	4	
12	06HH60	SCREW, 3/8-16 x 3.75 HHC - GR8	2	
13	912-6026	PIN, OUTRIGGER	2	

Not Shown:

Footnotes:

Notes:

Downhole Unit HG1200



Downhole Unit

HG1200

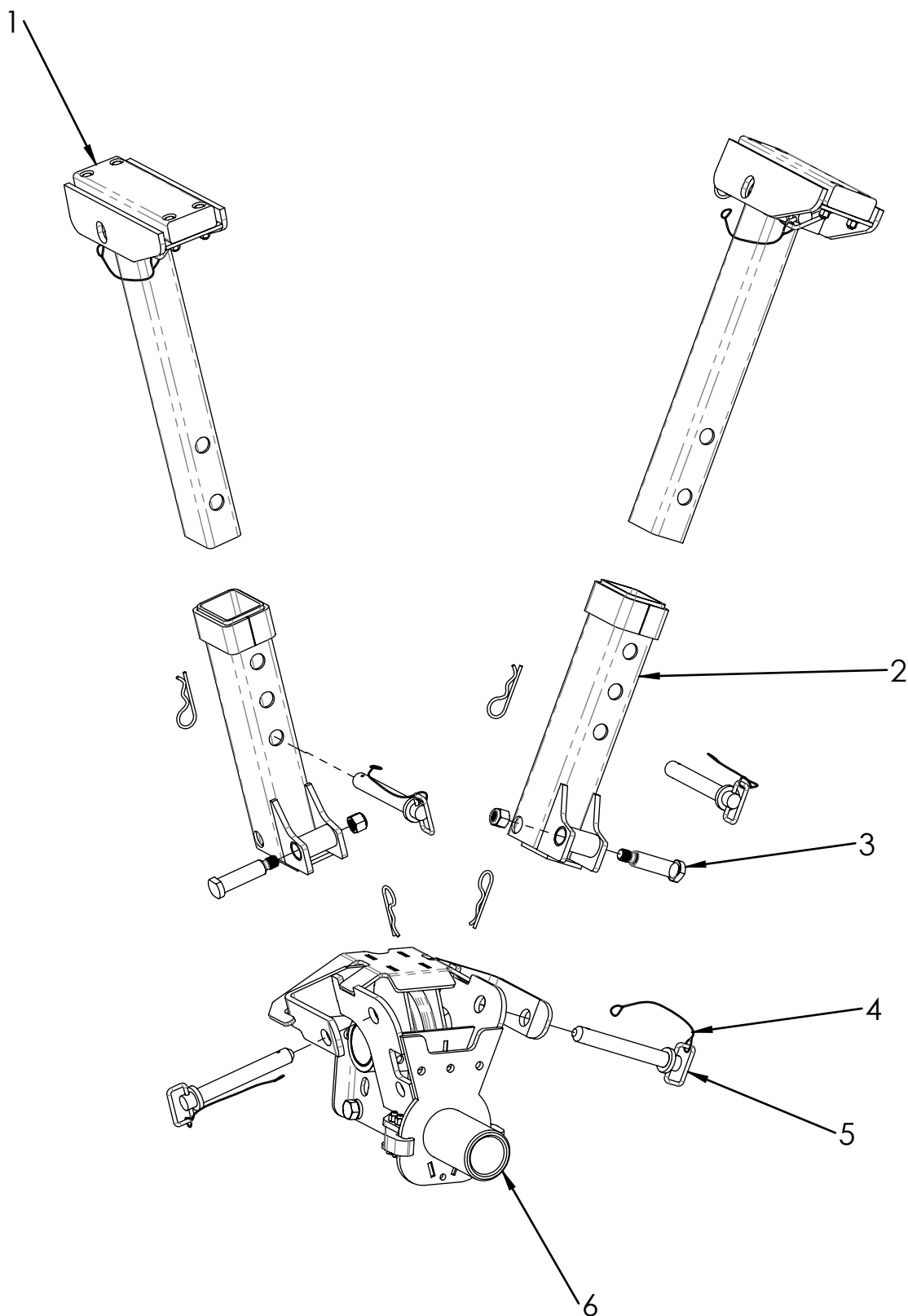
Bom ID	Part No	Description	Qty	Remarks
1	06SH80	SCREW, 3/8-16 x 5.00" SHC	2	
2	06FW-SAE	WASHER, 3/8"	4	
3	06TLN	NUT, 3/8-16 TOP LOCK	6	
4	912-3748	SHAFT, DOWNHOLE UNIT SHEAVE	1	
5	12HH64	SCREW, 3/4-10 x 4.0 HHC - GR8	1	
6	912-3891	BUSHING	2	
7	912-3964	BUSHING SUPPORT	1	
8	12TLN	NUT, 3/4-10 TOP LOCK	1	
9	06HH40	SCREW, 3/8-16 x 2.5 HHC - GR8	4	
10	912-2038	FINGER	2	
11	912-3872	SHEAVE ASSEMBLY	1	

Not Shown:

Footnotes:

Notes:

Mast Feet HG1200



Mast Feet
HG1200

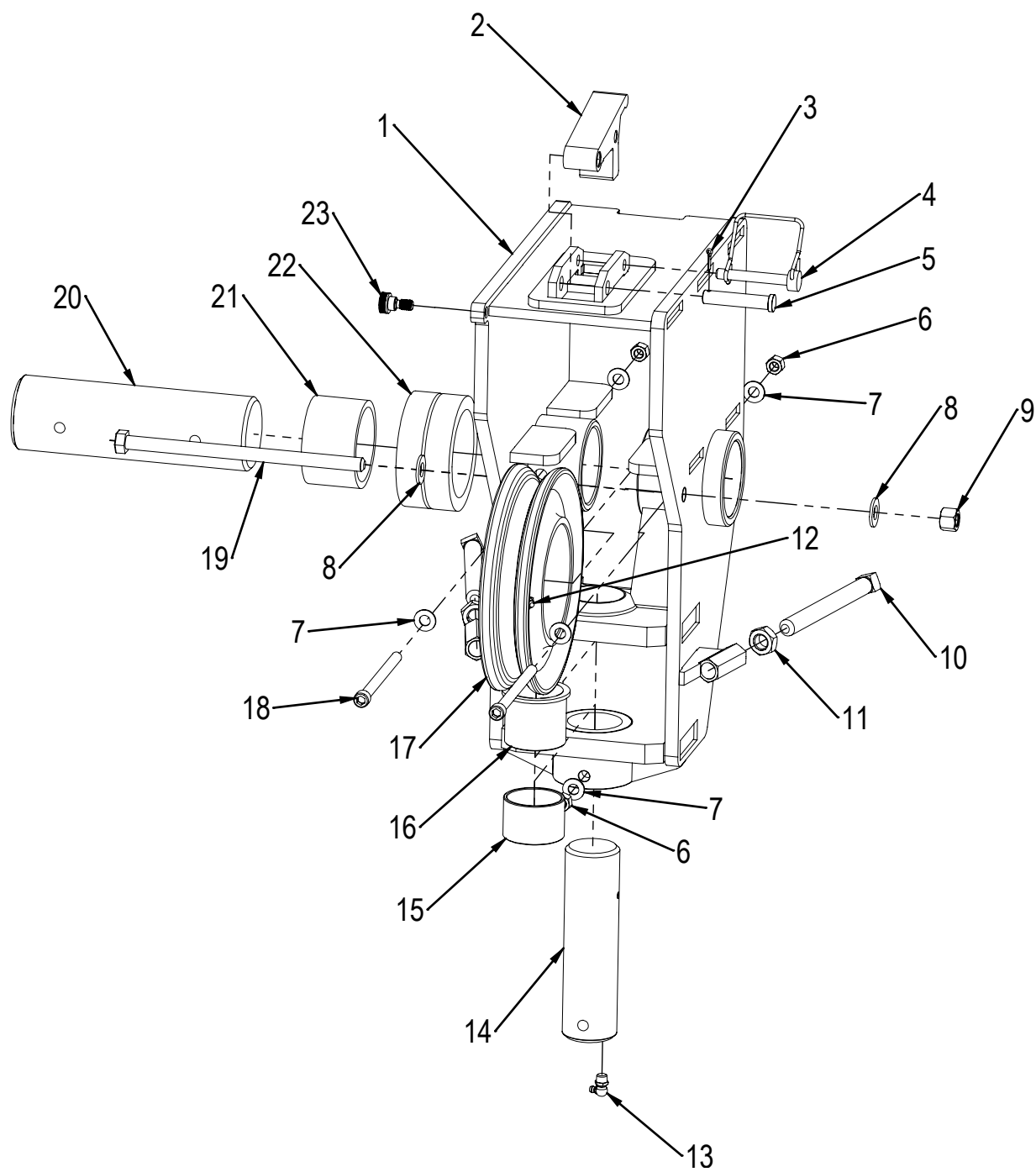
Bom ID	Part No	Description	Qty	Remarks
1	912-4204	LEG AND FOOT ASSEMBLY	2	
2	912-3742	LEG, EXTENSION	2	
3	912-3743	PIVOT BOLT, LOWER UNIT	2	
4	912-2064	LANYARD, 12"	4	
5	912-4280	PIN, 1 X 7-1/4	4	
6	912-3747	DOWNHOLE UNIT WELDMENT	1	

Not Shown:

Footnotes:

Notes:

Mast Pivot HG1200



Mast Pivot

HG1200

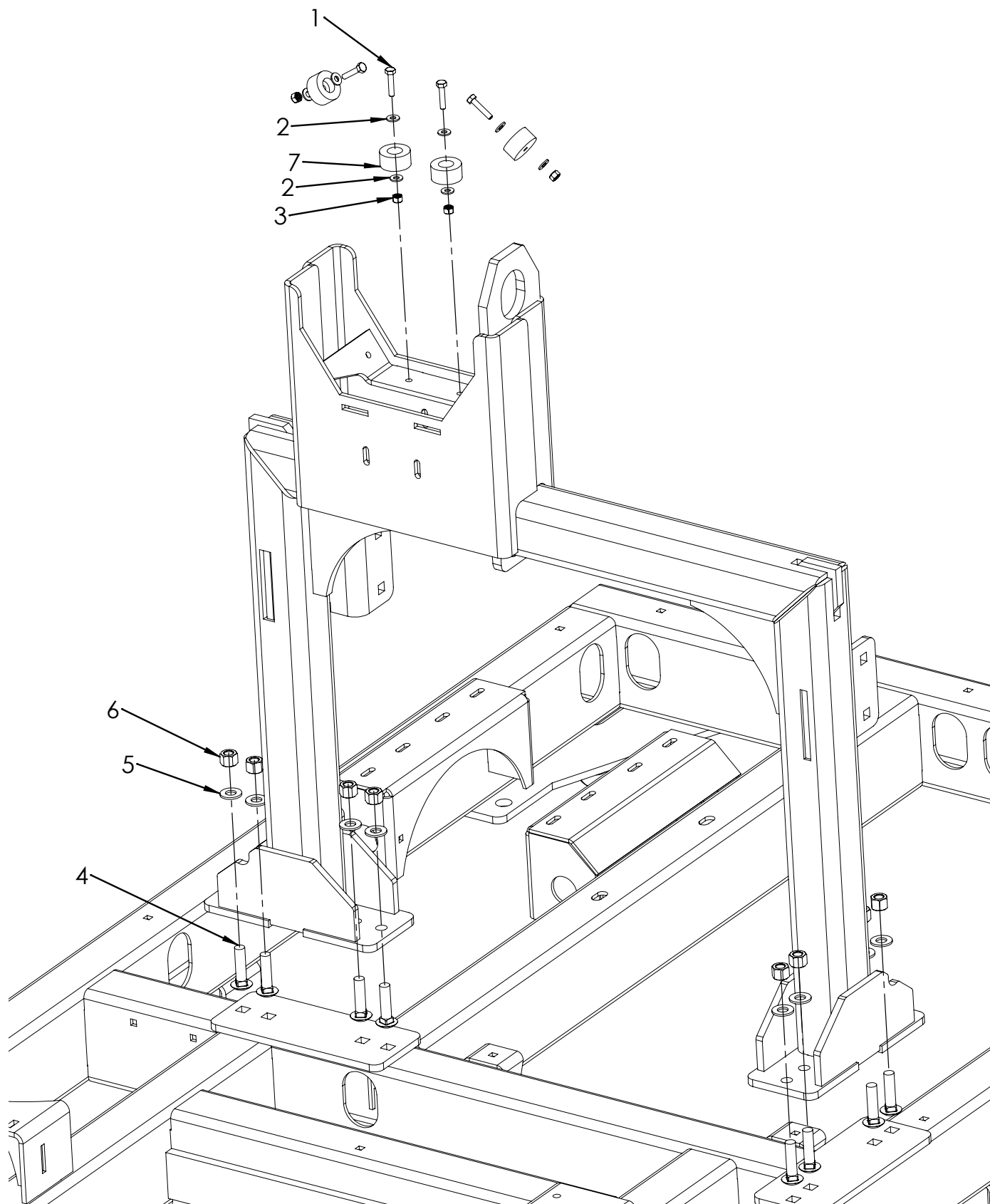
Bom ID	Part No	Description	Qty	Remarks
1	912-3732	PIVOT WELDMENT	1	
2	912-3514	MAST LATCH	1	
3	912-0094	PIN, 3/32 x 3/4 COTTER	1	
4	912-2039	PIN, 3/8 LYNCH	1	
5	912-5357	PIN, 1/2 x 2-1/2" CLEVIS	1	
6	06TLN	NUT, 3/8-16 TOP LOCK	3	
7	06FW-SAE	WASHER, 3/8"	6	
8	08FW-SAE	WASHER, 1/2"	2	
9	08TLN	NUT, 1/2-13 TOP LOCK	1	
10	912-0090	SCREW, 5/8-11 x 6" SHCPS"	2	
11	10HJN	NUT, 5/8-11 HEX JAM	2	
12	912-1149	FITTING, GREASE	1	
13	912-1150	FITTING, GREASE, 1/8" NPT 90 DEG.	1	
14	912-3911	SHAFT, DOWNRIGGER HINGE	1	
15	912-3925	OIL BRONZE BUSHING-660	1	
16	912-3927	OIL BRONZE BUSHING-841	1	
17	912-3740	SHEAVE, 8.5"	1	
18	06SH80	SCREW, 3/8-16 x 5.00" SHC	2	
19	912-3967	1/2-13 x 9" HHCS	1	
20	912-3739	SHAFT ,UPPER SHEAVE	1	
21	912-2047	RACE, 2.75 INNER	1	
22	912-2046	BEARING, 3-25 NEEDLE	1	
23	912-6307	SCREW, SHOULDER 1/2 x .25 - SS	4	

Not Shown:

Footnotes:

Notes:

Mast Rest HG1200



Mast Rest

HG1200

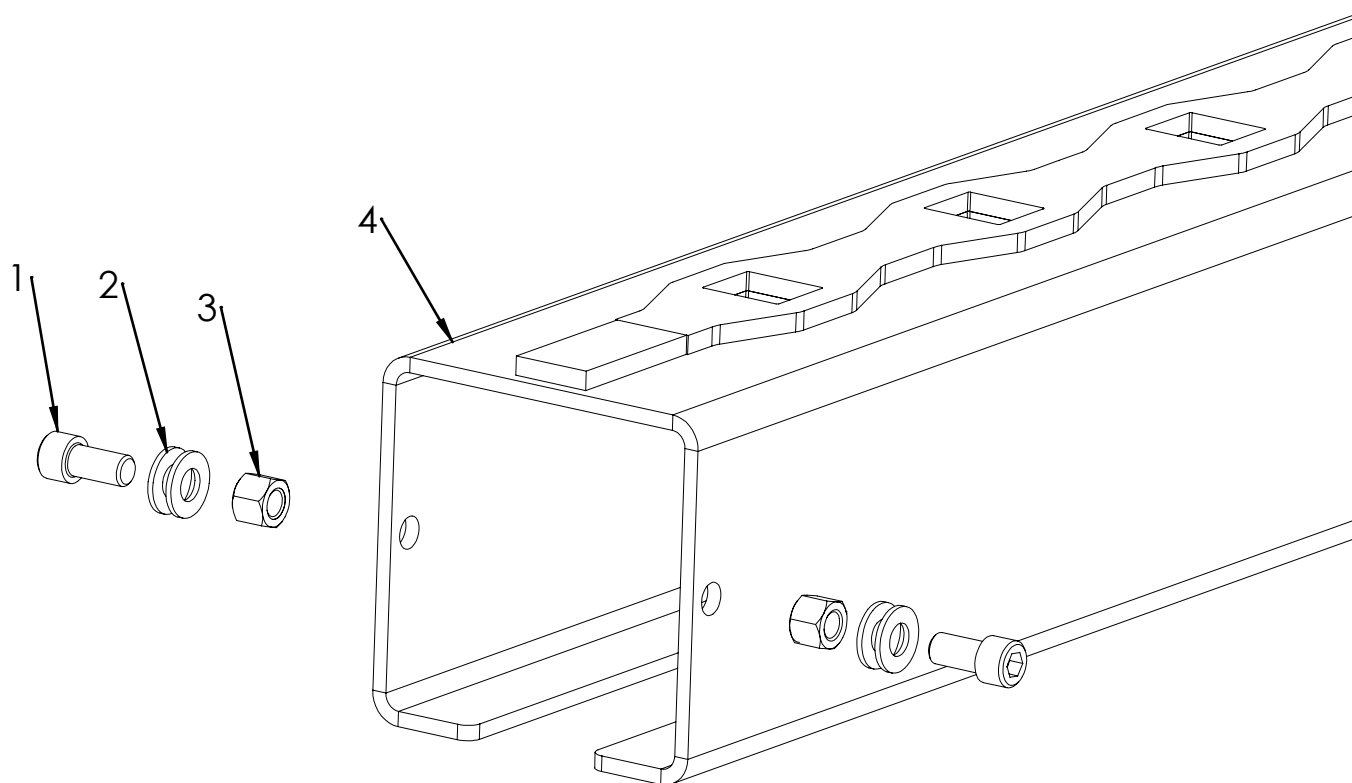
Bom ID	Part No	Description	Qty	Remarks
1	04HH20	SCREW, 1/4-20 x 1.25 HHC - GR8	4	
2	04FW-SAE	WASHER, 1/4"	8	
3	04TLN	NUT, 1/4-20 TOP LOCK	4	
4	08CB32	BOLT, 1/2-13 x 2 CARRIAGE	8	
5	08FW-SAE	WASHER, 1/2"	8	
6	08TLN	NUT, 1/2-13 TOP LOCK	8	
7	912-3937	BUMPER-MAST LOCK	4	

Not Shown:

Footnotes:

Notes:

Mast Stop HG1200



Mast Stop

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	08SH16	SCREW, 1/2-13 x 1.00" SHC	2	
2	08FW-SAE	WASHER, 1/2"	4	
3	08TLN	NUT, 1/2-13 TOP LOCK	2	
4	912-3912	MAST TUBE, OUTER	1	

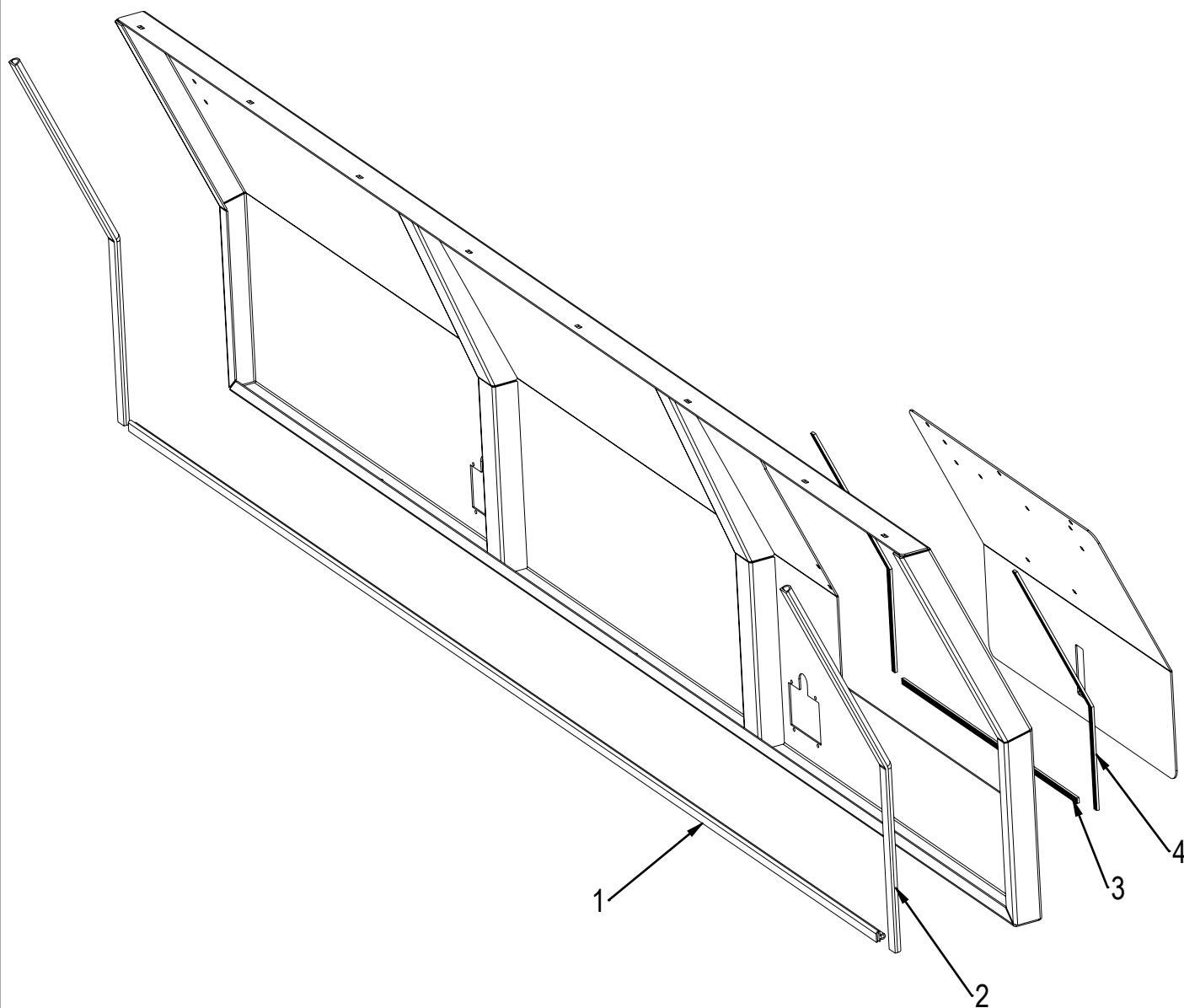
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Footnotes:

Notes:

Insulation

HG1200



Insulation
HG1200

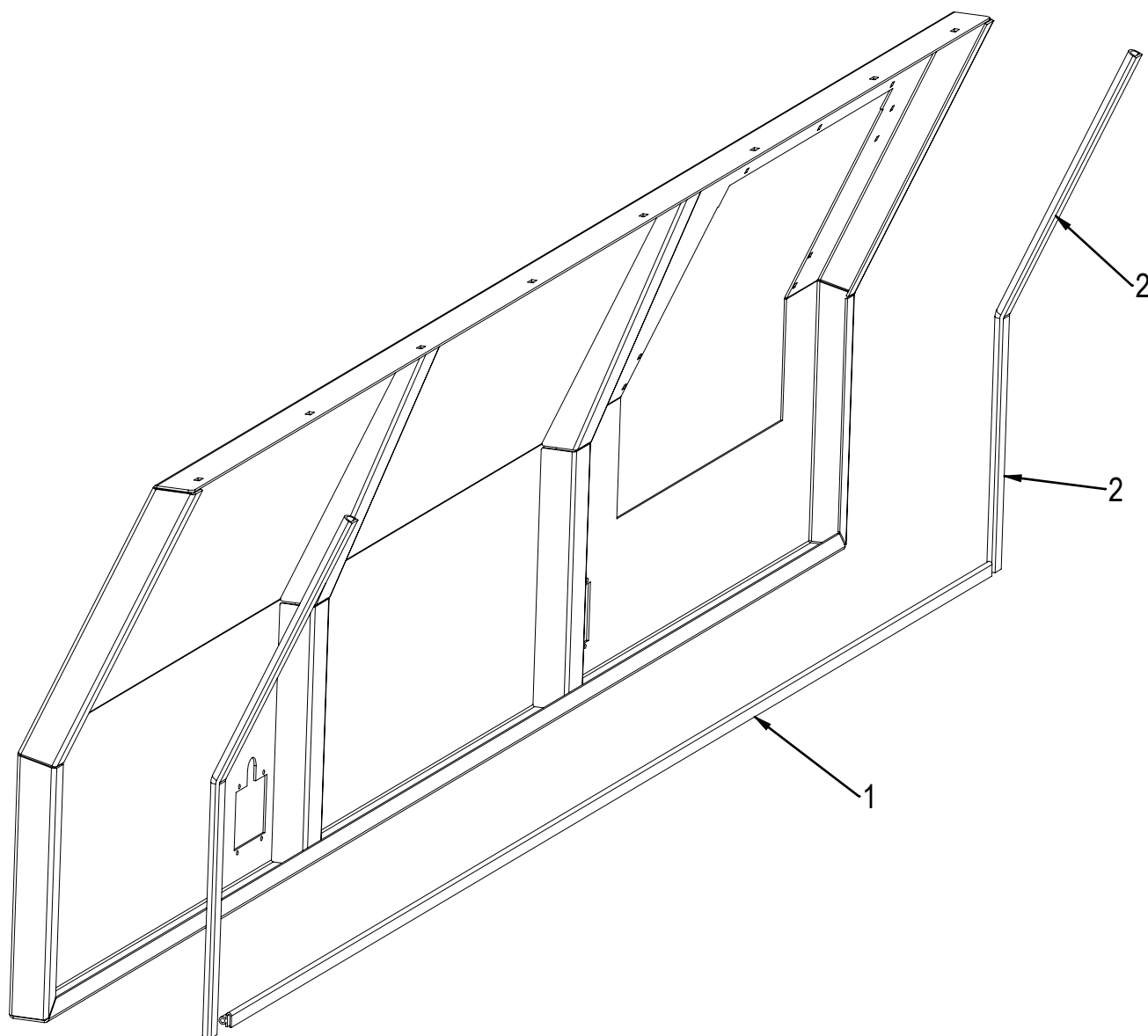
Bom ID	Part No	Description	Qty	Remarks
1	912-6282	SEAL, RUBBER BULB, 94"	1	
2	912-6283	SEAL, RUBBER BULB, 27.5"	2	
3	912-6232	SEAL, RIBBED, 22"	1	
4	912-6231	SEAL, RIBBED, 18.5"	2	

Not Shown:

Footnotes:

Notes:

Insulation
HG1200



Insulation
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6282	SEAL, RUBBER BULB, 75"	1	
2	912-6283	SEAL, RUBBER BULB, 27.5"	4	

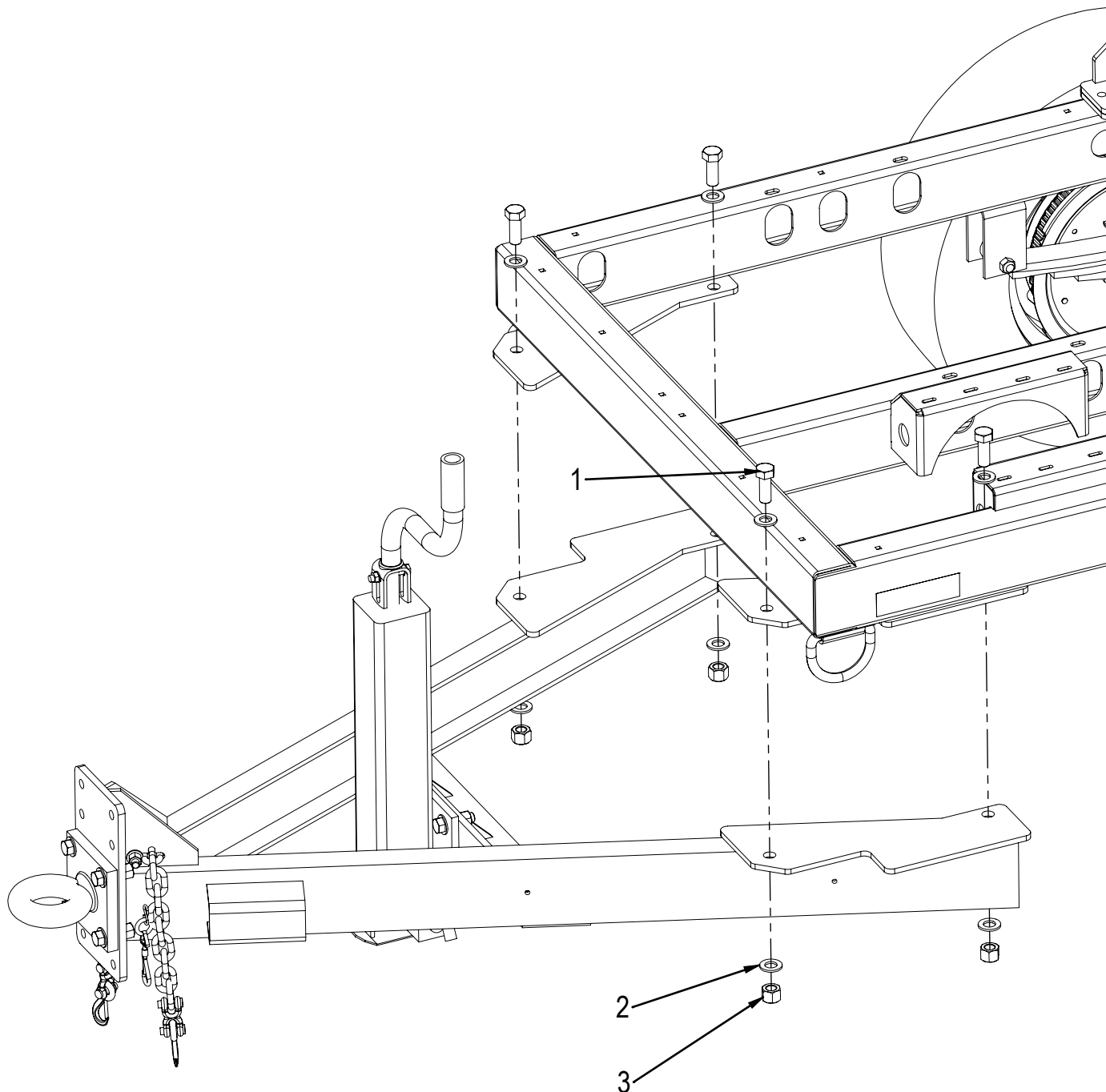
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Footnotes:

Notes:

Tongue to Frame - Axle Unit

HG1200



Tongue to Frame - Axle Unit

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	12HH32	SCREW, 3/4-10 x 2.0 HHC - GR8	4	
2	12FW-SAE	WASHER, 3/4"	8	
3	12TLN	NUT, 3/4-10 TOP LOCK	4	

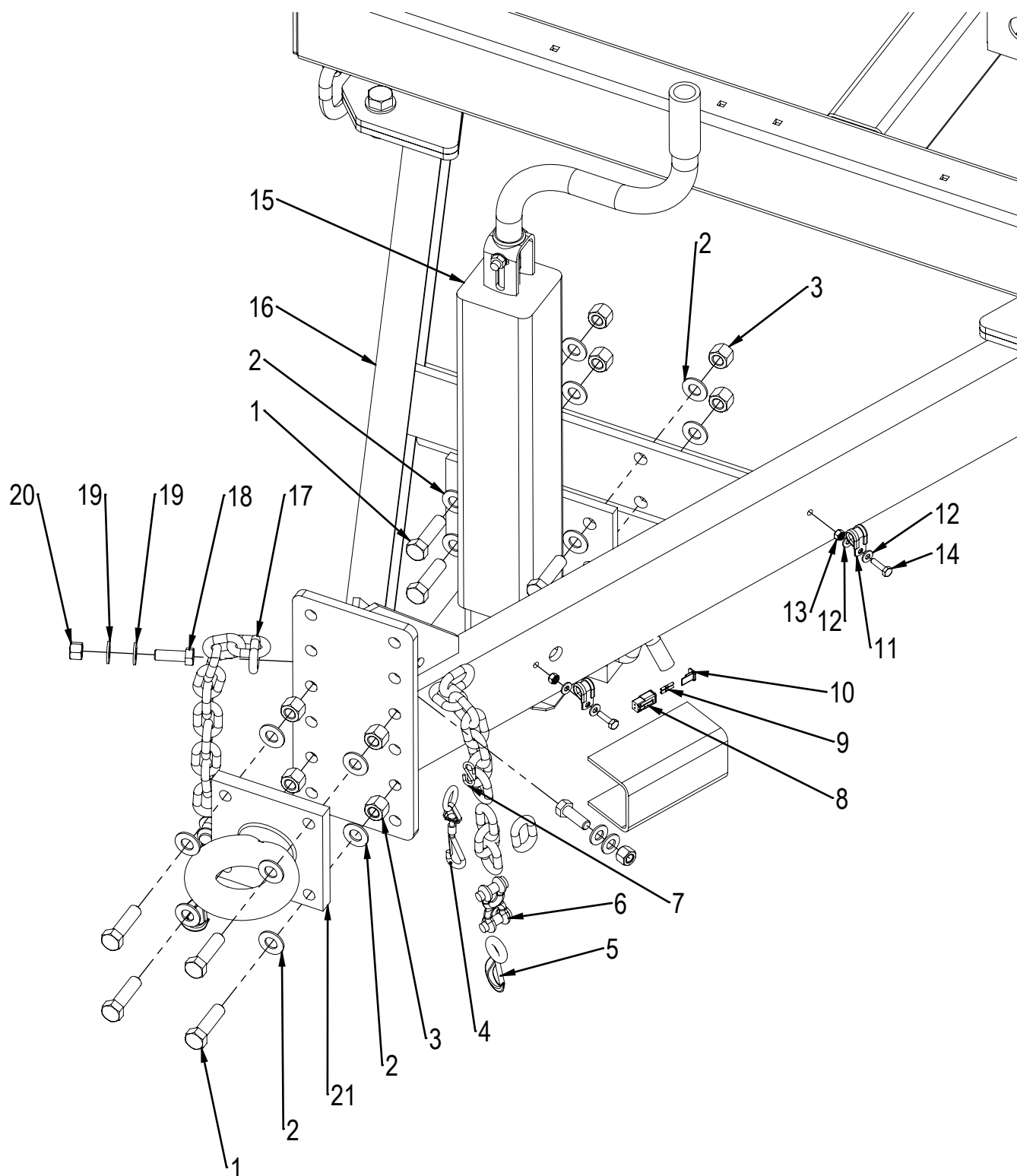
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Footnotes:

Notes:

Tongue Assembly - Axle Unit

HG1200



Tongue Assembly - Axle Unit

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	10HH36	SCREW, 5/8-11 x 2.25 HHC - GR8	8	
2	10FW-SAE	WASHER, 5/8"	16	
3	10TLN	NUT, 5/8-11 TOP LOCK	8	
4	912-3939	CABLE HOOK	1	
5	912-1060	HOOK GRAB W/HD LATCH	2	
6	941-1050	DOUBLE CLEVIS, 3/8"	2	
7	912-4021	S HOOK	1	
8	912-3625	PLUG CONNECTOR	3	
9	912-3626	SOCKET CONTACT	6	
10	912-3627	LOCK 2 WAY PLUG	3	
11	909-8396	CLAMP, HOSE 1/2"	2	
12	04FW-SAE	WASHER, 1/4"	4	
13	04TLN	NUT, 1/4-20 TOP LOCK	2	
14	04HH16	SCREW, 1/4-20 x 1.0 HHC - GR8	2	
15	912-4116	JACK, TONGUE -HD	1	
16	912-4109	BOLT ON TONGUE -HD JACK	1	
17	912-1058	CHAIN 3/8 X 36	2	
18	08HH24	SCREW, 1/2-13 x 1.5 HHC - GR8	2	
19	08FW-SAE	WASHER, 1/2"	4	
20	08TLN	NUT, 1/2-13 TOP LOCK	2	
21	912-1000	HITCH, PINTLE	1	

