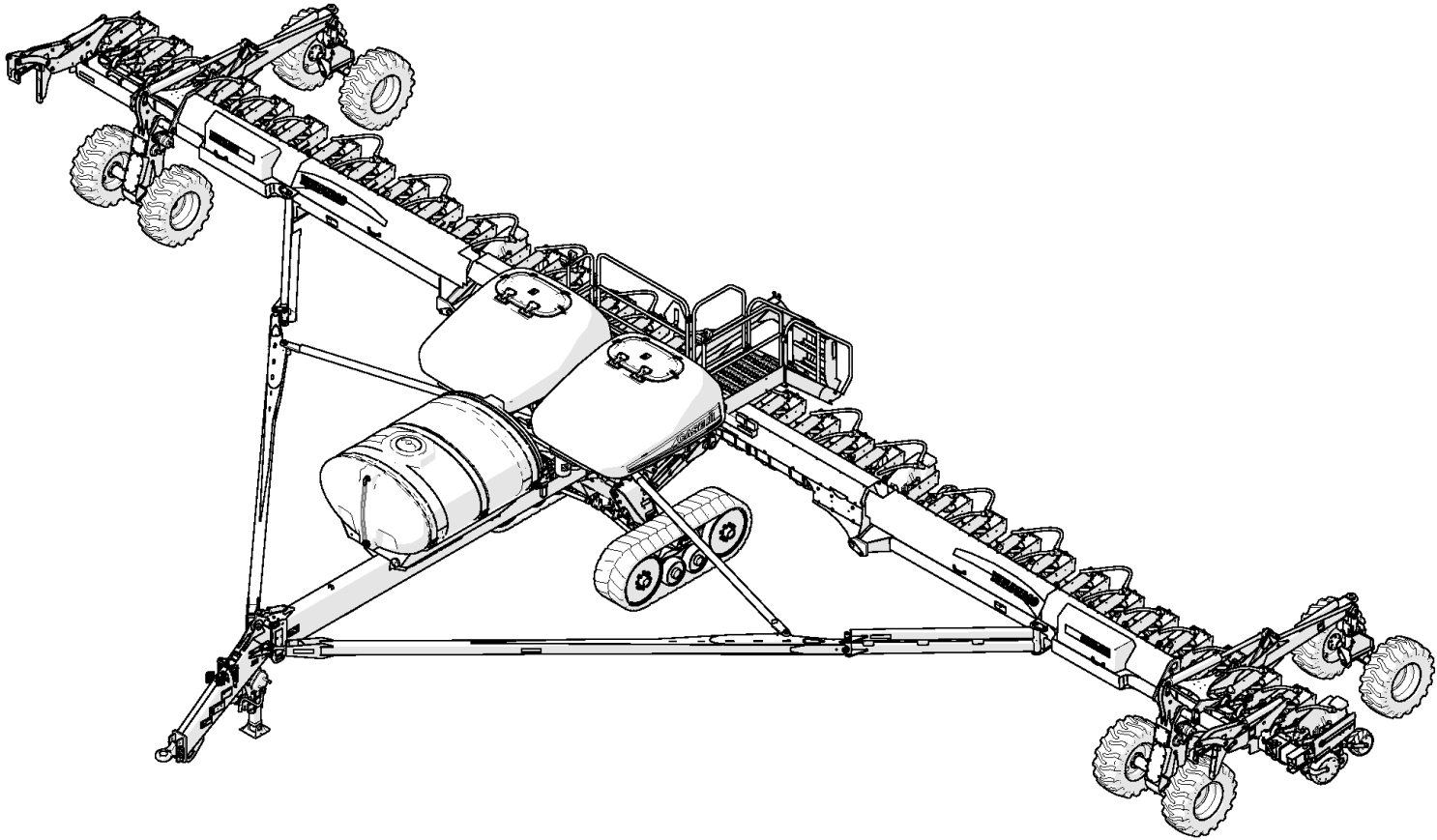


YIELDTRAC



Yieldtrac Planter Bar 24R-22

24 Row 22" Spacing (2000 Series)
Front Fold Trailing Planter

Year 2019 Model

Parts Catalog

Part number T0056283
1st edition English
July 2019



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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Read and Understand

 WARNING

Read and follow all instructions and safety precautions in this catalog and all other manuals for products associated with this planter 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 Yieldtrac Planter dealer if any of your manuals are missing or illegible or you have questions.

Preface

This parts catalog is intended for use with the Norwood Sales Inc. Yieldtrac Planter Bar 24R-22.

Revision History

Issue	Date	Reasons for Change
T0056283	July 23rd, 2019	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 in the table of contents, Index, or Bill of Materials of an exploded assembly, and the hyperlink will take you to that page.

Additionally, to determine that you are on the correct page in the parts catalog, use the following symbols:

24R-22

These symbols designate the different models of planters, and will appear at the top left corner of the parts catalog page. Choose the pages that correspond with your model of planter.

Exploded Parts Illustration.

Designates Parts Catalog Page For Yieldtrac 36R22 Model Only.

Forward Direction Of Travel Symbol

Parts Listing

36R-22 Parts Catalog

TA01027 Assy, Manifold Fert Can Bar (Left Configuration)

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0001585	Manif. Fertilizer Manifold	1	1
2	T0001586	Tee 3/4" Thread	2	2
3	T0001587	Tee 3/4" Thread	2	2
4	T0001588	Tee 3/4" MPT x 3/4" HR Elbow	2	2
5	T0001589	Tee 3/4" MPT x 3/4" HR Elbow	2	2
6	T0001590	Tee 3/4" MPT x 3/4" HR Elbow	2	2
7	T0001591	Tee 3/4" MPT x 3/4" HR Elbow	2	2
8	T0001592	Tee 3/4" MPT x 3/4" HR Elbow	2	2
9	T0001593	Tee 3/4" MPT x 3/4" HR Elbow	2	2

Notes:
1. For Backhoe Only: Manifold Symbol, Use Tractor/Hoe 24R or 36R.
2. For 24R, 36R, 48R, 60R, 72R, 84R, 96R, 108R, 120R, 132R, 144R, 156R, 168R, 180R, 192R, 204R, 216R, 228R, 240R, 252R, 264R, 276R, 288R, 300R, 312R, 324R, 336R, 348R, 360R, 372R, 384R, 396R, 408R, 420R, 432R, 444R, 456R, 468R, 480R, 492R, 504R, 516R, 528R, 540R, 552R, 564R, 576R, 588R, 600R, 612R, 624R, 636R, 648R, 660R, 672R, 684R, 696R, 708R, 720R, 732R, 744R, 756R, 768R, 780R, 792R, 804R, 816R, 828R, 840R, 852R, 864R, 876R, 888R, 900R, 912R, 924R, 936R, 948R, 960R, 972R, 984R, 996R, 1008R, 1020R, 1032R, 1044R, 1056R, 1068R, 1080R, 1092R, 1104R, 1116R, 1128R, 1140R, 1152R, 1164R, 1176R, 1188R, 1200R, 1212R, 1224R, 1236R, 1248R, 1260R, 1272R, 1284R, 1296R, 1308R, 1320R, 1332R, 1344R, 1356R, 1368R, 1380R, 1392R, 1404R, 1416R, 1428R, 1440R, 1452R, 1464R, 1476R, 1488R, 1500R, 1512R, 1524R, 1536R, 1548R, 1560R, 1572R, 1584R, 1596R, 1608R, 1620R, 1632R, 1644R, 1656R, 1668R, 1680R, 1692R, 1704R, 1716R, 1728R, 1740R, 1752R, 1764R, 1776R, 1788R, 1800R, 1812R, 1824R, 1836R, 1848R, 1860R, 1872R, 1884R, 1896R, 1908R, 1920R, 1932R, 1944R, 1956R, 1968R, 1980R, 1992R, 2004R, 2016R, 2028R, 2040R, 2052R, 2064R, 2076R, 2088R, 2100R, 2112R, 2124R, 2136R, 2148R, 2160R, 2172R, 2184R, 2196R, 2208R, 2220R, 2232R, 2244R, 2256R, 2268R, 2280R, 2292R, 2304R, 2316R, 2328R, 2340R, 2352R, 2364R, 2376R, 2388R, 2400R, 2412R, 2424R, 2436R, 2448R, 2460R, 2472R, 2484R, 2496R, 2508R, 2520R, 2532R, 2544R, 2556R, 2568R, 2580R, 2592R, 2604R, 2616R, 2628R, 2640R, 2652R, 2664R, 2676R, 2688R, 2700R, 2712R, 2724R, 2736R, 2748R, 2760R, 2772R, 2784R, 2796R, 2808R, 2820R, 2832R, 2844R, 2856R, 2868R, 2880R, 2892R, 2904R, 2916R, 2928R, 2940R, 2952R, 2964R, 2976R, 2988R, 3000R, 3012R, 3024R, 3036R, 3048R, 3060R, 3072R, 3084R, 3096R, 3108R, 3120R, 3132R, 3144R, 3156R, 3168R, 3180R, 3192R, 3204R, 3216R, 3228R, 3240R, 3252R, 3264R, 3276R, 3288R, 3300R, 3312R, 3324R, 3336R, 3348R, 3360R, 3372R, 3384R, 3396R, 3408R, 3420R, 3432R, 3444R, 3456R, 3468R, 3480R, 3492R, 3504R, 3516R, 3528R, 3540R, 3552R, 3564R, 3576R, 3588R, 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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 Sales Inc. dealer. Your nearest authorized Norwood Sales Inc. 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 Sales Inc., and Case IH replacement parts should be used to service or repair the machine. Norwood Sales Inc. replacement parts are available from your Norwood Sales Inc. 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.

Model Number / Serial Number Location

Always give your authorized Norwood dealer the model number and serial number of your Yieldtrac Planter 24R22 product when ordering parts, requesting service, or any other information to provide the most efficient service.

The model number / serial number is identified in (Fig. # 1-1) below.

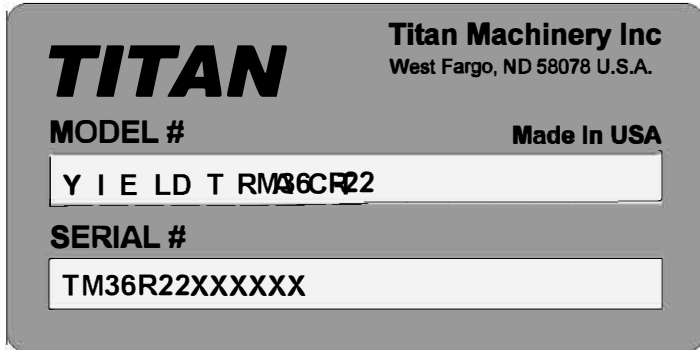


Fig. # 1-1 Model Number / Serial Number Decal

The model number / serial number is located where indicated below. (See Fig. # 1-2)

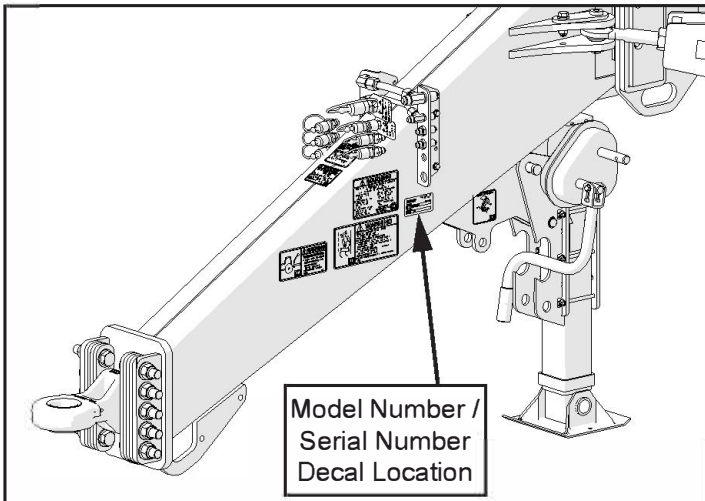


Fig. # 1-2 Model / Serial Number Decal Location

Case IH Planter Content Model Number / Serial Number Location

Always give your authorized Yieldtrac planter dealer the model number and serial number of your Case IH planter content (Wholegood) when ordering parts, requesting service, or any other information to provide the most efficient service.

The model number / serial number is identified in (Fig. # 1-3) below.

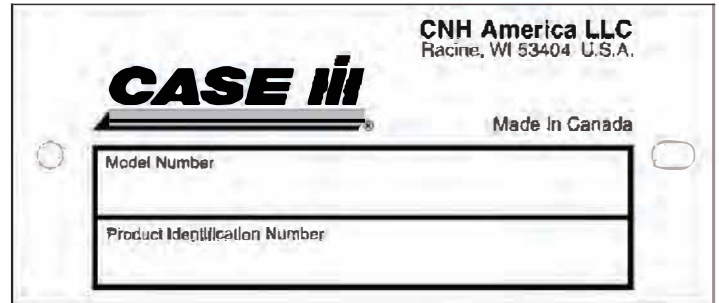


Fig. # 1-1

Fig. # 1-1 Model Number/Serial Number Decal

The model number / serial number is located where indicated below. (See Fig. # 1-4)

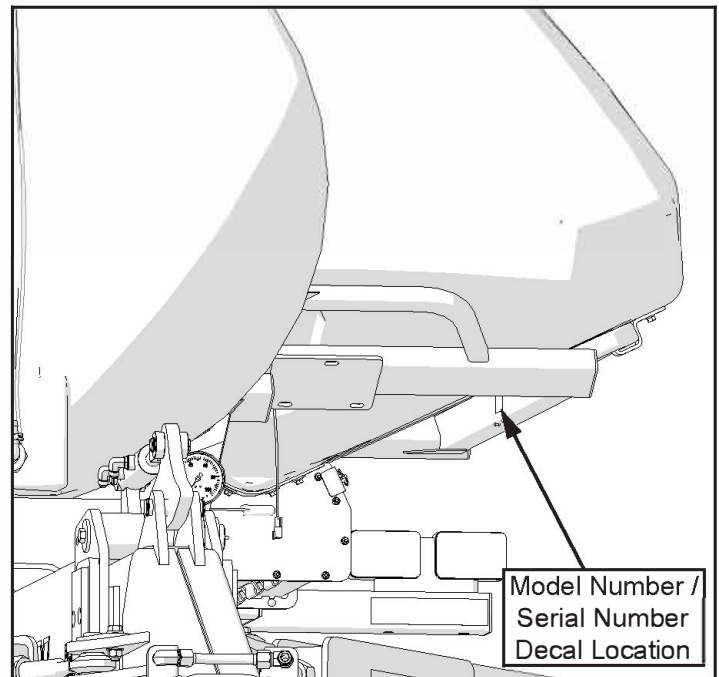
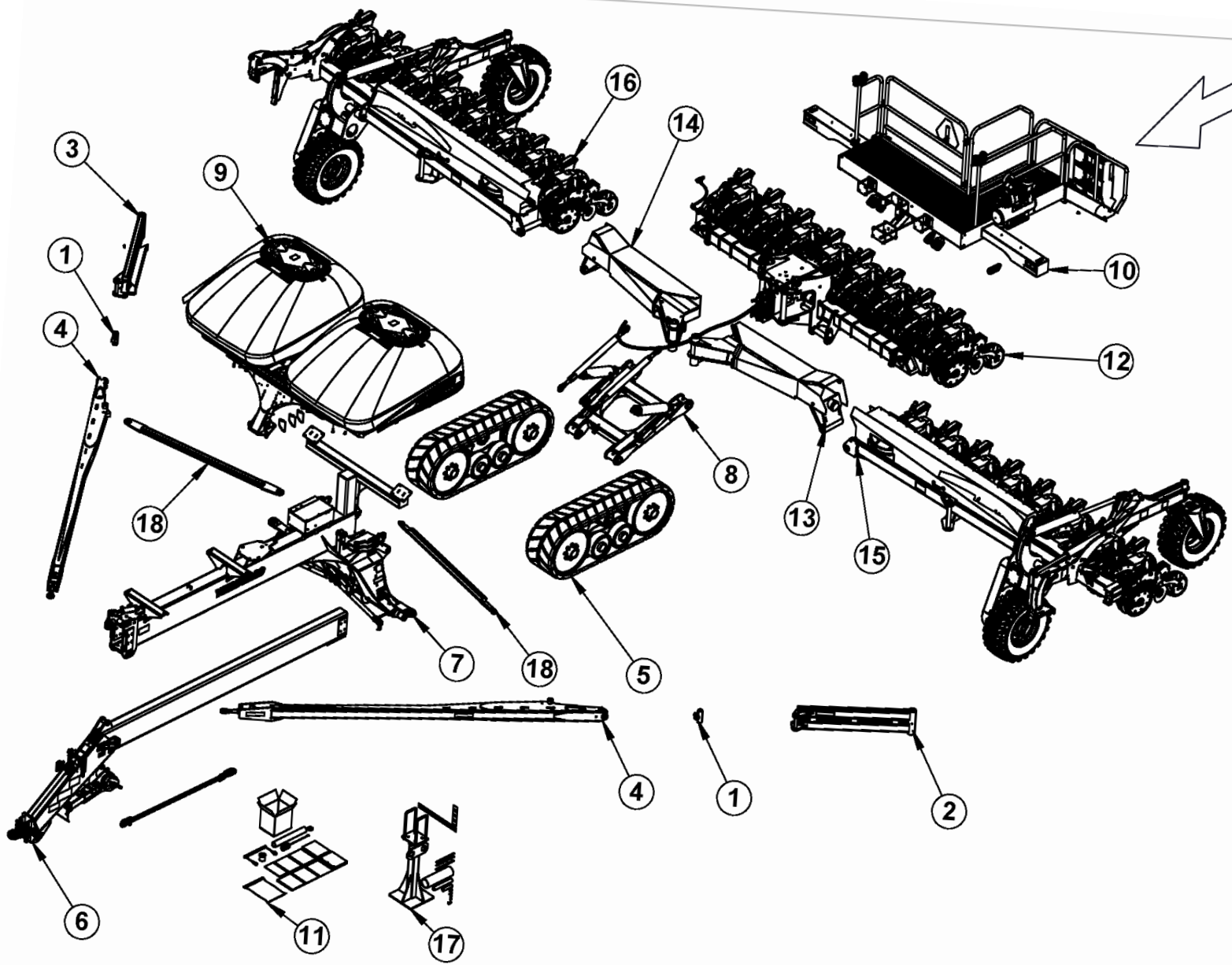


