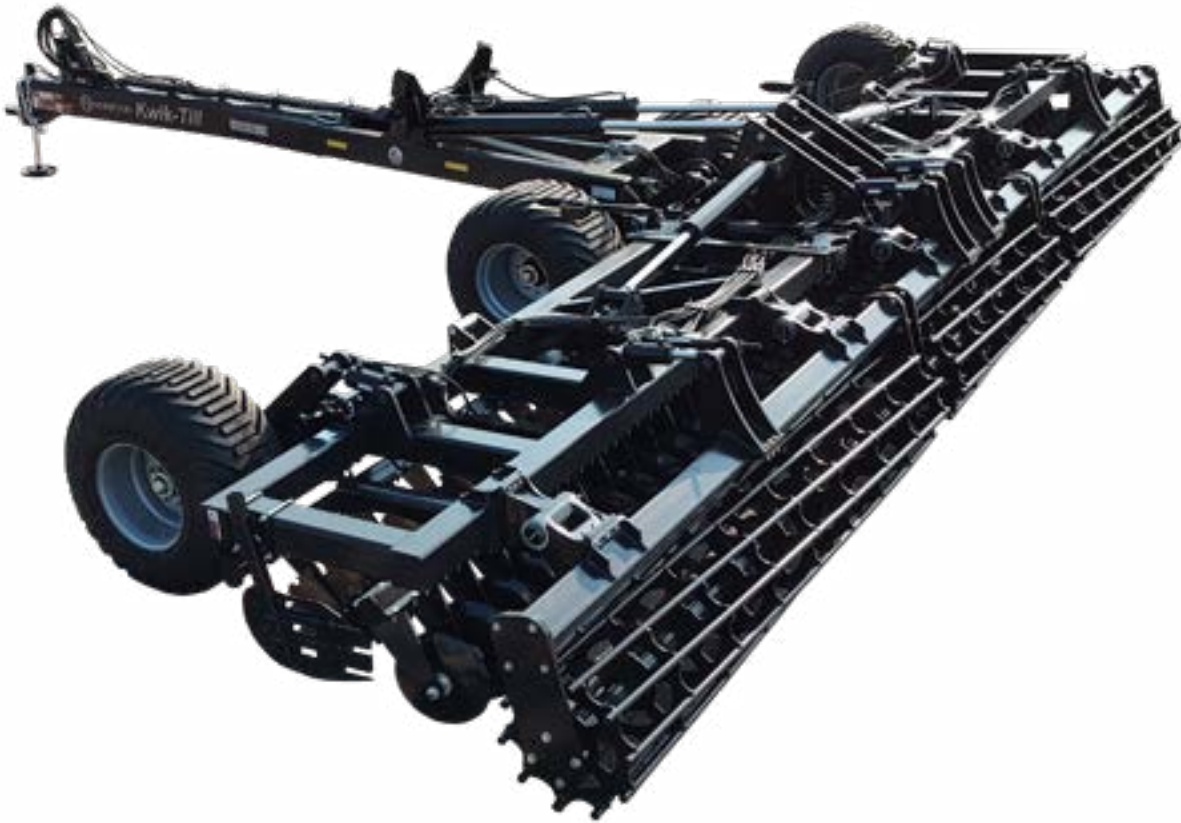


Kwik-Till



Kwik-Till 3-Section Drawn Parts Catalog

Models:

**HSD2600NT, HSD2900NT, HSD3250NT,
HSD3600NT, & HSD3900NT, HSD3600,
HSD3900, HSD4250, HSD4600**

Disclaimer

This document is based on information available at the time of its publication. While efforts have been made to be accurate, the information contained herein does not purport to cover all details or variations, nor to provide for every possible contingency in connection with installation, operation, or maintenance. Features may be described herein which are not present in all systems. Norwood Sales Inc. assumes no obligation of notice to holders of this document with respect to changes subsequently made.

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American Society of
Agricultural and Biological Engineers

Read and Understand



Read and follow all instructions and safety precautions in this manual and all other manuals for products associated with this machine as well as in all on-product warning decals. Failure to do so could result in death or serious injury, or property damage. Contact your Norwood dealer if any of your manuals are missing or illegible or you have questions.

Preface

This manual is intended for use with the following Kwik-Till models:

HSD2600NT, HSD2900NT, HSD3250NT, HSD3600NT, HSD3900NT, HSD3600, HSD3900, HSD4250, HSD4600

Revision History

Issue	Date	Reasons for Change
55-5-00331	October 1th 2024	Initial Release

HOW TO USE THIS CATALOG AND LOCATE PARTS

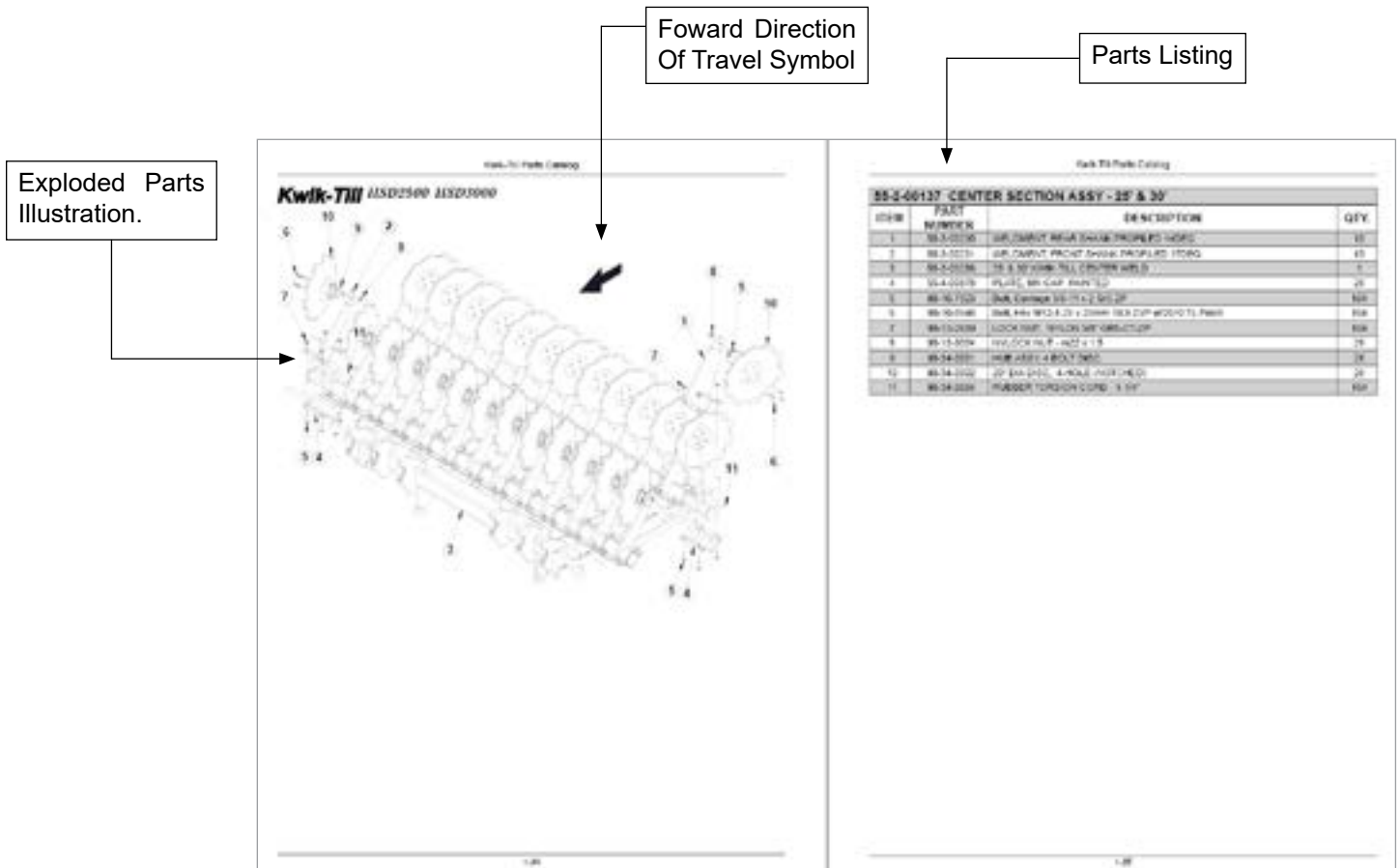
This catalog is organized from a larger assembly, down to a smaller assembly. The exploded parts illustration will be shown on the left page, and the parts listing will be on the right page throughout this catalog.

Option 1:

From the contents page of the parts catalog, select the category which would most logically contain the part to be found. If you are viewing this document electronically, then click on the hyperlink of the page number you wish to navigate to, and the hyperlink will take you to that page.

Option 2:

If the part number is known but the applications and/or locations need to be determined, refer to the numerical index at the back of this catalog. The index shows the **Part Number**, **Description**, and **Page Number(s)** that the item or items are contained on. If you are viewing this document electronically, then click on the hyperlink of the page number you wish to navigate to, and the hyperlink will take you to that page.



Determining Orientation:

Front, Back, Left, and Right are determined by the operator sitting in the tractor seat facing the forward direction of travel. The symbols shown below, will be on certain pages in this Parts Catalog, and where indicated, determine the front of the machine.



Parts ordering information:

If you need service or parts for your machine:

For service assistance or parts, contact your nearest authorized Norwood dealer. Your nearest authorized Norwood dealer will need to know the model number, and your serial number of your machine to provide the most efficient service. See the following page for information on how to identify and record the model number, and serial number of your machine.

Replacement Parts:

Only genuine Norwood replacement parts should be used to service or repair the machine. Norwood replacement parts are available from your Norwood Dealer. To obtain prompt, efficient service, remember to give the Dealer the correct part number, description and quantity.

When ordering parts for your machine, please provide the following:

1. The PART NUMBER of the part.
3. The PART DESCRIPTION.
4. The QUANTITY needed.

Kwik-Till Operator's Manual Location

This Operator's manual is to be stored in the "Operator's Manual Canister" on the right side of the machine on the hose holder bracket for reference during field operation. (See Fig. # 1-1) Make sure this manual is complete and in good condition. Contact your dealer to obtain additional manuals and approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your Kwik-Till.

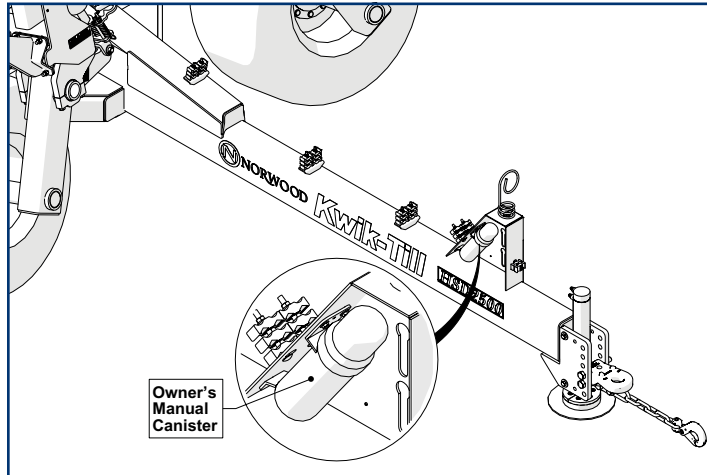


Fig. # 1-1 Locating The Operator's Manual Canister

Model Number / Serial Number Location

Always give your authorized Kwik-Till dealer the **Model Number**, and **Serial Number** of your Kwik-Till product when ordering parts, requesting service, or any other information to provide the most efficient service.

The **Serial Number** location is identified below. (See Fig. # 1-2)

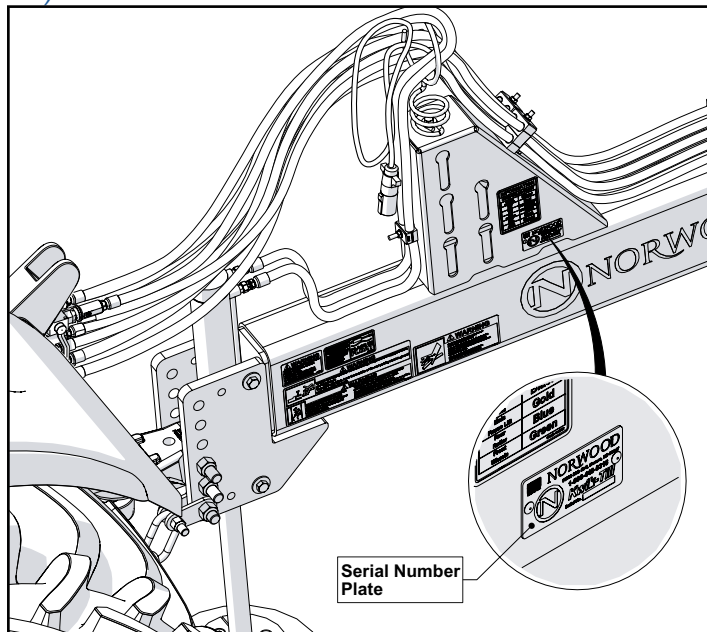


Fig. # 1-2 Locating The Serial Number Plate

The **Model Number** location is indicated below. (See Fig. # 1-3)

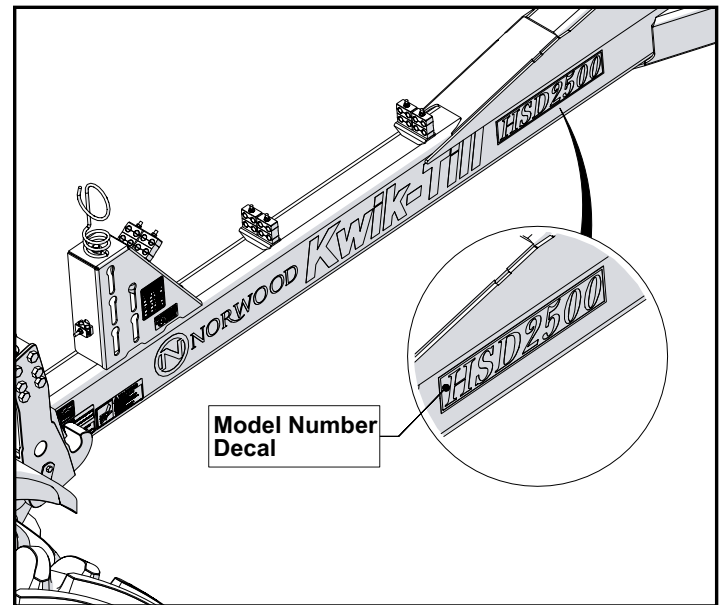


Fig. # 1-3 Locating Model Number Decal

Make a copy of the number below and keep in a safe place. If the machine is stolen, report the information below to your local law enforcement agency.

Write the **Model Number**, **Serial Number**, & **Date Of Purchase** on the lines provided.

Model Number: _____

Serial Number: _____

Date Of Purchase: _____

Contents

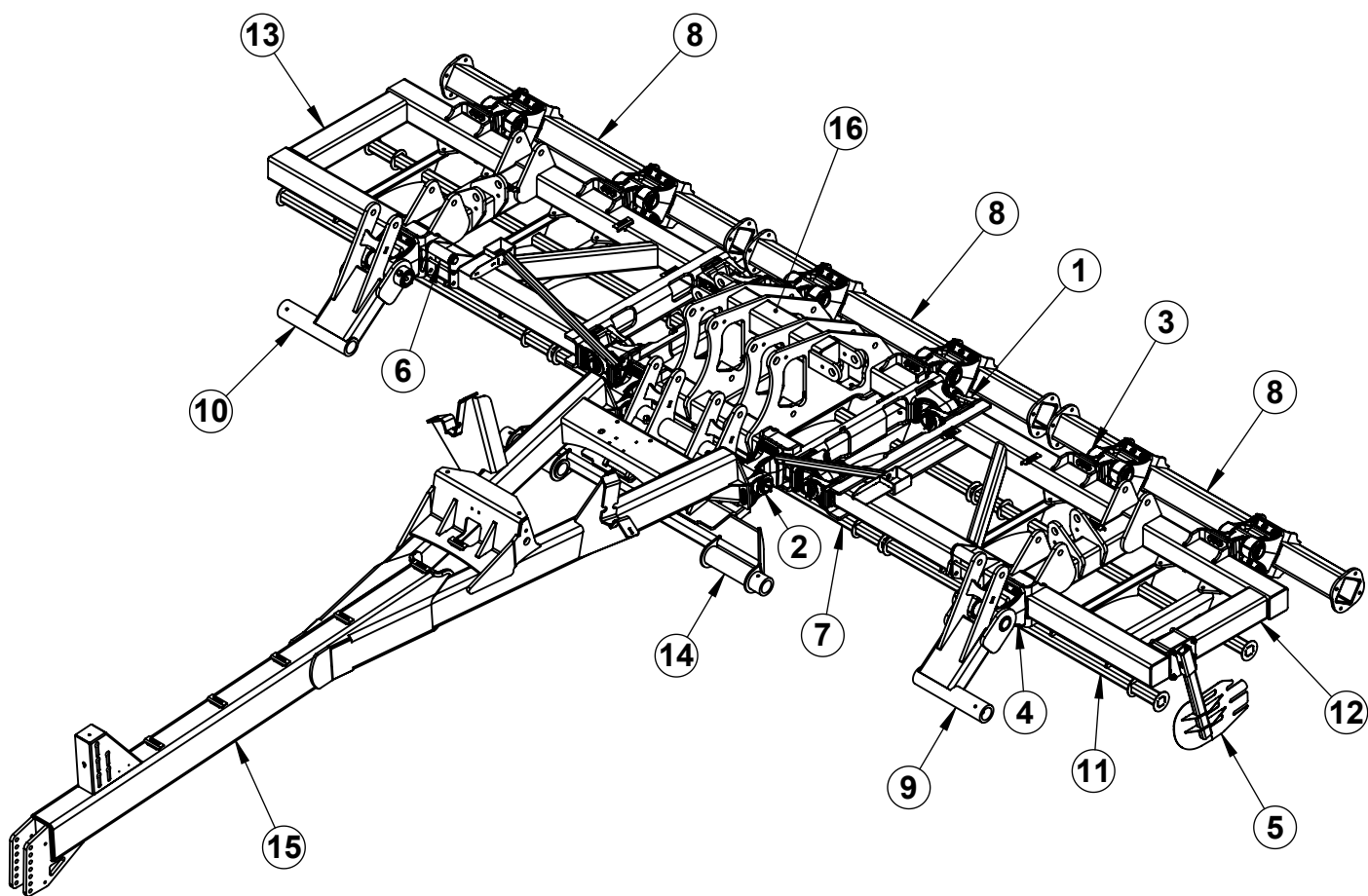
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Kwik-Till Parts Catalog

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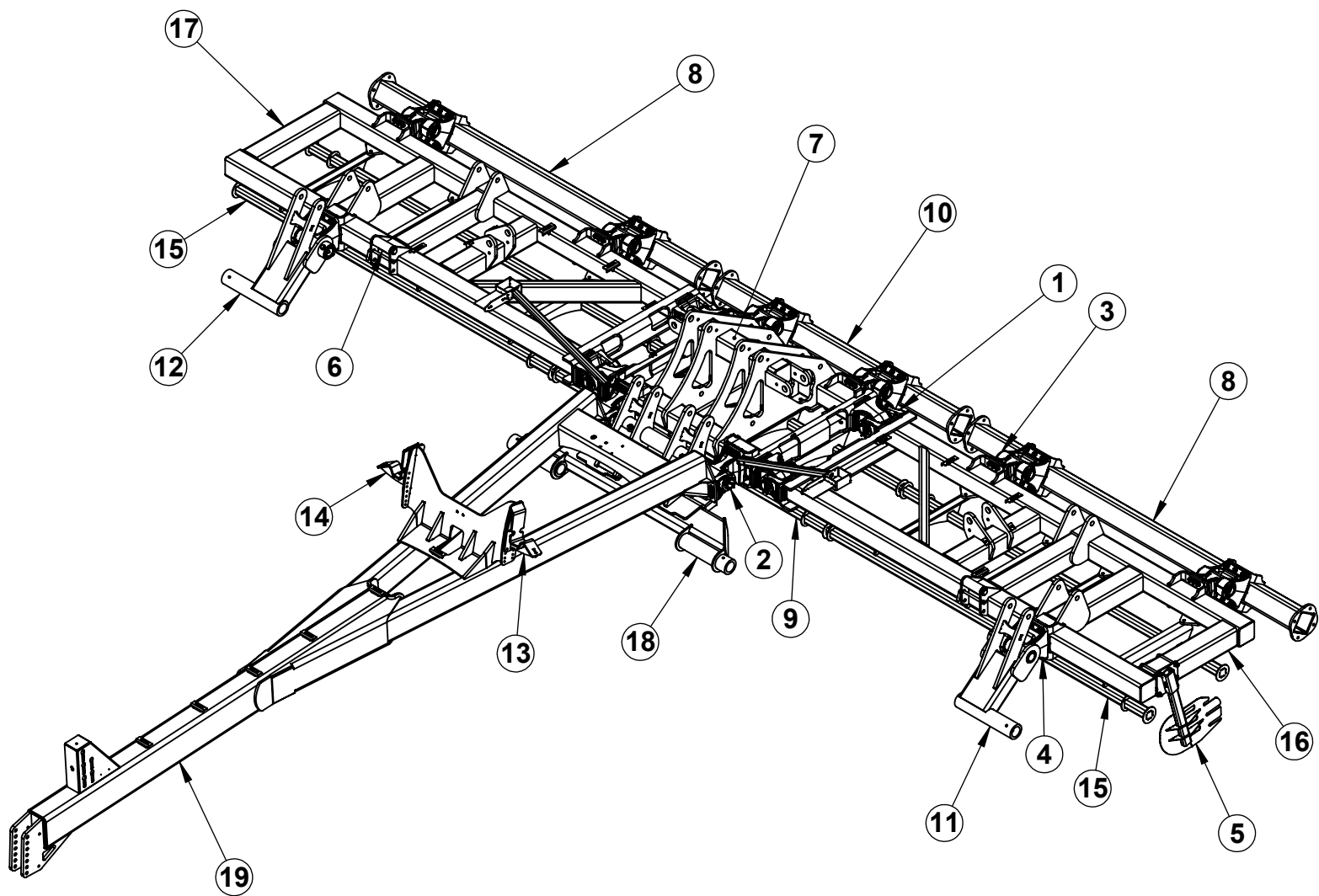
HSD2600NT, HSD2900NT, HSD3250NT, HSD3600NT, HSD3900NT, HSD3600, HSD3900, HSD4250, HSD4600



55-5-00335 HSD2600 - 2900 NT FRAME CONFIGURATION (All Sizes Unless Otherwise Noted)			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00594	ASSY, WING PIVOT W/HARDWARE (BLK)	4
2	55-2-00595	ASSY, HITCH PIVOT W/HARDWARE (BLK)	2
3	55-2-00596	ASSY, BASKET PIVOT W/HARDWARE (BLK)	6
4	55-2-00597	ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)	2
5	55-2-00643	ASSY, KT DEFLECTOR	1
6	55-2-00746	ASSY, WING ROLLER & LOCK PIN	2
7	55-3-00696	WELDMENT, 20" DISC 120 SHANK MOUNT	1
8	55-3-00697	WELDMENT, ROLLER HANGER 100	3
9	55-3-00710	WELDMENT, LH WING WHEEL	1
10	55-3-00711	WELDMENT, RH WING WHEEL	1
11	55-3-00724	WELDMENT, 20" DISC 100 SHANK MOUNT	2
12	55-3-00725	WELDMENT, WING LH115	1
13	55-3-00726	WELDMENT, WING RH115	1
14	55-3-00771	WELDMENT, 3 SECTION WHEEL STRUT NARROW	1
15	55-3-00781	WELDMENT, 115/135 WING NARROW HITCH	1
16	55-3-00784	WELDMENT, 3 SECTION CENTER NARROW SHORT	1
17	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
18	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1

2900 Size Only

ITEM	PART NUMBER	DESCRIPTION	QTY.
11	55-3-00696	WELDMENT, 20" DISC 120 SHANK MOUNT	2
8	55-3-00747	WELDMENT, ROLLER HANGER 120 (Wing Position Only)	2
12	55-3-00752	WELDMENT, WING LH135	1
13	55-3-00753	WELDMENT, WING RH135	1

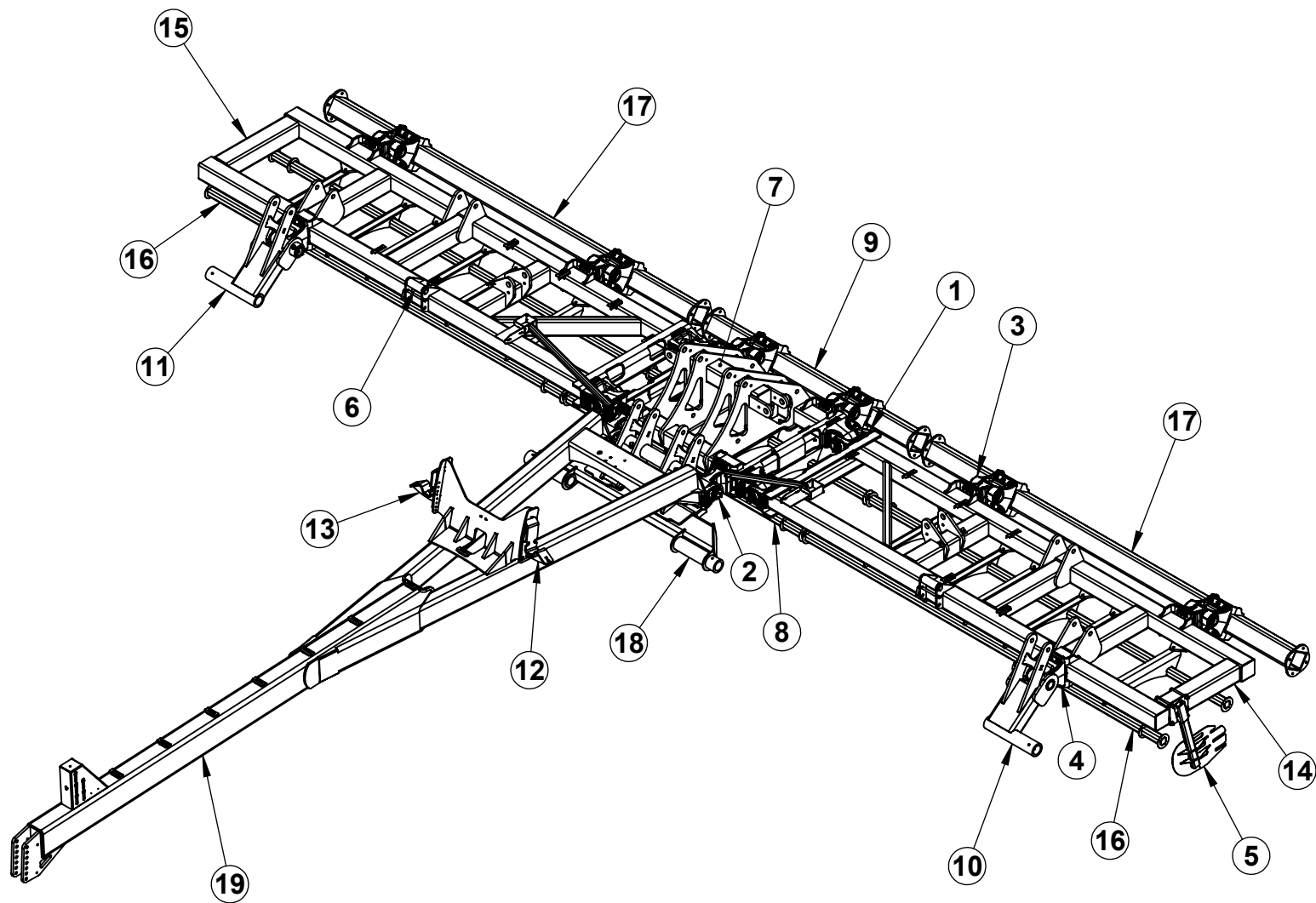


55-5-00336 HSD3250 - 3600 NT FRAME CONFIGURATION (All Sizes Unless Otherwise Noted)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00594	ASSY, WING PIVOT W/HARDWARE (BLK)	4
2	55-2-00595	ASSY, HITCH PIVOT W/HARDWARE (BLK)	2
3	55-2-00596	ASSY, BASKET PIVOT W/HARDWARE (BLK)	6
4	55-2-00597	ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)	2
5	55-2-00643	ASSY, KT DEFLECTOR	1
6	55-2-00746	ASSY, WING ROLLER & LOCK PIN	2
7	55-3-00672	WELDMENT, 3 SECTION CENTER NARROW	1
8	55-3-00690	WELDMENT, ROLLER HANGER 140	2
9	55-3-00696	WELDMENT, 20" DISC 120 SHANK MOUNT	1
10	55-3-00697	WELDMENT, ROLLER HANGER 100	1
11	55-3-00710	WELDMENT, LH WING WHEEL	1
12	55-3-00711	WELDMENT, RH WING WHEEL	1
13	55-3-00715	WELDMENT, LH WING REST	1
14	55-3-00716	WELDMENT, RH WING REST	1
15	55-3-00728	WELDMENT, 20" DISC 140 SHANK MOUNT	2
16	55-3-00750	WELDMENT, WING LH155	1
17	55-3-00751	WELDMENT, WING RH155	1
18	55-3-00771	WELDMENT, 3 SECTION WHEEL STRUT NARROW	1
19	55-3-00773	WELDMENT, 155/175 WING NARROW HITCH	1
20	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
21	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1

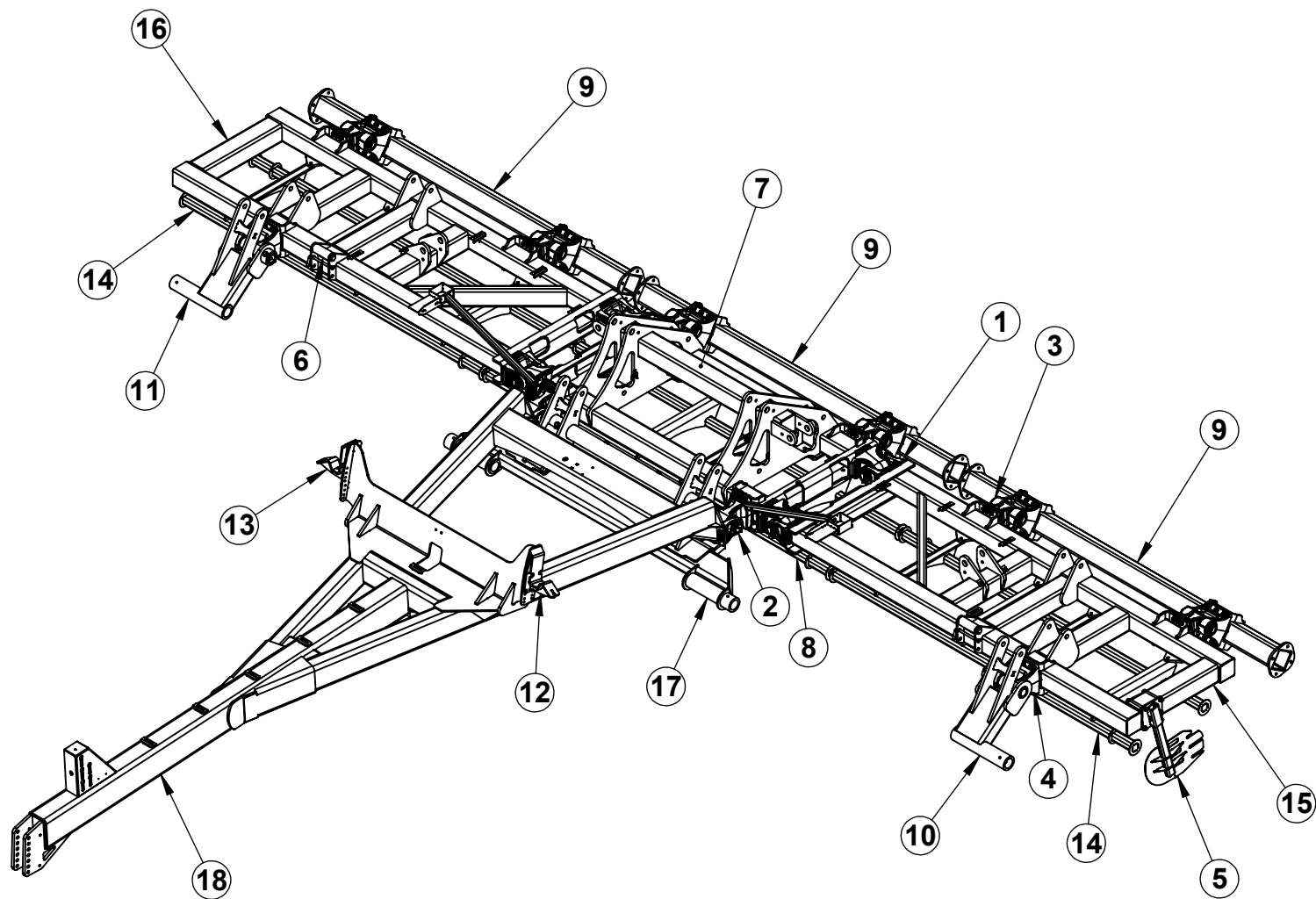
3600 Size Only

ITEM	PART NUMBER	DESCRIPTION	QTY.
15	55-3-00679	WELDMENT, 20" DISC 160 SHANK MOUNT	2
8	55-3-00742	WELDMENT, ROLLER HANGER 160	2
16	55-3-00743	WELDMENT, WING LH175	1
17	55-3-00744	WELDMENT, WING RH175	1



55-5-00337 HSD3900 NT FRAME CONFIGURATION

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00594	ASSY, WING PIVOT W/HARDWARE (BLK)	4
2	55-2-00595	ASSY, HITCH PIVOT W/HARDWARE (BLK)	2
3	55-2-00596	ASSY, BASKET PIVOT W/HARDWARE (BLK)	6
4	55-2-00597	ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)	2
5	55-2-00643	ASSY, KT DEFLECTOR	1
6	55-2-00746	ASSY, WING ROLLER & LOCK PIN	2
7	55-3-00672	WELDMENT, 3 SECTION CENTER NARROW	1
8	55-3-00696	WELDMENT, 20" DISC 120 SHANK MOUNT	1
9	55-3-00697	WELDMENT, ROLLER HANGER 100	1
10	55-3-00710	WELDMENT, LH WING WHEEL	1
11	55-3-00711	WELDMENT, RH WING WHEEL	1
12	55-3-00715	WELDMENT, LH WING REST	1
13	55-3-00716	WELDMENT, RH WING REST	1
14	55-3-00737	WELDMENT, WING LH195	1
15	55-3-00738	WELDMENT, WING RH195	1
16	55-3-00739	WELDMENT, 20" DISC 180 SHANK MOUNT	2
17	55-3-00741	WELDMENT, ROLLER HANGER 180	2
18	55-3-00771	WELDMENT, 3 SECTION WHEEL STRUT NARROW	1
19	55-3-00774	WELDMENT, 195/215 WING NARROW HITCH	1
20	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
21	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1

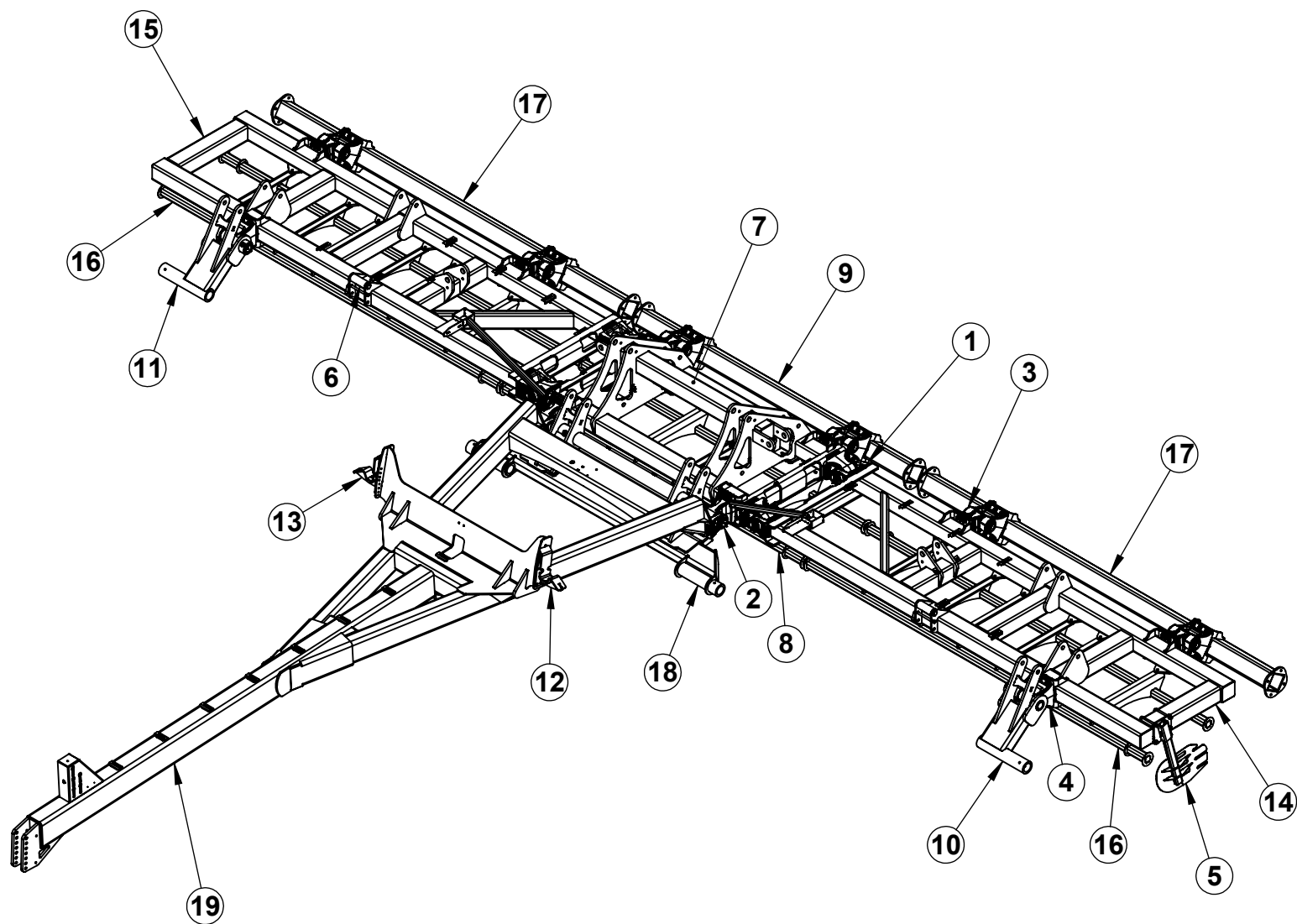


55-5-00338 HSD3600 - 3900 SD FRAME CONFIGURATION (All Sizes Unless Otherwise Noted)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00594	ASSY, WING PIVOT W/HARDWARE (BLK)	4
2	55-2-00595	ASSY, HITCH PIVOT W/HARDWARE (BLK)	2
3	55-2-00596	ASSY, BASKET PIVOT W/HARDWARE (BLK)	6
4	55-2-00597	ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)	2
5	55-2-00643	ASSY, KT DEFLECTOR	1
6	55-2-00746	ASSY, WING ROLLER & LOCK PIN	2
7	55-3-00671	WELDMENT, 3 SECTION CENTER	1
8	55-3-00679	WELDMENT, 20" DISC 160 SHANK MOUNT	1
9	55-3-00690	WELDMENT, ROLLER HANGER 140	3
10	55-3-00710	WELDMENT, LH WING WHEEL	1
11	55-3-00711	WELDMENT, RH WING WHEEL	1
12	55-3-00715	WELDMENT, LH WING REST	1
13	55-3-00716	WELDMENT, RH WING REST	1
14	55-3-00728	WELDMENT, 20" DISC 140 SHANK MOUNT	2
15	55-3-00750	WELDMENT, WING LH155	1
16	55-3-00751	WELDMENT, WING RH155	1
17	55-3-00770	WELDMENT, 3 SECTION WHEEL STRUT STD	1
18	55-3-00786	WELDMENT, 155/175 WING HITCH	1
19	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
20	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1

3900 Size Only

ITEM	PART NUMBER	DESCRIPTION	QTY.
14	55-3-00679	WELDMENT, 20" DISC 160 SHANK MOUNT	2
9	55-3-00742	WELDMENT, ROLLER HANGER 160 (Wing Position Only)	2
15	55-3-00743	WELDMENT, WING LH175	1
16	55-3-00744	WELDMENT, WING RH175	1

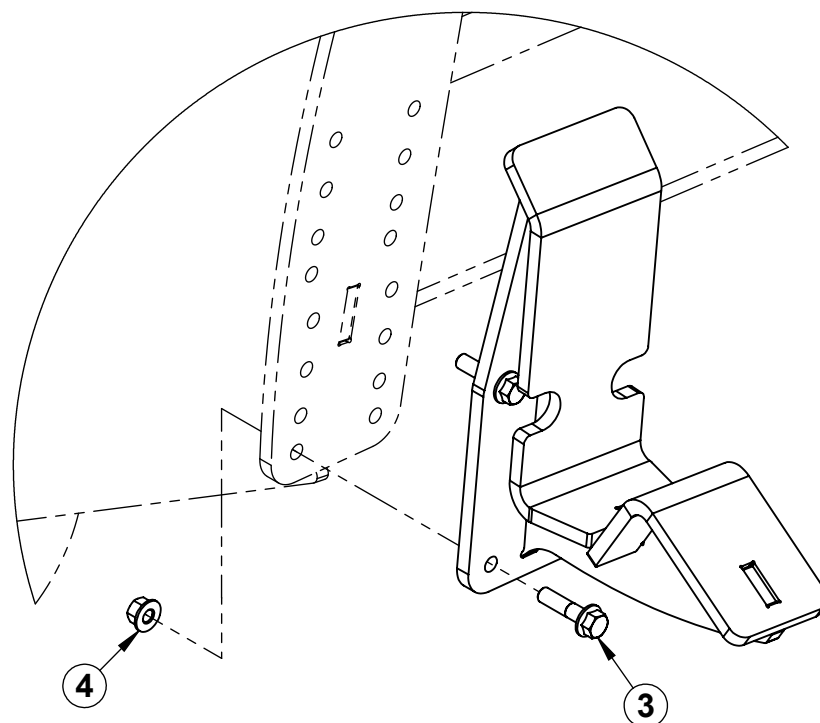
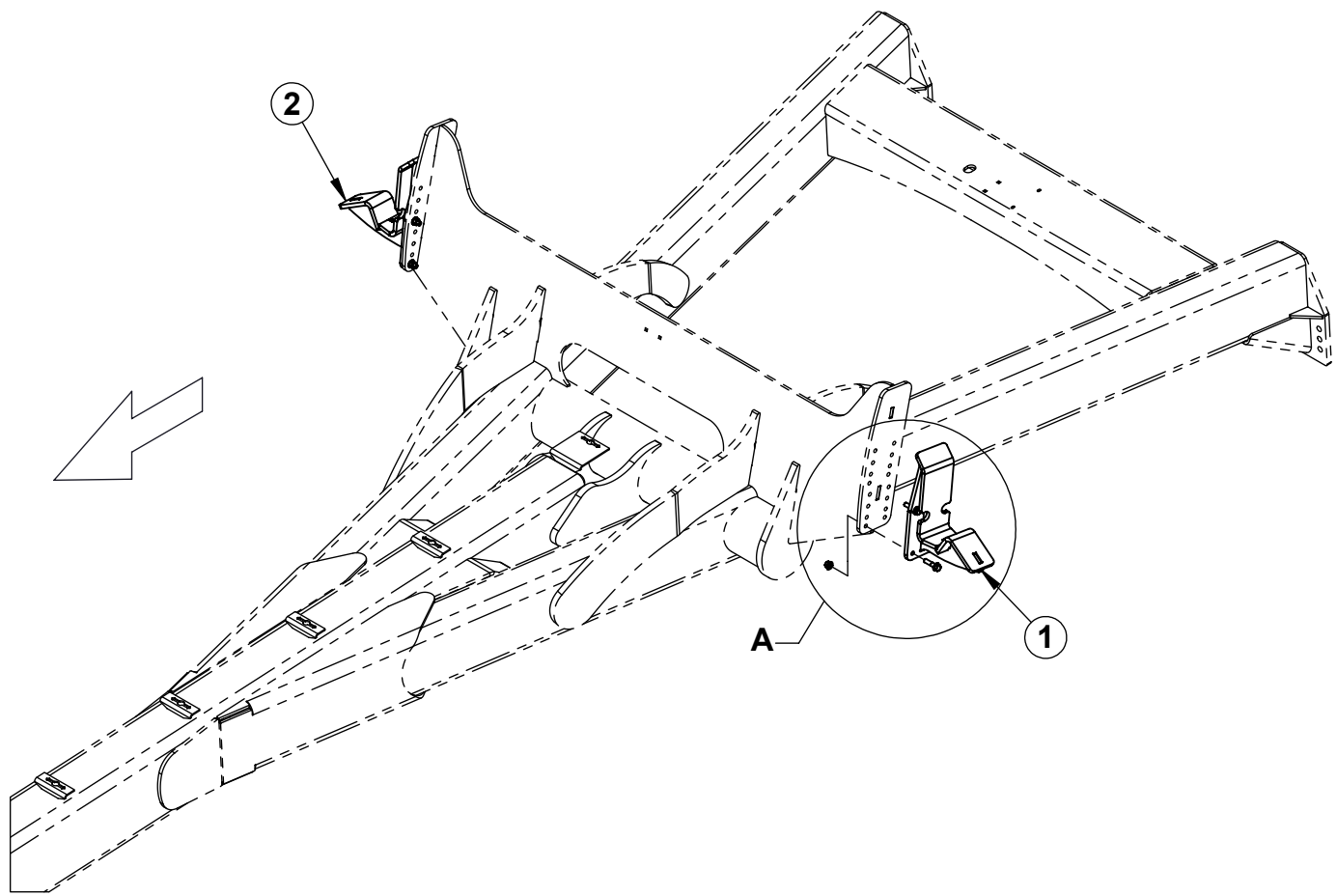


55-5-00339 HSD4250 - 4600 SD FRAME CONFIGURATION (All Sizes Unless Otherwise Noted)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00594	ASSY, WING PIVOT W/HARDWARE (BLK)	4
2	55-2-00595	ASSY, HITCH PIVOT W/HARDWARE (BLK)	2
3	55-2-00596	ASSY, BASKET PIVOT W/HARDWARE (BLK)	6
4	55-2-00597	ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)	2
5	55-2-00643	ASSY, KT DEFLECTOR	1
6	55-2-00746	ASSY, WING ROLLER & LOCK PIN	2
7	55-3-00671	WELDMENT, 3 SECTION CENTER	1
8	55-3-00679	WELDMENT, 20" DISC 160 SHANK MOUNT	1
9	55-3-00690	WELDMENT, ROLLER HANGER 140	1
10	55-3-00710	WELDMENT, LH WING WHEEL	1
11	55-3-00711	WELDMENT, RH WING WHEEL	1
12	55-3-00715	WELDMENT, LH WING REST	1
13	55-3-00716	WELDMENT, RH WING REST	1
14	55-3-00737	WELDMENT, WING LH195	1
15	55-3-00738	WELDMENT, WING RH195	1
16	55-3-00739	WELDMENT, 20" DISC 180 SHANK MOUNT	2
17	55-3-00741	WELDMENT, ROLLER HANGER 180	2
18	55-3-00770	WELDMENT, 3 SECTION WHEEL STRUT STD	1
19	55-3-00787	WELDMENT, 195/215 WING HITCH	1
20	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
21	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1

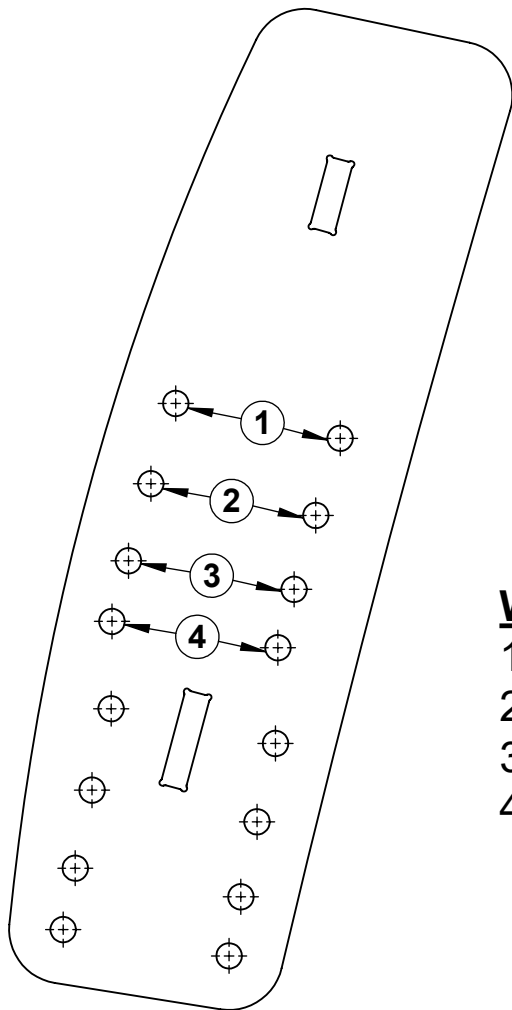
4600 Size Only

ITEM	PART NUMBER	DESCRIPTION	QTY.
17	55-3-00745	WELDMENT, ROLLER HANGER 200	2
14	55-3-00748	WELDMENT, WING LH215	1
15	55-3-00749	WELDMENT, WING RH215	1
16	55-3-00754	WELDMENT, 20" DISC 200 SHANK MOUNT	2