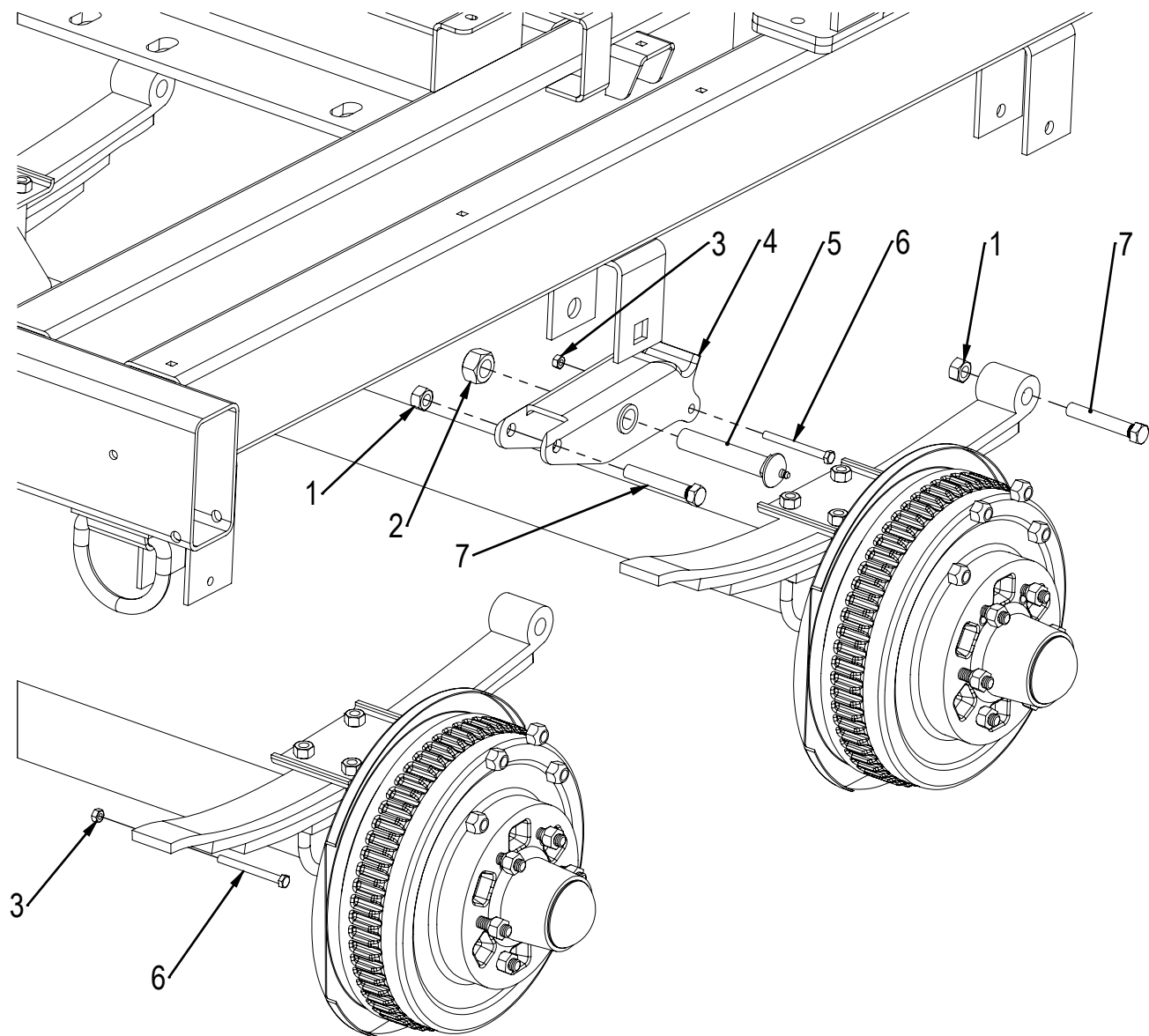
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Footnotes:

Notes:

Axle Mounting

HG1200



Axle Mounting

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-3816	SPRING EYE BOLT NUT	4	
2	912-3818	EQUALIZER NUT	2	
3	912-3817	KEEPER BOLT NUT	4	
4	912-3983	EQUALIZER, BLACK	2	
5	912-3819	EQUALIZER BOLT	2	
6	912-3820	KEEPER BOLT	4	
7	912-3821	SPRING EYE BOLT	4	

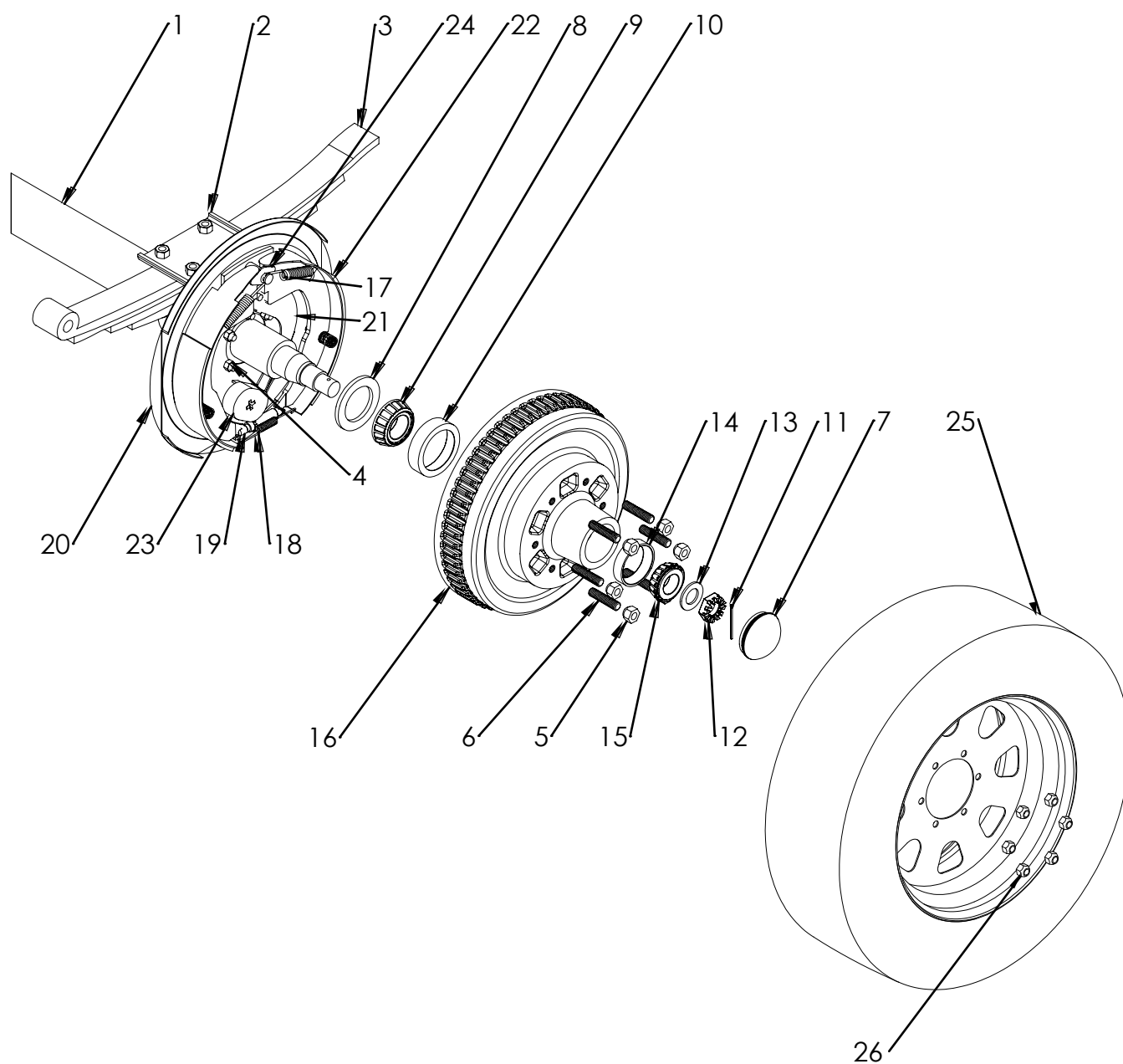
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Footnotes:

Notes:

Axle Assembly

HG1200



Axle Assembly

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-4022	AXLE 6000 LBS.	2	
2	912-4054	U-BOLT KIT	4	
3	912-4056	SLIPPER SPRING	4	
4	912-4053	NUT, BRAKE MOUNTING	20	
5	912-4027	NUT WHEEL 1/2-20	24	
6	912-4025	WHEEL STUD 1/2"	24	
7	912-4028	GREASE CUP	4	
8	912-4035	GREASE SEAL	4	
9	912-4033	INNER BEARING CONE	4	
10	912-4034	INNER BEARING CUP	4	
11	912-4032	COTTER PIN	4	
12	912-4029	NUT, SPINDLE	4	
13	912-4031	SPINDLE WASHER	4	
14	912-4030	OUTER BEARING CUP	4	
15	912-4026	OUTER BEARING CONE	4	
16	912-4024	HUB & DRUM	4	
17	912-4044	RETRACTOR SPRING	4	
18	912-4045	ADJUSTING SCREW SPRING	4	
19	912-4043	ADJUSTER ASSY	4	
20	912-4037	BACK PLATE ASSY	4	
21	912-4046	LH ACTUATING LEVER ARM ASSY	4	
22	912-4039	SHOE & LINING KIT	4	
23	912-4041	MAGNET KIT	4	
24	912-4057	WASHER, ANCHOR POST	4	
25	912-1015	RIM & TIRE 15" MOD 2150# RADIAL	4	
26	912-2505	NUT, LUG 1/2 60 DEG	24	

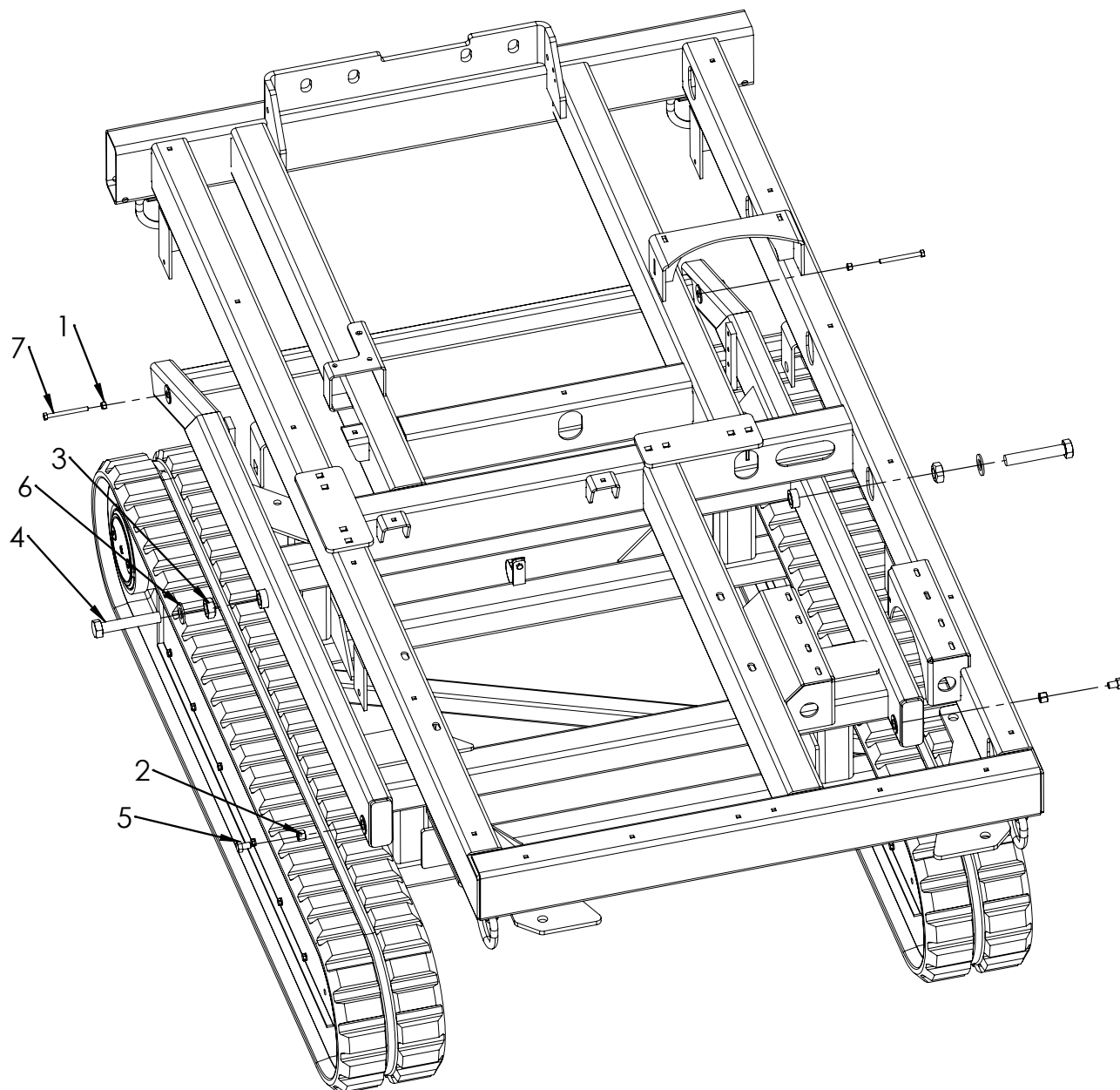
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Footnotes:

Notes:

Tracks to Frame

HG1200



Tracks to Frame

HG1200

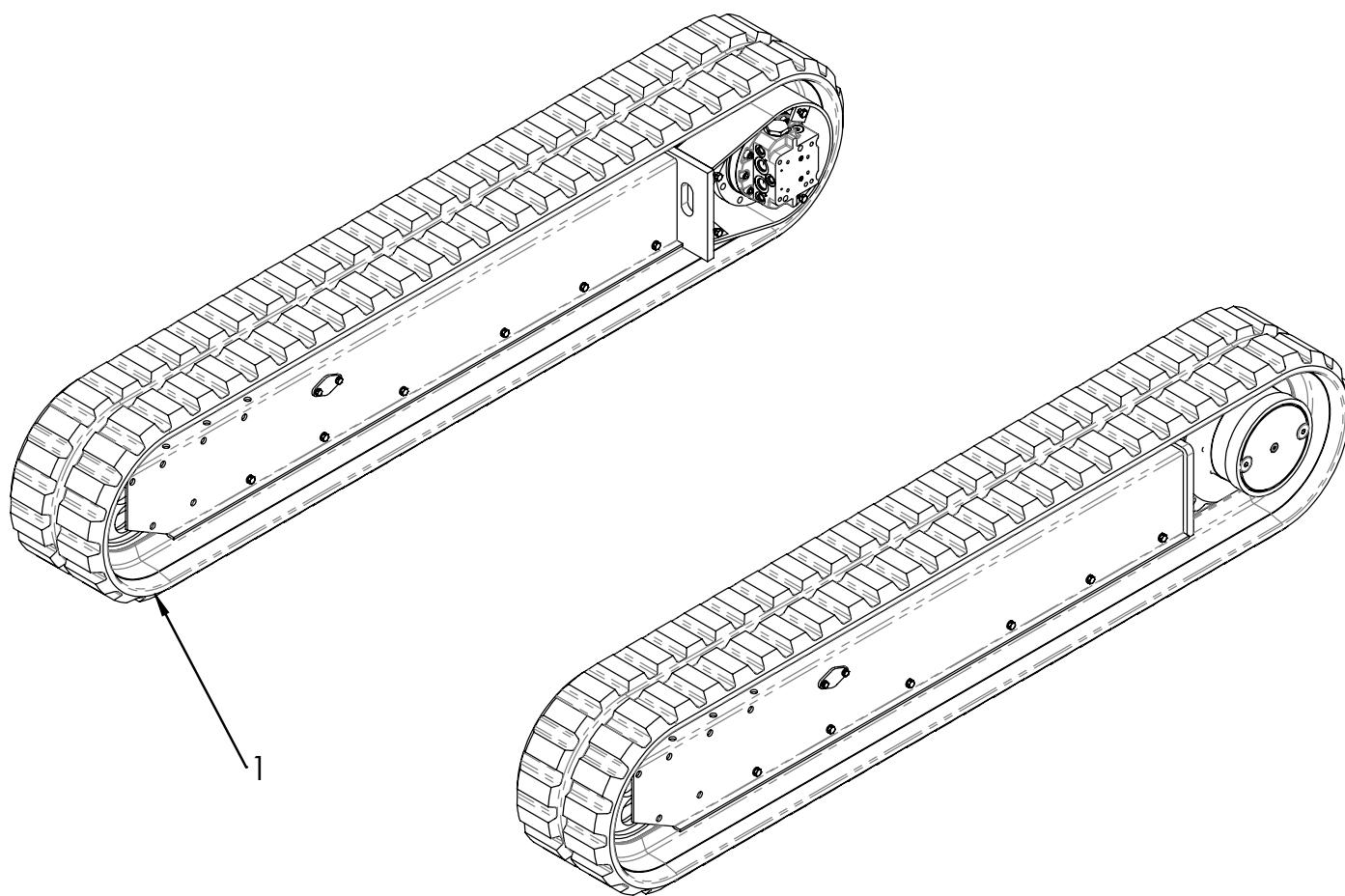
Bom ID	Part No	Description	Qty	Remarks
1	05TLN	NUT, 5/16-18 TOP LOCK	2	
2	08TLN	NUT, 1/2-13 TOP LOCK	2	
3	912-4366	NUT, 7/8-9 TOP-LOCK	2	
4	912-4390	SCREW, 7/8-9 X 5.0 HHC GR8	2	
5	08HH12	SCREW, 1/2-13 x .75 HHC - GR8	2	
6	14FW-SAE	WASHER, 7/8"	2	
7	05HH56	SCREW, 5/16-18 x 3.5 HHC - GR8	2	

Not Shown:

Footnotes:

Notes:

Track Assembly HG1200



Track Assembly
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-3486	TRACK SUB ASSEMBLY	1	

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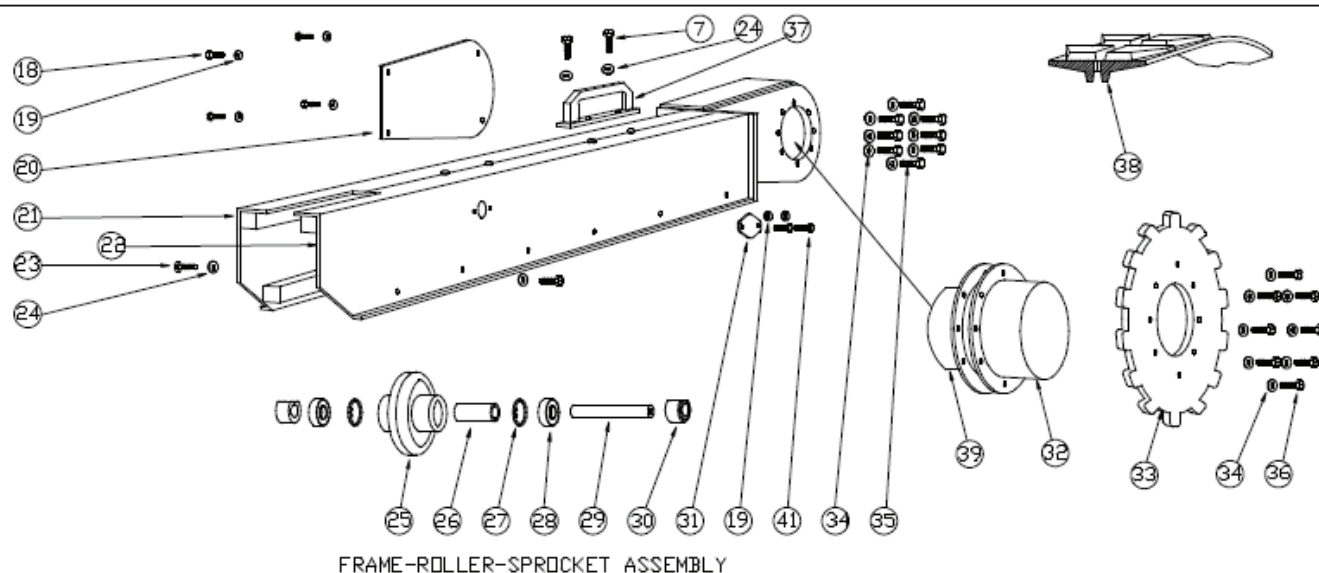
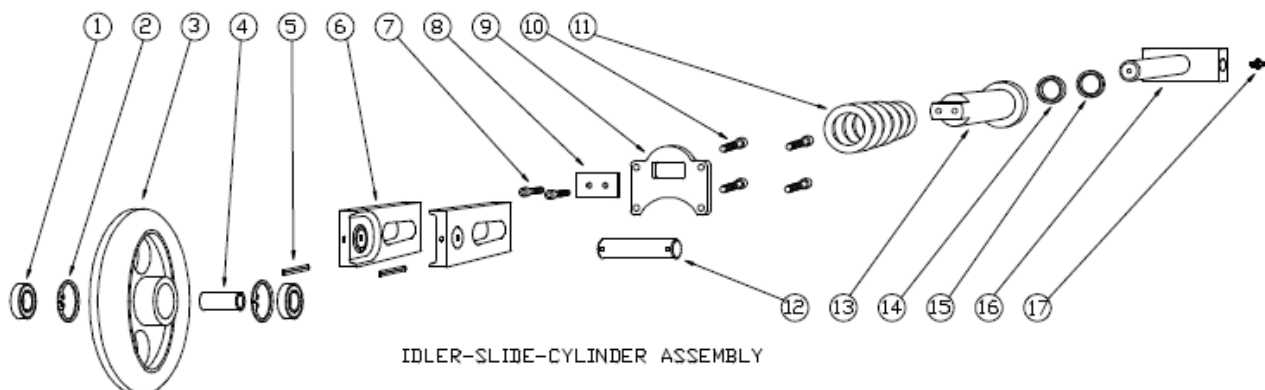
Footnotes:

Notes:

Track Assembly

HG1200

TRK 60 RAYMAR MFG INC



Track Assembly

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-4334	IDLER BEARING	8	
2	912-4335	IDLER RETAINING RING	4	
3	912-4336	IDLER	2	
4	912-4337	IDLER BEARING SPACER	2	
5	941-2220	ROLL PIN	2	
6	912-4339	SLIDE BLOCK	4	
7	912-2145	5/16 x 1 HHCS	12	
8	912-4340	STOP PLATE	2	
9	912-4341	PUSH PLATE	2	
10	912-0332	3/8 x 1.25SHCS	8	
11	912-4342	TRACK TENSION SPRING	2	
12	912-4343	IDLER SHAFT	2	
13	912-4344	TRACK TENSION GR CYL	2	
14	912-4345	ROD SEAL	2	
15	912-4346	ROD WIPER	2	
16	912-4347	GREASE ROD	2	
17	941-2221	GREASE FITTING	2	
18	04HH12	1/4x3/4 HHCS Gr 8	8	
19	04FW-SAE	1/4 LOCK WASHER GR 8	12	
20	912-3487	WHEEL MOTOR COVER	2	
21	912-3486	TRACK FRAME-RH	1	
22	912-3486	TRACK FRAME - LH	1	
23	05HH12	5/16 x 3/4 HHCS	24	
24	05FW-SAE	5/16 LOCK WASHER Gr8	36	
25	912-4349	ROLLER	12	
26	912-4350	ROLLER BEARING SPACER	12	
27	912-4351	ROLLER RETAINING RING	24	
28	912-4352	ROLLER BEARING	24	
29	912-4353	ROLLER SHAFT	12	
30	912-4354	ROLLER BUSHING	24	
31	912-4355	GR CYL COVER PLATE	2	
33	912-3488	D-60TRK SPROCKET	2	
34	912-4336	M10 LOCK WASHERS	32	
35	912-4337	M10-1.5x30SHCS	16	
36	912-4337	M10-1.5x25SHCS	16	
37	912-4358	TRACK REST	4	
38	912-4359	230 x 56 x 72 TRACK	2	
39	912-3483	MOTOR/GEAR DRIVE ASSEMBLY	2	
40	912-4337	M10-1.5x30SHCS	16	

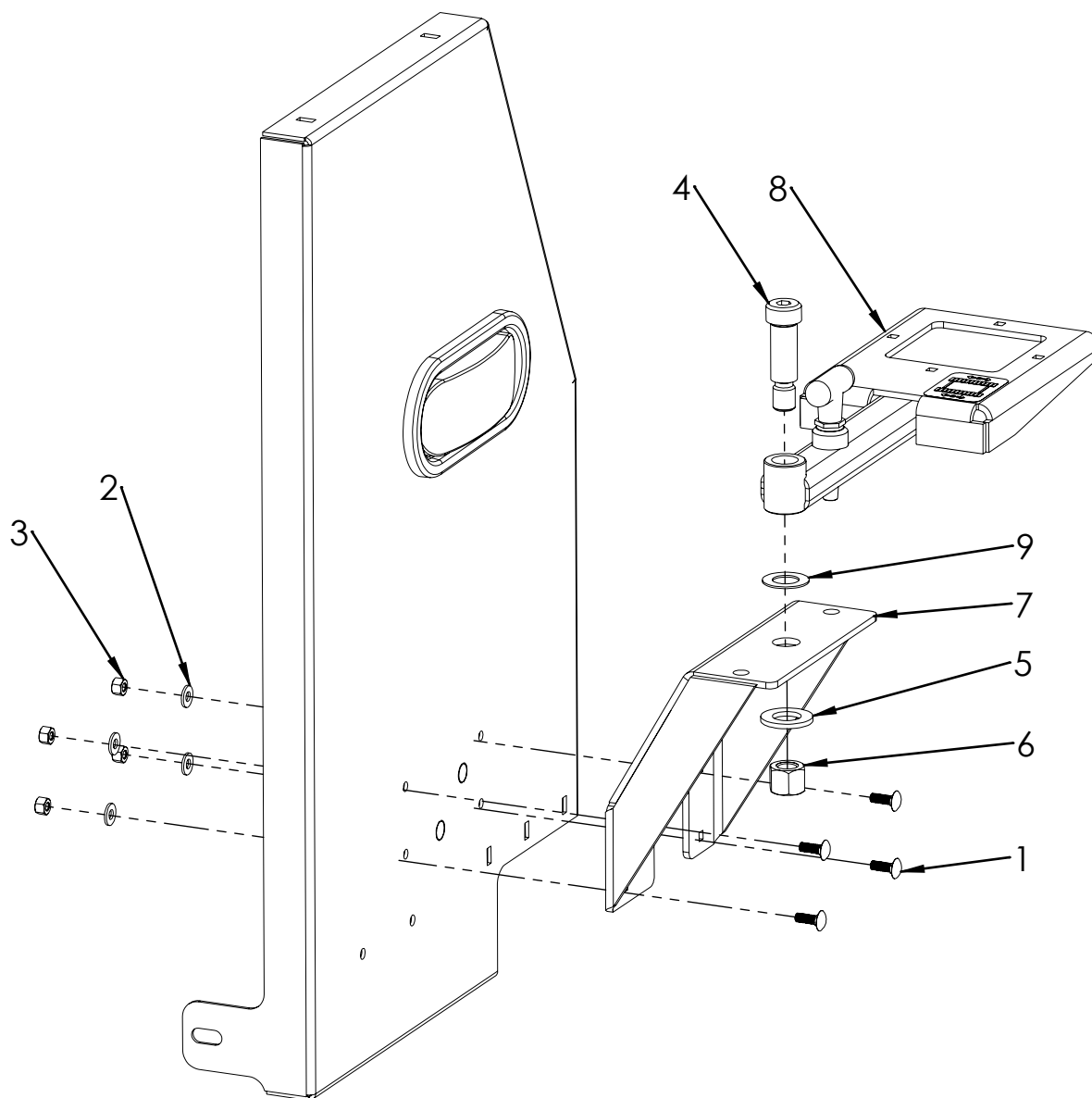
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Footnotes:

Notes:

Pivot Mount to Base—Track Unit

HG1200



Pivot Mount to Base—Track Unit

HG1200

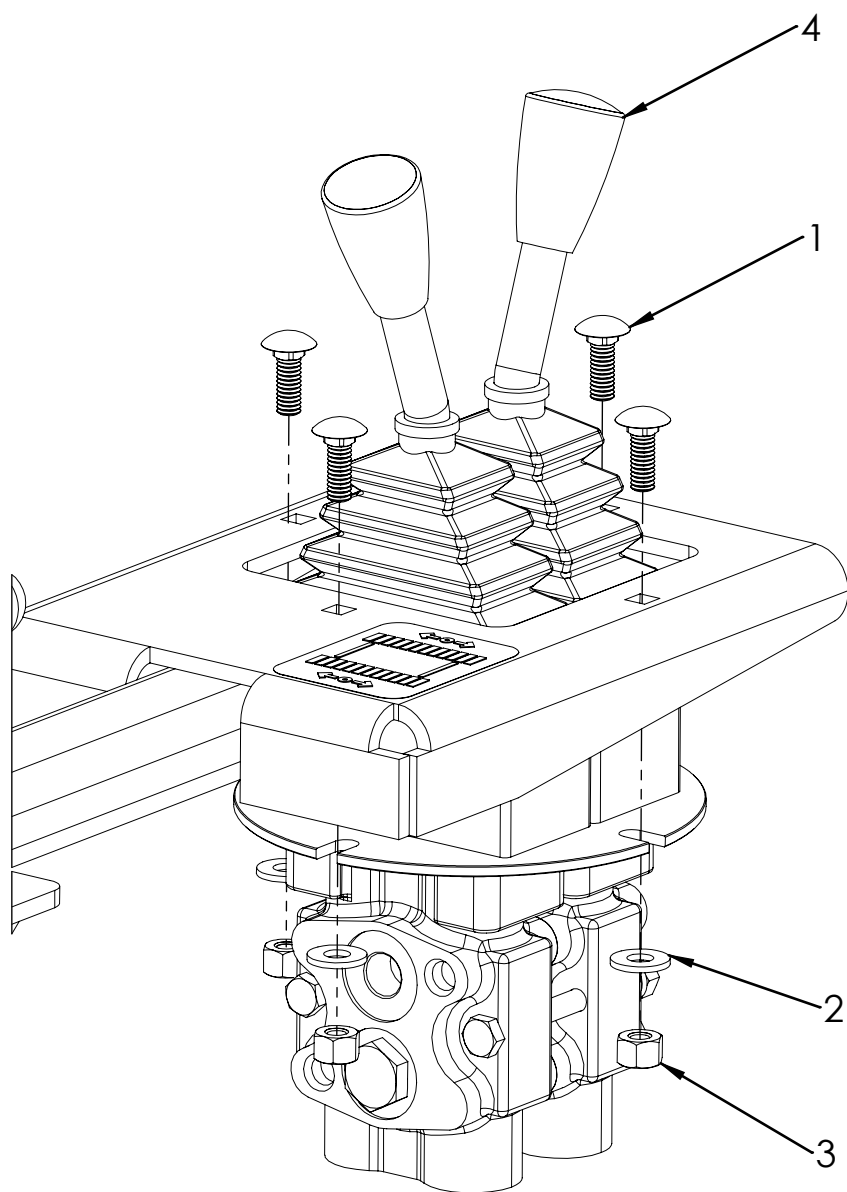
Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	4	
2	04FW-SAE	WASHER, 1/4"	4	
3	04TLN	NUT, 1/4-20 TOP LOCK	4	
4	12SS28	SCREW, 3/4 x 1.75 SHOULDER	1	
5	12FW-SAE	WASHER, 3/4"	1	
6	10TLN	NUT, 5/8-11 TOP LOCK	1	
7	941-2219	PIVOT, MOUNT	1	
8	941-2213	MOUNT, VALVE	1	
9	941-4501	WASHER, WEAR 3/4"	1	

Not Shown:

Footnotes:

Notes:

Joystick to Pivot Mount—Track Unit HG1200



Joystick to Pivot Mount—Track Unit
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	4	
2	04FW-SAE	WASHER, 1/4"	4	
3	04TLN	NUT, 1/4-20 TOP LOCK	4	
4	941-4785	JOYSTICK, TRACK DRIVE	1	

Not Shown:

Footnotes:

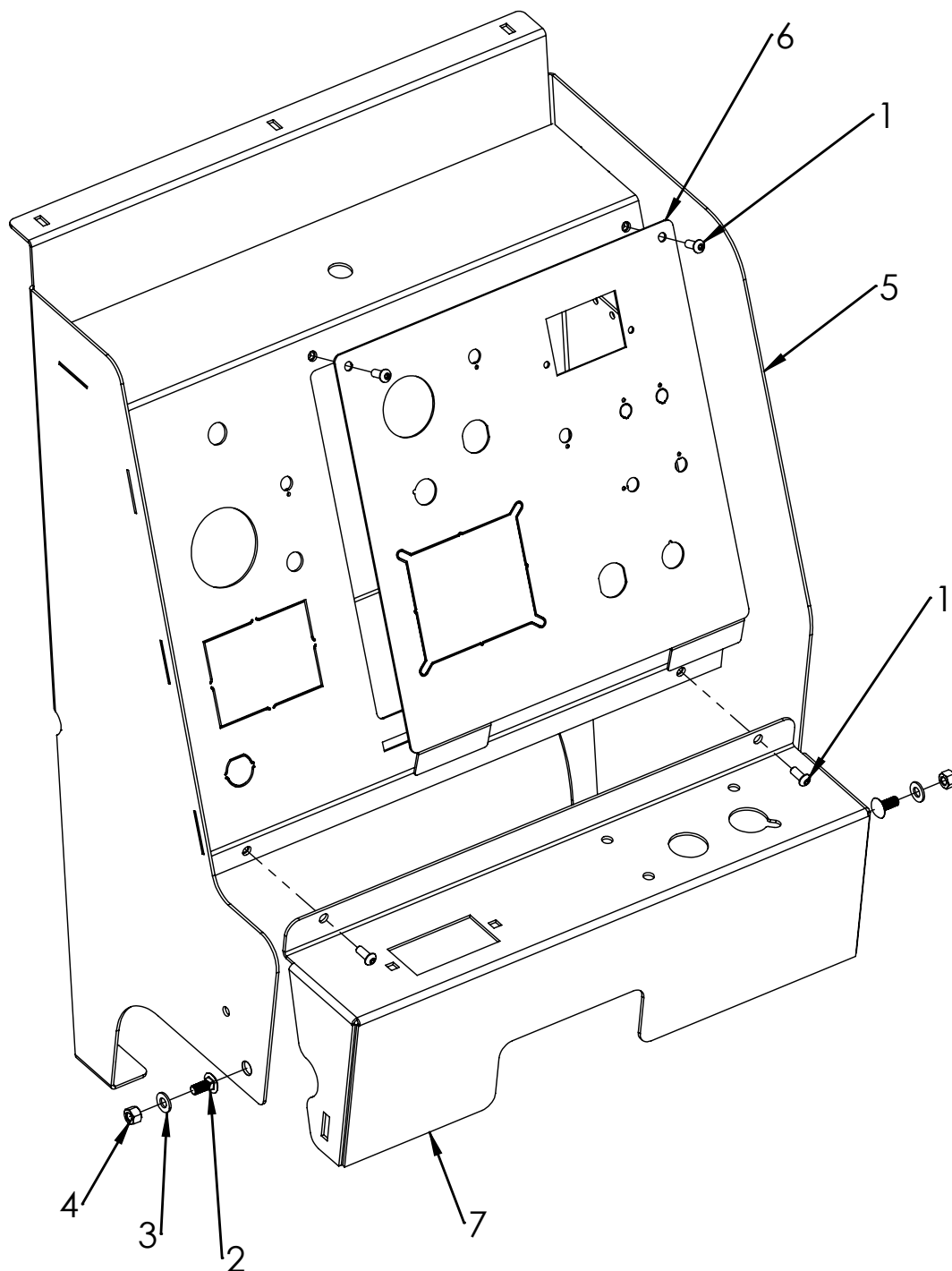
Notes:

Notes

CONTROL COMPONENTS

Control Panel Assembly

HG1200



Control Panel Assembly

HG1200

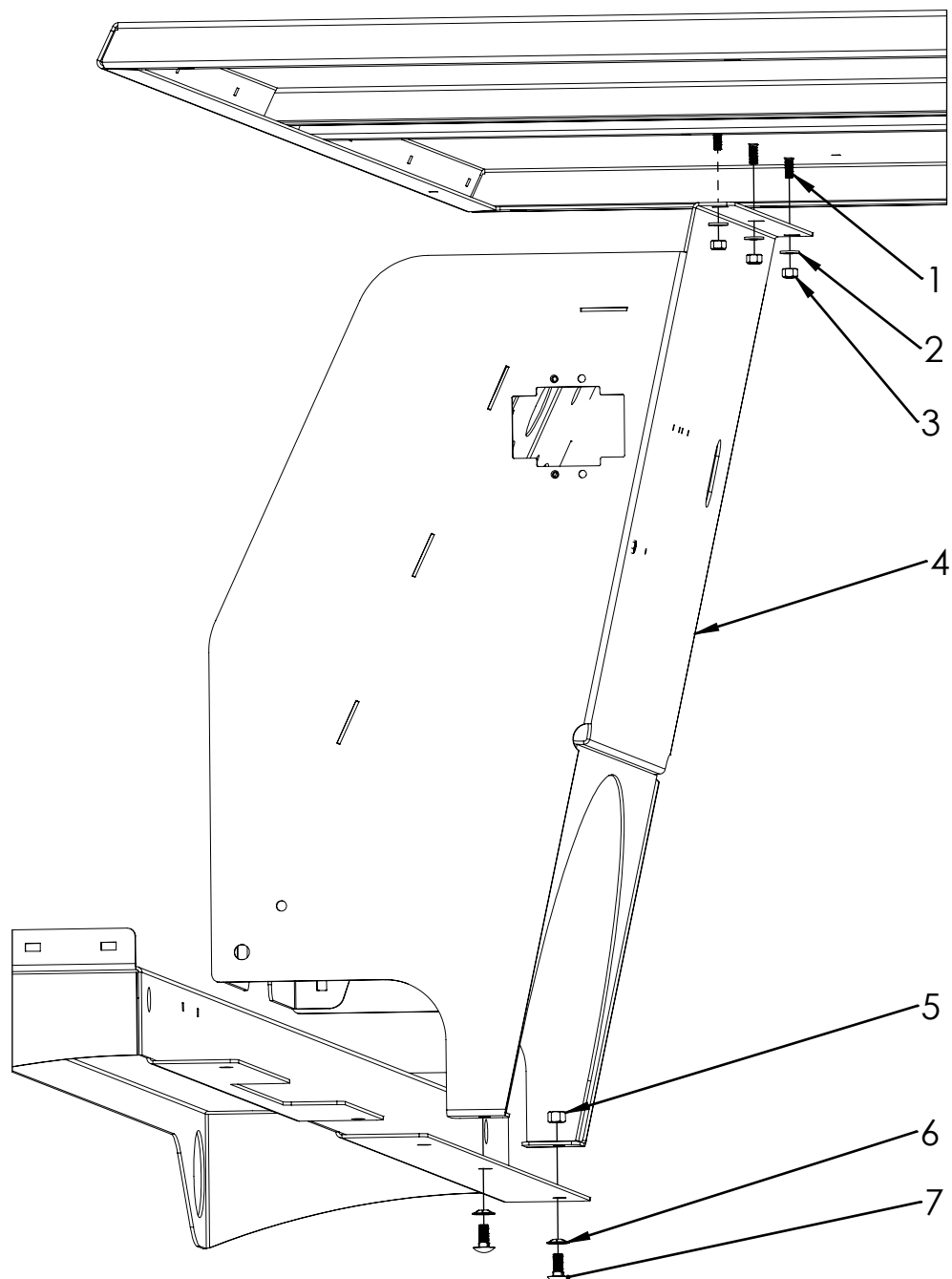
Bom ID	Part No	Description	Qty	Remarks
1	04BH10	SCREW, 1/4-20x0.625 BHSC	4	
2	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	2	
3	05FW-SAE	WASHER, 5/16"	2	
4	05TLN	NUT, 5/16-18 TOP LOCK	2	
5	912-6270	CONTROL PANEL WELDMENT	1	
6	912-6274	CONTROL PANEL, FACE	1	
7	912-6268	CONTROL PANEL, LOWER	1	

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Footnotes:

Notes:

Control Panel Base HG1200



Control Panel Base

HG1200

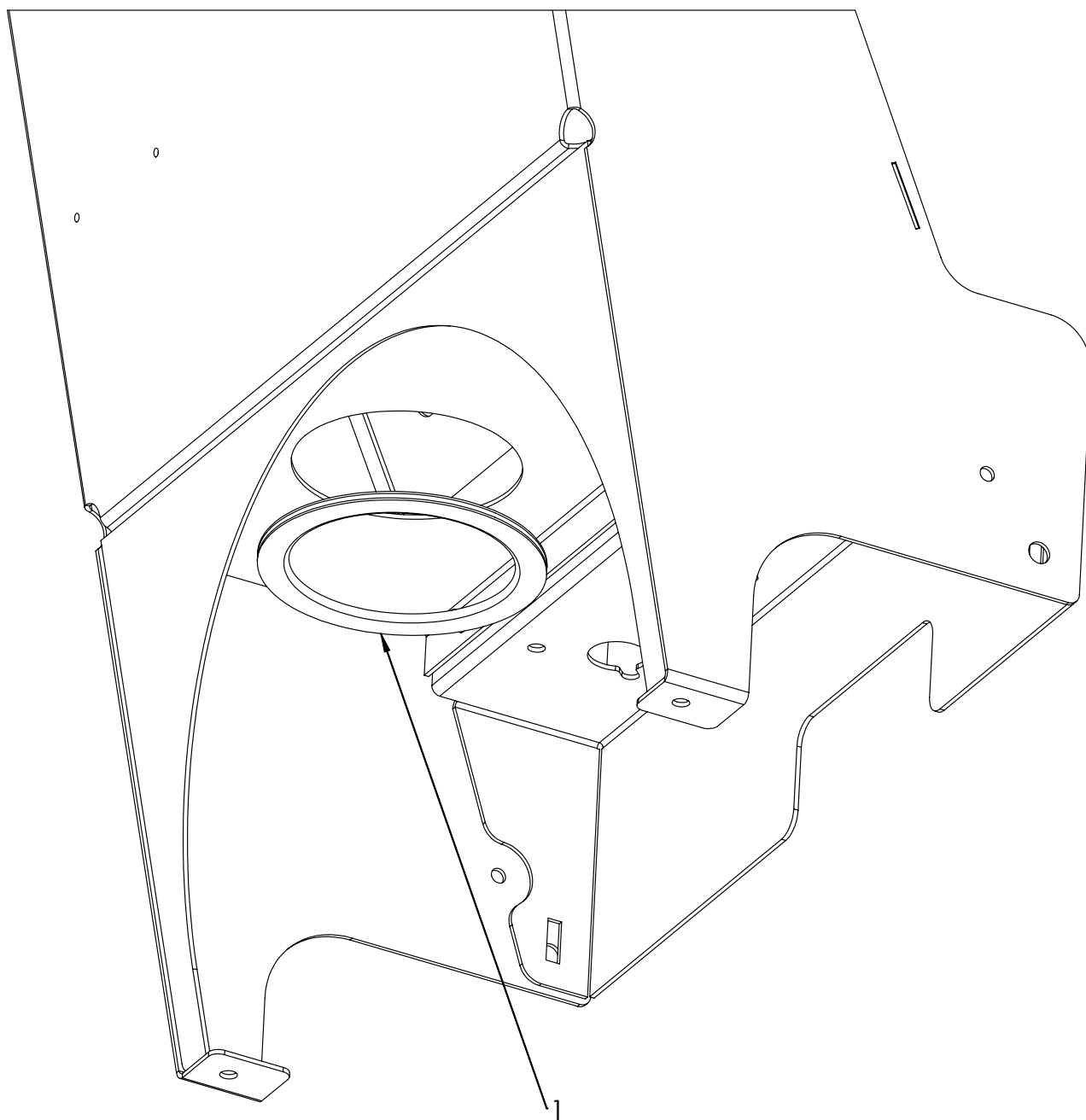
Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	3	
2	04FW-SAE	WASHER, 1/4"	3	
3	04TLN	NUT, 1/4-20 TOP LOCK	3	
4	912-6270	CONTROL PANEL WELDMENT	1	
5	05TLN	NUT, 5/16-18 TOP LOCK	2	
6	941-5303	PUSH NUT, RETAINER 5/16"	2	
7	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	2	

Not Shown:

Footnotes:

Notes:

Control Panel Cushion HG1200



Control Panel Cushion
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-5258	TRIM SEAL, 1.0 FT LONG	1	

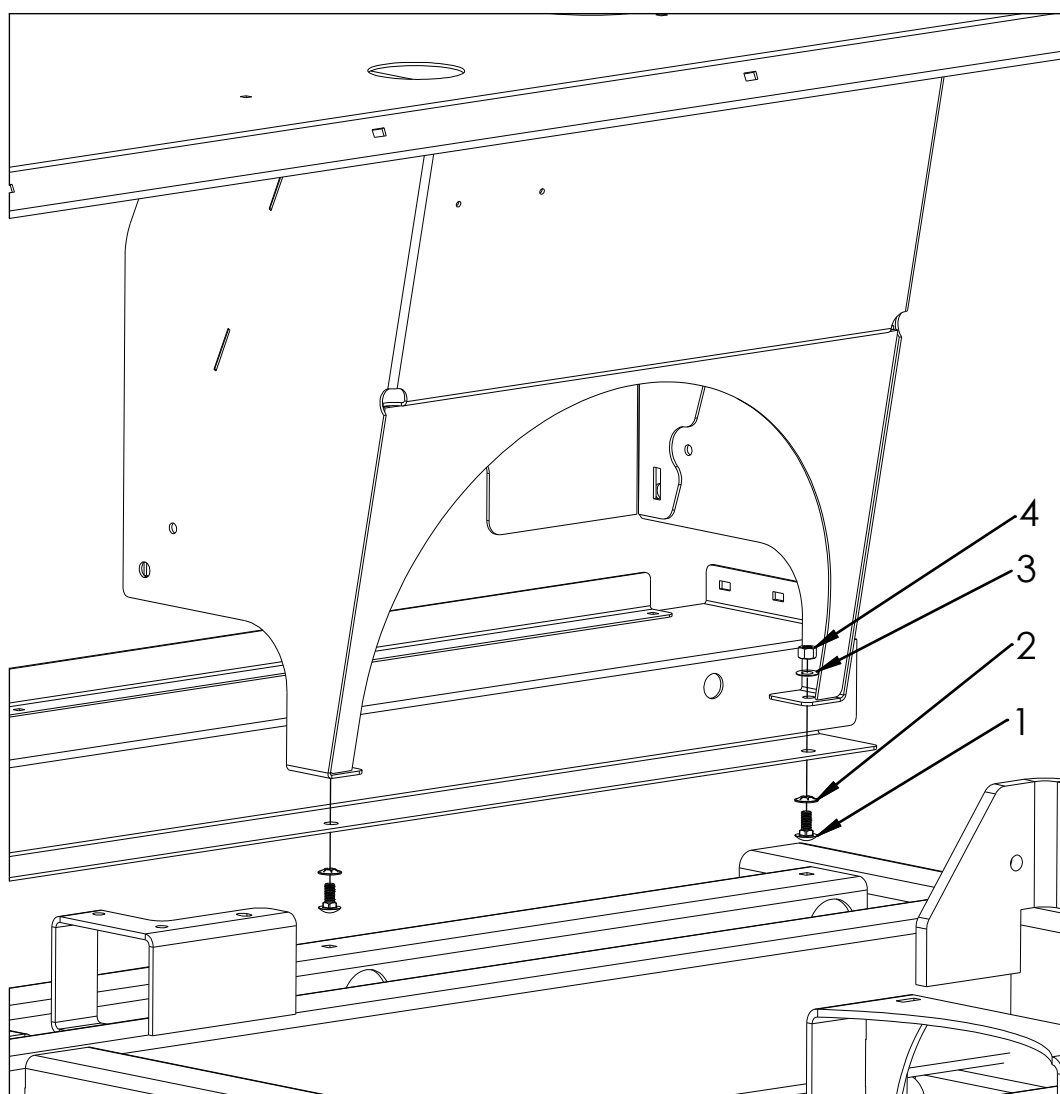
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Footnotes:

Notes:

Control Panel to Frame

HG1200



Control Panel to Frame
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	2	
2	941-5303	PUSH NUT, RETAINER 5/16"	2	
3	05FW-SAE	FLAT WASHER, 5/16"	2	
4	05TLN	NUT, 5/16-18 TOP LOCK	2	

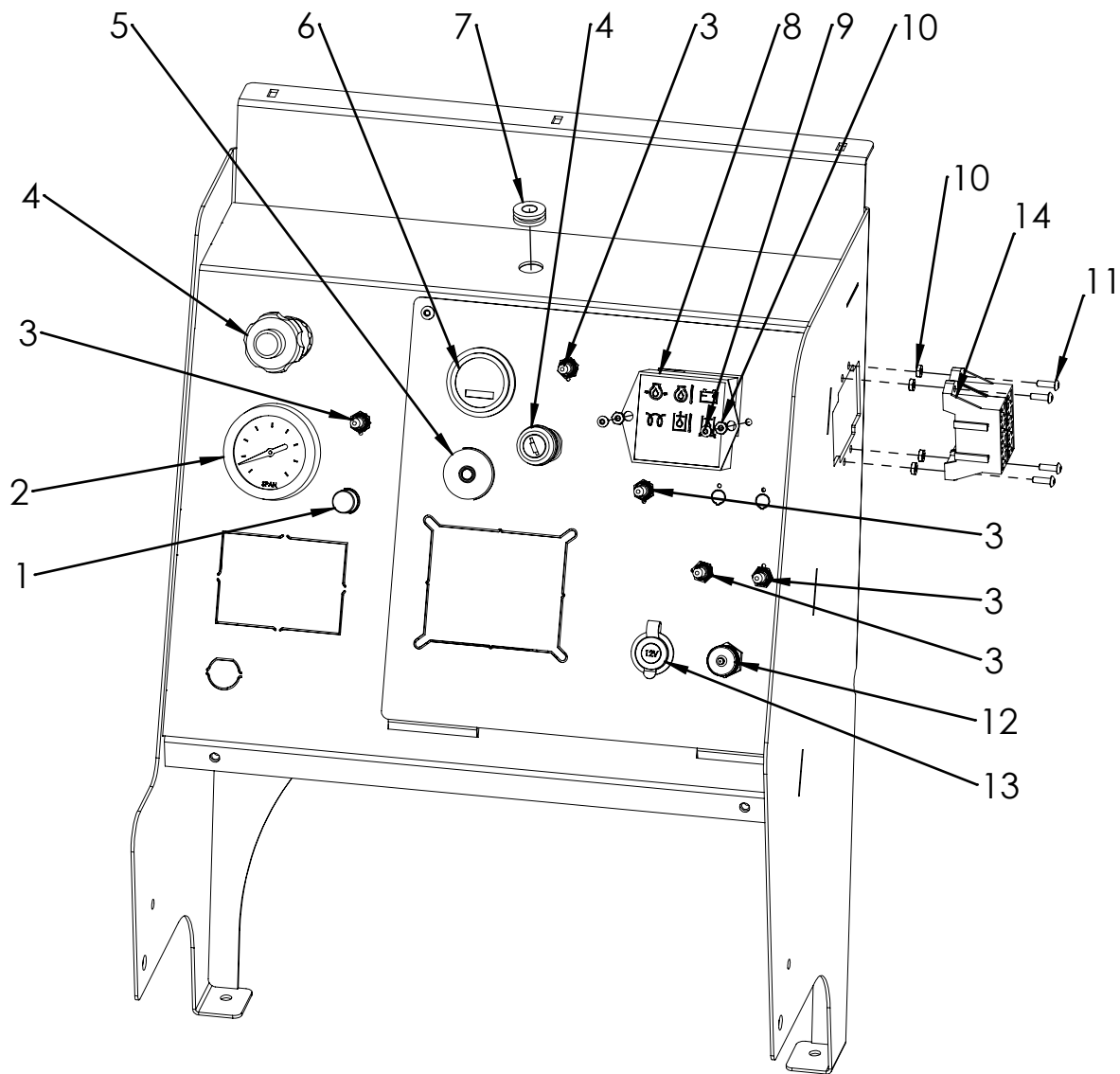
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Footnotes:

Notes:

Control Panel—Electrical

HG1200



Control Panel—Electrical

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-3084	BOOT, SWITCH	1	
2	912-6203	GAUGE, PRESSURE-5000 PSI	1	
3	912-3618	TOGGLE BOOT	5	
4	912-6150	ENGINE, D1105	1	
5	912-4063	SWITCH, STARTER	1	
6	912-3607	HOUR METER	1	
7	913-0068	GROMMET, RUBBER	1	
8	912-3609	MODULE -WARNING LIGHT	1	
9	#10BH08	SCREW, #10-24x0.5 BHSC	2	
10	#10TLN	NUT, #10-24 TOP LOCK	8	
11	#10BH10	SCREW, #10-24x0.625 BHSC	4	
12	912-6292	CAP, RECEPTACLE	1	
13	912-0939	RECEPTACLE 12VDC	1	
14	912-4165	HARNESS, HG12 WIRE	1	

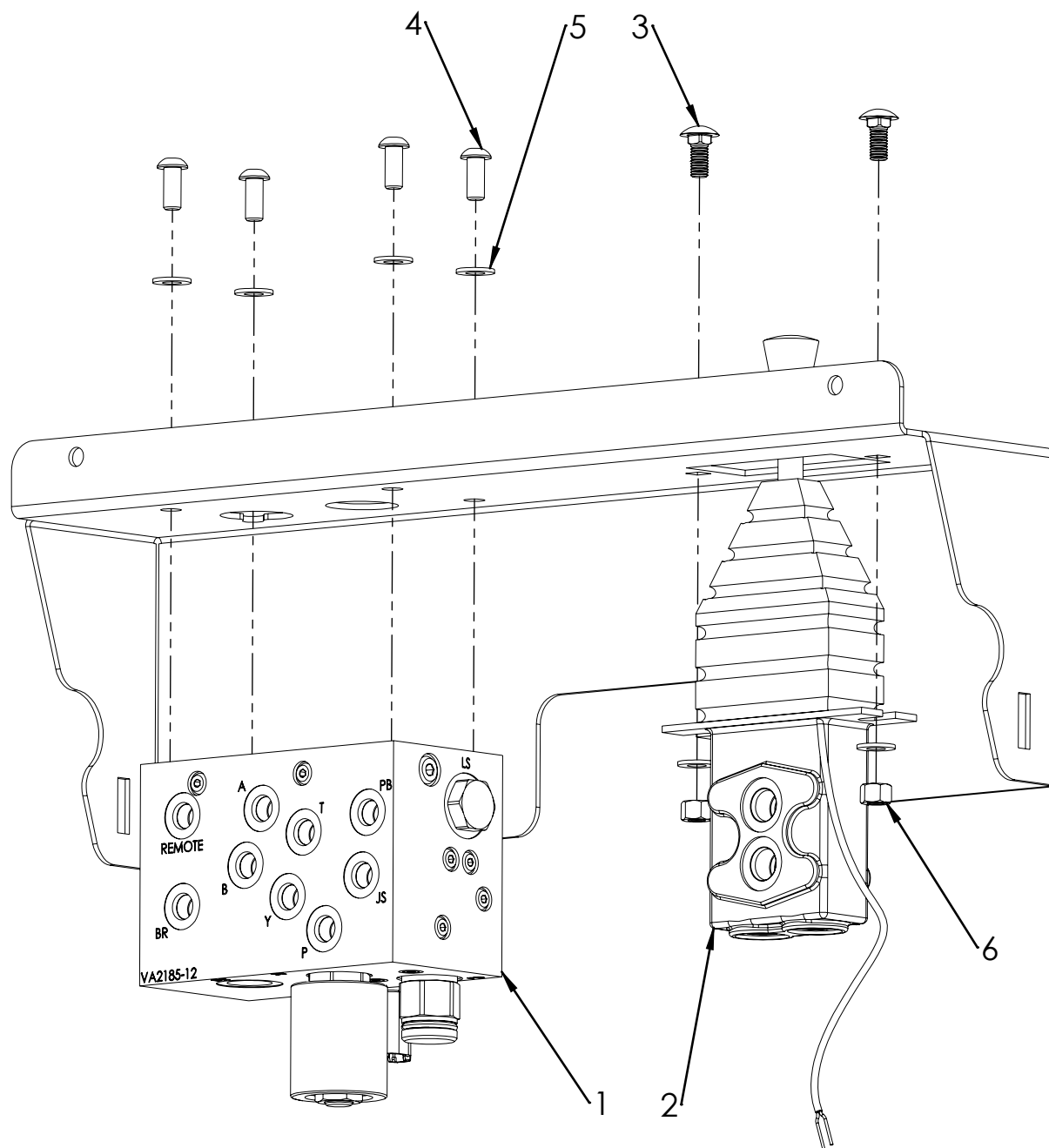
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Footnotes:

Notes:

Control Panel—Hydraulics

HG1200



Control Panel—Hydraulics

HG1200

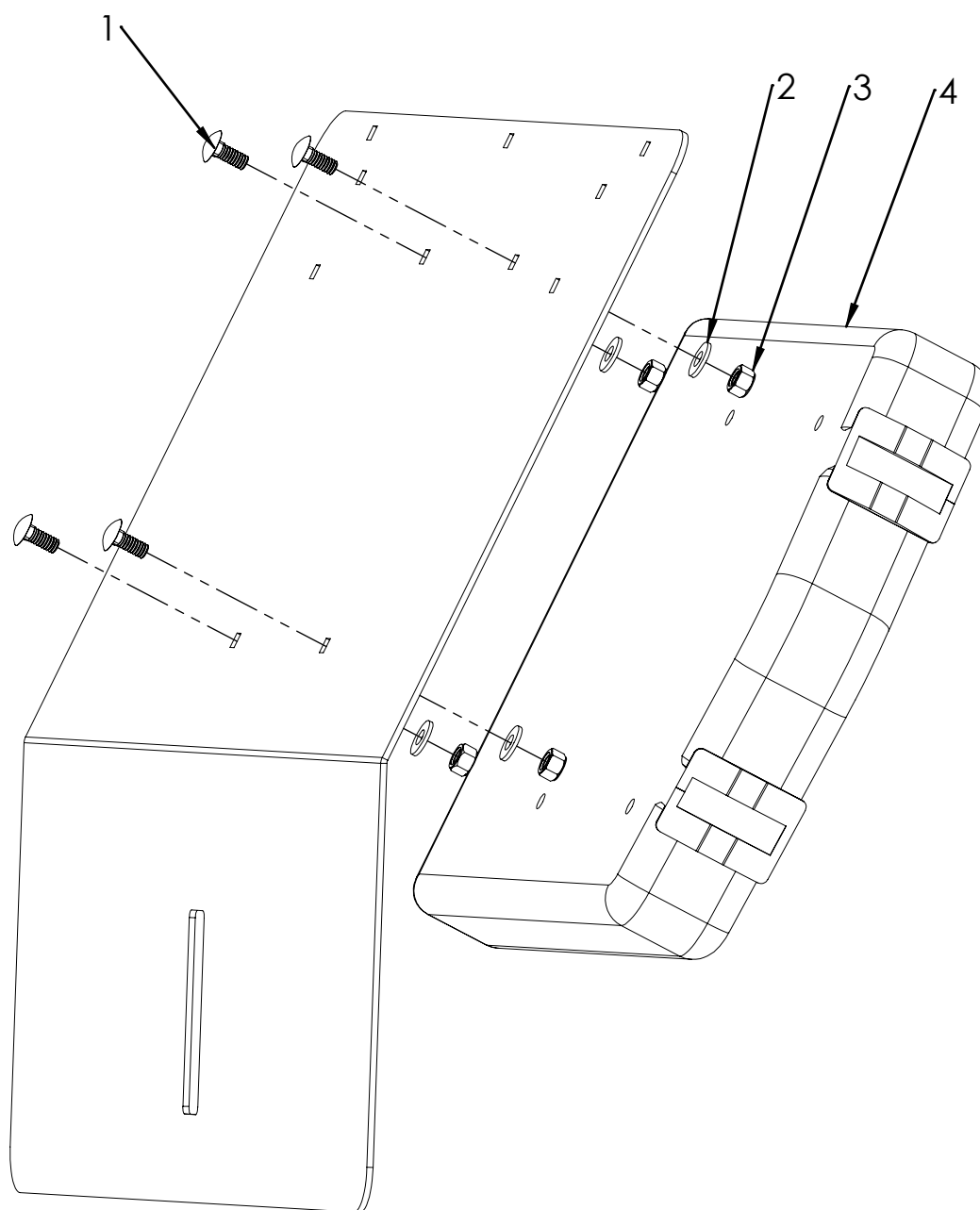
Bom ID	Part No	Description	Qty	Remarks
1	941-4753	MANIFOLD, HG3 CONTROL	1	
2	912-6290	JOYSTICK ASSEMBLY	1	
3	05CB12	BOLT, 5/16-18 x .75 CARRIAGE	2	
4	05BH12	SCREW, 5/16-18x0.75 BHSC	4	
5	05FW-SAE	WASHER, 5/16"	4	
6	05TLN	NUT, 5/16-18 TOP LOCK	2	

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Footnotes:

Notes:

Manual Box HG1200



Manual Box
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04CB10	BOLT, 1/4-20 x .625 CARRIAGE	4	
2	04FW-SAE	WASHER, 1/4"	4	
3	04TLN	NUT, 1/4-20 TOP LOCK	4	
4	318-588	MANUAL COMPARTMENT	1	

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Footnotes:

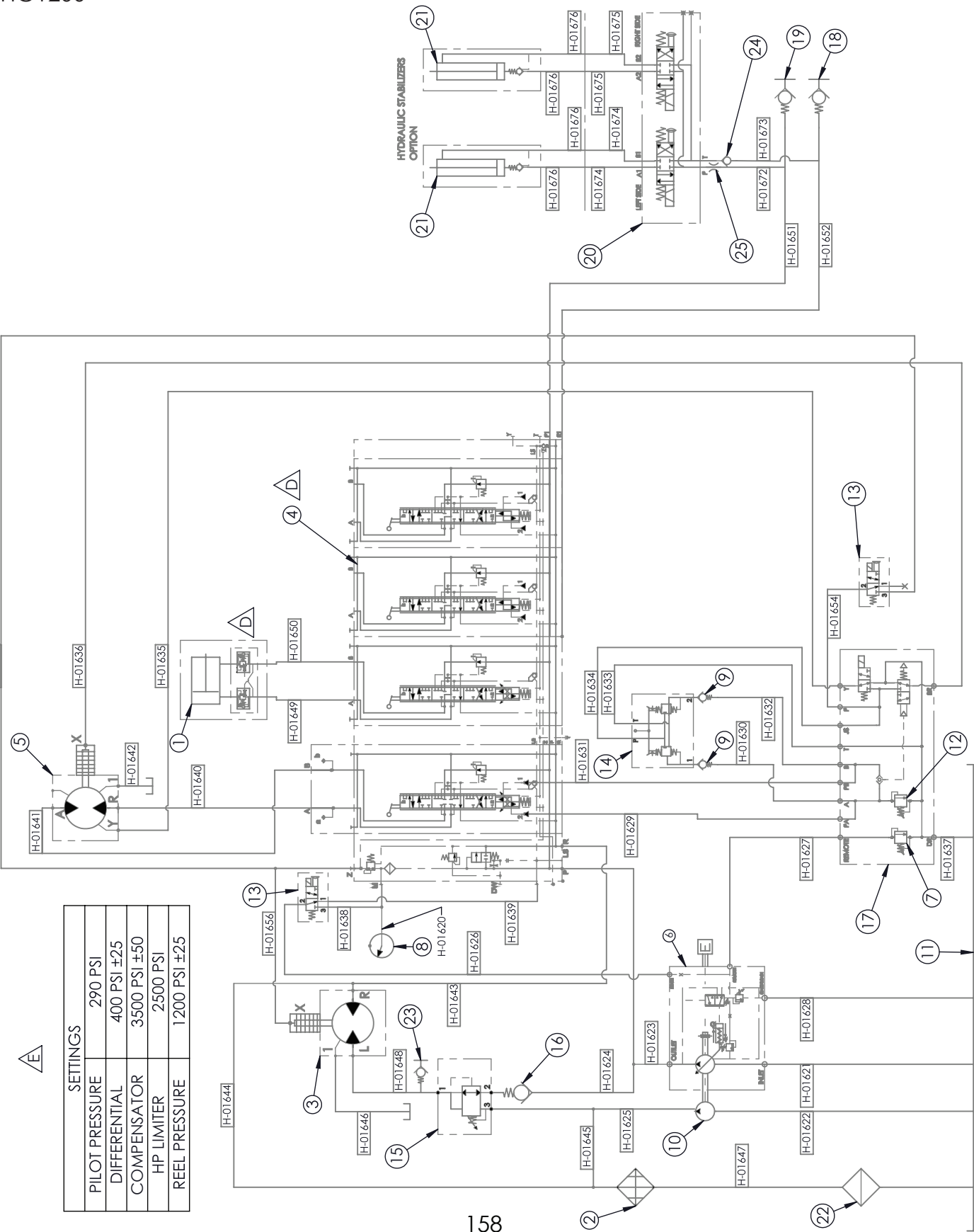
Notes:

Notes

HYDRAULICS

Hydraulic Schematic

HG1200



Hydraulic Schematic

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6308	CYLINDER, 2.00 X 12.00	1	
2	912-5076	HYDRAULIC COOLER	1	
3	912-6191	MOTOR, RADIAL PISTON -15.6 CID W /BRAKE	1	
4	912-6193	VALVE, HAWE, TRACK	1	
5	912-6194	MOTOR, CAPSTAN	1	
6	912-6201	PUMP, HYDRAULIC - THRU DRIVE	1	
7	941-4724	VALVE, RELIEF	1	
8	912-6203	GAUGE, PRESSURE -5000 PSI	1	
9	912-6206	CHECK VALVE, INLINE -06	2	
10	941-4698	PUMP, GEAR, EATON	1	
11	941-4720	OIL TANK ASSEMBLY	1	
12	941-47310	VALVE, RELIEF	1	
13	941-4736	VALVE, 2 POS. 3-WAY	2	
14	912-6290	JOYSTICK ASSEMBLY	1	
15	912-6555	VALVE, REDUCING / RELIEVING	1	
16	941-4747	VALVE, IN-LINE-CHECK -08	1	
17	941-4753	MANIFOLD, HG3 CONTROL	1	
18	912-3038	NIPPLE, 1/2" 10 SAE FEMALE	1	
19	912-3039	COUPLING, 1/2", 10 SAE FEMALE	1	
20	912-6198	VALVE, DOWN RIGGERS	1	
21	912-6217	HYDRAULIC STABILIZER	2	
22	941-4758	FILTER, ELEMENT	1	
23	926-7504	TEST PORT COUPLING	1	
24	941-7427	VALVE, CHECK, INLINE	1	
25	941-7601	ORIFICE, 4MO X 4FO X .078	1	

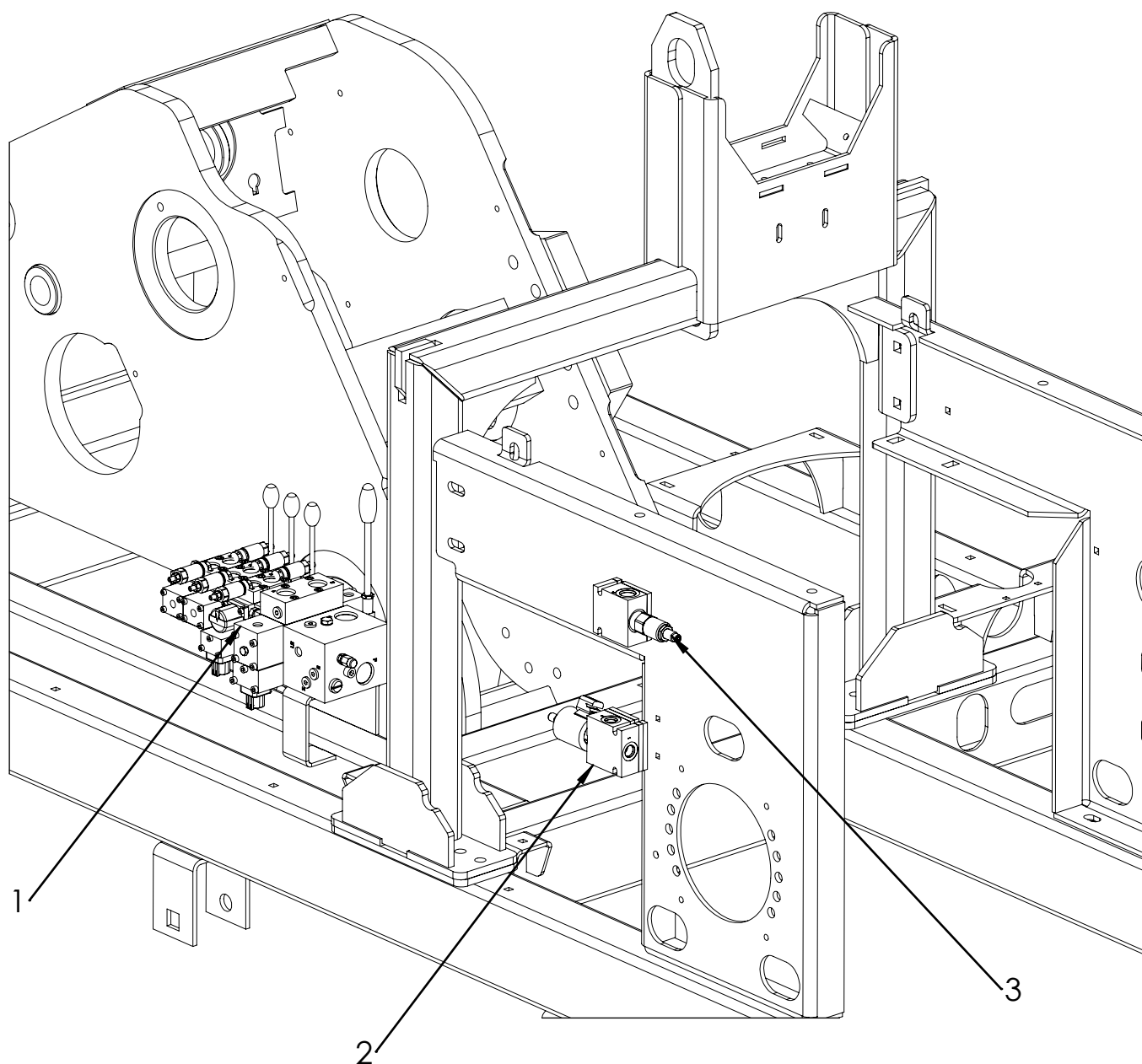
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Footnotes:

Notes:

Hydraulic Valve Locations

HG1200



Hydraulic Valve Location
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4736	VALVE, 2 POS. 3-WAY	1	
2	912-6555	VALVE, REDUCING, RELIEVING	1	
3	912-6193	VALVE, HAWE - TRACK	1	