Fig. # 1-2 Model / Serial Number Decal Location On Bulk Fill Assembly

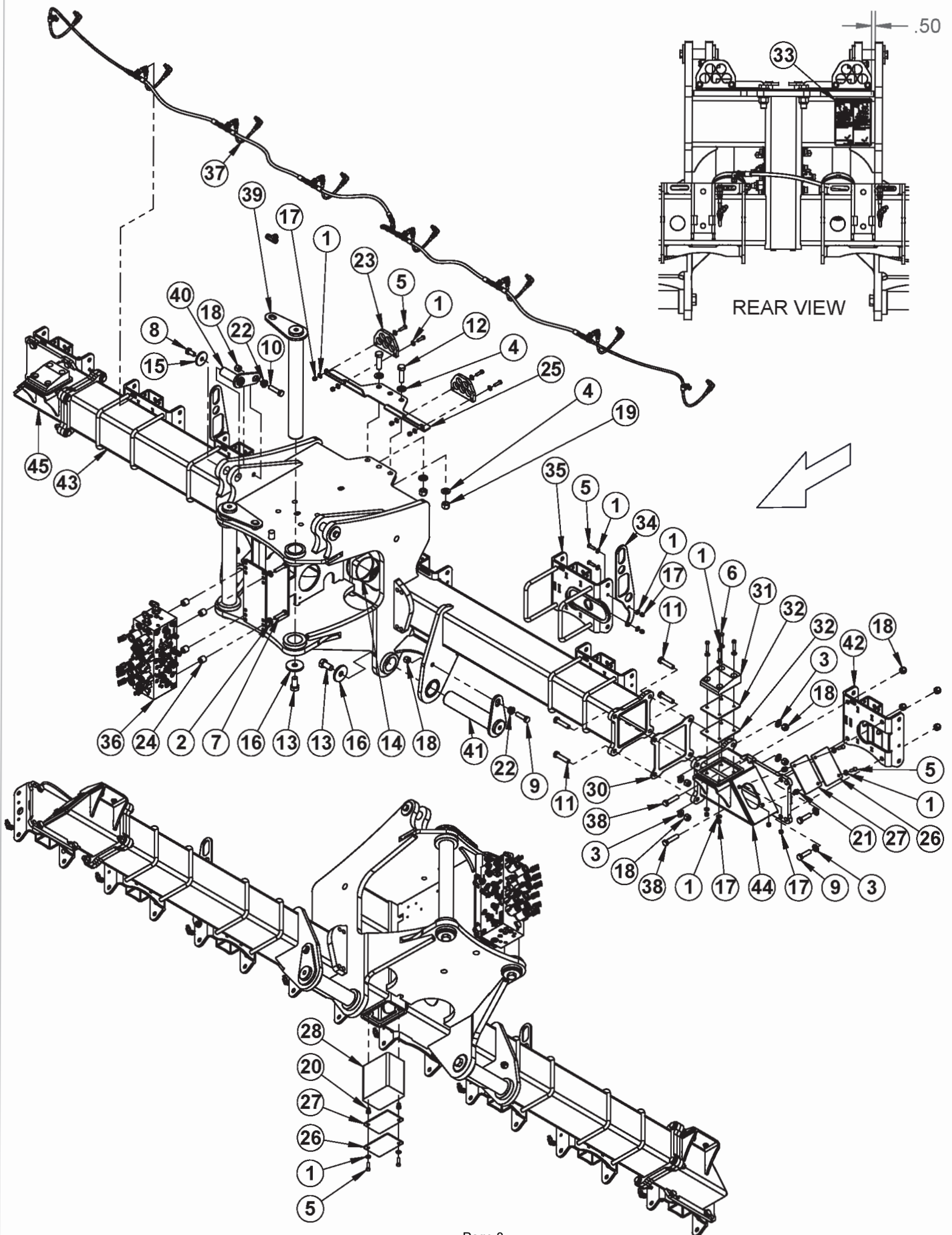


TA02038 Yieldtrac 24R22 2000 Series

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0052223	Tow Bar Knuckle Machined	2	
2	TA01382	Assy, Tow Bar Gate - LH	1	
3	TA01383	Assy, Tow Bar Gate - RH	1	
4	TA01384	Assy, Tow Bar	2	
5	TA01589	Option, Track Width	1	
6	TA01762	Option, 40' Front Hitch	1	
7	TA01876	Option, 40' Track Spacing	1	
8	TA01925	Assy, Main Lift	1	
9	TA01945	Assy, Bulk Fill	1	
10	TA01946	Assy, Ladder Platform	1	
11	TA01949	Operator's Package FF 2000 (All Models)	1	
12	TA02031	Assy, 22" Center Bar	1	
13	TA02046	Assy, 24R22 LH Stub Arm	1	
14	TA02047	Assy, 24R22 RH Stub Arm	1	
15	TA02053	Assy, 24R22 LH Wing	1	
16	TA02054	Assy, 24R22 RH Wing	1	
17	TA02083	Assy, Bulk Material 24R22 FF 2000	1	
18	TW001398	Wdmt, Control Link	2	

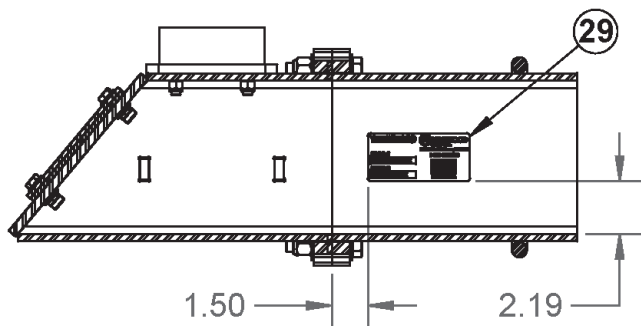
Note:

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.

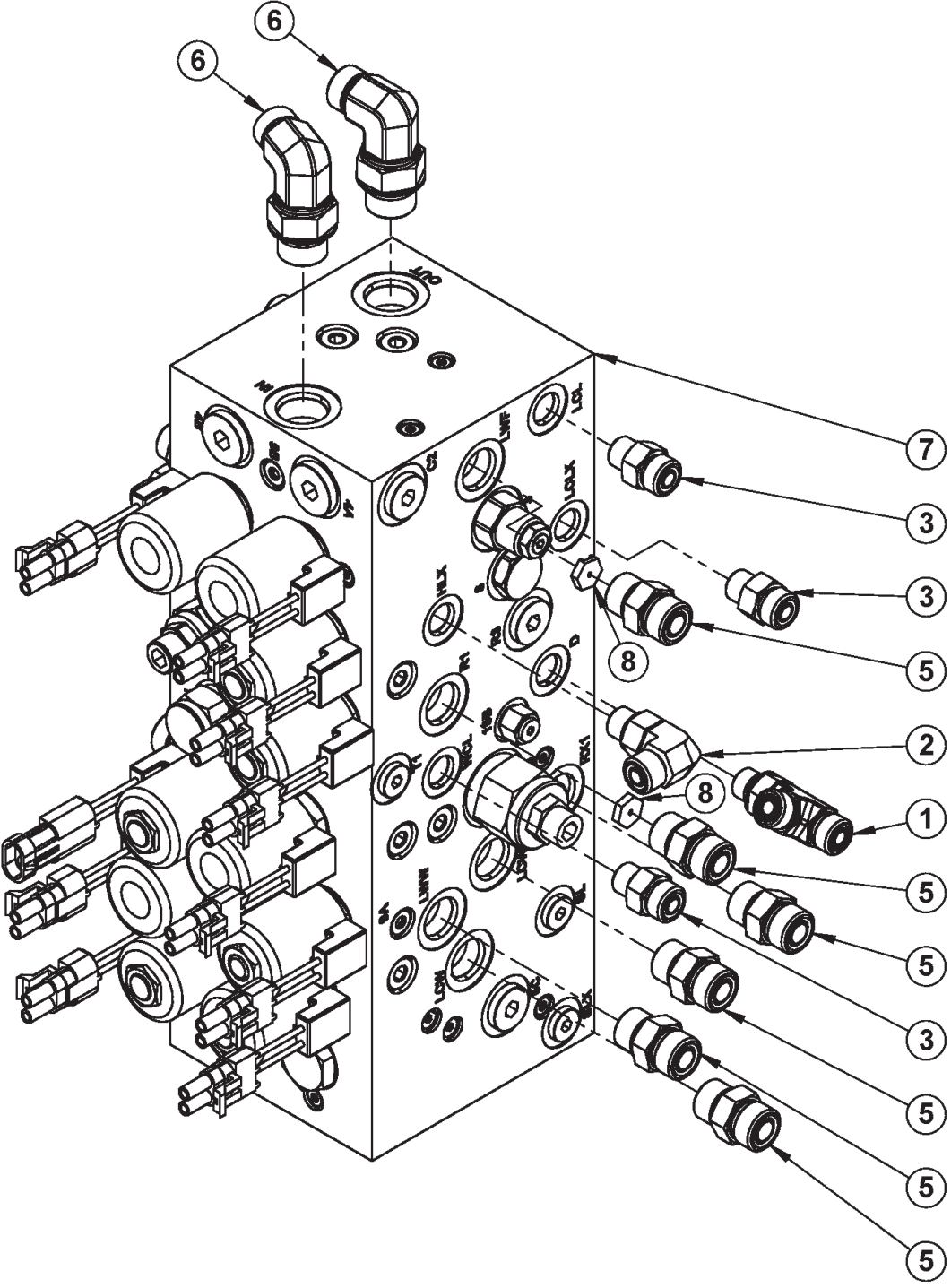


TA02032 Assy, 22" Center Bar Base

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	34	
2	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	20	
4	FW-SAE-0.750Y	Washer, Flat SAE 3/4 YZ	4	
5	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	14	
6	HB-0.375-16X1.75Y8	Bolt, Hex Hd 3/8-16x1-3/4 YZ8	8	
7	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	4	
8	HB-0.625-11X1.25Y8	Bolt, Hex Hd 5/8-11x1-1/4 YZ8	2	
9	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	6	
10	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	2	
11	HB-0.625-11X2.75Y8	Bolt, Hex Hd 5/8-11x2-3/4 YZ8	8	
12	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4 YZ8	2	
13	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	4	
14	HCLMP-SAE-512SS	Hose Clamp, SAE #512 SS	2	
15	HDWSH-0.64X2.50Y	HD Washer, 41/64x2-1/2 YZ	2	
16	HDWSH-0.89X3.00Y	HD Washer, 57/64x3 YZ	4	
17	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	16	
18	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	20	
19	NLNUT-0.750-10Y8	Nylon Lock Nut, 3/4-10 YZ8	2	
20	RN-0.375-16-.15-.31Y	Rivet Nut, 3/8-16x0.150-0.312 YZ	2	
21	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	4	
22	T0050854	Anti Rotation Insert	4	
23	T0052450	Guide, Hose Seed Tube Cen Fr	2	
24	T0052525	Spacer, L&F Valve	4	
25	T0054208	Brkt, Seed Hose Mtg	1	
26	T0054651	Clean Out Cover	3	
27	T0054652	Seal, Clean Out Cover	3	
28	T0054653	Foam Block	1	
29	T0055737	Decal, S/N Yieldtrac (Generic)	1	
30	T0056079	Seal, Centerbar End	2	
31	T0056151	Block, Slider	2	
32	T0056152	Shim, Slider	4	
33	T0056182	Decal, Warning Row Unit Lift Lock	1	
34	T0056223	Plate, Seed Tube Routing	2	
35	TA01990	Assy, RU Bolt-On Head Bracket	4	
36	TA02095	Assy, Lift & Fold Valve (Single Wheel)	1	
37	TA02100	Assy, 24R22 Center RU Lift Hose Routing	1	
38	TB-0.625-11X2.75Y8	Bolt, Hex Hd 5/8-11x2-3/4 YZ8	4	
39	TW001008	Pin Weldment	2	
40	TW001009	Pin Weldment	2	
41	TW001012	Pin Weldment	2	
42	TW001475	Wldmt, RU Bolt-On Head Bracket	2	
43	TW001481	Wldmt, 22" Center Bar	1	
44	TW001484	Wldmt, LH CB End	1	
45	TW001485	Wldmt, RH CB End	1	



Secondary Serial Number
Decal Installation

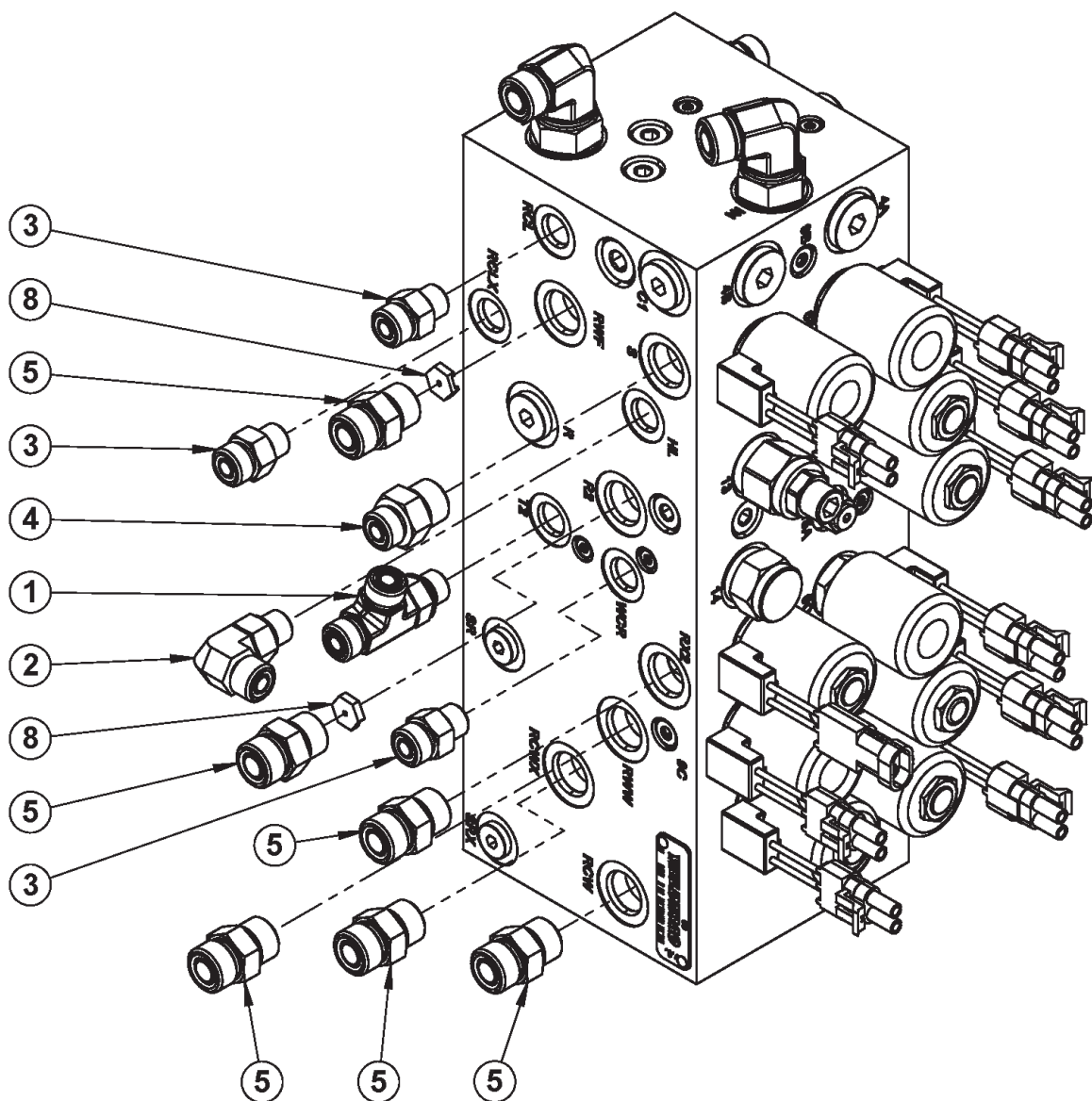


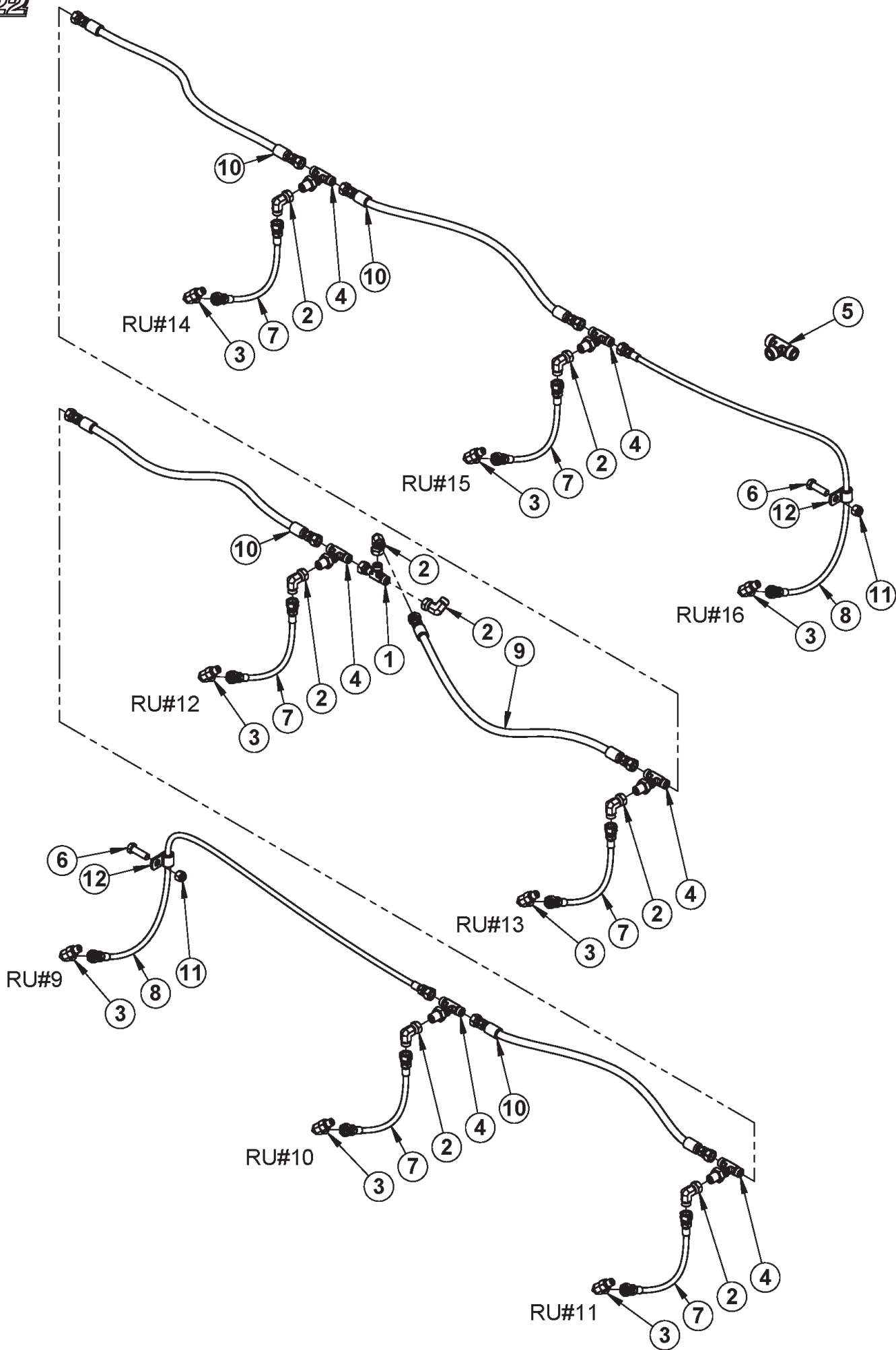
TA02095 Assy, Lift & Fold Valve (Single Wheel)

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-06MFS-06MB-06MFS	AD-06MFS-06MB-06MFS	2	
2	AD-06MFS-06MB-90	AD-06MFS-06MB-90	2	
3	AD-06MFS-06MB	AD-06MFS-06MB	6	
4	AD-06MFS-08MB	AD-06MFS-08MB	1	
5	AD-08MFS-08MB	AD-08MFS-08MB	12	
6	AD-08MFS-10MB-90	AD-08MFS-10MB-90	2	
7	T0055983	Manifold Assy, Lift & Fold	1	
8	T0052365	Orifice Disc #8-.089"	4	

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.