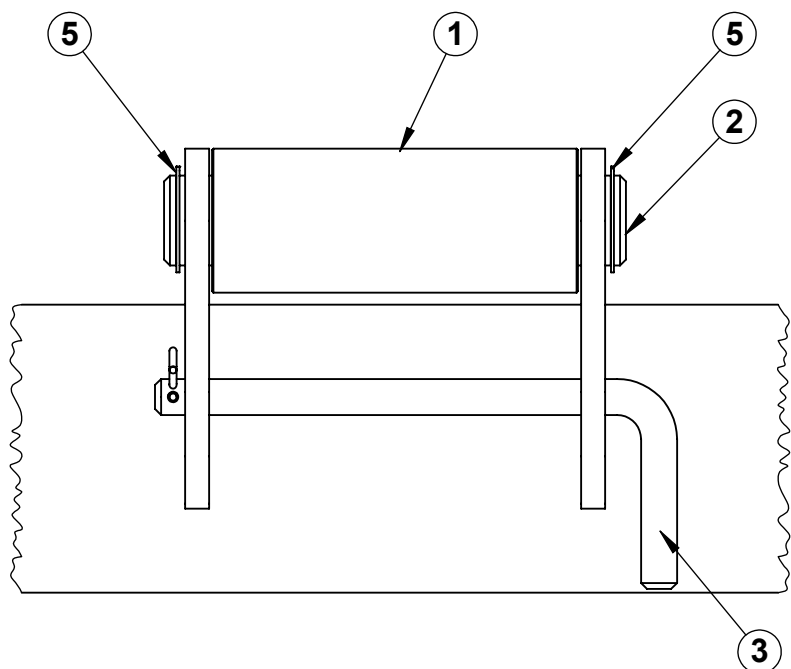
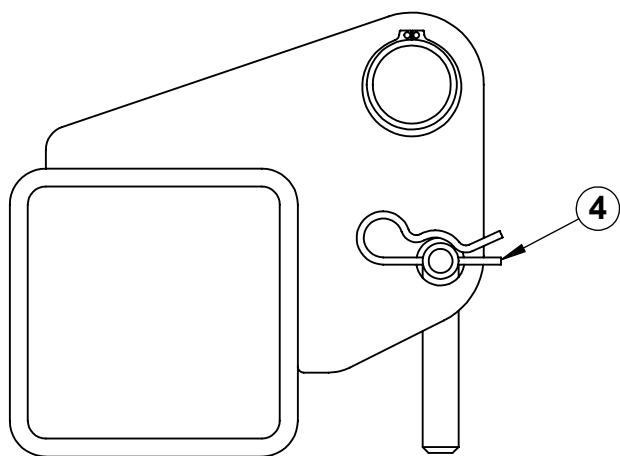
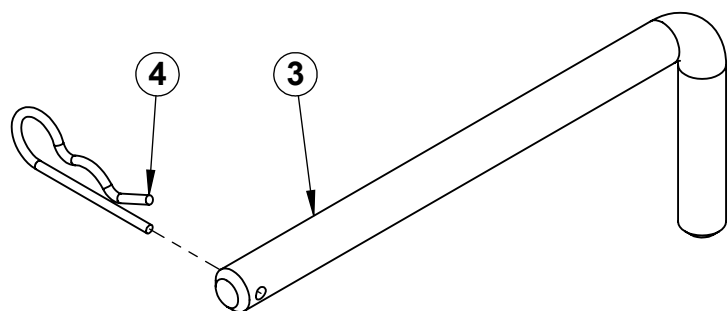
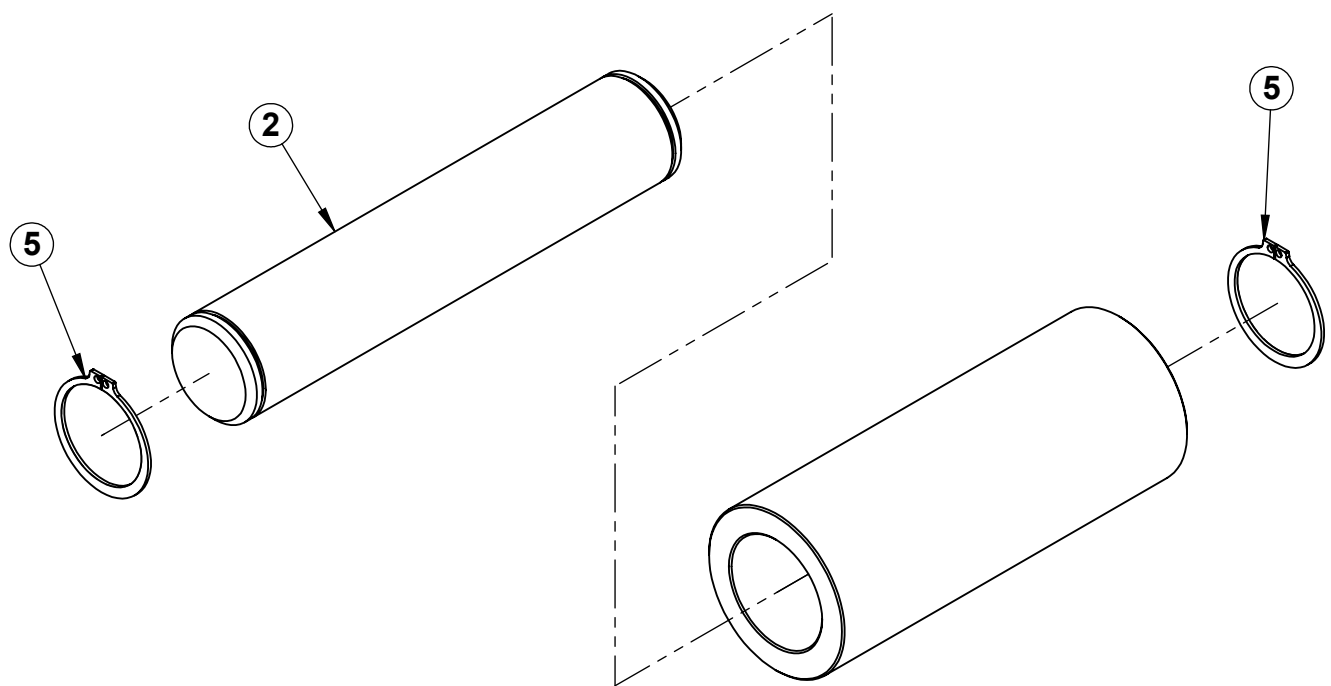
**DETAIL A**

55-5-00321 ASSY, HSD WING REST MOUNTING

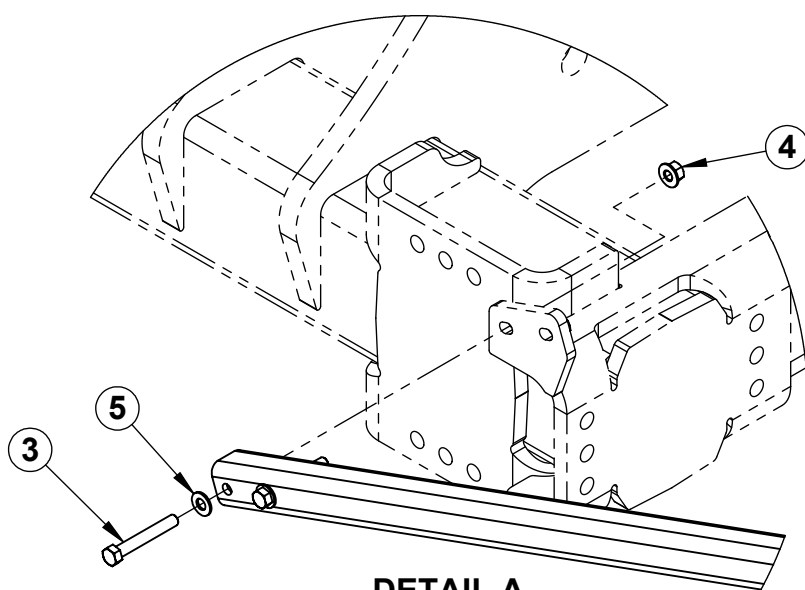
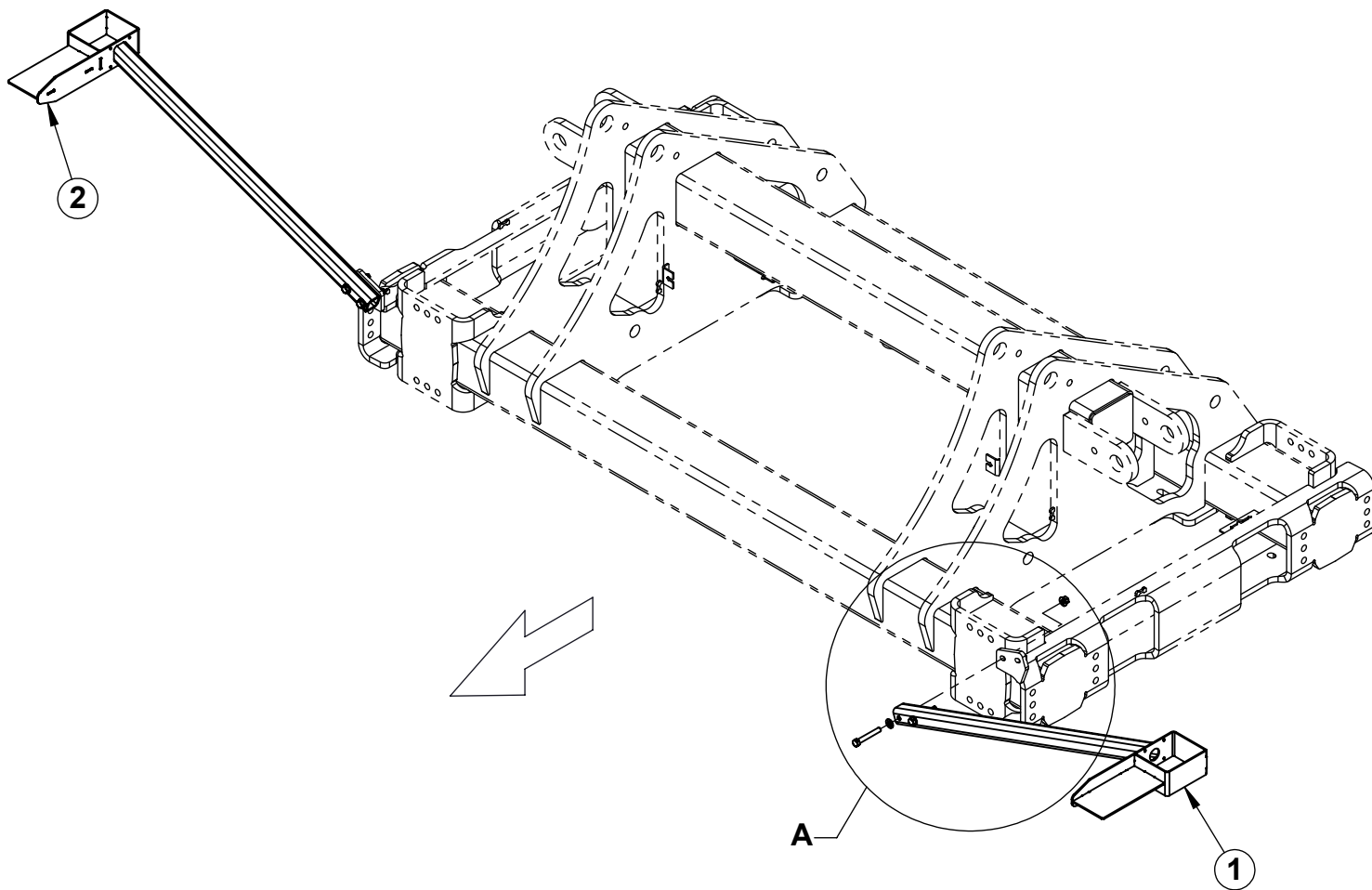
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-3-00715	WELDMENT, LH WING REST	1
2	55-3-00716	WELDMENT, RH WING REST	1
3	90-10-6227	Bolt, Flanged 1/2-13 x 2 Gr8 ZP	8
4	90-13-9044	Nut, Flanged Toplock 1/2-13 GrG ZP	8

**Wing Rest Positions - Top Hole Location:**

1. 3250 NT / 3600 SD (#155 Wing)
2. 3600 NT / 3900 SD (#175 Wing)
3. 3900 NT / 4250 SD (#195 Wing)
4. 4600 SD (#215 Wing)

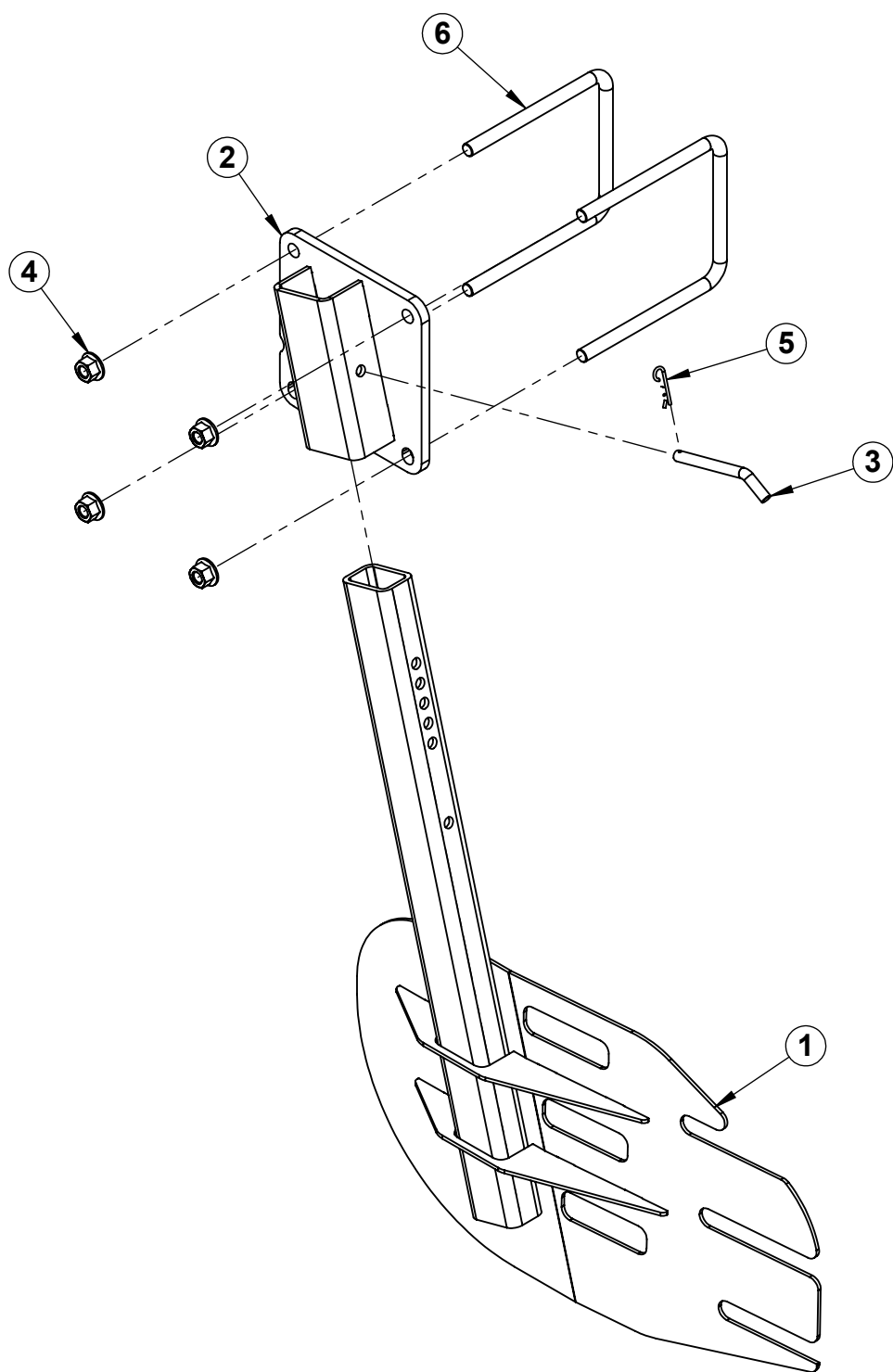


55-2-00746 ASSY, WING ROLLER & LOCK PIN			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-4-00720	TRANSPORT ROLLER - 2"	1
2	55-4-00951	PIN	1
3	55-4-00960	PIN - WING LOCK	1
4	90-16-1045	Pin, Hair 1/8 x 3 ZP	1
5	90-16-4510	1.88 EXTERNAL SNAP RING	2



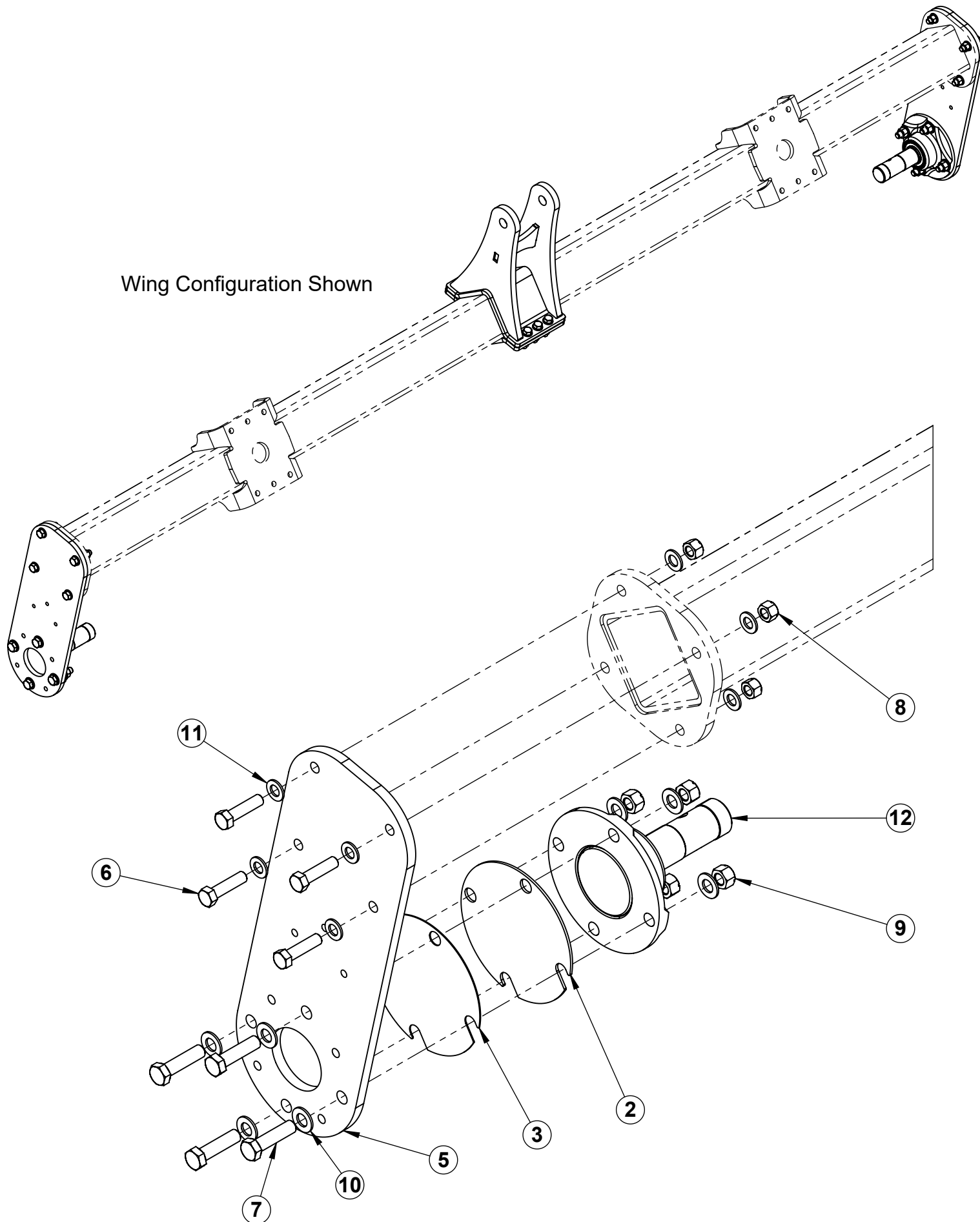
DETAIL A
SCALE 1 : 8

55-5-00332 ASSY, HSD WARNING LIGHT ARM MOUNTING			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-3-00790	WLDMT, LH TAIL LIGHT MOUNT	1
2	55-3-00791	WLDMT, RH TAIL LIGHT MOUNT	1
3	90-10-1681	Bolt, Hex 1/2-13 x 3 1/2 Gr5 ZP	4
4	90-13-9044	Nut, Flanged Toplock 1/2-13 GrG ZP	4
5	90-14-0051	Washer, Flat 1/2 SAE ZP	4



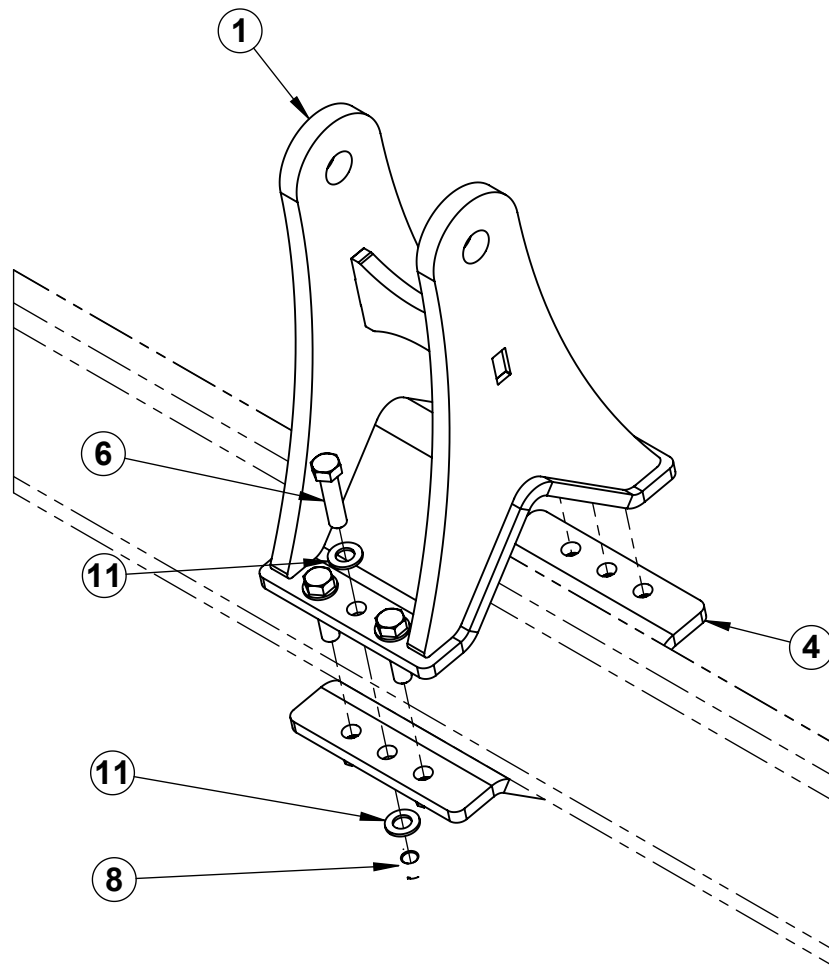
55-2-00643 ASSY, KT DEFLECTOR				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-3-00718	WELD, DEFLECTOR ARM	1	
2	55-3-00788	WLDMT, DIRT DEFLECTOR MOUNT	1	
3	55-4-01099	RND BAR, LOCK PIN	1	
4	90-13-9035	Nut, Flanged Toplock 5/8-11 GrF ZP	4	
5	90-16-1055	Pin, Hair 1/8 x 2 ZP (1/2 - 3/4 Pin Dia)	1	
6	90-20-0527	U-BOLT, SQUARE 5/8-11, 7.0 X 8.50 GR5 ZP	2	

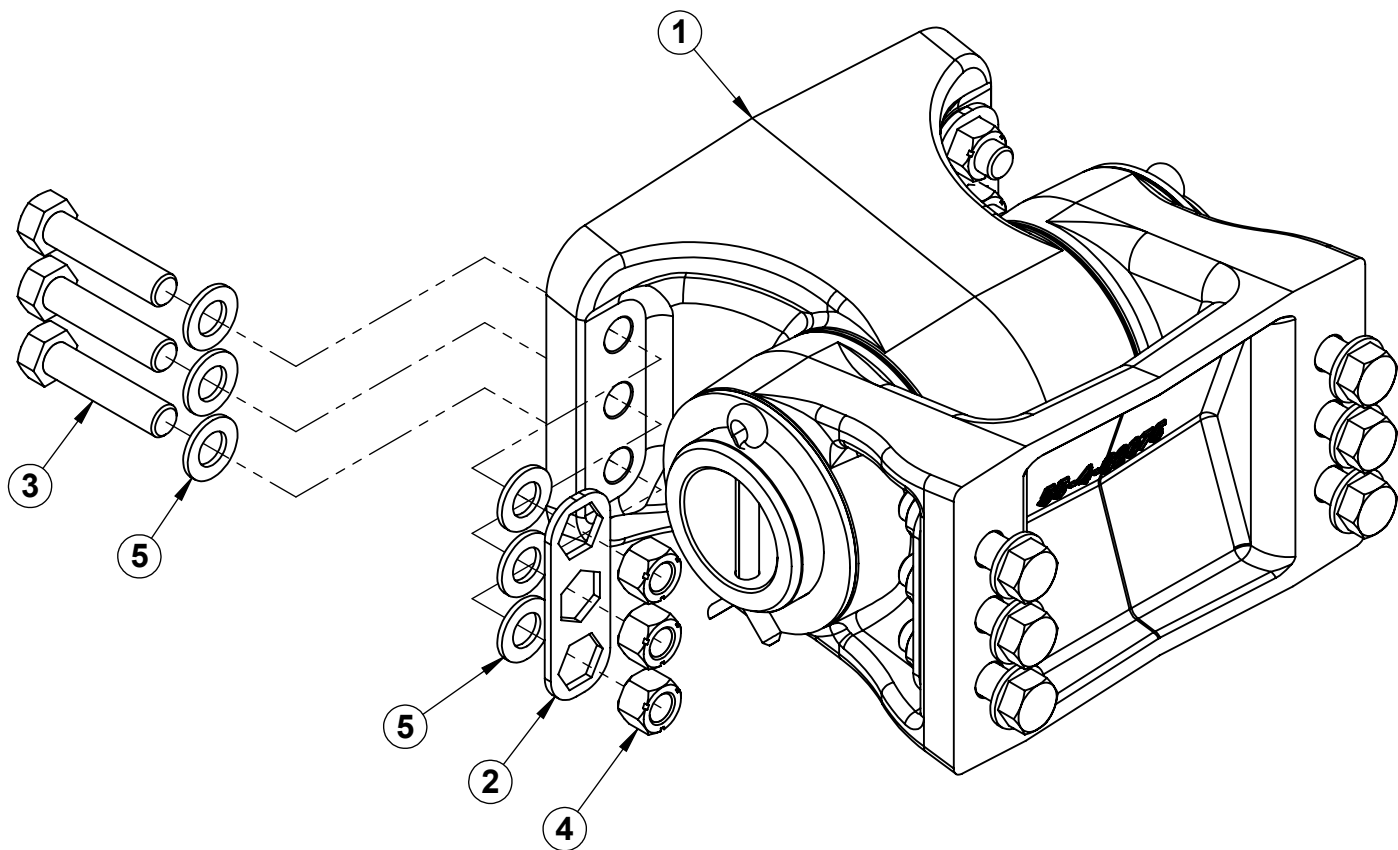
Wing Configuration Shown



55-5-00340 ASSY, HSD ROLLER HANGER

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-3-00665	WELDMENT, ROLLER HANGER PIVOT	1
2	55-4-01693	SPACER, REAR PACKER HUB (.18")	1
3	55-4-01694	SPACER, REAR PACKER HUB (.07)	1
4	55-4-02093	PLATE, ROLLER HANGER CLAMP PAINTED	1
5	55-4-02323	PLATE, ROLLER HANGER SIDE	2
6	90-10-2827	Bolt, Hex 3/4-10 x 3 Gr8 ZP	14
7	90-10-3321	Bolt, Hex 7/8-9 x 3 1/2 Gr5 ZP	8
8	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	14
9	90-13-1586	Nut, Toplock 7/8-9 GrC ZP	8
10	90-14-0067	Washer, Flat 7/8 ZP (SAE)	16
11	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	28
12	90-34-0010	ASSY, ROLLER HUB	2



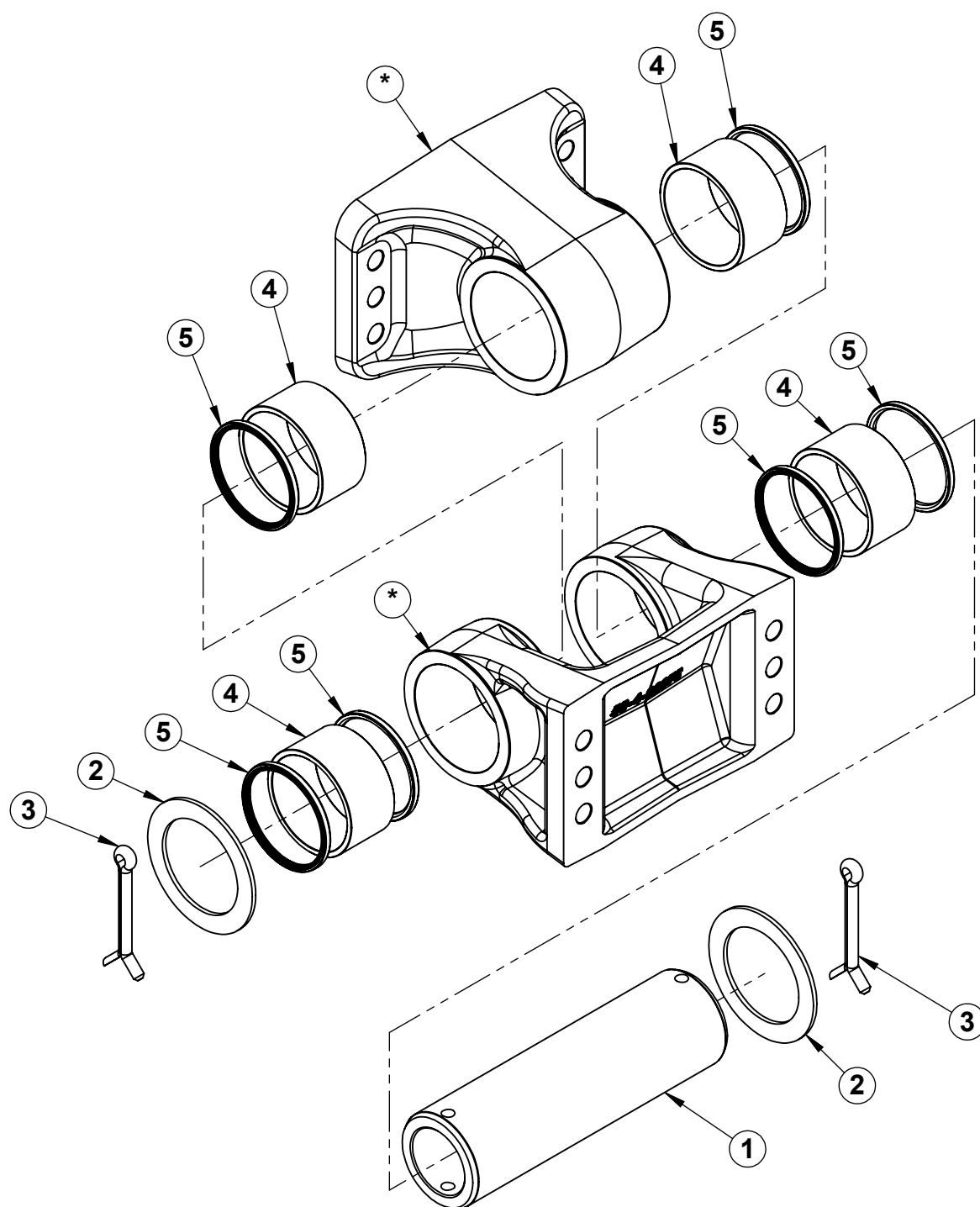


55-2-00594 ASSY, WING PIVOT W/HARDWARE (BLK)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00669	ASSY, WING PIVOT (BLK)	1
2	55-4-02380	SHEET, NUT RETAINER SHORT	4
3	90-10-2835	Bolt, Hex 3/4-10 x 3-1/4 Gr8 ZP	12
4	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	12
5	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	24

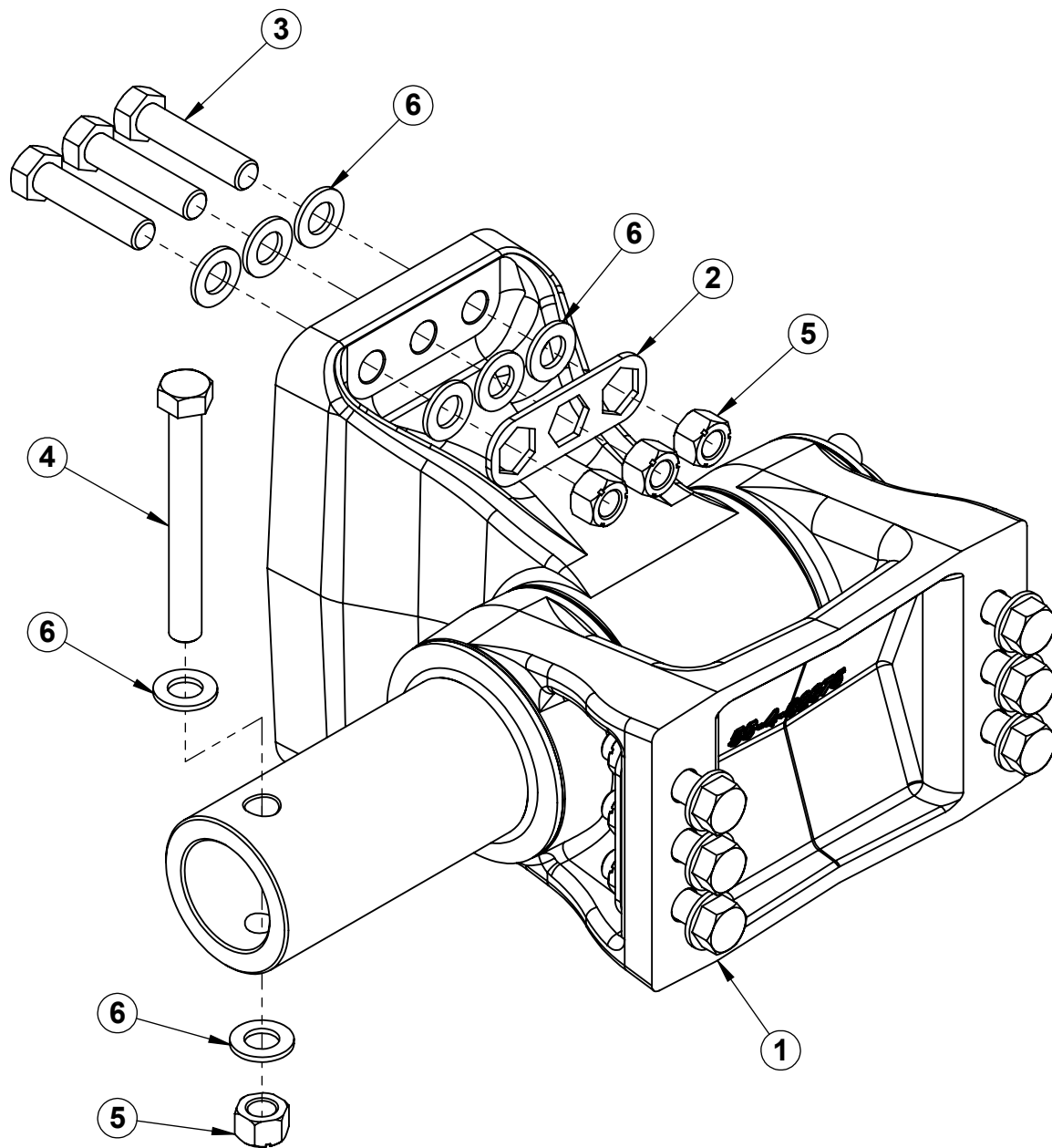
Note:

1. * The items indicated are shown for reference only, and must be assembled during final assembly.
2. ** The assemblies indicated are for illustrative purposes only and are not intended to be assembled in this sequence.

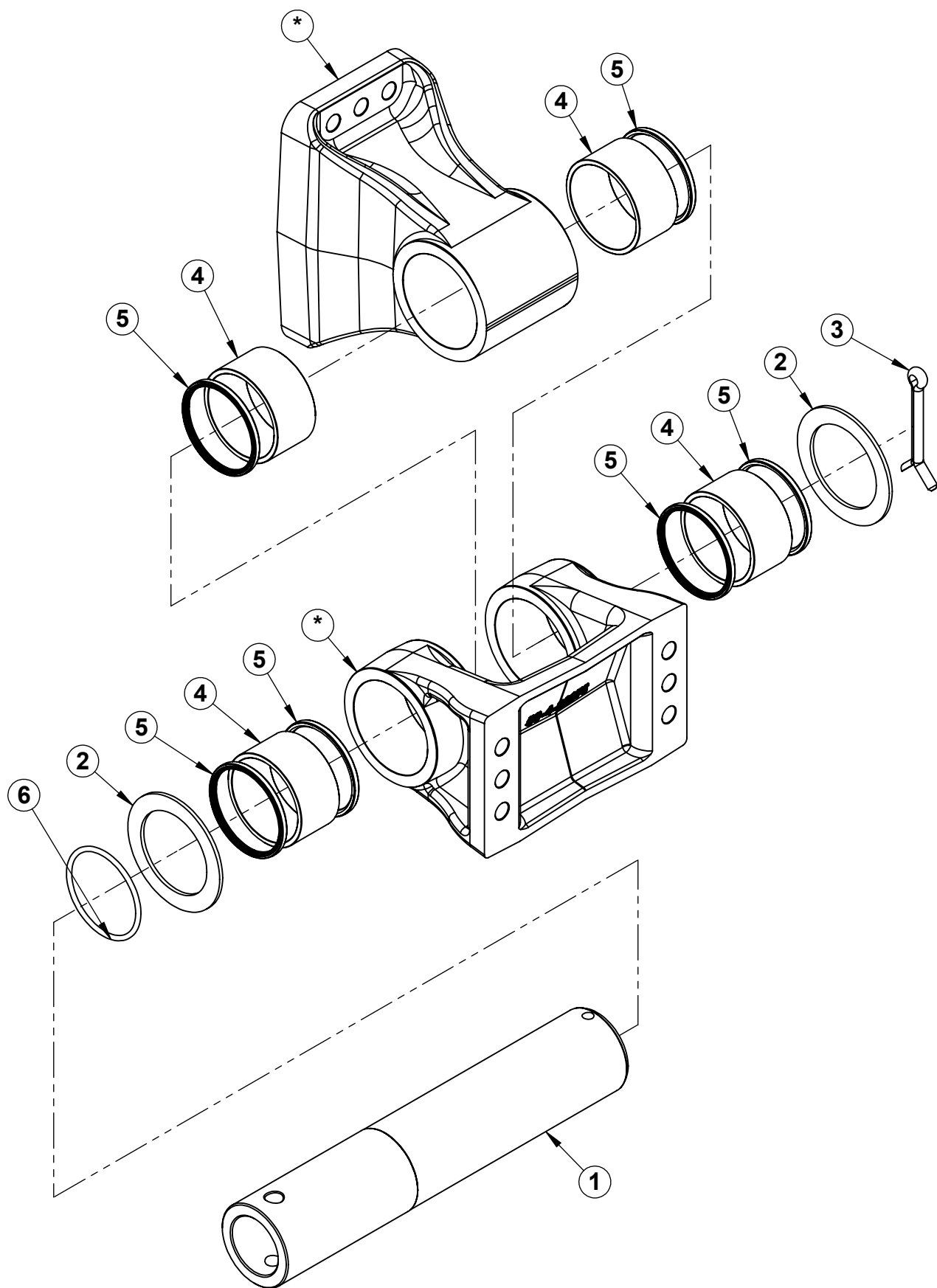


55-2-00669 ASSY, WING PIVOT (BLK)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-4-02276	PIN, WING AND BASKET PIVOT	1	
2	90-14-9039	Washer, 100.5mm ID x 5.5" OD x 7ga Thick ZP	2	
3	90-16-0415	Pin, Cotter 13mm x 125mm ZP	2	
4	90-24-4076	BUSHING, COMPOSITE 100mm ID X 112 mm OD X 58 mm L	4	
5	90-24-6022	Seal, 100 mm ID X 112 mm OD X 7 mm L DBL Lip	6	

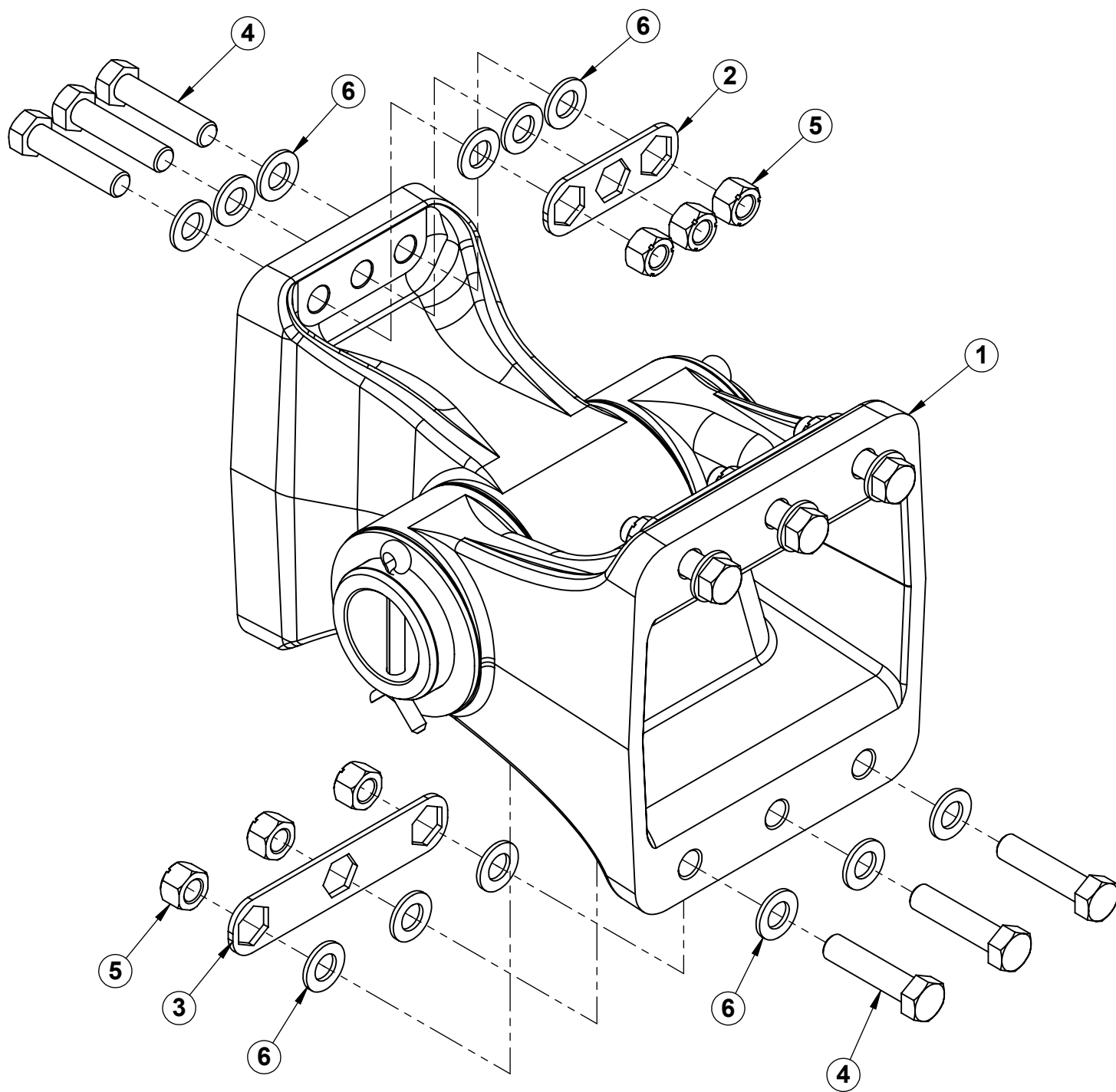


55-2-00595 ASSY, HITCH PIVOT W/HARDWARE (BLK)			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00670	ASSY, HITCH PIVOT (BLK)	1
2	55-4-02380	SHEET, NUT RETAINER SHORT	4
3	90-10-2835	Bolt, Hex 3/4-10 x 3-1/4 Gr8 ZP	12
4	90-10-2913	Bolt, Hex 3/4-10 x 6 1/2 Gr8 ZP	1
5	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	13
6	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	26

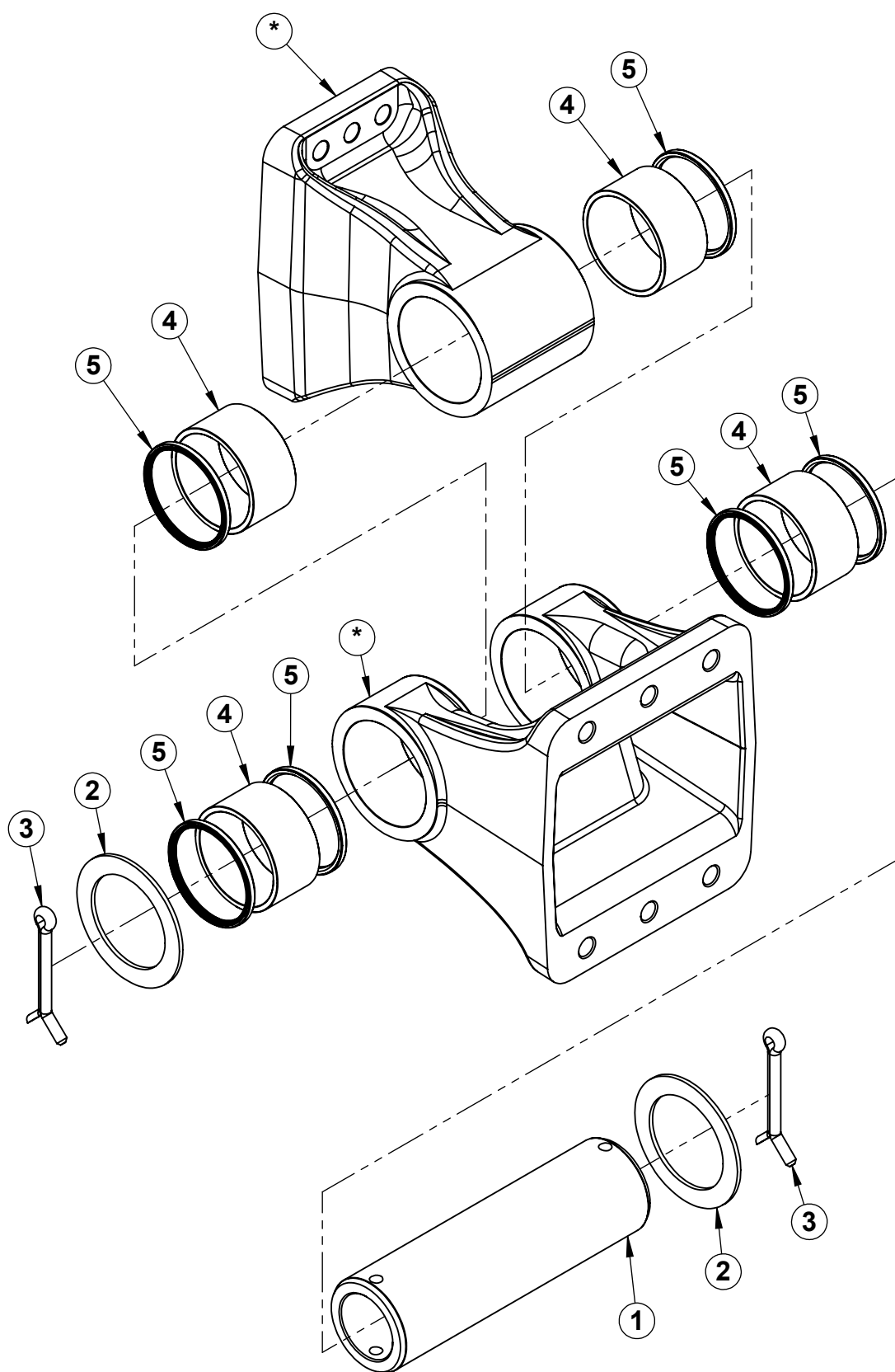


55-2-00670 ASSY, HITCH PIVOT (BLK)

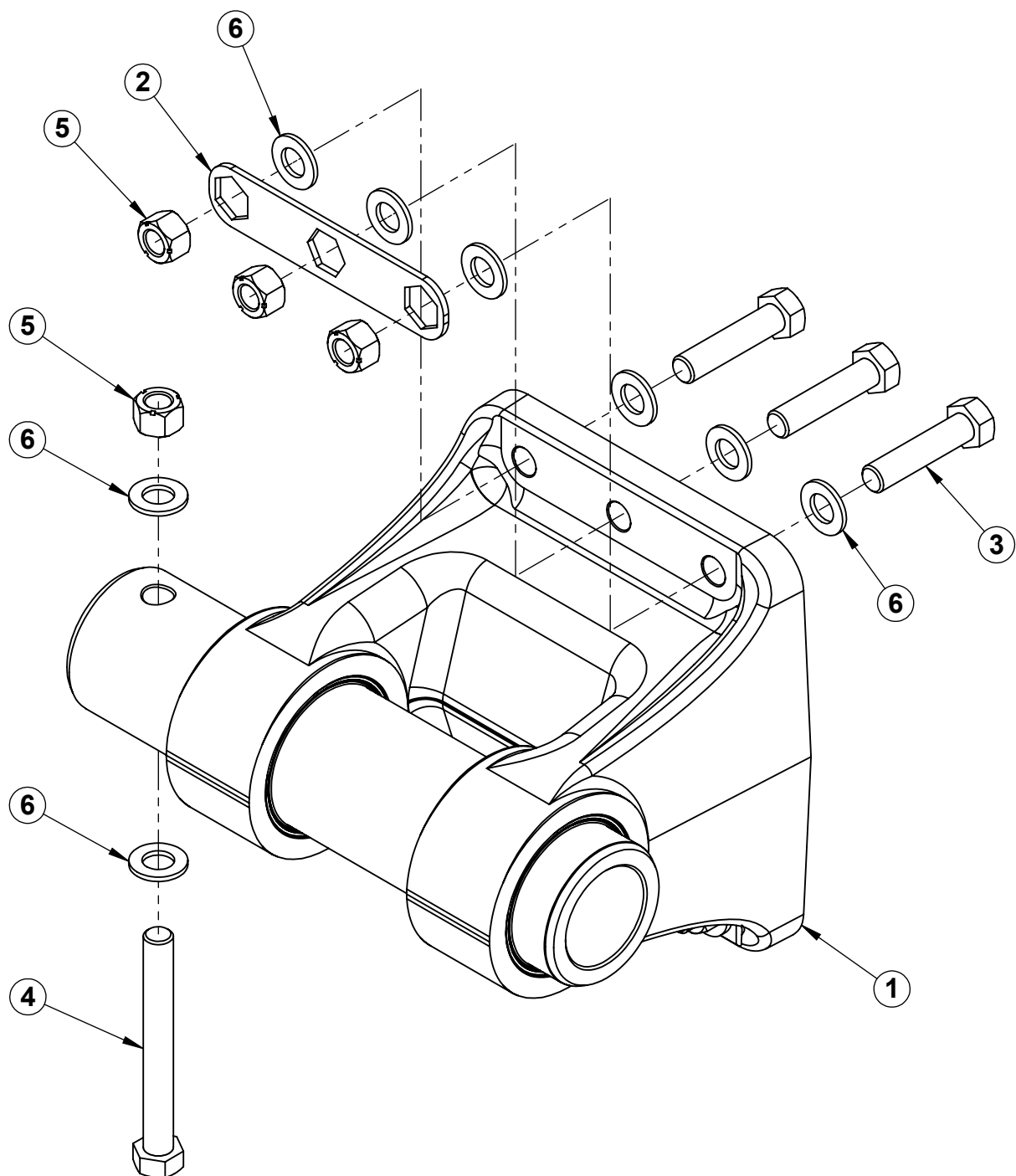
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-4-02277	PIN, HITCH PIVOT	1	
2	90-14-9039	Washer, 100.5mm ID x 5.5" OD x 7ga Thick ZP	2	
3	90-16-0415	Pin, Cotter 13mm x 125mm ZP	1	
4	90-24-4076	BUSHING, COMPOSITE 100mm ID X 112 mm OD X 58 mm L	4	
5	90-24-6022	Seal, 100 mm ID X 112 mm OD X 7 mm L DBL Lip	6	
6	90-58-0004	O-Ring, 99.6mm ID x 111mm OD HNBR	1	