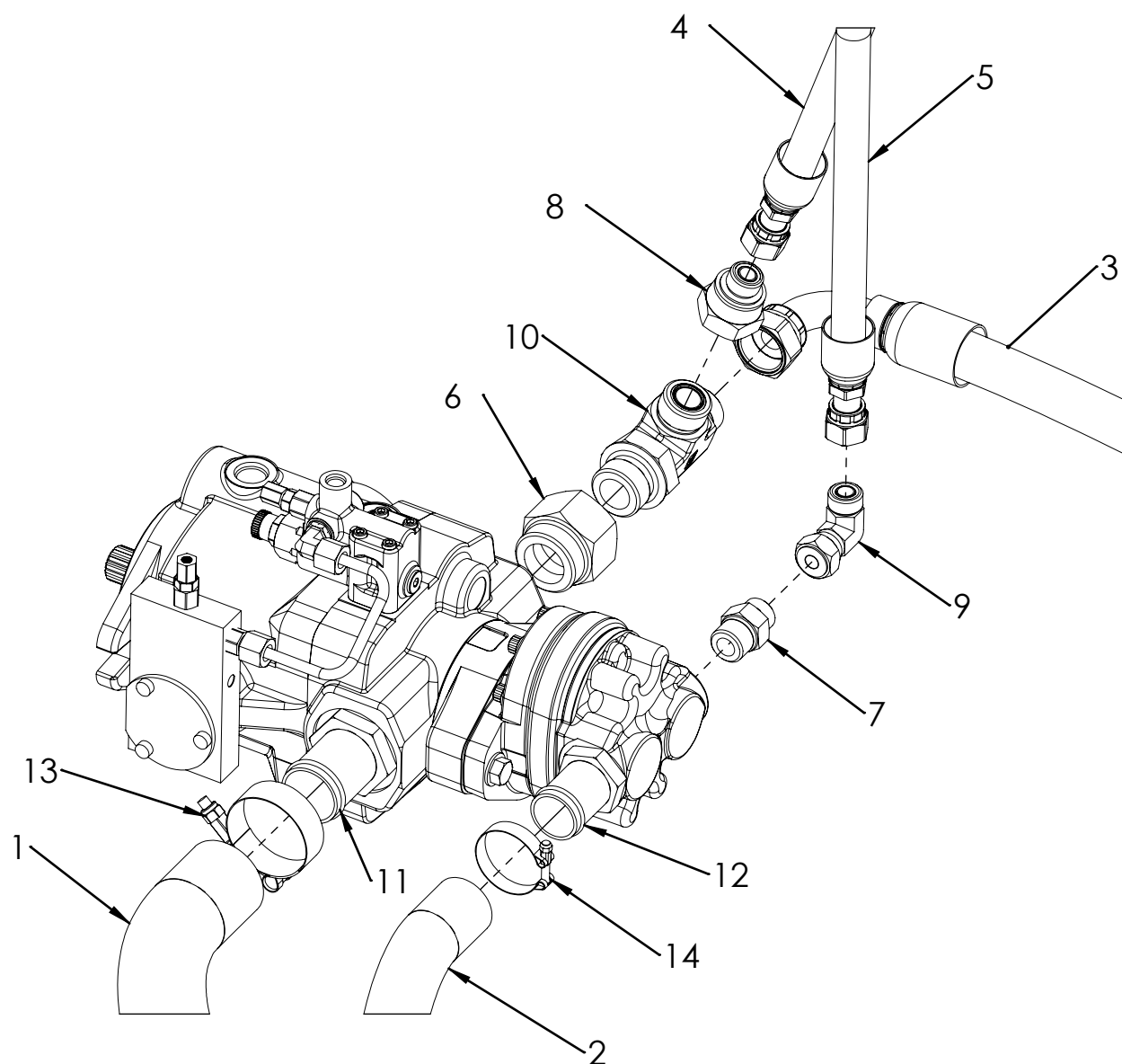
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Notes:

Hydraulic Pump Connections

HG1200



Hydraulic Pump Connections

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01621	HOSE, 1-1/2" X 34"	1	
2	H-01622	HOSE, 1-1/4" X 25.5"	1	
3	H-01623	HOSE, 12FO-12FO90S X 40.5"	1	
4	H-01624	HOSE, 8FO-8FO90S X 67.5"	1	
5	H-01625	HOSE, 8FO-8FO X 56"	1	
6	926-3822	ADAPTER, 20MB X 16FB	1	
7	926-2224	ADAPTER, 8MO X 10MB	1	
8	926-3408	ADAPTER, 12FO X 8MO	1	
9	926-5702	ELBOW, 8MO X 8FO 90°	1	
10	926-3911	TEE, 12MO X 16MB X 12 MO RUN	1	
11	4604-24X20	ADAPTER, 24HS X 20MB	1	
12	4604-20X16	ADAPTER, 20HS X 16MB	1	
13	912-6208	CLAMP, T-BOLT 1.88" HOSE"	1	
14	913-0046	CLAMP, T-BOLT	1	

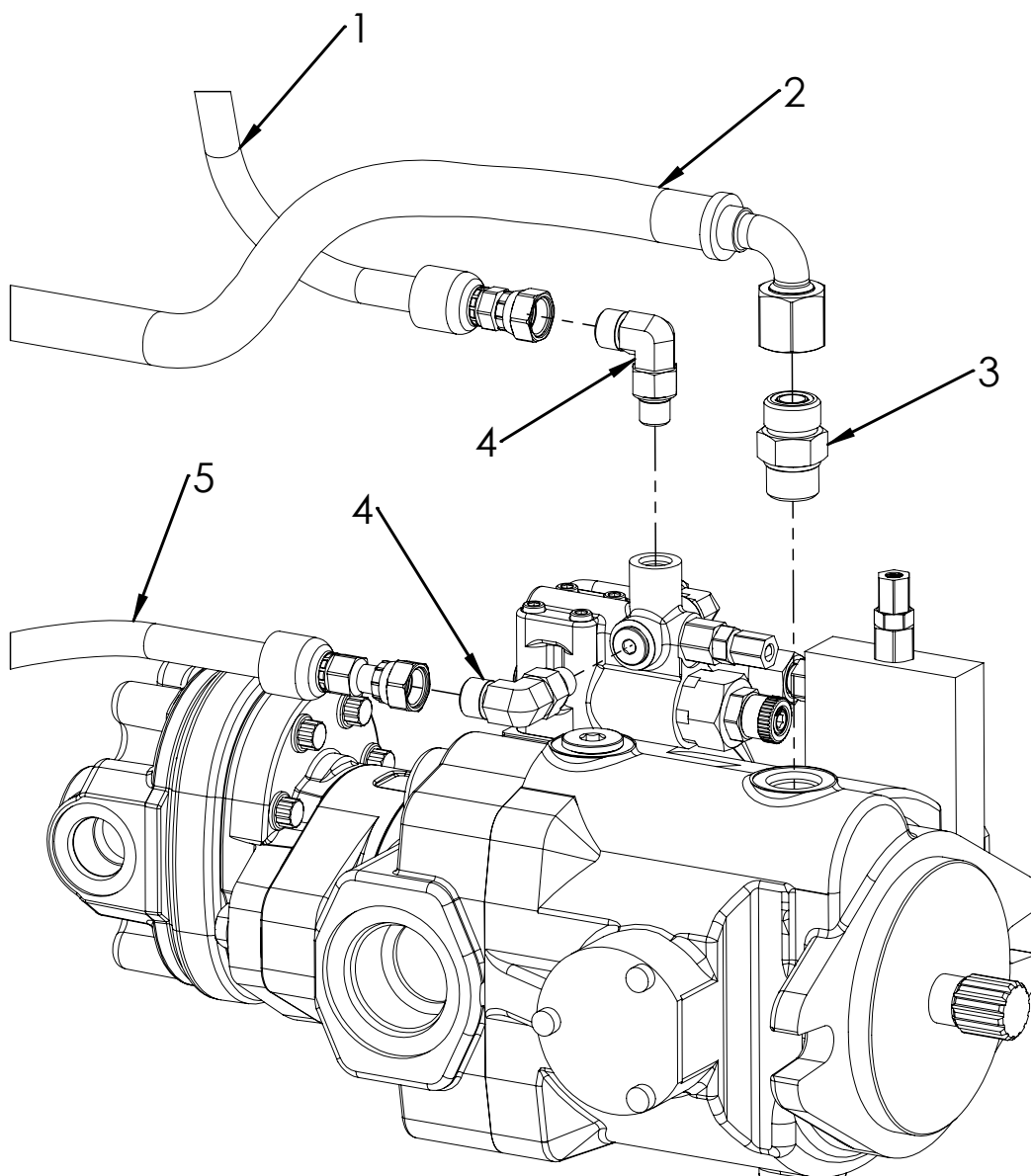
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Footnotes:

Notes:

Hydraulic Pump Connections

HG1200



Hydraulic Pump Connections
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01626	HOSE, 4FOS-4FO90S X 74"	1	
2	H-01628	HOSE, 8FOS-8FO90S X 14.5"	1	
3	926-2206	ADAPTER, 8MO X 8MB	1	
4	926-2300	ELBOW, 4MO X 4MB 90°	2	
5	H-01627	HOSE, 4FOS-4FO90S X 87"	1	

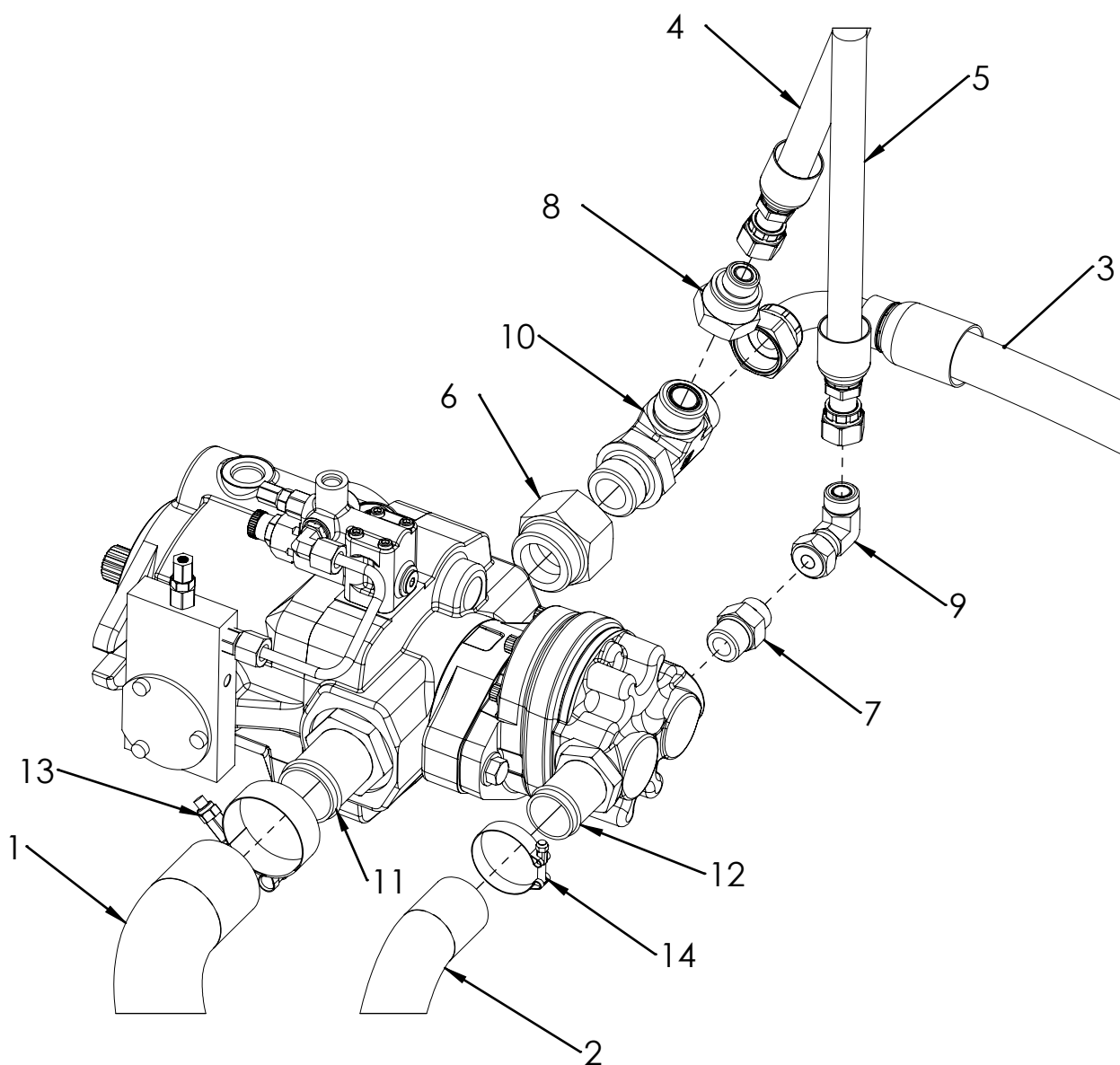
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Footnotes:

Notes:

Hydraulic Pump Connections

HG1200



Hydraulic Pump Connections

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01621	HOSE, 1-1/2" X 34"	1	
2	H-01622	HOSE, 1-1/4" X 25.5"	1	
3	H-01623	HOSE, 12FO-12FO90S X 40.5"	1	
4	H-01624	HOSE, 8FO-8FO90S X 67.5"	1	
5	H-01625	HOSE, 8FO-8FO X 56"	1	
6	926-3822	ADAPTER, 20MB X 16FB	1	
7	926-2224	ADAPTER, 8MO X 10MB	1	
8	926-3408	ADAPTER, 12FO X 8MO	1	
9	926-5702	ELBOW, 8MO X 8FO 90°	1	
10	926-3911	TEE, 12MO X 16MB X 12 MO	1	
11	4604-24X20	ADAPTER, 24HS X 20MB	1	
12	4604-20X16	ADAPTER, 20HS X 16MB	1	
13	912-6208	CLAMP, T-BOLT 1.88" HOSE"	1	
14	913-0046	CLAMP, T-BOLT	1	

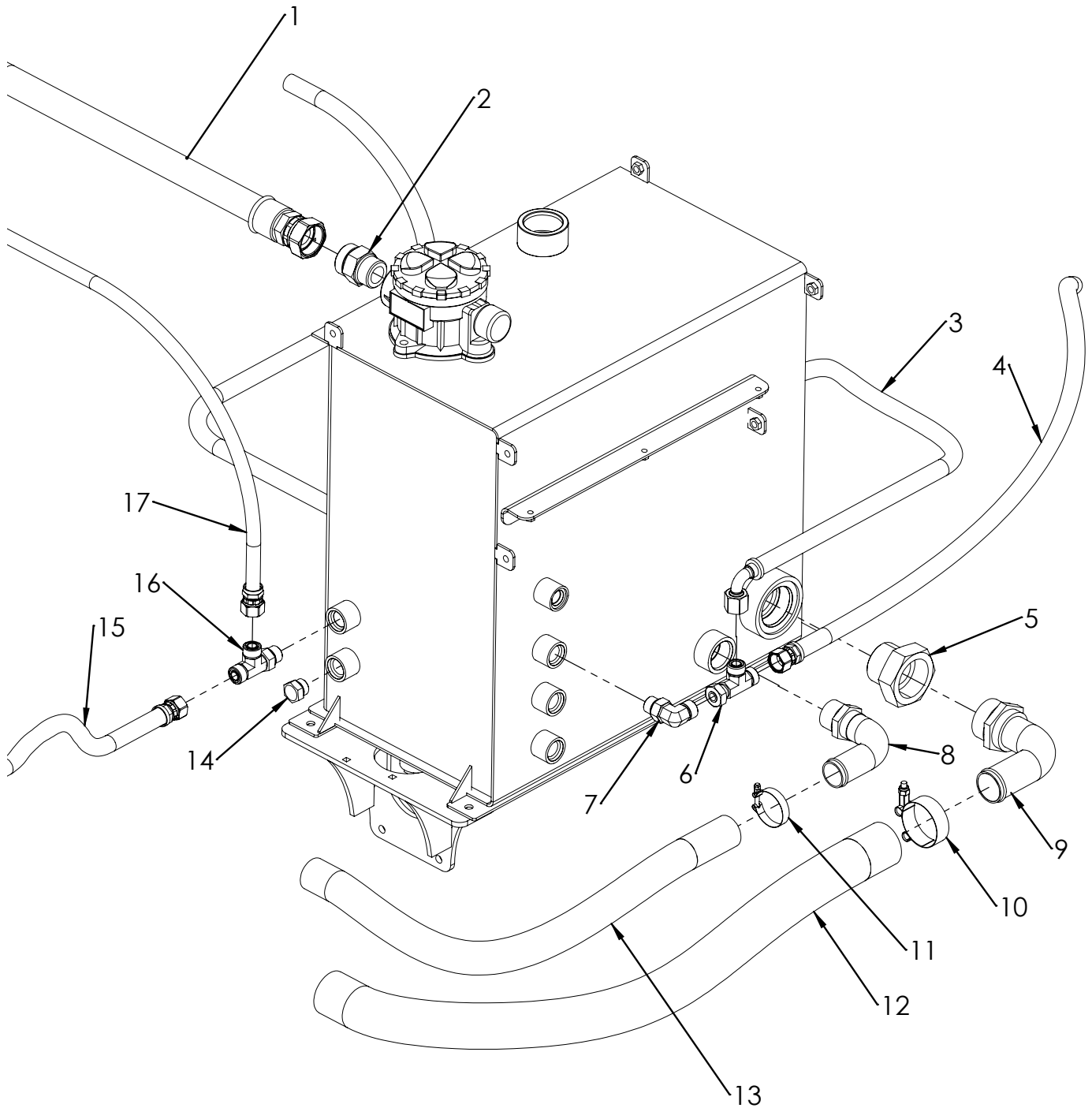
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Footnotes:

Notes:

Hydraulic Tank Connections

HG1200



Hydraulic Tank Connections

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01647	HOSE, 16FOS-16FO90S X 93"	1	
2	926-2216	ADAPTER, 16MO X 16MB	1	
3	H-01637	HOSE, 8FO90S-8FO90S X 96"	1	
4	H-01642	HOSE, 8FOS-8FO90S X 30"	1	
5	912-6207	REDUCER, 24MB X 24MB	1	
6	926-3481	TEE, 8MO X 8FO X 8MO RUN	1	
7	926-2307	ELBOW, 8MO X 8MB 90°	1	
8	926-6507	ELBOW, 16MB X 20HS 90°	1	
9	926-6510	ELBOW, 24MB X 24HS 90°	1	
10	912-6208	CLAMP, T-BOLT 1.88" HOSE"	1	
11	913-0046	CLAMP, T-BOLT	1	
12	H-01621	HOSE, 1-1/2" X 34"	1	
13	H-01622	HOSE, 1-1/4" X 25.5"	1	
14	926-4102	PLUG, 8MB HEX HEAD	1	
15	H-01628	HOSE, 8FOS-8FO90S X 14.5"	1	
16	926-3904	TEE, 8MO X 8MB X 8MO RUN	1	
17	H-01646	HOSE, 8FOS-6FO90S X 78.5"	1	

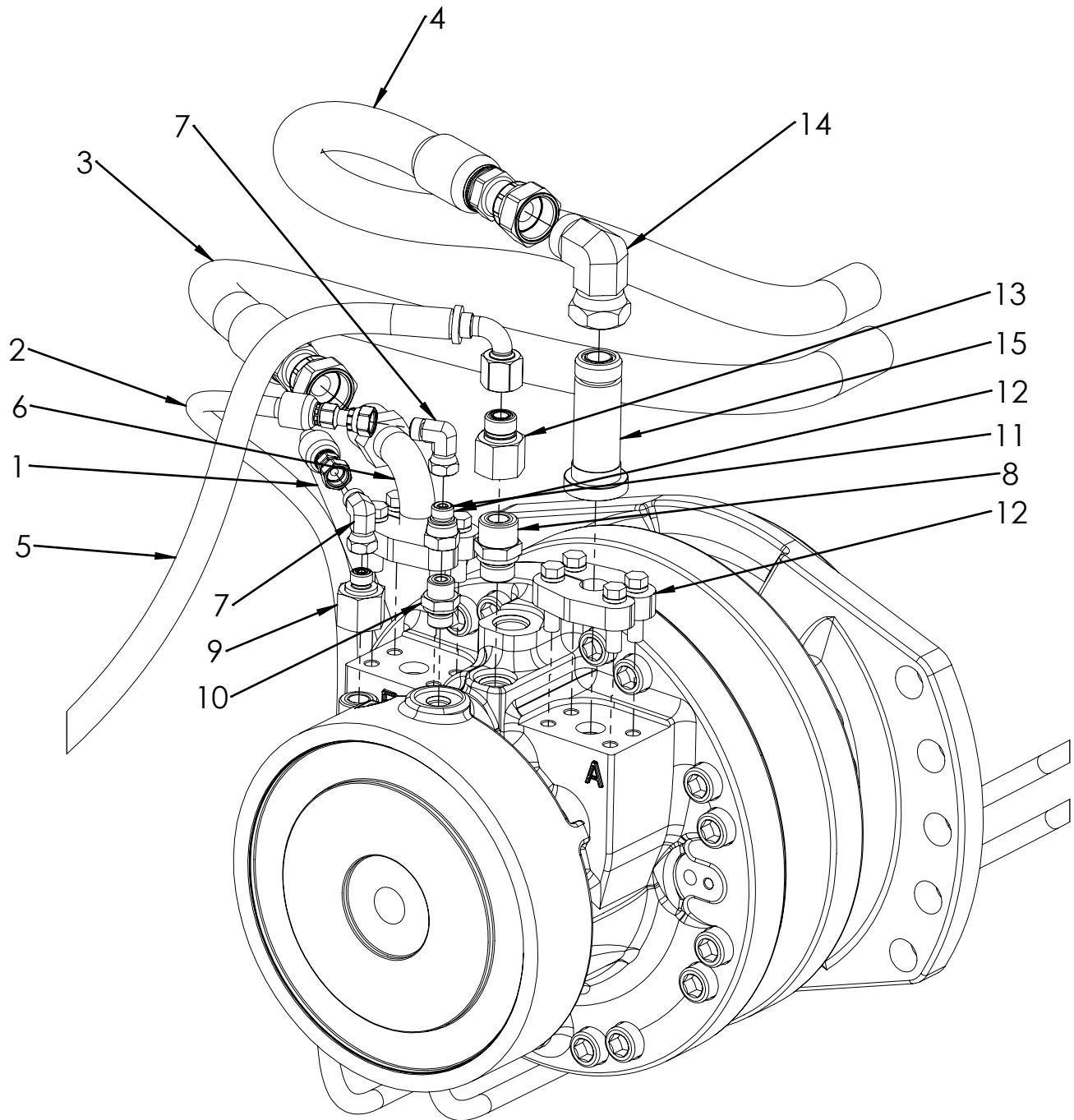
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Footnotes:

Notes:

Capstan Motor Hydraulics

HG1200



Capstan Motor Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01635	HOSE, 4FO-4FO90S X 87"	1	
2	H-01636	HOSE, 4FOS-4FO X 88"	1	
3	H-01640	HOSE, 12FO-12FO90L X 40"	1	
4	H-01641	HOSE, 12FO-12FO90S X 41"	1	
5	H-01642	HOSE, 8FOS-8FO90S X 30"	1	
6	926-7119	FLANGE ELBOW, CODE 62 X MO	1	
7	926-5700	ELBOW, 4MO X 4FO 90°	2	
8	926-7118	ADAPTER, 10MO X 22EDM	2	
9	926-3403	ADAPTER, 10FO X 4MO	1	
10	926-7117	ADAPTER, 6MO X 16EDM	1	
11	926-3400	ADAPTER, 6FO X 4 MO	1	
12	926-7121	FLANGE KIT, -12 CODE 62	2	
13	926-3405	ADAPTER, 10FO X 8MO	1	
14	926-5704	ELBOW, 12MO X 12FO 90°	1	
15	926-7120	FLANGE ADAPTER, CODE 62 X MO	1	

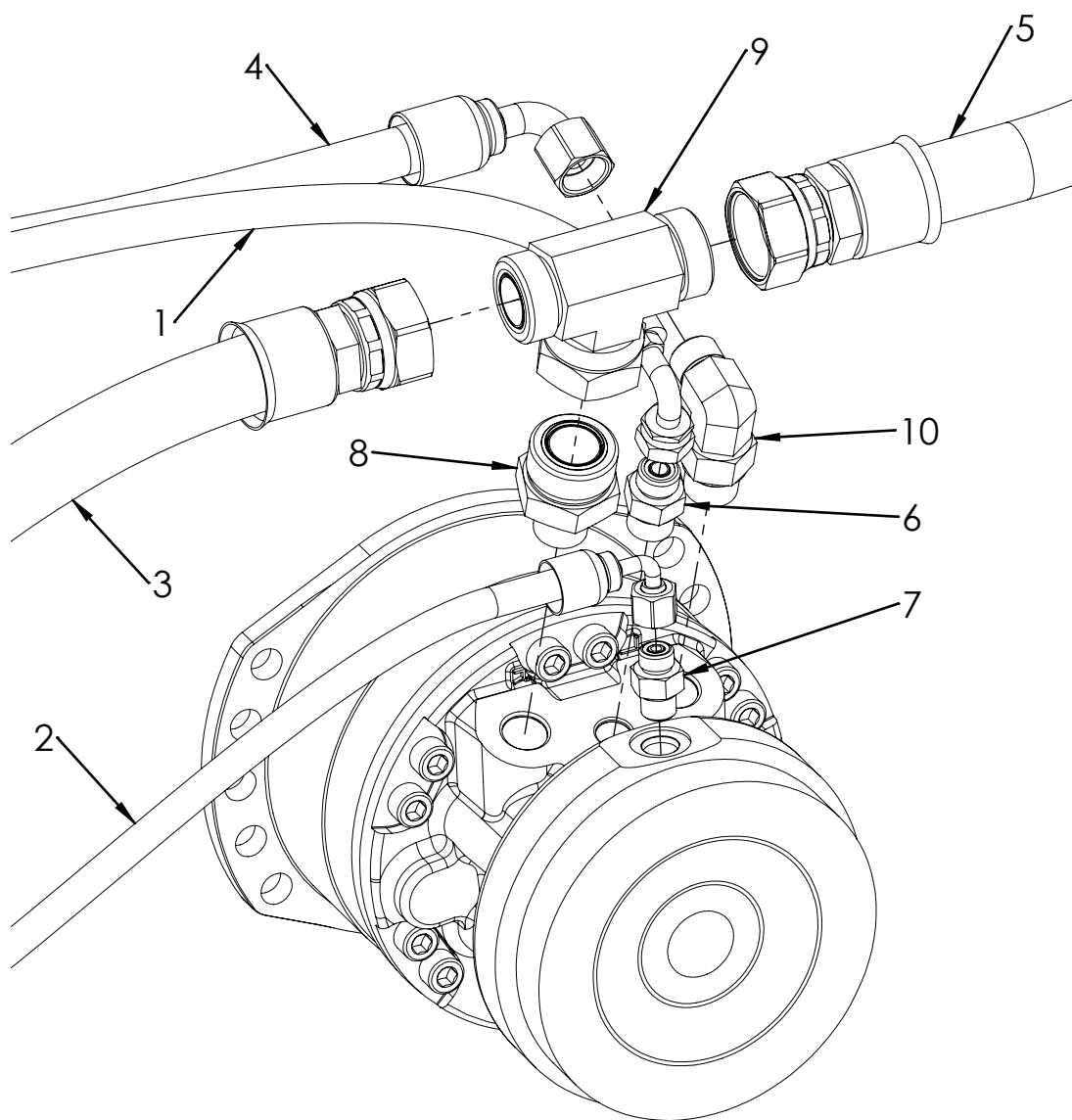
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Footnotes:

Notes:

Drum Motor Hydraulics

HG1200



Drum Motor Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01646	HOSE, 8FOS-6FO90S X 78.5"	1	
2	H-01656	HOSE, 4FOS-4FO90S X 46.5"	1	
3	H-01643	HOSE, 16FOS-16FO90S X 46"	1	
4	H-01648	HOSE, 8FO-8FO90S X 32.5"	1	
5	H-01644	HOSE, 16FOS-16FO90S X 29.5"	1	
6	926-2204	ADAPTER, 6MO X 8MB	1	
7	926-2201	ADAPTER, 4MO X 6MB	1	
8	926-2217	ADAPTER, 16MO X 10MB	1	
9	926-8305	TEE, 16MO X 16MO X 16FO BRANCH	1	
10	926-2308	ELBOW, 8MO X 10MB 90°	1	

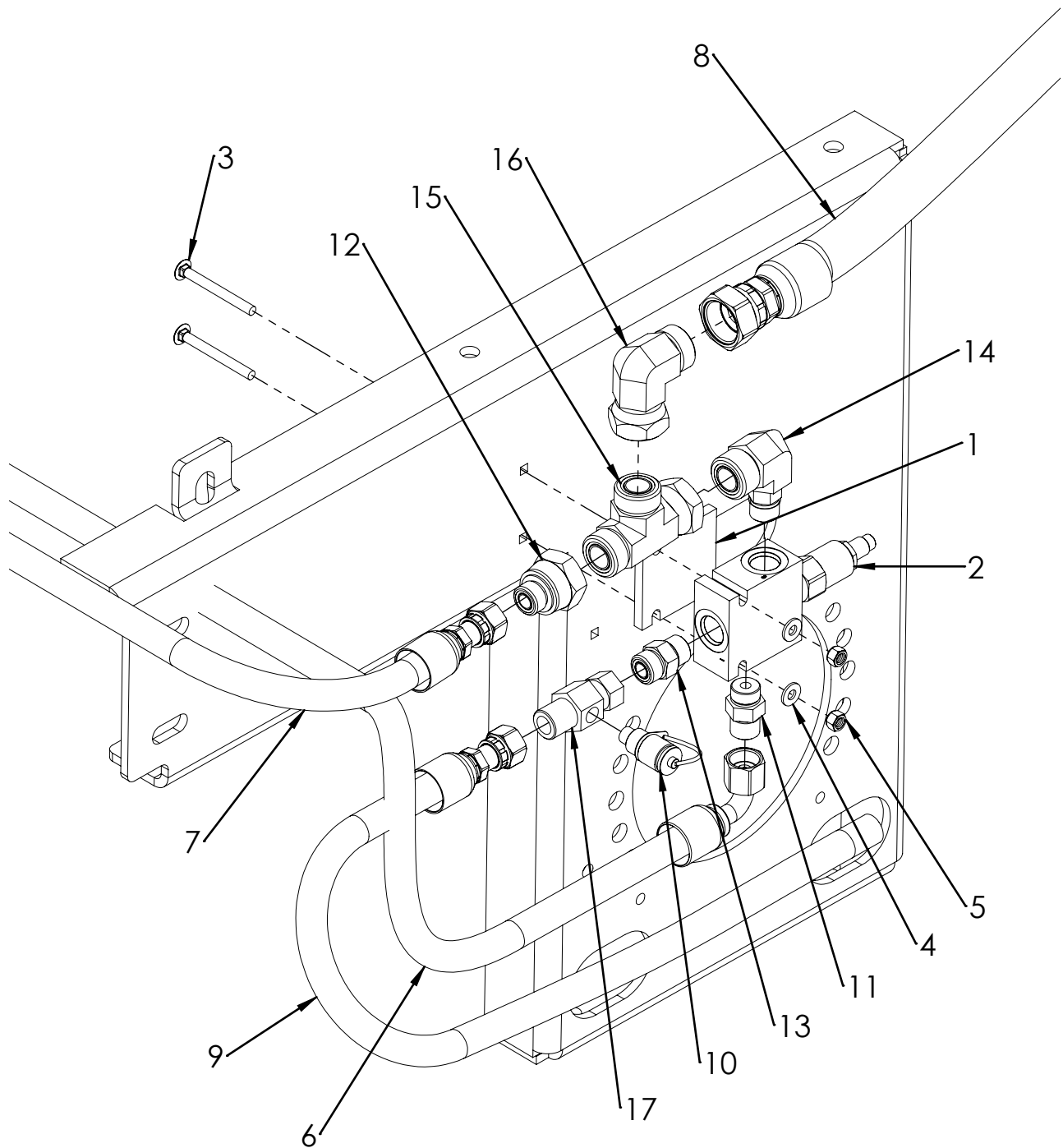
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Footnotes:

Notes:

Reduce Relief Valve Hydraulics

HG1200



Reduce Relief Valve Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4756	PLATE, SPACER	1	
2	912-6555	VALVE, REDUCING, RELIEVING	1	
3	04CB40	BOLT, 1/4-20 x 2.5 CARRIAGE	2	
4	04FW-SAE	WASHER, 1/4"	2	
5	04TLN	NUT, 1/4-20 TOP LOCK	2	
6	H-01624	HOSE, 8FO-8FO90S X 67.5"	1	
7	H-01625	HOSE, 8FO-8FO X 56"	1	
8	H-01645	HOSE, 12FO-16FO90S X 28"	1	
9	H-01648	HOSE, 8FO-8FO90S X 32.5"	1	
10	926-7504	TEST PORT COUPLING	1	
11	941-4747	VALVE, IN-LINE CHECK - 08	1	
12	926-3408	ADAPTER, 12FO X 8MO	1	
13	926-2206	ADAPTER, 8MO X 8MB	1	
14	926-2314	ELBOW, 12MO X 8MB 90°	1	
15	926-3483	TEE, 12MO X 12FO X 12MO RUN	1	
16	926-5704	ELBOW, 12MO X 12FO 90°	1	
17	926-6705	GAUGE PORT, 8MO X 8FO X 4FB	1	

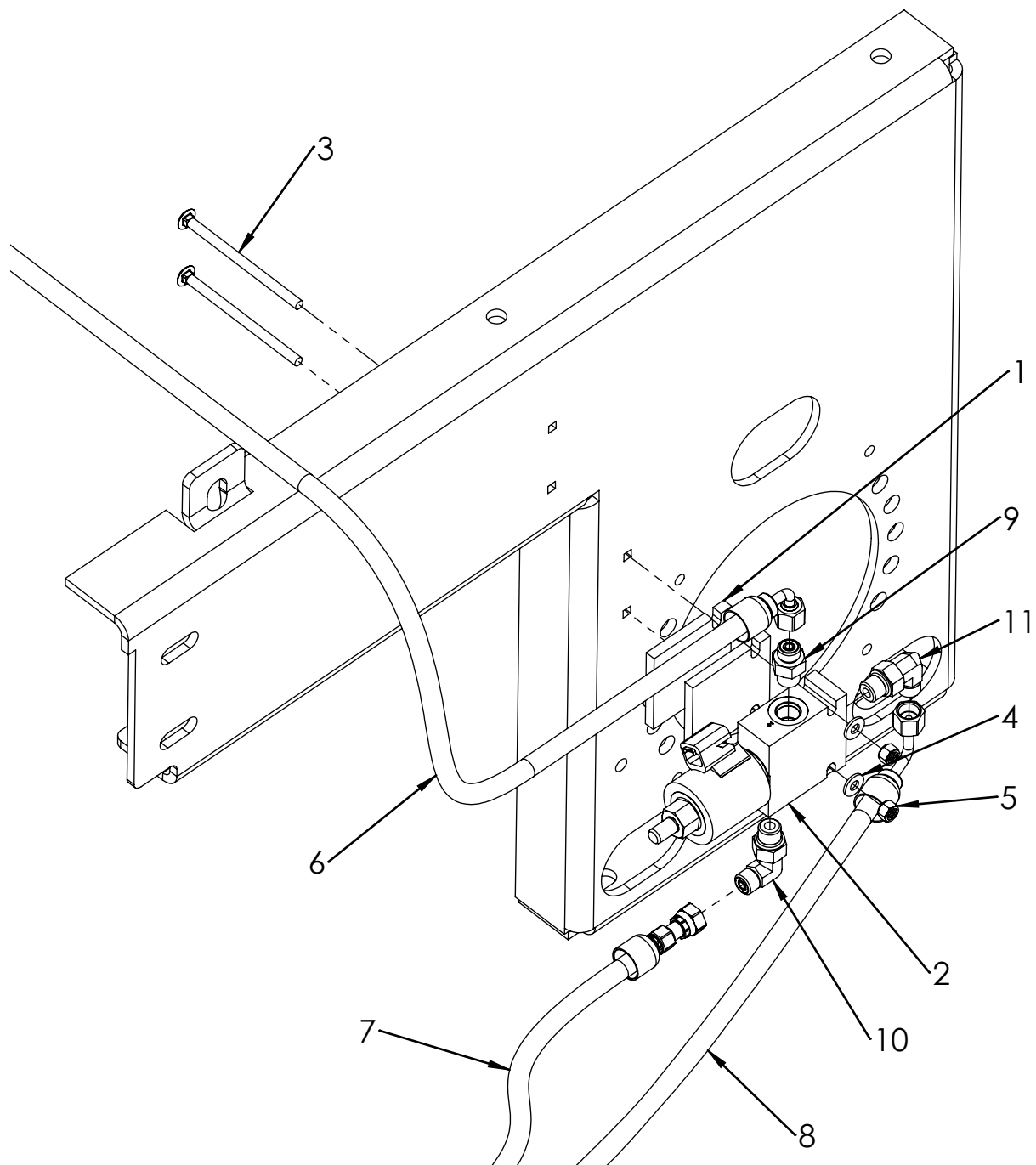
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Footnotes:

Notes:

Pressure Solenoid Valve

HG1200



Pressure Solenoid Valve

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4756	PLATE, SPACER	2	
2	941-4736	VALVE, 2 POS. 3-WAY	1	
3	04CB64	BOLT, 1/4-20 x 4 CARRIAGE	2	
4	04FW-SAE	WASHER, 1/4"	2	
5	04TLN	NUT, 1/4-20 TOP LOCK	2	
6	H-01626	HOSE, 4FOS-4FO90S X 74"	1	
7	H-01638	HOSE, 4FO-4FO X 35"	1	
8	H-01639	HOSE, 4FO-4FO90M X 40"	1	
9	926-2201	ADAPTER, 4MO X 6MB	1	
10	926-2301	ELBOW, 4MO X 6MB 90°	3	

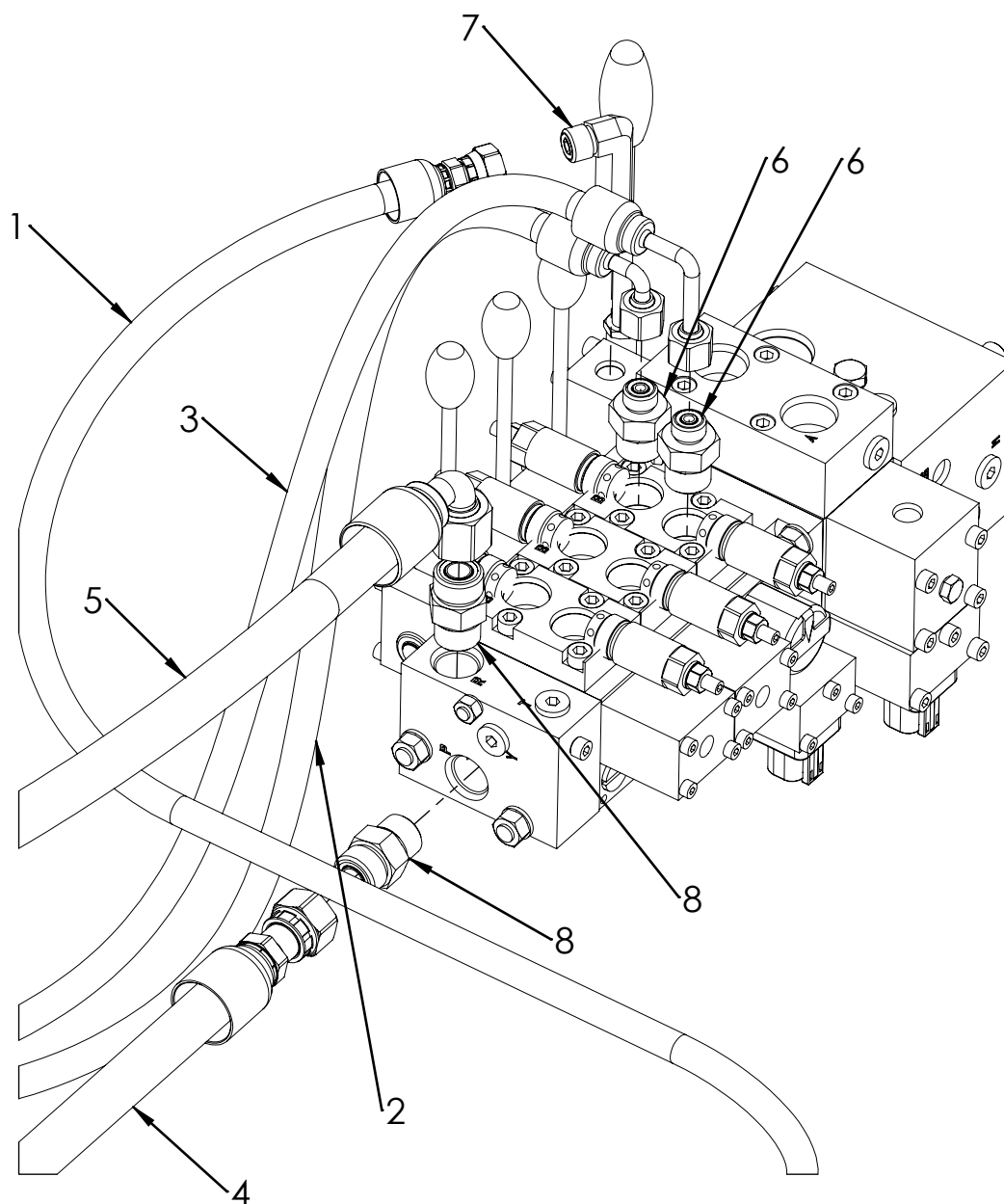
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Footnotes:

Notes:

Main Valve

HG1200



Main Valve

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01629	HOSE, 4FOS-4FO90S X 36.5"	1	
2	H-01649	HOSE, 4FO-4FO90S X 38"	1	
3	H-01650	HOSE, 4FO-4FO90L X 37"	1	
4	H-01651	HOSE, 8FO-8FO X 51.5"	1	
5	H-01652	HOSE, 8FO-8FO90S X 51.5"	1	
6	926-2202	ADAPTER, 4MO X 8MB	2	
7	926-2160	ELBOW, 4MO X 4MB 90° LONG	1	
8	926-2206	ADAPTER, 8MO X 8MB	2	

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Footnotes:

Notes:

Main Valve

HG1200

This technical diagram illustrates the exploded view of the Main Valve HG1200 assembly. The components are numbered as follows:

- 1: Main valve body
- 2: Hose
- 3: Hose
- 4: Hose
- 5: Hose
- 6: Hose
- 7: Hose
- 8: Hose
- 9: Hose
- 10: Hose
- 11: Hose
- 12: Hose
- 13: Hose
- 14: Hose
- 15: Hose
- 16: Hose
- 17: Hose
- 18: Hose
- 19: Hose

180

Main Valve

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01656	HOSE, 4FOS-4FO90S X 46.5"	1	
2	H-01623	HOSE, 12FO-12FO90S X 40.5"	1	
3	H-01631	HOSE, 4FOS-4FO90M X 34.5"	1	
4	H-01638	HOSE, 4FO-4FO X 35"	1	
5	H-01639	HOSE, 4FO-4FO90M X 40"	1	
6	H-01640	HOSE, 12FO-12FO90L X 40"	1	
7	H-01641	HOSE, 12FO-12FO90S X 41"	1	
8	H-01643	HOSE, 16FOS-16FO90S X 46"	1	
9	H-01620	HOSE, 4FOS-4FO90M X 38.5"	1	
10	926-7504	TEST PORT COUPLING	1	
11	926-2218	ADAPTER, 16MO X 12MB	1	
12	926-2313	ELBOW, 12MO X 12MB 90°	1	
13	926-2214	ADAPTER, 12MO X 10MB	2	
14	926-2160	ELBOW, 4MO X 4MB 90° LONG	1	
15	926-2300	ELBOW, 4MO X 4MB 90°	1	
16	926-2200	ADAPTER, 4MO X 4MB	3	
17	926-5700	ELBOW, 4MO X 4FO 90°	1	
18	926-3479	TEE, 4MO X 4FO X 4MO RUN	1	
19	926-6701	GAUGE PORT, 4MO X 4FO X 4FB	2	

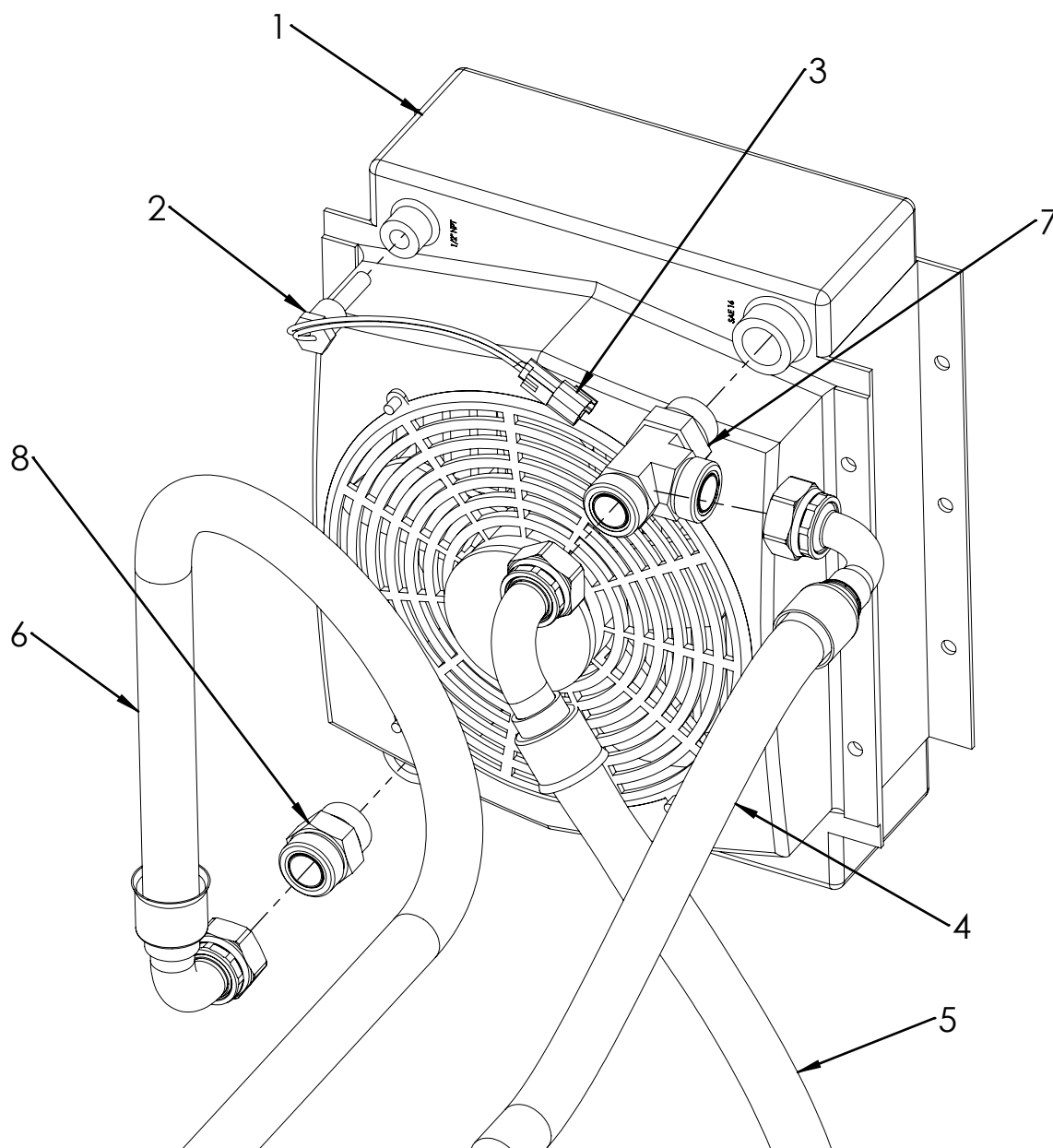
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Footnotes:

Notes:

Oil Cooler Hydraulics

HG1200



Oil Cooler Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-5076	HYDRAULIC COOLER	1	
2	912-5085	SWITCH, TEMPERATURE 140	1	
3	912-4225	RECEPTACLE 2-WAY	1	
4	H-01645	HOSE, 12FO-16FO90S X 28"	1	
5	H-01644	HOSE, 16FOS-16FO90S X 29.5"	1	
6	H-01647	HOSE, 16FOS-16FO90S X 93"	1	
7	926-3908	TEE, 16MO X 16MB X 16MO RUN	1	
8	926-2216	ADAPTER, 16MO X 16MB	1	

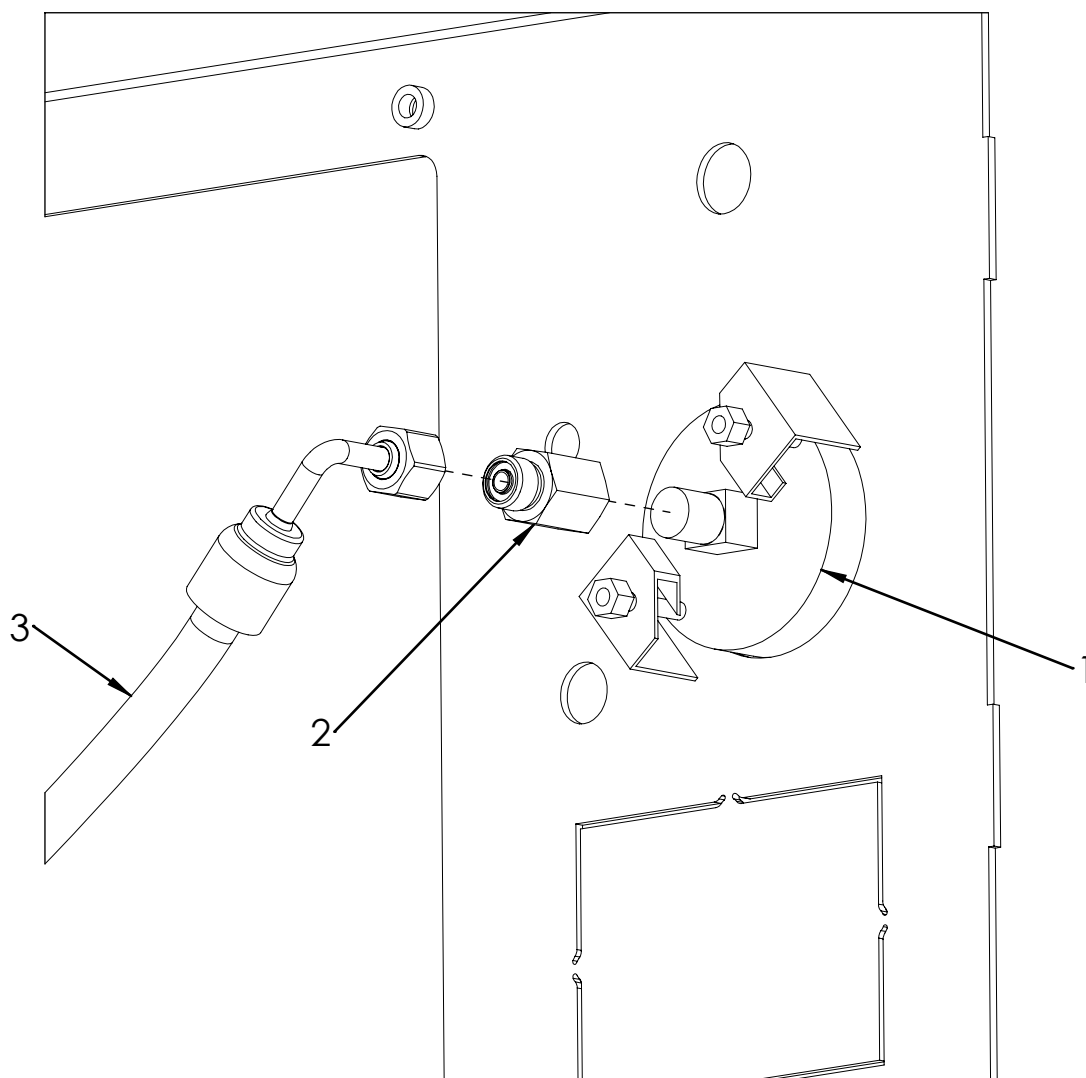
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Footnotes:

Notes:

Pressure Gauge Hydraulics

HG1200



Pressure Gauge Hydraulics
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6203	GAUGE, PRESSURE-5000 PSI	1	
2	926-6300	ADAPTER, 4MO X 4FP	1	
3	H-01620	HOSE, 4FOS-4FO90M X 38.5"	1	

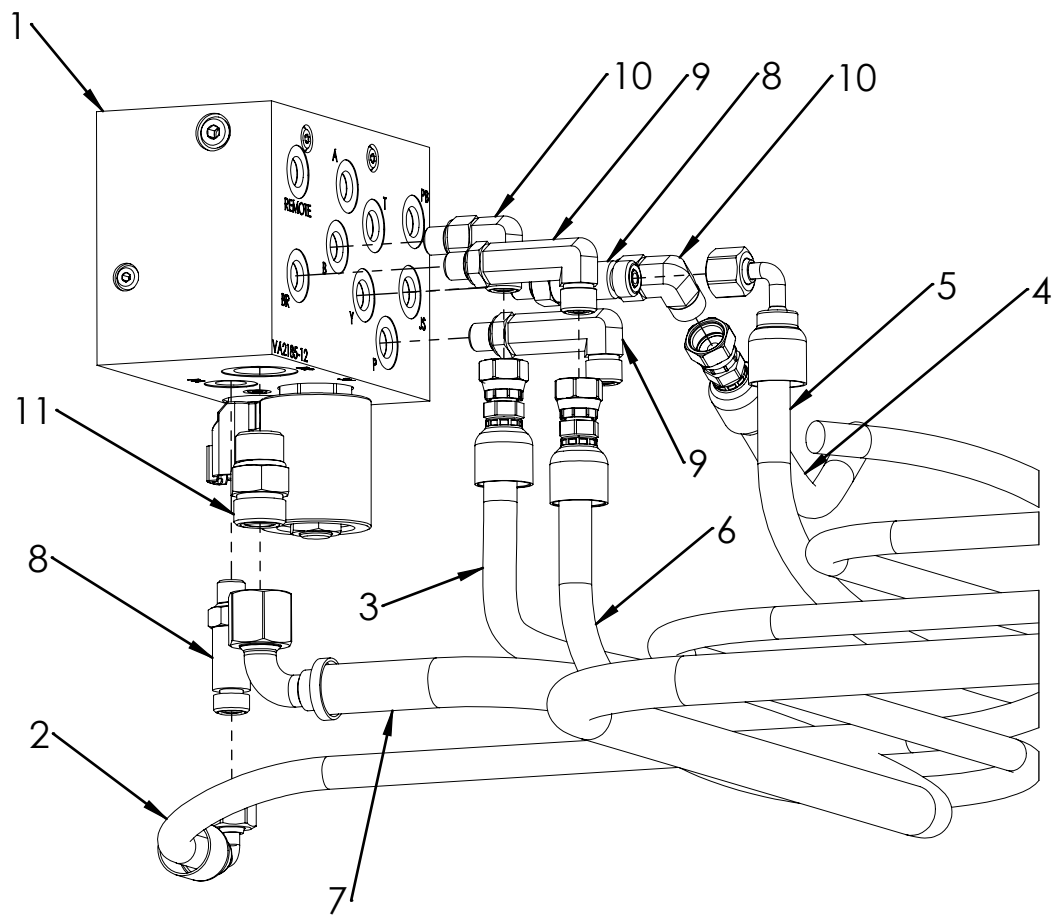
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Footnotes:

Notes:

Manifold Hydraulics

HG1200



Manifold Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4753	MANIFOLD, HG3 CONTROL	1	
2	H-01629	HOSE, 4FOS-4FO90S X 36.5"	1	
3	H-01630	HOSE, 4FOS-6FO90L X 14.5"	1	
4	H-01634	HOSE, 4FOS-4FO90S X 8.5"	1	
5	H-01635	HOSE, 4FO-4FO90S X 87"	1	
6	H-01636	HOSE, 4FOS-4FO X 88"	1	
7	H-01637	HOSE, 8FO90S-8FO90S X 96"	1	
8	926-8700	ADAPTER, 4MO X 4MB LONG	2	
9	926-2160	ELBOW, 4MO X 4MB 90° LONG	2	
10	926-2300	ELBOW, 4MO X 4MB 90°	2	
11	926-2206	ADAPTER, 8MO X 8MB	1	

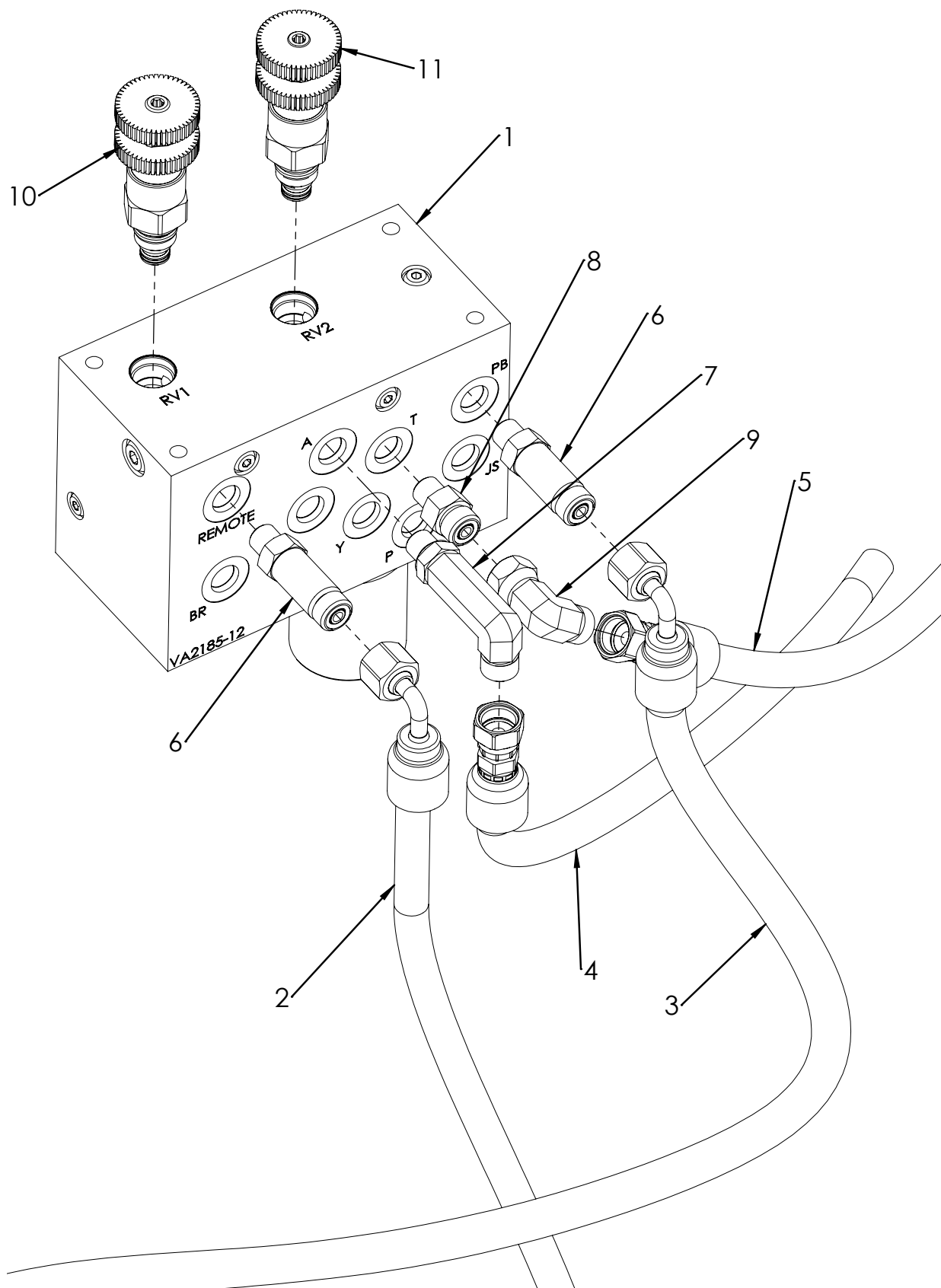
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Footnotes:

Notes:

Manifold Hydraulics

HG1200



Manifold Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4753	MANIFOLD, HG3 CONTROL	1	
2	H-01627	HOSE, 4FOS-4FO90S X 87"	1	
3	H-01631	HOSE, 4FOS-4FO90M X 34.5"	1	
4	H-01632	HOSE, 4FOS-6FO90S X 14.5"	1	
5	H-01633	HOSE, 4FOS-4FO90L X 10"	1	
6	926-8700	ADAPTER, 4MO X 4MB LONG	2	
7	926-2160	ELBOW, 4MO X 4MB 90° LONG	1	
8	926-2200	ADAPTER, 4MO X 4MB	1	
9	926-5700	ELBOW, 4MO X 4FO 90°	1	
10	941-4724	VALVE, RELIEF	1	
11	941-4731	VALVE, RELIEF	1	

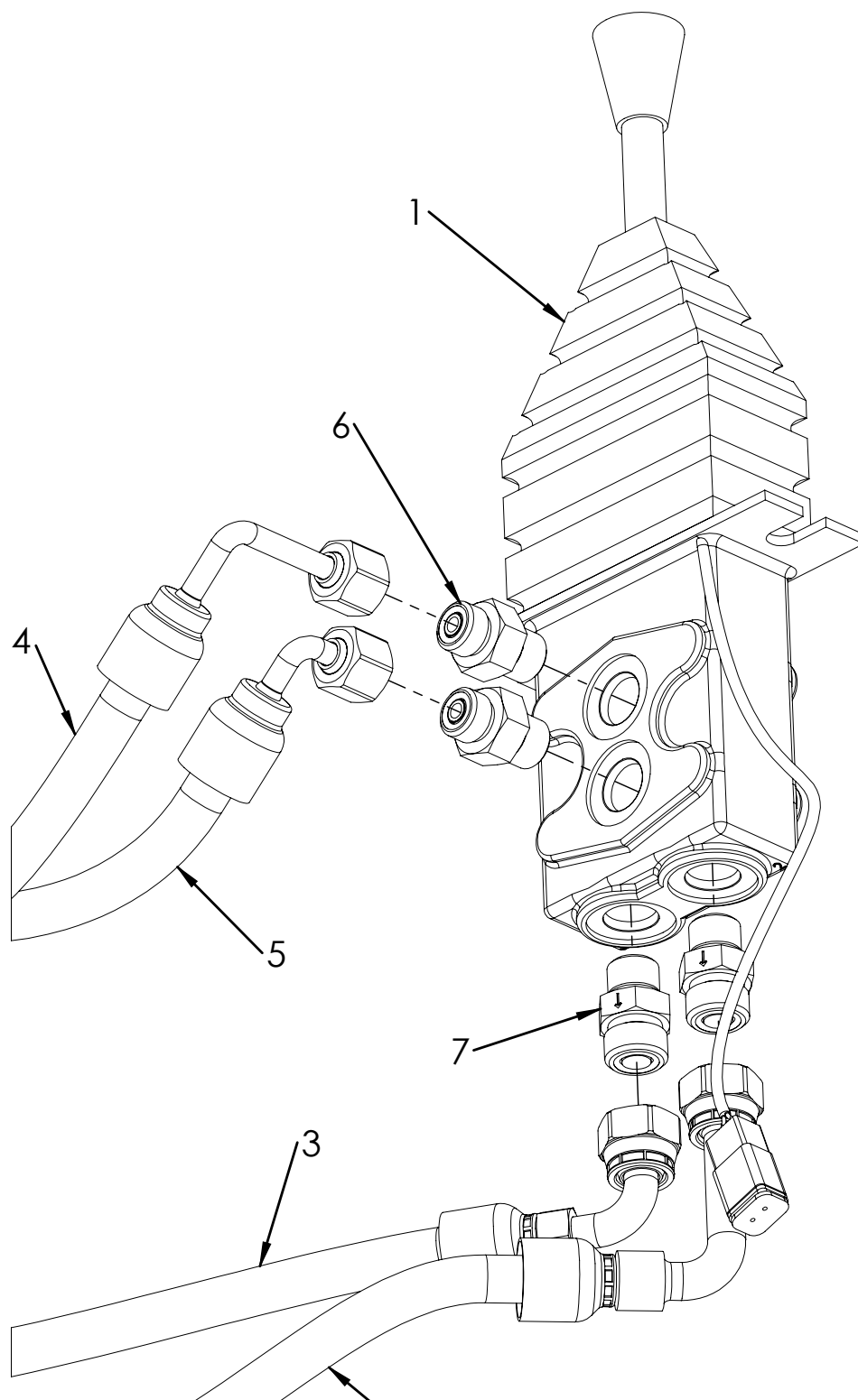
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Footnotes:

Notes:

Joystick Hydraulics

HG1200



Joystick Hydraulics

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6290	JOYSTICK ASSEMBLY	1	
2	H-01630	HOSE, 4FOS-6FO90L X 14.5"	1	
3	H-01632	HOSE, 4FOS-6FO90S X 14.5"	1	
4	H-01633	HOSE, 4FOS-4FO90L X 10"	1	
5	H-01634	HOSE, 4FOS-4FO90S X 8.5"	1	
6	926-2201	ADAPTER, 4MO X 6MB	2	
7	912-6206	VALVE, CHECK INLINE -06	2	

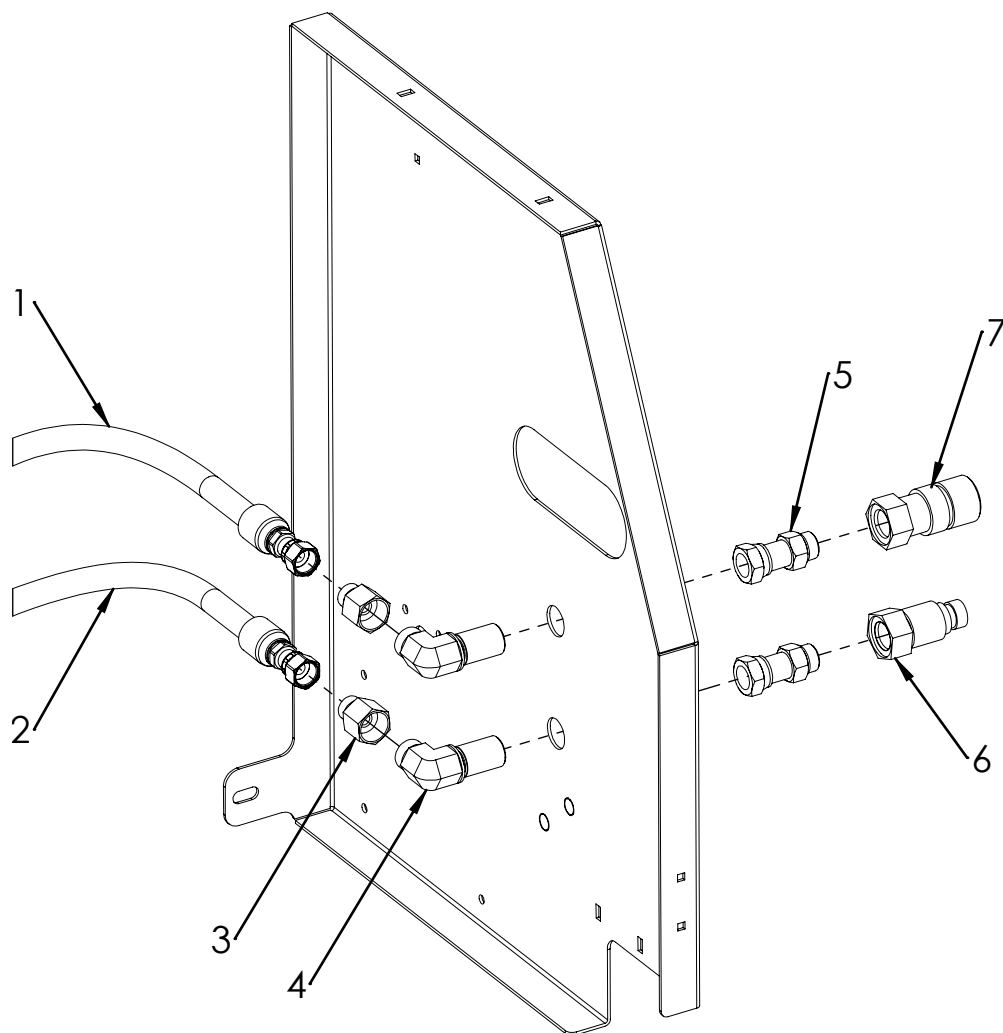
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Footnotes:

Notes:

Bulkhead Connections

HG1200



Bulkhead Connections

HG1200

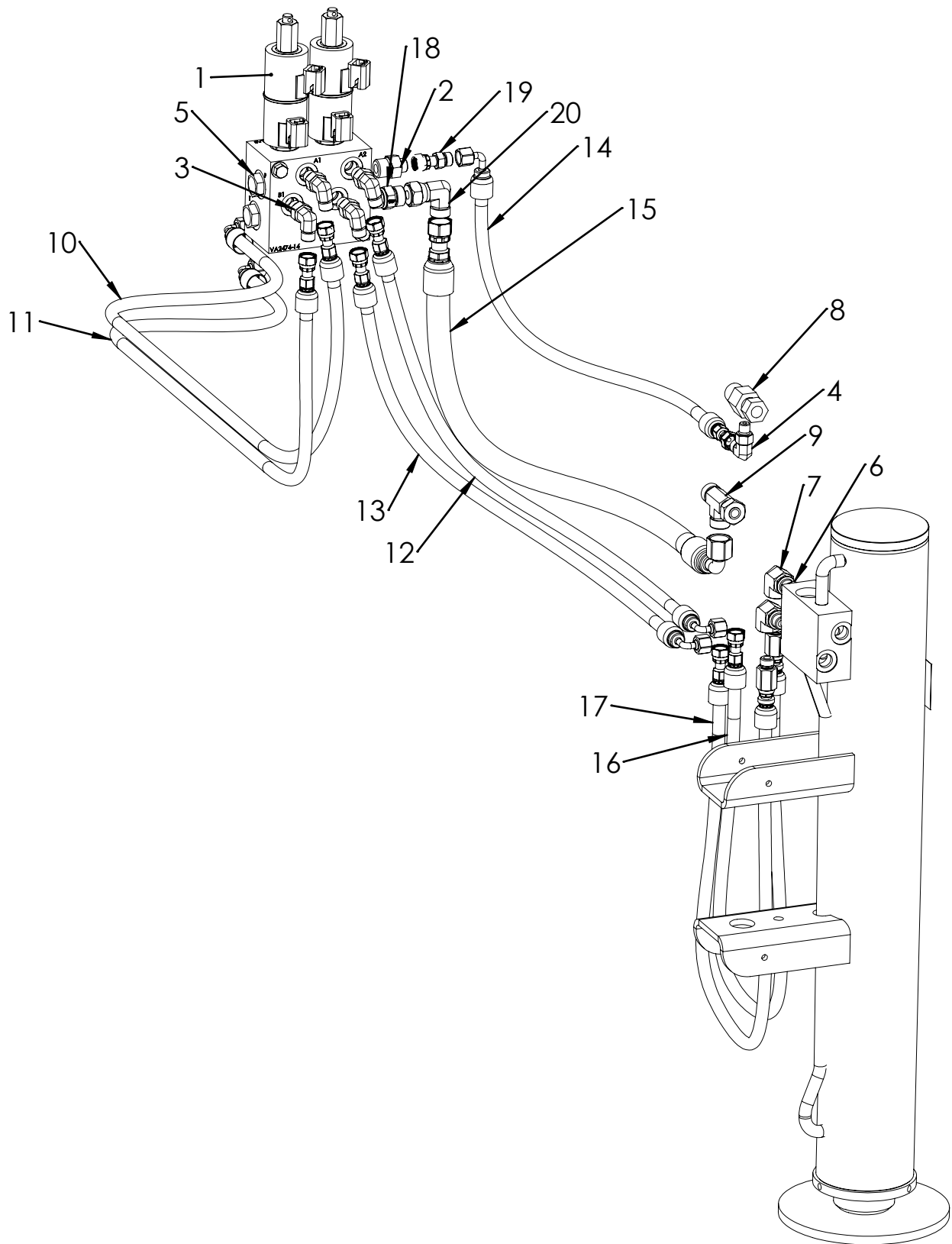
Bom ID	Part No	Description	Qty	Remarks
1	H-01651	HOSE, 8FO-8FO X 51.5"	1	
2	H-01652	HOSE, 8FO-8FO90S X 51.5"	1	
3	926-3405	ADAPTER, 10FO X 8MO	2	
4	926-4903	ELBOW, 10MO 90° BH	2	
5	926-8201	ADAPTER, -10FO X -10MB	2	
6	912-3038	NIPPLE	1	
7	912-3039	ADAPTER, COUPLER	1	