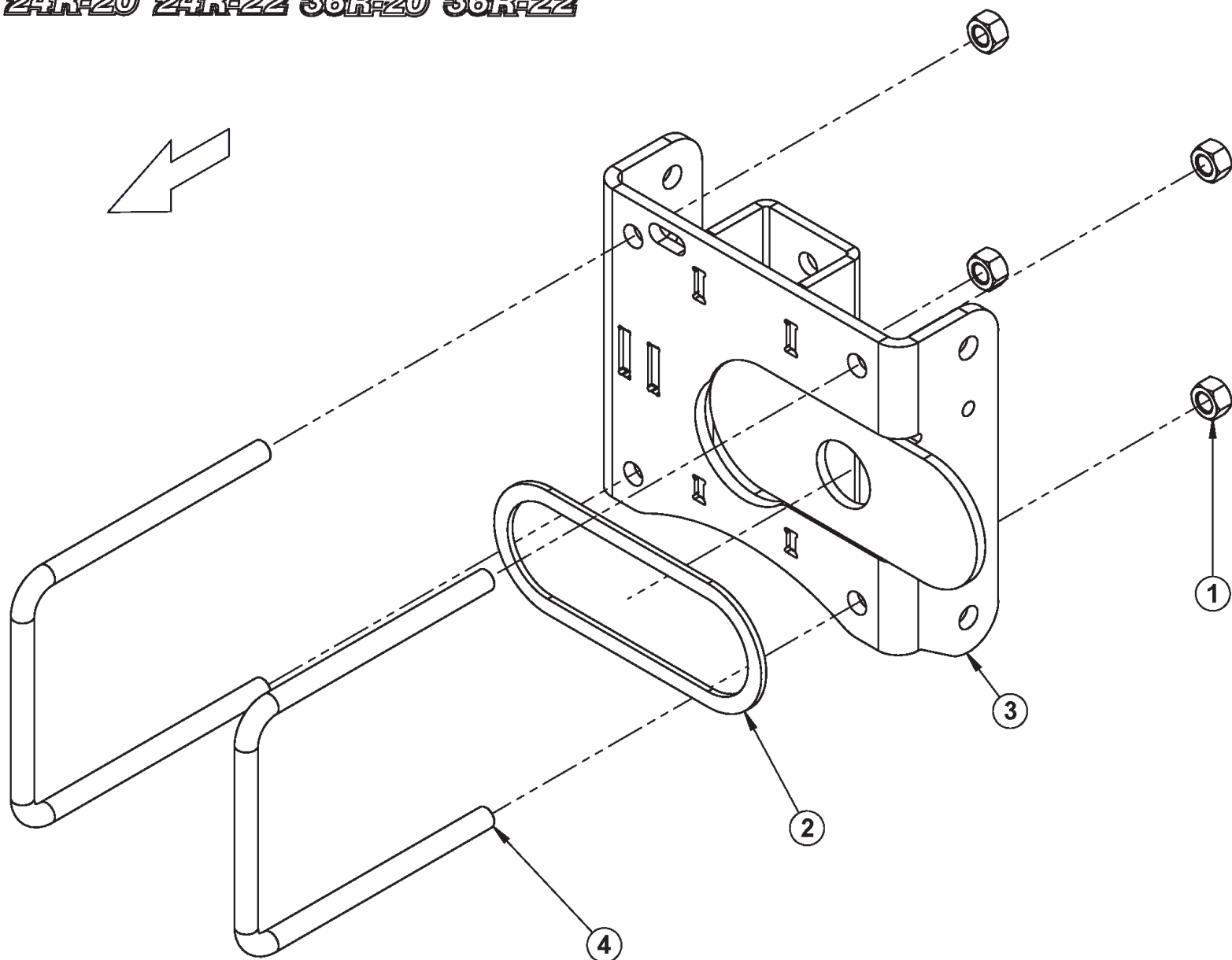


TA02100 Assy, 24R22 Center RU Lift Hose Routing

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-04MFS-04FST-04MFS	Adapter, 04MFS-04FST-04MFS Tee	1	
2	AD-04MFS-04FST-90	Adapter, 04MFS-04FST 90	8	
3	AD-04MFS-04MB-90	Adapter, 04MFS-04MB 90	8	
4	AD-04MFS-04MFS-04MFS-BH	Adapter, 04MFS-04MFS-04MFS BH Tee	6	
5	AD-08MFS-08MFS-08MFS	Adapter, 08MFS-08MFS-08MFS Tee	1	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	2	
7	HS02-009-04FS-04FS	Hose 0.125-009-04FS-04FS	6	
8	HS02-034-04FS-04FS	Hose 0.125-034-04FS-04FS	2	
9	HS04-022-04FS-04FS-A	Hose 0.250-022-04FS-04FS-A	1	
10	HS04-021-04FS-04FS-A	Hose 0.250-021-04FS-04FS-A	4	
11	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	2	
12	PCLMP-0.500x.406	Clamp, Tube 1/2x13/32	2	

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.

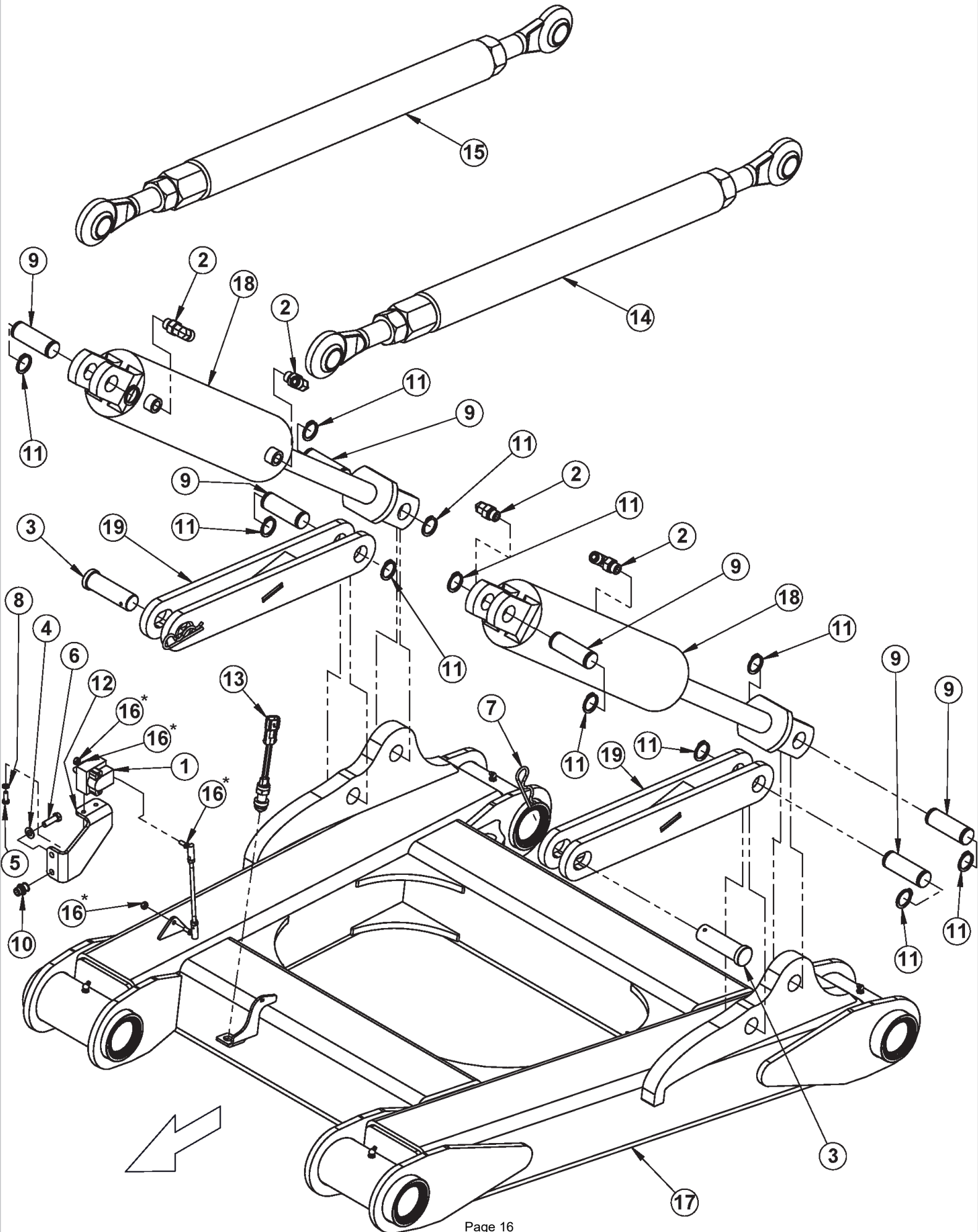


TA01990 Assy, RU Bolt-On Head Bracket

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HNUT-0.625-11Y8	Nut, Hex 5/8-11 YZ8	4	
2	T0055974	Seal, Row Unit Bolt-On Brkt	1	
3	TW001476	Wdmt, RU Bolt-On Head Bracket W/Seal	1	
4	UB-0.63X7.0X7.0-SY8	UBolt 0.625x7x7-YZ	2	

Note:

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2. * Items marked with an asterisk are items that are included in that particular part or assembly.

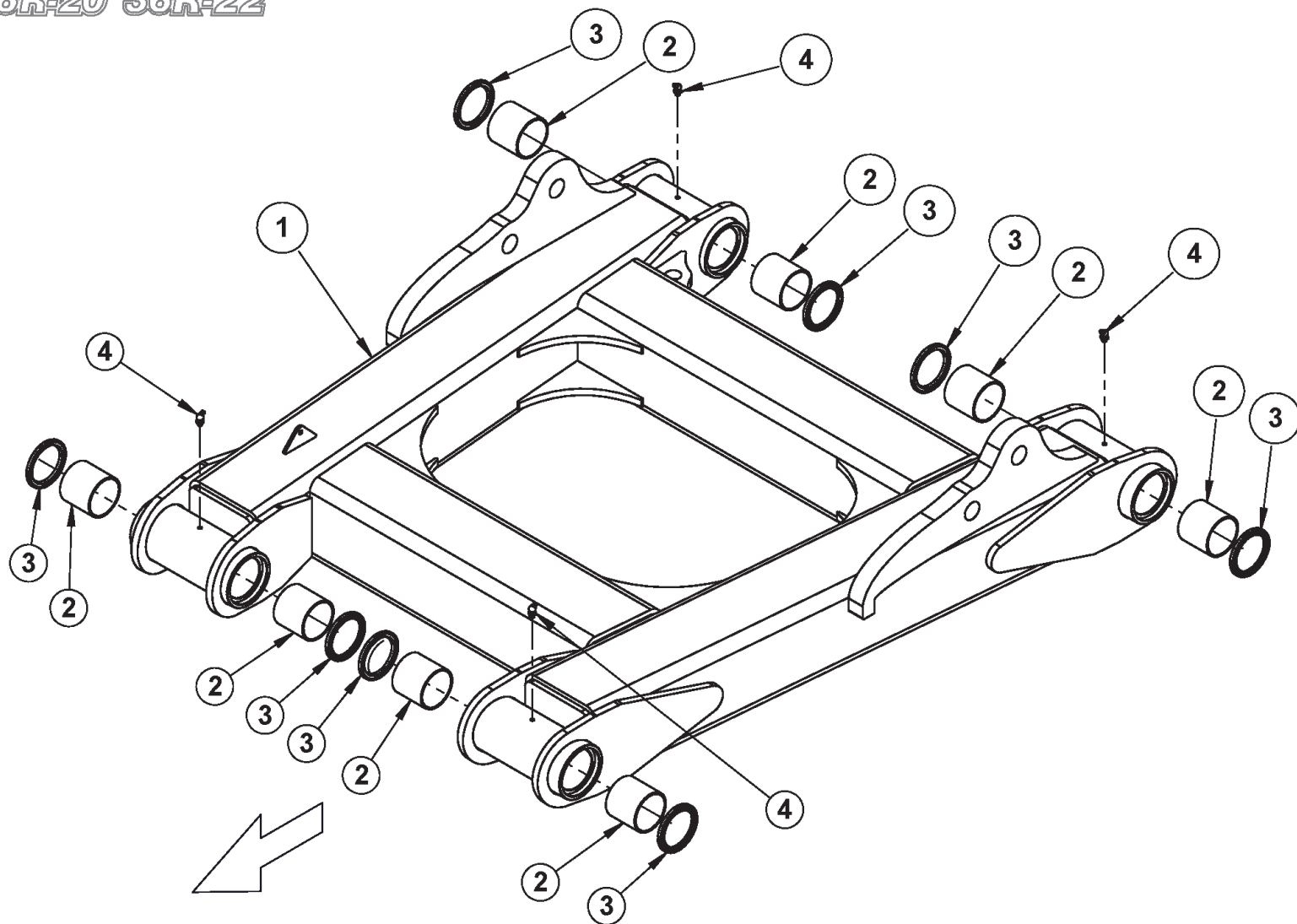


TA01925 Assy, Main Lift

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	404202A1	Sensor Rotary Position	1	
2	AD-08MFS-08MB-90	AD-08MFS-08MB-90	4	
3	CLPIN-1.250X4.00Y	Clevis Pin, Ø1.25" X 4" YZ	2	
4	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
5	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	2	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	2	
7	HPINCLIP-1.250Y	Hair Pin Clip-Ø1.2500" YZ	2	
8	LW-0.250Y	Washer, Split Lock 1/4" YZ	2	
9	PIN-1.250X3.25Y	Pin-1.2500x3.250-YZ	6	
10	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	2	
11	SRING-EXT-HD-1.25Y	SRING-EXT-HD-1.25Y	12	
12	T0053846	Bracket, Height Sensor	1	
13	T0055680	Plunger Switch	1	
14	TA00613	Upper Link Assy	1	
15	TA00613	Upper Link Assy	1	
16	TA00630	Assy, Position Sensor Link	1	
17	TA01214	Assy, Main Lift	1	
18	TA01234	Cylinder, Hyd 4.5X14.00 Reph	2	
19	TW001171	Wldmt, Cylinder Stop Link	2	

Note:

1. * Items marked with an asterisk are items that are included in that particular part or assembly.