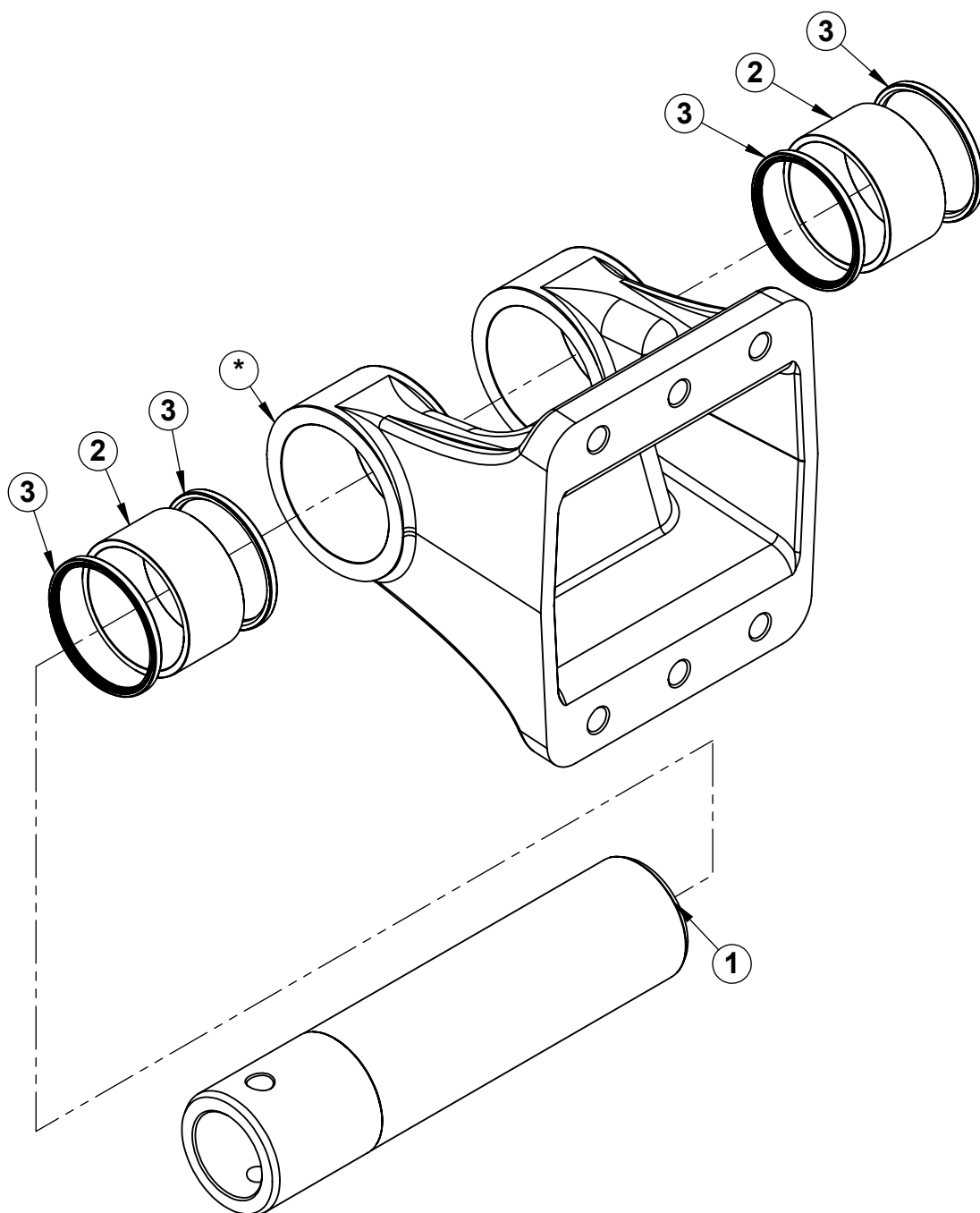
55-2-00596 ASSY, BASKET PIVOT W/HARDWARE (BLK)			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00671	ASSY, BASKET PIVOT (BLK)	1
2	55-4-02380	SHEET, NUT RETAINER SHORT	2
3	55-4-02381	SHEET, NUT RETAINER LONG	2
4	90-10-2835	Bolt, Hex 3/4-10 x 3-1/4 Gr8 ZP	12
5	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	12
6	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	24



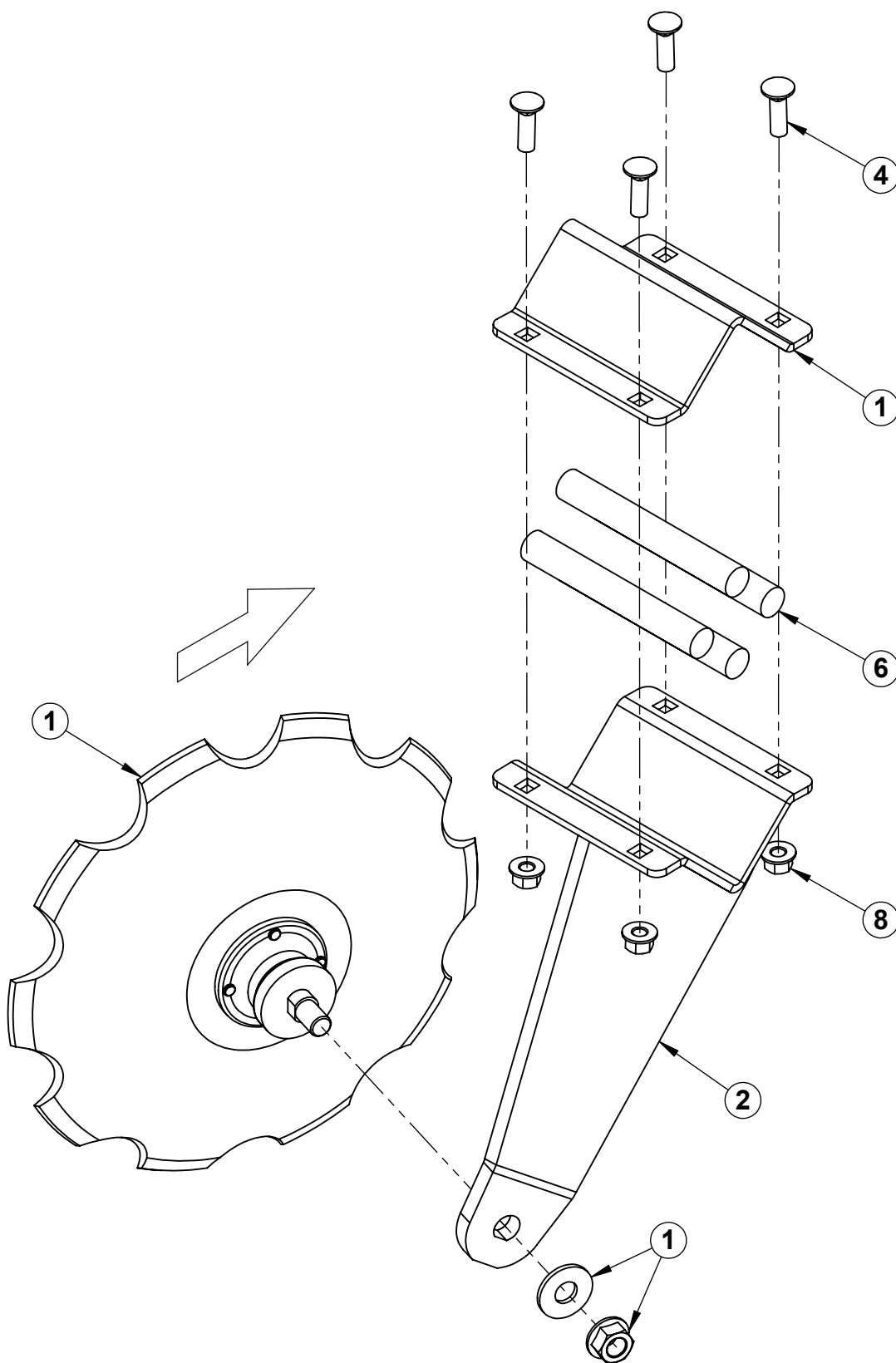
55-2-00671 ASSY, BASKET PIVOT (BLK)				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-4-02276	PIN, WING AND BASKET PIVOT	1	
2	90-14-9039	Washer, 100.5mm ID x 5.5" OD x 7ga Thick ZP	2	
3	90-16-0415	Pin, Cotter 13mm x 125mm ZP	2	
4	90-24-4076	BUSHING, COMPOSITE 100mm ID X 112 mm OD X 58 mm L	4	
5	90-24-6022	Seal, 100 mm ID X 112 mm OD X 7 mm L DBL Lip	6	



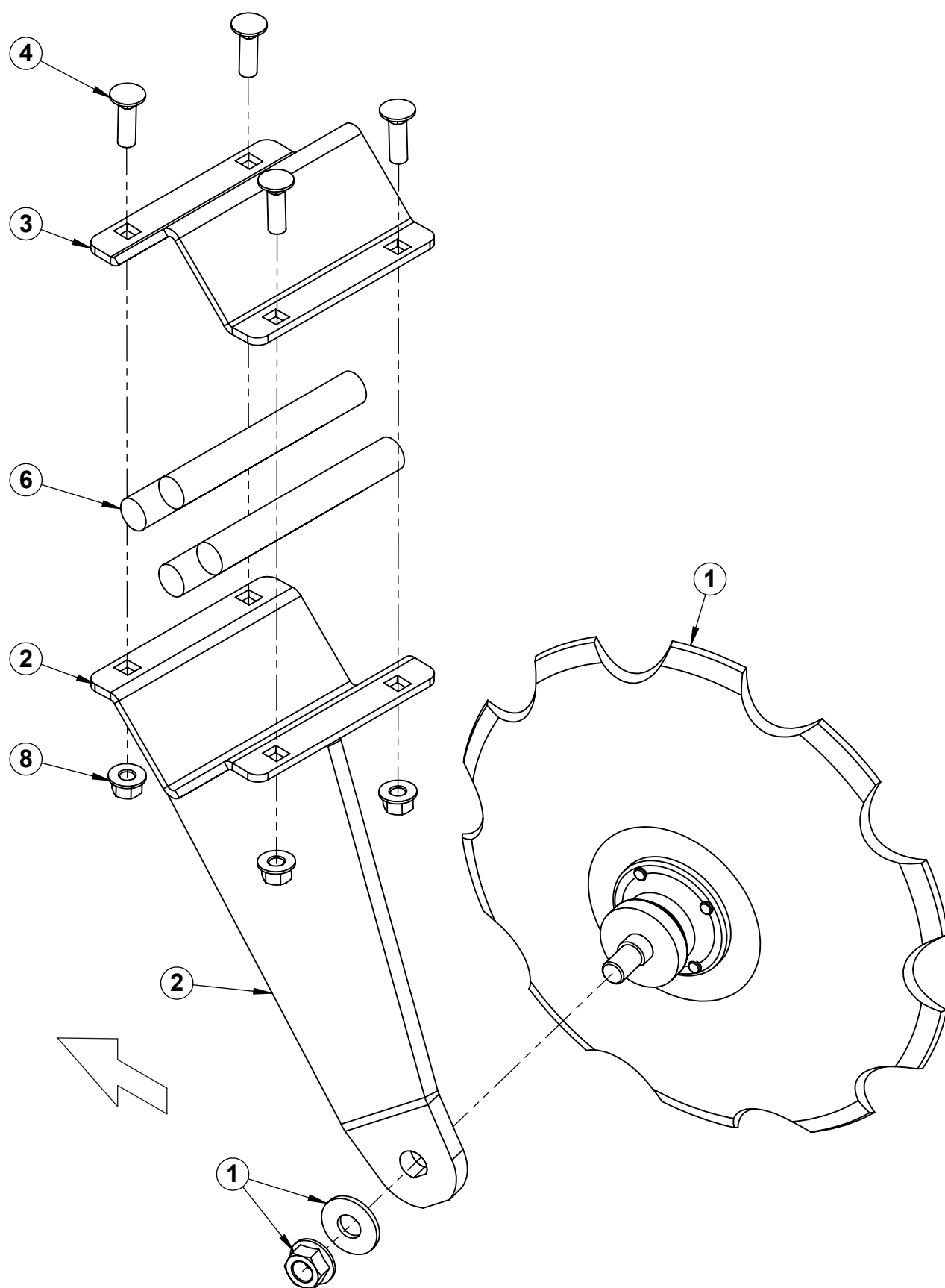
55-2-00597 ASSY, WING WHEEL PIVOT W/HARDWARE (BLK)			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00672	ASSY, WING WHEEL PIVOT (BLK)	1
2	55-4-02381	SHEET, NUT RETAINER LONG	2
3	90-10-2835	Bolt, Hex 3/4-10 x 3-1/4 Gr8 ZP	6
4	90-10-2913	Bolt, Hex 3/4-10 x 6 1/2 Gr8 ZP	1
5	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	7
6	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	14



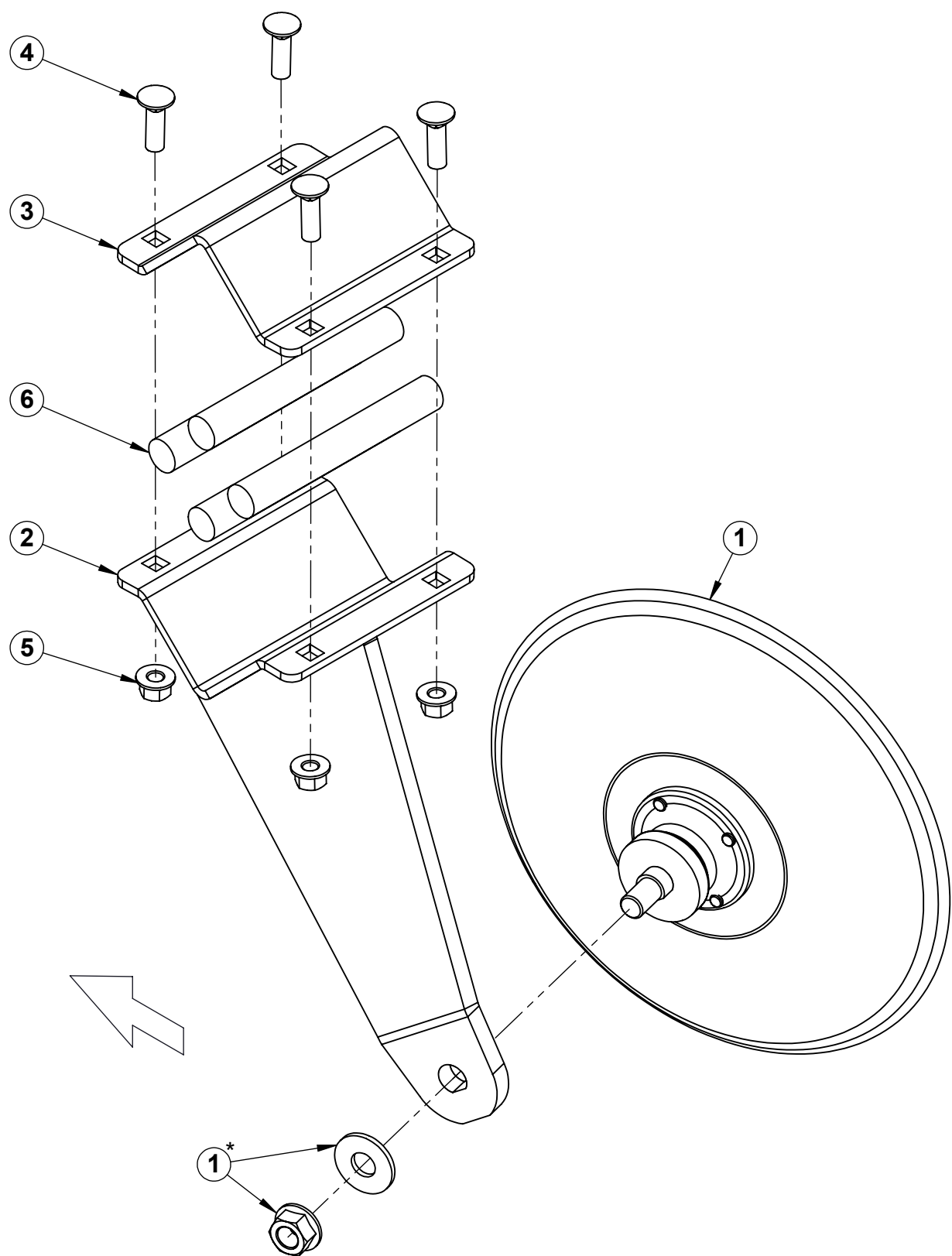
55-2-00672 ASSY, WING WHEEL PIVOT (BLK)				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-4-02084	PIN, WING WHEEL PIVOT	1	
2	90-24-4076	BUSHING, COMPOSITE 100mm ID X 112 mm OD X 58 mm L	2	
3	90-24-6022	Seal, 100 mm ID X 112 mm OD X 7 mm L DBL Lip	4	



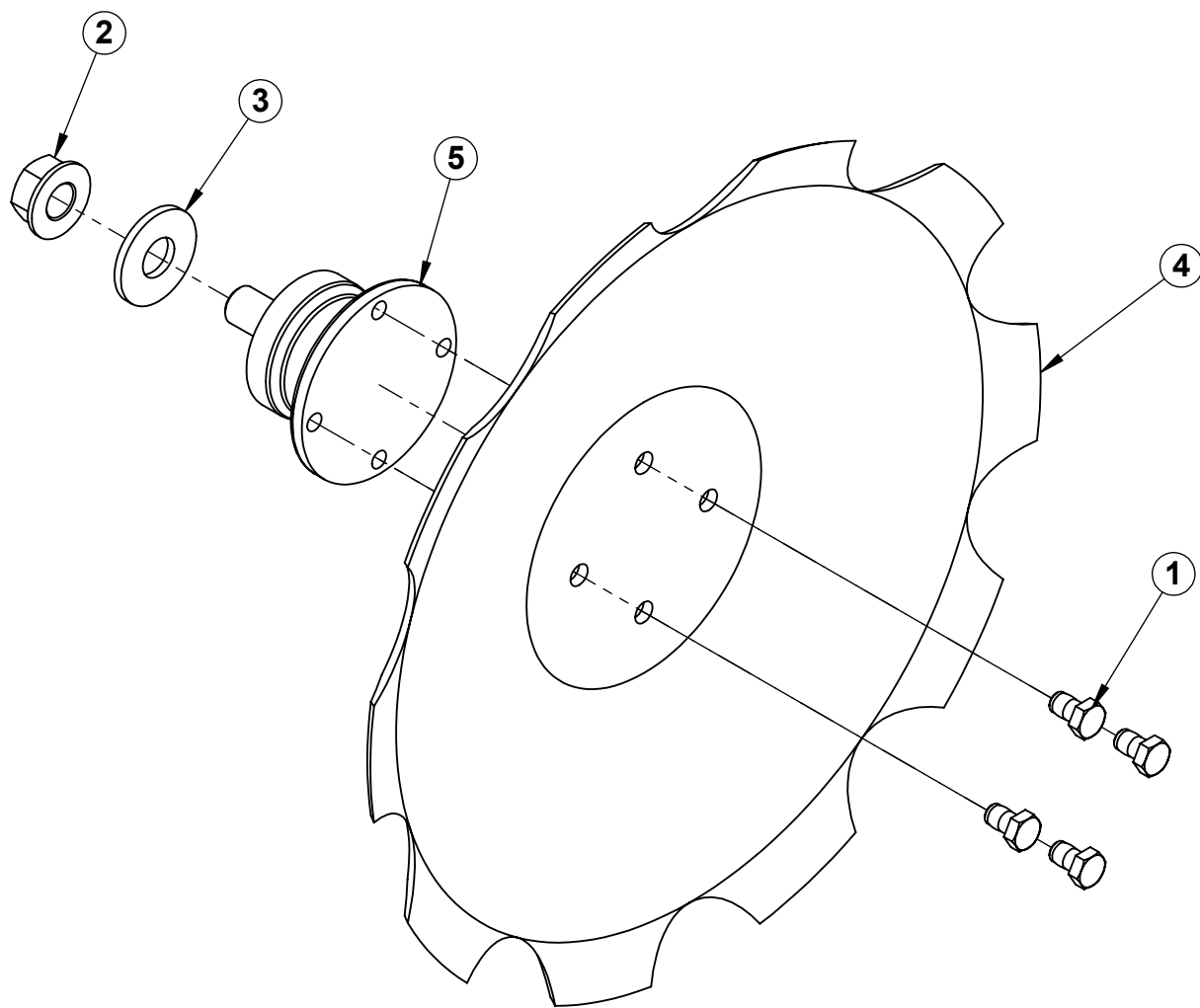
55-2-00247 ASSY, FRONT SHANK PROFILED 17° 20" NOTCHED DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00248	ASSY, HUB & 20" NOTCHED DISC	1	
	55-2-00371	ASSY, HUB & 20" SMOOTH DISC	1	
2	55-3-00231	WELDMENT, FRONT SHANK PROFILED 17DEG	1	
3	55-4-00878	PLATE, 9IN CAP PAINTED	1	
4	90-10-7323	Bolt, Carriage 5/8-11 x 2 Gr5 ZP	4	
8	90-13-9035	Nut, Flanged Toplock 5/8-11 GrF ZP	4	
6	90-34-0004	RUBBER TORSION CORD - 1-1/4"	4	



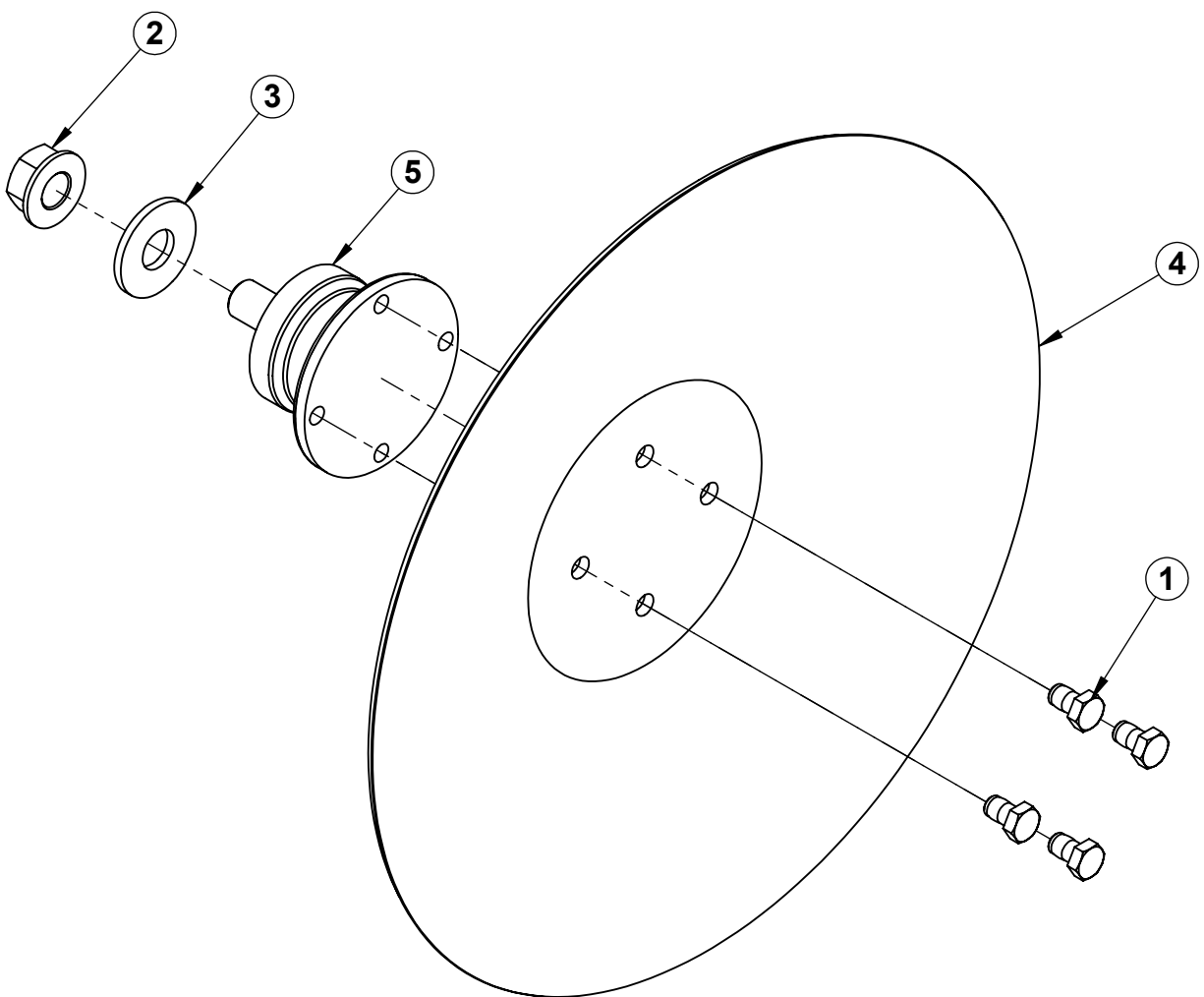
55-2-00251 ASSY, REAR SHANK PROFILED 14° 20" NOTCHED DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00248	ASSY, HUB & 20" NOTCHED DISC	1	
	55-2-00371	ASSY, HUB & 20" SMOOTH DISC	1	
2	55-3-00230	WELDMENT, REAR SHANK PROFILED 14DEG	1	
3	55-4-00878	PLATE, 9IN CAP PAINTED	1	
4	90-10-7323	Bolt, Carriage 5/8-11 x 2 Gr5 ZP	4	
6	90-34-0004	RUBBER TORSION CORD - 1-1/4"	4	
8	90-13-9035	Nut, Flanged Toplock 5/8-11 GrF ZP	4	



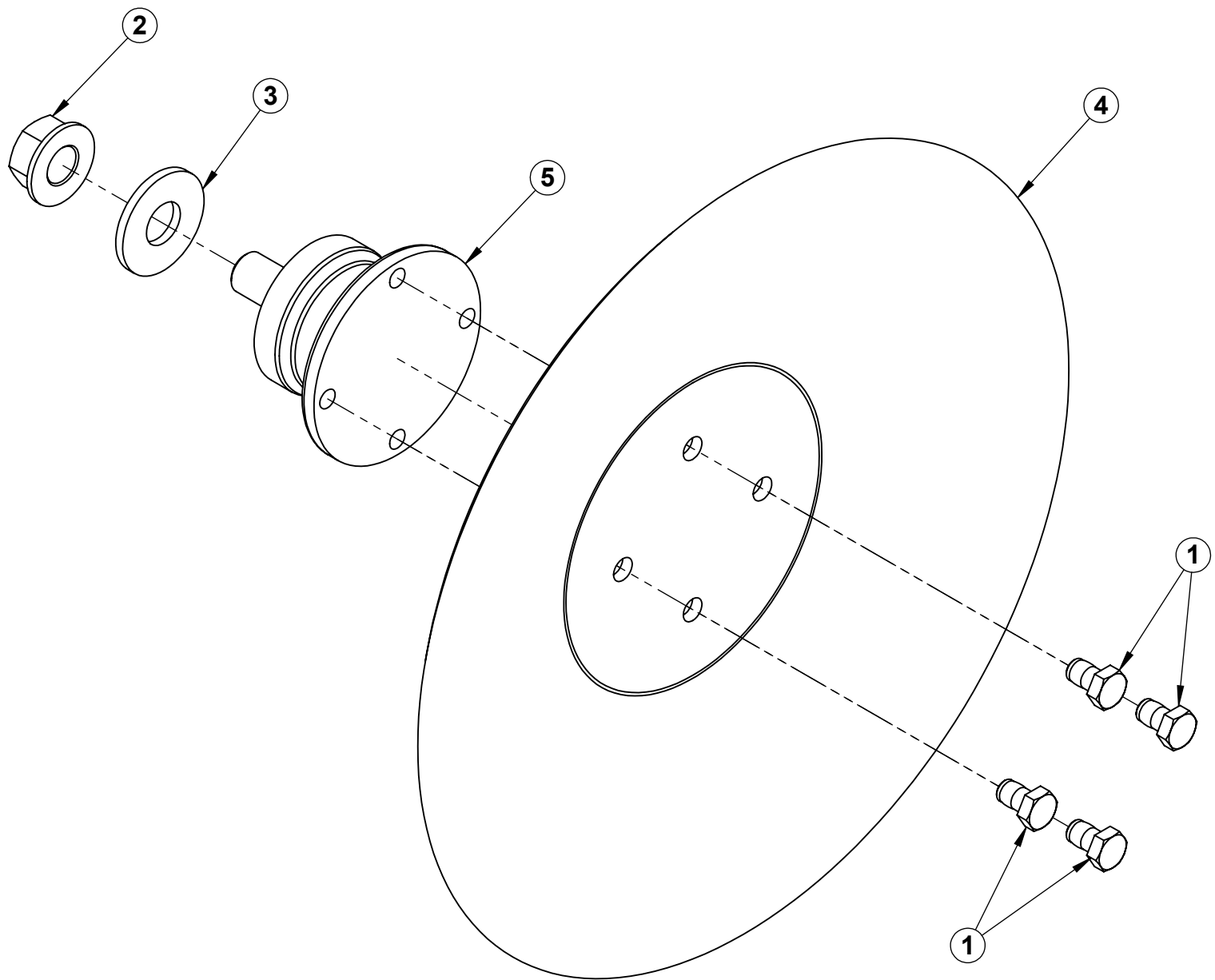
55-2-00373 ASSY, REAR SHANK PROFILED 14° 18" PLAIN DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00250	ASSY, HUB & 18" PLAIN DISC	1	
2	55-3-00230	WELDMENT, REAR SHANK PROFILED 14DEG	1	
3	55-4-00878	PLATE, 9IN CAP PAINTED	1	
4	90-10-7323	Bolt, Carriage 5/8-11 x 2 Gr5 ZP	4	
5	90-13-9035	Nut, Flanged Toplock 5/8-11 GrF ZP	4	
6	90-34-0004	RUBBER TORSION CORD - 1-1/4"	4	



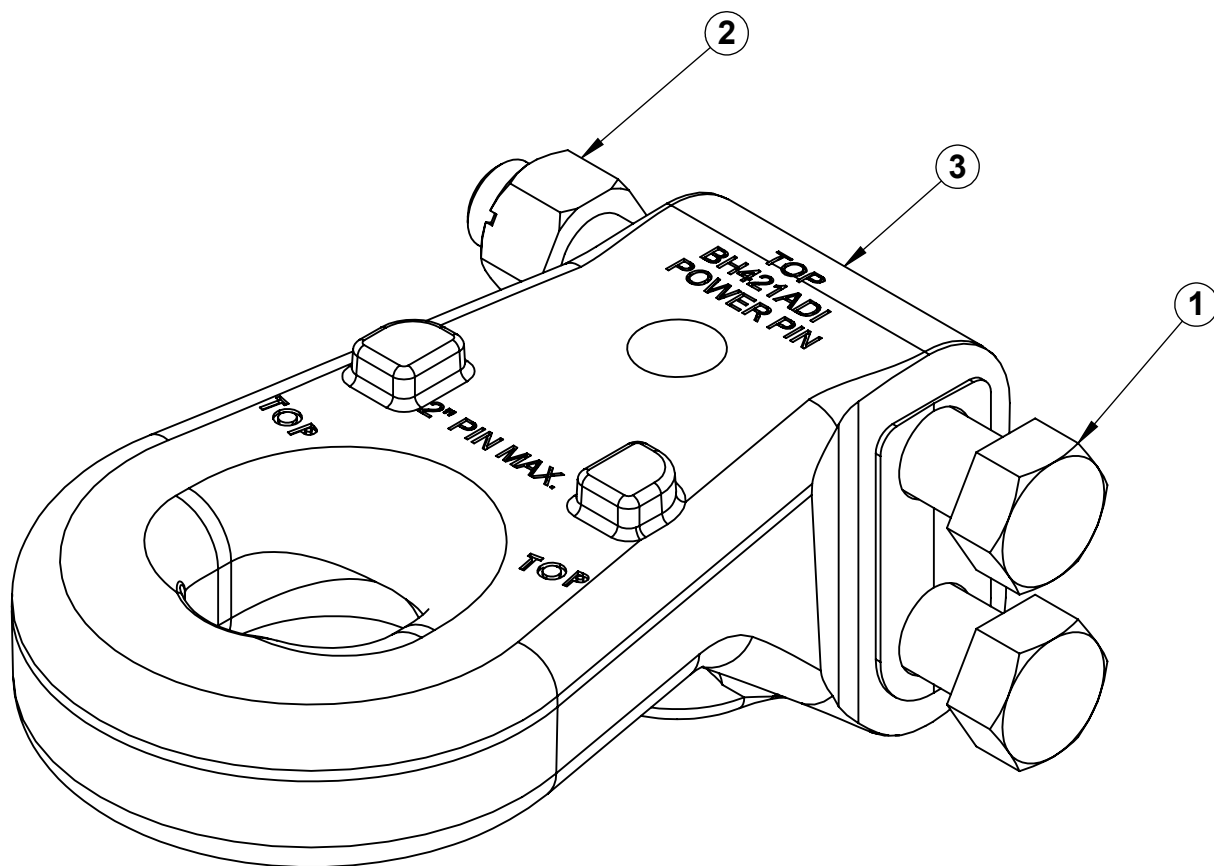
55-2-00248 ASSY, HUB & 20" NOTCHED DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-10-9584	Bolt, Hex M12-1.25 x 20mm 10.9 ZP w/2510 TL Patch	4	
2	90-13-9031	Nut, Flanged Toplock 7/8-14 Grade G ZP	1	
3	90-14-0068	Washer, Flat 7/8 ZP (USS) Thru Hrd	1	
4	90-34-0002	20" DIA DISC, 4-HOLE (NOTCHED)	1	
5	90-34-0028	AGRI-HUB ASSY - SKF #BAA-0049	1	



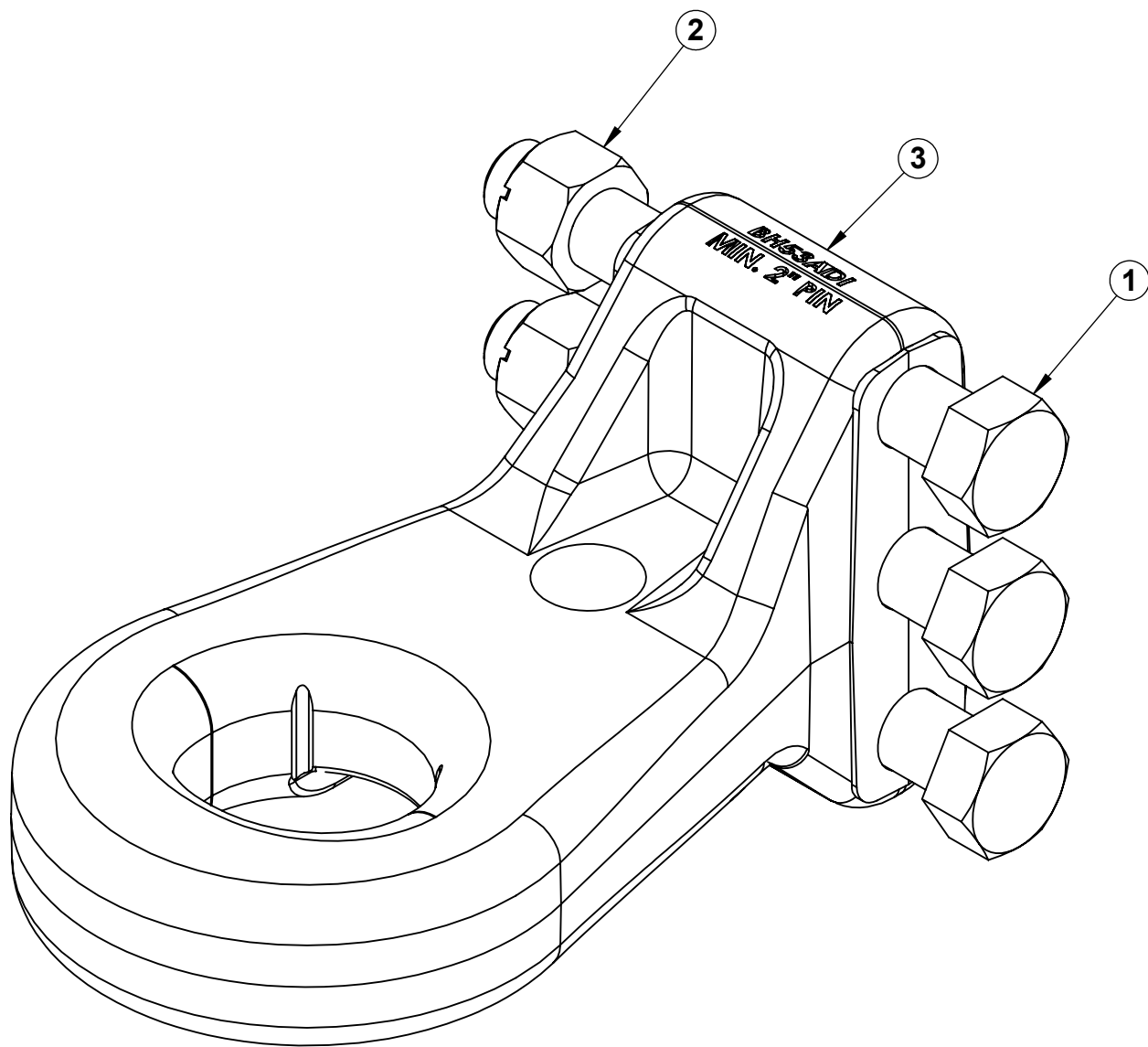
55-2-00371 ASSY, HUB & 20" SMOOTH DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-10-9584	Bolt, Hex M12-1.25 x 20mm 10.9 ZP w/2510 TL Patch	4	
2	90-13-9031	Nut, Flanged Toplock 7/8-14 Grade G ZP	1	
3	90-14-0068	Washer, Flat 7/8 ZP (USS) Thru Hrd	1	
4	90-34-0003	20" DIA DISC, 4-HOLE (SMOOTH)	1	
5	90-34-0028	AGRI-HUB ASSY - SKF #BAA-0049	1	



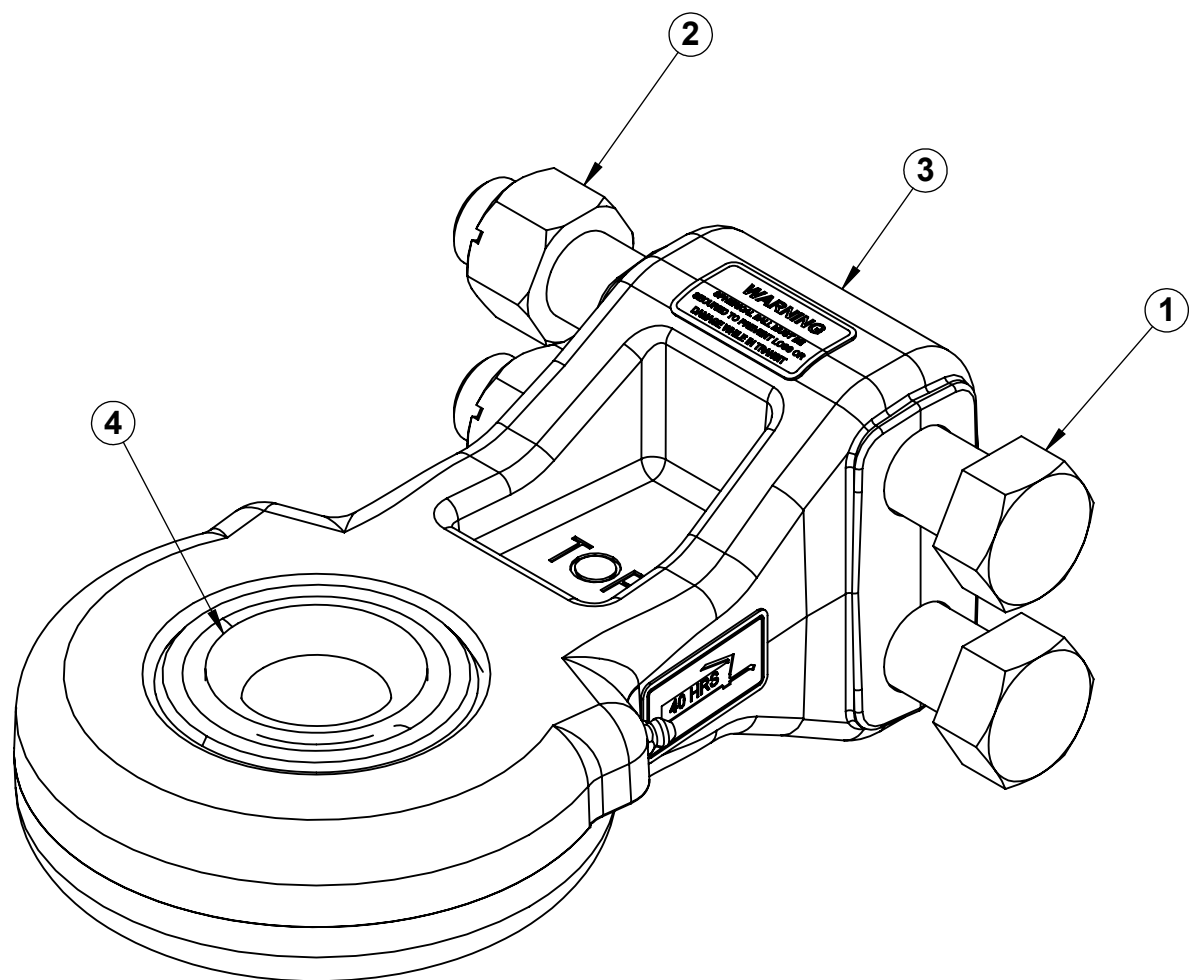
55-2-00250 ASSY, HUB & 18" PLAIN DISC				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-10-9584	Bolt, Hex M12-1.25 x 20mm 10.9 ZP w/2510 TL Patch	4	
2	90-13-9031	Nut, Flanged Toplock 7/8-14 Grade G ZP	1	
3	90-14-0068	Washer, Flat 7/8 ZP (USS) Thru Hrd	1	
4	90-34-0007	18" DIA DISC, 4-HOLE (smooth)	1	
5	90-34-0028	AGRI-HUB ASSY - SKF #BAA-0049	1	



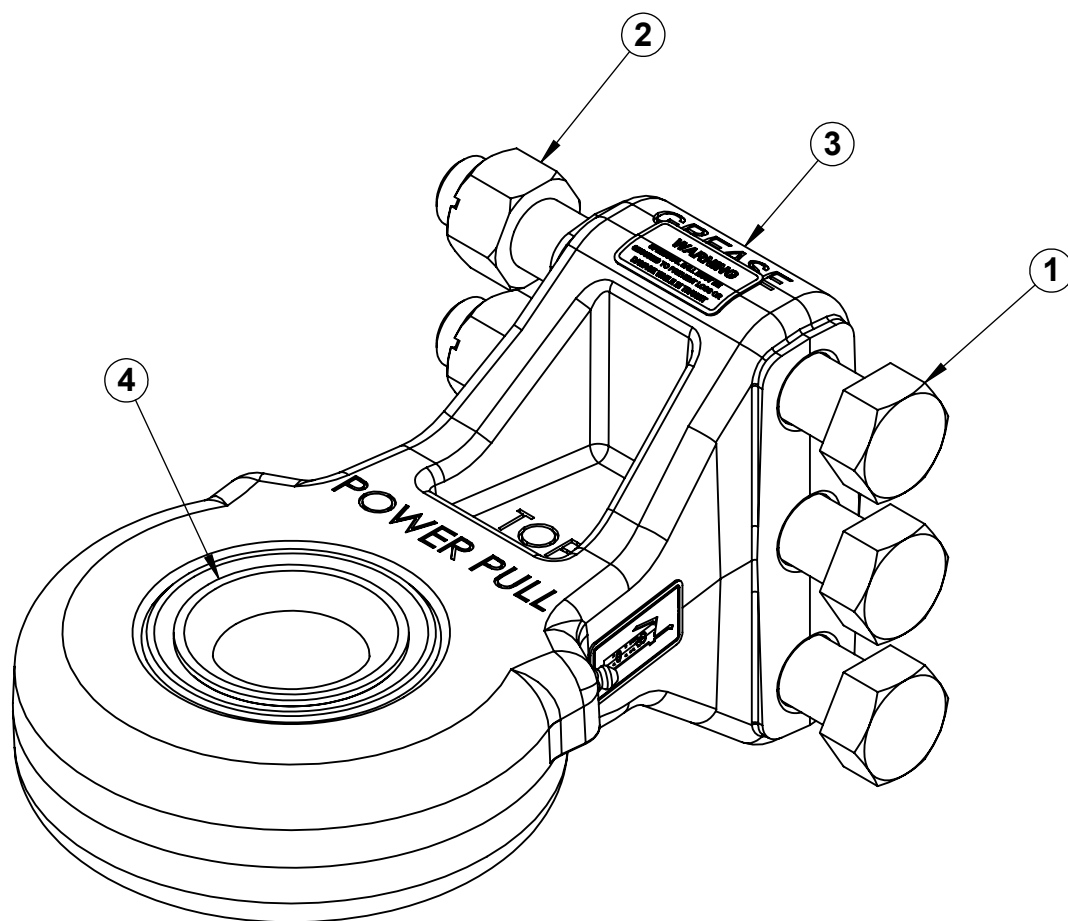
55-0-00394 HITCH, CAT 4 STANDARD			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-3808	Bolt, Hex 1-8 x 7 1/2 Gr8 CZ (Short Thread)	2
2	90-13-1593	Nut, Toplock 1-8 GrC ZP	2
3	90-42-0012	Hitch Tongue Comp. Cat4	1



55-0-00395 HITCH, CAT 5 STANDARD			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-3808	Bolt, Hex 1-8 x 7 1/2 Gr8 CZ (Short Thread)	3
2	90-13-1593	Nut, Toplock 1-8 GrC ZP	3
3	90-42-0026	Hitch Tongue Cat 5 STD	1



55-0-00380 HITCH, CAT 4 ART. BALL			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-3808	Bolt, Hex 1-8 x 7 1/2 Gr8 CZ (Short Thread)	2
2	90-13-1593	Nut, Toplock 1-8 GrC ZP	2
3	90-42-0011	Hitch Tongue Cat 4 Art Ball	1
4	90-42-1004	Bushing, Flanged CAT 4 For 1.50" Dia. Drawpin	1



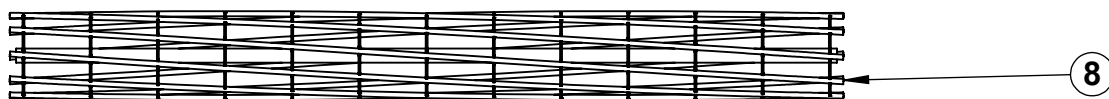
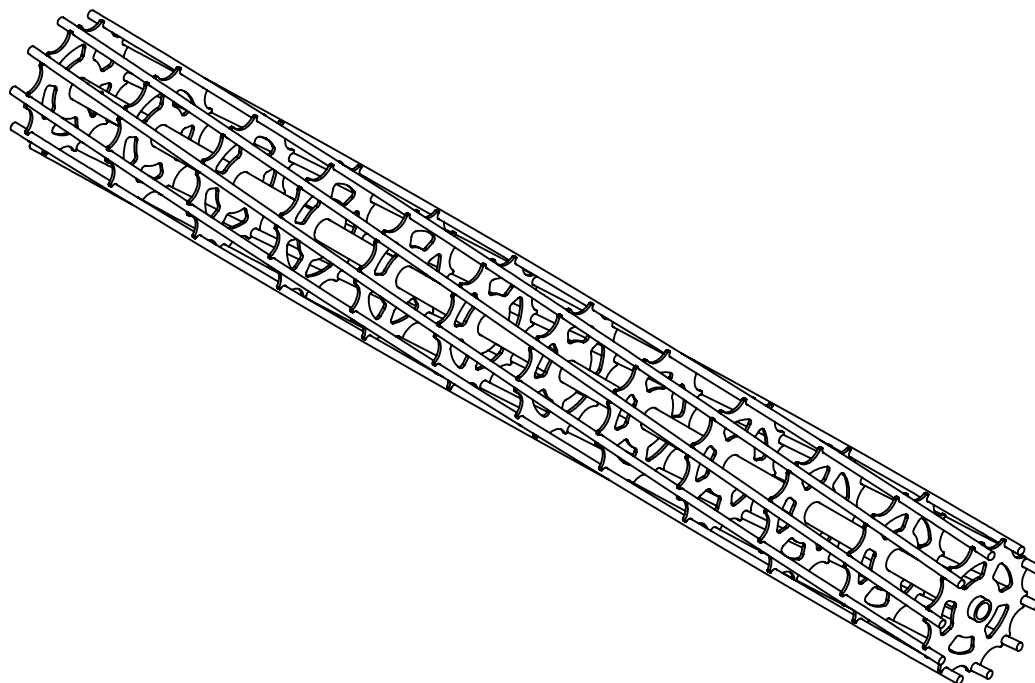
55-0-00396 HITCH, CAT 5 ART. BALL			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-3808	Bolt, Hex 1-8 x 7 1/2 Gr8 CZ (Short Thread)	3
2	90-13-1593	Nut, Toplock 1-8 GrC ZP	3
3	90-42-0027	Hitch Tongue Cat 5 Art Ball	1
4	90-42-1005	Bushing, Flanged CAT 5 For 2.00" Dia. Drawpin	1

COMING SOON

COMING SOON

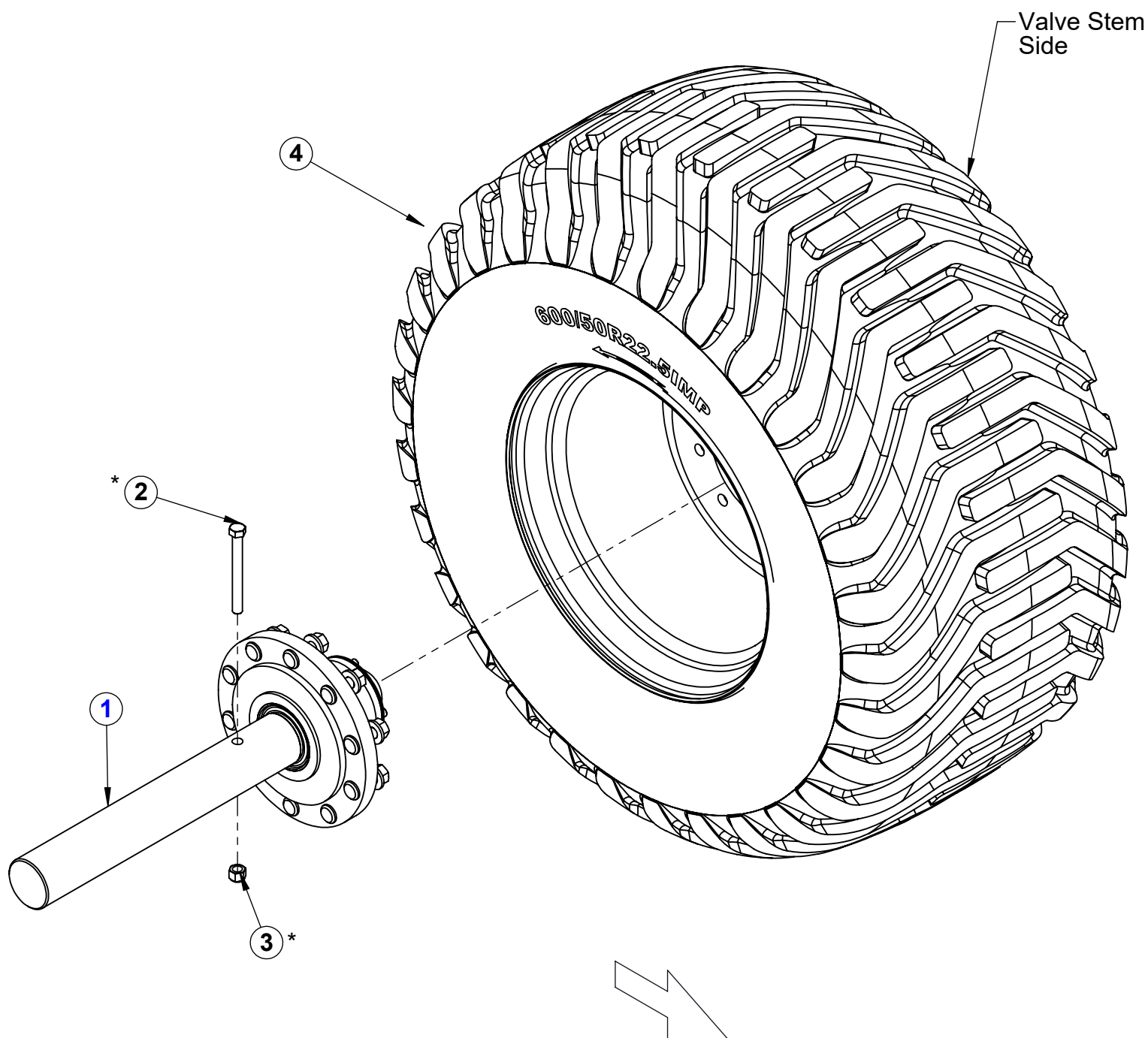
COMING SOON

COMING SOON



55-5-00334 ASSY, HSD CAGE BASKETS

ITEM	PART NUMBER	DESCRIPTION	MODEL SIZE	CENTER	WING
1	55-3-00757	WLDMT, CAGE ROLLER 100	HSD2600 NT	◆	◆
			HSD2900 NT, HSD3250 NT, HSD3600 NT	◆	-
2	55-3-00758	WLDMT, CAGE ROLLER 120	HSD2900 NT	-	◆
3	55-3-00759	WLDMT, CAGE ROLLER 140	HSD3600	◆	◆
			HSD3900, HSD4250, HSD4600, HSD4900, HSD5250	◆	-
			HSD3250 NT	-	◆
4	55-3-00760	WLDMT, CAGE ROLLER 160	HSD3600 NT, HSD3900	-	◆
5	55-3-00761	WLDMT, CAGE ROLLER 180	HSD3900 NT, HSD4250	-	◆
6	55-3-00762	WLDMT, CAGE ROLLER 200	HSD4600	-	◆
7	55-3-00763	WLDMT, CAGE ROLLER 220	HSD4900	-	◆
8	55-3-00764	WLDMT, CAGE ROLLER 240	HSD5250	-	◆