Not Shown:

Footnotes:

Notes:

Left Stabilizer HG1200



Left Stabilizer

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	941-4761	COIL, #10	4	
2	926-2202	ADAPTER, 4MO X 8MB	1	
3	926-2301	ELBOW, 4MO X 6MB 90°	4	
4	926-2300	ELBOW, 4MO X 4MB 90°	1	
5	926-4102	PLUG, 8MB HEX HEAD	2	
6	926-3803	REDUCER, 6MB X 6FB	1	
7	926-8231	ELBOW, 6MB X 6FB 90°	2	
8	926-6705	GAUGE PORT, 8MO X 8FO X 4FB	1	
9	926-3481	TEE, 8MO X 8FO X 8MO RUN	1	
10	H-01674	HOSE, 4FO-4FO90S X 47"	1	
11	H-01674	HOSE, 4FO-4FO90S X 47"	1	
12	H-01675	HOSE, 4FO-4FO90S X 28.5"	1	
13	H-01675	HOSE, 4FO-4FO90S X 28.5"	1	
14	H-01672	HOSE, 4FO-4FO90S X 23"	1	
15	H-01673	HOSE, 8FO-8FO90S X 28"	1	
16	H-01676	HOSE, 6MB-4FO X 47"	1	
17	H-01676	HOSE, 6MB-4FO X 47"	1	
18	941-7427	VALVE, CHECK, INLINE	1	
19	4 LOHL6	4 LOHL6 - ORIFICE, 4MO X 4FO X 0.78	1	
20	926-5702	ELBOW, 8MO X 8FO 90°	1	

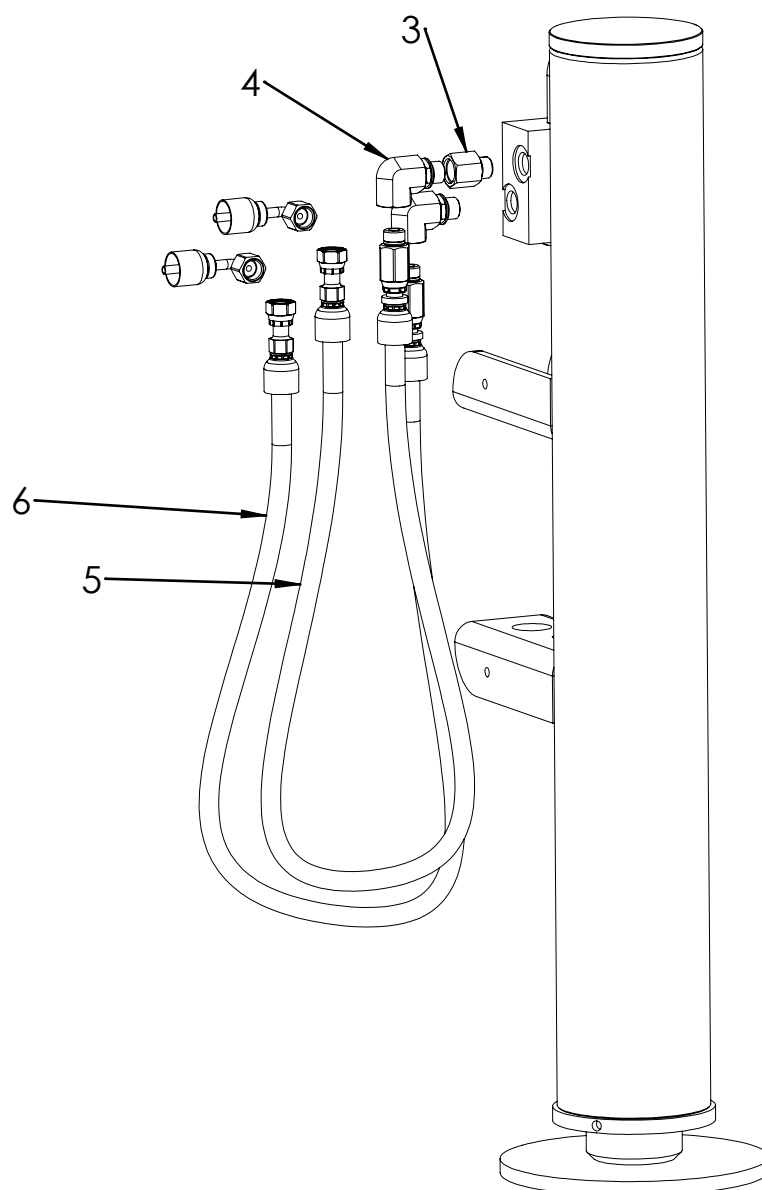
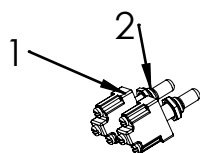
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Footnotes:

Notes:

Right Stabilizer

HG1200



Right Stabilizer

HG1200

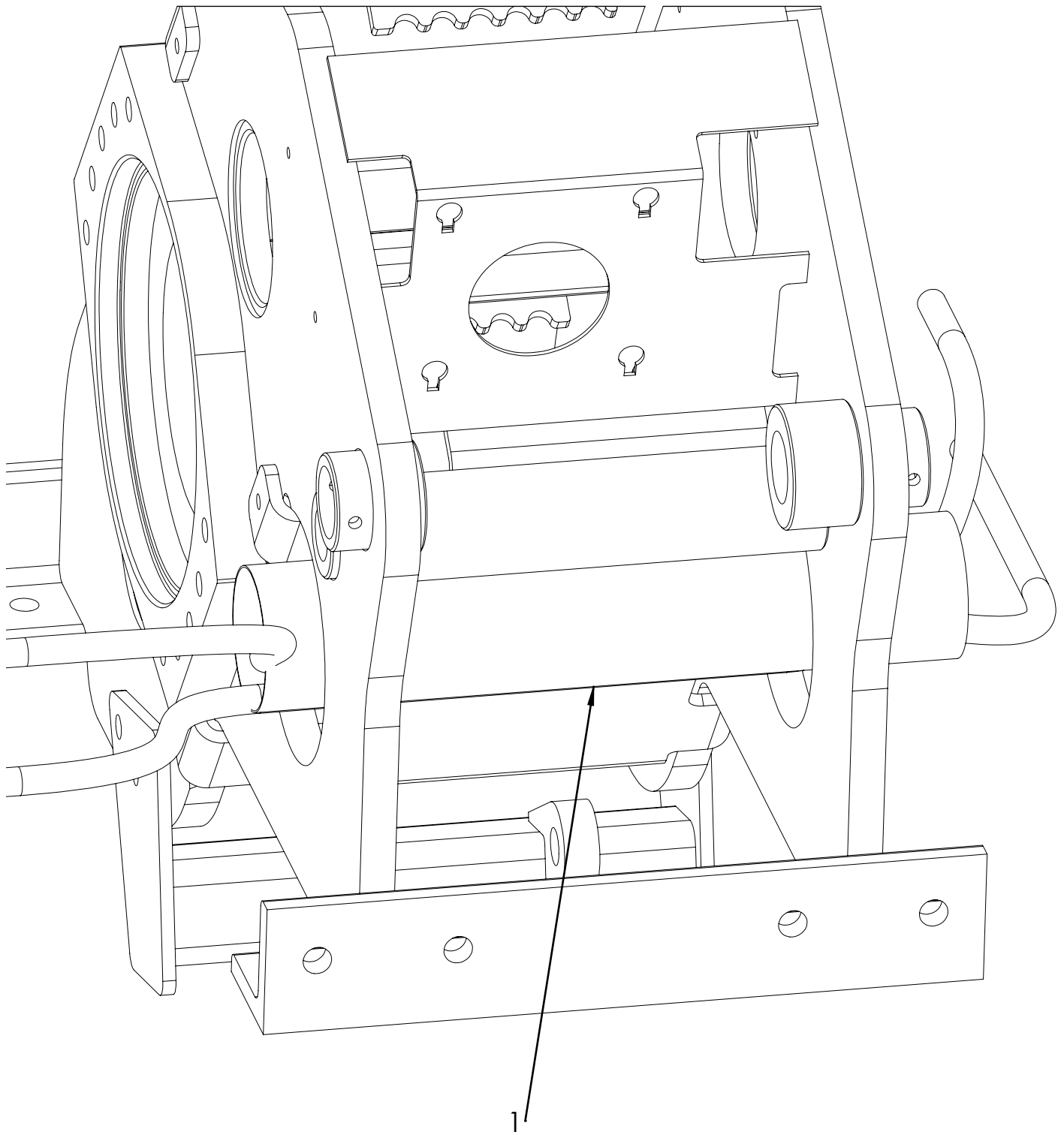
Bom ID	Part No	Description	Qty	Remarks
1	912-4164	SWITCH, TOGGLE SPDT - MOMENTARY	2	
2	912-3618	TOGGLE BOOT	2	
3	926-3803	REDUCER, 6MB X 6FB	1	
4	926-8231	ELBOW, 6MB X 6FB 90°	2	
5	H-01676	HOSE, 6MB-4FO X 47"	1	
6	H-01676	HOSE, 6MB-4FO X 47"	1	

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Footnotes:

Notes:

Cordura Sleeve HG1200



Cordura Sleeve
HG1200

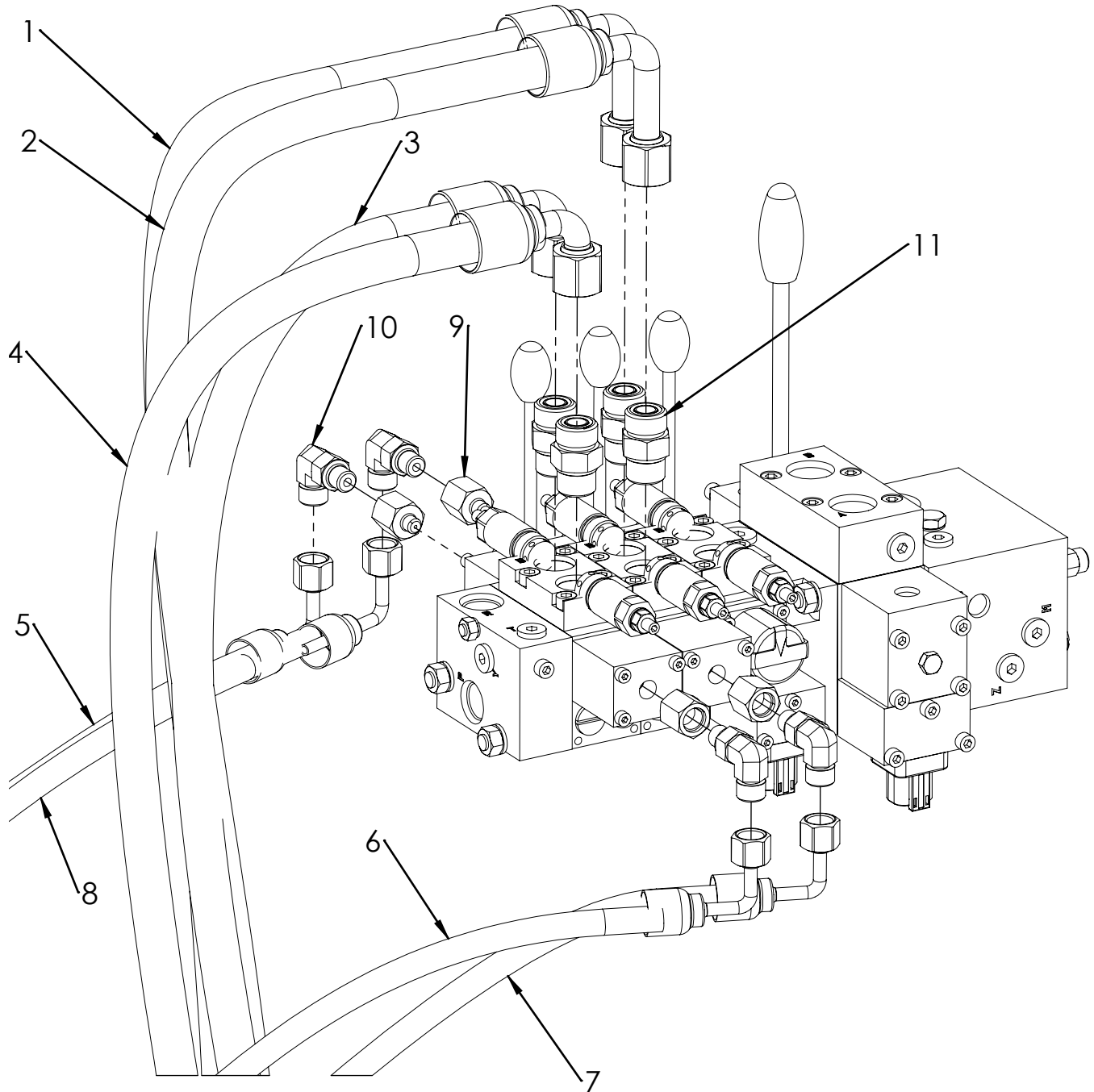
Bom ID	Part No	Description	Qty	Remarks
1	H-02109	HOSE, CORDURA SLEEVE	1	

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Footnotes:

Notes:

Main Valve Connections—Track Unit HG1200



Main Valve Connections—Track Unit

HG1200

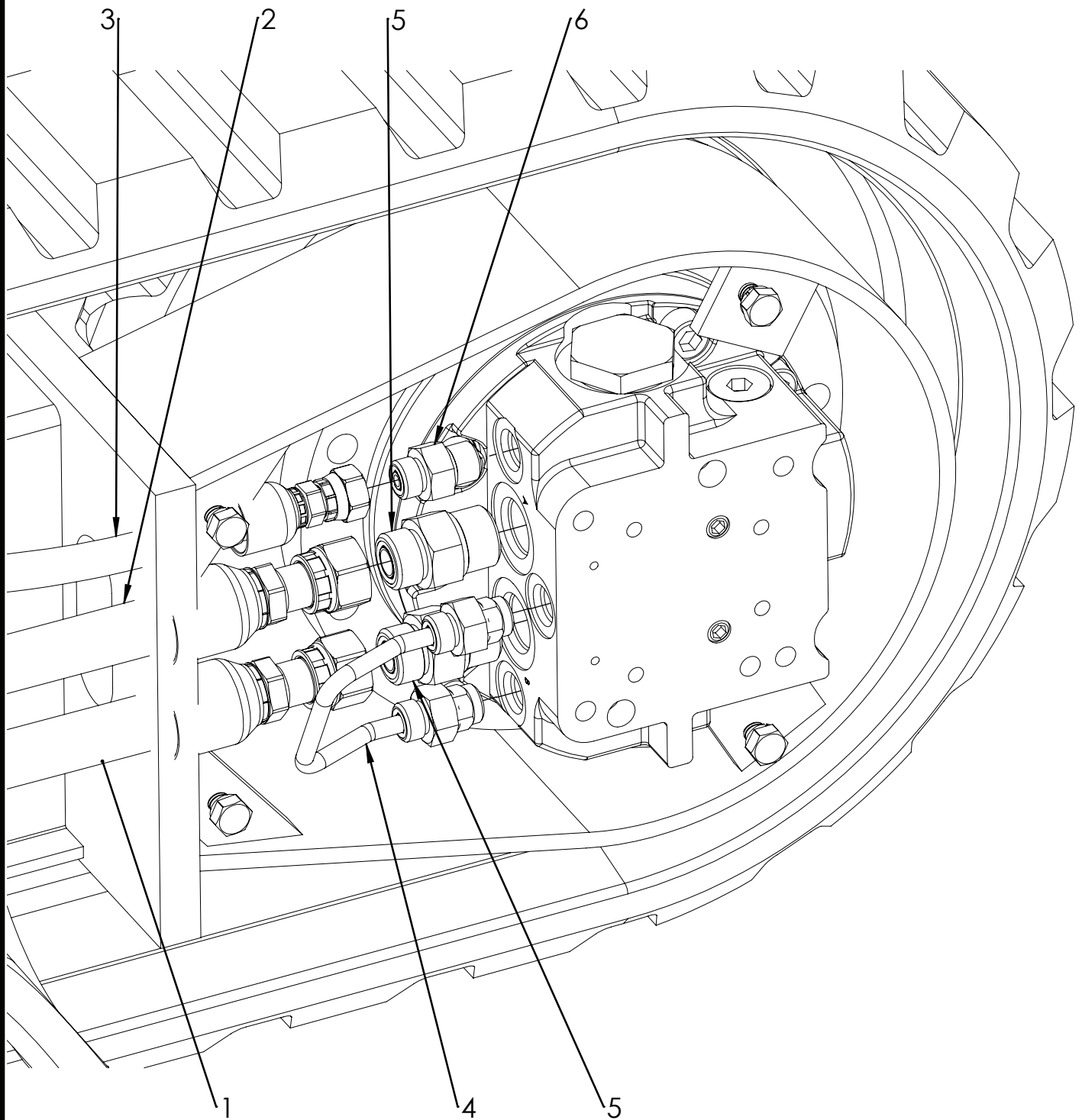
Bom ID	Part No	Description	Qty	Remarks
1	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
2	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
3	H-01661	HOSE, 8FO-8FO90S X 50"	1	
4	H-01661	HOSE, 8FO-8FO90S X 50"	1	
5	H-01666	HOSE, 6MB-4FO90M X 64"	1	
6	H-01666	HOSE, 6MB-4FO90M X 64"	1	
7	H-01668	HOSE, 6MB-4FO90M X 66"	1	
8	H-01668	HOSE, 6MB-4FO90M X 66"	1	
9	926-3829	ADAPTER, 2MB X 4 FB	4	
10	926-2300	ELBOW, 4MO X 4MB 90°	4	
11	926-2206	ADAPTER, 8MO X 8MB	4	

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Footnotes:

Notes:

Right Track Connections—Track Unit HG1200



Right Track Connections—Track Unit

HG1200

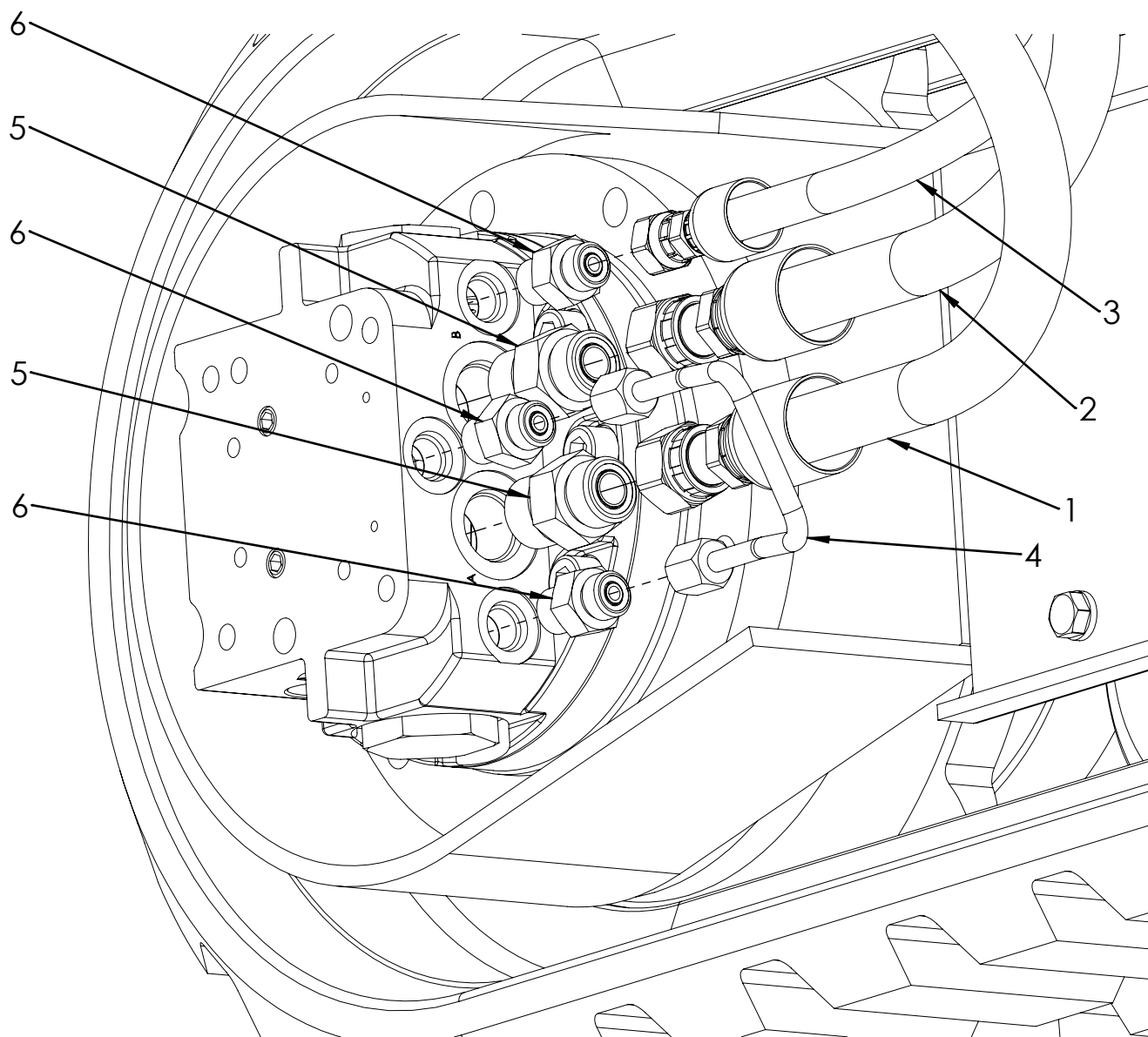
Bom ID	Part No	Description	Qty	Remarks
1	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
2	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
3	H-01662	HOSE, 4FOS-4FO90S X 57"	1	
4	912-6230	TUBE, JUMPER	2	
5	926-2224	ADAPTER, 8MO X 10MB	2	
6	926-2201	ADAPTER, 4MO X 6MB	3	

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Footnotes:

Notes:

Left Track Connections—Track Unit HG1200



Left Track Connections—Track Unit

HG1200

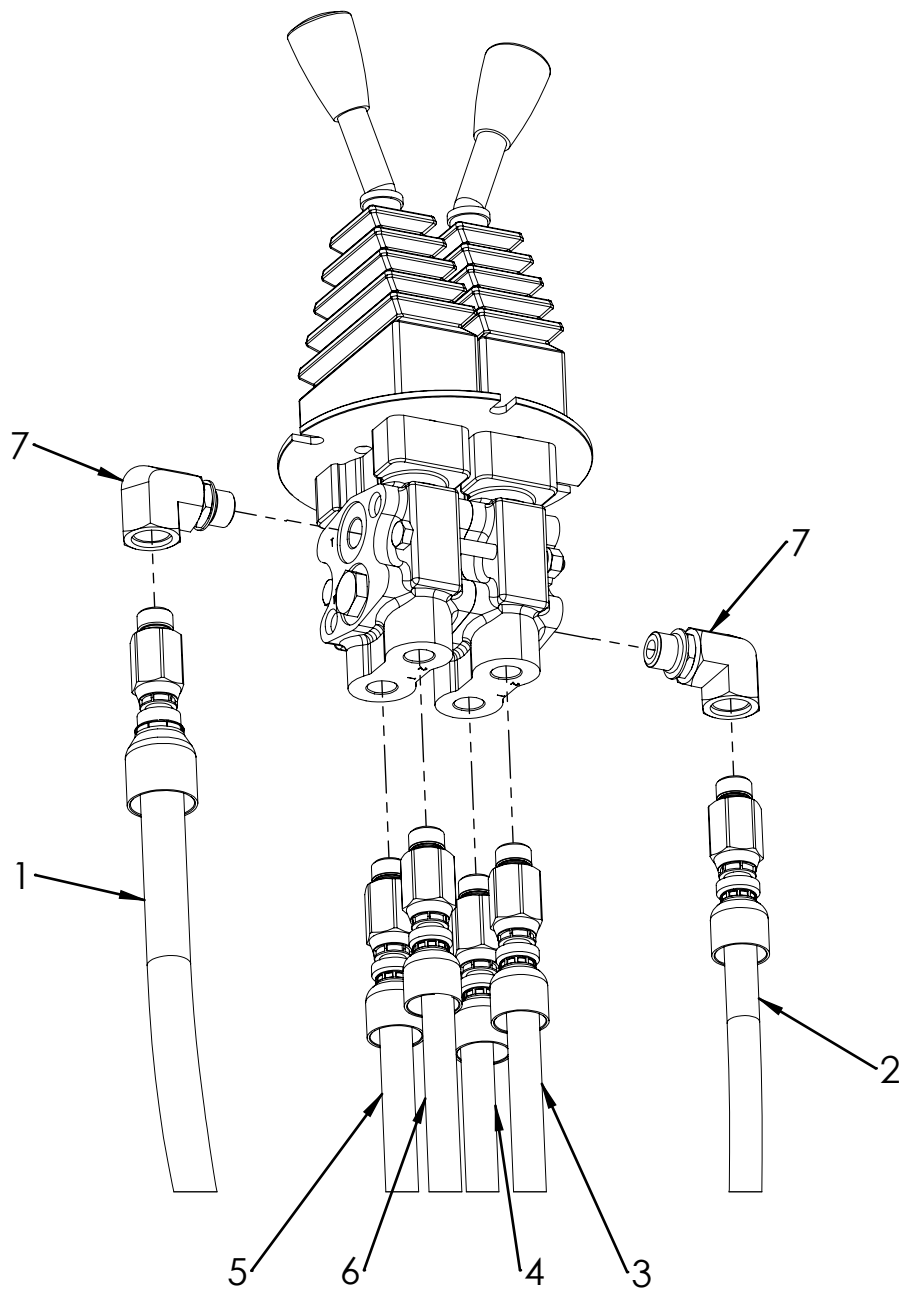
Bom ID	Part No	Description	Qty	Remarks
1	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
2	H-01660	HOSE, 8FO-8FO90L X 77.5"	1	
3	H-01663	HOSE, 4FOS-4FO90S X 23.5"	1	
4	912-6230	TUBE, JUMPER	2	
5	926-2224	ADAPTER, 8MO X 10MB	4	
6	926-2201	ADAPTER, 4MO X 6MB	6	

Not Shown:

Footnotes:

Notes:

Joystick Connections—Track Unit HG1200



Joystick Connections—Track Unit

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	H-01659	HOSE, 6MB-6FO X 112"	1	
2	H-01665	HOSE, 6MB-6FO X 105"	1	
3	H-01666	HOSE, 6MB-4FO90M X 64"	1	
4	H-01666	HOSE, 6MB-4FO90M X 64"	1	
5	H-01668	HOSE, 6MB-4FO90M X 66"	1	
6	H-01668	HOSE, 6MB-4FO90M X 66"	1	
7	926-8231	ELBOW, 6MB X 6FB 90°	2	

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Footnotes:

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Notes

ELECTRICAL

HG1200



ELECTRICAL SCHEMATIC: 912-6101

Electrical Schematic—Main Harness

HG1200

Item No.	Part No	Description	Qty	Remarks
1	DT06-12S	DEUTSCH 12-WAY PLUG	2	
2	W12S	DEUTSCH 12-WAY LOCK	4	
3	DT04-8P	DEUTSCH 8-WAY RECEPTACLE	1	
4	W8P	DEUTSCH 8_WAY RECEPTACLE	1	
5	DT04-6P	DEUTSCH 6-WAY RECEPTACLE	1	
6	W6P	DEUTSCH 6-WAY RECEPTACLE LOCK	1	
7	DT04-4P	DEUTSCH 4-WAY SIZE 12 RECEPTACLE	1	
8	WP-4P	DEUTSCH 4-WAY SIZE 12 RECEPTACLE	1	
9	DT06-3S	DEUTSCH 3-WAY PLUG	1	
10	W2P	DEUTSCH 3-WAY PLUG LOCK	1	
11	DT04-2P	DEUTSCH 2-WAY RECEPTACLE	1	
12	W2P	DEUTSCH 2-WAY RECEPTACLE LOCK	1	
13	DT06-2S	DEUTSCH 2-WAY PLUG	12	
14	W2S	DEUTSCH 2-WAY LOCK	12	
15	0460-215-16141	DEUTSCH 104-16GA PIN	12	
16	0460-204-12	DEUTSCH 12-14 GA PIN	3	
17	0462-209-16141	DEUTSCH 41-16 GA or 16-18 GA SOCKET		
18	114017	DEUTSCH SEALING PLUG	15	
19	12015792	WEATHERPACK 2-WAY TOWER	1	
20	12124580	WEATHERPACK 14-16 GA SOCKET	2	
21	WAKW 4.5T-1	TURCK FEMALE 5 CONNECTOR WITH CABLE	1	
22	XXX	WEATHERPACK 4-WAY BUSS TERM	1	
23	15324982	WEATHERPACK 16-18 GA WIRE SEAL (GREEN)	2	
24	12004943	WEATHERPACK 4-WAY FUSE BLOCK	2	
25	12004558	WEATHERPACK 3-WAY BUSS TERMINAL	1	
26	12004554	WEATHERPACK FUSE TERMINAL (14-16 GA)	9	
27	12004553	WEATHERPACK FUSE TERMINAL (10-12 GA)	4	
28	15 AMP FUSE	ATO/ATC BLADE TYPE	1	
29	7.5 AMP FUSE	ATO/ATC BLADE TYPE	4	
30	DT04-12SB	DEUTSCH 12-WAY BUSSED PLUG	2	
31	DT04-12PB-P021	DEUTSCH 12-WAY BUSSED RECEPTACLE	2	
32	2973781	PACKARD 2-WAY CONNECTOR BODY	1	
33	2965142	PACKARD 1/4" FEMALE TERMINAL (14-16 GA)	2	
34	WAYTEK -32207	#6 SCREW 10-12	2	
35	SAE B102 EYELET	#6 SCREW, 14-16 GA WIRE	26	

Electrical Schematic—Main Harness

HG1200

Item No.	Part No	Description	Qty	Remarks
36	SAE B103 EYELET	#6 SCREW, 14-16 GA WIRE	4	
37	MOLEX	#10 SCREW 14-16	1	
38	SAE B204 EYELET	#10 SCREW, 10-12 GA WIRE	5	
39	MOLEX	#10 SCREW 8 GA	1	
40	TYCO 3-520132-2	FEMALE 1/4" 90° FLAG TERMINAL 12-18 GA WIRE	2	
41	SAE B307 EYELET	3/8" SCREW, 8 GA WIRE	1	
42	AMP 63097-1	FEMALE 1/4" POSITIVE LOCK TERM 14-18 GA WIRE	2	
43	TRUCK-LITE #94902	MOLDED 2-WAY LIGHT PLUG	1	
44	DT06-4S	DEUTSCH 4- WAY PLUG	2	
45	W4S	DEUTSCH 4-WAY LOCK	2	
46	DT06-6S	DEUTSCH 6-WAY PLUG	3	
47	W6S	DEUTSCH 6-WAY LOCK	3	
51	DT04-3P	DEUTSCH 3-WAY RECEPTACLE	1	
52	W3P	DEUTSCH 3-WAY RECEPTACLE LOCK	1	
53	5/16 EYELET	5/16" SCREW, 6 GA	1	
54	TRUCK-LITE #94993	MOLDED 3-WAY LIGHT PLUG	2	

Main Harness Circuit List

HG1200

No.	Color	Gauge	From	To
8	ORANGE	14	STARTER POST	20 AMP CIRCUIT BREAKER "BAT" TERM
9	RED	16	FUSE BLOCK 2, OUTPUT 5	12V AUX POWER + (HOT)
10	ORANGE	16	FUSE BLOCK 2, OUTPUT 6	
10A	BROWN	16	FUSE BLOCK 2, OUTPUT 6	
11	WHITE	16	FUSE BLOCK 2, OUTPUT 7	ESID TERM #1
12	PINK	16	FUSE BLOCK 2, OUTPUT 8	ESID TERM #4
12A	PINK	16	FUSE BLOCK 2, OUTPUT 8	DATA LOGGER TERM #6
13	ORANGE	10	50 AMP CIRCUIT BREAKER "BAT" TERM	30 AMP CIRCUIT BREAKER "BAT" TERM
14	RED	12	50 AMP CIRCUIT BREAKER "AUX" TERM	IGNITION SWITCH TERM 30
14A	RED	14	IGNITION SWITCH TERM 30	LIE FUSE CIRCUIT675/2
15	PINK	16	50 AMP CIRCUIT BREAKER "BAT" TERM	30 AMP CIRCUIT BREAKER "BAT" TERM
16	BLUE	12	IGNITION SWITCH TERM AC	FUSE BLOCK "FEED" TERMINAL
17	TAN	16	FUSE BLOCK 1 INPUT	FUSE BLOCK 2 INPUT
17A	TAN	16	FUSE BLOCK 1, OUTPUT 1	JOYSTICK TERM 1
17B	TAN	16	FUSE BLOCK 1, OUTPUT 1	FILTER SWITCH TERM 1
18	ORANGE	14	FUSE BLOCK 1, OUTPUT 2	LIGHT RELAY TERM 1 (86)
18A	ORANGE	16	FUSE BLOCK 1, OUTPUT 2	COOLER OIL TEMP TERM 2
19	GREEN	16	FUSE BLOCK 1, OUTPUT 3	8-WAY ENGINE CONNECTOR TERM 3
19A	GREEN	16	FUSE BLOCK 1, OUTPUT 3	HOUR METER +
19B	GREEN	16	SPLICE TO 19	FUEL PUMP
20	BROWN	16	FUSE BLOCK 1, OUTPUT 4	MODE SWITCH TERM 2
21	LT BLUE	16	LED MODULE TERM 9	8-WAY ENGINE CONNECTOR TERM 2
22	WHITE	16	IGNITION SWITCH TERM 50	EMERGENCY STOP TERM C
22A	WHITE	16	IGNITION SWITCH TERM 50	4-WAY ENGINE CONNECTOR TERM 2
23	ORANGE	12	IGNITION SWITCH TERM 17	4-WAY ENGINE CONNECTOR TERM 3
23A	ORANGE	12	IGNITION SWITCH TERM 17	IGNITION SWITCH TERM 19
23B	ORANGE	16	IGNITION SWITCH TERM 19	LED MODULE TERM 6
24	BLUE	16	LED MODULE TERM 10	8-WAY ENGINE CONNECTOR TERM 4
25	RED	16	EMERGENCY STOP TERM B	8-WAY ENGINE CONNECTOR TERM 5
26	PINK	16	EMERGENCY STOP TERM A	LED MODULE TERM 7
27	PURPLE	16	EMERGENCY STOP TERM D	LED MODULE TERM 1
28	BLUE	16	20 AMP CIRCUIT BREAKER "AUX" TERM	LIGHT RELAY TERM 6 (30)
29	WHITE	16	ENGINE GROUND	TRAILER HARNESS TERM 1
29A	WHITE	16	ENGINE GROUND	LEFT FRONT CLEARANCE LIGHT
29B	WHITE	16	ENGINE GROUND	RIGHT CLEARANCE LIGHT SPLICE TO 29C
29C	WHITE	16	WORK LIGHT	SPLICE TO 29D
29D	WHITE	16	RIGHT TAIL LIGHT	SPLICE TO 29E
29E	WHITE	16	LEFT TAIL LIGHT	SPLICE TO 29F