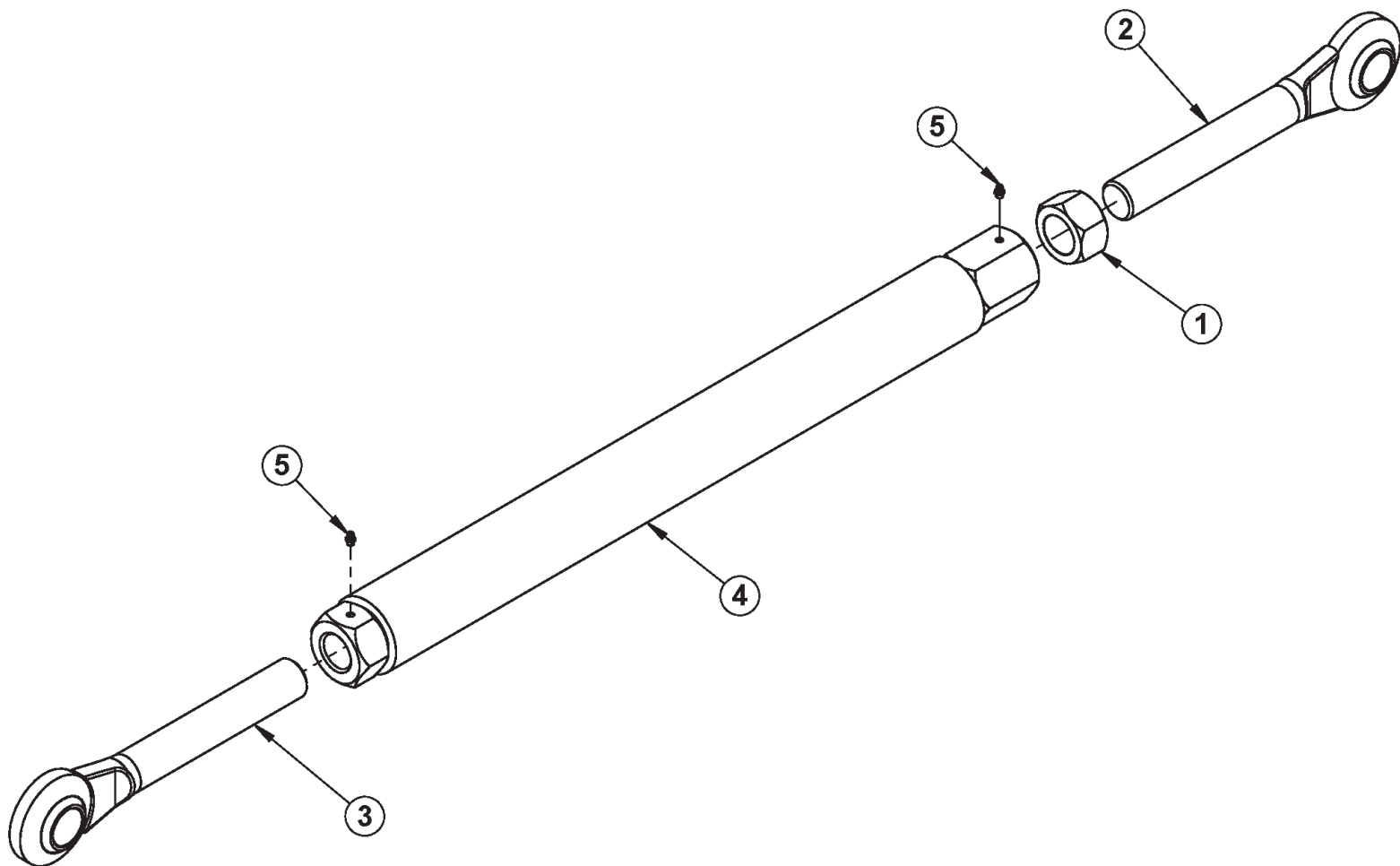


TA01214 Assy, Main Lift

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001130	Wldmt, Main Lift	1	
2	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	8	
3	T0051584	2.50 Grease Seal	8	
4	ZERK-0.250-28X45	Zerk-1/4-28x45Deg	4	

Note:

1. T=XXX = Torque, and is expressed in ft-lbs.

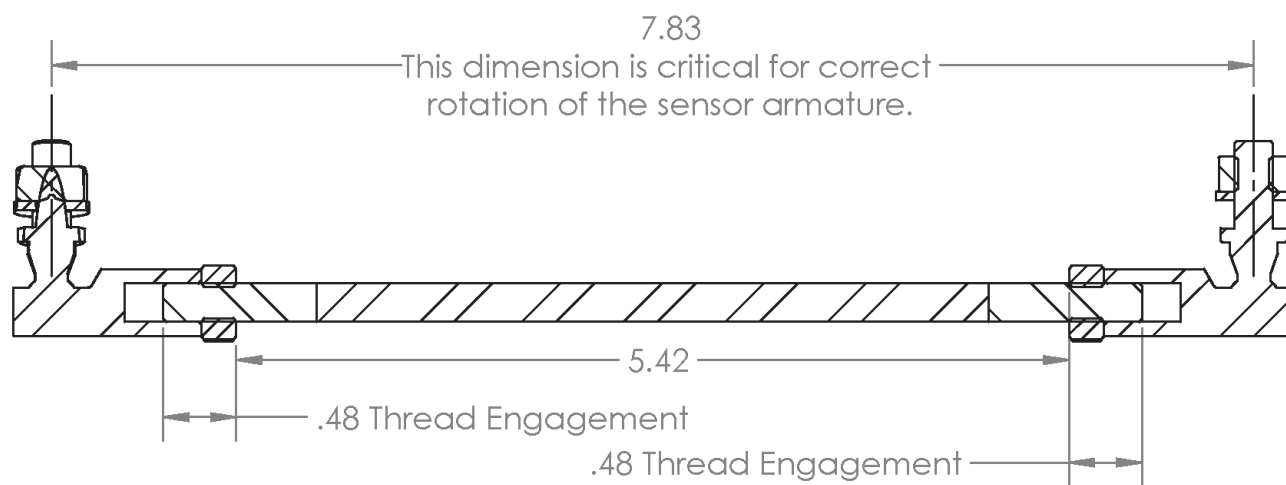
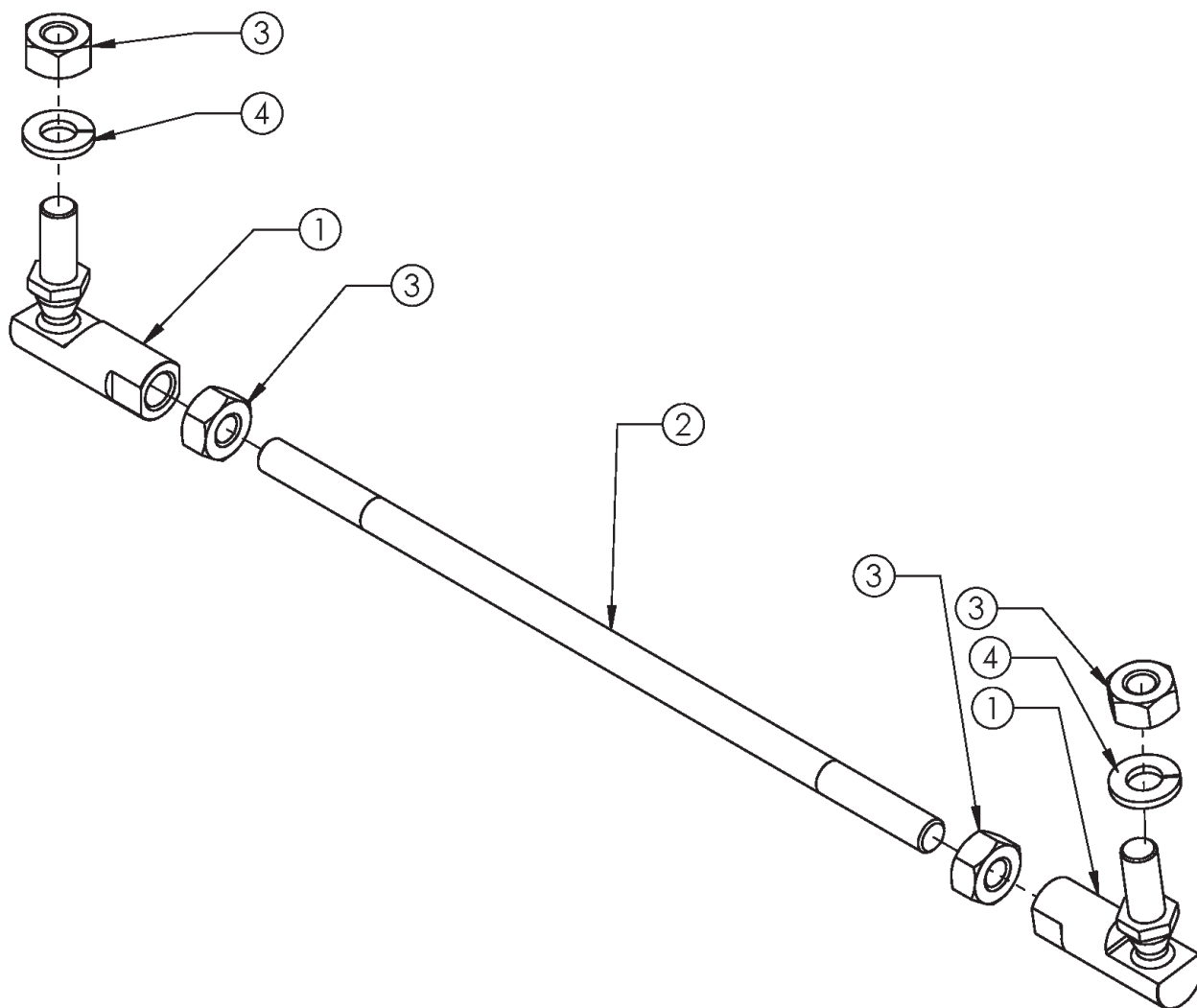


Thread lengths must be equal



TA00613 Upper Link Assy

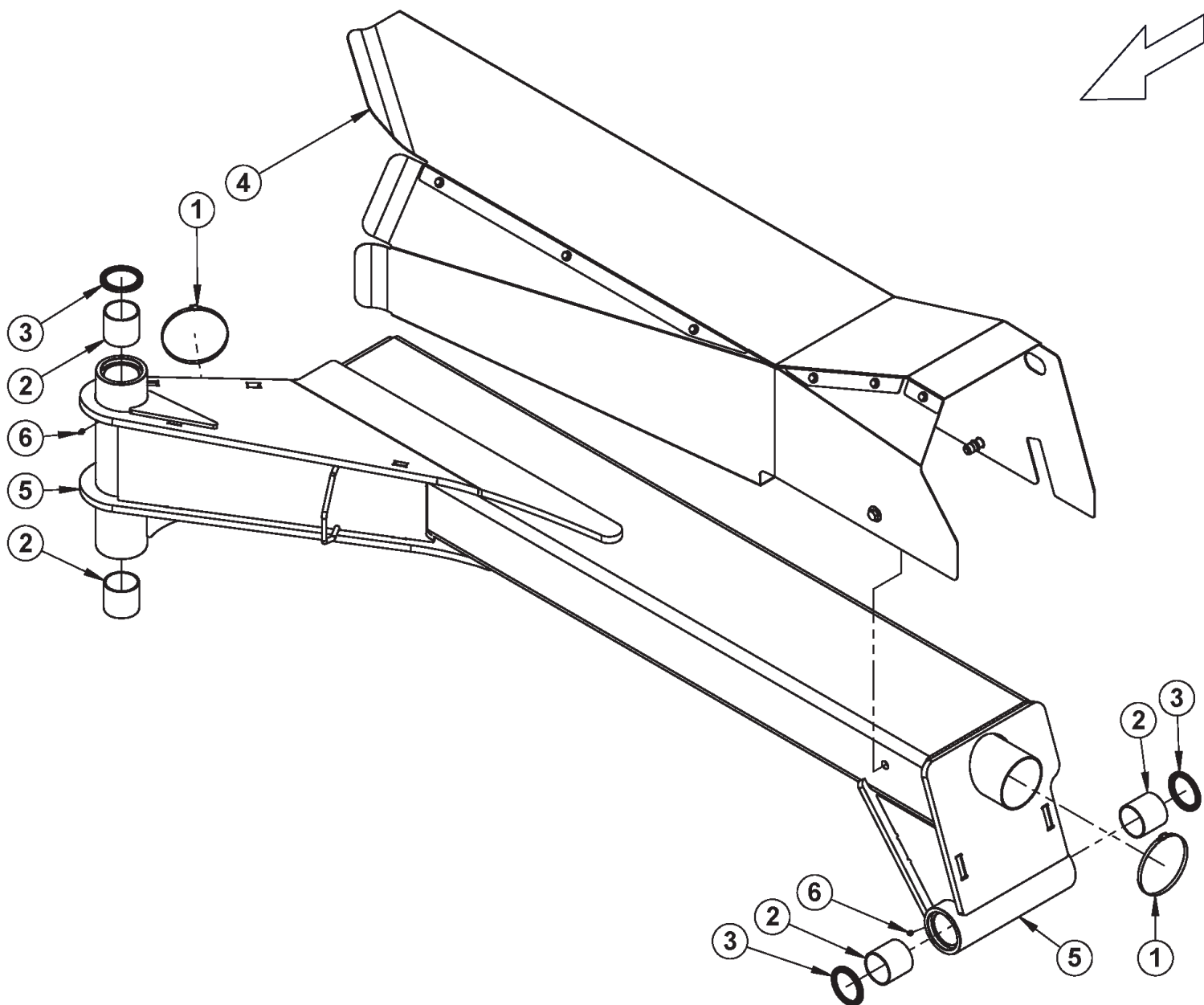
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HNUT-1.500-6Y8	Nut, Hex 1-1/2-6 YZ8	1	
2	T0051213	RH End Link	1	
3	T0051214	LH End Link	1	
4	TW000618	Upper Link Weldment	1	
5	ZERK-0.250-28	Zerk, 1/4-28	2	



SECTION A-A
SCALE 1 : 1.25

TA00630 Assy, Position Sensor Link

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	BJ-0.250-28X90Y	BJoint-0.2500-28x90-YZ	2	
2	BJROD-0.250-28X6.38Y	BJoint-Rod 1/4-28x6-3/8-YZ	1	
3	HNUT-0.250-28Y8	Nut, Hex 1/4-28 YZ8	4	
4	LW-0.250Y	Washer, Split Lock 1/4" YZ	2	

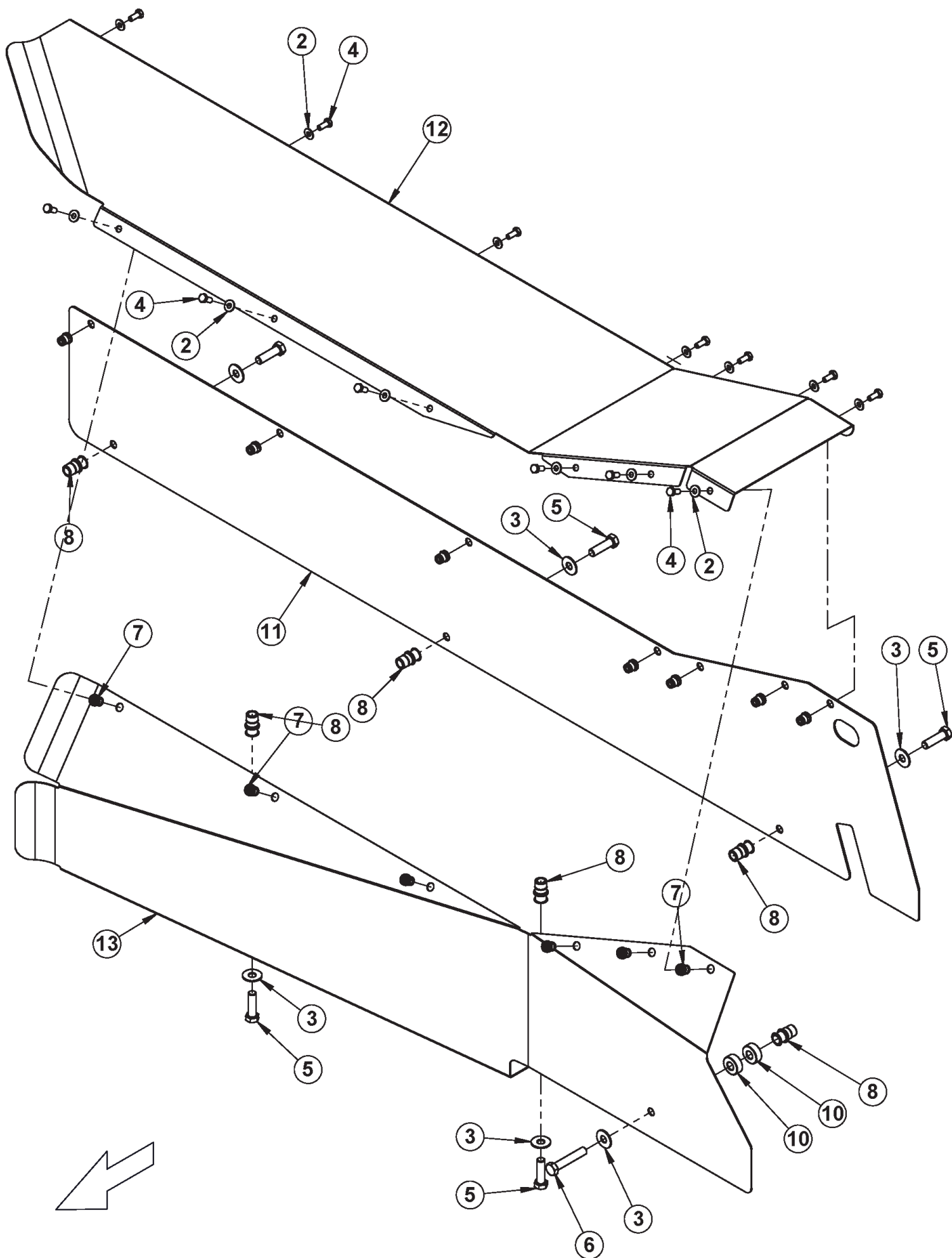


TA02046 Assy, 24R22 LH Stub Arm

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HCLMP-SAE-512SS	Hose Clamp, SAE #512 SS	2	
2	PB-2.500X2.75X2.50	Bushing, Composite 2-1/2x2-3/4x2-1/2	4	
3	T0051584	2.50 Grease Seal	3	
4	TA02104	Assy, 24R22 LH SA Shield	1	
5	TW001418	Wdmt, 24R22 LH Stub Arm	1	
6	ZERK-0.250-28	Zerk, 1/4-28	2	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified).
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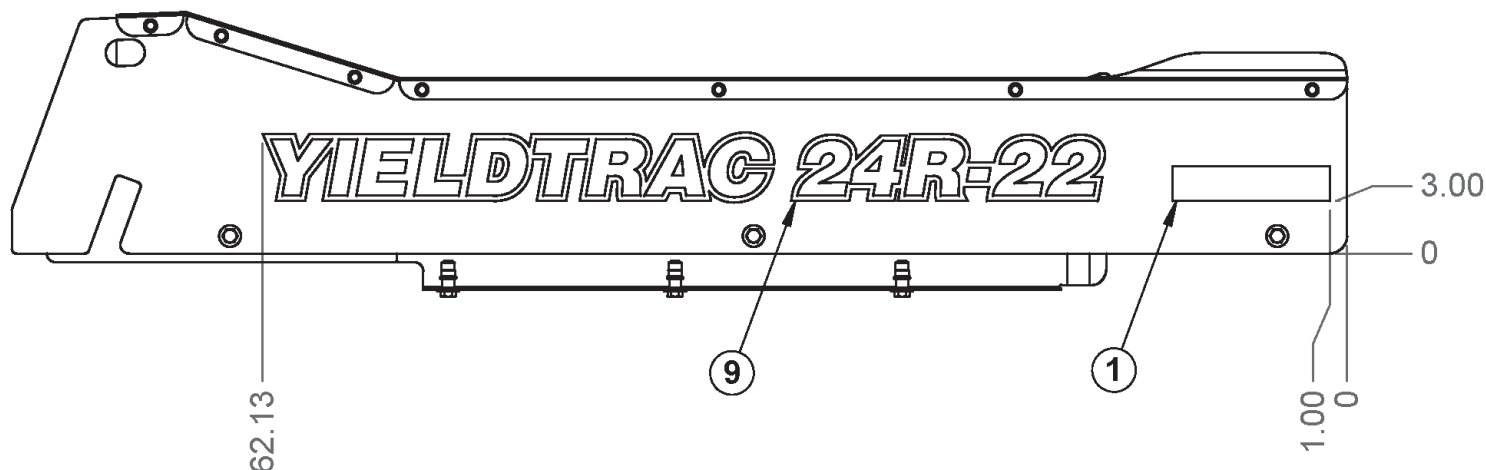