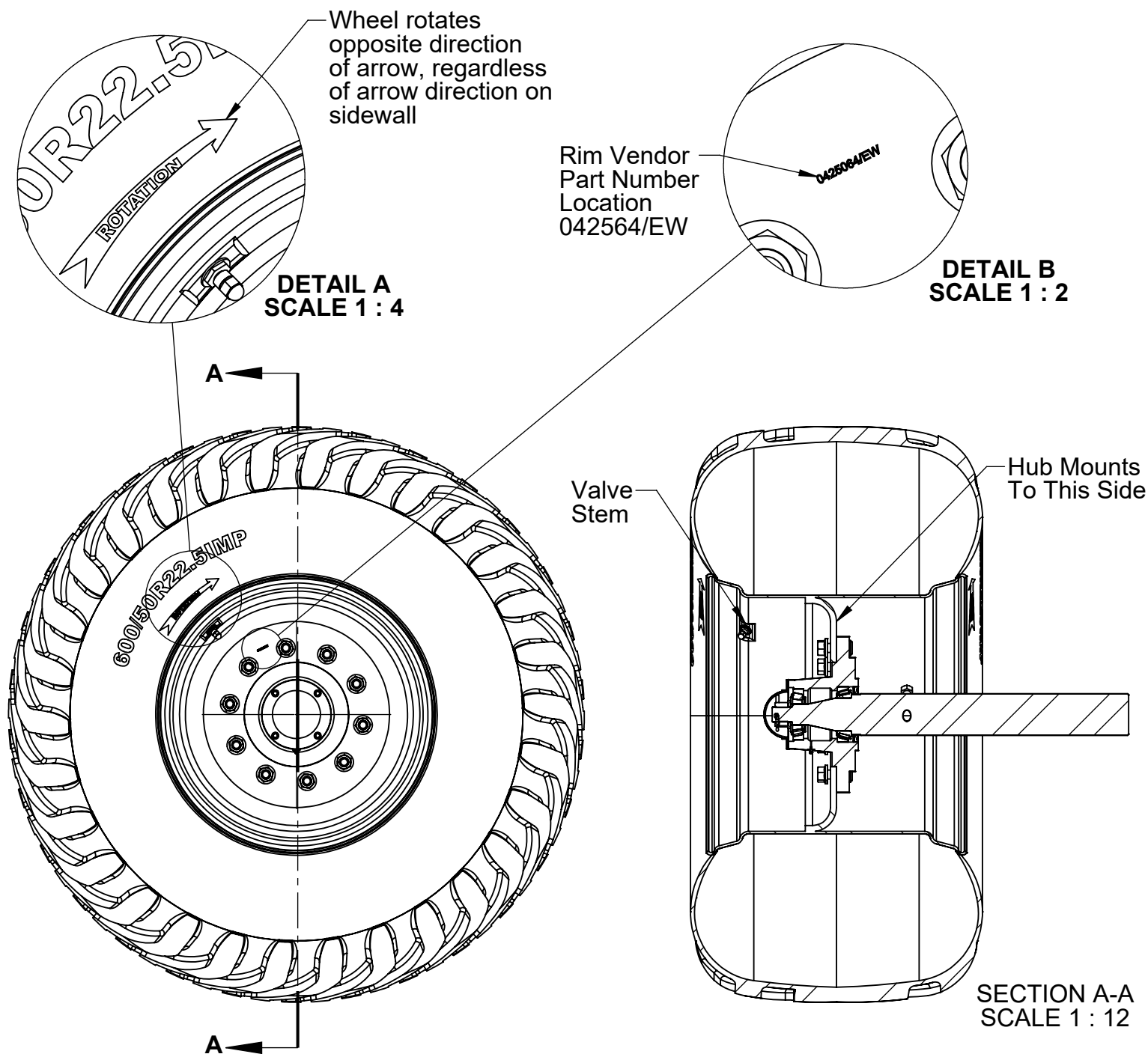


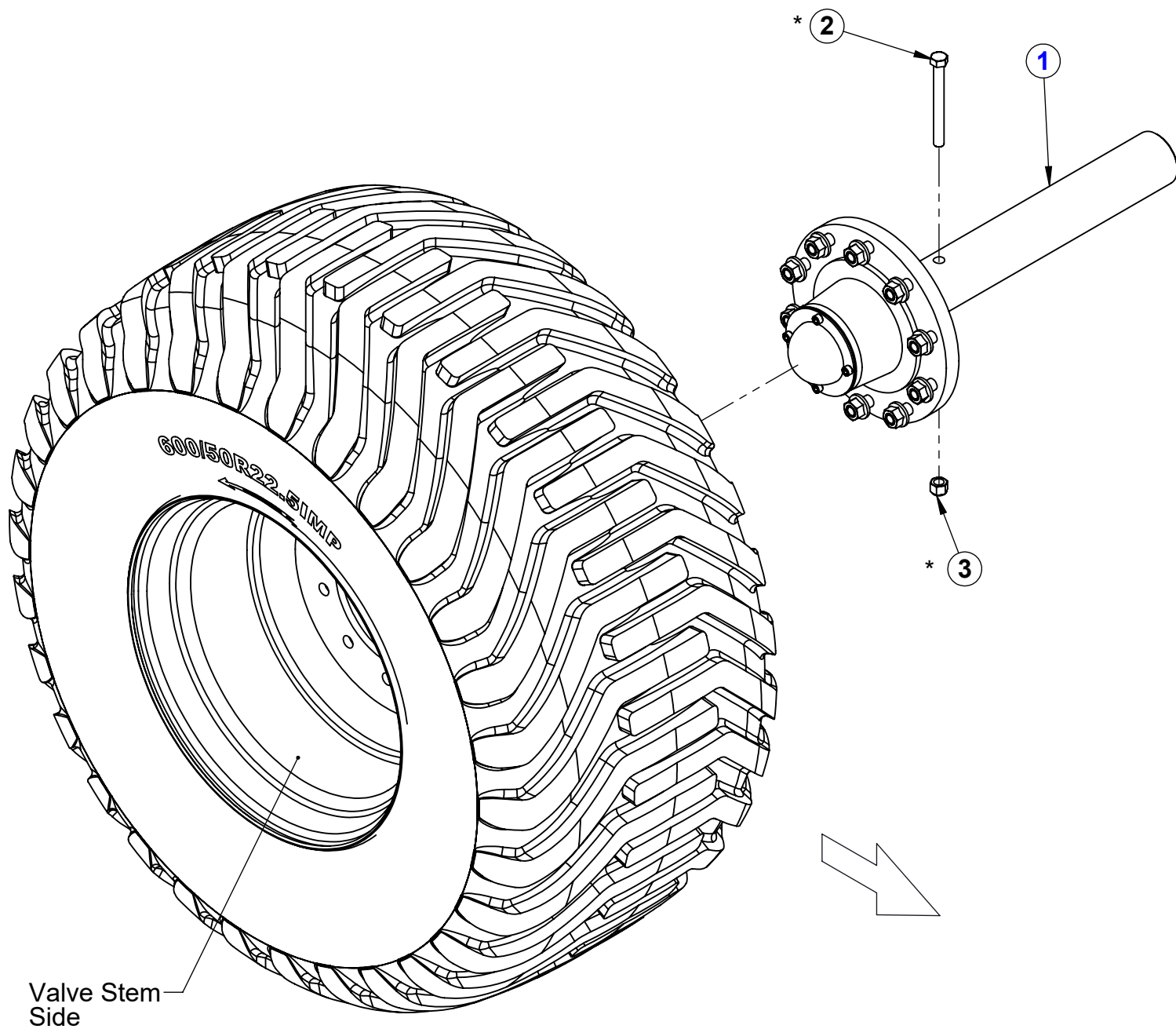
55-2-00517 ASSY, KWIK TILL WHEEL-600/50R22.5, LH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0012	Wheel & Tire Assy, 600/50R22.5 (Silver)	1	

Note:

1. * The items indicated are shown for reference only, and must be assembled during final assembly.



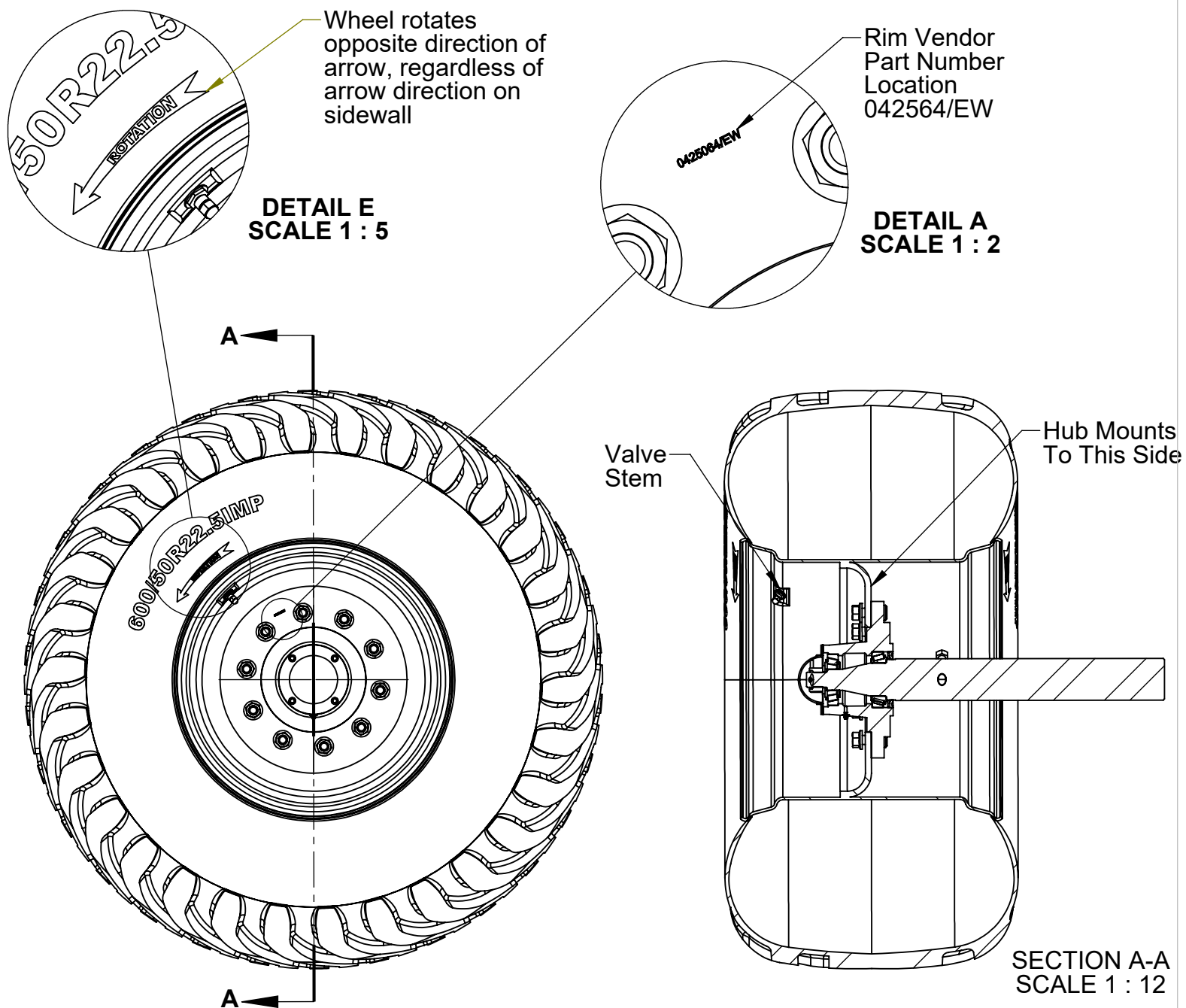


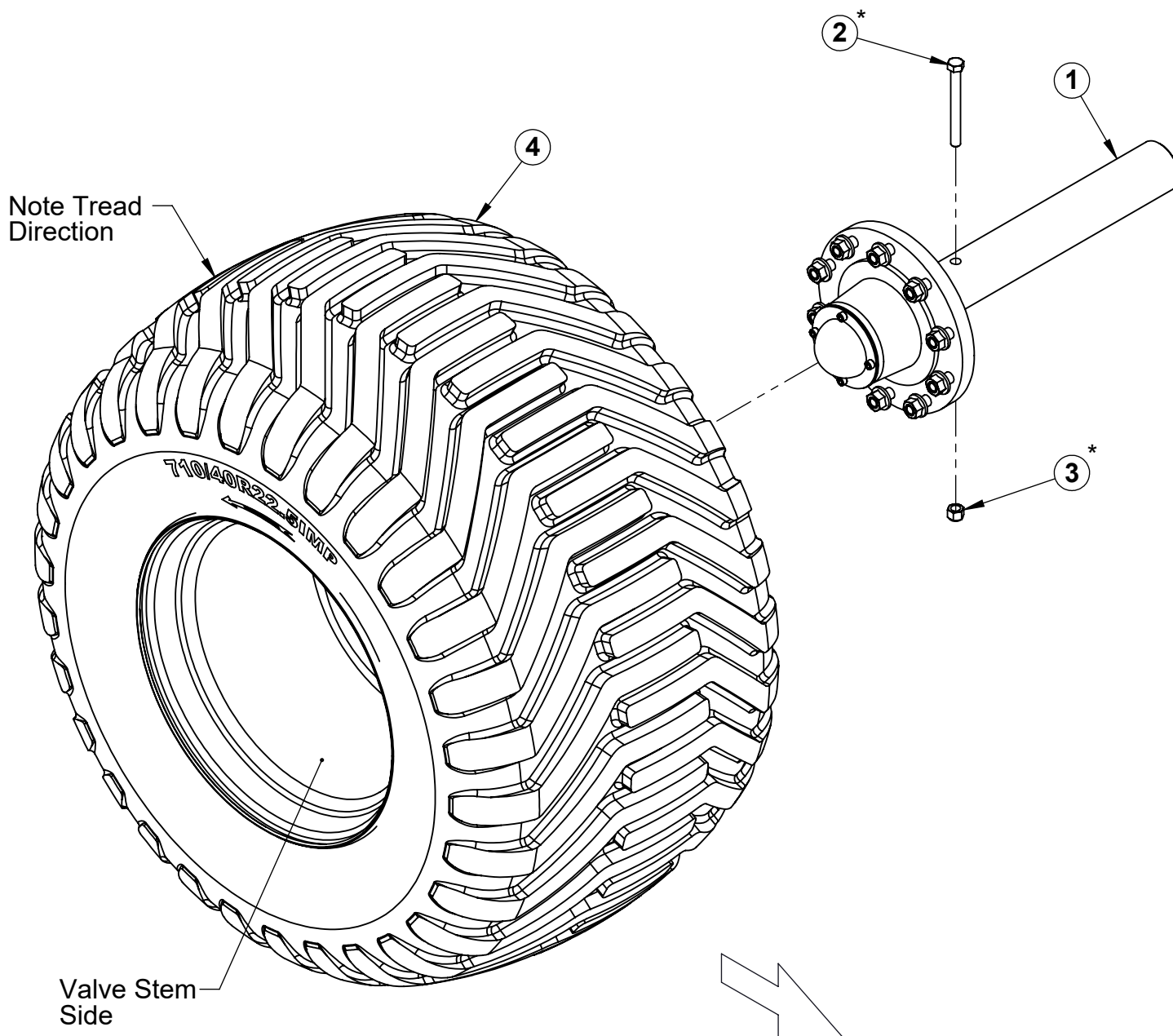
55-2-00237 ASSY, KWIK TILL WHEEL-600/50R22.5, RH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0012	ASSY, TIRE AND RIM - RH 600/50R22.5	1	

Note:

- * The items indicated are shown for reference only, and must be assembled during final assembly.



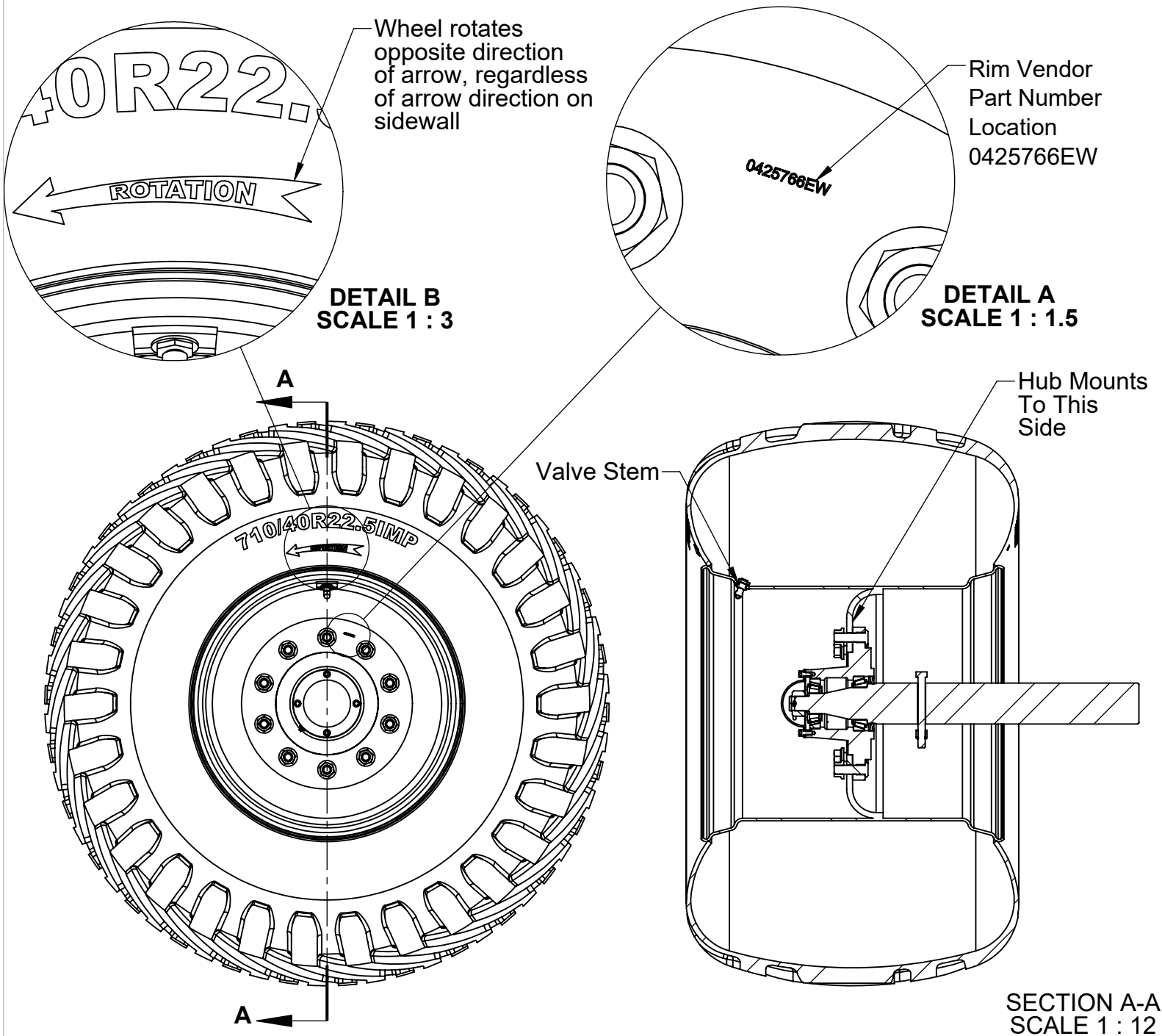


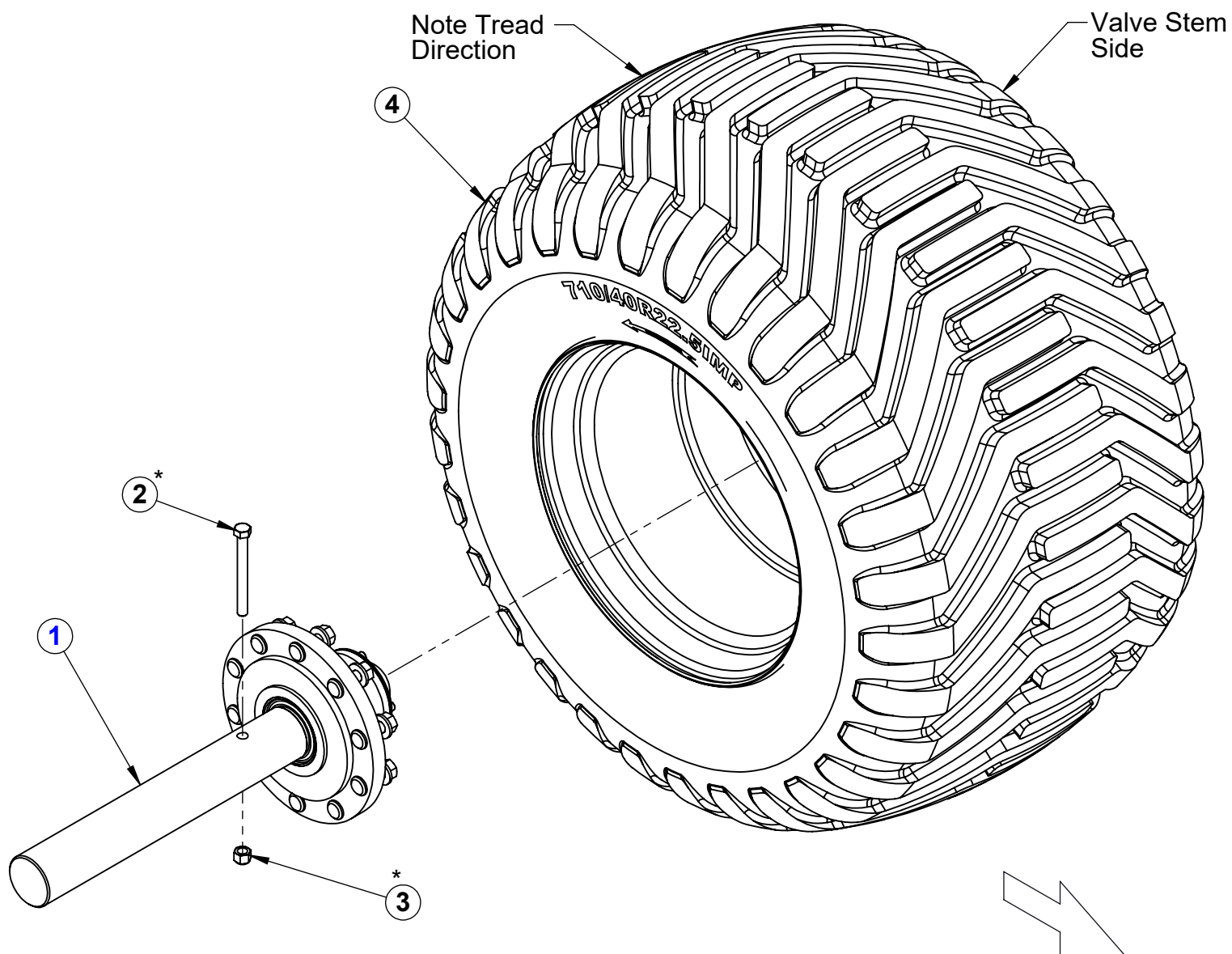
55-2-00383 ASSY, KWIK TILL WHEEL-710/40R, LH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0023	Wheel & Tire Assy, 710/40R22.5 (Silver)	1	

Note:

1. * The items indicated are shown for reference only, and must be assembled during final assembly.





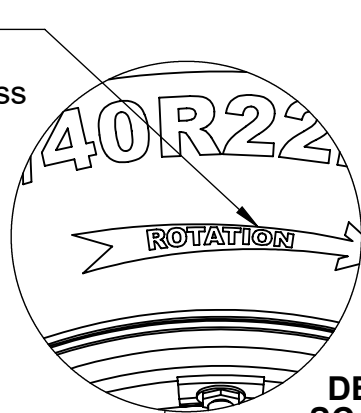
55-2-00518 ASSY, KWIK TILL WHEEL-710/40R, RH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0023	Wheel & Tire Assy, 710/40R22.5 (Silver)	1	

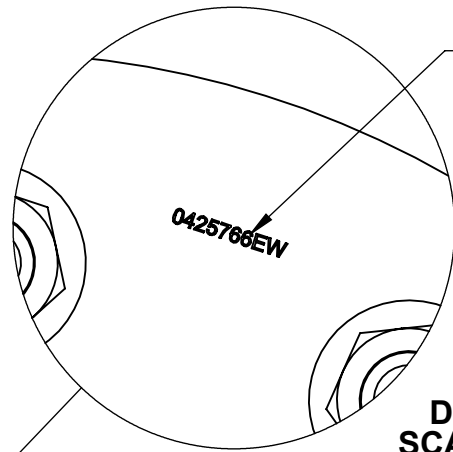
Note:

1. * The items indicated are shown for reference only, and must be assembled during final assembly.

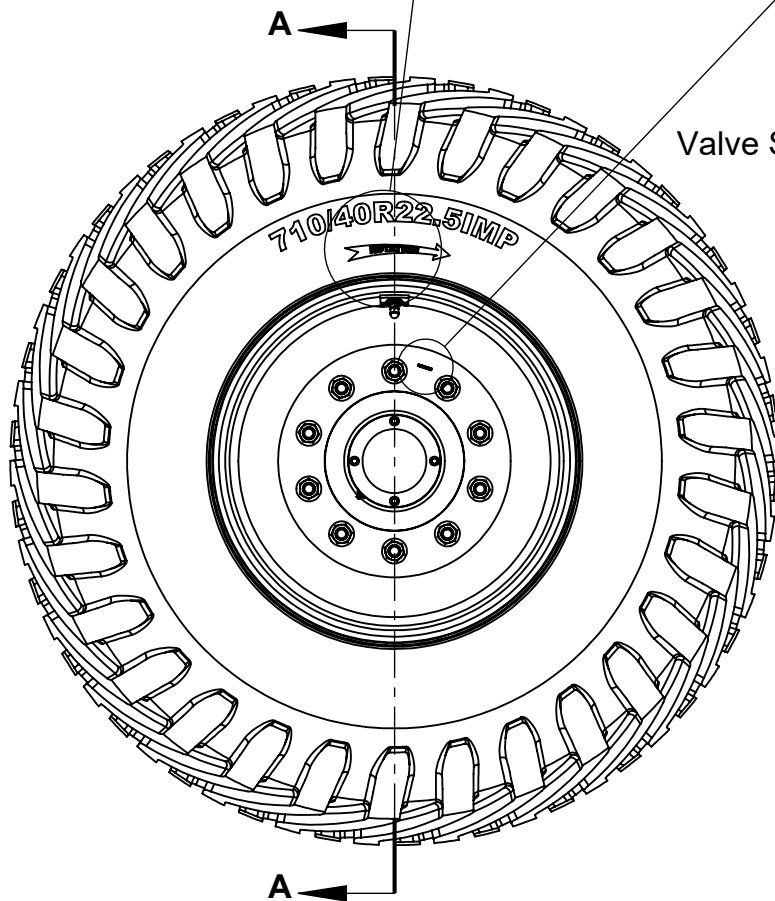
Wheel rotates opposite direction of arrow, regardless of arrow direction on sidewall



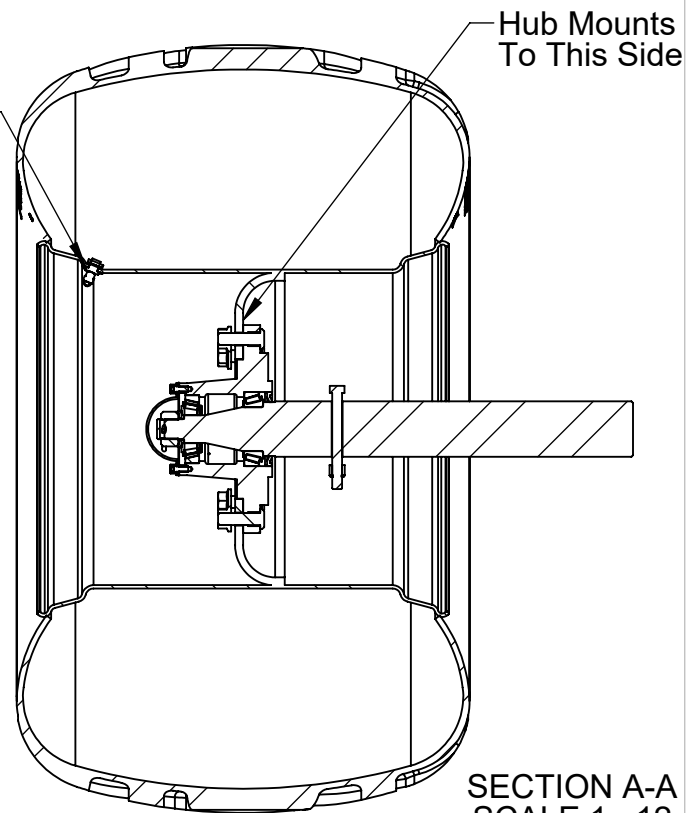
DETAIL E
SCALE 1 : 4



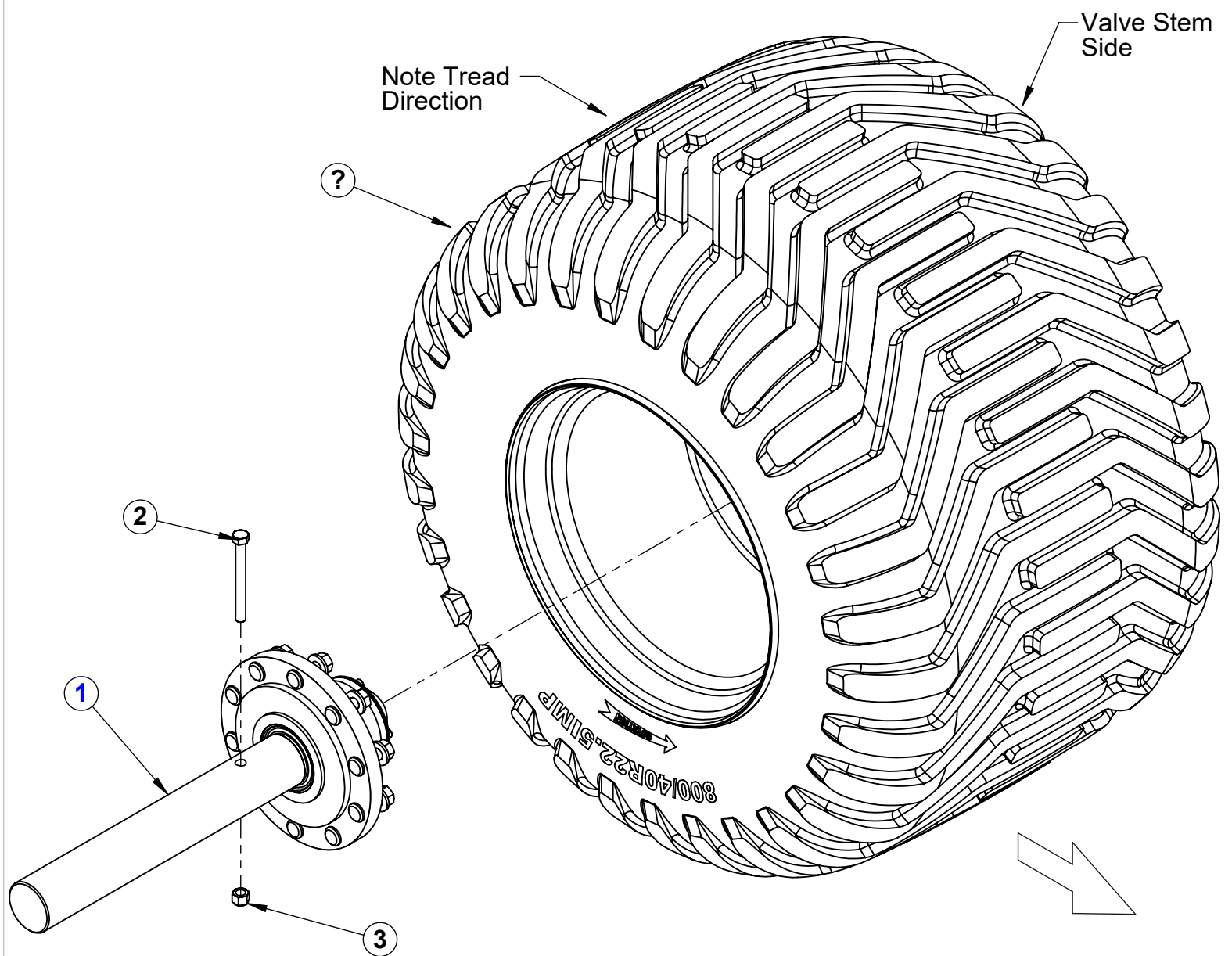
DETAIL D
SCALE 1 : 1.5



Valve Stem



SECTION A-A
SCALE 1 : 12

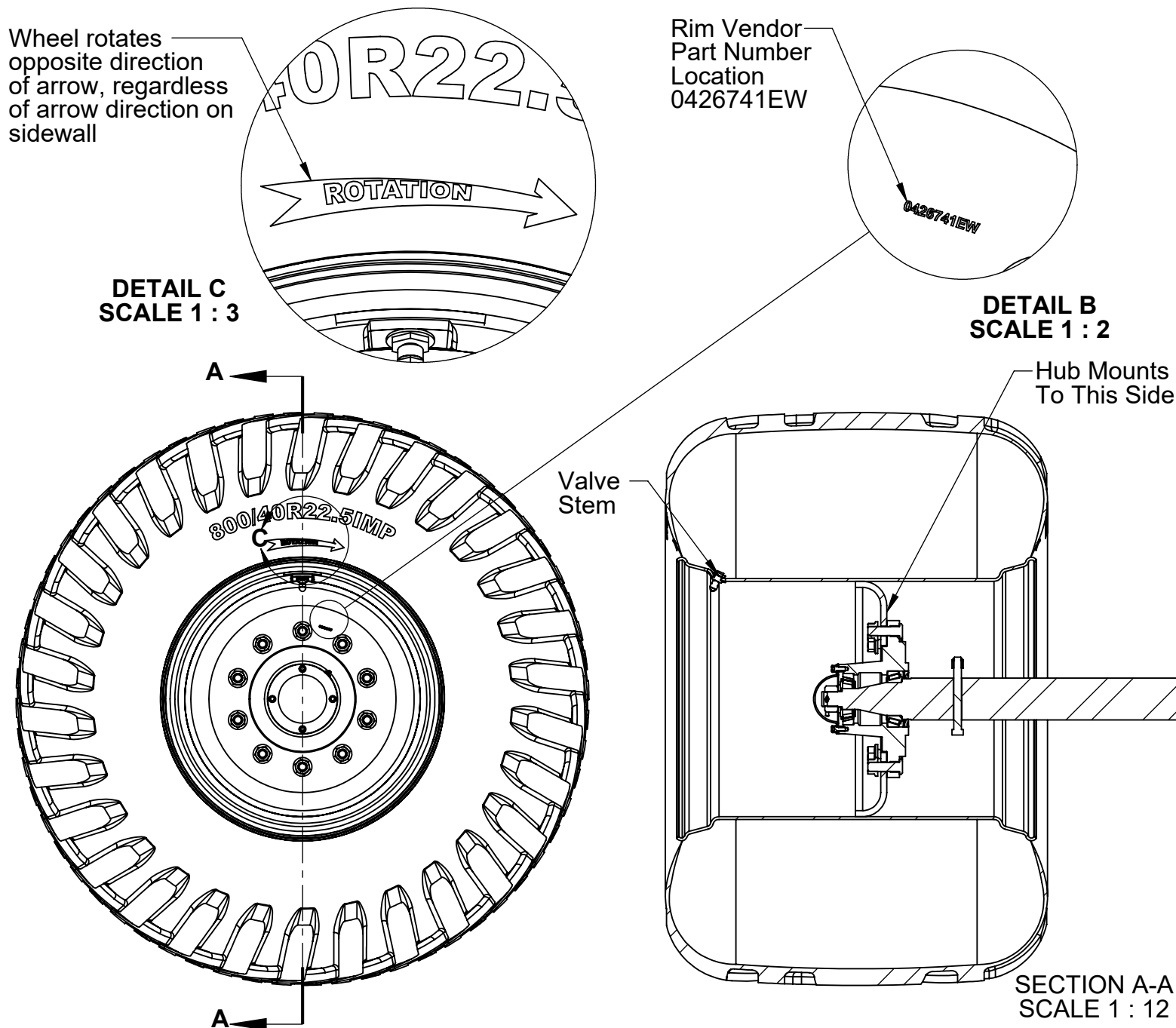


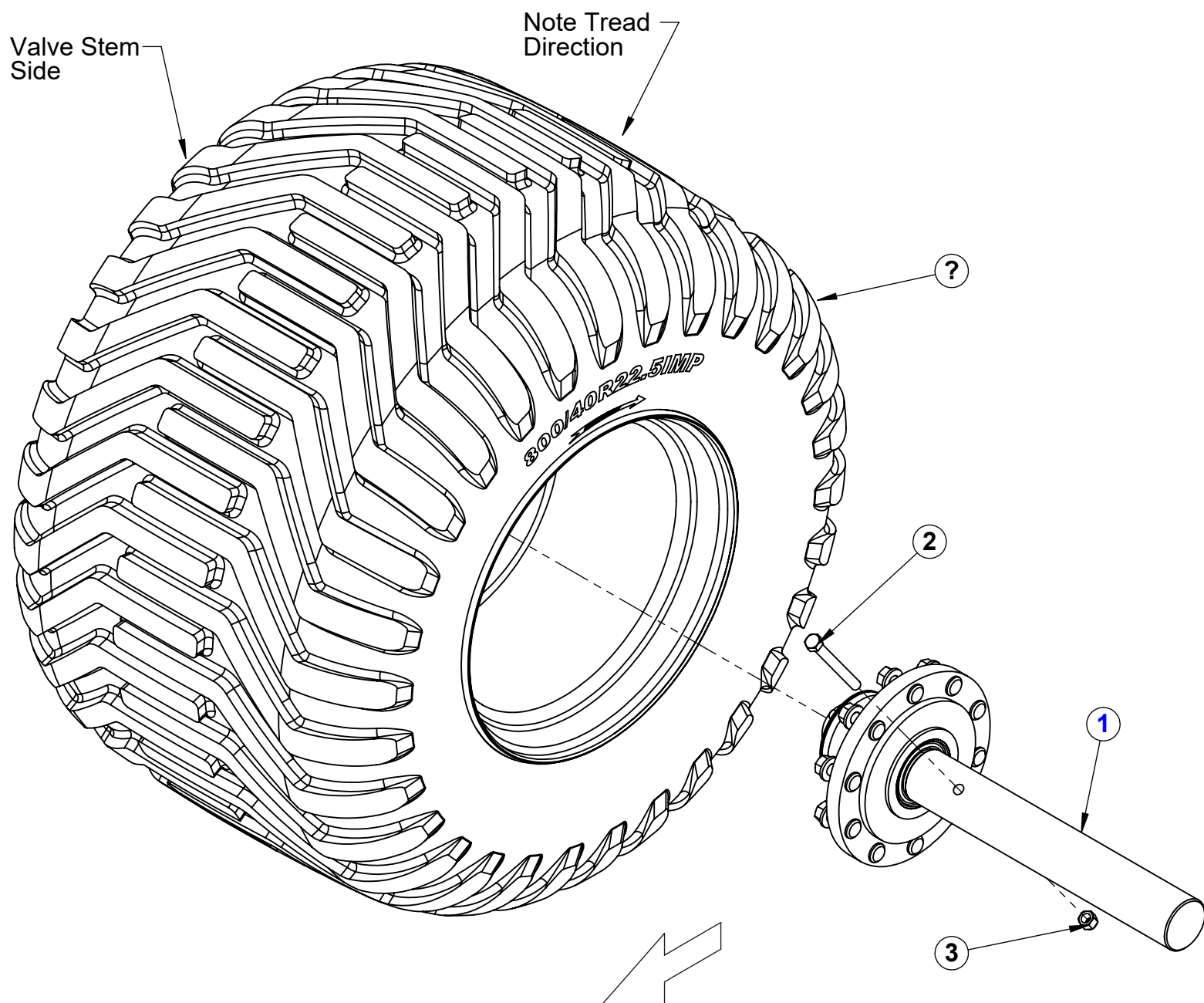
55-2-00519 ASSY, KWIK TILL WHEEL-800/40R22.5, LH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0058	Wheel & Tire Assy, 800/40R22.5 LH Trailing Silver	1	

Note:

1. * The items indicated are shown for reference only, and must be assembled during final assembly.





55-2-00520 ASSY, KWIK TILL WHEEL-800/40R22.5, RH HUB, & SPINDLE

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00266	ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB	1	
2	90-10-2389	Bolt, Hex 5/8-11 x 6 Gr5 ZP	1	
3	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	1	
4	90-43-0059	Wheel & Tire Assy, 800/40R22.5 RH Trailing Silver	1	

Note:

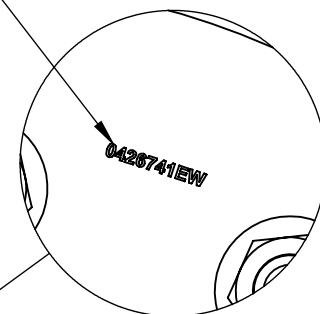
- * The items indicated are shown for reference only, and must be assembled during final assembly.

Wheel rotates
opposite direction
of arrow, regardless
of arrow direction on
sidewall

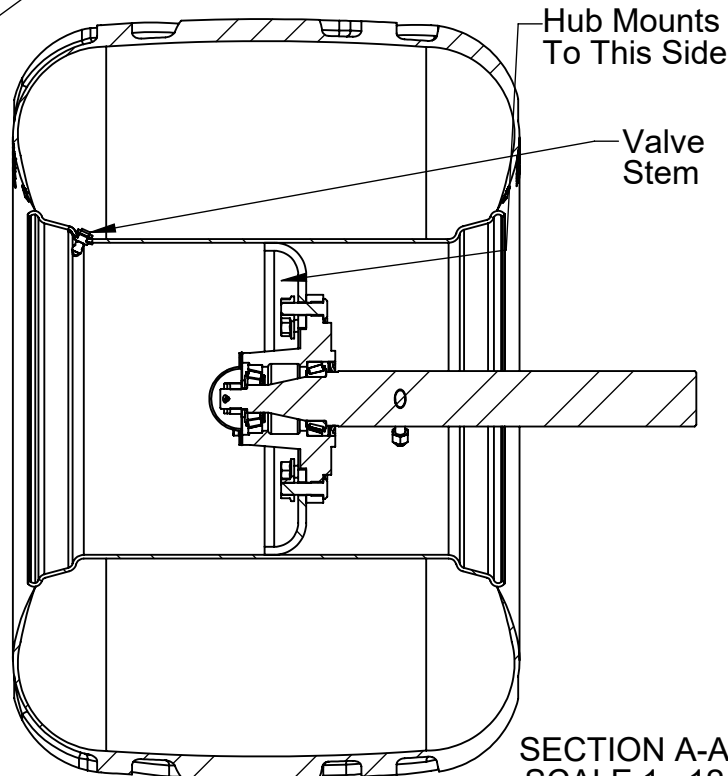
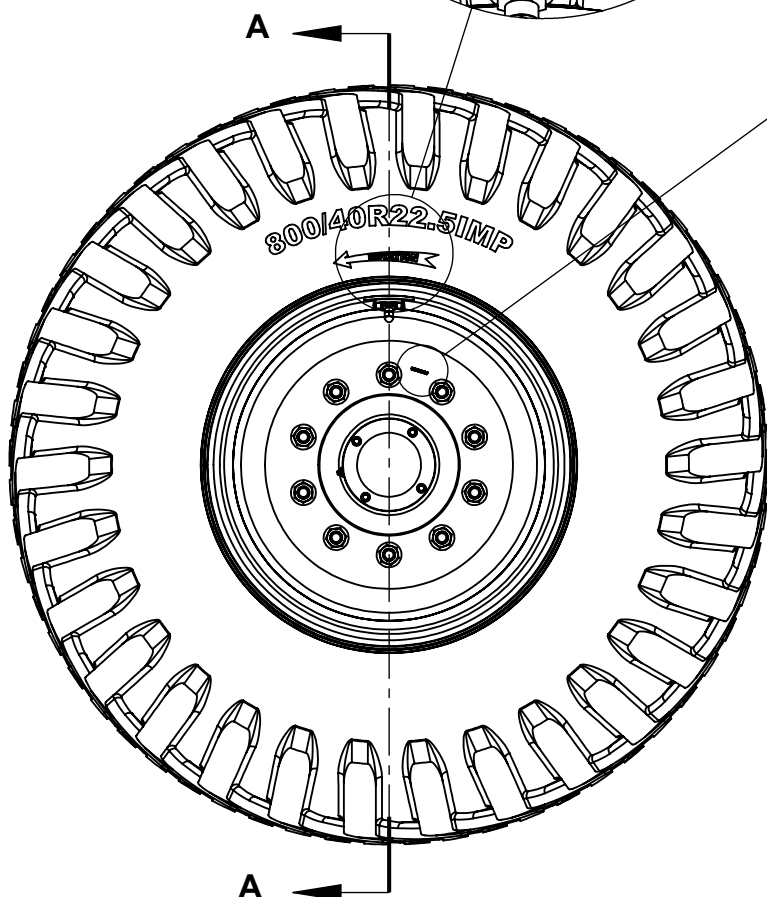
DETAIL C
SCALE 1 : 3



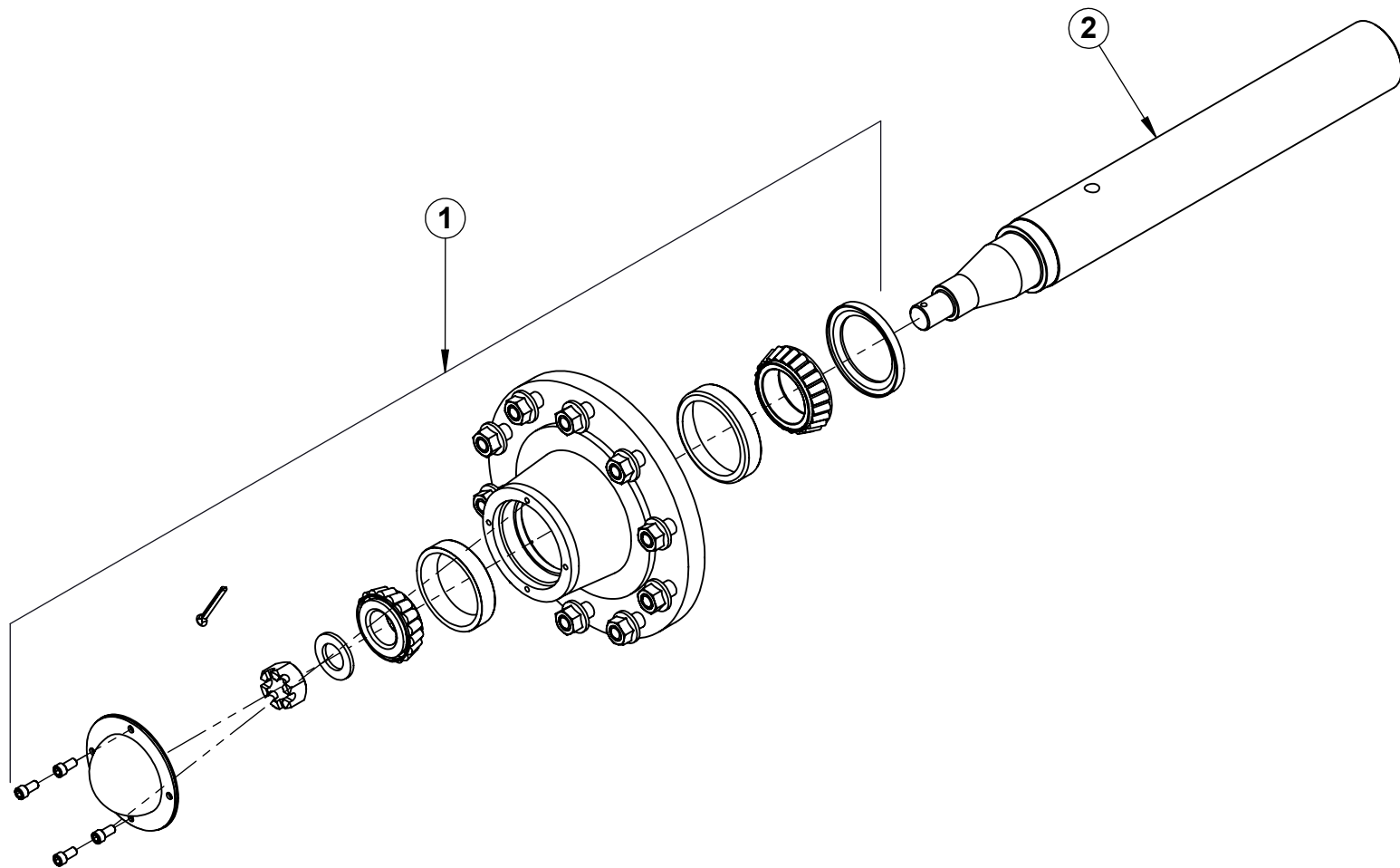
Rim Vendor
Part Number
Location
0426741EW