Main Harness Circuit List

HG1200

No.	Color	Gauge	From	To
29F	WHITE	16	LICENSE PLATE LIGHT	SPLICE TO 29G
29G	WHITE	16	LEFT REAR CLEARANCE LIGHT	SPLICE TO 29
30	BLACK	12	ENGINE GROUND	SPLICE TO 30A & 30B
30A	BLACK	16	GROUND BUS 1, TERM 1	SPLICE TO 30
30B	BLACK	16	GROUND BUS 1, TERM 2	SPLICE TO 30
31	BLACK	16	GROUND BUS 1, TERM 3	12V AUX POWER GROUND
32	BLACK	16	GROUND BUS1, TERM 4	LED MODULE TERM 12
33	BLACK	16	GROUND BUS 1, TERM 5	HOUR METER GROUND
34	BLACK	16	GROUND BUS TERM 6	ESID CONNECTOR TERM 3
35	BLACK	16	GROUND BUS 1, TERM 7	FAN RELAY TERM 3
36	BLACK	16	GROUND BUS 1, TERM 8	LIGHT RELAY TERM 3
37	BLACK	16	GROUND BU 1, TERM 9	DATA LOGGER TERM 2
38	BLACK	16	GROUND BUS 1, TERM 10	TWO SPEED SOLENOID TERM 2
39	BLACK	16	GROUND BUS 1, TERM 11	PANEL LIGHT40
40	OPEN		GROUND BUS 1, TERM 12	OPEN
41	GREEN	16	LED MODULE TERM 11	FILTER PRESS SENSOR TERM 3
42	RED	16	LED MODULE TERM 3	HYD RES TEMP TERM A
43	WHITE	16	LED MODULE TERM 2	8-WAY ENGINE CONNECTOR TERM 6
44	YELLOW	16	LED MODULE TERM 4	8-WAY ENGINE CONNECTOR TERM 7
45	BROWN	16	TWO SPEED SWITCH TERM 1	PRESSURE SWITCH TERM 1
46	GREEN	16	TWO SPEED SWITCH TERM 2	TWO SPEED SOLENOID TERM 1
46A	LT GREEN	16	TWO SPEED SWITCH TERM 2	DATA LOGGER TERM 8
47	BROWN	16	MODE SWITCH TERM 5	TWO SPEED SWITCH TERM 1
48	WHITE	16	PRESSURE SET SWITCH TERM 2	TRACK SWITCH TERM 1
49	BROWN	16	MODE SWITCH TERM 2	MODE SWITCH TERM 5
50	GREY	16	JOYSTICK POSITION TERM 2	MODE SWITCH TERM 1
50A	GREY	16	MODE SWITCH TERM 1	MODE SWITCH TERM 3
50B	GREY	16	MODE SWITCH TERM 3	LED MODULE TERM 5
51	BROWN	16	30 AMP CIRCUIT BREAKER "AUX" TERM	FAN RELAY TERM 6 (30)
52	GREEN	16	PRESSURE TRANSDUCER TERM 1	DATA LOGGER TERM 7
53	LT BLUE	16	COOLER OIL TEMP TERM 1	FAN RELAY TERM 1 (86)
54	GREEN	16	WINCH MODE TERM 4	PENDANT TERM A
55	GREEN	16	WINCH MODE TERM 4	BOOM SWITCH TERM 2
55A	GREEN	16	BOOM SWITCH TERM 2	BOOM SWITCH TERM 5
56	GREEN	16	WINCH MODE TERM 4	WINCH MODE TERM 1
57	YELLOW	16	WINCH MODE TERM 6	TRACK SWITCH TERM 2
58	YELLOW	16	WINCH MODER TERM 6	STABILIZER SWITCH 1 TERM 1
59	RED	16	COOLER FAN HOT	FAN RELAY TERM 5 (87)

Main Harness Circuit List

HG1200

No.	Color	Gauge	From	To
60	YELLOW	16	LIGHT SWITCH TERM 2	DIODE MODULE TERM 2
60A	YELLOW	16	LIGHT SWITCH TERM 2	PANEL LIGHT HOT
60B	YELLOW	16	LIGHT SWITCH TERM 2	WORK LIGHT TERM A
62	GREEN	16	DIODE MODULE TERM 3	TRAILER HARNESS TERM 3
63	BLUE	16	20 AMP CIRCUIT BREAKER "AUX " TERM	TRAILER HARNESS TERM 4
64	RED	16	LH TURN/BRAKE LIGHT	TRAILER HARNESS TERM 5
65	BROWN	16	RH TURN/BRAKE LIGHT	TRAILER HARNESS TERM 6
66	LT GREEN	16	DIODE MODULE TERM 4	SPLICE TO 6A, 66B AND 66C
66A	LT GREEN	16	DIODE MODULE TERM 5	SPLICE TO 66
66B	LT GREEN	16	RH REAR RUNNING LIGHT	SPLICE TO 66B AND 6D
66C	LT GREEN	16	COMPARTMENT LIGHT	SPLICE TO 66BH AND 66H
66D	LT GREEN	16	RH TAIL LIGHT	SPLICE TO 66B AND 66E
66E	LT GREEN	16	LH TAIL LIGHT	SPLICE TO 66B AND 66F
66F	LT GREEN	16	LIC PLATE TAIL LIGHT	SPLICE TO 66F AND 66G
66G	LT GREEN	16	LH REAR RUNNING LIGHT	SPLICE TO 66F
66H	LT GREEN	16	RF RUNNING LIGHT	SPLICE TO 6C
66J	LT GREEN	16	LF SUNNING LIGHT	SPLICE TO 66C
67	GREY	16	LIGHT SWITCH TERM 1	LIGHT RELAY TERM 5 (87)
68	WHITE	16	PENDANT WHITE WIRE TERM B	WINCH VALVE TERM 1 (IN)
69	BROWN	16	PENDANT BLACK WIRE TERM C	WINCH VALVE TERM 4 (OUT)
71	PINK	16	BOOM SWITCH TERM 1	BOOM VALVE TERM 1 (DN)
72	LT BLUE	16	BOOM SWITCH TERM 3	BOOM VALVE TERM 4 (UP)
73	RED	16	BOOM SWITCH TERM 4	BOOM ALARM TERM 1
73A	RED	16	BOOM SWITCH TERM 4	BOOM SWITCH TERM 6
74	WHITE	16	TRACK SWITCH TERM 1	BOOM SWITCH TERM 6
75	PURPLE	16	TRACK SWITCH TERM 3	TRACK/AUX ENABLE
76	BLUE	16	STABILIZER SWITCH 1 TERM 2	STABILIZER VALVE 1 UP TERM 1
77	LT BLUE	16	STABILIZER SWITCH 1 TERM 3	STABILIZER VALVE 1 DN TERM 1
78	GREEN	16	STABILIZER SWITCH 2 TERM 2	STABILIZER VALVE2 UP TERM 1
79	LT GREEN	16	STABILIZER SWITCH 2 TERM 3	STABILIZER VALVE 2 DN TERM 1
80	BLACK	12	ENGINE GROUND	SPLICE TO 80A & 80B
80A	BLACK	16	GROUND BUSS 2 TERM 1	SPLICE TO 80
80B	BLACK	16	GROUND BUSS 2 TERM 2	SPLICE TO 80
81	BLACK	16	GROUND BUSS 2 TERM 3	RIGHT FRONT CLEARANCE LIGHT
82	BLACK	16	GROUND BUSS 2 TERM 4	HYD RES TEMP TERM 2
82A	BLACK	16	SPLICE 82 TO 82A	FUEL PUMP TERM 2
83	BLACK	16	GROUND BUSS 2 TERM 5	BOOM ALARM TERM 2
83A	BLACK	16	SPLICE 83 TO 83A	ESID ALARM TERM 2
84	BLACK	16	GROUND BUSS 2 TERM 6	SPLICE TO 84A, 84B, 84C, 84D

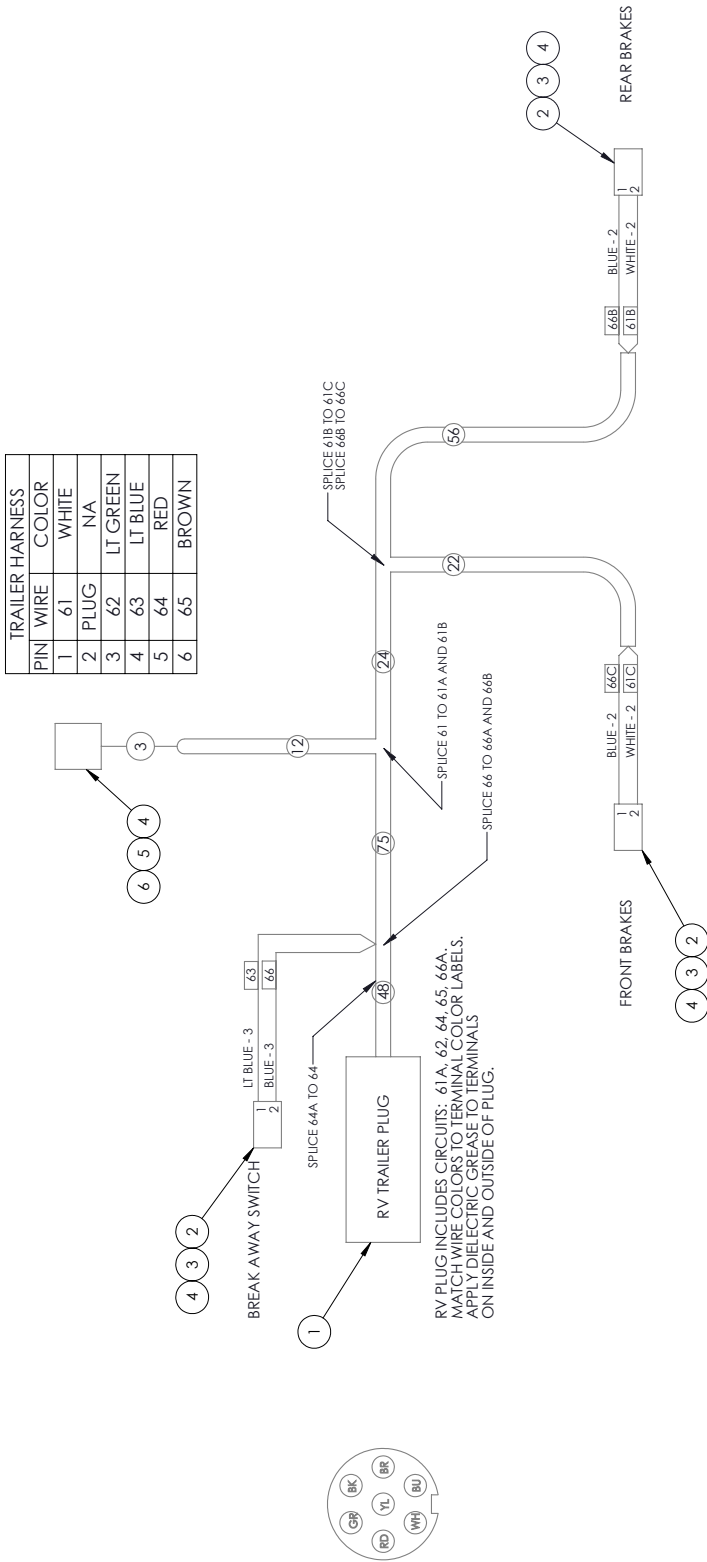
Main Harness Circuit List

HG1200

No.	Color	Gauge	From	To
85	OPEN		GROUND BUSS 2 TERM 7	OPEN
86	BLACK	16	GROUND BUSS 2 TERM 8	SPLICE TO 86A, 86B
87	BLACK	16	GROUND BUSS 2 TERM 9	SPLICE TO 87A, 87B
88	BLACK	16	GROUND BUSS 2 TERM 10	COMPARTMENT LIGHT TERM 2
88A	BLACK	16	SPLICE 88 TO 88A	STROBE TERM 2
89	BLACK	16	GROUND BUSS 2 TERM 11	COMP/LS CONTROL TERM 2
89A	BLACK	16	SPLICE 89 TO 89A	TRACKS/AUX MODE
89B	BLACK	16	SPLICE 89A TO 89B	WINCH/BOOM MODE
90	BLACK	16	GROUND BUSS 2 TERM 12	WINCH/BOOM MODE
91	BROWN	16	ESID CONNECTOR TERM 1	STROBE TERM 1
92	GREEN	16	ESID CONNECTOR TERM 5	ESID ALARM TERM 1

Electrical Schematic—Light Harness

HG1200



Electrical Schematic—Light Harness

HG1200

Item No.	Part No	Description	Qty	Remarks
1	12-706	POLLAK 7-CIRCUIT RV TRAILER PLUG	1	
2	DT04-2P	DEUTSCH 2-WAY RECEPTACLE	3	
3	W2P	DEUTSCH 2-WAY LOCK	3	
4	0460-215-16141	DEUTSCH 14-16 GA PIN	11	
5	DT04-6P	DEUTSCH 6-WAY RECEPTACLE	1	
6	W6P	DEUTSCH 6-WAY LOCK	1	

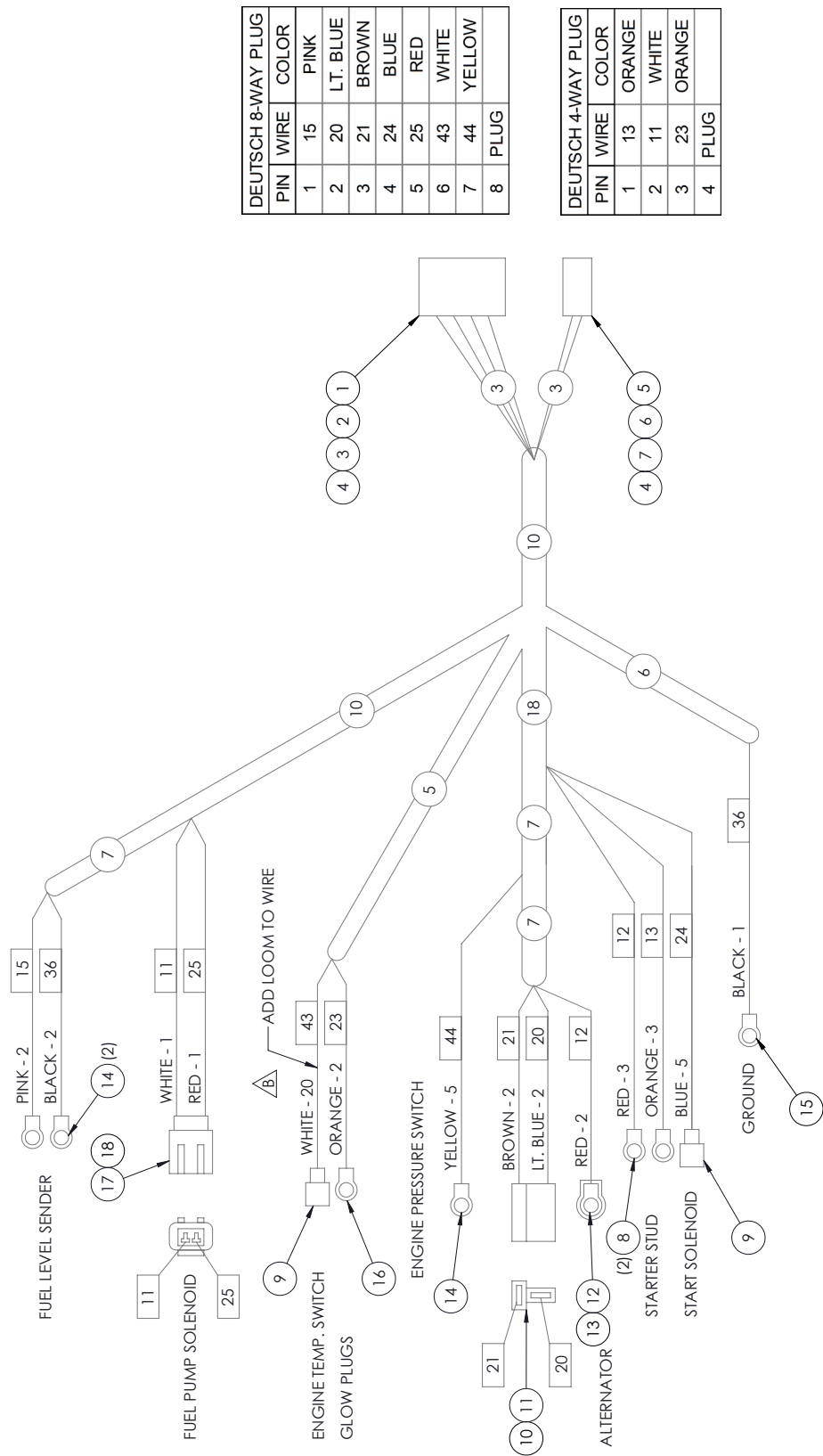
Light Harness Circuit List

HG1200

No.	Color	Gauge	From	To
61	WHITE	16	HARNESS CONNECTOR PIN 1	SPLICE TO 61A AND 61B
61A	WHITE	16	SPLICE TO 61	TRAILER CONNECTOR GROUND TERM
61B	WHITE	16	SPLICE TO 61	REAR BRAKE TERM 2
61C	WHITE	16	SPLICE TO 61B	FRONT BRAKE TERM 2
62	LT GREEN	16	HARNESS CONNECTOR PIN 3	TRAILER CONNECTOR GREEN TERM
63	LT BLUE	16	HARNESS CONNECTOR PIN 4	BREAK AWAY SWITCH TERM 1
64	RED	16	HARNESS CONNECTOR PIN 5	TRAILER CONNECTOR RED TERM
65	BROWN	16	HARNESS CONNECTOR PIN 6	TRAILER CONNECTOR BROWN TERM
66	BLUE	16	BREAK AWAY SWITCH TERM 2	SPLICE TO 66A AND 66B
66A	BLUE	16	SPLICE TO 66	TRAILER PLUG BLUE TERM
66B	BLUE	16	66B	SPLICE TO 66C
66B	BLUE	16	SPLICE TO 66	REAR BRAKE TERM 1
66C	BLUE	16	SPLICE TO 66	FRONT BRAKE TERM 1

Electrical Schematic—Engine Harness

HG1200



Electrical Schematic—Engine Harness

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	DT06-8S	DEUTSCH 8-WAY PLUG	1	
2	W8S	DEUTSCH 8-WAY LOCK	1	
3	0462-209-16141	DEUTSCH 14-16 GA OR 16-18 GA SOCKET	7	
4	114017	DEUTSCH SEALING PLUG	2	
5	DTP06-4S	DEUTSCH 4-WAY PLUG	2	
6	WP-4S	DEUTSCH 4-WAY LOCK	1	
7	0462-203-12	DEUSTCH 12-14 GA SOCKET	3	
8	SAE B206 EYELET	5/16" SCREW, 10-12 GA WIRE	2	
9	AMP 63097-1	FEMALE 1/4" POSITIVE LOCK TERM 14-18 GA WIRE	2	
10	19838-65831	KUBOTA 2-WAY CONNECTOR BODY	1	
11	7123-2128	YAZAKI TERMINAL	2	
12	SAE B205 EYELET	1/4" SCREW, 10-12 GA WIRE	1	
13	VTE #212	RED COLOR STUD BOOT (.47 IS, .87 TALL STUD)	1	
14	SAE B104 EYELET	#10 SCREW, 14-16 GA WIRE	3	
15	AMP 61336-1	3/8" SCREW, 16 GA WIRE	1	
16	SAE B204 EYELET	#10 SCREW, 10-12 GA WIRE	1	
17	1C010-65831	KUBOTA 2-WAY CONNECTOR BODY	1	
18		KUBOTA TERMINAL (FEMALE BLADE)	2	

Not Shown:

Footnotes:

Notes:

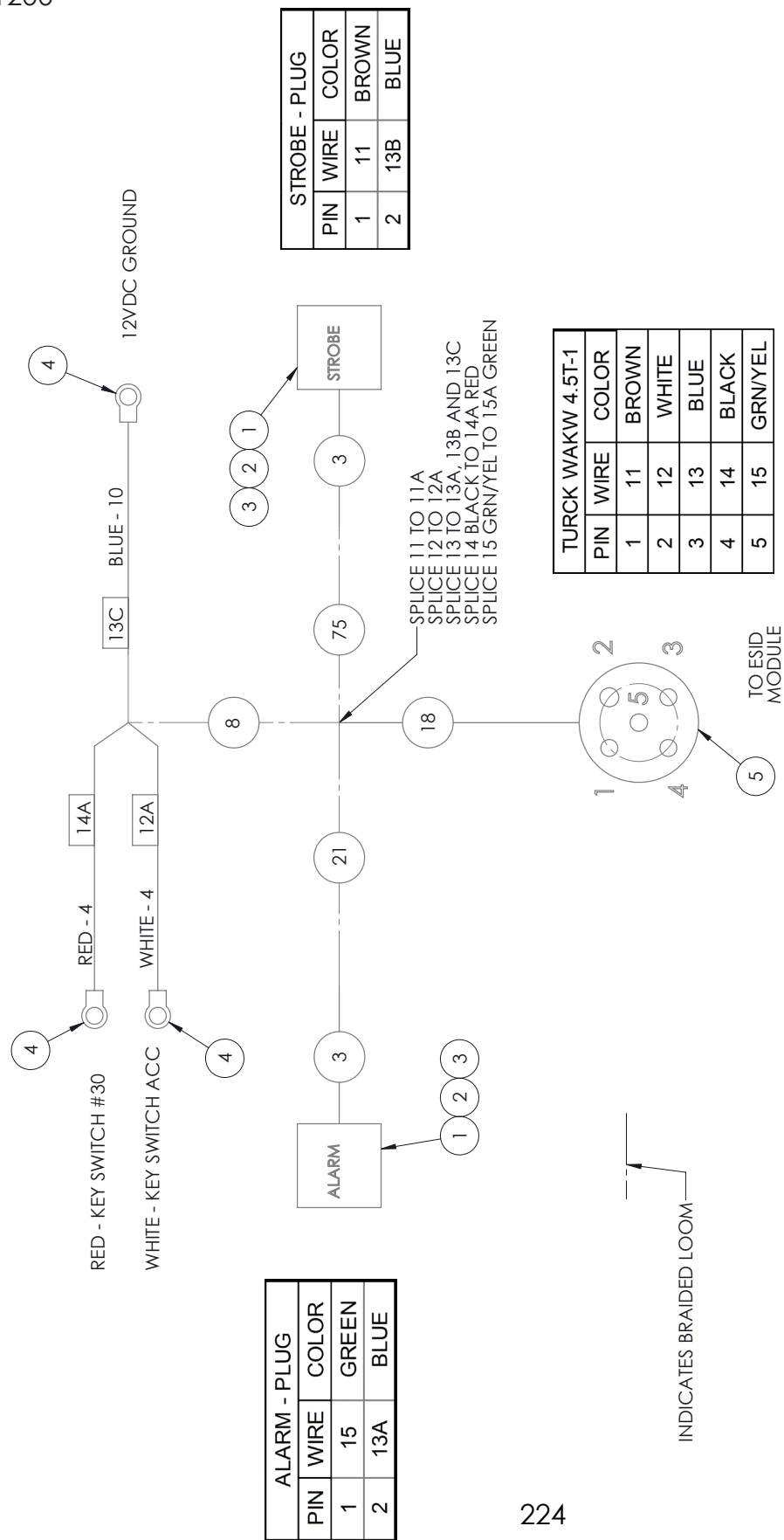
Engine Harness Circuit List

HG1200

No.	Color	Gauge	From	To
11	WHITE	14	DEUTSCH 4-WAY PLUG TERM 2	FUEL SOLENOID "PULL" TERMINAL
12	RED	12	STARTER POST	ALTERNATOR TERMINAL B
13	ORANGE	12	DEUTSCH 4-WAY PLUG TERM 1	STARTER POST
15	PINK	16	DEUTSCH 8-WAY PLUG TERM 1	FUEL LEVEL SENDER SIGNAL
20	LT. BLUE	16	DEUTSCH 8-WAY PLUG TERM 2	ALTERNATOR TERMINAL L
21	BROWN	16	DEUTSCH 8-WAY PLUG TERM 3	ALTERNATOR TERMINAL IG
23	ORANGE	12	DEUTSCH 4-WAY PLUG TERM 3	GLOW PLUGS
24	BLUE	16	DEUTSCH 8-WAY PLUG TERM 4	STARTER TERMINAL ST
25	RED	16	DEUTSCH 8-WAY PLUG TERM 5	FUEL SOLENOID "HOLD" TERMINAL
36	BLACK	16	FUEL LEVEL SENSOR GROUND	GROUND
43	WHITE	16	DEUTSCH 8-WAY PLUG TERM 6	ENGINE TEMPERATURE SWITCH
44	YELLOW	16	DEUTSCH 8-WAY PLUG TERM 7	ENGINE PRESSURE SWITCH

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Electrical Schematic—ESID Harness
HG1200



Electrical Schematic—ESID Harness

HG1200

Bom ID	Part No	Description	Qty	Remarks
1	DT06-2S	DEUTSCH 2-WAY PLUG	2	
2	W2S	DEUTSCH 2-WAY LOCK	2	
3	0462-209-16141	DEUTSCH 14-16 GA or 16-18 SOCKET	4	
4	SAE B104 EYELET	#10 SCREW, 14-16 GA WIRE	3	
5	WAKW 4.5T-5	TURCK FEMALE 5 CONNECTOR WITH CABLE	1	

Not Shown:

Footnotes:

Notes:

ESID Harness Circuit List

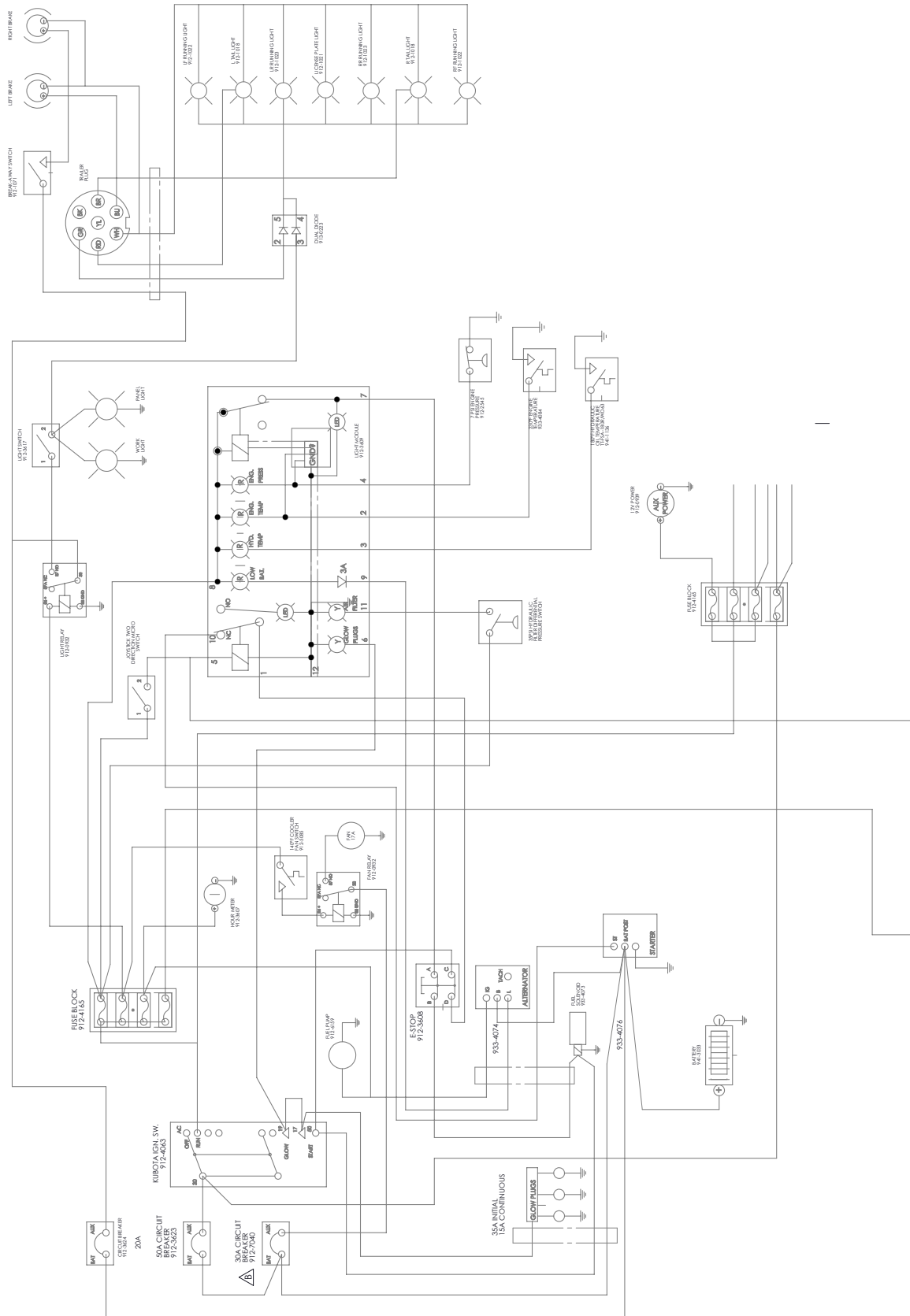
HG1200

No.	Color	Gauge	From	To
11	BROWN	22	TURCK PIN 1	SPLICE TO 11A
11A	BROWN	16	SPLICE 11 TO 11A	STROBE PLUG TERM 1
12	WHITE	22	TURCK PIN 2	SPLICE 12 TO 12A
12A	WHITE	16	SPLICE 12 TO 12A	KEY SWITCH TERM 30
13	BLUE	22	TURCK PIN 3	SPLICE 13 TO 13A, 13B, 13C
13A	BLUE	16	SPLICE 13	ALARM TERM 2
13B	BLUE	16	SPLICE 13	STROBE PLUG TERM 2
13C	BLUE	17	SPLICE 14	12VDC OUTLET GROUND
14	BLACK	22	TURCK PIN 4	SPLICE 14 TO 14A
14A	RED	16	SPLICE 14	KEY SWITCH ACC TERM
15	GRN/YEL	22	TURCK PIN 5	SPLICE 15 TO 15A
15A	GREEN	16	SPLICE 15	ALARM TERM 1

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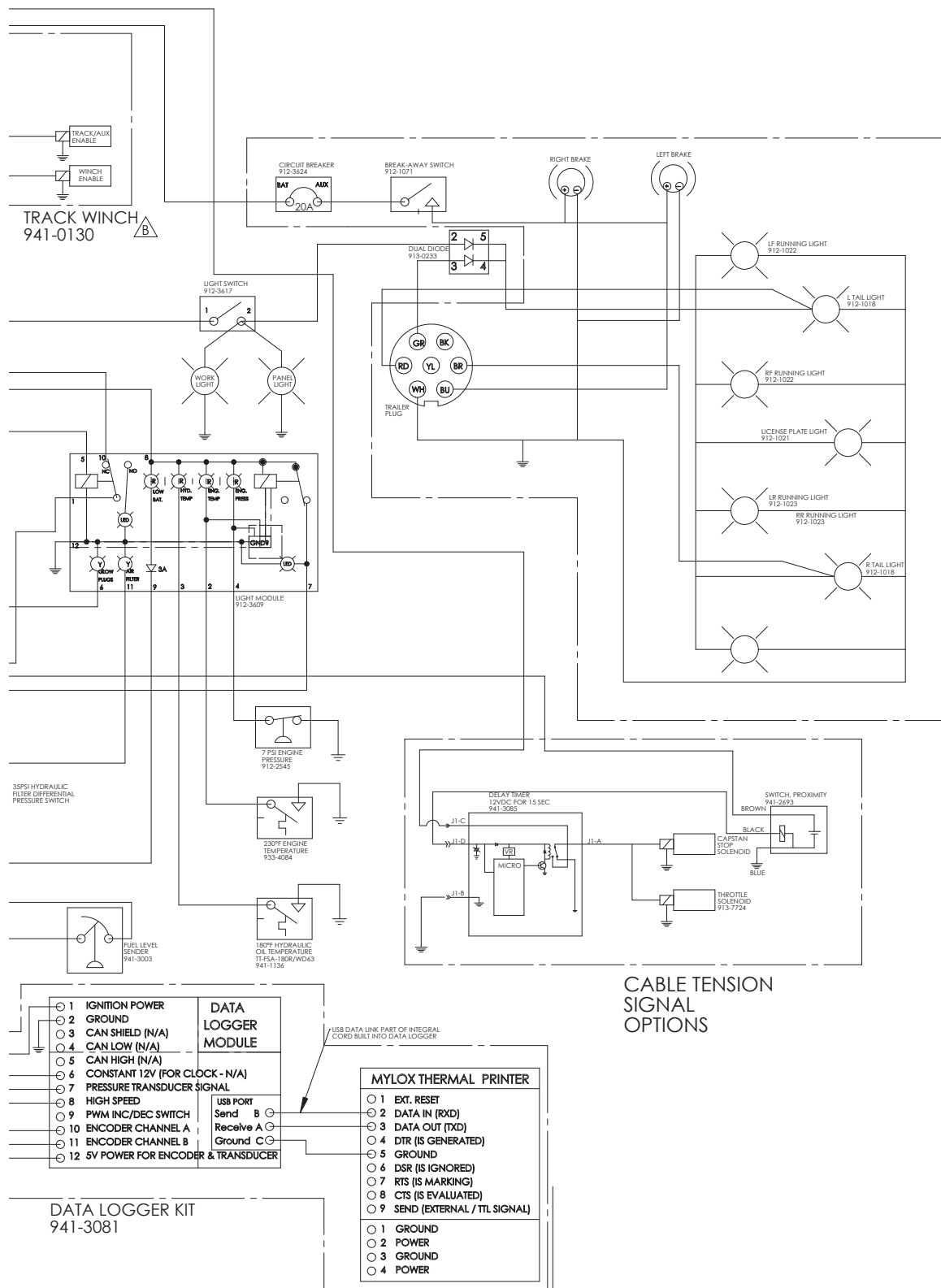
Electrical Schematic