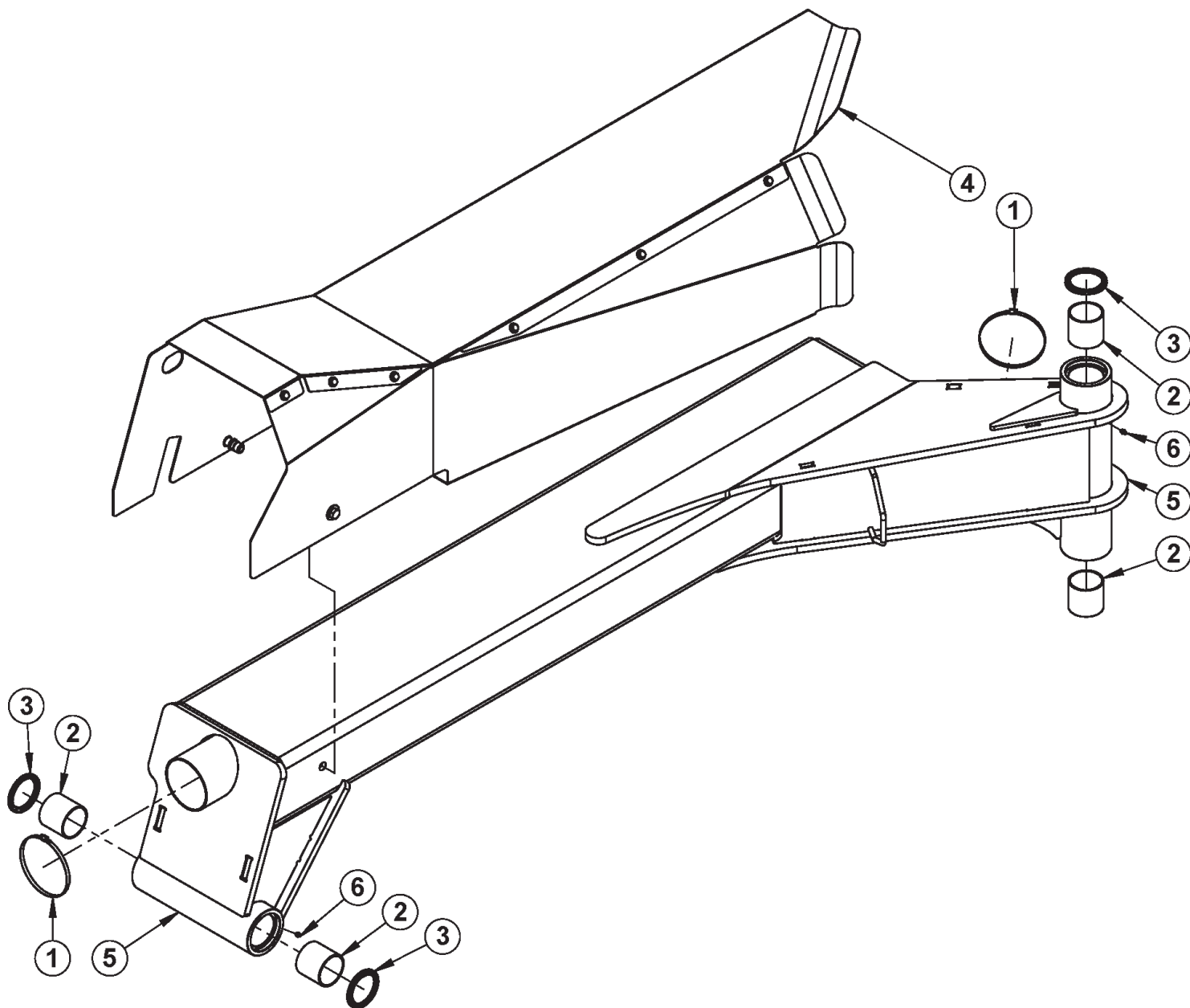
TA02104 Assy, 24R22 LH SA Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	1	
2	FW-USS-0.250Y	Washer, Flat USS 1/4 YZ	13	
3	FW-USS-0.438Y	Washer, Flat USS 7/16 YZ	7	
4	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4 YZ8	13	
5	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	6	
6	HB-0.500-13X2.75Y8	Bolt, Hex Hd 1/2-13x2-3/4 YZ8	1	
7	RN-0.313-18-.03-.15Y	Rivet Nut, 5/16-18x0.027-0.150 YZ	13	
8	RN-0.500-13-.35-.50Y	Rivnut, 1/2-13 .350-.500 GR	7	
9	T0051453	Decal, Yldtrac 24R-22-3.8x48.2	1	
10	T0052276	Spacer	2	
11	T0056215	Panel, 24R22 Stub Arm Back	1	
12	T0056216	Cover, 24R22 LH SA Shield	1	
13	T0056217	Shield, 24R22 LH SA Front	1	

Note:

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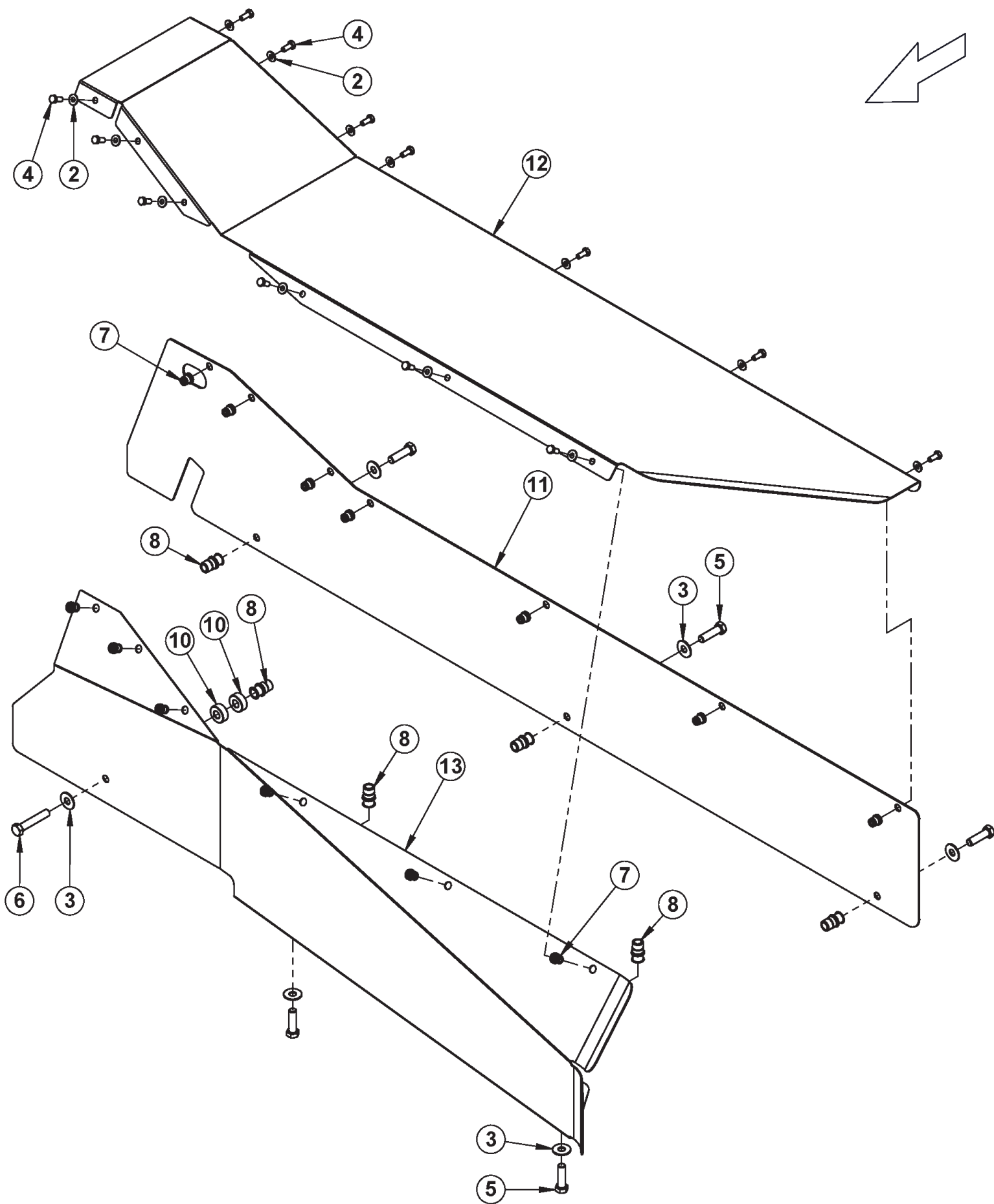


TA02047 Assy, 24R22 RH Stub Arm

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-512SS	Hose Clamp, SAE #512 SS	2	
2	PB-2.500X2.75X2.50	Bushing, Composite 2-1/2x2-3/4x2-1/2	4	
3	T0051584	2.50 Grease Seal	3	
4	TA02105	Assy, 24R22 RH SA Shield	1	
5	TW001419	Wldmt, 24R22 RH Stub Arm	1	
6	ZERK-0.250-28	Zerk, 1/4-28	2	

Note:

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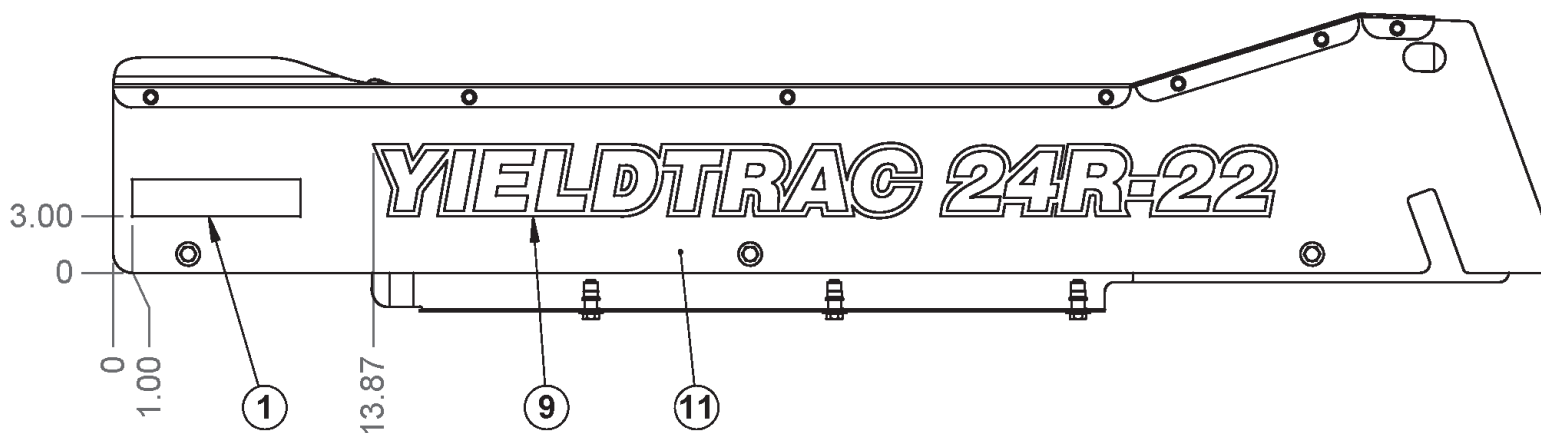


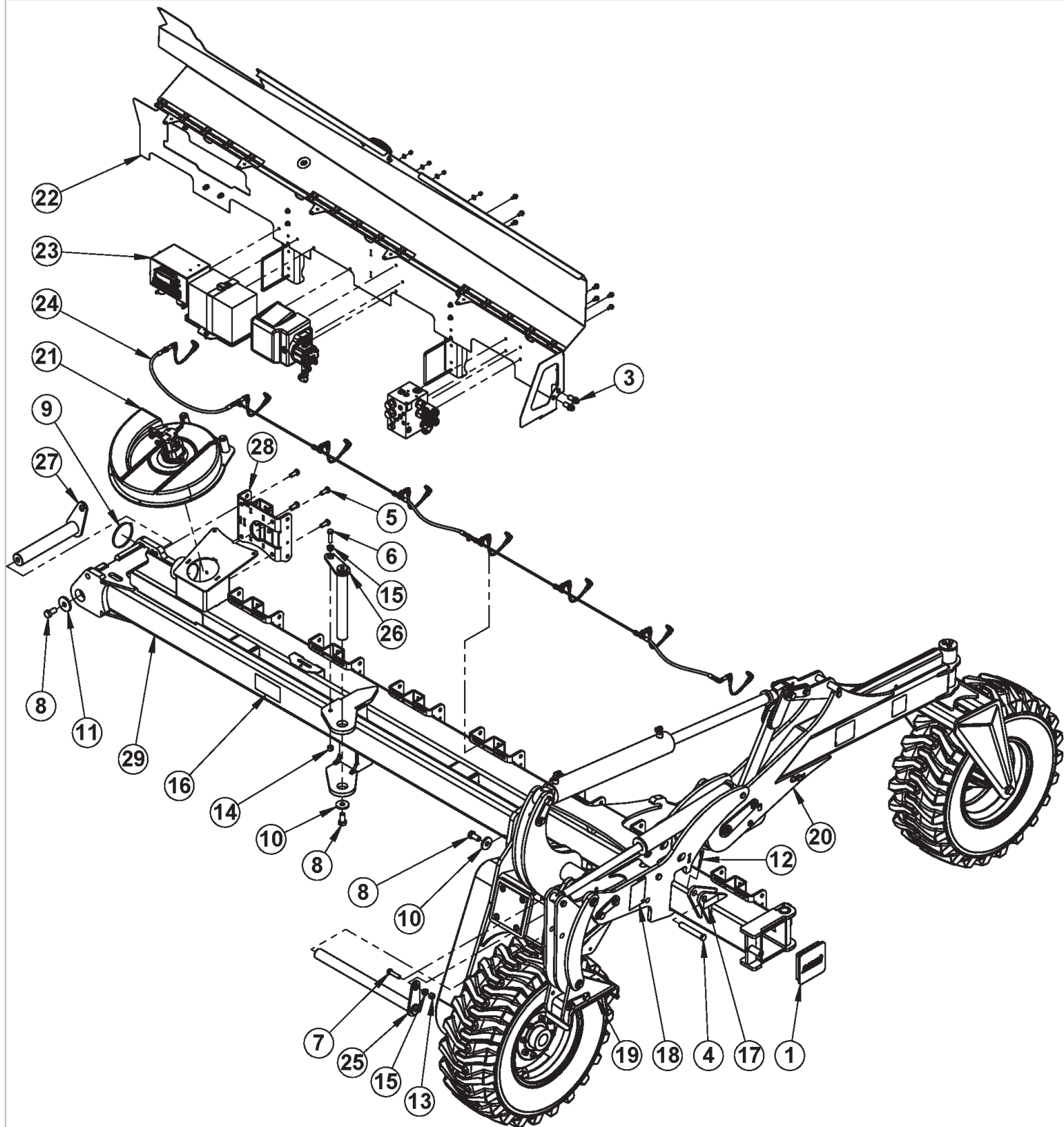
TA02105 Assy, 24R22 RH SA Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	1	
2	FW-USS-0.250Y	Washer, Flat USS 1/4 YZ	13	
3	FW-USS-0.438Y	Washer, Flat USS 7/16 YZ	7	
4	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4 YZ8	13	
5	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	6	
6	HB-0.500-13X2.75Y8	Bolt, Hex Hd 1/2-13x2-3/4 YZ8	1	
7	RN-0.313-18-.03-.15Y	Rivet Nut, 5/16-18x0.027-0.150 YZ	13	
8	RN-0.500-13-.35-.50Y	Rivnut, 1/2-13 .350-.500 GR	7	
9	T0051453	Decal, Yldtrac 24R-22-3.8x48.2	1	
10	T0052276	Spacer	2	
11	T0056215	Panel, 24R22 Stub Arm Back	1	
12	T0056218	Cover, 24R22 RH SA Shield	1	
13	T0056219	Shield, 24R22 RH SA Front	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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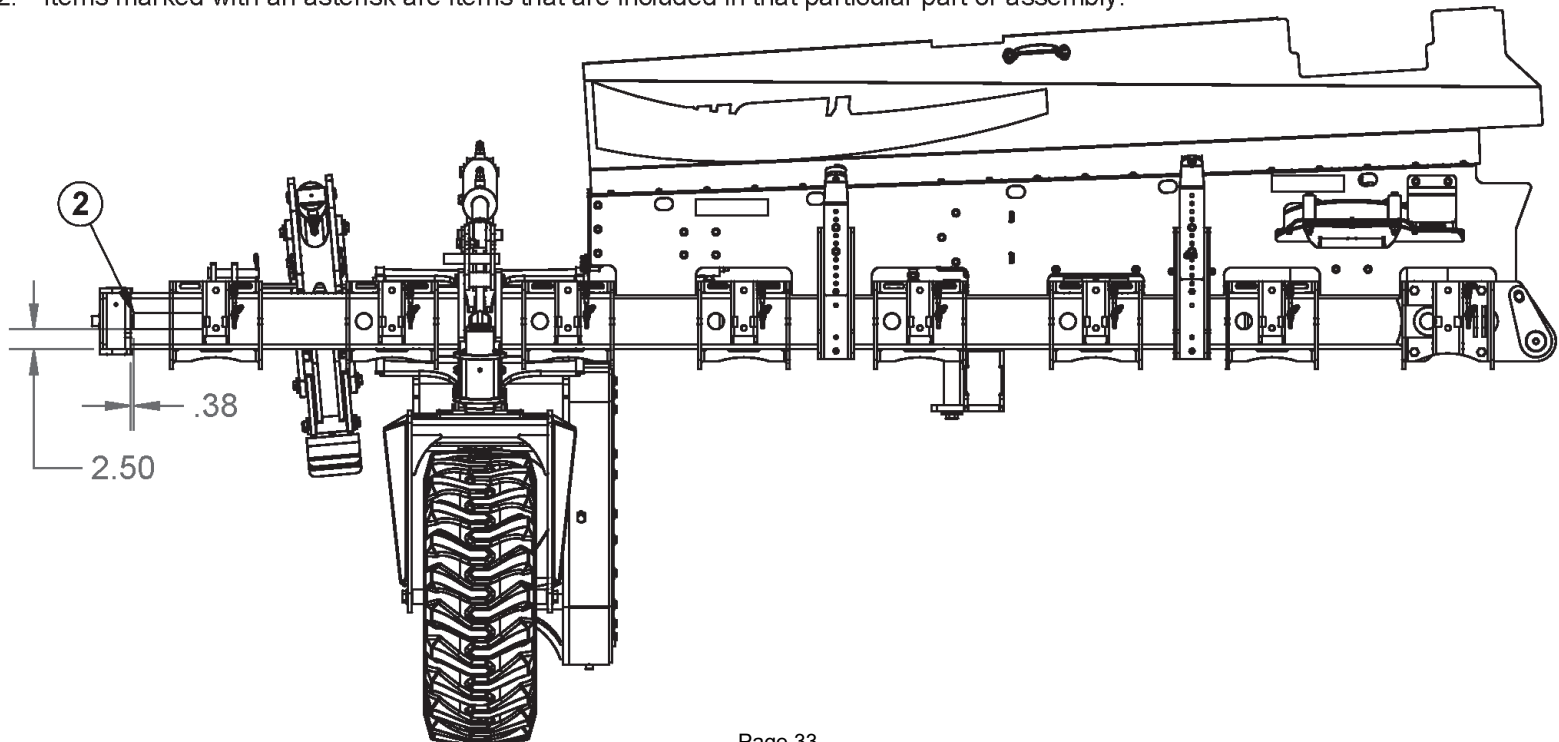