DETAIL B
SCALE 1 : 2

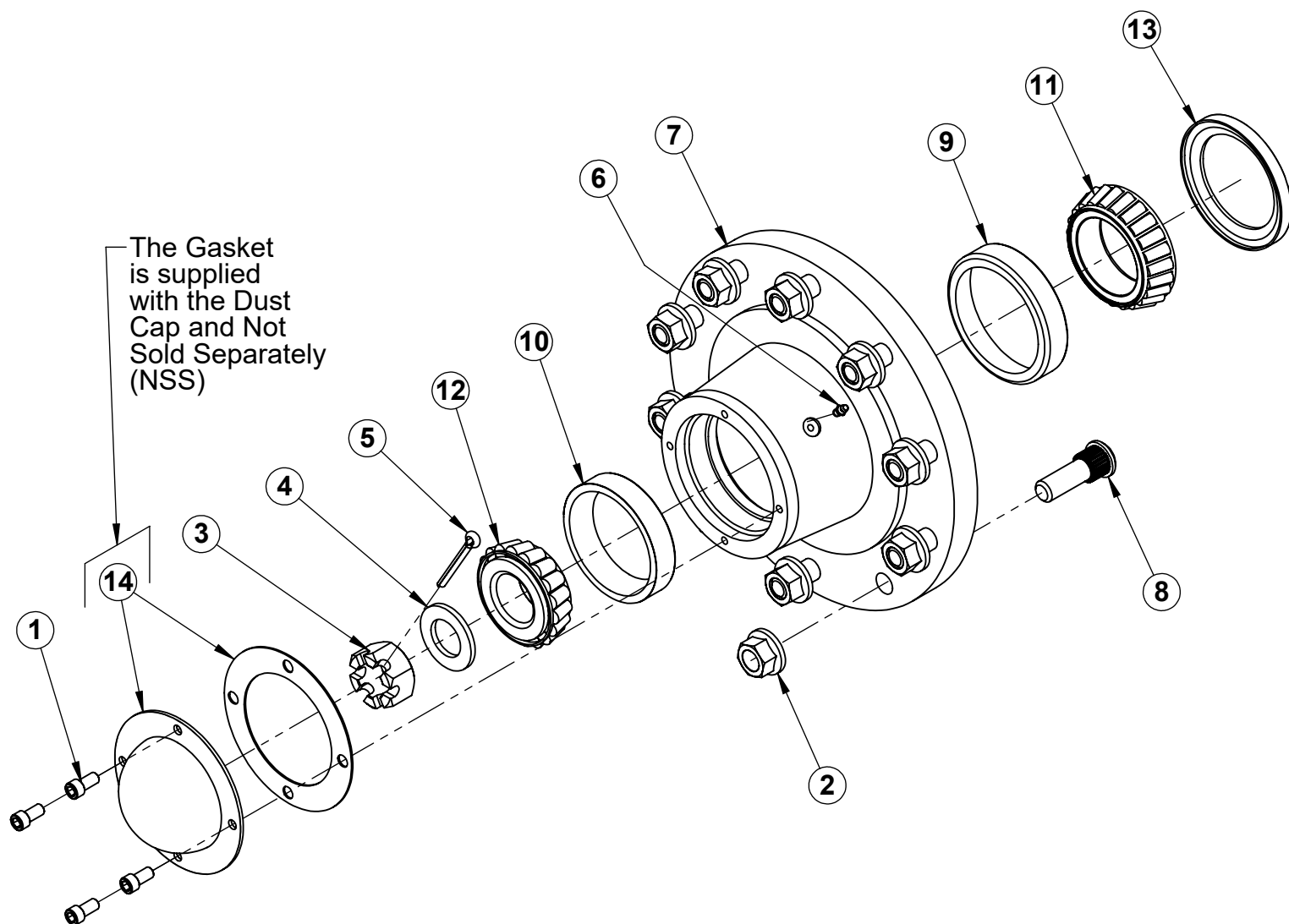


SECTION A-A
SCALE 1 : 12

Kwik-Till

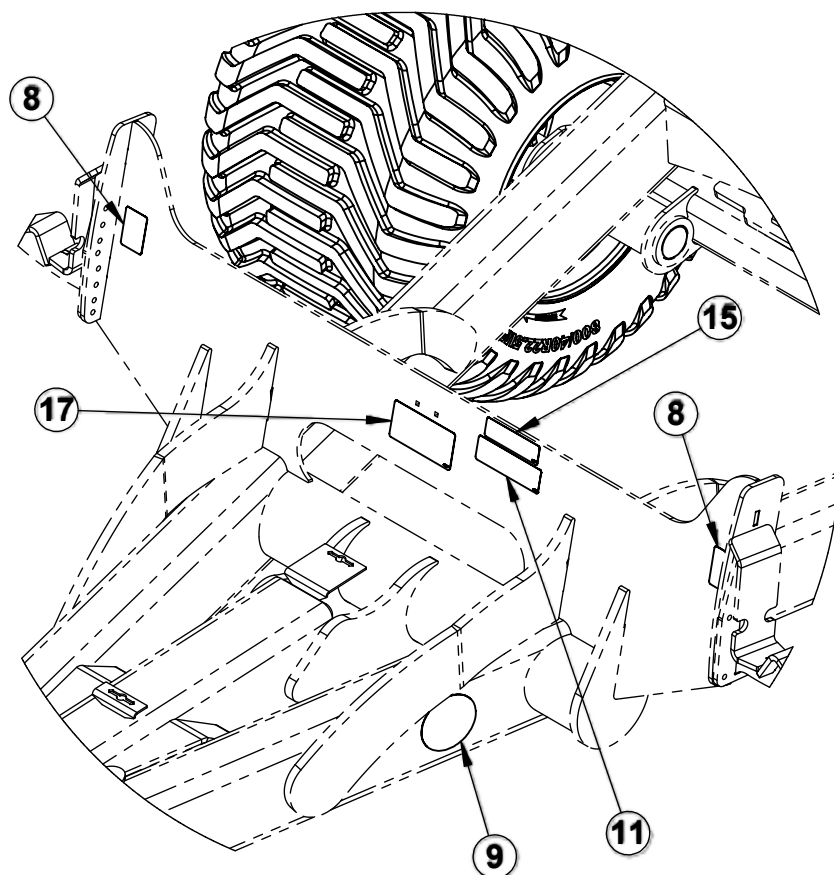
55-2-00266 ASSY, KWIK-TILL 10 BOLT SPINDLE & HUB				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-43-2003	HUB ASSEMBLY, 10 BOLT	1	
2	90-43-3002	SPINDLE,10 BOLT HUB	1	

- The Gasket is supplied with the Dust Cap and Not Sold Separately (NSS)

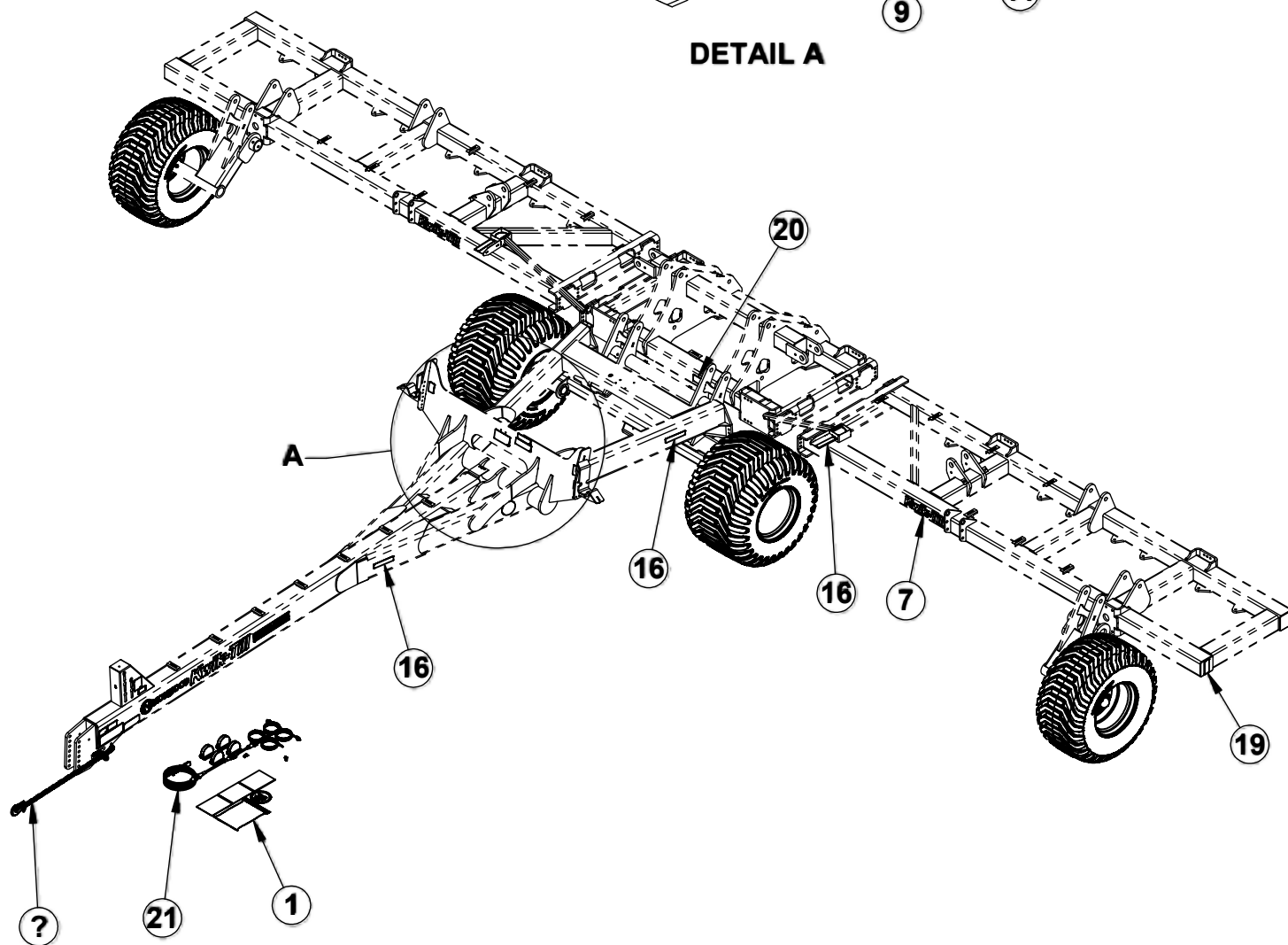


90-43-2003 HUB ASSEMBLY, 10 BOLT

ITEM	PART NUMBER	DESCRIPTION	Vendor PN	QTY.
1	90-10-8089	Bolt, Socket 3/8-24 x 3/4 Gr8	963Z380191	4
2	90-13-3106	Nut, Flanged 3/4-16 Gr5 ZP	573Z341	10
3	90-13-3593	Nut, Slotted 1 1/4-12 Gr5 ZP	575Z1A1	1
4	90-14-0591	Washer, Thick 1 1/4 Clear Zinc	9813301	1
5	90-16-0291	Pin, Cotter 1/4 x 2 1/2 ZP	58111	1
6	90-23-0002	Grease Fitting, Straight, 1/4-28	986Z141	1
7	90-43-1017	Hub, 10 Bolt, 11.25" BC, 8.69 Pilot, 2.76 Bore	61LZQ1002	1
8	90-43-1018	Bolt, Wheel Stud, 3/4-16 x 2-5/8"	572Z341	10
9	90-43-1019	Cup, Hub (33462)	59933462	1
10	90-43-1020	Cup, Hub (453A)	599453A	1
11	90-43-1021	Cone, Bearing (33275)	59833275	1
12	90-43-1022	Cone, Bearing (460)	598460	1
13	90-43-1023	Seal, Grease (33772)	5491181	1
14	90-43-1024	Cap, Dust (10-Bolt) With Gasket	56110801	1

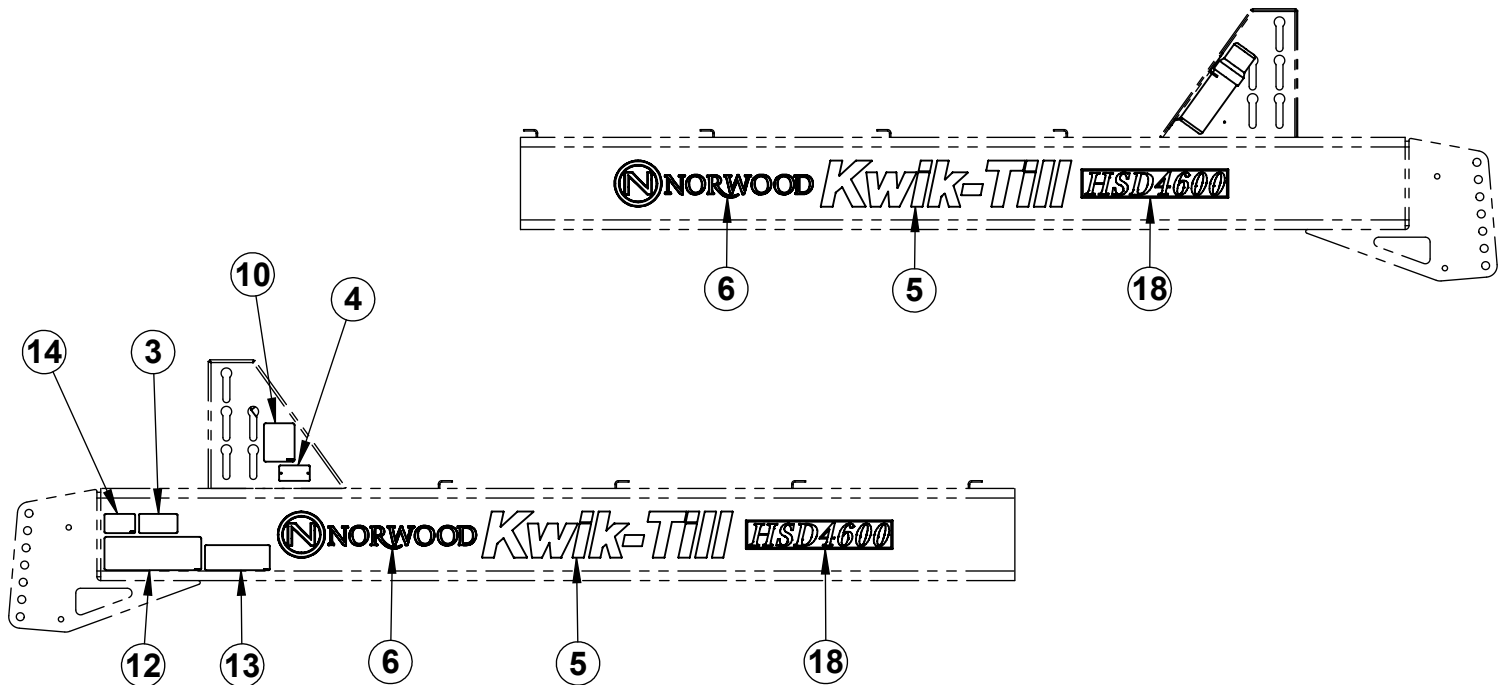


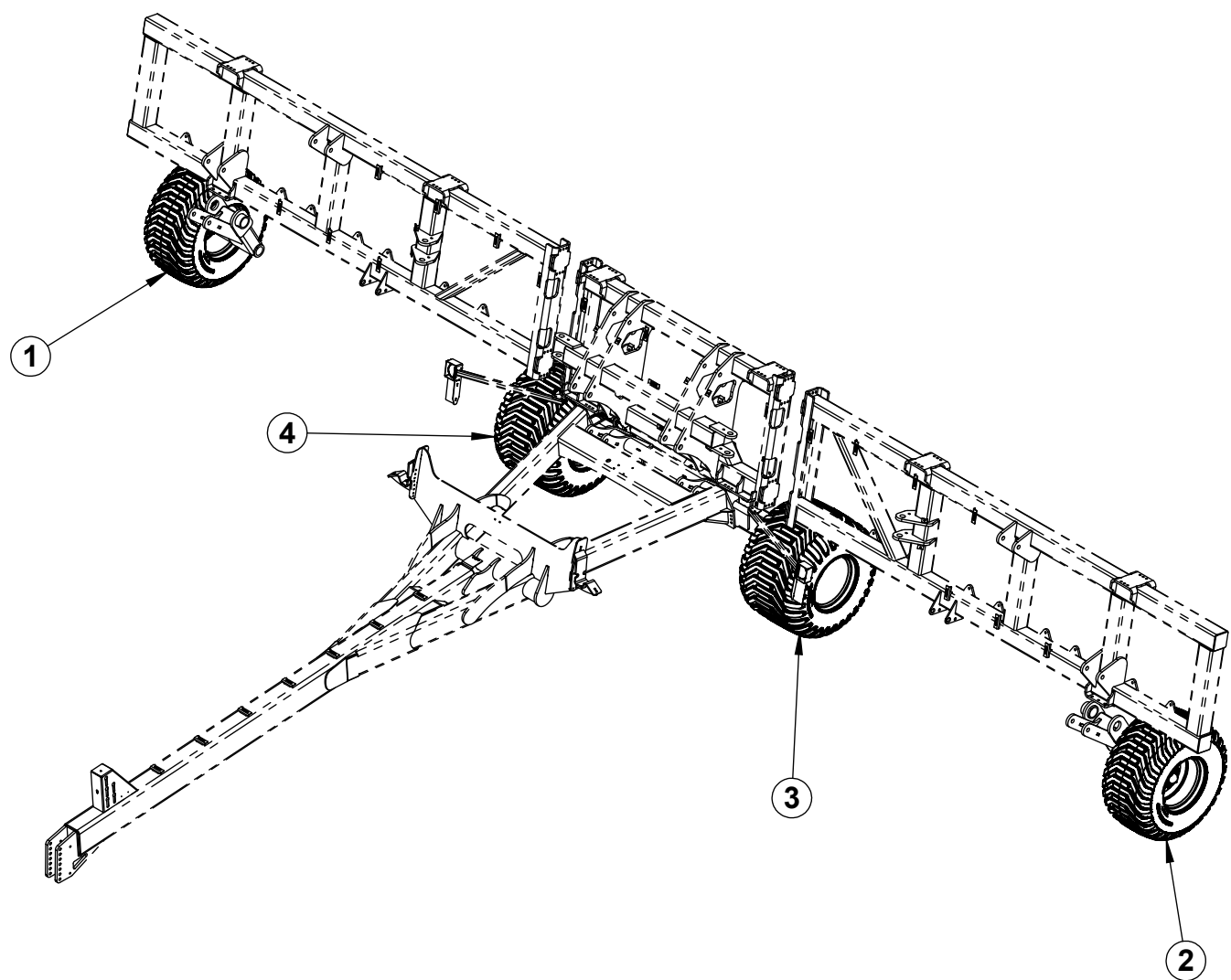
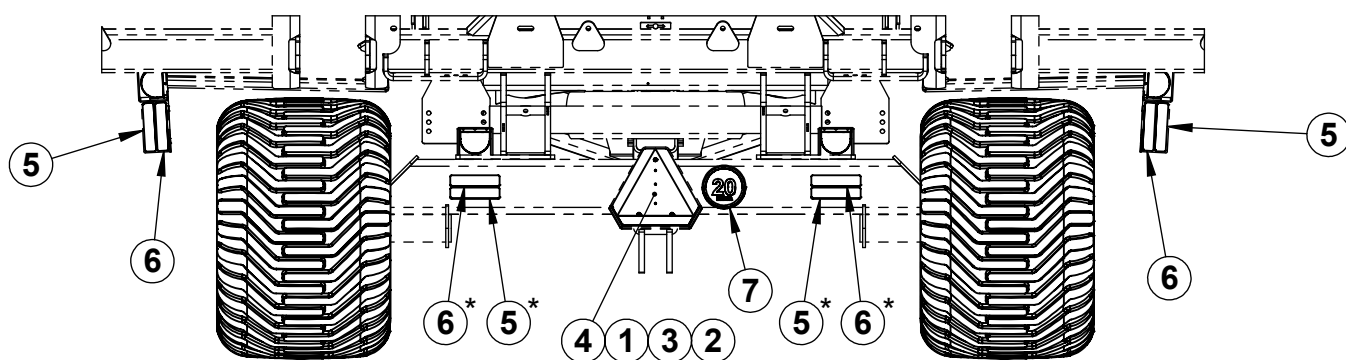
DETAIL A



55-5-00351 ASSY, HSD BRANDING KIT

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-5-00329	Kit, Owners Kwik-Till Kwik-Till 3-Section HSD2600 - 4600	1
2	90-42-0019	ASSY, SAFETY CHAIN-40,000 LB	1
3	90-44-0192	Decal, Place in Float-Small	1
4	90-44-0198	Decal, Kwik-Till Serial Number Tag	1
5	90-44-0199	Decal, Kwik-Till (6")	2
6	90-44-0209	Decal, Norwood (6")	2
7	90-44-0211	Decal, Kwik-Till (Small)	2
8	90-44-0255	Decal, Warning Pinch & Crushing Hazard (Vertical)	2
9	90-44-0265	Decal, Made in the USA (6" Circle)	2
10	90-44-0392	Decal, Information - Hose Color Chart	1
11	90-44-0394	Decal, Danger To Avoid Injury Stand Clear	1
12	90-44-0395	Decal, Warning Tongue & Transport Speed	1
13	90-44-0396	Decal, Warning Hydraulic Hazard	1
14	90-44-0398	Decal, Warning Fully Charged System	1
15	90-44-0399	Decal, Danger Do Not Contact Electric Lines	1
16	90-44-0410	Decal, Yellow Retroreflective	6
17	90-44-0449	Decal, Place in Float-Large	1
18	90-44-0680	HSD2600 Brand Label Decal	2
	90-44-0681	HSD2900 Brand Label Decal	2
	90-44-0682	HSD3250 Brand Label Decal	2
	90-44-0683	HSD3600 Brand Label Decal	2
	90-44-0684	HSD3900 Brand Label Decal	2
	90-44-0685	HSD4250 Brand Label Decal	2
	90-44-0686	HSD4600 Brand Label Decal	2
19	90-44-0690	Decal, Danger To Avoid Injury Stand Clear	2
20	90-44-0710	Decal, Cast Pivot Info	1
21	90-46-0030	Kit, LED Ag lighting with Flasher Control 30ft Lead (2600-2900 Sizes Only)	1
	90-46-0031	Kit, LED Ag lighting with Flasher Control 20ft Lead (All Sizes Besides 2600-2900)	1





55-5-00351 ASSY, HSD BRANDING KIT

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-0013	Bolt, Hex 1/4-20 x 3/4 Gr5 ZP	3
2	90-13-2561	Nut, Nylock 1/4-20 Gr5 ZP	3
3	90-14-0035	Washer, Flat 1/4 ZP (SAE)	6
4	90-44-0181	SMV SIGN	1
5	90-44-0411	Decal, Red Retroreflective	4
6	90-44-0412	Decal, Orange Fluorescent	4
7	90-44-0560	Decal, Speed Identification Symbol (SIS) 20 mph	1

Note:

1. * The items indicated are excluded on the NT frame sizes

2600-3250 Wheels

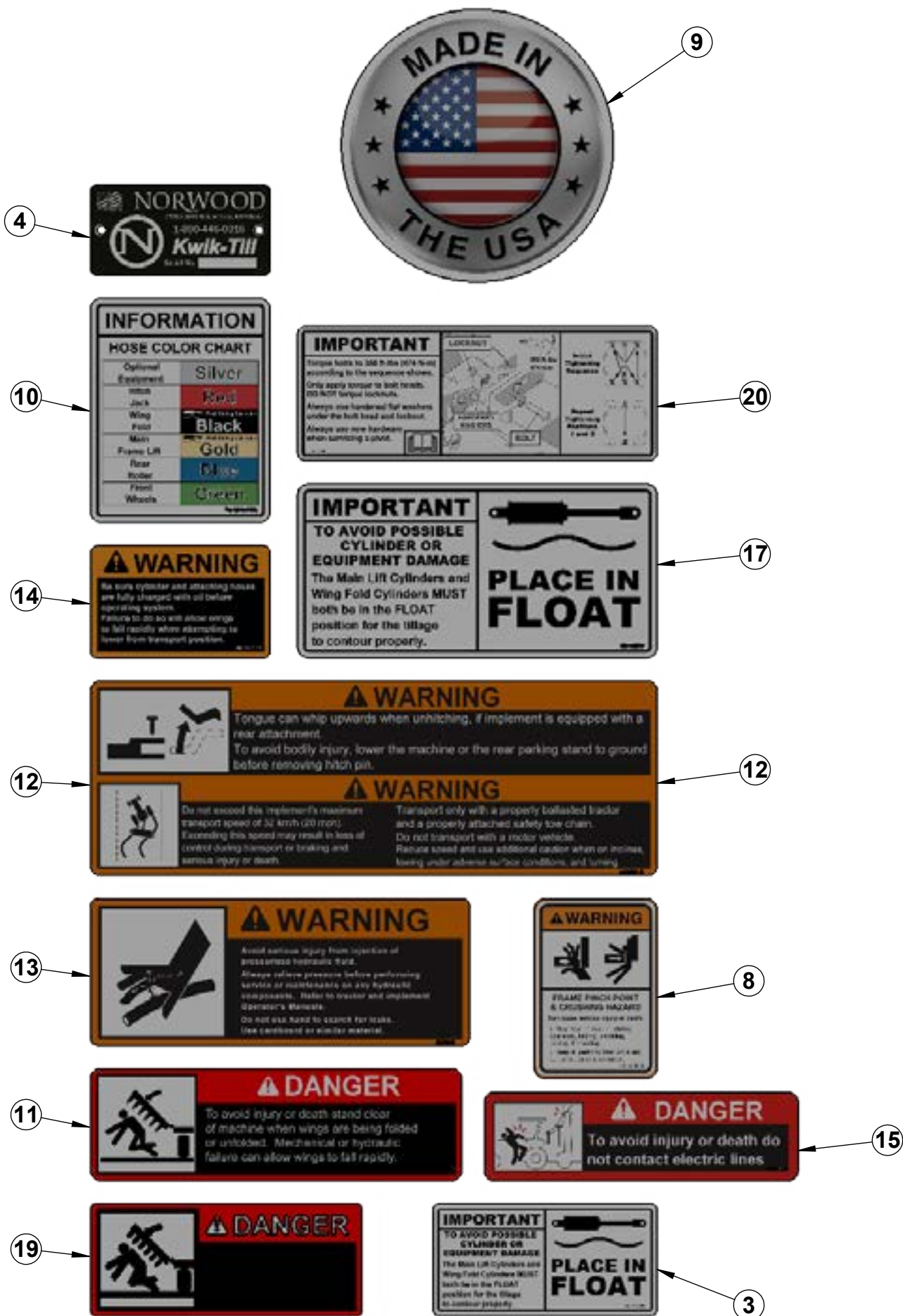
ITEM	PART NUMBER	DESCRIPTION	QTY.
1 & 4	55-2-00237	ASSY, KWIK TILL WHEEL-600/50R22.5, RH HUB, & SPINDLE	2
2 & 3	55-2-00517	ASSY, KWIK TILL WHEEL-600/50R22.5, LH HUB, & SPINDLE	2

3600-3900 Wheels

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00237	ASSY, KWIK TILL WHEEL-600/50R22.5, RH HUB, & SPINDLE	1
2	55-2-00517	ASSY, KWIK TILL WHEEL-600/50R22.5, LH HUB, & SPINDLE	1
3	55-2-00383	ASSY, KWIK TILL WHEEL-710/40R, LH HUB, & SPINDLE	1
4	55-2-00518	ASSY, KWIK TILL WHEEL-710/40R, RH HUB, & SPINDLE	1

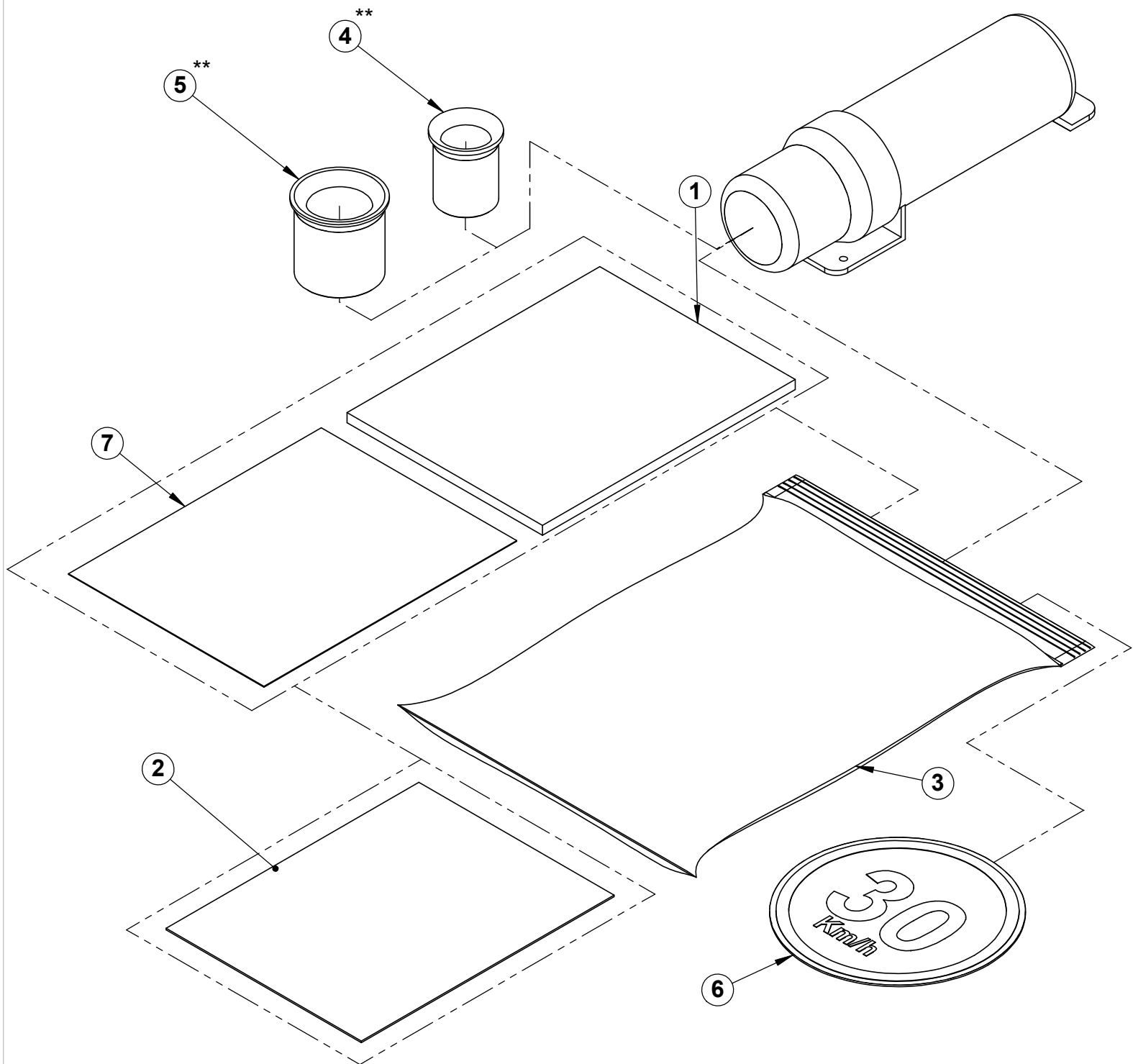
4250-4600 Wheels

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00237	ASSY, KWIK TILL WHEEL-600/50R22.5, RH HUB, & SPINDLE	1
2	55-2-00517	ASSY, KWIK TILL WHEEL-600/50R22.5, LH HUB, & SPINDLE	1
3	55-2-00519	ASSY, KWIK TILL WHEEL-800/40R22.5, LH HUB, & SPINDLE	1
4	55-2-00520	ASSY, KWIK TILL WHEEL-800/40R22.5, RH HUB, & SPINDLE	1



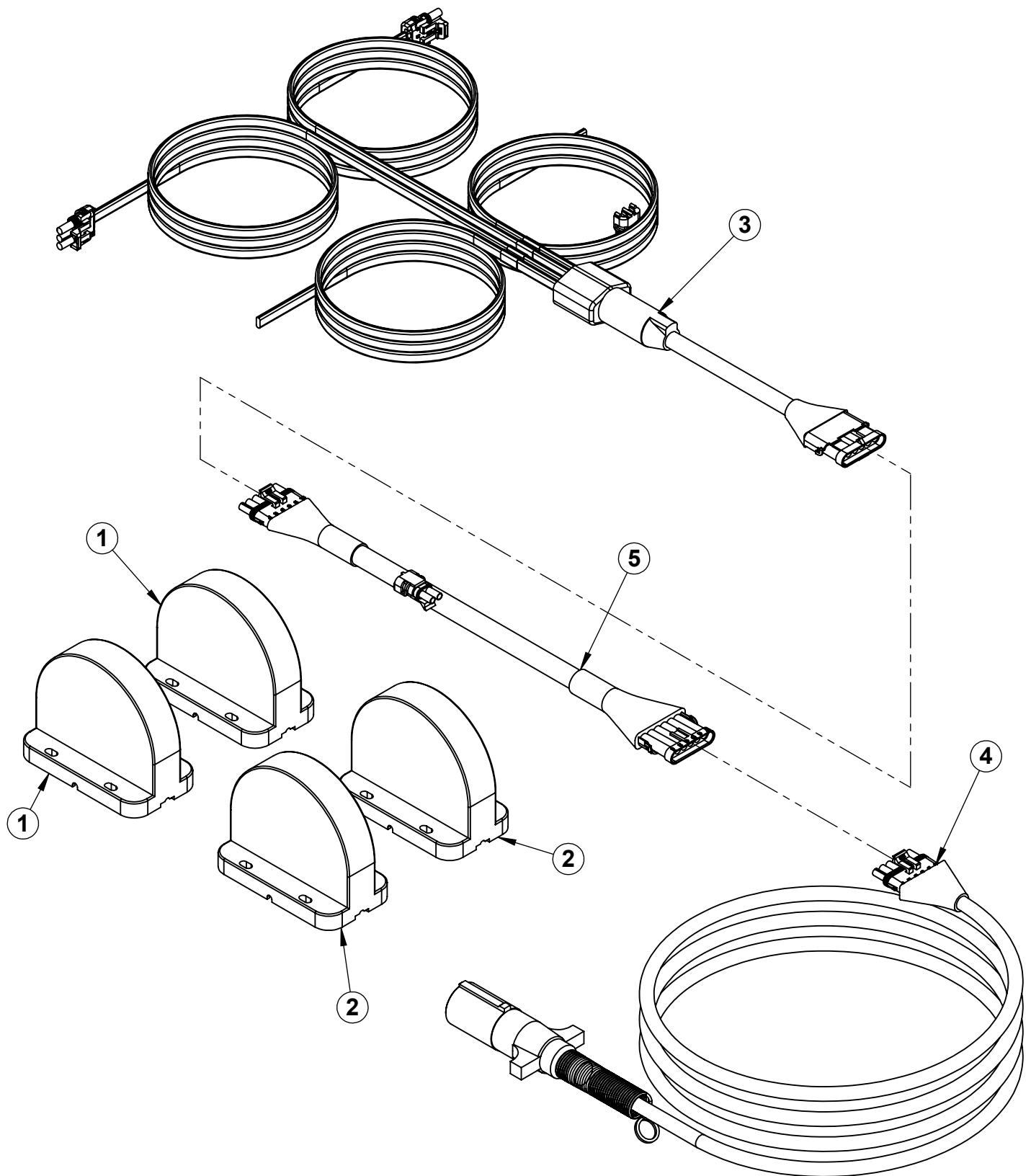
55-5-00351 HSD4600 KIT, NORWOOD DECALS

ITEM	PART NUMBER	DESCRIPTION	QTY.
3	90-44-0192	Decal, Place in Float-Small	1
4	90-44-0198	Decal, Kwik-Till Serial Number Tag	1
8	90-44-0255	Decal, Warning Pinch & Crushing Hazard (Vertical)	2
9	90-44-0265	Decal, Made in the USA (6" Circle)	2
10	90-44-0392	Decal, Information - Hose Color Chart	1
11	90-44-0394	Decal, Danger To Avoid Injury Stand Clear	1
12	90-44-0395	Decal, Warning Tongue & Transport Speed	1
13	90-44-0396	Decal, Warning Hydraulic Hazard	1
14	90-44-0398	Decal, Warning Fully Charged System	1
15	90-44-0399	Decal, Danger Do Not Contact Electric Lines	1
17	90-44-0449	Decal, Place in Float-Large	1
19	90-44-0690	Decal, Danger To Avoid Injury Stand Clear	2
20	90-44-0710	Decal, Cast Pivot Info	1



55-5-00329 Kit, Owners Kwik-Till Kwik-Till 3-Section HSD2600 - 4600			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-5-00319	Operator's Manual, Kwik-Till 3-Section HSD2600-HSD4600 2024	1
2	55-5-00322	Kwik-Start Guide, Kwik-Till HSD2600-4600	1
3	90-25-2005	Bag, Reclosable 12" x 15" x 4Mil (Clear Plastic) S-1306	1
4	90-42-1004	Bushing, Flanged CAT 4 For 1.50" Dia. Drawpin	1
5	90-42-1005	Bushing, Flanged CAT 5 For 2.00" Dia. Drawpin	1
6	90-44-0561	Decal, Speed Identification Symbol (SIS) 30 Km/h	1
7	55-5-00328	Kit, Owners Packing Checklist Kwik-Till Tri-Fold HSD2600-4600	1

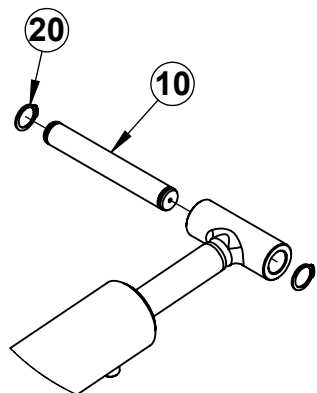
- Notes:
- * = Items with an asterisk, are items that are for illustrative purposes only.
 - ** Item # 5 is supplied with item # **90-42-0011 Hitch tongue Cat 4 Art Ball** and is placed in the owner's manual tube for shipping and future use.
 - ** Item # 6 is supplied with item # **90-42-0027 Hitch Tongue Cat 5 Art Ball** and is placed in the owner's manual tube for shipping and future use.



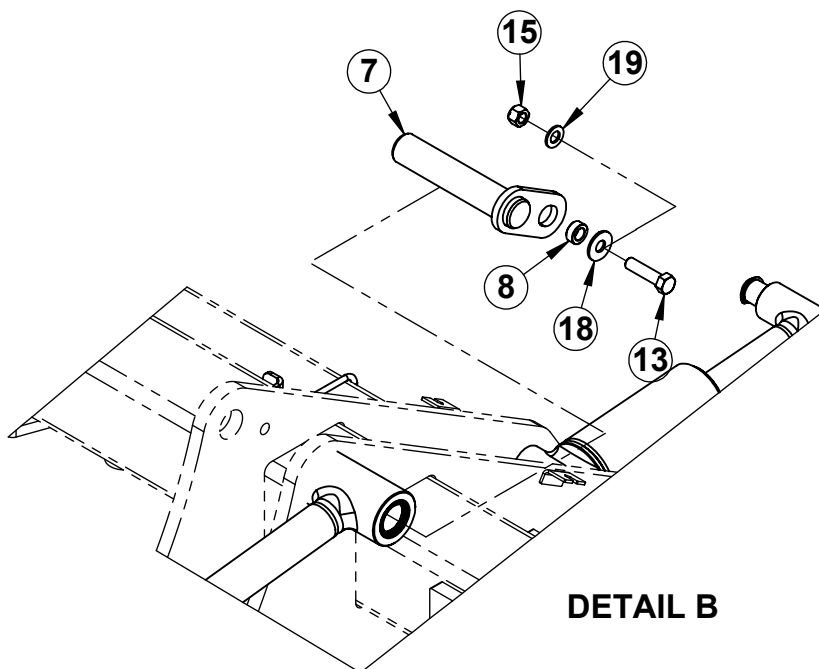
90-46-0030 Kit, LED Ag lighting with Flasher Control 30ft Lead				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-46-0028	LIGHT, AMBER LED SURFACE MOUNT	2	
2	90-46-0029	LIGHT, RED LED SURFACE MOUNT	2	
3	90-46-1055	Harness, Ag Lighting Wishbone	1	
4	90-46-1056	Harness, Ag lighting 30' Lead	1	
5	90-46-1087	Harness, Flasher Control Jumper	1	



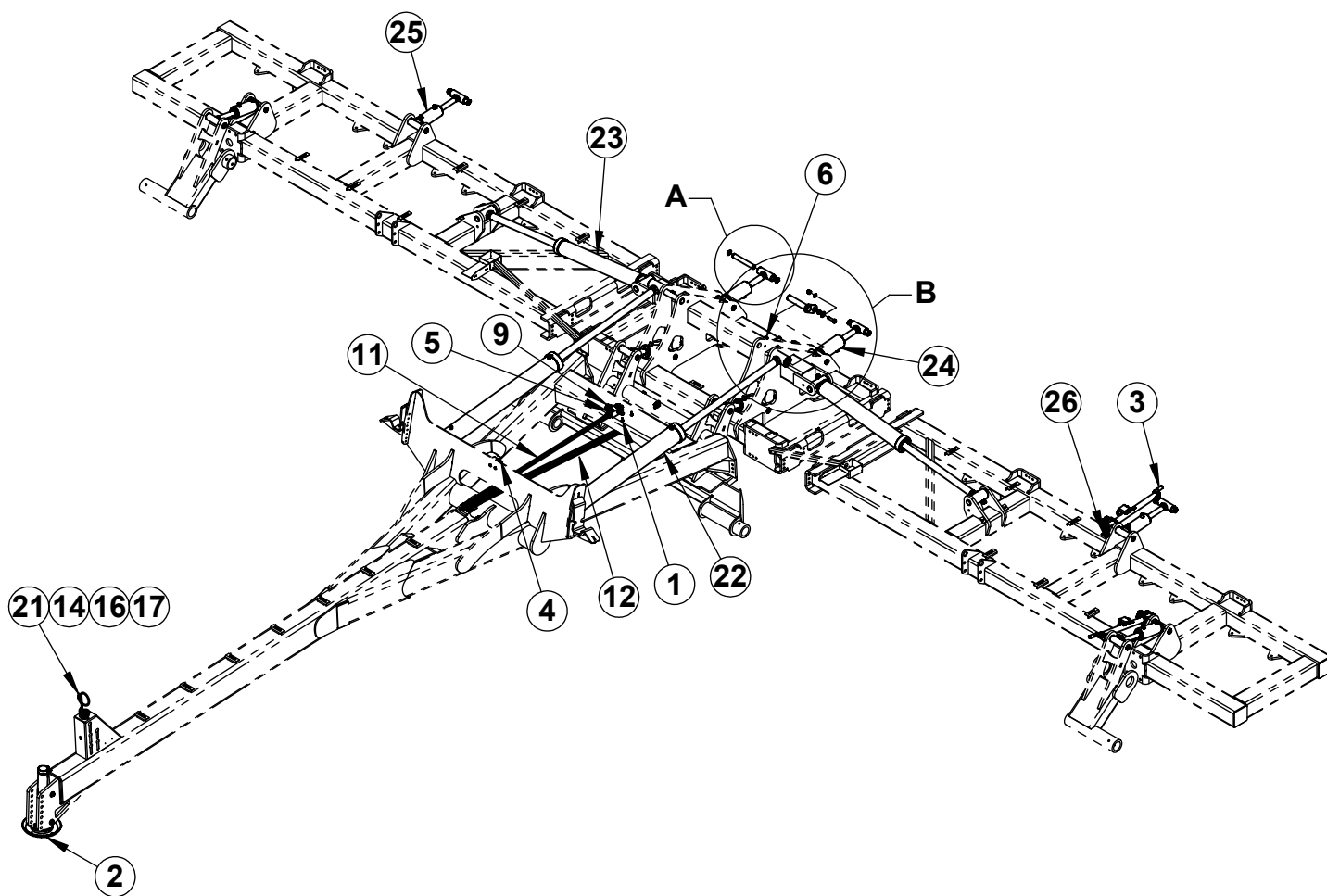
90-46-0031 Kit, LED Ag lighting with Flasher Control 20ft Lead				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-46-0028	LIGHT, AMBER LED SURFACE MOUNT	2	
2	90-46-0029	LIGHT, RED LED SURFACE MOUNT	2	
3	90-46-1055	Harness, Ag Lighting Wishbone	1	
4	90-46-1057	Harness, Ag lighting 20' Lead	1	
5	90-46-1087	Harness, Flasher Control Jumper	1	



DETAIL A



DETAIL B



55-5-00341 ASSY, HSD HYD. KIT 3-SECTION (All Sizes Unless Otherwise Noted)

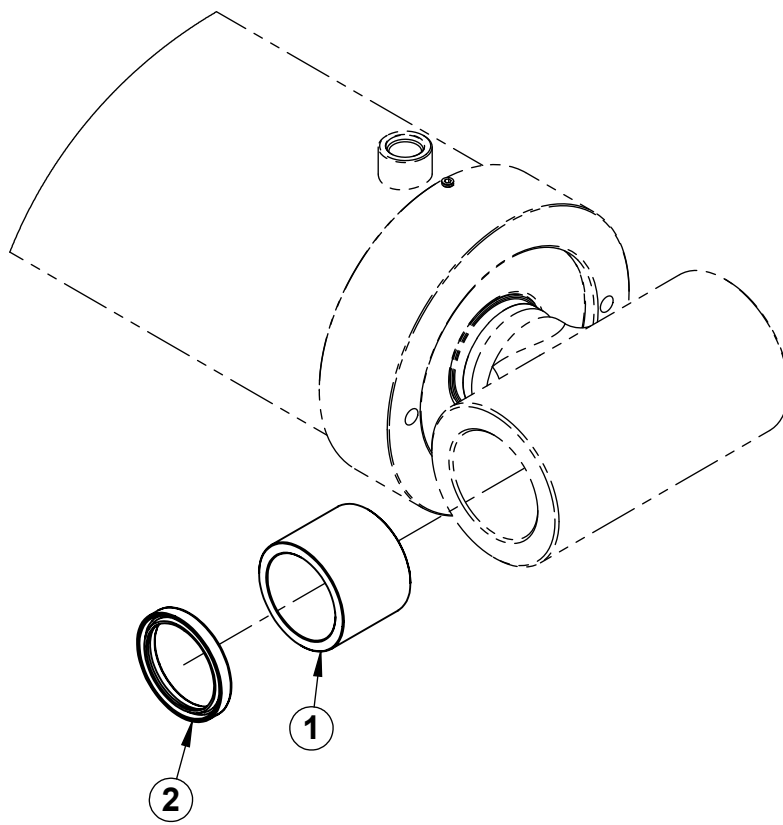
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-2-00471	ASSY, ACCUMULATOR MOUNTING	1
2	55-2-00563	ASSY, JACK-HYDRAULIC,17,500lb X 18"	1
3	55-2-00614	ASSY, SINGLE POINT DEPTH CONTROL	2
4	55-2-00641	ASSY, MAIN LIFT VALVE	1
5	55-2-00644	ASSY, WING FOLD RELIEF VALVE	1
6	55-2-00743	ASSY, HOSE TEE BRACKET	1
7	55-3-00662	WELDMENT, 2" FLAG PIN	8
8	55-4-02106	TUBE, ANTI-ROTATION SPACER	8
9	55-4-02227	TUBE, ACCUMULATOR	1
10	55-4-02336	PIN, CYLINDER Ø1.50" X 9.75"	16
11	55-4-02414	TUBE, WING FOLD LONG 74	2
12	55-4-02416	TUBE, HEIGHT ADJUST LONG 89	4
13	90-10-2827	Bolt, Hex 3/4-10 x 3 Gr8 ZP	8
14	90-10-6211	Bolt, Flanged 1/2-13 x 1 1/2 Gr8 ZP	1
15	90-13-1578	Nut, Toplock 3/4-10 GrC ZP	8
16	90-13-9044	Nut, Flanged Toplock 1/2-13 GrG ZP	1
17	90-14-0049	Washer, Flat 1/2 CZ (USS)	1
18	90-14-0061	Washer, Flat 3/4 ZP (USS)	8
19	90-14-9016	Washer, Flat 3/4 CZ (SAE) Thru Hard	8
20	90-16-4518	Ring, Snap 1.50" External CZ (HD)	32
21	90-34-0009	Spring, Hose Holder	1
22	90-39-0134	Cylinder, 6" x 54" 3 Port X-Tube (BLK)	2
23	90-39-0135	Cylinder, 5" x 36" X-Tube (BLK)	2
24	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4
25	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
26	90-44-0650	Decal, Single Point Depth Control Adjust 1/4" Inc	2

2600-2900 Sizes Only

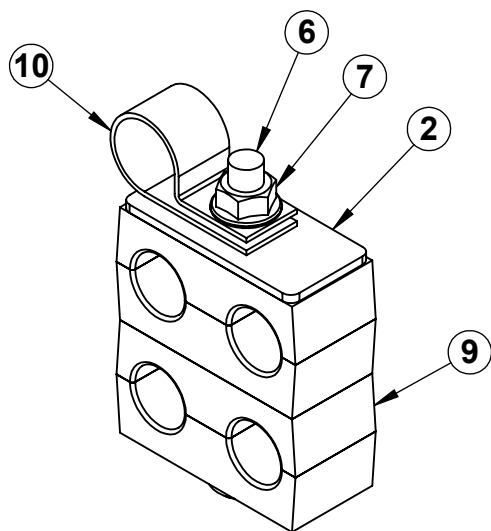
ITEM	PART NUMBER	DESCRIPTION	QTY.
11	55-4-02413	TUBE, WING FOLD SHORT 58	2
12	55-4-02415	TUBE, HEIGHT ADJUST SHORT 73	4
22	90-39-0142	Cylinder, 6" x 42" 3 Port X-Tube (BLK)	2
23	90-39-0143	Cylinder, 4" x 36" X-Tube (BLK)	2

Hydraulic Cylinder Seal Kits

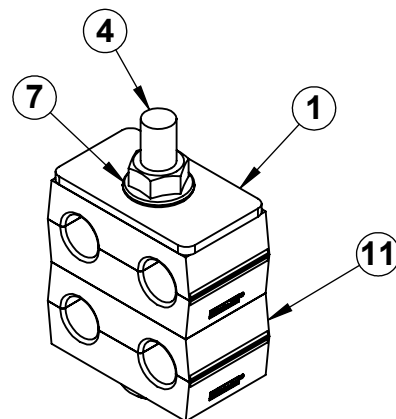
ITEM	PART NUMBER	DESCRIPTION	QTY.
	90-39-2021	Seal Kit 4.25" Bore Rephasing (Monarch)	1
	90-39-2023	Seal Kit 6" Bore (Monarch)	1
	90-39-2024	Seal Kit 3.75" Bore Rephasing (Monarch)	1
	90-39-2035	Seal Kit, 4" x 36" Cross Tube (Monarch)	1
	90-39-2038	Seal Kit, 5" x 36" Cross Tube (Monarch)	1



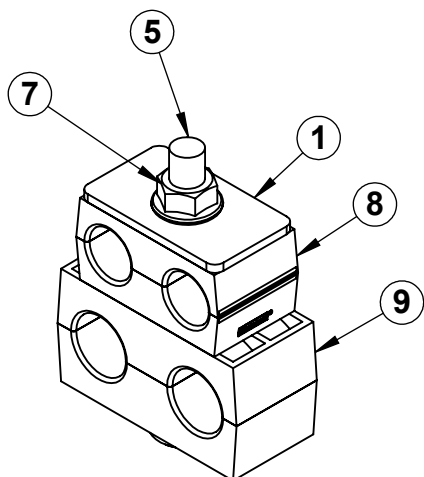
55-5-00342 ASSY, HSD MAIN LIFT & WING FOLD CYLINDER BUSHINGS			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-24-4068	BUSHING, COMPOSITE 2"ID X 2.5"OD X 2"L	4
2	90-24-6023	Seal, 2.000" ID x 2.500" OD x 0.312" L Wiper	4