HG1200

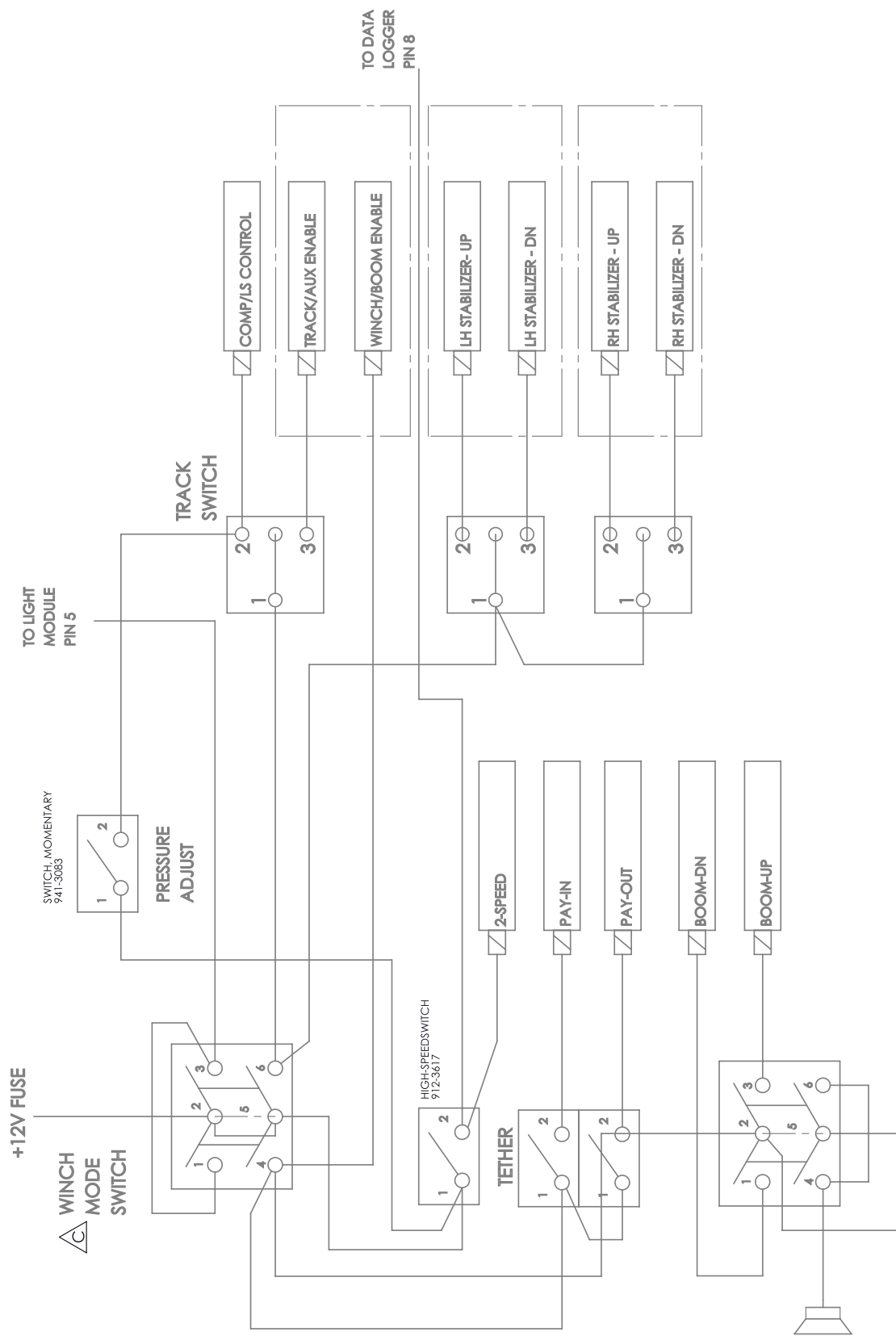


Electrical Schematic

HG1200



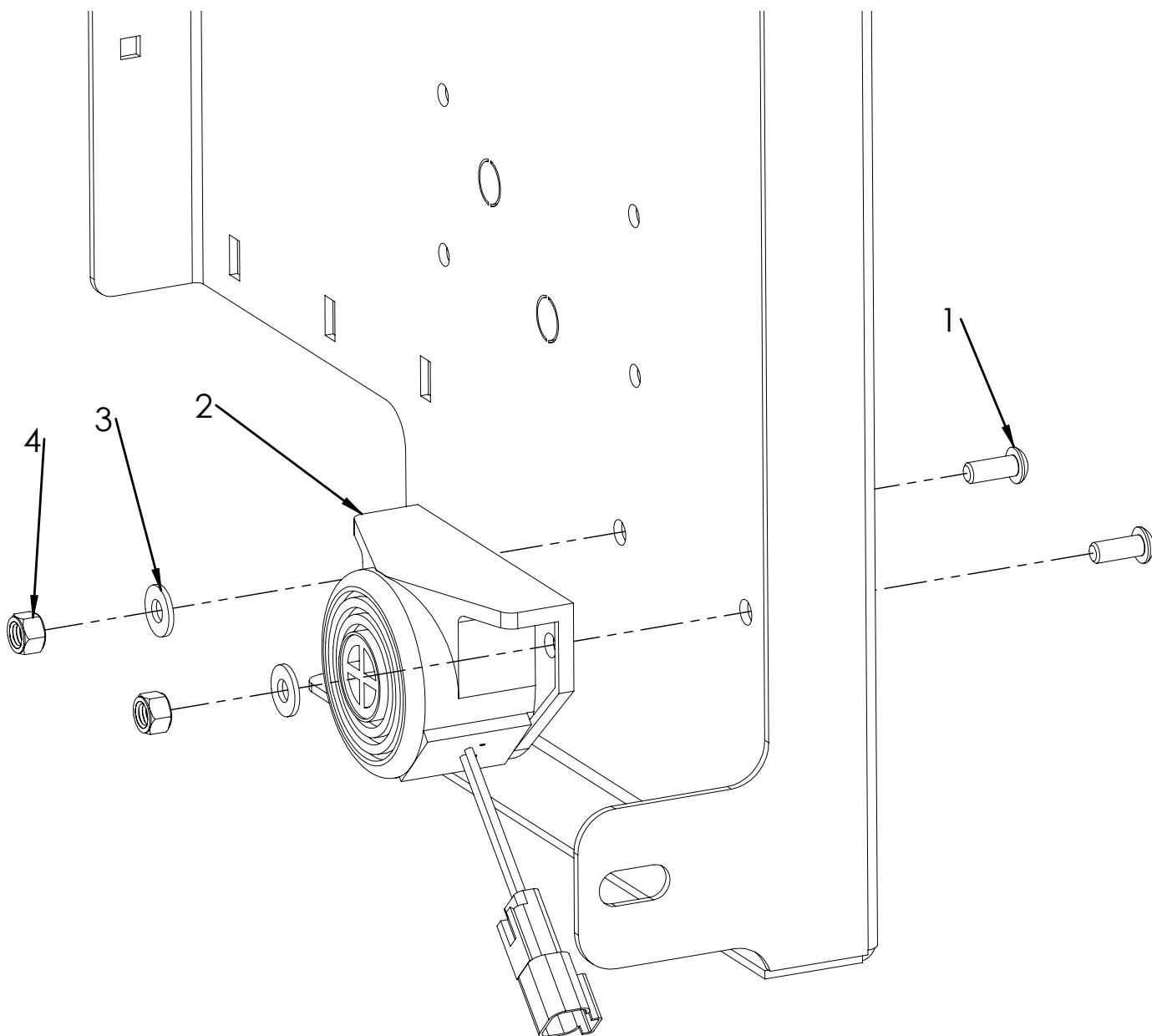
Electrical Schematic
HG1200



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Backup Alarm

HG1200



Backup Alarm
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	04BH10	SCREW, 1/4-20 x 0.625 BHSC	2	
2	912-5087	BACK-UP ALARM ASSEMBLY	1	
3	04FW-SAE	WASHER, 1/4"	2	
4	04TLN	NUT, 1/4-20 TOP LOCK	2	

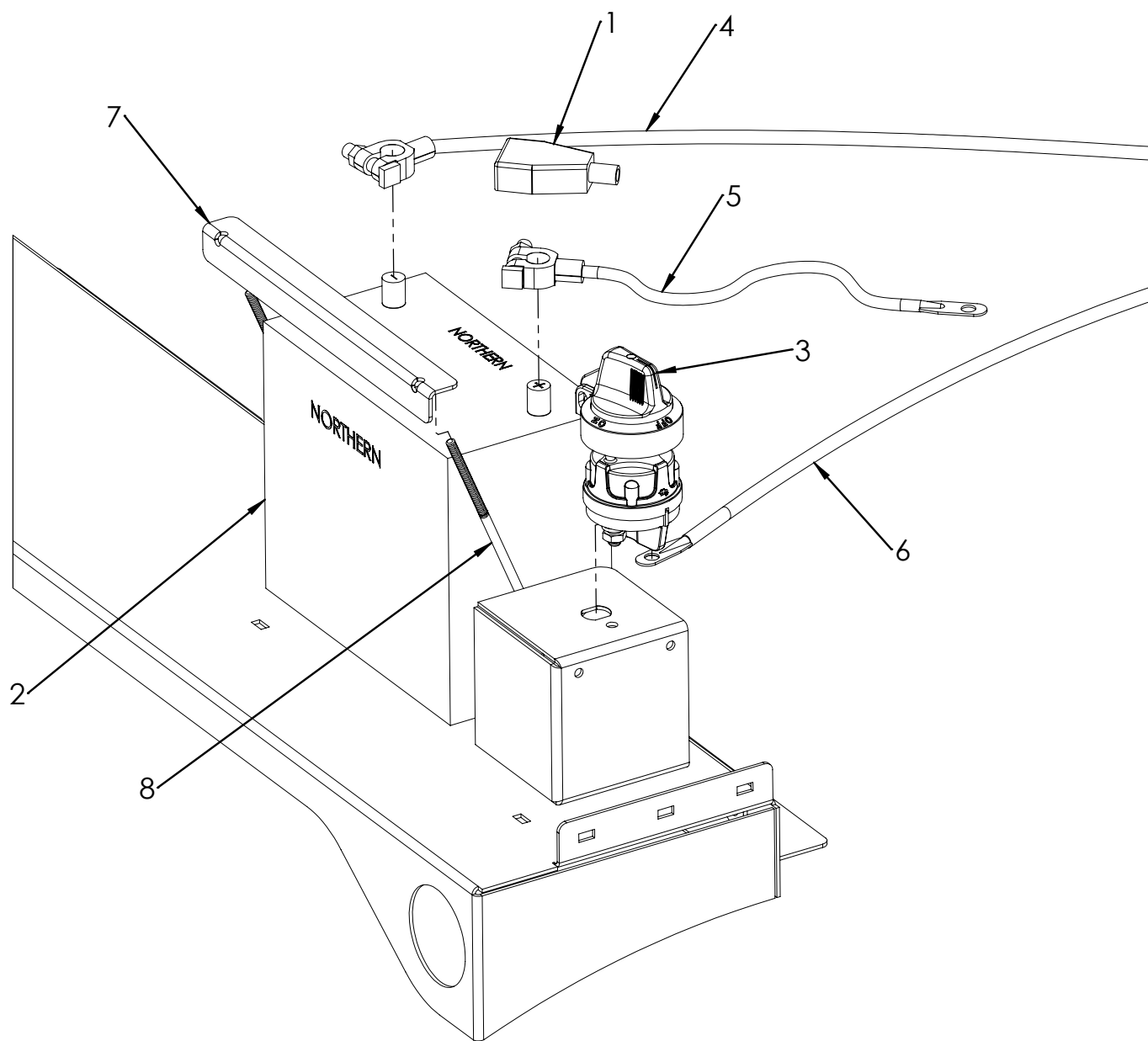
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Footnotes:

Notes:

Battery Disconnect

HG1200



Battery Disconnect

HG1200

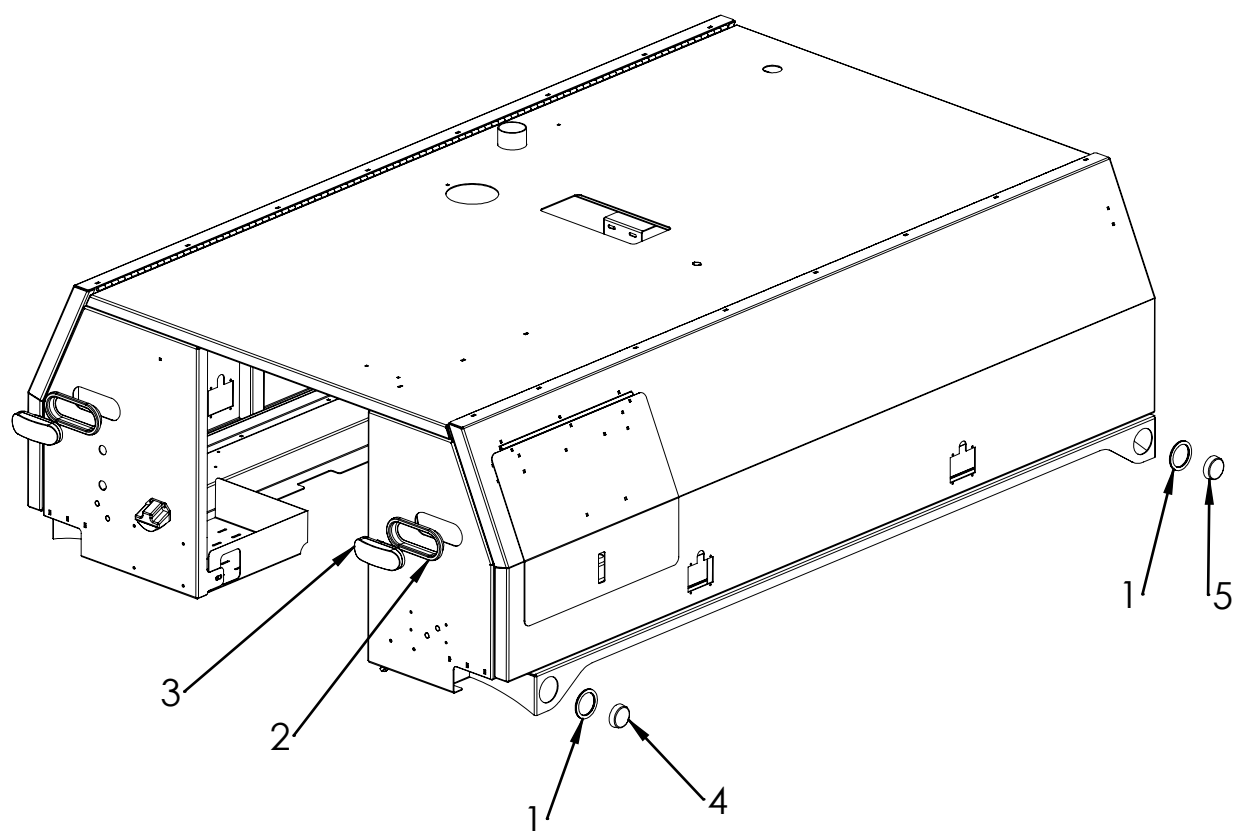
Bom ID	Part No	Description	Qty	Remarks
1	912-1164	BOOT, STRAIGHT CLAMP	1	
2	941-3033	BATTERY, 12V GROUP 51	1	
3	215-0025	MASTER DISCONNECT SWITCH (300A)	1	
4	941-3054	CABLE BATTERY, NEG 4 GA 78"	1	
5	913-7041	BATTERY CABLE, 4 ga POSITIVE	1	
6	941-3057	CABLE, ALTERNATOR, 4GA 75"	1	
7	912-6280	BRACKET, BATTERY	1	
8	913-0045	BOLT, J 1/4-20 X 9"	2	

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Footnotes:

Notes:

Lights
HG1200



Lights
HG1200

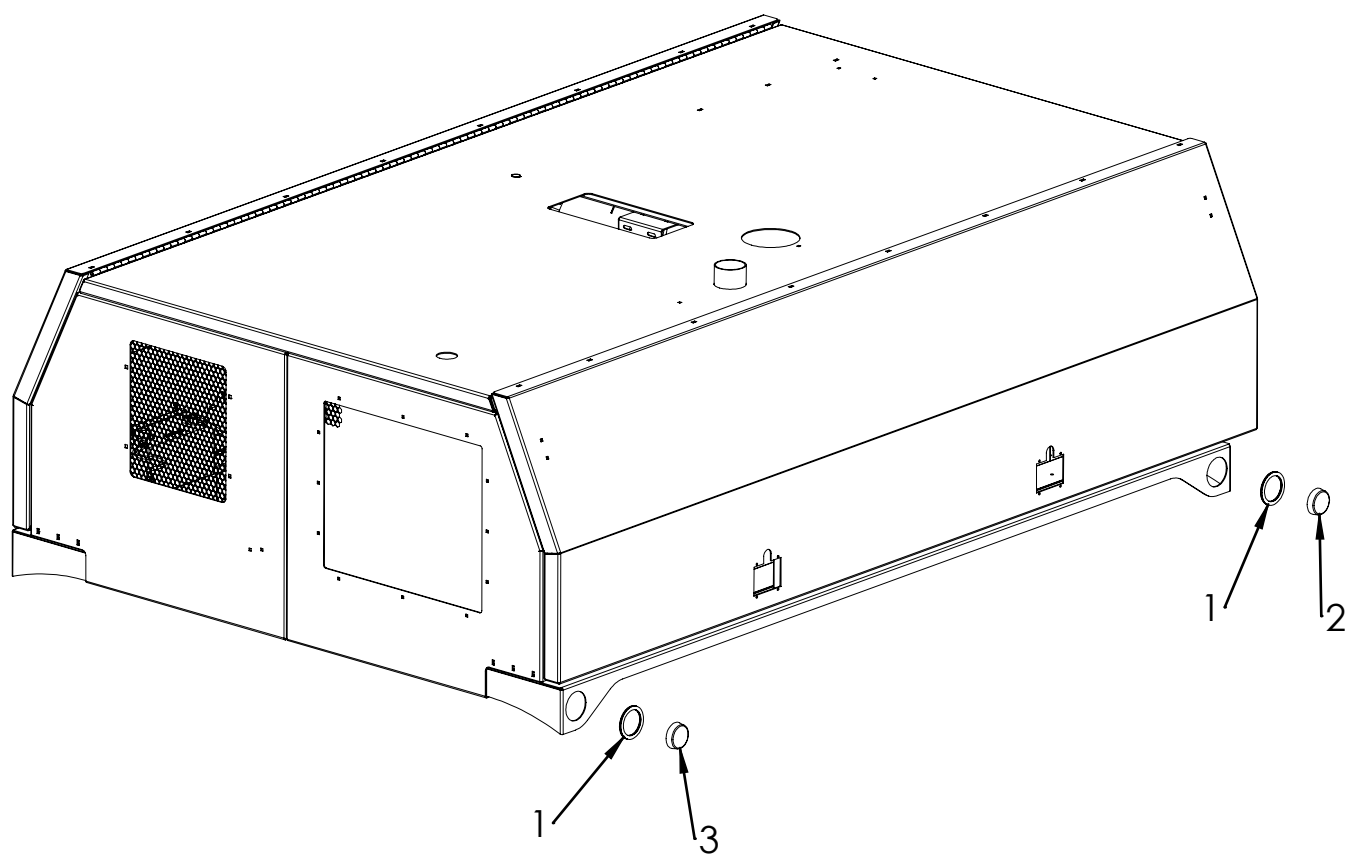
Bom ID	Part No	Description	Qty	Remarks
1	912-1024	GROMMET, 2.5" ROUND	2	
2	912-1019	GROMMET OVAL TAILLIGHT	2	
3	941-7408	LIGHT, LED 6.5 RED	2	
4	941-6944	LIGHT, LED 2.5 RED	1	
5	941-6945	LIGHT, LED 2.5 AMBER	1	

Not Shown:

Footnotes:

Notes:

Lights
HG1200



Lights
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-1024	GROMMET, 2.5" ROUND	2	
2	941-6944	LIGHT, LED 2.5 RED	1	
3	941-6945	LIGHT, LED 2.5 AMBER	1	

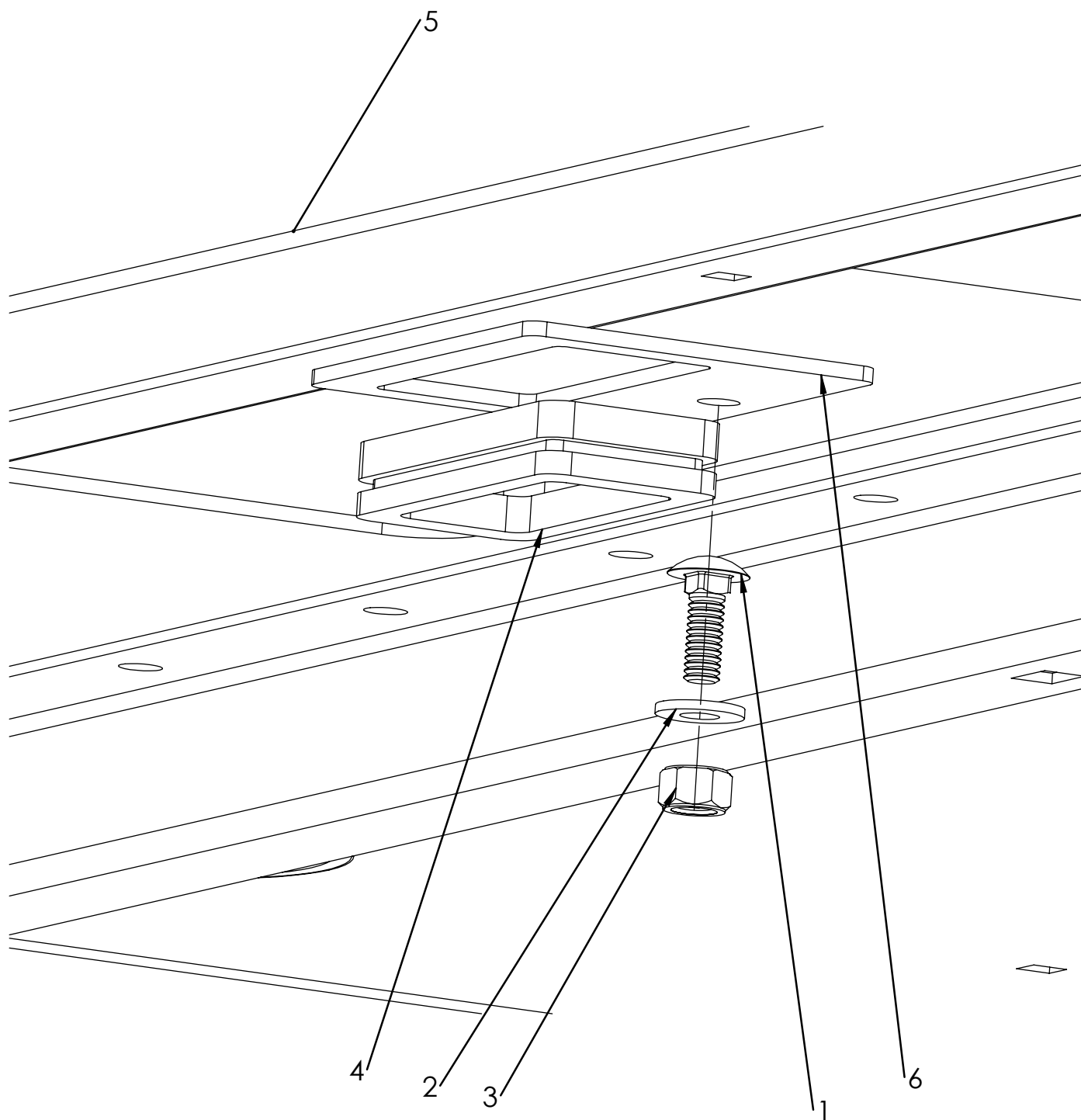
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Footnotes:

Notes:

Interior Lights

HG1200



Interior Lights

HG1200

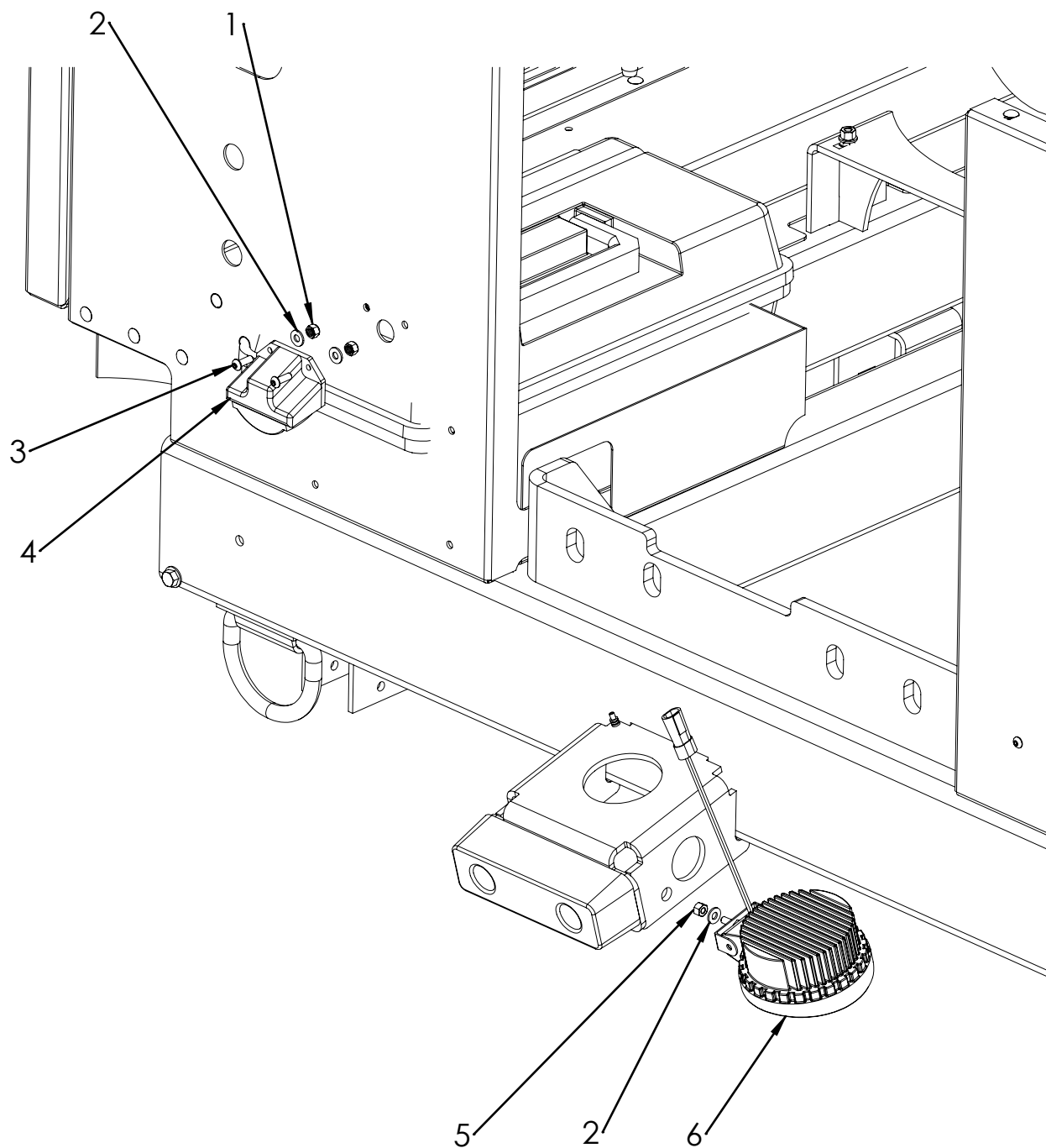
Bom ID	Part No	Description	Qty	Remarks
1	04CB12	BOLT, 1/4-20 x .75 CARRIAGE	1	
2	04FW-SAE	WASHER, 1/4"	1	
3	04TLN	NUT, 1/4-20 TOP LOCK	1	
4	941-3015	GROMMET, LIGHT	1	
5	912-6264	ROOF WELDMENT	1	
6	912-6272	MOUNT LIGHT	1	

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Footnotes:

Notes:

Rear Electrical HG1200



Rear Electrical

HG1200

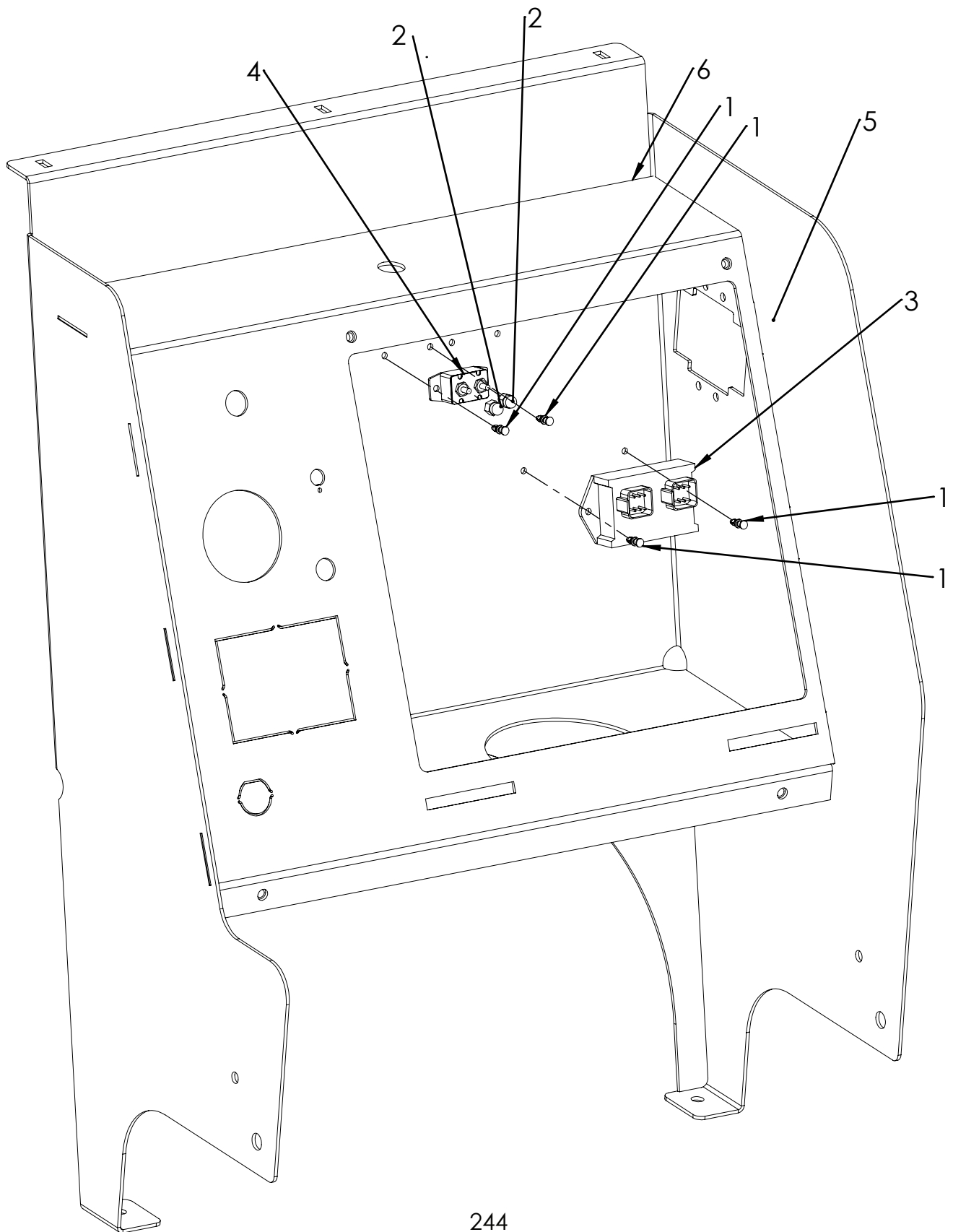
Bom ID	Part No	Description	Qty	Remarks
1	04TLN	NUT, 1/4-20 TOP LOCK	2	
2	04FW-SAE	WASHER, 1/4"	2	
3	04BH12	SCREW, 1/4-20 x 0.75 BHSC	2	
4	912-1021	LAMP ASSEMBLY, LICENSE PLATE	1	
5	04TLN	NUT, 1/4-20 TOP LOCK	1	
6	941-7728	WORK LIGHT, BOLT MOUNT	1	

Not Shown:

Footnotes:

Notes:

Relay and 50 Amp Circuit Breaker HG1200



Relay and 50 Amp Circuit Breaker
HG1200

Bom ID	Part No	Description	Qty	Remarks
1	912-6291	FASTENER, CAPTIVE PANEL	4	
2	941-3023	NUT, NYLON CAP	2	
3	912-3610	MODULE, DUAL RELAY	1	
4	912-3623	CIRCUIT BREAKER 50 AMP	1	
5	912-6271	CONTROL PANEL, BASE	1	
6	912-6273	CONTROL PANEL, BACKER	1	

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Footnotes:

Notes:

Notes

MISCELLANEOUS

SAE Bolt and Nut Torque Value Chart

Grade 5: UNC or UNF Thread

Size	Coarse		Fine	
	ft-lb	N-m	ft-lb	N-m
1/4	6	8.5	8	11
5/16	13	18	15	20.5
3/8	25	35	30	40
7/16	40	55	45	60
1/2	60	80	70	95
9/16	90	120	950	130
5/8	120	165	145	200
3/4	210	285	240	325
7/8	320	435	350	475
1	480	650	560	760
1-1/8	700	950	780	1060
1-1/4	1020	1385	1100	1545

Grade 8: UNC or UNF Thread

Size	Coarse		Fine	
	ft-lb	N-m	ft-lb	N-m
1/4	10	13	11	15
5/16	20	27	22	29.5
3/8	35	47	40	55
7/16	55	75	65	88
1/2	90	120	95	130
9/16	120	165	135	185
5/8	180	245	195	265
3/4	300	405	340	460
7/8	500	680	560	760
1	800	1085	920	1250
1-1/8	1180	1600	1340	1815
1-1/4	1720	2330	1900	2575

Metric Bolt and Cap Screw Torque Values

Size	Class 4.8				Class 8.8 and 9.8				Class 10.9				Class 12.9			
	Lubricated		Dry		Lubricated		Dry		Lubricated		Dry		Lubricated		Dry	
	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb	N-m	ft-lb
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1600	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

Do not use these values if a different torque value or tightening procedure is given for specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class fasteners.

Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to strength of original.

Make sure fastener threads are clean and that the threads are properly started. This will prevent them from cross threading or galling when tightened.

Tighten plastic insert or crimped type steel locknuts to approximately 50% of dry torque indicated on chart. Apply torque to the nut – not the bolt head. Tighten toothed or serrated type locknuts to full torque value.

LUBRICATED means coated with lubricant. DRY means plain or zinc plated without any type of lubricant.

Torque Standards Hydraulic Fittings

O-Ring Boss Fittings

						ASSEMBLY TORQUE (+10% -0)							
DASH SIZE	NOMINAL SIZE (IN)	SAE SIZE	FEMALE THREAD	MALE THREAD	O-RING	O-RING BOSS		O-RING BOSS		HOLLOW HEX		HEX HEAD	
						NON-ADJUSTABLE		ADJUSTABLE		PLUGS			
			I.D. (IN)	O.D. (IN)	I.D. (IN)	ft-lbs (in-lbs)	N-m	ft-lbs (in-lbs)	N-m	ft-lbs (in-lbs)	N-m	ft-lbs (in-lbs)	N-m
-2	1/8	5/16-24	17/64	5/16	17/64	-	-	-	-	(30)	4	(85)	10
-3	3/16	3/8-24	21/64	3/8	21/64	-	-	-	-	(55)	6	(155)	18
-4	1/4	7/16-20	25/64	7/16	25/64	26	35	(180)	20	(120)	14	22	29
-5	5/16	1/2-20	29/64	1/2	29/64	30	40	30	40	(170)	19	23	32
-6	3/8	9/16-18	1/2	9/16	1/2	35	46	35	46	34	46	29	40
-8	1/2	3/4-16	11/16	3/4	11/16	60	80	60	80	60	80	52	70
-10	5/8	7/8-14	13/16	7/8	13/16	100	135	100	135	100	135	85	115
-12	3/4	1-1/16-12	31/32	1-1/16	31/32	135	185	135	185	135	185	135	183
-14	7/8	1-3/16-12	1-7/64	1-3/16	1-7/64	175	235	175	235	175	235	175	237
-16	1	1-5/16-12	1-15/64	1-5/16	1-15/64	200	270	200	270	200	270	200	271
-20	1-1/4	1-5/8-12	1-35/64	1-5/8	1-35/64	250	340	250	340	250	340	250	339
-24	1-1/2	1-7/8-12	1-51/64	1-7/8	1-51/64	305	415	305	415	305	415	305	414
-32	2	2-1/2-12	2-27/64	2-1/2	2-27/64	375	510	375	510	375	510	375	509

O-Ring Face Seal Fittings

DASH SIZE	NOMINAL SIZE (IN)	THREAD SIZE	FEMALE THREAD	MALE THREAD	ASSEMBLY TORQUE (+10% -0) (PRIMARY METHOD)		FLATS FROM WRENCH RESISTANCE (FFWR) (SECONDARY METHOD)		O-RING
					ft-lb	N-m	TUBE NUTS	SWIVEL & HOSE	
			I.D. (IN)	O.D. (IN)					I.D. (IN)
-4	1/4	9/16-18	1/2	9/16	18	25	1/2	3/4	5/16
-6	3/8	11/16-16	11/16	11/16	30	40	1/2	3/4	3/8
-8	1/2	13/16-16	3/4	13/16	40	55	1/2	3/4	1/2
-10	5/8	1-14	13/16	1	60	80	1/2	3/4	5/8
-12	3/4	1-3/16-12	1-7/64	1-3/16	85	115	1/2	1/2	3/4
-16	1	1-7/16-12	1-23/64	1-7/16	110	150	1/2	1/2	15/16
-20	1-1/4	1-11/16-12	1-19/32	1-11/16	150	205	1/2	1/2	1-3/16
-24	1-1/2	2-12	1-59/64	2	230	315	1/2	1/2	1-1/2

Ensure the threads and sealing surfaces are free from nicks, burrs, scratches or any foreign material. Lubricate the o-ring with a light coat of oil. To tighten adjustable o-ring fittings, hold the fitting and tighten the nut. To tighten non-adjustable o-ring fittings, tighten the fitting. When tightening together fittings with dissimilar coatings, torque to 115% of maximum recommended torque value for a given size.

Torque Standards Hydraulic Fittings

Pipe Fittings

Nom. SAE Dash Size	Fractional Size	Threads per Inch	Turns from Finger Tight
2	1/8	27	2-3
4	1/4	18	2-3
6	3/8	18	2-3
8	1/2	14	2-3
12	3/4	14	2-3
16	1	11-1/2	1.5-2.5
20	1-1/4	11-1/2	1.5-2.5
24	1-1/2	11-1/2	1.5-2.5
32	2	11-1/2	1.5-2.5