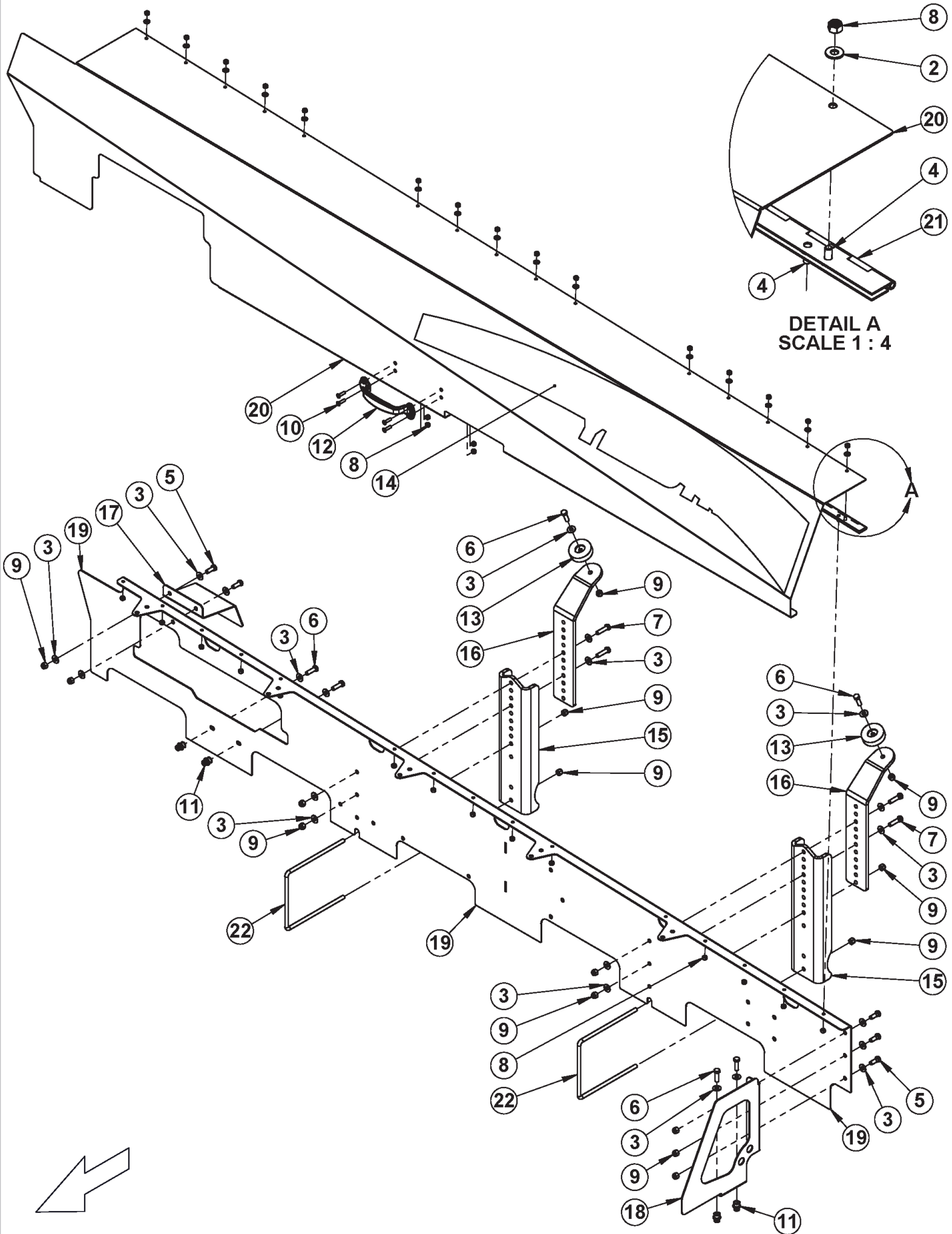
TA02055 Assy, 24R22 LH Wing Base

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	73368118	Cap, Case IH 7x7 Tube	1	
2	90-44-0410	Decal, Reflector, Yellow-2x9	2	
3	AD-08MFS-08MFS-BH	Adapter, 08MFS-08MFS BH	2	
4	CLPIN-1.000X6.00Y	Clevis Pin, 1x6 YZ	1	
5	HB-0.625-11X1.50Y8	Bolt, Hex Hd 5/8-11x1-1/2 YZ8	4	
6	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
7	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	1	
8	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	3	
9	HCLMP-SAE-512SS	Hose Clamp, SAE #512 SS	1	
10	HDWSH-0.89X2.50Y	HD Washer, 5/764x2-1/2 YZ	2	
11	HDWSH-0.89X3.00Y	HD Washer, 5/764x3 YZ	1	
12	HPINCLIP-1.000Y	Hair Pin Clip, 1 YZ	1	
13	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	1	
14	NLNUT-0.625-18Y8	Nylon Lock Nut, 5/8-18 YZ8	1	
15	T0050854	Anti Rotation Insert	2	
16	T0051588	Decal, Warning - Crush Hazard	1	
17	T0052826	Decal, Notice Trans Lock	1	
18	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
19	TA01753	Assy, LH Wing Lift	1	
20	TA01904	Assy, 20"/22"/30" Single Wing Wheel	1	
21	TA02023	Assy, Vacuum Fan LH Wing	1	
22	TA02059	Assy, 24R22 LH Wing Shield	1	
23	TA02075	Assy, 24R22 LH Wing PP	1	
24	TA02101	Assy, 24R22 LH RU Lift Hose Routing	1	
25	TW000717	Pin Weldment	1	
26	TW000794	Pin Weldment	1	
27	TW001380	Pin Weldment	1	
28	TW001475	Wdmt, RU Bolt-On Head Bracket	1	
29	TW001482	Wdmt, 24R22 LH Wing	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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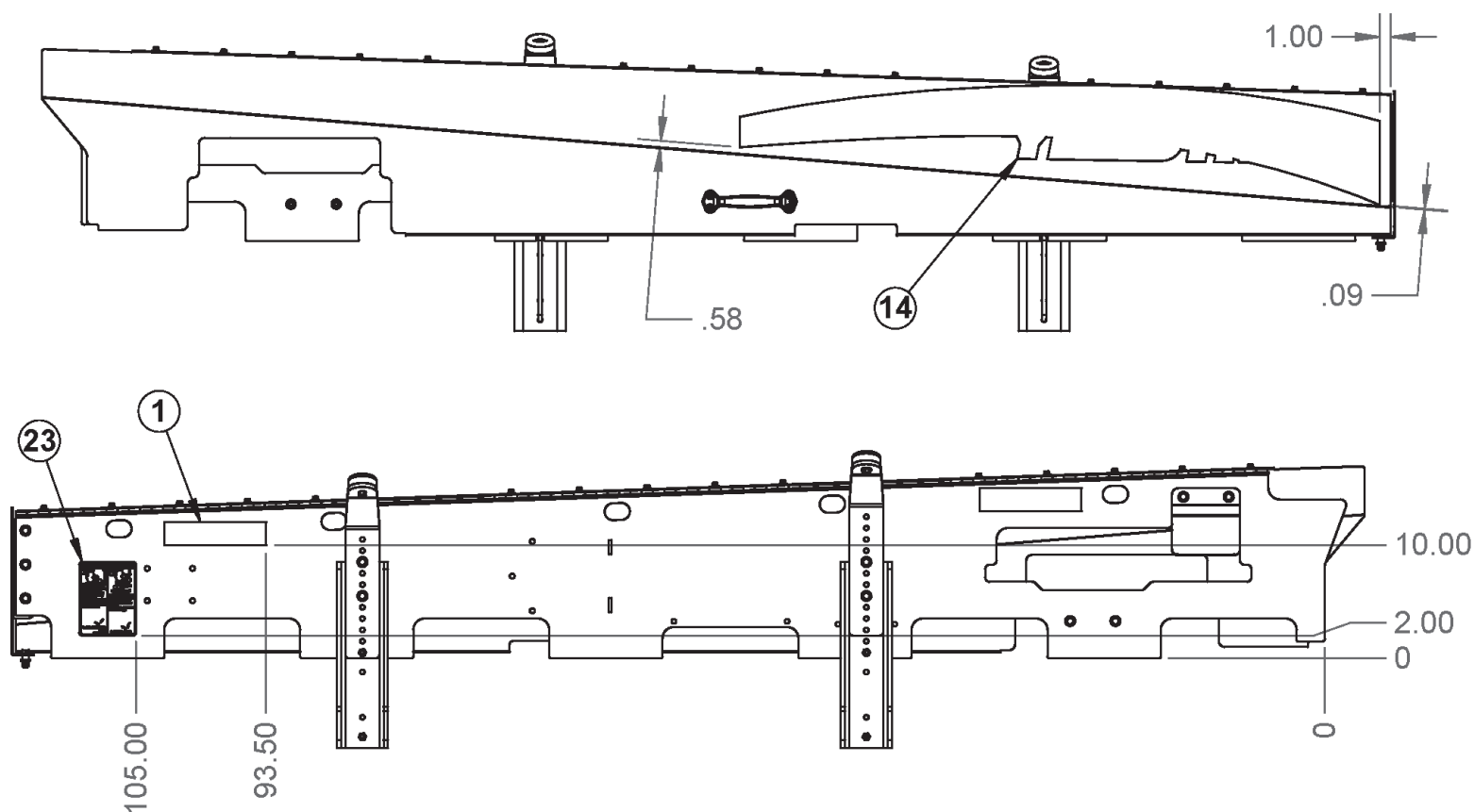


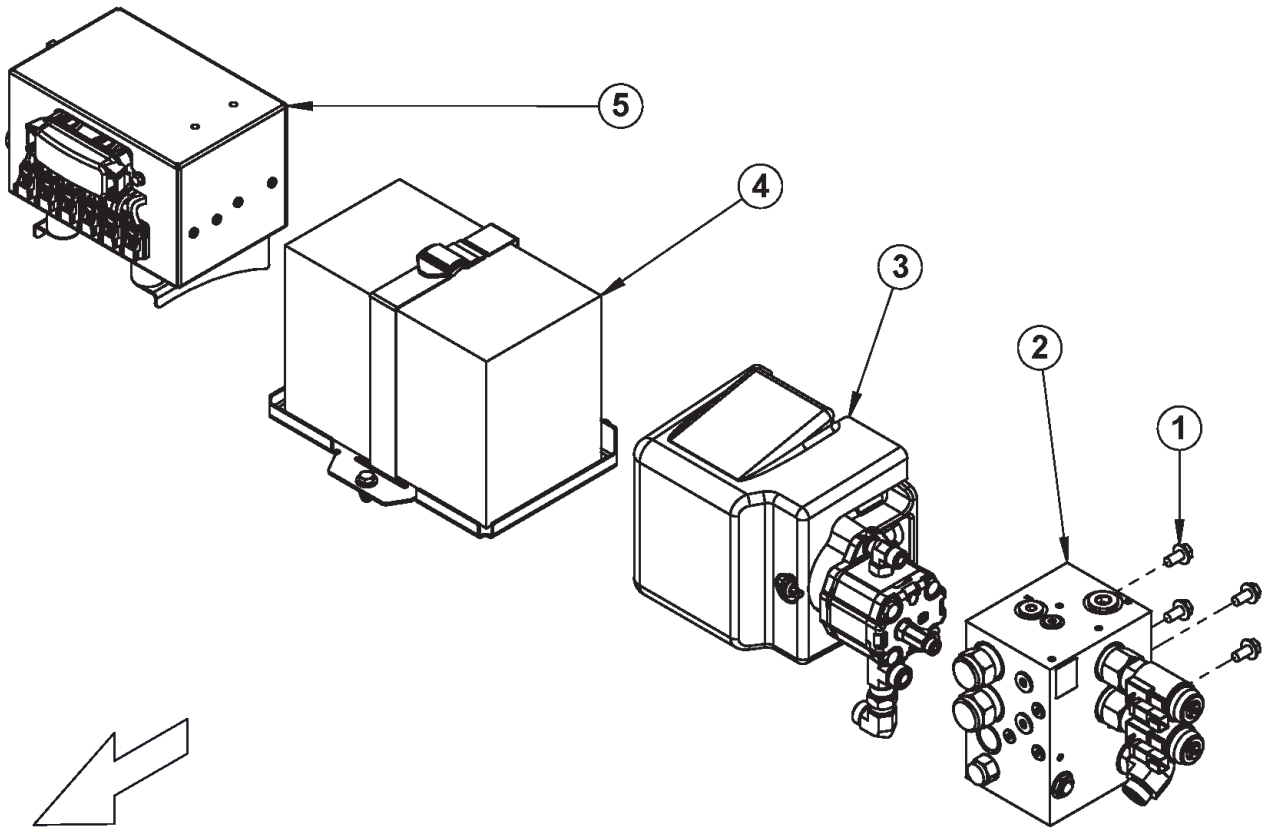
TA02059 Assy, 24R22 LH Wing Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	2	
2	FW-SAE-0.250Y	Washer, Flat SAE 1/4 YZ	15	
3	FW-USS-0.313Y	Washer, Flat USS 5/16 YZ	22	
4	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2 YZ8	30	
5	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	5	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	6	
7	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2 YZ8	4	
8	NLNUT-0.250-20Y8	Nylon Lock Nut, 1/4-20 YZ8	34	
9	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	15	
10	OHPMS-.250-20X1.00SS	Screw, Phillips Oval Hd 1/4-20x1 SS	4	
11	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	4	
12	T0051467	Handle	1	
13	T0051481	Rubber Stop	2	
14	T0051664	Decal, YieldTrac With Arch LH	1	
15	T0054582	Shield Mount	2	
16	T0054583	Mount, Shield Bumper	2	
17	T0055681	Fan Deflector	1	
18	T0055715	Cap, LH Shield End	1	
19	T0056140	Panel, 24R22 LH Wing Back	1	
20	T0056142	Shield, 24R22 LH Wing	1	
21	TA00851	Piano Hinge	3	
22	UB-0.38X7.0X7.0-SY2	U-Bolt, Square 3/8-16x7x7 YZ2	2	
23	T0056182	Decal, Warning Row Unit Lift Lock	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.



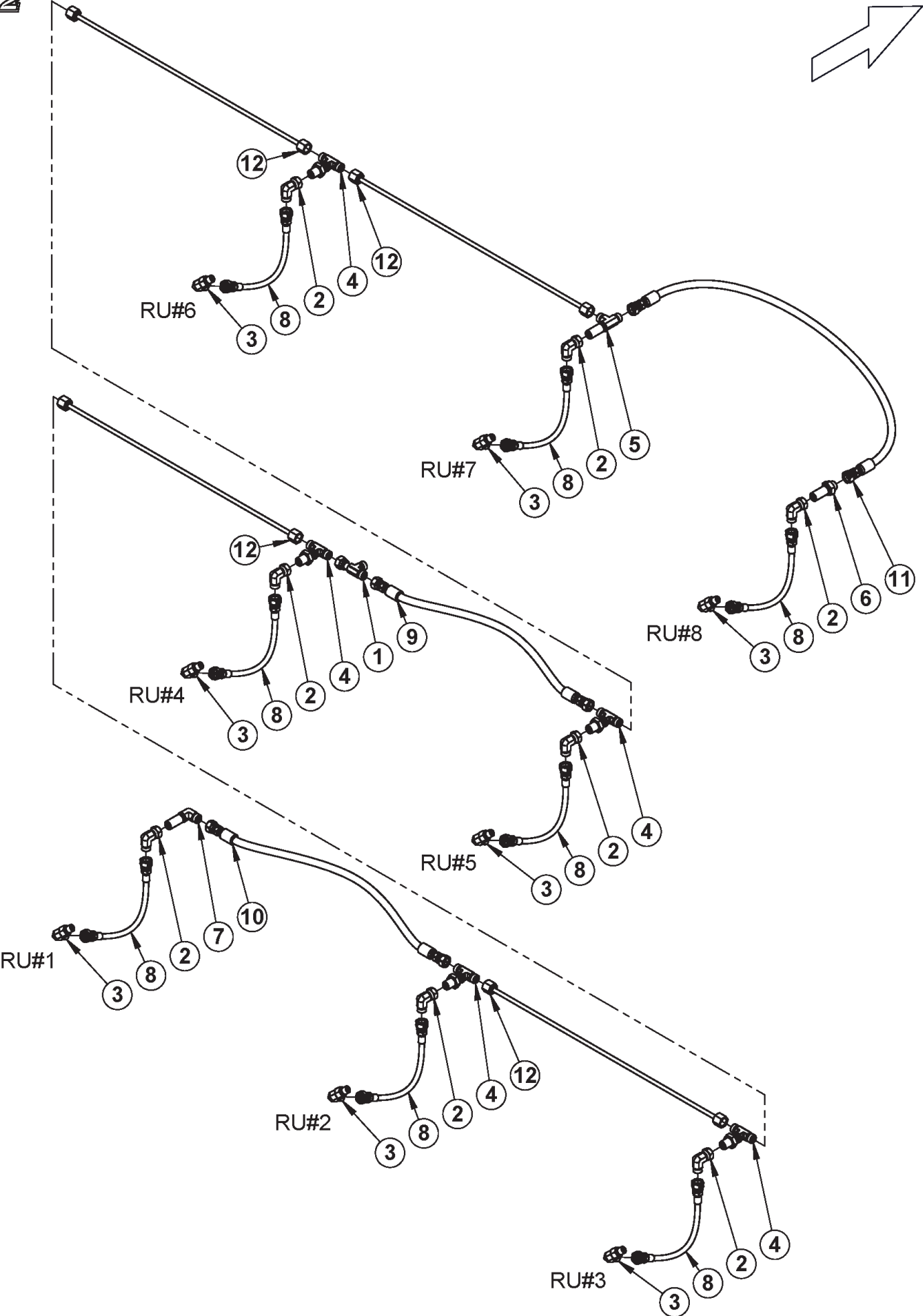
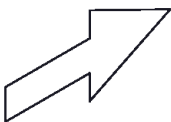


TA02075 Assy, 24R22 LH Wing PP

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	86050286	Bolt, M10x 20mm	4	
2	TA01930	Assy, Fan & Alt Valve	1	
3	TA02106	Assy, Alternator w/ Adapters	1	
4	TA02107	Assy, Battery w/ Mount	1	
5	TA02108	Assy, PDM w/Mount	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.