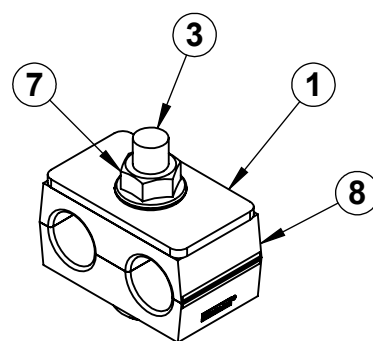
Hitch



Hitch - Tube Lines



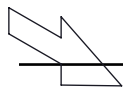
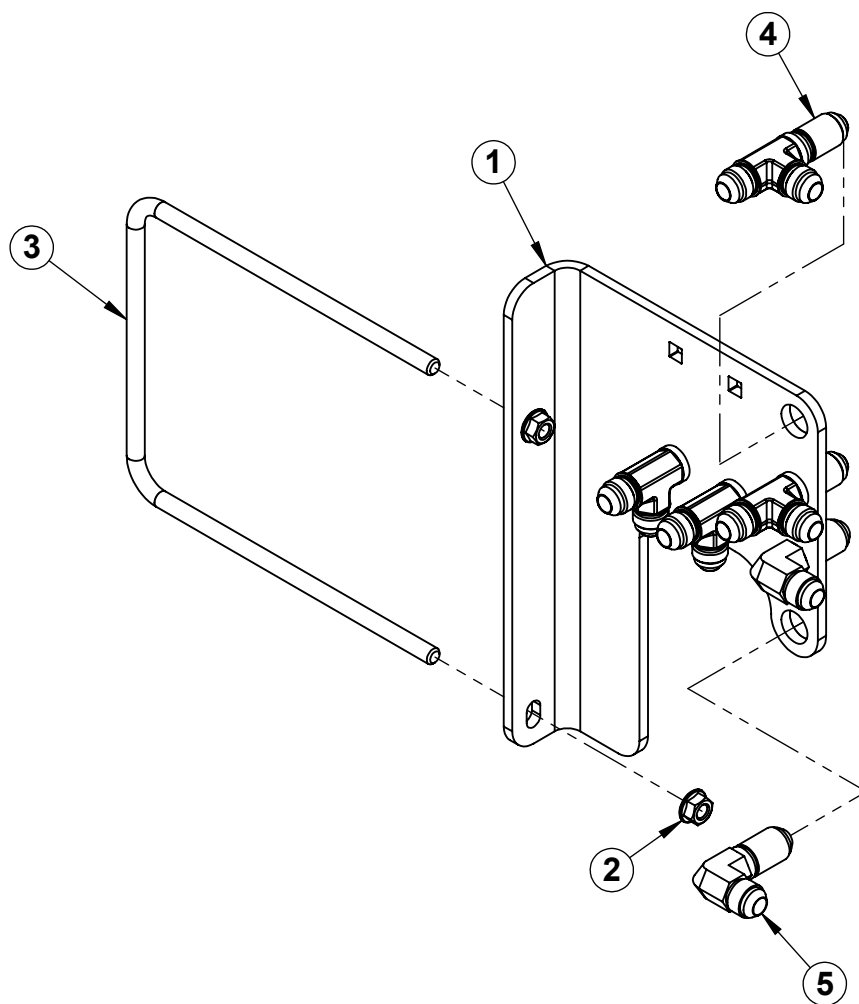
LH Wing



RH Wing

55-5-00343 ASSY, HSD HOSE CLAMPS

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-4-01603	PLATE, BACKER	3
2	55-4-01604	PLATE, BACKER	1
3	90-10-7147	Bolt, Carriage 3/8-16 x 2 Gr5 ZP	1
4	90-10-7157	Bolt, Carriage 3/8-16 x 3 1/4 Gr5 ZP	1
5	90-10-7159	Bolt, Carriage 3/8-16 x 3 1/2 Gr5 ZP	1
6	90-10-7164	Bolt, Carriage 3/8-16 x 4 Gr5 ZP	1
7	90-13-3043	Nut, Flanged 3/8-16 Gr5 ZP (Serrated)	4
8	90-18-0009	Clamp, 3/8" Hose, Plastic Twin 5/8"	4
9	90-18-0010	Clamp, 1/2" Hose, Plastic Twin (3/4")	6
10	90-18-0030	P-Clamp, Coated, 22.5mm ID, 10.3mm Hole	1
11	90-18-0038	Clamp, 1/4" Hose, Plastic Twin (1/2")	4



55-2-00743 ASSY, HOSE TEE BRACKET			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-4-02240	SHEET, HOSE TEE BRACKET	1
2	90-13-3043	Nut, Flanged 3/8-16 Gr5 ZP (Serrated)	2
3	90-20-0525	U-Bolt, Square 3/8-16 x 7.0 X 8-5/8 ZP	1
4	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
5	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2



- ## ! WARNING

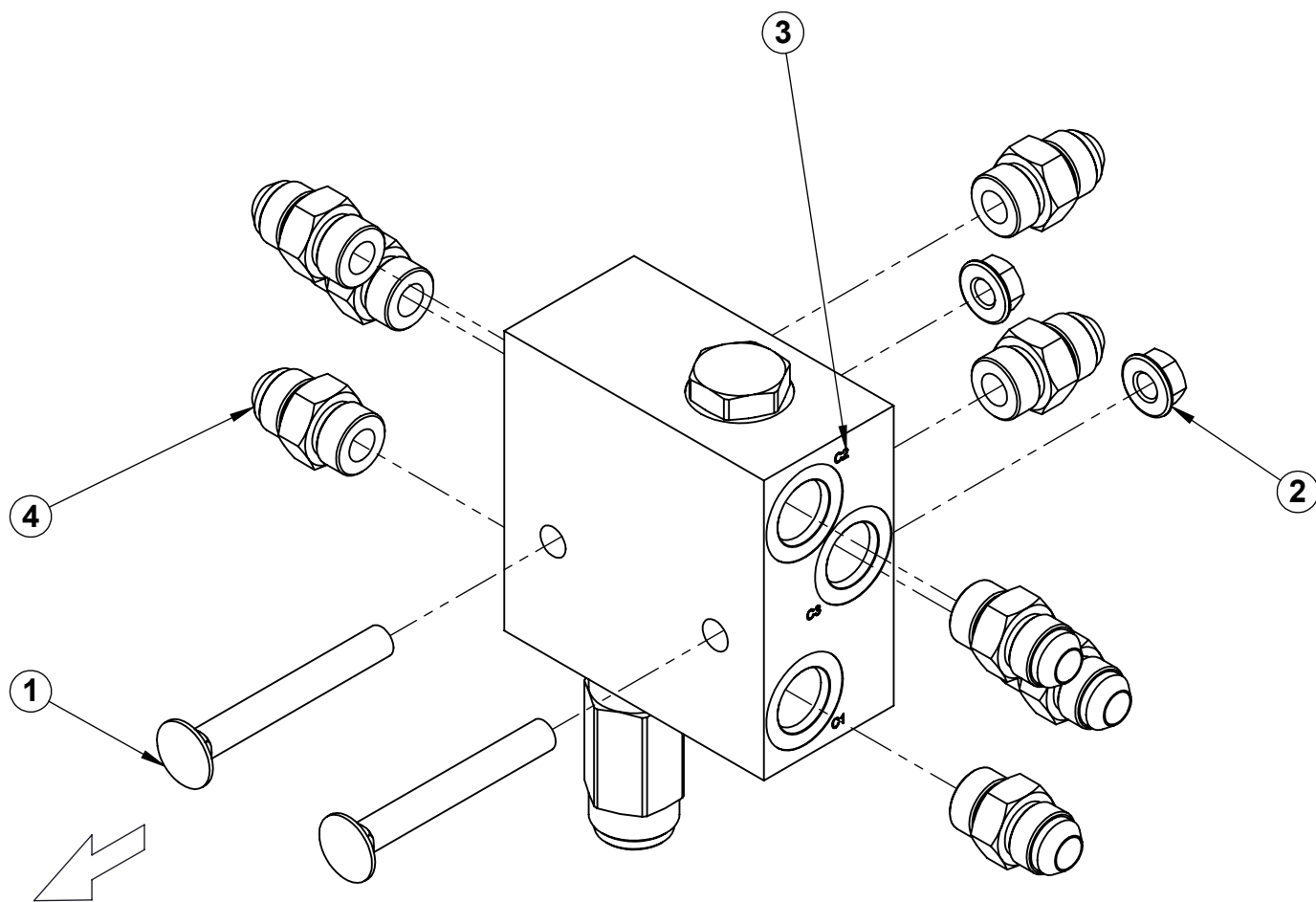
Filling Instructions:

- ## ! WARNING

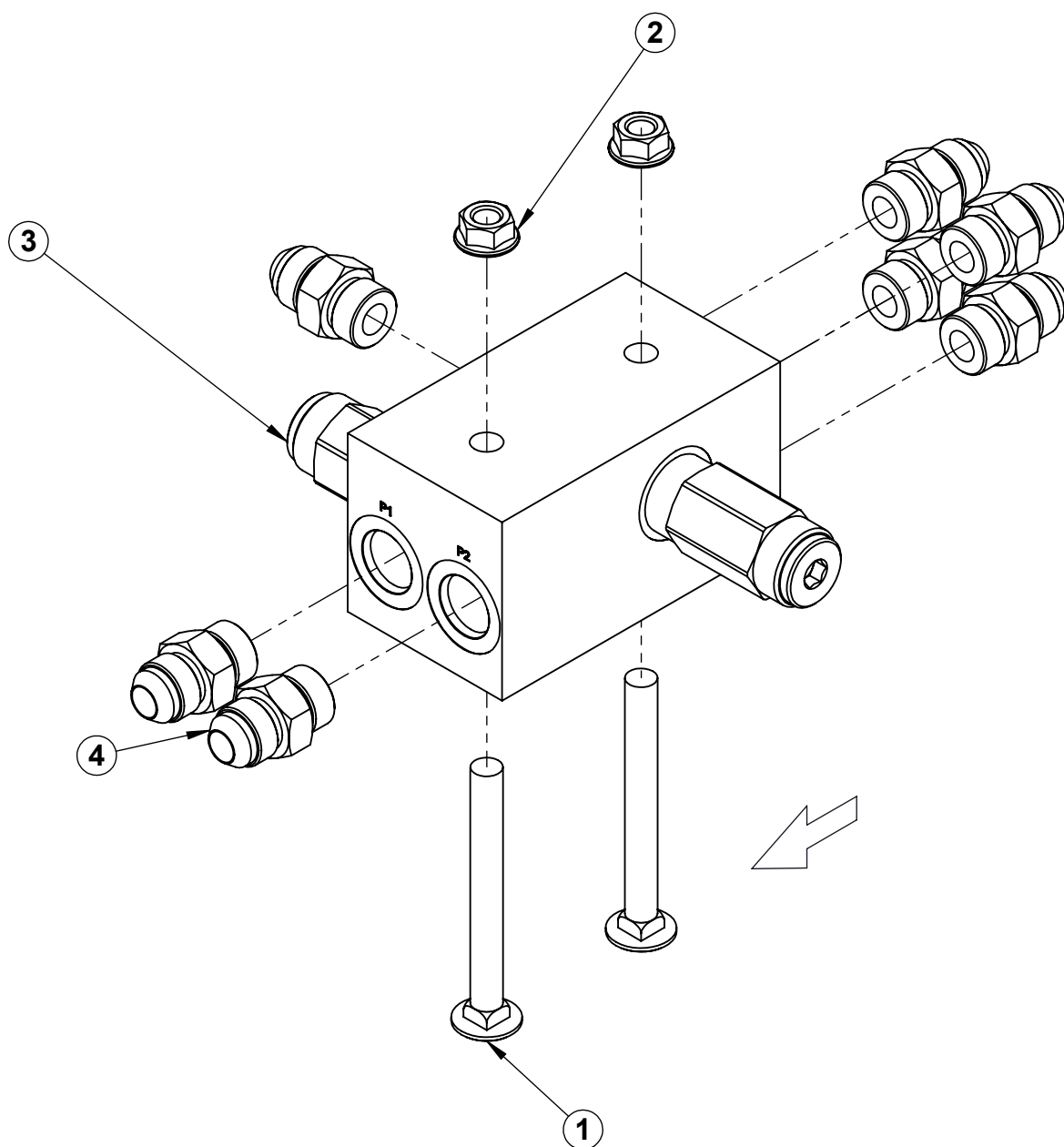
106

55-2-00471 ASSY, ACCUMULATOR MOUNTING

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	55-2-00467	ASSY, ACCUMULATOR & DECAL	1	
2	90-36-0035	CLAMP - ACCUMULATOR	1	
3	90-14-9011	Washer, 8MM	2	
4	90-13-9016	Nut, Nylock M8-1.25 Gr8.8 ZP	2	
5	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	1	

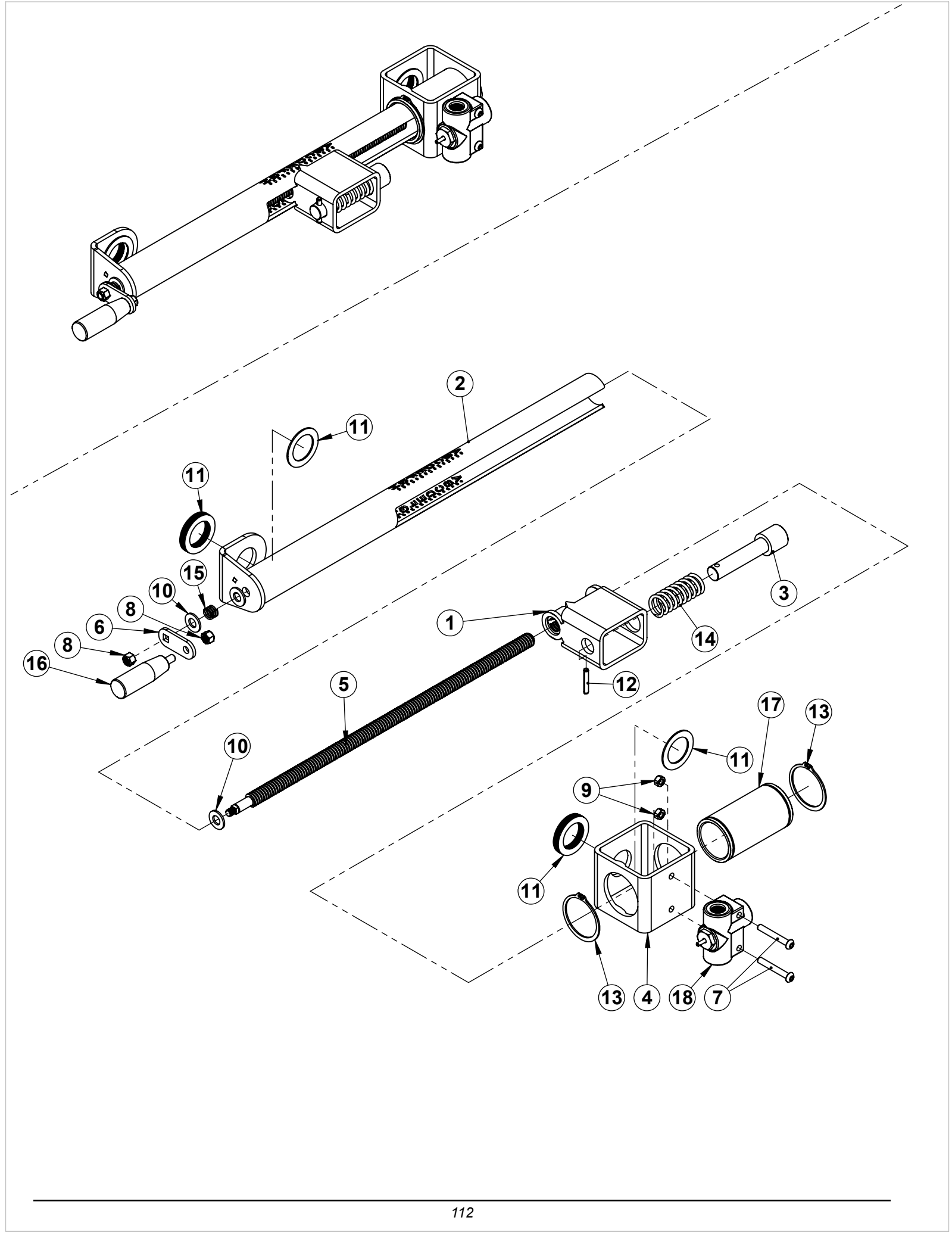


55-2-00641 ASSY, MAIN LIFT VALVE			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-7155	Bolt, Carriage 3/8-16 x 3 Gr5 ZP	2
2	90-13-3043	Nut, Flanged 3/8-16 Gr5 ZP (Serrated)	2
3	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
4	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	8



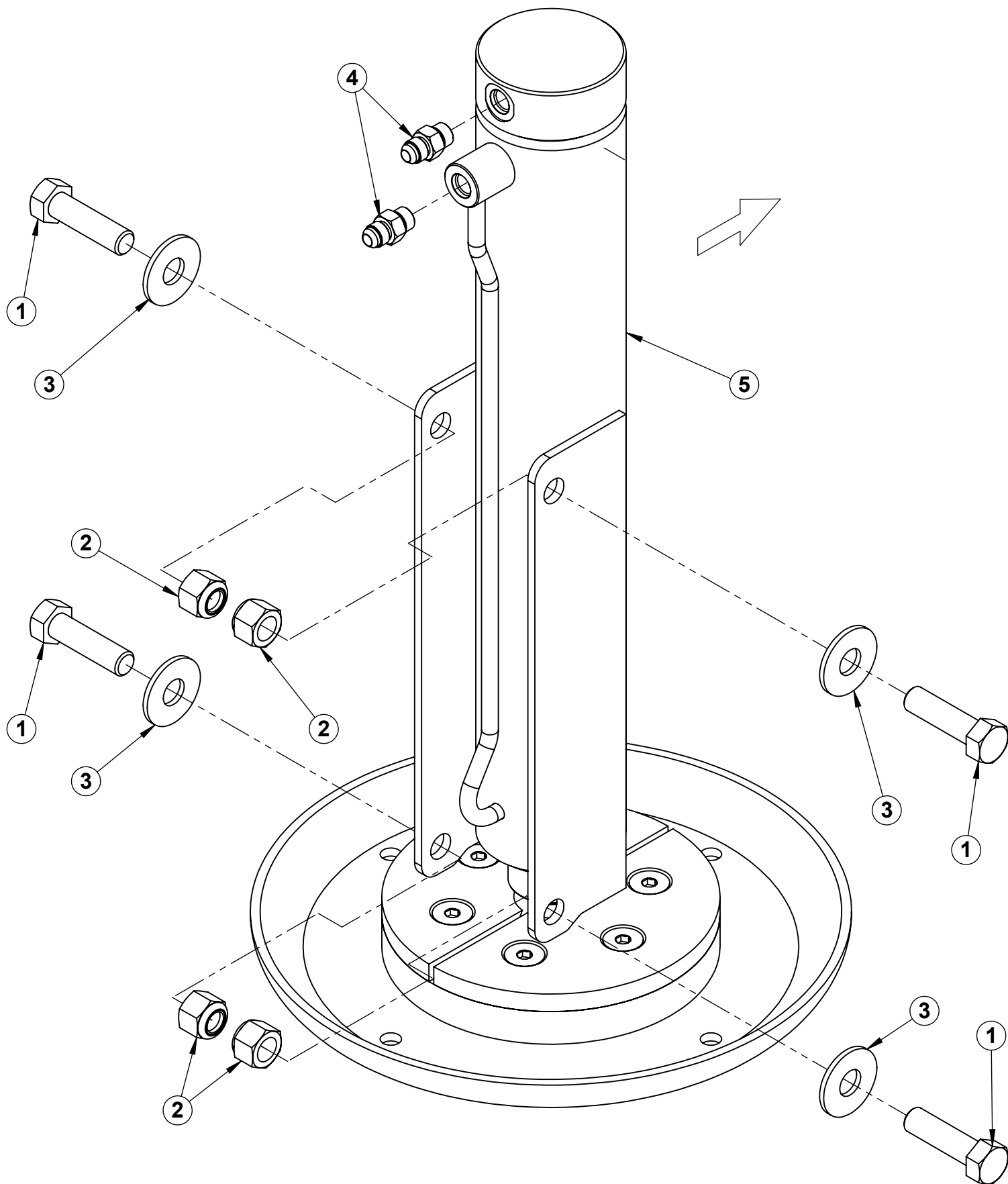
55-2-00644 ASSY, WING FOLD RELIEF VALVE

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	90-10-7159	Bolt, Carriage 3/8-16 x 3 1/2 Gr5 ZP	2
2	90-13-3043	Nut, Flanged 3/8-16 Gr5 ZP (Serrated)	2
3	90-36-0132	Valve, Crossover Relief Wing Fold	1
4	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	7

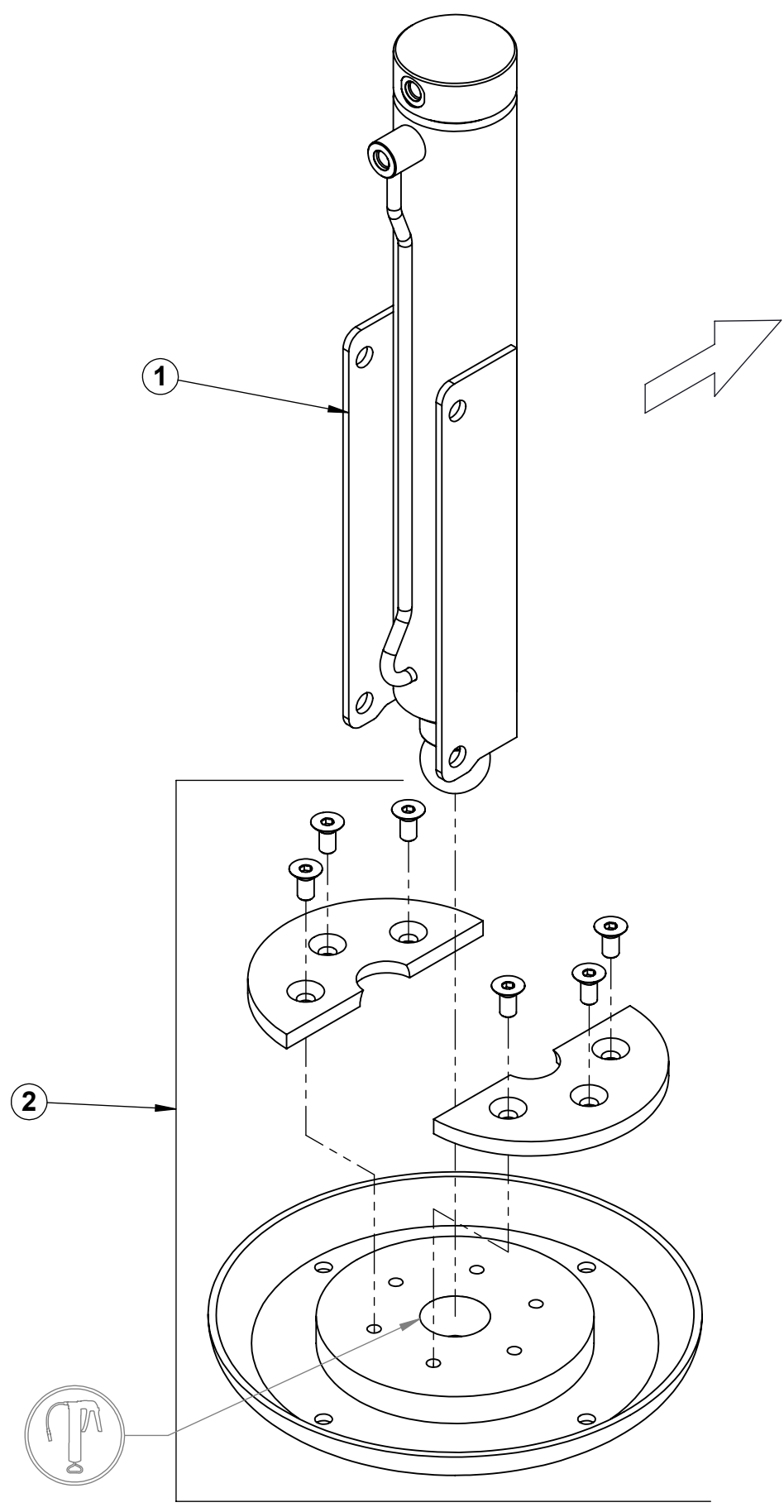


55-2-00614 ASSY, SINGLE POINT DEPTH CONTROL

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	55-3-00740	WELDMENT, SPDC SLIDE STOP	1
2	55-3-00805	WLDMT, SPDC SLIDE TUBE A-H	1
3	55-4-01631	RND BAR, DEPTH CONTROL PLUNGER	1
4	55-4-02337	TUBE, SPDC VALVE MOUNT	1
5	55-4-02436	THREADED ROD, SPDC 3/4-6 ACME	1
6	55-4-02437	SHEET, SPDC CRANK	1
7	90-12-4253	Screw, Button Head 5/16-18 x 2 1/4	2
8	90-13-1539	Nut, Toplock 3/8-16 Gr8 CZ	2
9	90-13-2021	Nut, Centerlock 5/16-18 Gr5 ZP	2
10	90-14-0051	Washer, Flat 1/2 SAE ZP	3
11	90-14-0086	Washer, Machine 1 1/2 x 2 1/4 x 14ga ZP	12
12	90-16-2575	Pin, Spring 1/4 x 1 1/2 ZP	1
13	90-16-4526	Ring, Snap 2.50" External CZ	2
14	90-21-0034	Spring Compression, .162 wire x 1.25 OD x 3.5" long	1
15	90-21-0052	Spring, Compression - 0.66" OD x 0.516" ID x 0.625" L ZP	1
16	90-22-2015	Handle, Revolving	1
17	90-24-4071	Bushing, SPDC Slider	1
18	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	1



55-2-00563 ASSY, JACK-HYDRAULIC,17,500lb X 18"				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-10-2285	Bolt, Hex 5/8-11 x 2 1/4 Gr5 ZP	4	
2	90-13-2609	Nut, Nylock 5/8-11 Gr5 ZP	4	
3	90-14-0057	Washer, Flat 5/8 ZP	4	
4	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2	
5	90-42-2025	Jack, 17,500lb x 18" Hydraulic w/Base	1	



90-42-2025 Jack, 17,500lb x 18" Hydraulic w/Base

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-39-0125	Cylinder, Jack 17,500lb X 18" w/o Base	1	
2	90-42-3008	Base, Hydraulic Jack Foot Assy	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified).
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

**Grease Notes:**

Use an SAE multipurpose high temperature grease with extreme pressure (EP) performance.

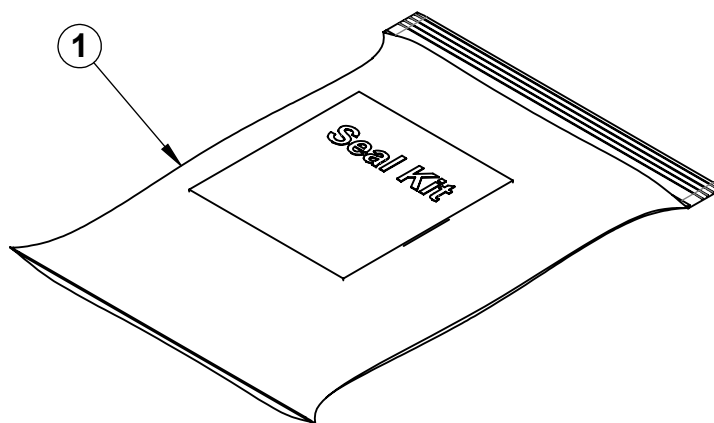
Also acceptable, SAE multipurpose lithium based grease.

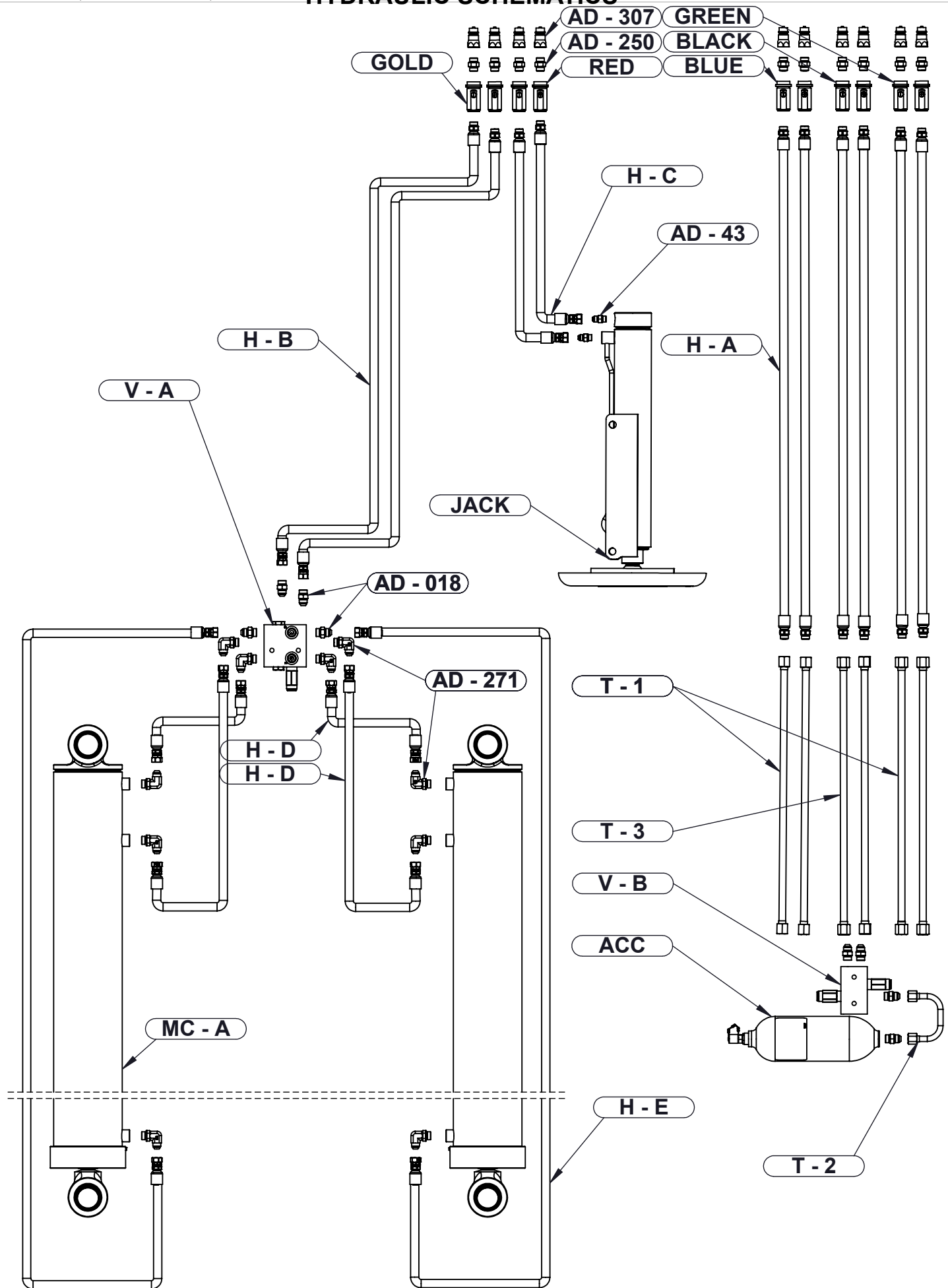
Other greases may be used if they meet the following:

- NLGI Performance Classification GC-LB
- ISO-L-X-BDHB 2 or DIN KP 2 N-10 Lithium Complex-Non-Synthetic Base Oil (100 to 220 mm²/s @ 40°C)

Optional Seal Kit For 90-39-0125 Cylinder, Jack 17,500lb X 18" w/o Base

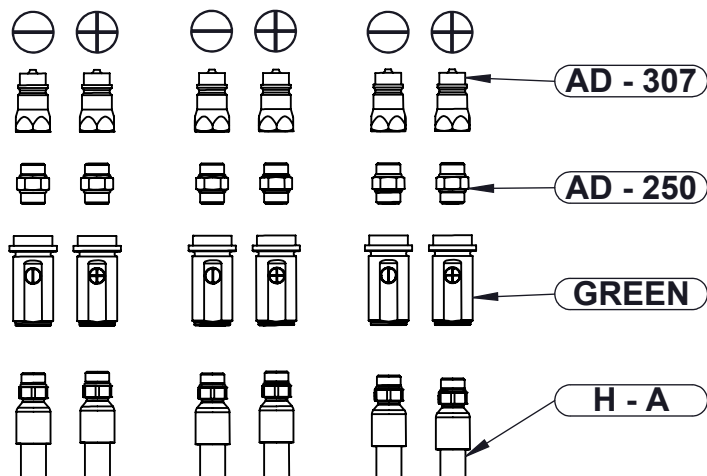
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-39-2034	Seal Kit, Jack - 3" Bore x 2.0" Rod	1	

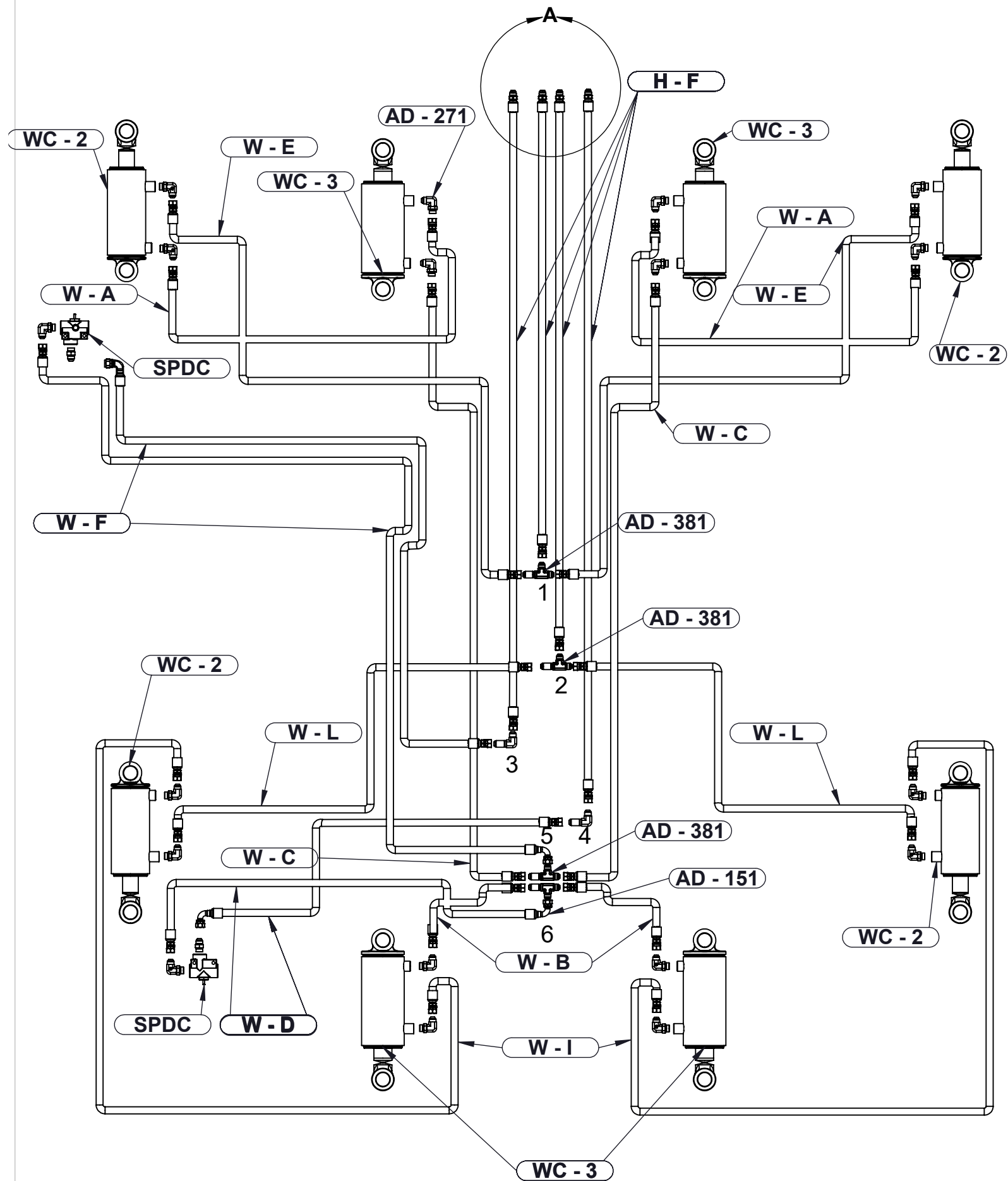




55-5-00345 HITCH HYDRAULIC SCHEMATIC FOR HSD2600 NT - HSD2900 NT

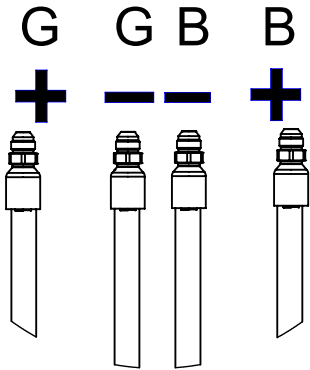
LABEL	PART NUMBER	DESCRIPTION	QTY.
ACC	90-36-0036	ASSY, ACCUMULATOR & DECAL	1
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	8
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	10
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	10
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	10
AD - 43	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2
BLACK	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1
BLUE	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	1
GOLD	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	1
GREEN	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	1
H - A	90-37-1849	Hose, 08 x 216 OAL, 08 MJ x 08 MO	6
H - B	90-37-1851	Hose, 08 x 239 OAL, 08 FJX x 08 MO	2
H - C	90-37-1671	Hose, 06 x 123 OAL, 06 FJX x 08 MO	2
H - D	90-37-1471	Hose, 08 x 32 OAL, 08 FJX x 08 FJX 90	4
H - E	90-37-1805	Hose, 08 x 56 OAL, 08 FJX x 08 FJX	2
JACK	55-2-00563	Jack, 17,500lb x 18" Hydraulic w/Base	1
MC - A	90-39-0142	Cylinder, 6" x 42" 3 Port X-Tube (BLK)	2
RED	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1
T - 1	55-4-02415	Hydraulic Tube Height Adjust	4
T - 2	55-4-02227	TUBE, ACCUMULATOR	1
T - 3	55-4-02413	Hydraulic Tube Wing Fold	2
V - A	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1



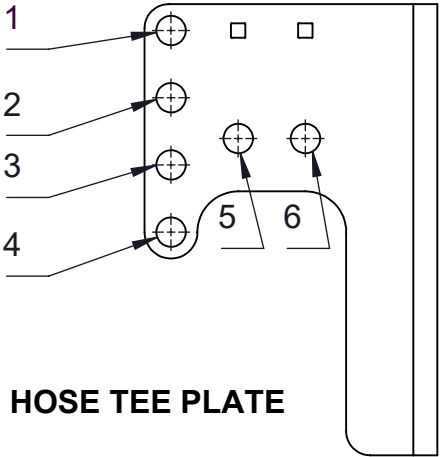


55-5-00345 WING HYDRAULIC SCHEMATIC FOR HSD2600 NT - HSD2900 NT

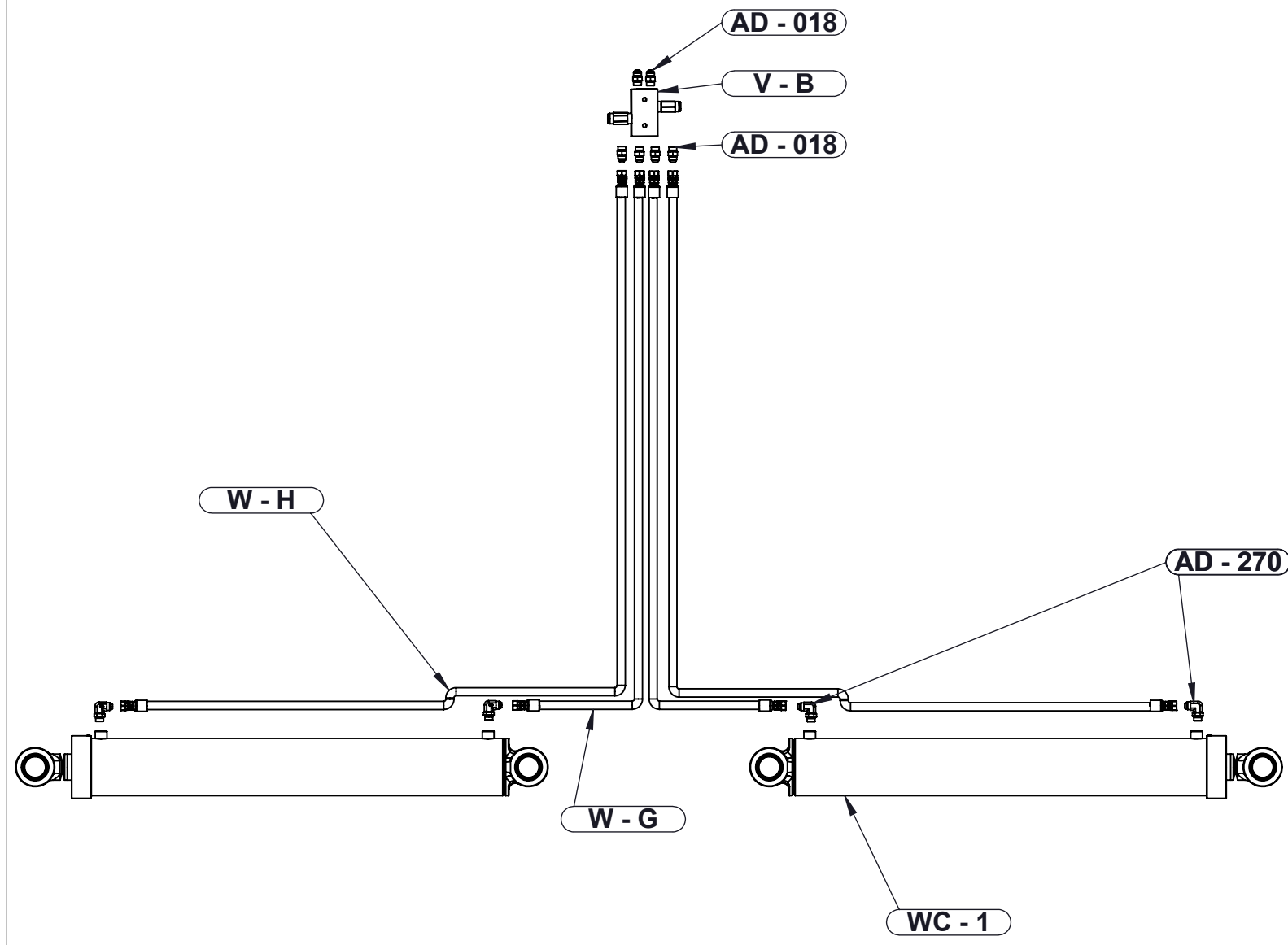
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	2
AD - 151	90-38-0151	Adapter, 90° Elbow, 08 FJX x 08 MJ	4
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	18
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
AD - 382	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2
H - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	4
SPDC	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	2
W - A	90-37-1790	Hose, 06 x 180 OAL, 08 FJX x 08 FJX	2
W - B	90-37-1680	Hose, 06 x 25 OAL, 08 FJX x 08 FJX	2
W - C	90-37-1686	Hose, 06 x 31 OAL, 08 FJX x 08 FJX	2
W - D	90-37-1858	Hose, 08 x 124 OAL, 08 FJX x 08 FJX 90	2
W - E	90-37-1679	Hose, 06 x 165 OAL, 08 FJX x 08 FJX	2
W - F	90-37-1853	Hose, 08 x 154 OAL, 08 FJX x 08 FJX 90	2
W - I	90-37-1869	Hose, 06 x 141 OAL, 08 FJX x 08 FJX	2
W - L	90-37-1734	Hose, 06 x 135 OAL, 08 FJX x 08 FJX	2
WC - 2	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
WC - 3	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4



DETAIL A
SCALE 1 : 6

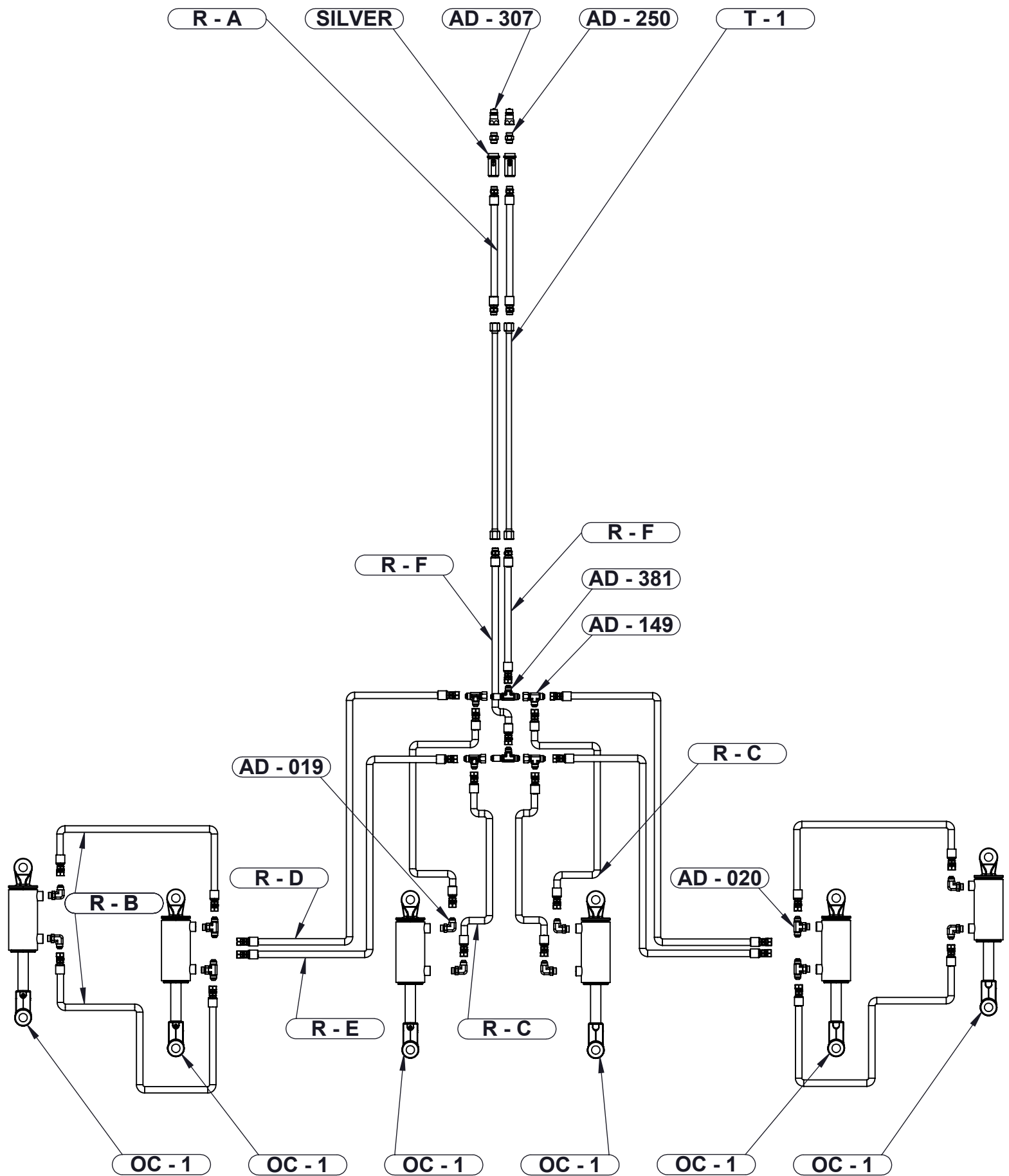


HOSE TEE PLATE



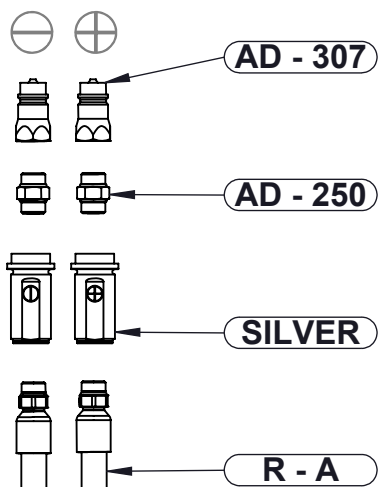
55-5-00345 WING HYDRAULIC SCHEMATIC FOR HSD2600 NT - HSD2900 NT

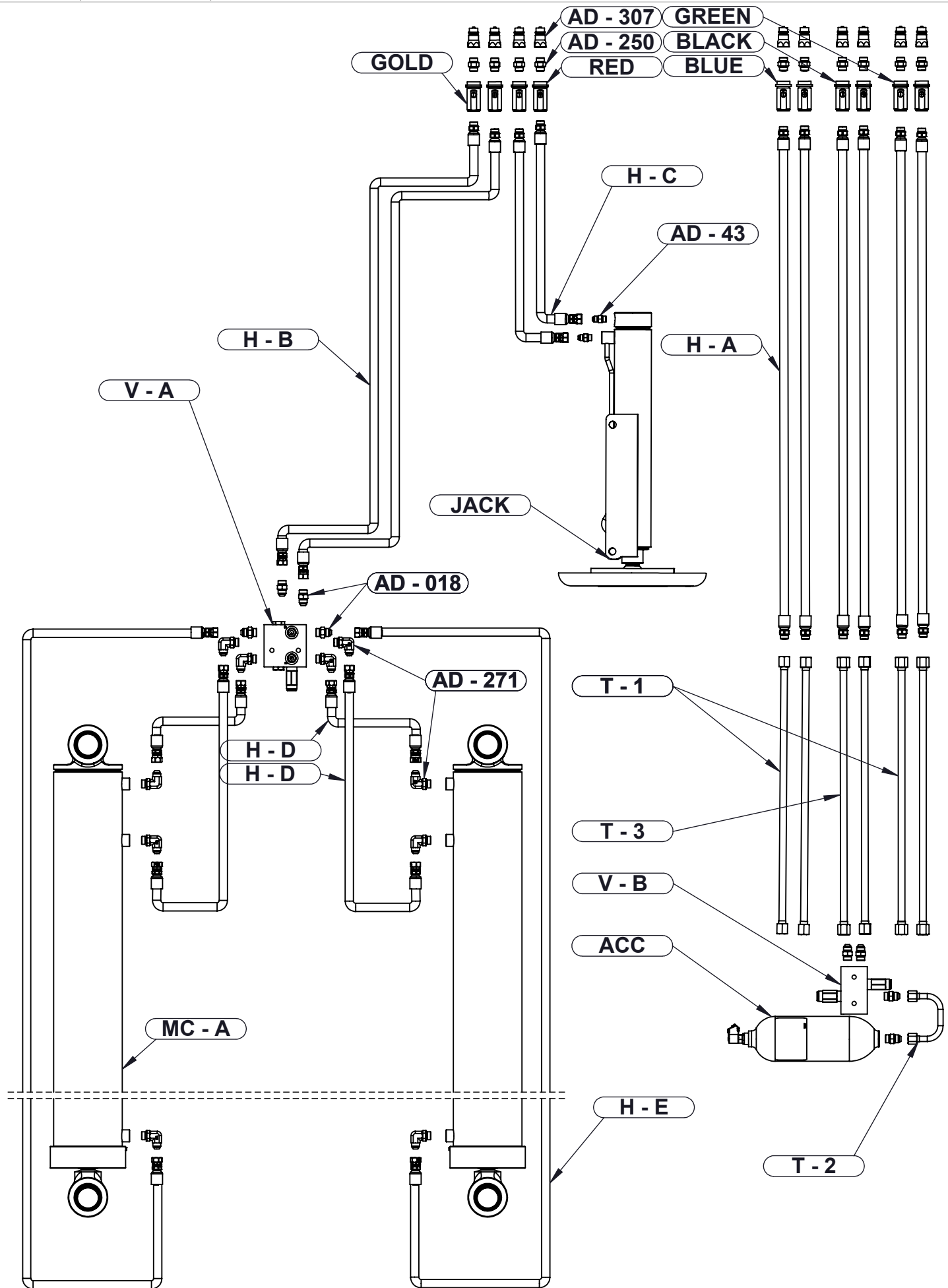
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	6
AD - 270	90-38-0270	Adapter, 90' Elbow, 08 MO x 08 MJ - Restrictor .089	4
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1
W - G	90-37-1867	Hose, 06 x 112 OAL, 08 FJX x 08 FJX	2
W - H	90-37-1865	Hose, 06 x 140 OAL, 08 FJX x 08 FJX	2
WC - 1	90-39-0143	Cylinder, 4" x 36" X-Tube (BLK)	2



55-5-00345 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD2600 NT - 2900 NT

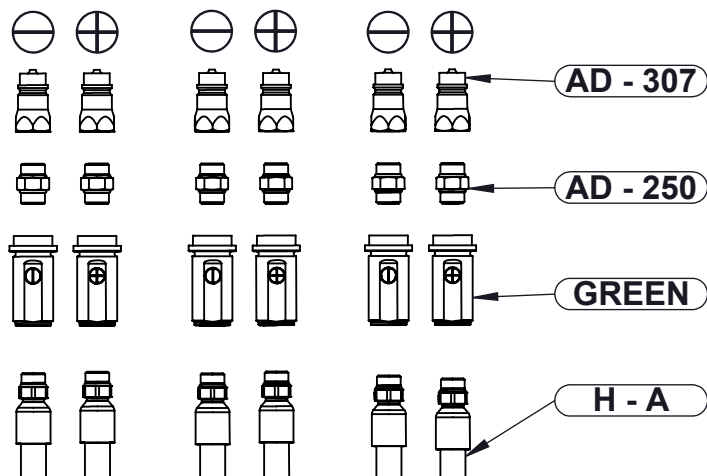
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1744	Hose, 08 x 216 OAL, 08 MJ x 08 MO	2
R - B	90-37-1738	Hose, 06 x 74 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1782	Hose, 06 x 84 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1759	Hose, 06 x 118 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1760	Hose, 06 x 121 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02415	Hydraulic Tube Height Adjust	2

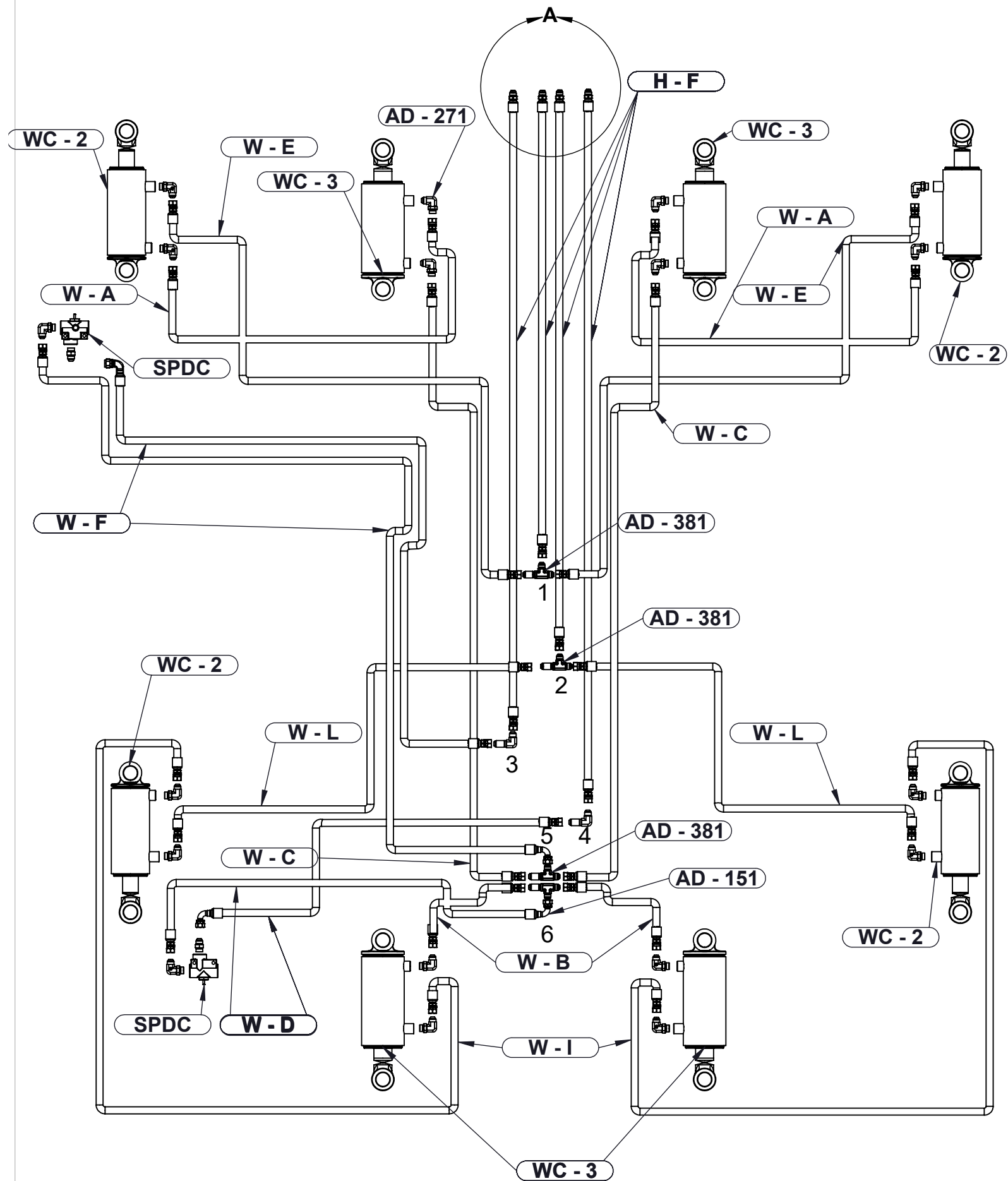




55-5-00346 HITCH HYDRAULIC SCHEMATIC FOR HSD3250 NT - HSD3600 NT

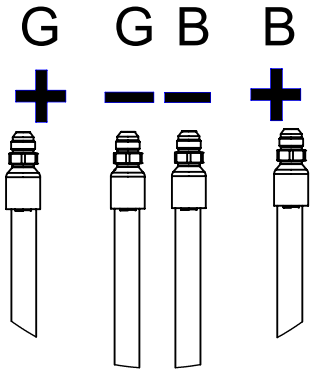
LABEL	PART NUMBER	DESCRIPTION	QTY.
ACC	90-36-0036	ASSY, ACCUMULATOR & DECAL	1
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	8
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	10
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	10
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	10
AD - 43	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2
BLACK	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1
BLUE	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	1
GOLD	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	1
GREEN	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	1
H - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	6
H - B	90-37-1752	Hose, 08 x 270 OAL, 08 FJX x 08 MO	2
H - C	90-37-1671	Hose, 06 x 123 OAL, 06 FJX x 08 MO	2
H - D	90-37-1471	Hose, 08 x 32 OAL, 08 FJX x 08 FJX 90	4
H - E	90-37-1468	Hose, 08 x 66 OAL, 08 FJX x 08 FJX	2
JACK	55-2-00563	Jack, 17,500lb x 18" Hydraulic w/Base	1
MC - A	90-39-0134	Cylinder, 6" x 54" 3 Port X-Tube (BLK)	2
RED	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	4
T - 2	55-4-02227	TUBE, ACCUMULATOR	1
T - 3	55-4-02414	Hydraulic Tube Wing Fold	2
V - A	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1



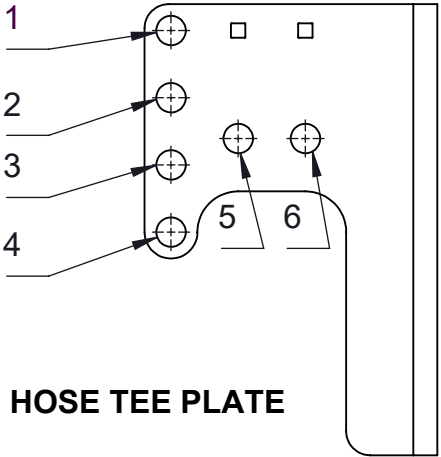


55-5-00346 WING HYDRAULIC SCHEMATIC FOR HSD3250 NT - HSD3600 NT

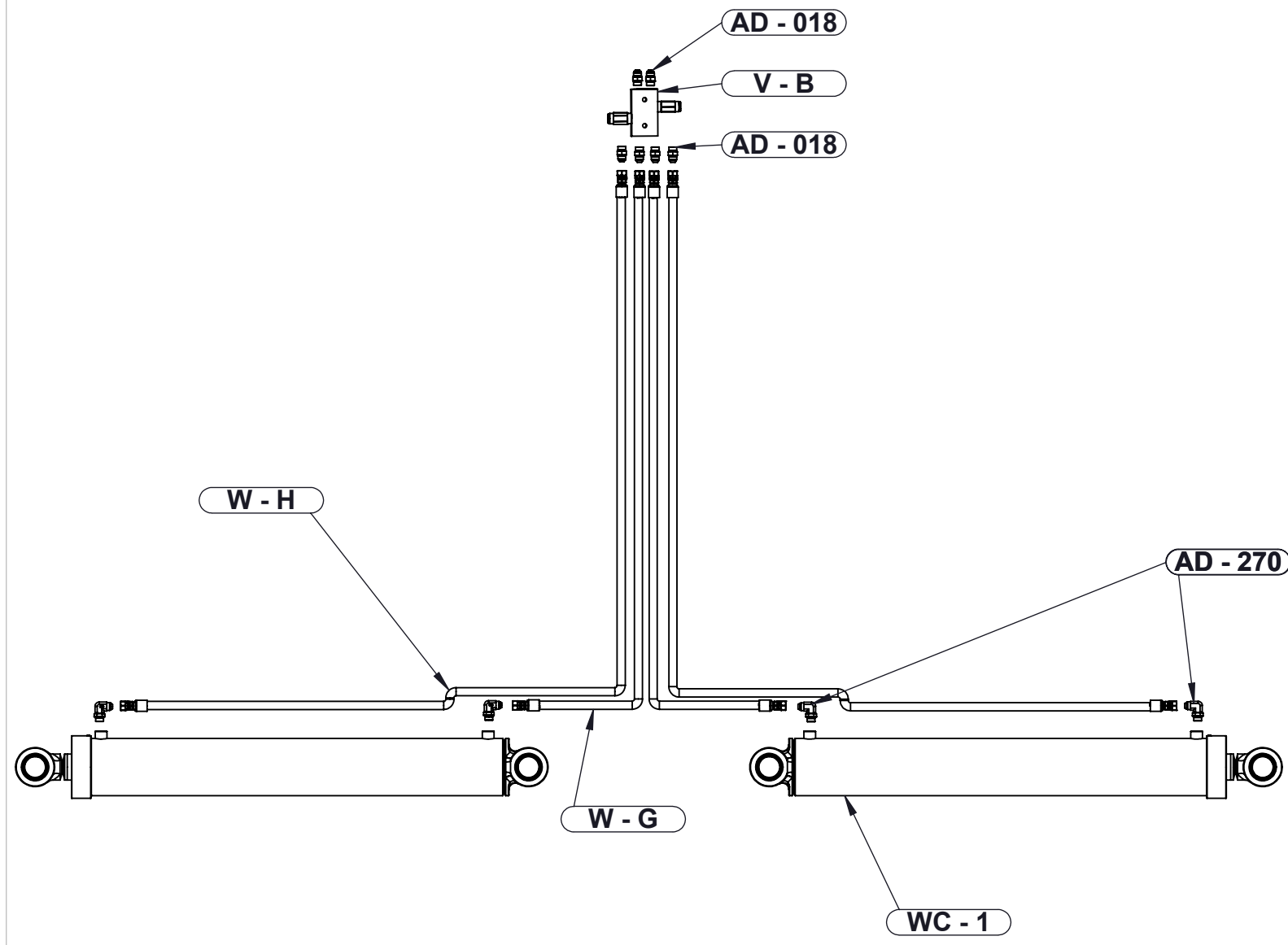
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	2
AD - 151	90-38-0151	Adapter, 90° Elbow, 08 FJX x 08 MJ	4
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	18
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
AD - 382	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2
H - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	4
SPDC	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	2
W - A	90-37-1682	Hose, 06 x 217 OAL, 08 FJX x 08 FJX	2
W - B	90-37-1864	Hose, 06 x 25 OAL, 08 FJX x 08 FJX	2
W - C	90-37-1686	Hose, 06 x 31 OAL, 08 FJX x 08 FJX	2
W - D	90-37-1860	Hose, 08 x 134 OAL, 08 FJX x 08 FJX 90	2
W - E	90-37-1755	Hose, 06 x 220 OAL, 08 FJX x 08 FJX	2
W - F	90-37-1857	Hose, 08 x 197 OAL, 08 FJX x 08 FJX 90	2
W - I	90-37-1870	Hose, 06 x 151 OAL, 08 FJX x 08 FJX	2
W - L	90-37-1677	Hose, 06 x 145 OAL, 08 FJX x 08 FJX	2
WC - 2	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
WC - 3	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4



DETAIL A
SCALE 1 : 6

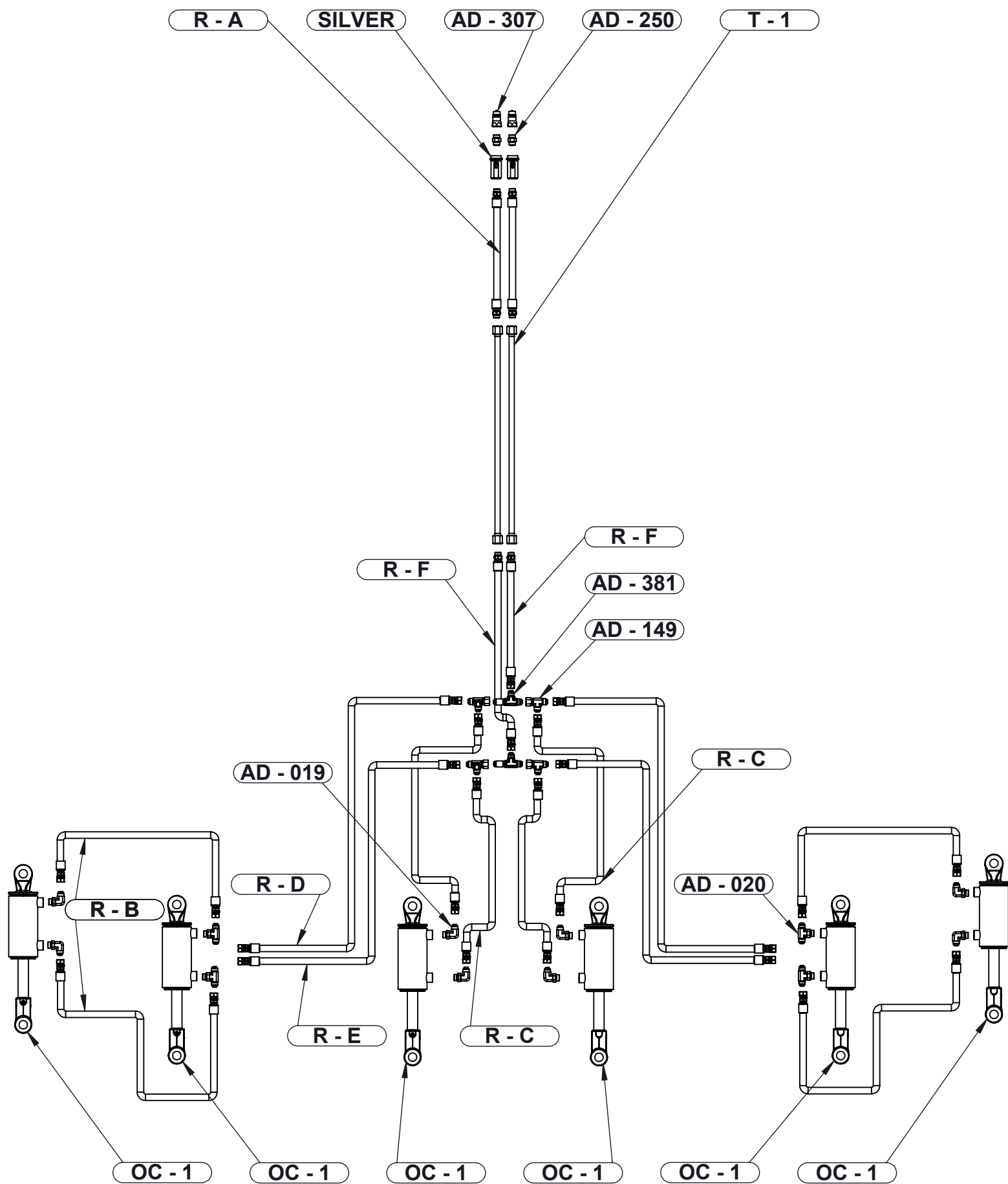


HOSE TEE PLATE



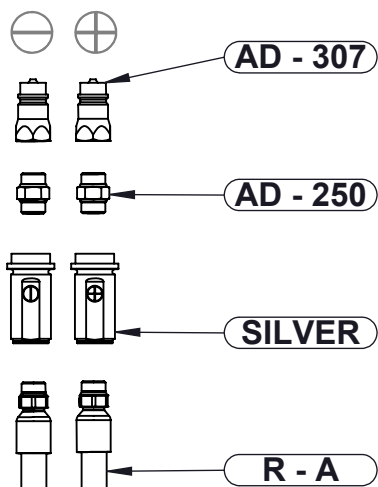
55-5-00346 WING HYDRAULIC SCHEMATIC FOR HSD3250 NT - HSD3600 NT

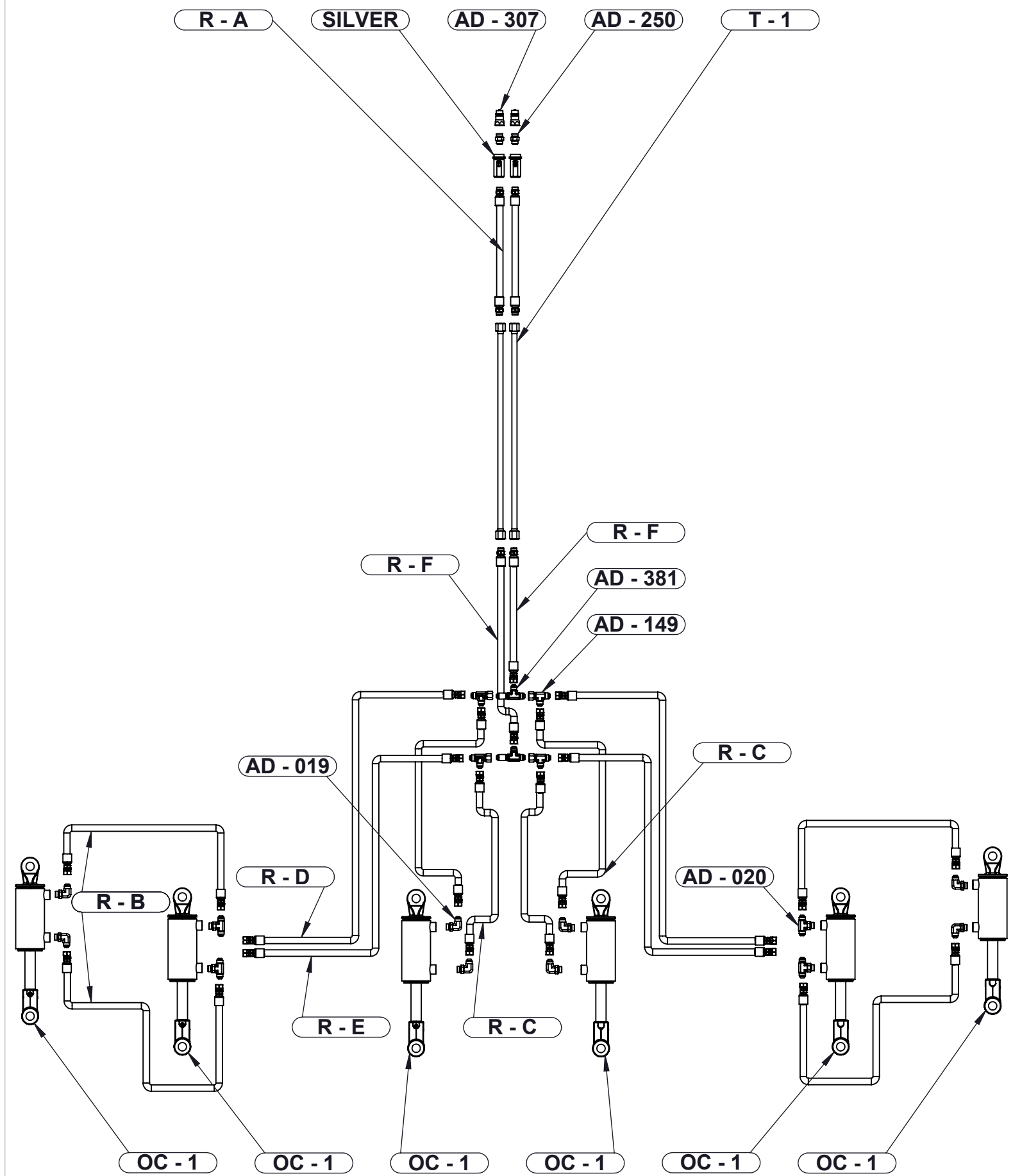
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	6
AD - 270	90-38-0270	Adapter, 90' Elbow, 08 MO x 08 MJ - Restrictor .089	4
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1
W - G	90-37-1867	Hose, 06 x 112 OAL, 08 FJX x 08 FJX	2
W - H	90-37-1865	Hose, 06 x 140 OAL, 08 FJX x 08 FJX	2
WC - 1	90-39-0135	Cylinder, 5" x 36" X-Tube (BLK)	2



55-5-00346 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD3250 NT

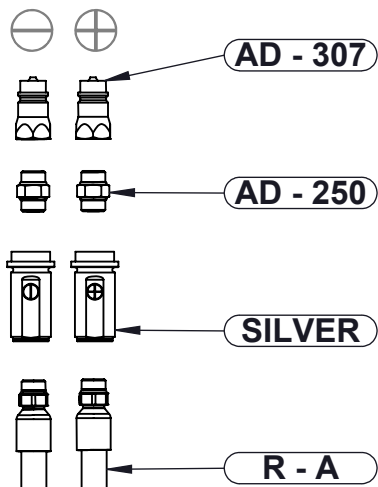
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	2
R - B	90-37-1673	Hose, 06 x 124 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1390	Hose, 06 x 75 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1759	Hose, 06 x 118 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1760	Hose, 06 x 121 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2

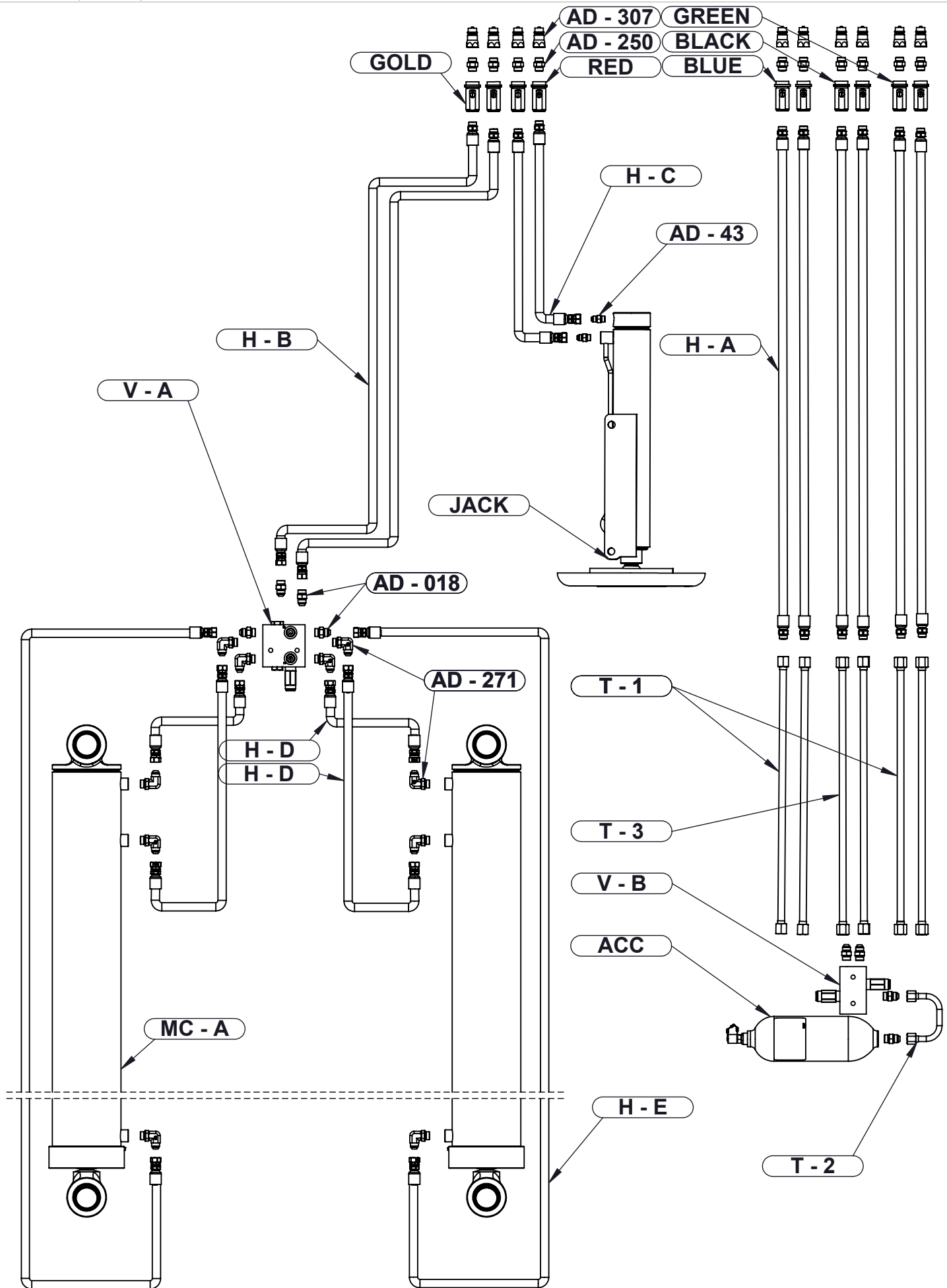




55-5-00346 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD3600 NT

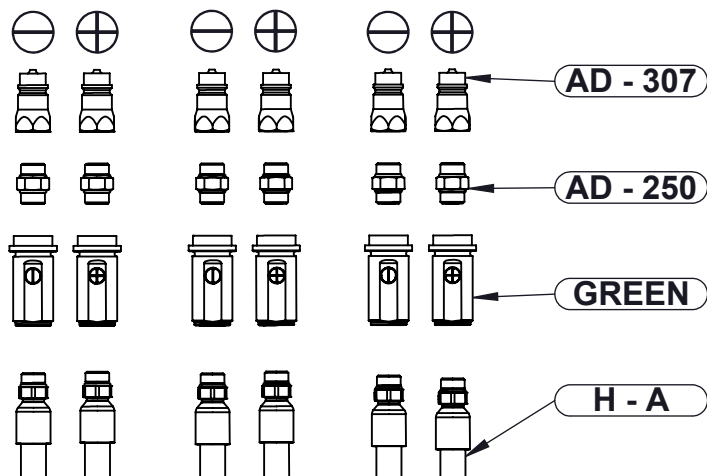
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	2
R - B	90-37-1734	Hose, 06 x 135 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1390	Hose, 06 x 75 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1759	Hose, 06 x 118 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1760	Hose, 06 x 121 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2

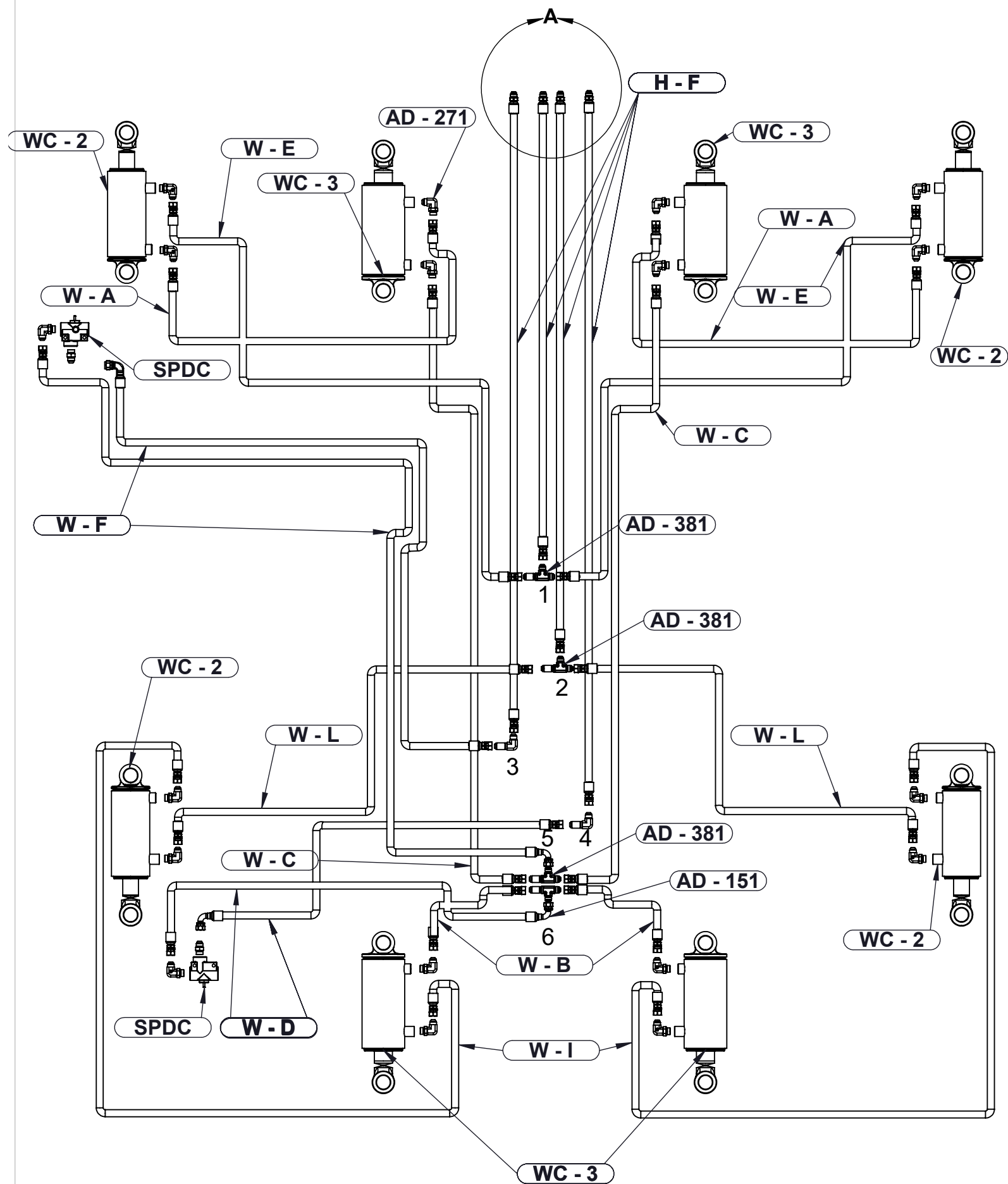




55-5-00347 HITCH HYDRAULIC SCHEMATIC FOR HSD3900 NT

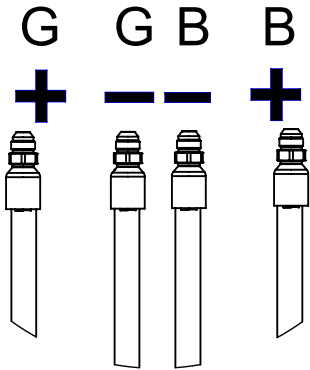
LABEL	PART NUMBER	DESCRIPTION	QTY.
ACC	90-36-0036	ASSY, ACCUMULATOR & DECAL	1
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	8
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	10
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	10
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	10
AD - 43	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2
BLACK	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1
BLUE	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	1
GOLD	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	1
GREEN	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	1
H - A	90-37-1850	Hose, 08 x 280 OAL, 08 MJ x 08 MO	6
H - B	90-37-1852	Hose, 08 x 310 OAL, 08 FJX x 08 MO	2
H - C	90-37-1671	Hose, 06 x 123 OAL, 06 FJX x 08 MO	2
H - D	90-37-1471	Hose, 08 x 32 OAL, 08 FJX x 08 FJX 90	4
H - E	90-37-1468	Hose, 08 x 66 OAL, 08 FJX x 08 FJX	2
JACK	55-2-00563	Jack, 17,500lb x 18" Hydraulic w/Base	1
MC - A	90-39-0134	Cylinder, 6" x 54" 3 Port X-Tube (BLK)	2
RED	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	4
T - 2	55-4-02227	TUBE, ACCUMULATOR	1
T - 3	55-4-02414	Hydraulic Tube Wing Fold	2
V - A	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1



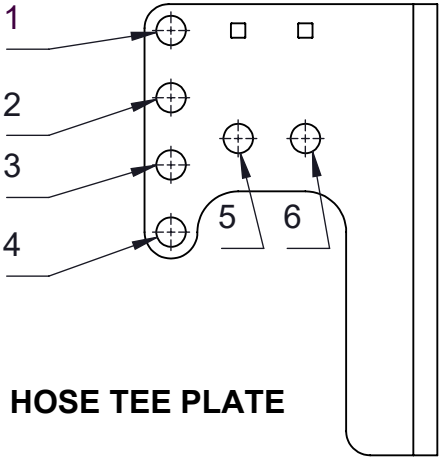


55-5-00347 WING HYDRAULIC SCHEMATIC FOR HSD3900 NT

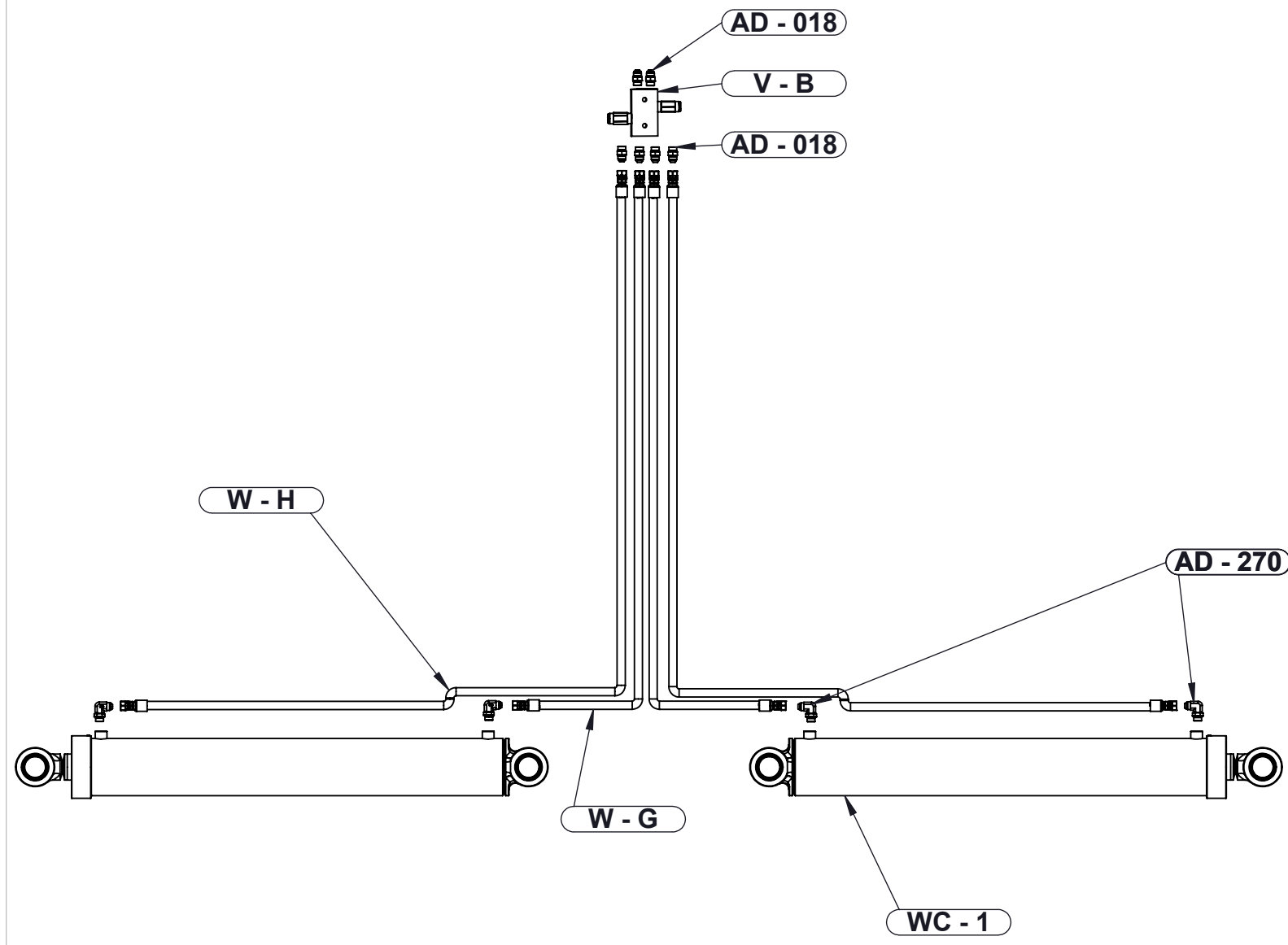
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	2
AD - 151	90-38-0151	Adapter, 90° Elbow, 08 FJX x 08 MJ	4
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	18
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
AD - 382	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2
H - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	4
SPDC	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	2
W - A	90-37-1684	Hose, 06 x 230 OAL, 08 FJX x 08 FJX	2
W - B	90-37-1864	Hose, 06 x 25 OAL, 08 FJX x 08 FJX	2
W - C	90-37-1686	Hose, 06 x 31 OAL, 08 FJX x 08 FJX	2
W - D	90-37-1861	Hose, 08 x 144 OAL, 08 FJX x 08 FJX 90	2
W - E	90-37-1684	Hose, 06 x 230 OAL, 08 FJX x 08 FJX	2
W - F	90-37-1856	Hose, 08 x 207 OAL, 08 FJX x 08 FJX 90	2
W - I	90-37-1871	Hose, 06 x 161 OAL, 08 FJX x 08 FJX	2
W - L	90-37-1678	Hose, 06 x 155 OAL, 08 FJX x 08 FJX	2
WC - 2	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
WC - 3	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4



DETAIL A
SCALE 1 : 6

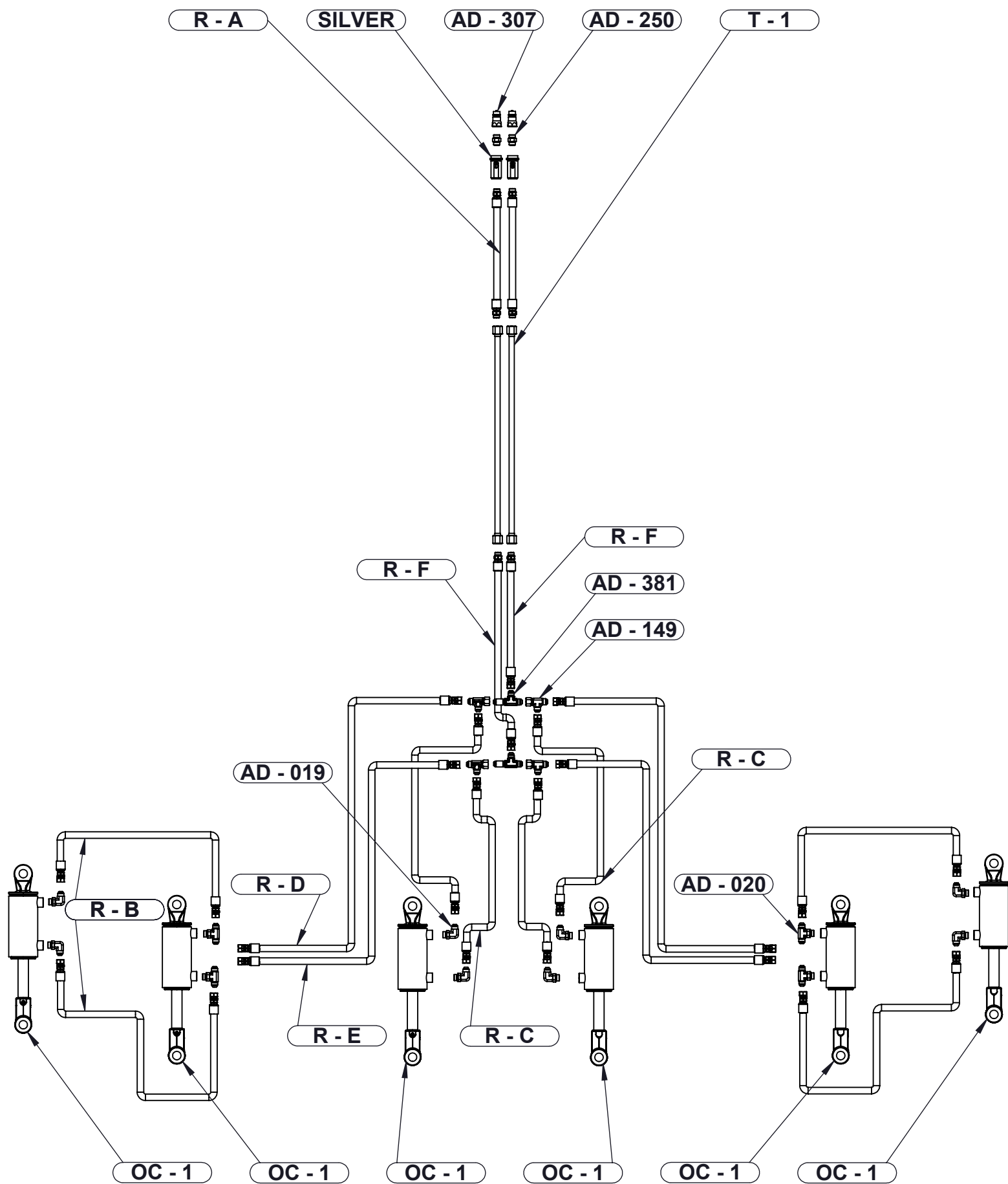


HOSE TEE PLATE



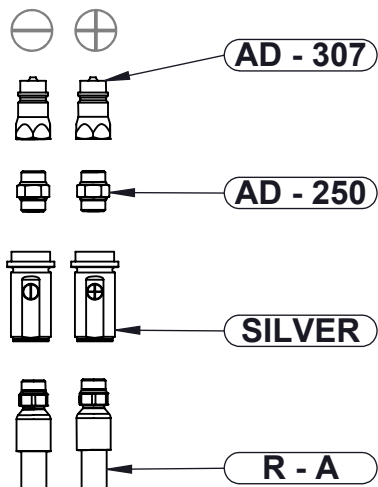
55-5-00347 WING HYDRAULIC SCHEMATIC FOR HSD3900 NT

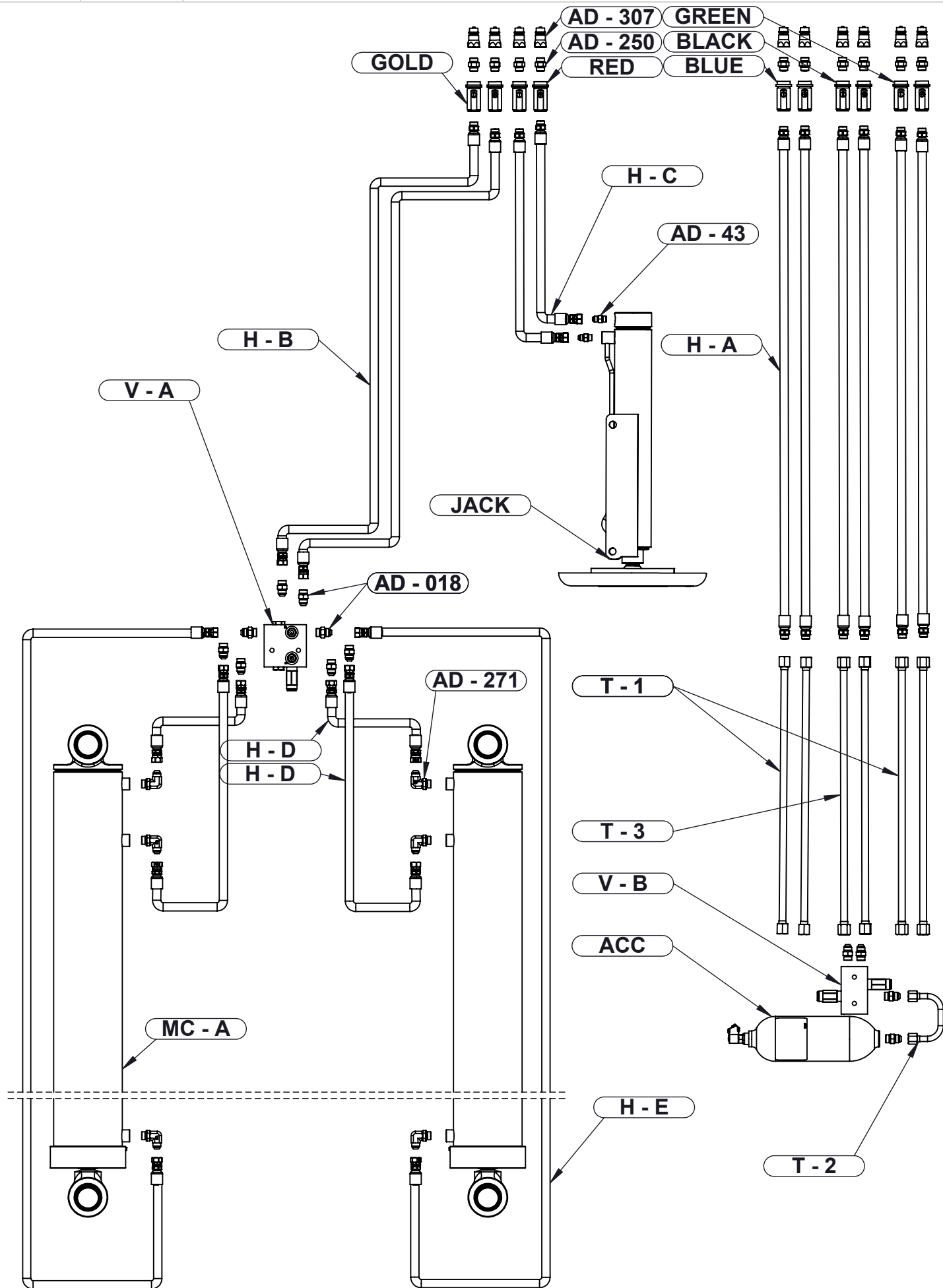
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	6
AD - 270	90-38-0270	Adapter, 90' Elbow, 08 MO x 08 MJ - Restrictor .089	4
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1
W - G	90-37-1867	Hose, 06 x 112 OAL, 08 FJX x 08 FJX	2
W - H	90-37-1865	Hose, 06 x 140 OAL, 08 FJX x 08 FJX	2
WC - 1	90-39-0135	Cylinder, 5" x 36" X-Tube (BLK)	2



55-5-00347 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD3900 NT

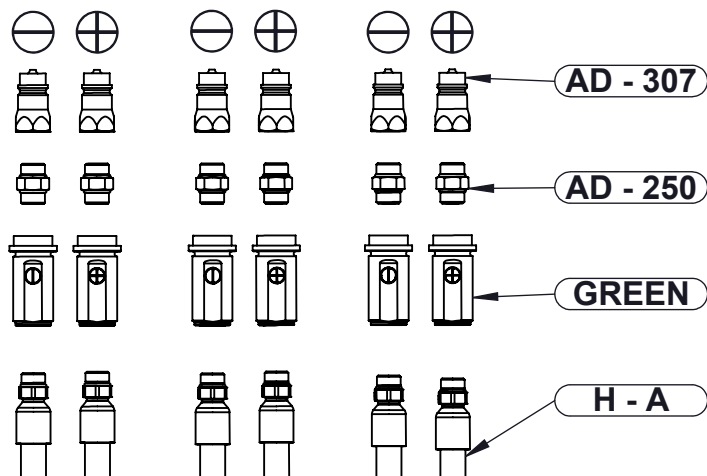
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1746	Hose, 08 x 280 OAL, 08 MJ x 08 MO	2
R - B	90-37-1734	Hose, 06 x 135 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1390	Hose, 06 x 75 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1740	Hose, 06 x 124 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1741	Hose, 06 x 128 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2

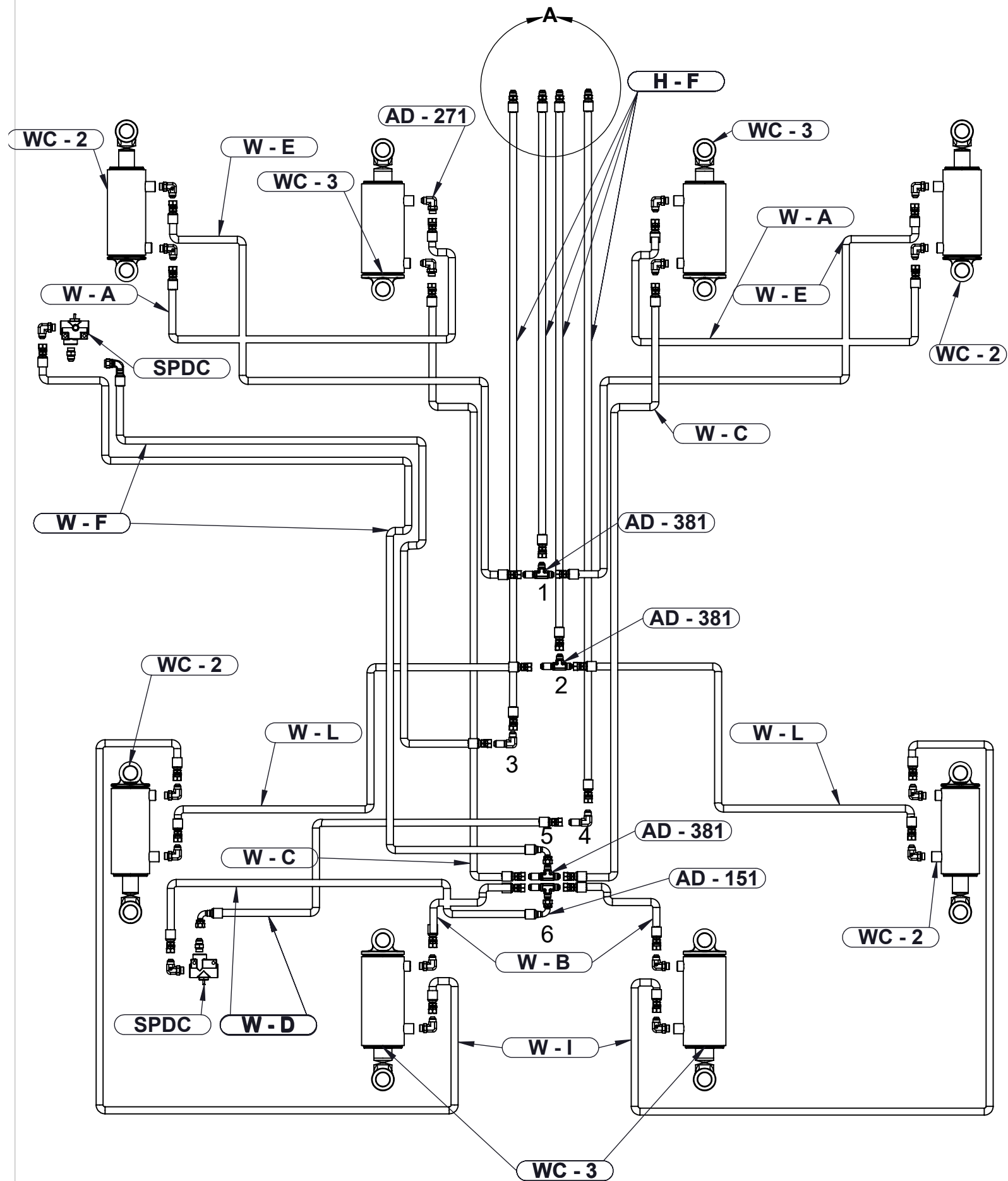




55-5-00348 HITCH HYDRAULIC SCHEMATIC FOR HSD3600 STD - HSD3900 STD

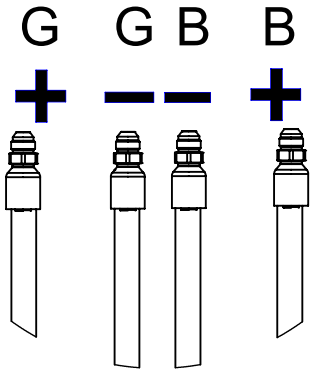
LABEL	PART NUMBER	DESCRIPTION	QTY.
ACC	90-36-0036	ASSY, ACCUMULATOR & DECAL	1
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	12
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	10
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	6
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	10
AD - 43	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2
BLACK	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1
BLUE	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	1
GOLD	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	1
GREEN	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	1
H - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	6
H - B	90-37-1752	Hose, 08 x 270 OAL, 08 FJX x 08 MO	2
H - C	90-37-1671	Hose, 06 x 123 OAL, 06 FJX x 08 MO	2
H - D	90-37-1847	Hose, 08 x 25 OAL, 08 FJX x 08 FJX	4
H - E	90-37-1848	Hose, 08 x 68 OAL, 08 FJX x 08 FJX	2
JACK	55-2-00563	Jack, 17,500lb x 18" Hydraulic w/Base	1
MC - A	90-39-0134	Cylinder, 6" x 54" 3 Port X-Tube (BLK)	2
RED	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	4
T - 2	55-4-02227	TUBE, ACCUMULATOR	1
T - 3	55-4-02414	Hydraulic Tube Wing Fold	2
V - A	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1