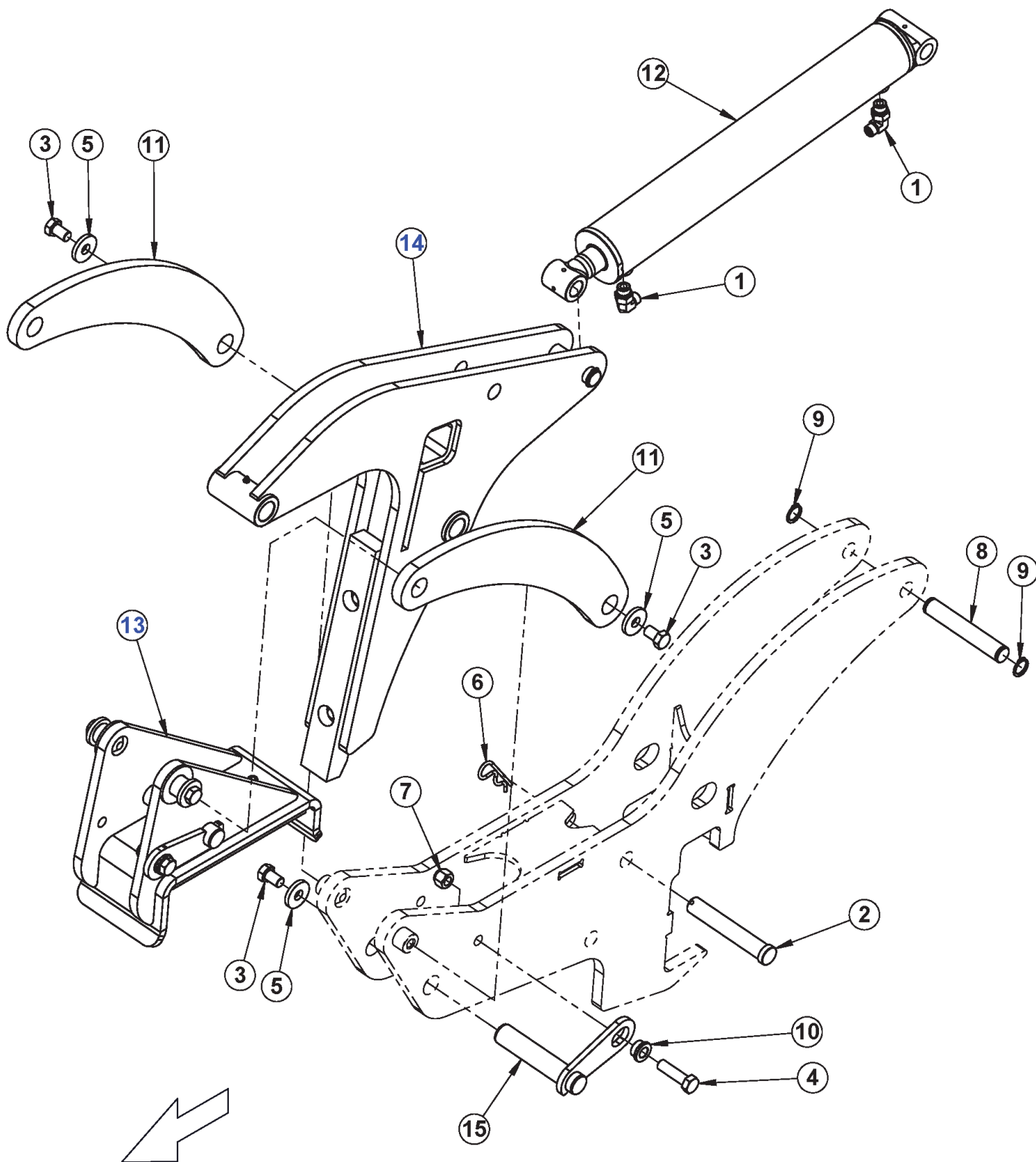


TA02101 Assy, 24R22 LH RU Lift Hose Routing

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-04MFS-04FST-04MFS	Adapter, 04MFS-04FST-04MFS Tee	1	
2	AD-04MFS-04FST-90	Adapter, 04MFS-04FST 90	8	
3	AD-04MFS-04MB-90	Adapter, 04MFS-04MB 90	8	
4	AD-04MFS-04MFS-04MFS-BH	Adapter, 04MFS-04MFS-04MFS BH Tee	5	
5	AD-04MFS-04MFS-04MFS-BHR	Adapter, 04MFS-04MFS-04MFS BH Run	1	
6	AD-04MFS-04MFS-BH	Adapter, 04MFS-04MFS BH	1	
7	AD-04MFS-04MFS-BH90	Adapter, 04MFS-04MFS BH 90	1	
8	HS02-009-04FS-04FS	Hose 0.125-009-04FS-04FS	8	
9	HS04-019-04FS-04FS-A	Hose 0.250-019-04FS-04FS-A	1	
10	HS04-021-04FS-04FS-A	Hose 0.250-021-04FS-04FS-A	1	
11	HS04-032-04FS-04FS-A	Hose 0.250-032-04FS-04FS-A	1	
12	T0056085	Tube Assy, Row Lift 22" Spacing	4	

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.

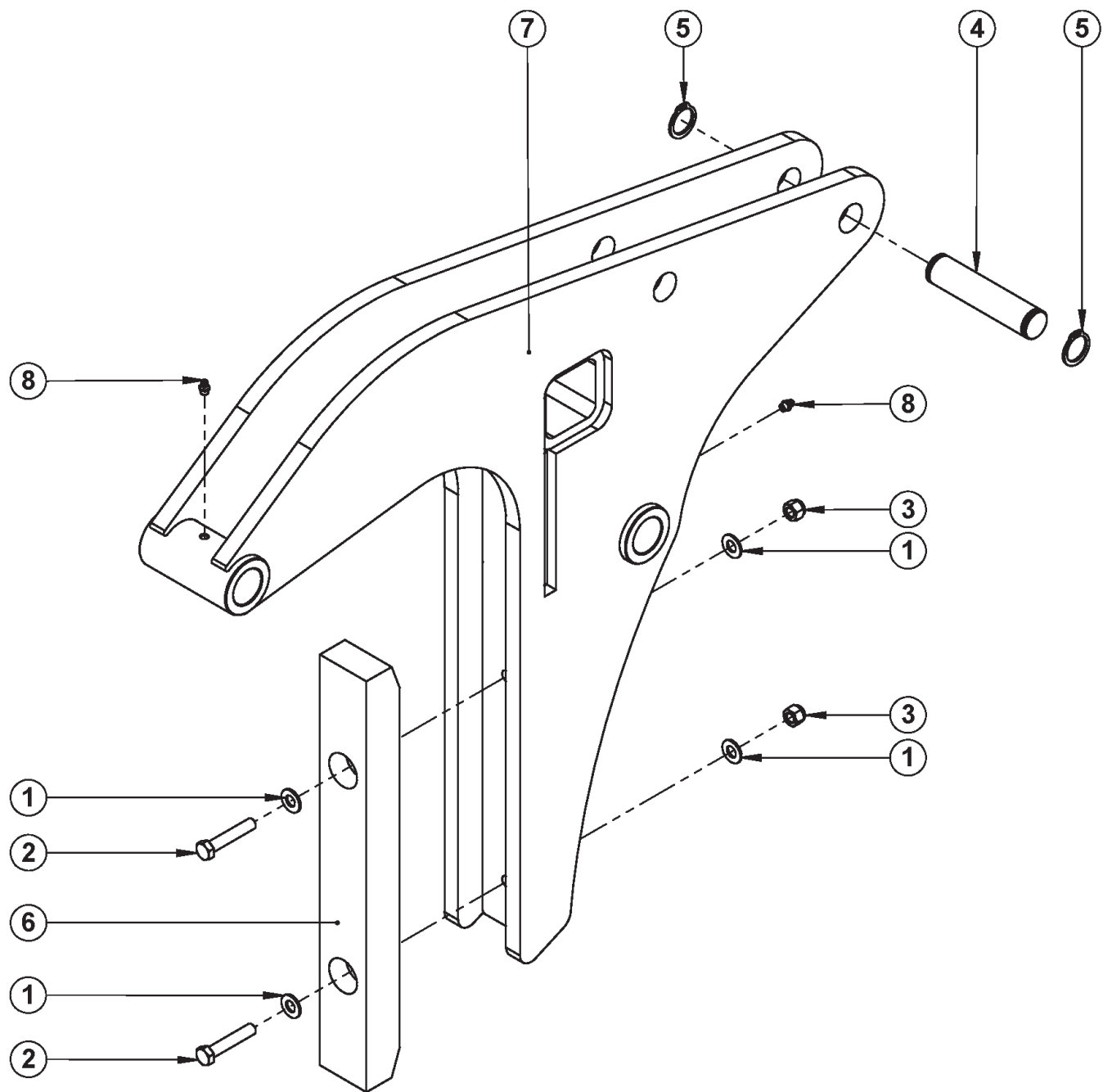


TA01753 Assy, LH Wing Lift

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-06MFS-08MB-90	Adapter, 06MFS-08MB 90	2	
2	CLPIN-1.000X6.00Y	Clevis Pin, 1x6 YZ	1	
3	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
4	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
5	HDWSH-0.64X1.75Y	HD Washer 41/64x1-3/4 YZ	3	
6	HPINCLIP-1.000Y	Hair Pin Clip, 1 YZ	1	
7	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	1	
8	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
9	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	2	
10	T0050854	Anti Rotation Insert	1	
11	T0055674	Linkage, Wing Lift	2	
12	TA00963	Cylinder, Hyd 3.00X20.00	1	
13	TA00979	Assy, Wing Engagement	1	
14	TA00980	Wing Lift Assy	1	
15	TW000906	Pin Weldment	1	

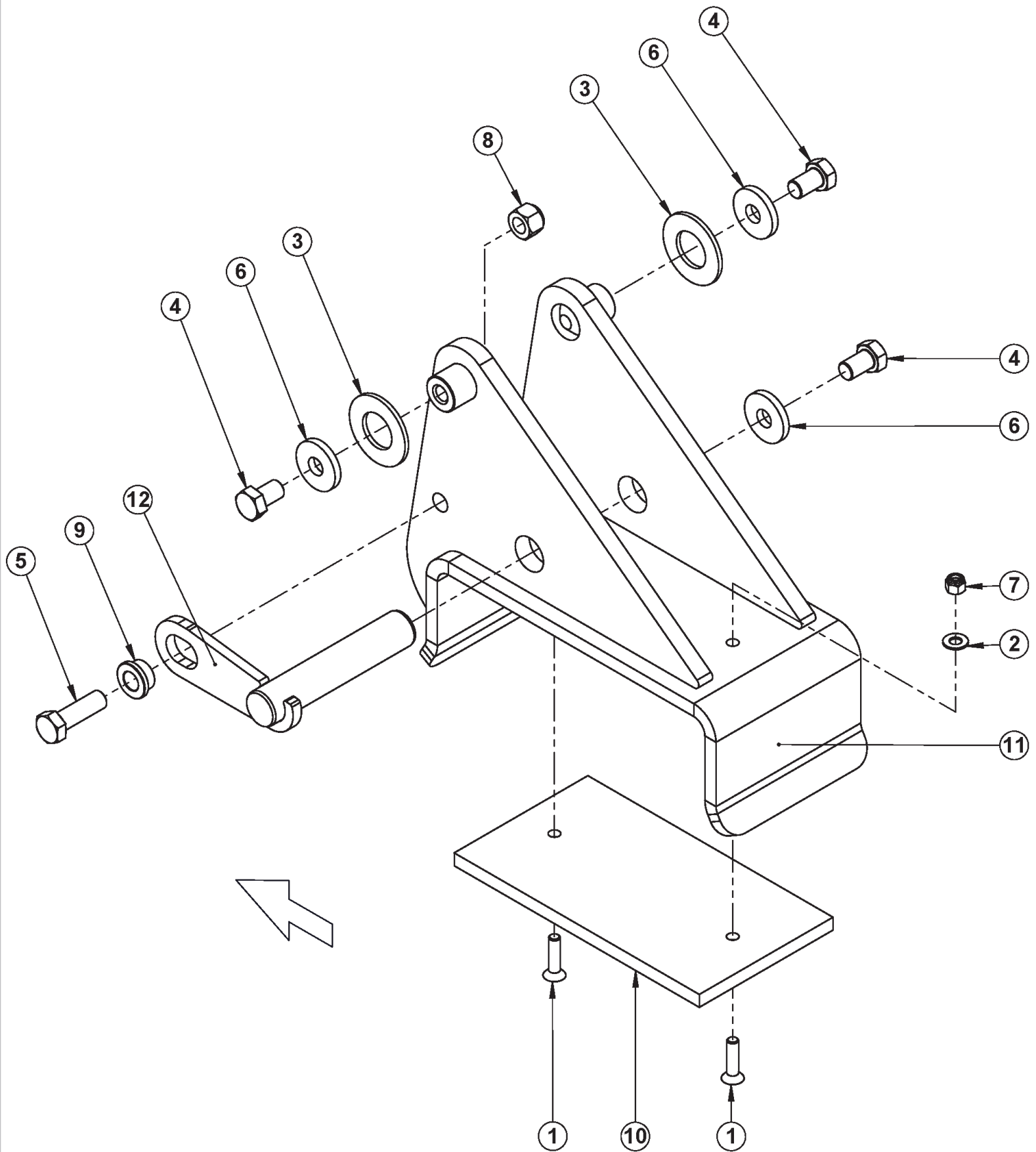
Note:

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.



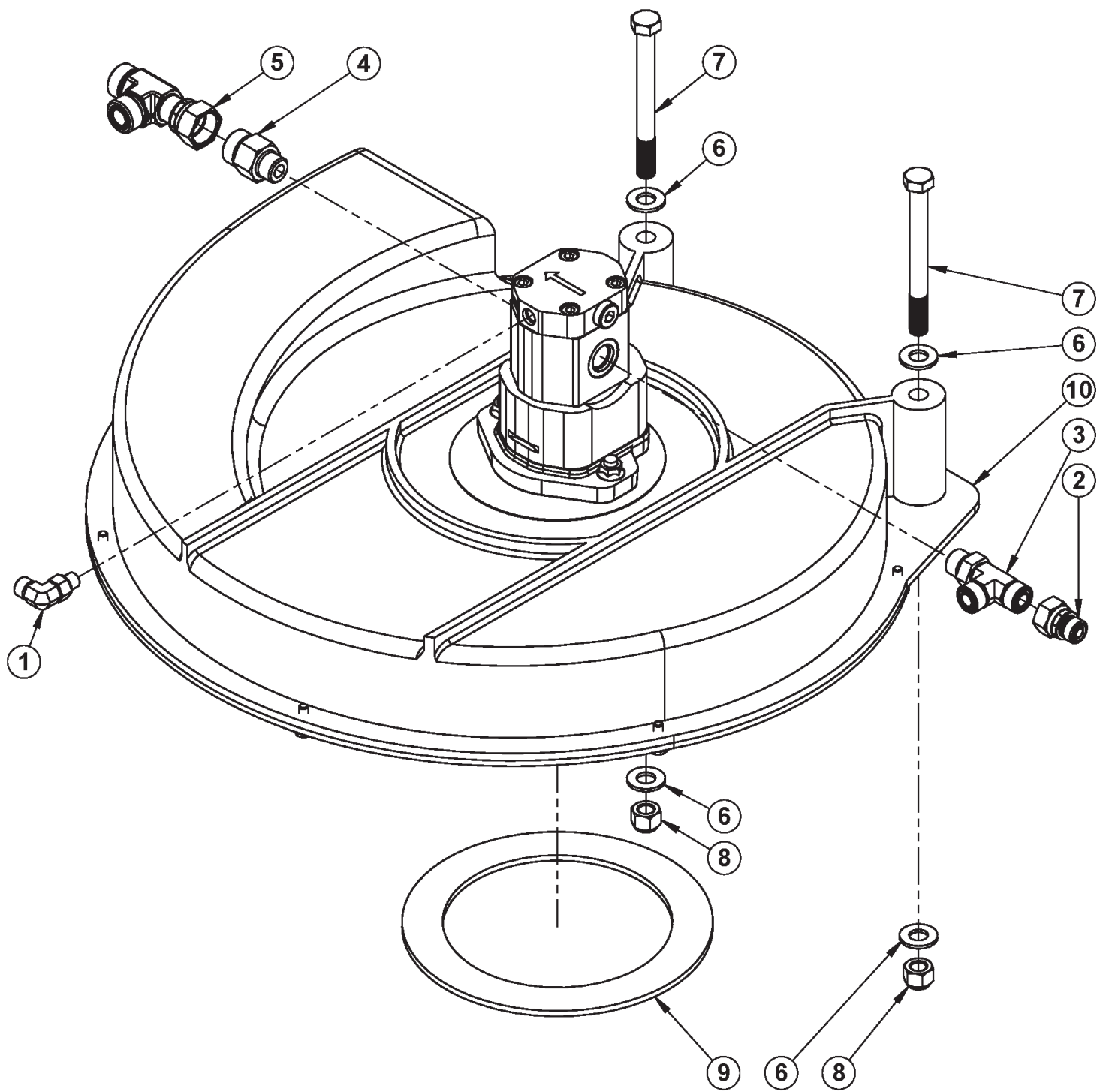
TA00980 Wing Lift Assy

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
2	HB-0.375-16X2.00Y8	Bolt, Hex Hd 3/8-16x2-YZ8	2	
3	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	2	
4	PIN-1.000X4.13Y	PIN-1.000X4.13Y	1	
5	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
6	T0052755	Lift Pad	1	
7	TW000901	Wldmt, Wing Lift	1	
8	ZERK-0.250-28	Zerk, 1/4-28	2	