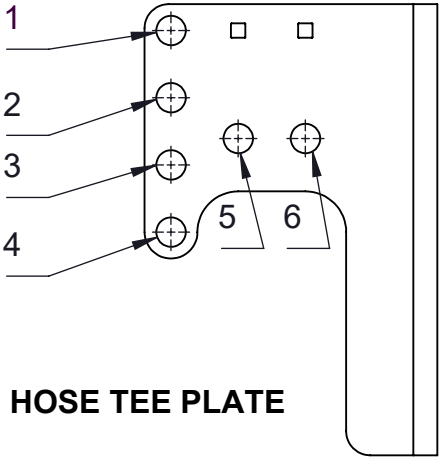


55-5-00348 WING HYDRAULIC SCHEMATIC FOR HSD3600 STD - HSD3900 STD

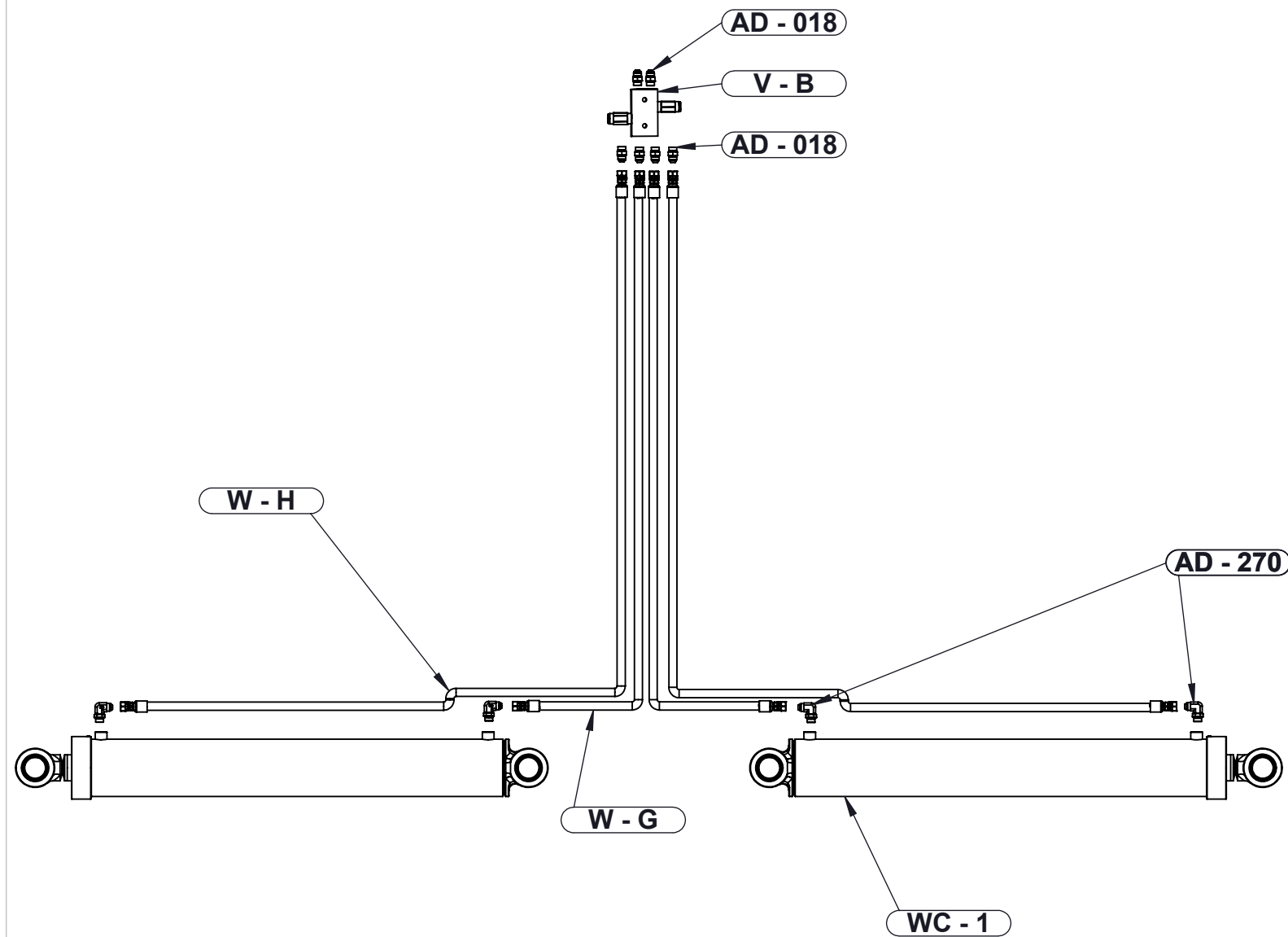
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	2
AD - 151	90-38-0151	Adapter, 90° Elbow, 08 FJX x 08 MJ	4
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	18
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
AD - 382	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2
H - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	4
SPDC	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	2
W - A	90-37-1862	Hose, 06 x 225 OAL, 08 FJX x 08 FJX	2
W - B	90-37-1385	Hose, 06 x 39 OAL, 08 FJX x 08 FJX	2
W - C	90-37-1839	Hose, 06 x 44 OAL, 08 FJX x 08 FJX	2
W - D	90-37-1853	Hose, 08 x 154 OAL, 08 FJX x 08 FJX 90	2
W - E	90-37-1783	Hose, 06 x 222 OAL, 08 FJX x 08 FJX	2
W - F	90-37-1854	Hose, 08 x 212 OAL, 08 FJX x 08 FJX 90	2
W - I	90-37-1872	Hose, 06 x 159 OAL, 08 FJX x 08 FJX	2
W - L	90-37-1679	Hose, 06 x 165 OAL, 08 FJX x 08 FJX	2
WC - 2	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
WC - 3	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4



DETAIL A
SCALE 1 : 6

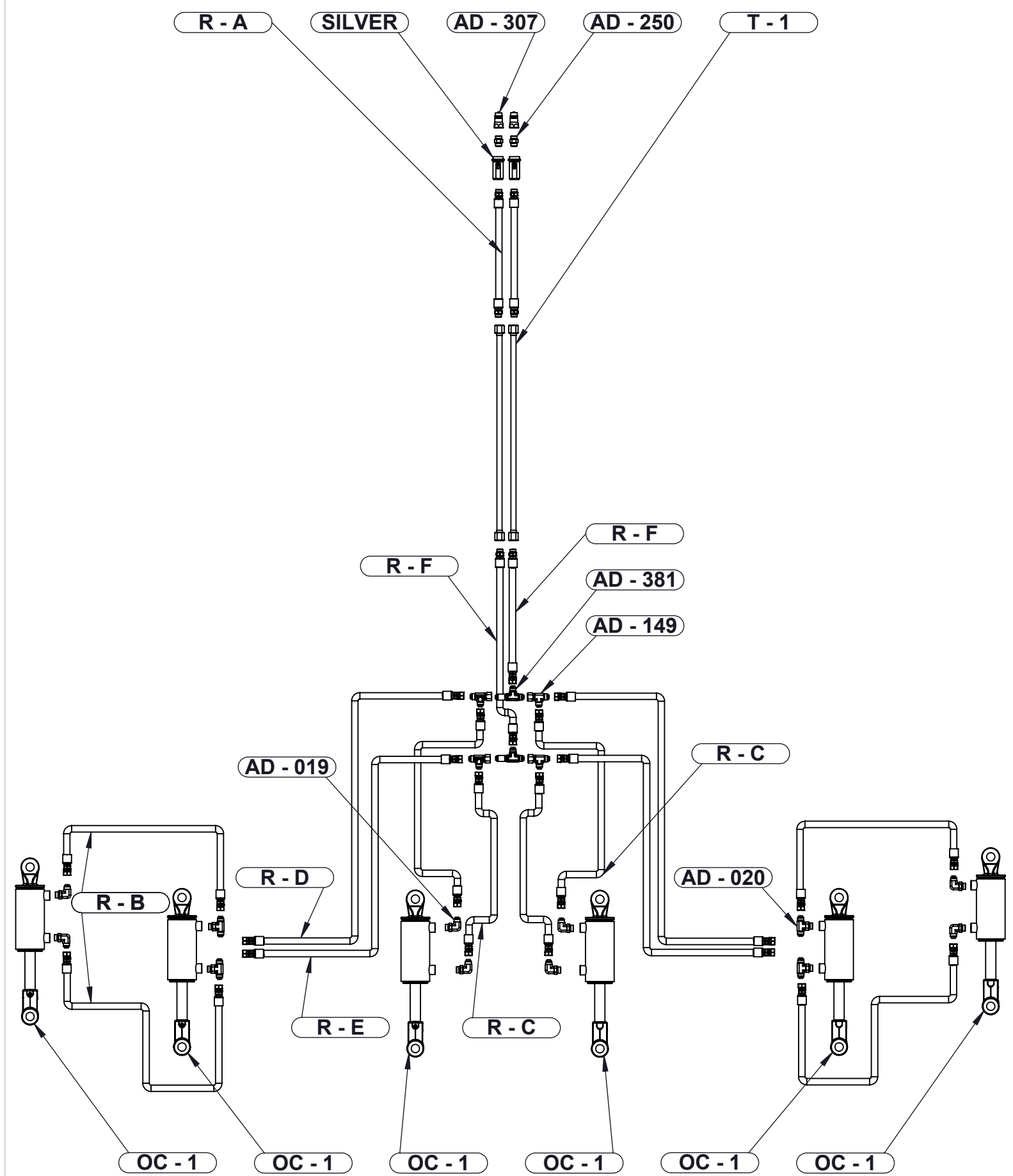


HOSE TEE PLATE



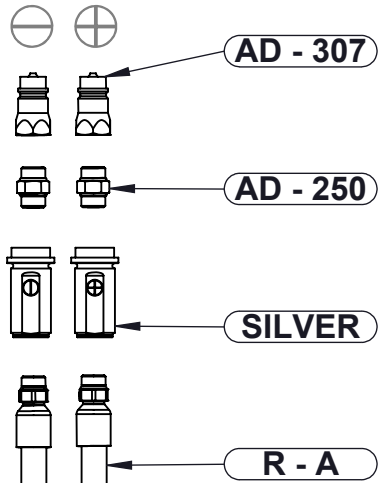
55-5-00348 WING HYDRAULIC SCHEMATIC FOR HSD3600 STD - HSD3900 STD

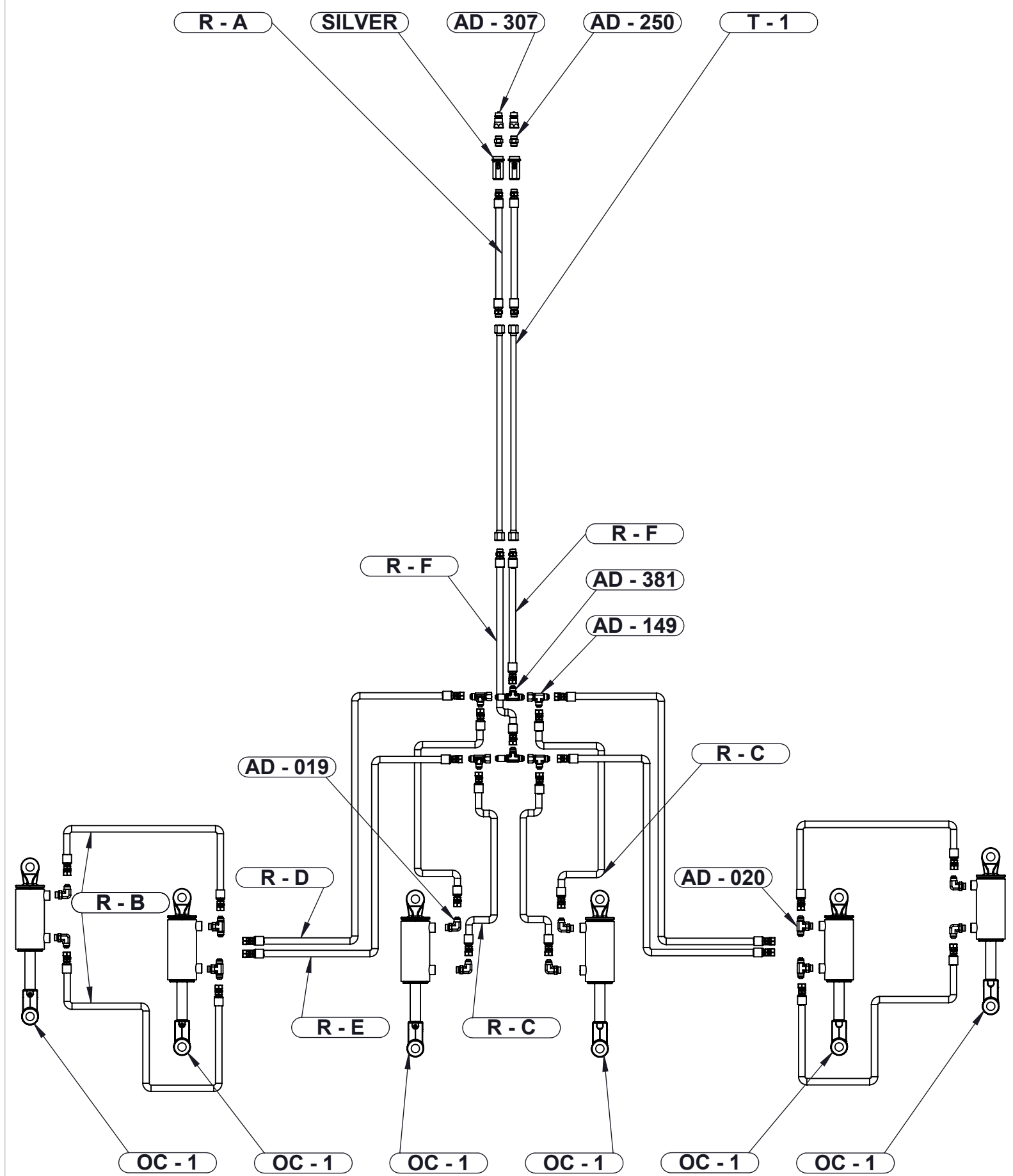
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	6
AD - 270	90-38-0270	Adapter, 90' Elbow, 08 MO x 08 MJ - Restrictor .089	4
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1
W - G	90-37-1843	Hose, 06 x 132 OAL, 08 FJX x 08 FJX	2
W - H	90-37-1844	Hose, 06 x 160 OAL, 08 FJX x 08 FJX	2
WC - 1	90-39-0135	Cylinder, 5" x 36" X-Tube (BLK)	2



55-5-00348 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD3600 STD

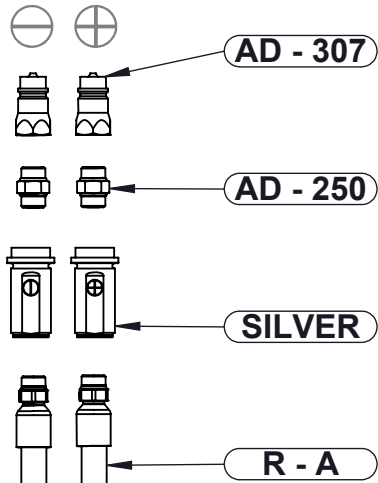
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	2
R - B	90-37-1673	Hose, 06 x 124 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1396	Hose, 06 x 99 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1674	Hose, 06 x 134 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1676	Hose, 06 x 138 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2

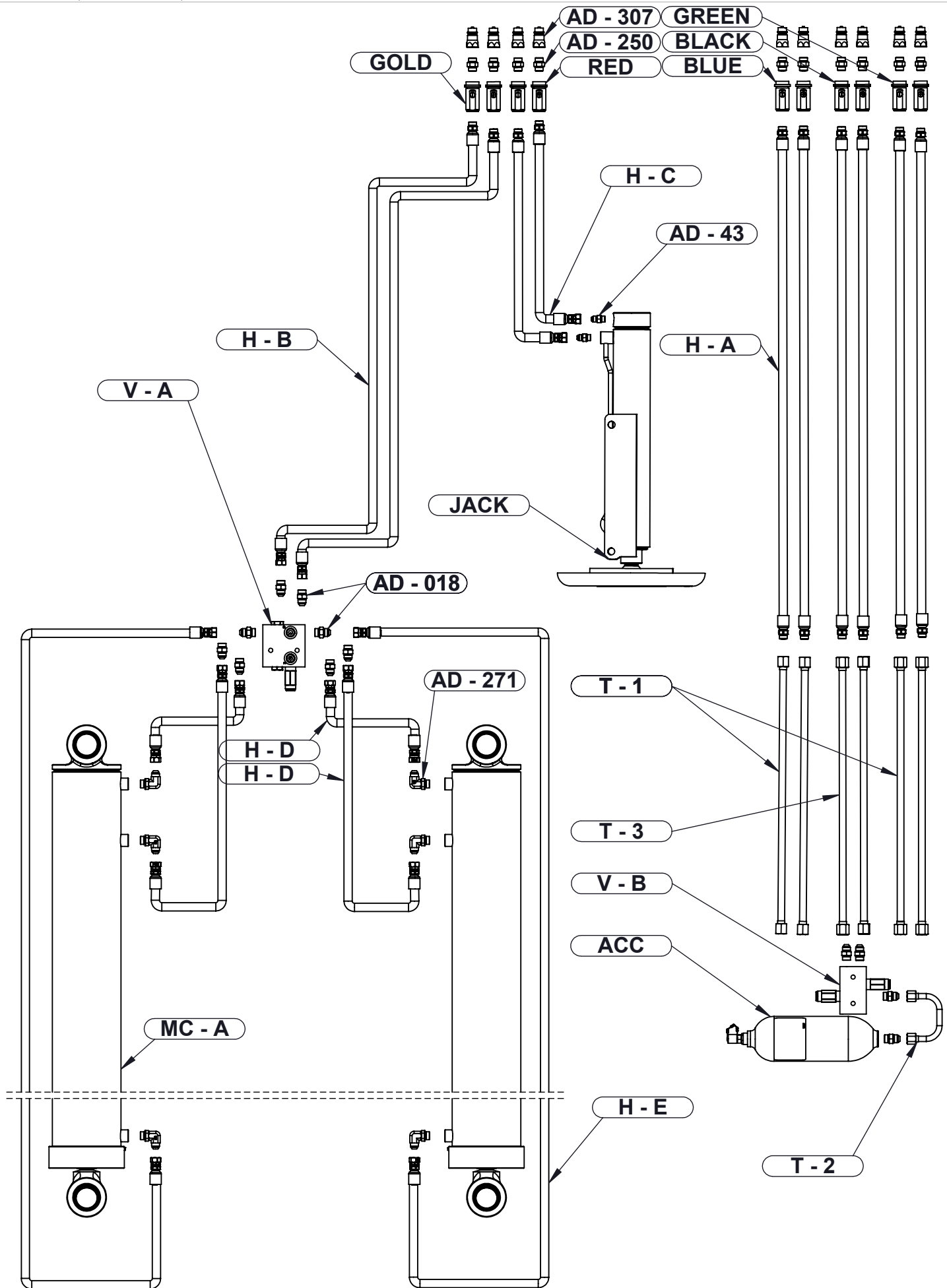




55-5-00348 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD3900 STD

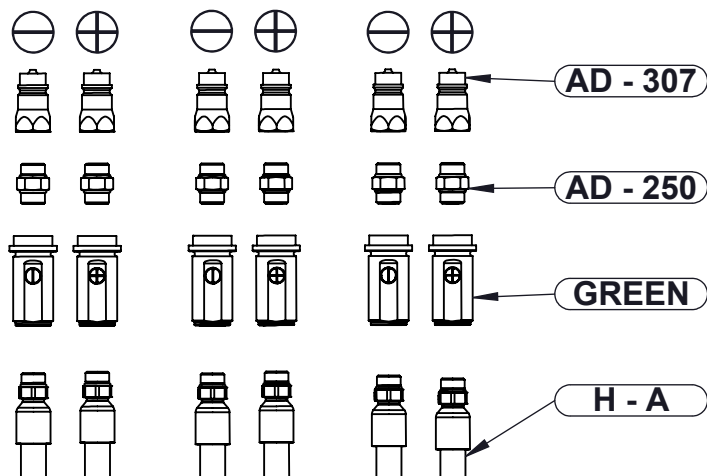
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1751	Hose, 08 x 240 OAL, 08 MJ x 08 MO	2
R - B	90-37-1734	Hose, 06 x 135 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1396	Hose, 06 x 99 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1674	Hose, 06 x 134 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1676	Hose, 06 x 138 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2

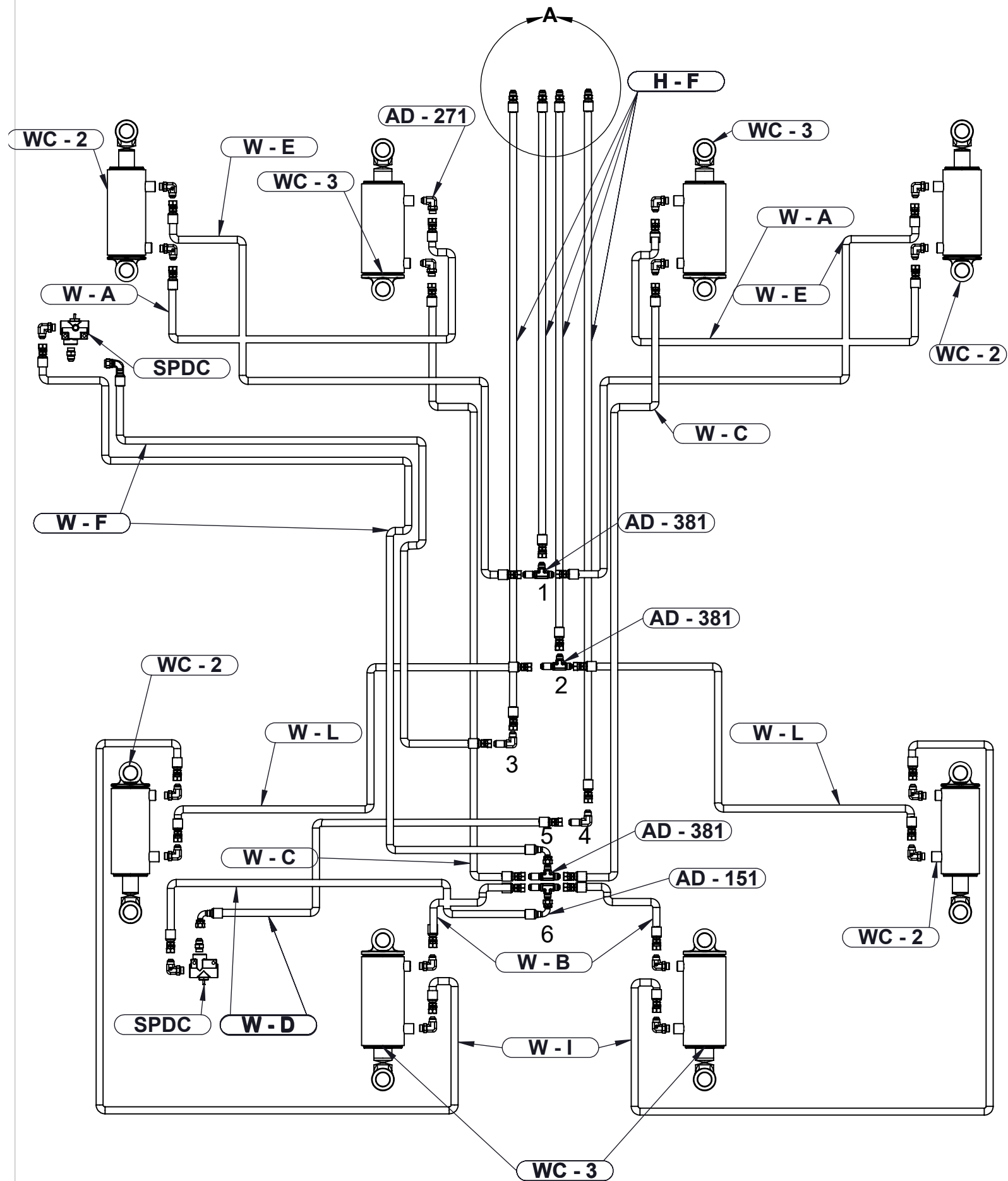




55-5-00349 HITCH HYDRAULIC SCHEMATIC FOR HSD4250 STD - HSD4600 STD

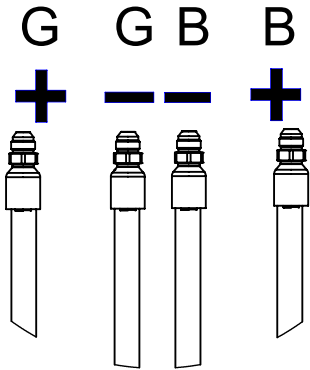
LABEL	PART NUMBER	DESCRIPTION	QTY.
ACC	90-36-0036	ASSY, ACCUMULATOR & DECAL	1
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	12
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	10
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	6
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	10
AD - 43	90-38-0043	Adapter, Straight, 06 MJ x 06 MO	2
BLACK	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1
BLUE	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	1
GOLD	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	1
GREEN	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	1
H - A	90-37-1850	Hose, 08 x 280 OAL, 08 MJ x 08 MO	6
H - B	90-37-1852	Hose, 08 x 310 OAL, 08 FJX x 08 MO	2
H - C	90-37-1671	Hose, 06 x 123 OAL, 06 FJX x 08 MO	2
H - D	90-37-1847	Hose, 08 x 25 OAL, 08 FJX x 08 FJX	4
H - E	90-37-1848	Hose, 08 x 68 OAL, 08 FJX x 08 FJX	2
JACK	55-2-00563	Jack, 17,500lb x 18" Hydraulic w/Base	1
MC - A	90-39-0134	Cylinder, 6" x 54" 3 Port X-Tube (BLK)	2
RED	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	4
T - 2	55-4-02227	TUBE, ACCUMULATOR	1
T - 3	55-4-02414	Hydraulic Tube Wing Fold	2
V - A	90-36-0131	Valve, Relief w/Bypass - Main Lift (1900 psi)	1
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1



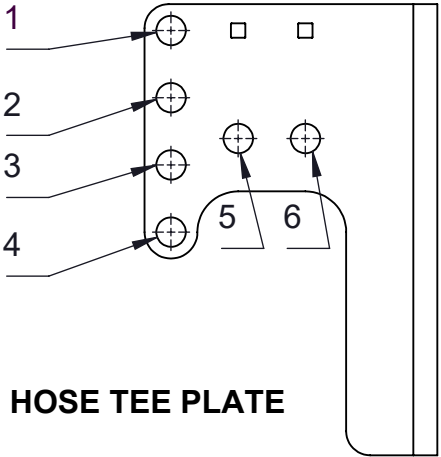


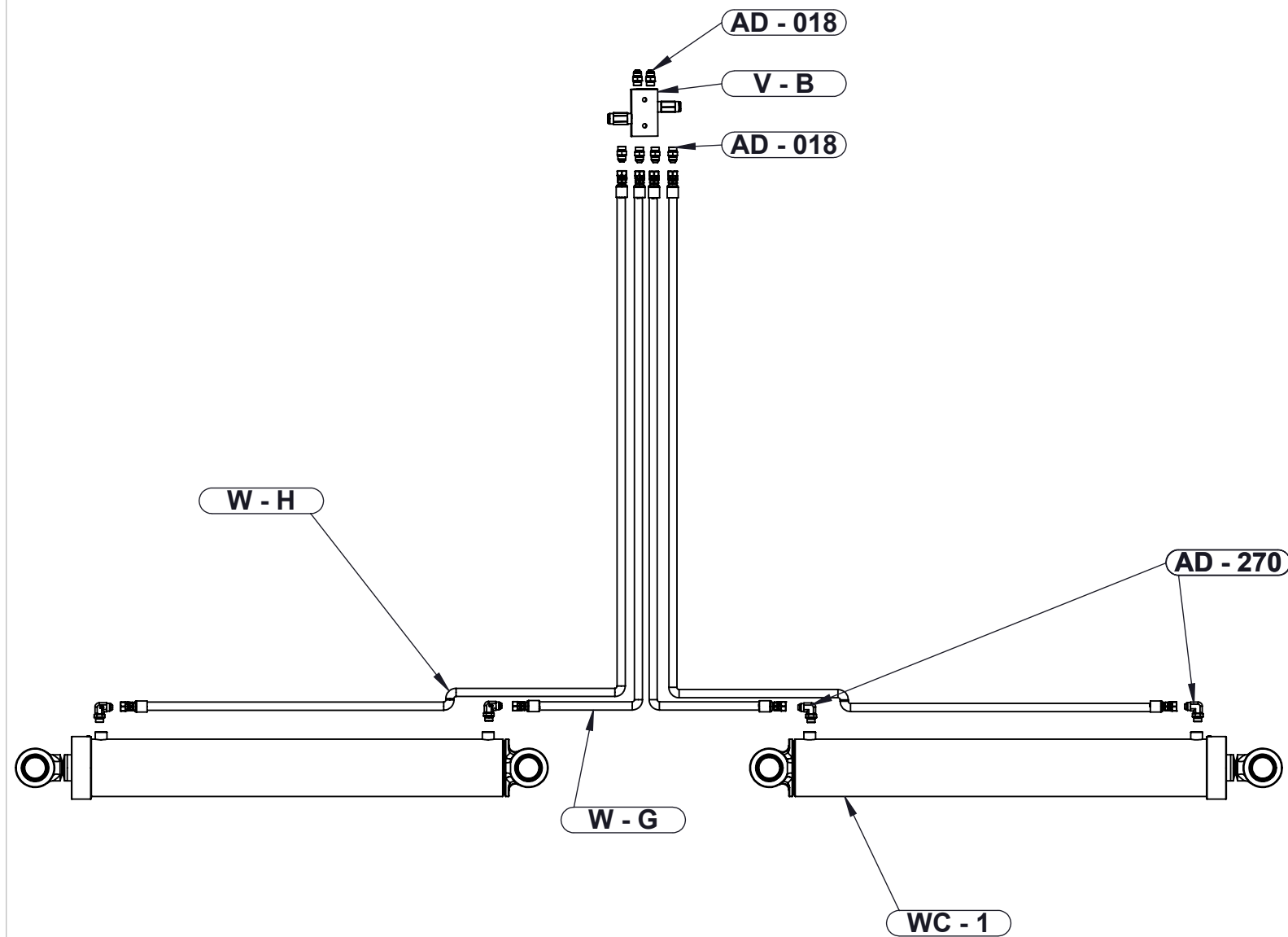
55-5-00349 WING HYDRAULIC SCHEMATIC FOR HSD4250 STD - HSD4600 STD

LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	2
AD - 151	90-38-0151	Adapter, 90° Elbow, 08 FJX x 08 MJ	4
AD - 271	90-38-0271	Adapter, 90° Elbow, 08 MO x 08 MJ	18
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	4
AD - 382	90-38-0382	Adapter, 90° Bulk Head, 08 MJ x 08 MJ	2
H - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	4
SPDC	90-36-0076	VALVE, SINGLE POINT DEPTH CONTROL	2
W - A	90-37-1863	Hose, 06 x 258 OAL, 08 FJX x 08 FJX	2
W - B	90-37-1385	Hose, 06 x 39 OAL, 08 FJX x 08 FJX	2
W - C	90-37-1839	Hose, 06 x 44 OAL, 08 FJX x 08 FJX	2
W - D	90-37-1859	Hose, 08 x 174 OAL, 08 FJX x 08 FJX 90	2
W - E	90-37-1736	Hose, 06 x 257 OAL, 08 FJX x 08 FJX	2
W - F	90-37-1855	Hose, 08 x 247 OAL, 08 FJX x 08 FJX 90	2
W - I	90-37-1873	Hose, 06 x 184 OAL, 08 FJX x 08 FJX	2
W - L	90-37-1758	Hose, 06 x 190 OAL, 08 FJX x 08 FJX	2
WC - 2	90-39-0137	Cylinder, 3.75" x 6" Reph X-Tube (BLK)	4
WC - 3	90-39-0136	Cylinder, 4.25" x 6" Reph X-Tube (BLK)	4



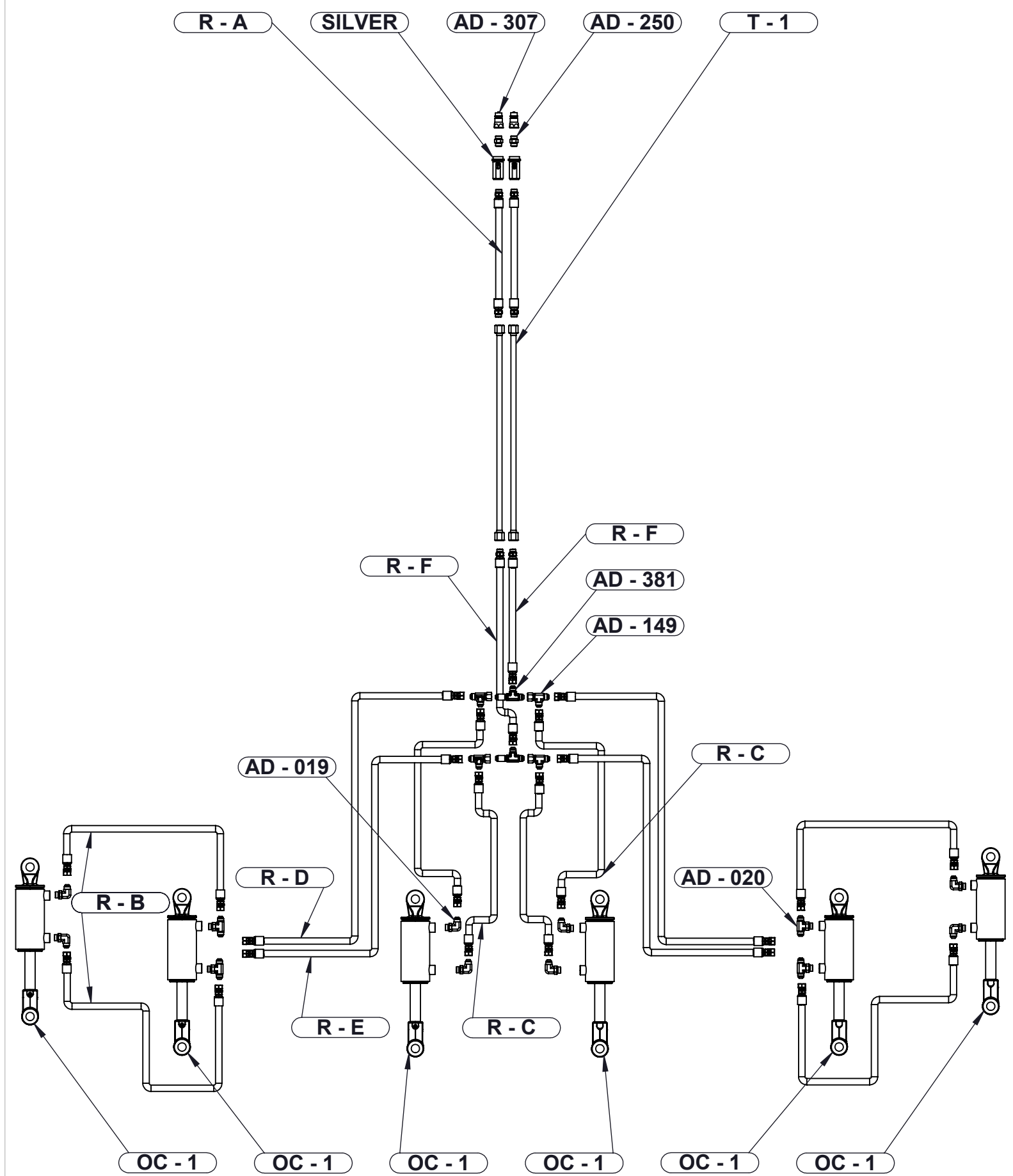
DETAIL A
SCALE 1 : 6





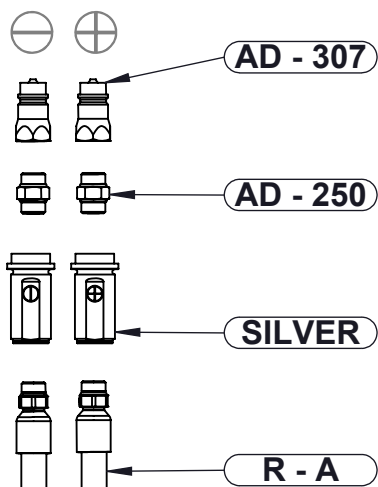
55-5-00349 WING HYDRAULIC SCHEMATIC FOR HSD4250 STD - HSD4600 STD

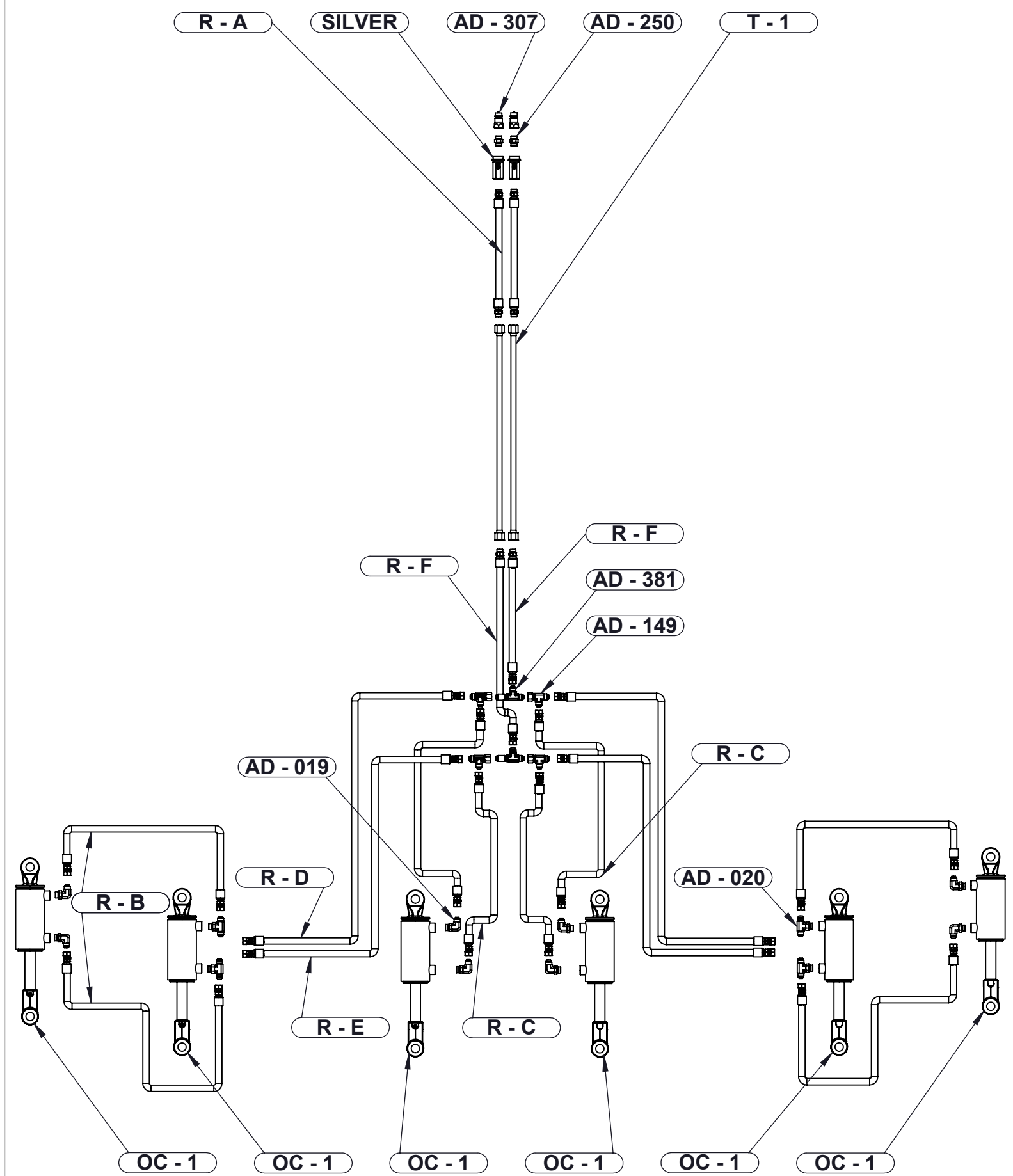
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 018	90-38-0018	Adapter, Straight, 08 MO x 08 MJ	6
AD - 270	90-38-0270	Adapter, 90' Elbow, 08 MO x 08 MJ - Restrictor .089	4
V - B	90-36-0132	Valve, Crossover Relief Wing Fold	1
W - G	90-37-1843	Hose, 06 x 132 OAL, 08 FJX x 08 FJX	2
W - H	90-37-1844	Hose, 06 x 160 OAL, 08 FJX x 08 FJX	2
WC - 1	90-39-0135	Cylinder, 5" x 36" X-Tube (BLK)	2



55-5-00349 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD4250 STD

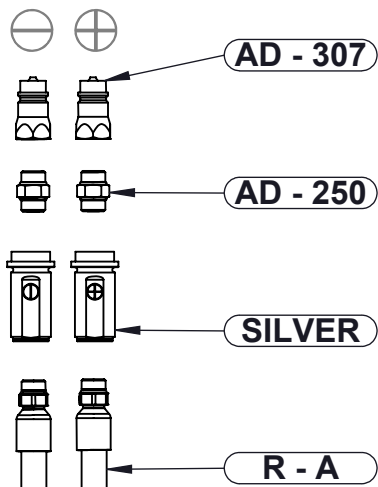
LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1746	Hose, 08 x 280 OAL, 08 MJ x 08 MO	2
R - B	90-37-1734	Hose, 06 x 135 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1396	Hose, 06 x 99 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1674	Hose, 06 x 134 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1676	Hose, 06 x 138 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2





55-5-00349 RUBBER ROLLER HYDRAULIC SCHEMATIC FOR HSD4600 STD

LABEL	PART NUMBER	DESCRIPTION	QTY.
AD - 019	90-38-0019	Adapter, 90° Elbow, 08 MO x 08 MJ	8
AD - 020	90-38-0020	Adapter, Tee, 08 MJ x 08 MJ x 08 MO	4
AD - 149	90-38-0149	Adapter, Tee, 08 MJ x 08 FJX x 08 MJ Swivel Run	4
AD - 250	90-38-0250	Adapter, Hose Grip Straight, 08 MO x 08 MO	2
AD - 307	90-38-0307	Male Quick Coupler, 08 FO (Poppet)	2
AD - 381	90-38-0381	Adapter, Tee, 08 MJ Bulkhead Run	2
OC - 1	90-39-0082	Cylinder, 3" Bore x 4" Stroke (Black)	6
R - A	90-37-1746	Hose, 08 x 280 OAL, 08 MJ x 08 MO	2
R - B	90-37-1789	Hose, 06 x 158 OAL, 08 FJX x 08 FJX	4
R - C	90-37-1396	Hose, 06 x 99 OAL, 08 FJX x 08 FJX	4
R - D	90-37-1674	Hose, 06 x 134 OAL, 08 FJX x 08 FJX 90	2
R - E	90-37-1676	Hose, 06 x 138 OAL, 08 FJX x 08 FJX 90	2
R - F	90-37-1710	Hose, 08 x 62 OAL, 08 FJX x 08 MJ	2
SILVER	90-38-0256	Hose Grip, 08 FO x 08 FO Silver Set (Plus & Minus)	1
T - 1	55-4-02416	Hydraulic Tube Height Adjust	2



Metric International Standards Organization (ISO) Fastener Torque

Use these torques, unless special torques are specified. Values are for coarse thread fasteners, plated or unplated, as received from supplier. Fasteners can be dry or lubricated with normal engine oil. Values do not apply if graphite, molydisulphide or other extreme pressure lubricant is used.

ISO Class No.	8.8				10.9				12.9			
Bolt Head Identification (See Note below.)												
Bolt Size	ft-lbs		Nm		ft-lbs		Nm		ft-lbs		Nm	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
M4	2	3	3	4	3	4	4	5	Because of the low ductility of these fasteners, the torque range is to be determined individually for each application. As a general rule, the torque ranges specified for Grade 10.9 fasteners can be used satisfactorily on 12.9 fasteners.			
M5	5	6	7	8	7	8.0	10	11				
M6	8	9	11	12	11	13	15	18				
M8	19	23	26	31	27	32	37	43				
M10	38	45	52	61	54	64	73	87				
M12	66	79	90	107	93	112	125	150				
M14	106	127	144	172	149	179	200	245				
M16	160	200	217	271	230	280	310	380				
M20	320	380	434	515	450	540	610	730				
M24	500	600	675	815	780	940	1050	1275				
M30	920	1100	1250	1500	1470	1770	2000	2400				
M36	1600	1950	2175	2600	2580	3090	3500	4200				

Notes: Bolt head identification marks as per grade. Manufacturing marks will vary.

CONVERSION CHART											
Inch Fractions and Decimals to Millimeter Equivalents											
Inches		MM	Inches		MM	Inches		MM	Inches		MM
Fraction	Decimal		Fraction	Decimal		Fraction	Decimal		Fraction	Decimal	
-	0.0004	0.01	-	0.3	7.62	-	0.7874	20	-	1.969	50
-	0.001	0.025	5/16	0.3125	7.938	51/64	0.7969	20.241	2	2	50.8
-	0.0039	0.1	-	0.315	8	13/16	0.8125	20.638	2-1/8	2.125	54
-	0.005	0.127	21/64	0.3281	8.334	-	0.8268	21	-	2.165	55
-	0.0079	0.2	-	0.3346	8.5	53/64	0.8281	21.034	2-1/4	2.25	57.2
-	0.0098	0.25	11/32	0.3438	8.731	27/32	0.8438	21.431	-	2.362	60
-	0.01	0.254	-	0.3543	9	55/64	0.8594	21.828	2-3/8	2.375	60.3
-	0.0118	0.3	23/64	0.3594	9.128	-	0.8662	22	2-1/2	2.5	63.5
1/64	0.0156	0.397	-	0.374	9.5	7/8	0.875	22.225	-	2.559	65
-	0.0157	0.4	3/8	0.375	9.525	57/64	0.8906	22.622	2-5/8	2.625	66.7
-	0.0197	0.5	25/64	0.3906	9.922	-	0.9	22.86	2-3/4	2.75	69.9
-	0.0236	0.6	-	0.3937	10	-	0.9055	23	-	2.756	70
-	0.025	0.635	-	4	10.16	29/32	0.9063	23.019	2-7/8	2.875	73
-	0.0276	0.7	13/32	0.4062	10.319	59/64	0.9219	23.416	-	2.953	75
-	0.0295	0.75	-	0.4134	10.5	15/16	0.9375	23.813	3	3	76.2
1/32	0.0313	0.794	27/64	0.4219	10.716	-	0.9449	24	-	3.15	80
-	0.0315	0.8	-	0.4331	11	61/64	0.9531	24.209	3-1/4	3.25	82.6
-	0.0354	0.9	7/16	0.4375	11.113	31/32	0.9688	24.606	-	3.346	85
-	0.0394	1	29/64	0.4531	11.509	-	0.9843	25	3-1/2	3.5	88.9
3/64	0.0469	1.191	15/32	0.4688	11.906	1	1	25.4	-	3.543	90
-	0.0472	1.2	-	0.4724	12	-	1.024	26	-	3.74	95
-	0.05	1.27	31/64	0.4844	12.303	1-1/16	1.062	26.988	3-3/4	3.75	95.3
-	0.0551	1.4	-	0.4921	12.5	-	1.063	27	-	3.937	100
-	0.0591	1.5	1/2	0.5	12.7	-	1.102	28	4	4	101.6
1/16	0.0625	1.588	-	0.5118	13	1-1/8	1.125	28.575	-	4.331	110
-	0.0669	1.7	33/64	0.5156	13.097	-	1.142	29	4-1/2	4.5	114.3
-	0.075	1.905	17/32	0.5326	13.494	-	1.181	30	-	4.724	120
5/64	0.0781	1.984	-	0.5315	13.5	1-3/16	1.188	30.16	5	5	127
-	0.0787	2	35/64	0.5469	13.891	-	1.221	31	-	5.118	130
-	0.0906	2.3	-	0.5512	14	1-1/4	1.25	31.75	5-1/2	5.5	139.7
3/32	0.0938	2.381	9/16	0.5625	14.288	-	1.26	32	-	5.512	140
-	0.0984	2.5	-	0.571	14.5	-	1.299	33	-	5.906	150
-	0.1	2.54	37/64	0.5781	14.684	1-5/16	1.312	33.34	6	6	152.4
-	0.1024	2.6	-	0.5906	15	-	1.339	34	-	6.299	160
7/64	0.1093	2.776	19/32	0.5938	15.081	1-3/8	1.375	34.93	6-1/2	6.5	165.1
-	0.1181	3	-	0.6	15.24	-	1.378	35	7	7	177.8
1/8	0.125	3.175	39/64	0.6094	15.478	-	1.417	36	-	7.087	180
-	0.1378	3.5	-	0.6103	15.5	1-7/16	1.438	36.51	7-1/2	7.5	190.5
9/64	0.1406	3.572	5/8	0.625	15.875	-	1.457	37	-	7.874	200
5/32	0.1563	3.969	-	0.6299	16	-	1.496	38	8	8	203.2
-	0.1575	4	41/64	0.6406	16.272	1-1/2	1.5	38.1	8-1/2	8.5	215.9
11/64	0.1719	4.366	-	0.6496	16.5	-	1.535	39	-	8.661	220
-	0.1772	4.5	21/32	0.6563	16.669	1-9/16	1.562	39.69	9	9	228.6
3/16	0.1875	4.763	-	0.6693	17	-	1.575	40	-	9.449	240
-	0.1969	5	43/64	0.6719	17.066	-	1.614	41	9-1/2	9.5	241.3
-	0.2	5.08	11/16	0.6875	17.463	1-5/8	1.625	41.28	-	9.843	250
13/64	0.2031	5.159	-	0.689	17.5	-	1.654	42	10	10	254
-	0.2165	5.5	-	0.7	17.78	1-11/16	1.688	42.86	-	10.236	260
7/32	0.2188	5.556	45/64	0.7031	17.859	-	1.693	43	11	11	279.4
15/64	0.2344	5.963	-	0.7087	18	-	1.732	44	-	11.024	280
-	0.2362	6	23/32	0.7188	18.256	1-3/4	1.75	44.45	-	11.811	300
1/4	0.25	6.35	-	0.7283	18.5	-	1.772	45	12	12	304.8
-	0.2559	6.5	47/64	0.7344	18.653	-	1.811	46	13	13	330.2
17/64	0.2656	6.747	-	0.748	19	1-13/16	1.813	46.04	-	13.78	350
-	0.2756	7	3/4	0.75	19.05	-	1.85	47	14	14	355.6
9/32	0.2813	7.144	49/64	0.7656	19.447	1-7/8	1.875	47.63	15	15	381
-	0.2953	7.5	-	0.7677	19.5	-	1.89	48	-	15.748	400
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