TA00979 Assy, Wing Engagement

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FHSCS-0.375-16X1.50Y8	FHCS 3/8-16x1-1/2-YZ	2	
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
3	FW-SAE-1.250Y	Washer, Flat-SAE-1-1/4-YZ	2	
4	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
5	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	1	
6	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
7	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	2	
8	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
9	T0050854	Anti Rotation Insert	1	
10	T0053191	Pad, Wing Lift	1	
11	TW000900	Wldmt, Wing Engagement	1	
12	TW000906	Pin Weldment	1	

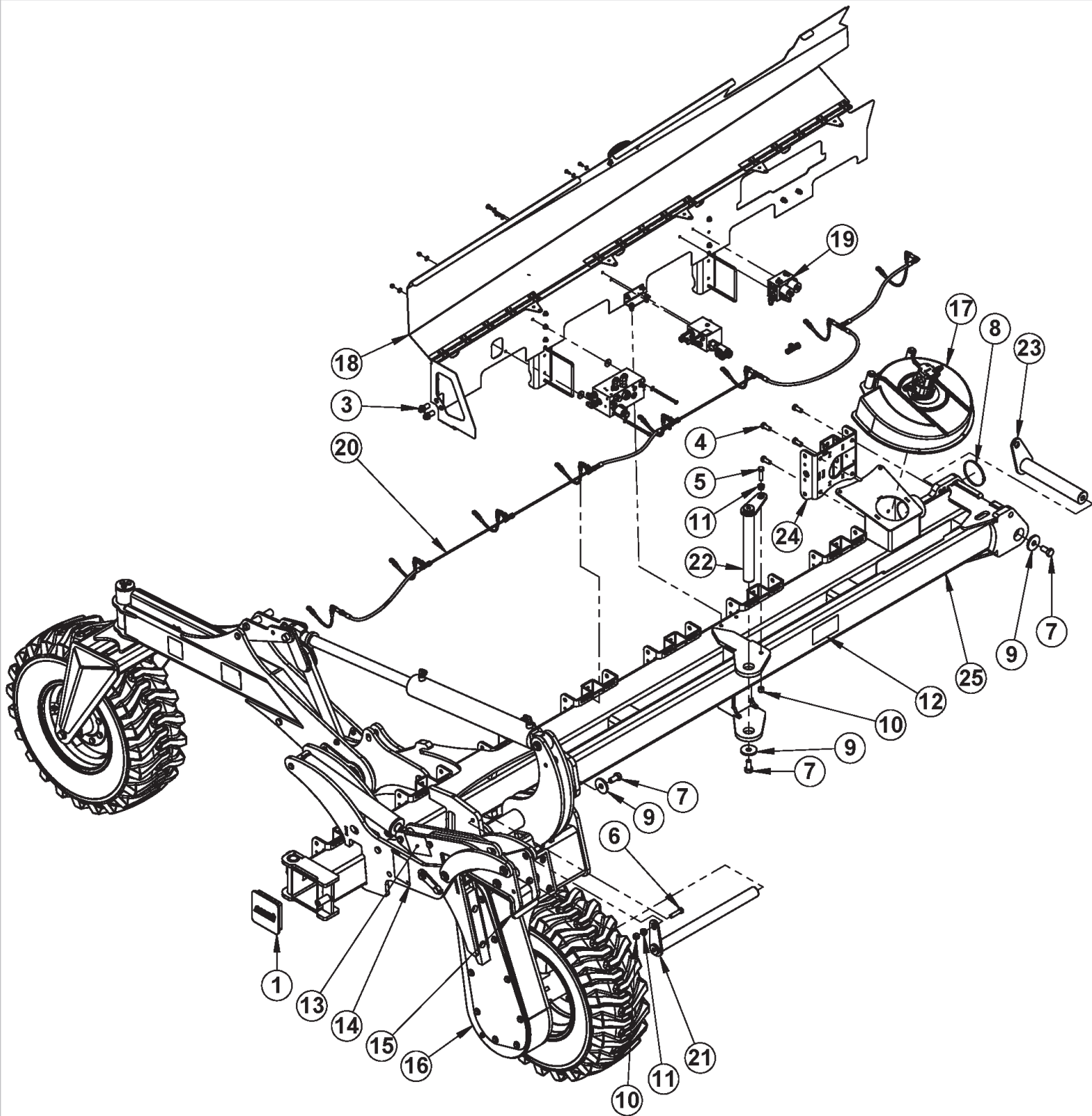


TA02024 Assy, Vacuum Fan RH Wing

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-04MFS-04MB-90	AD-04MFS-04MB-90	1	
2	AD-06MFS-08FST	AD-06MFS-08FST	1	
3	AD-08MFS-08MB-08MFS	AD-08MFS-08MB-08MFS	1	
4	AD-10MFS-08MB	AD-10MFS-08MB	1	
5	AD-10MFS-10FST-10MFS	AD-10MFS-10FST-10MFS	1	
6	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
7	HB-0.500-13X5.00Y8	Bolt, Hex Hd 1/2-13x5 YZ8	2	
8	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	2	
9	T0056080	Seal, Vacuum Fan	1	
10	TA01208	Fan, Vacuum w/Motor 6cc	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.

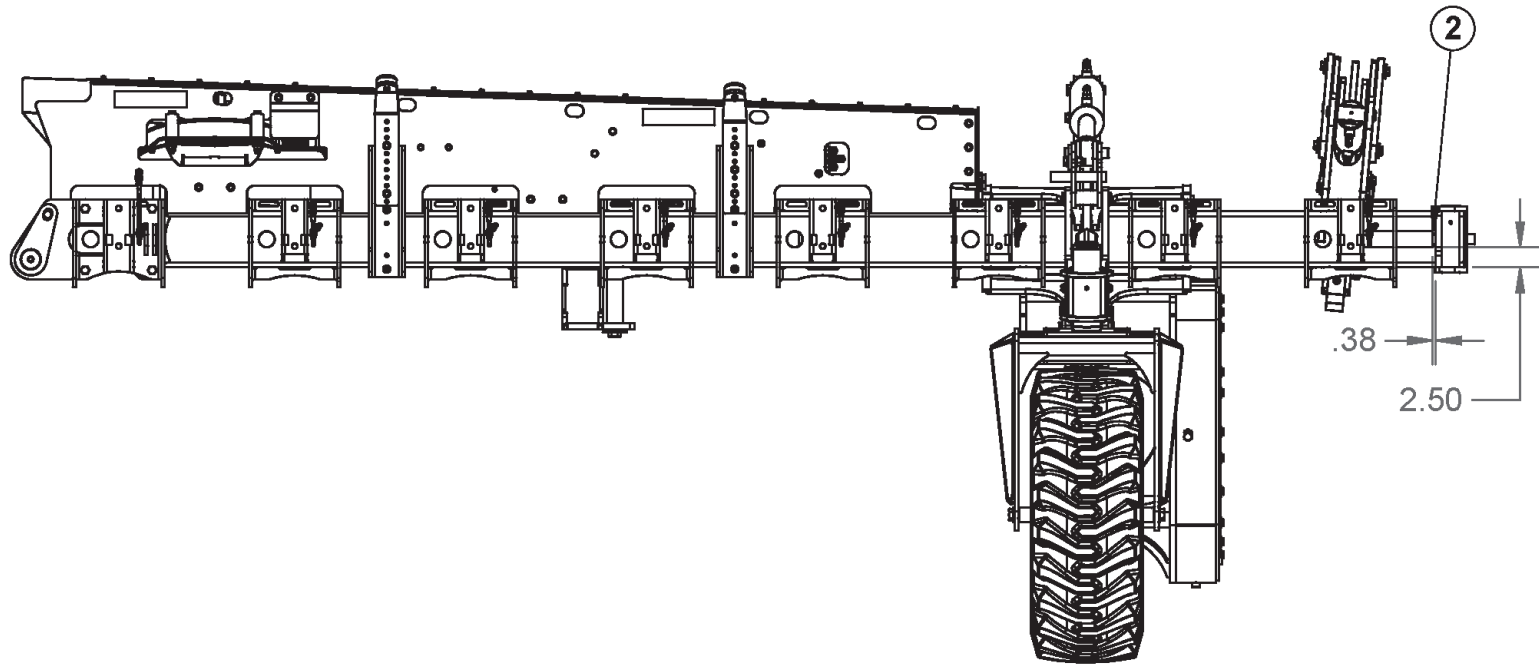


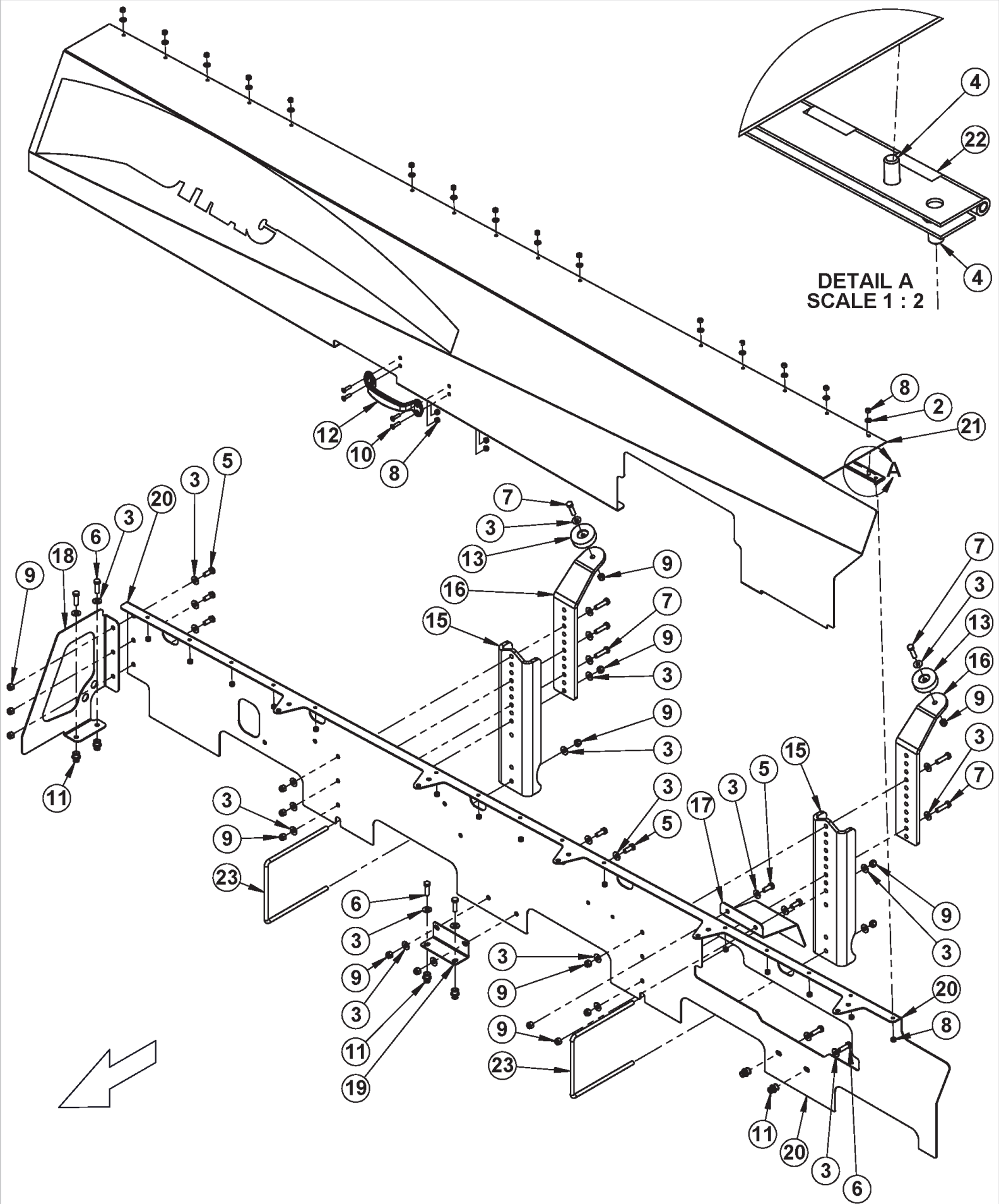
TA02056 Assy, 24R22 RH Wing Base

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	73368118	Cap, Case IH 7x7 Tube	1	
2	90-44-0410	Decal, Reflector, Yellow-2x9	2	
3	AD-08MFS-08MFS-BH	Adapter, 08MFS-08MFS BH	2	
4	HB-0.625-11X1.50Y8	Bolt, Hex Hd 5/8-11x1-1/2 YZ8	4	
5	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
6	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	1	
7	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	3	
8	HCLMP-SAE-512SS	Hose Clamp, SAE #512 SS	1	
9	HDWSH-0.89X3.00Y	HD Washer, 5/7/64x3 YZ	3	
10	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
11	T0050854	Anti Rotation Insert	2	
12	T0051588	Decal, Warning - Crush Hazard	1	
13	T0052802	Decal, Warn-Crush Haz Lift Cyl	1	
14	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
15	TA01754	Assy, RH Wing Lift	1	
16	TA01904	Assy, 20"/22"/30" Single Wing Wheel	1	
17	TA02024	Assy, Vacuum Fan RH Wing	1	
18	TA02060	Assy, 24R22 RH Wing Shield	1	
19	TA02076	Assy, 24R22 RH Wing Valves	1	
20	TA02102	Assy, 24R2 RH RU Lift Hose Routing	1	
21	TW000717	Pin Weldment	1	
22	TW000794	Pin Weldment	1	
23	TW001380	Pin Weldment	1	
24	TW001475	Wdmt, RU Bolt-On Head Bracket	1	
25	TW001483	Wdmt, 24R22 RH Wing	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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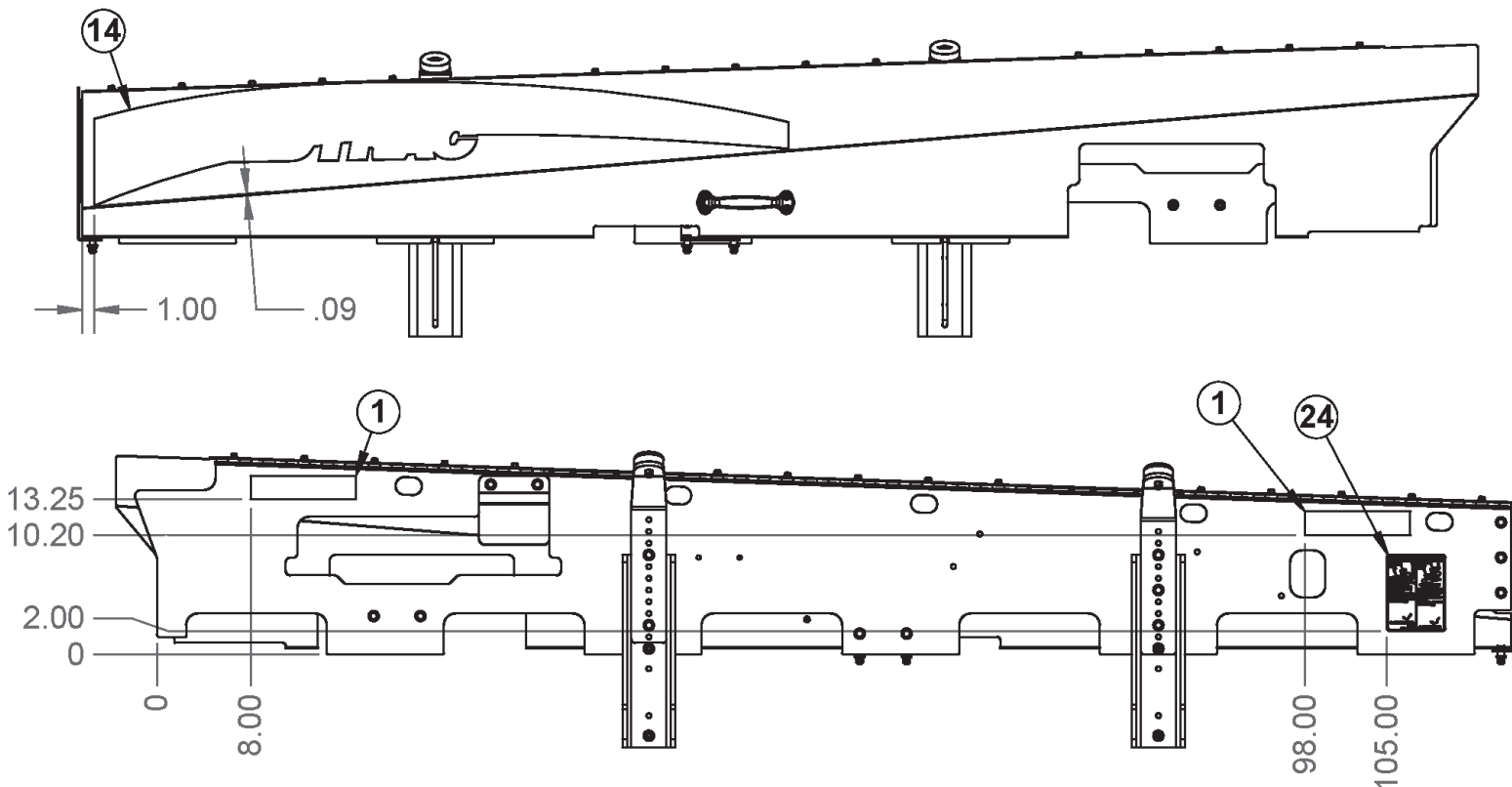


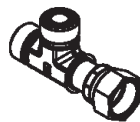
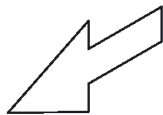
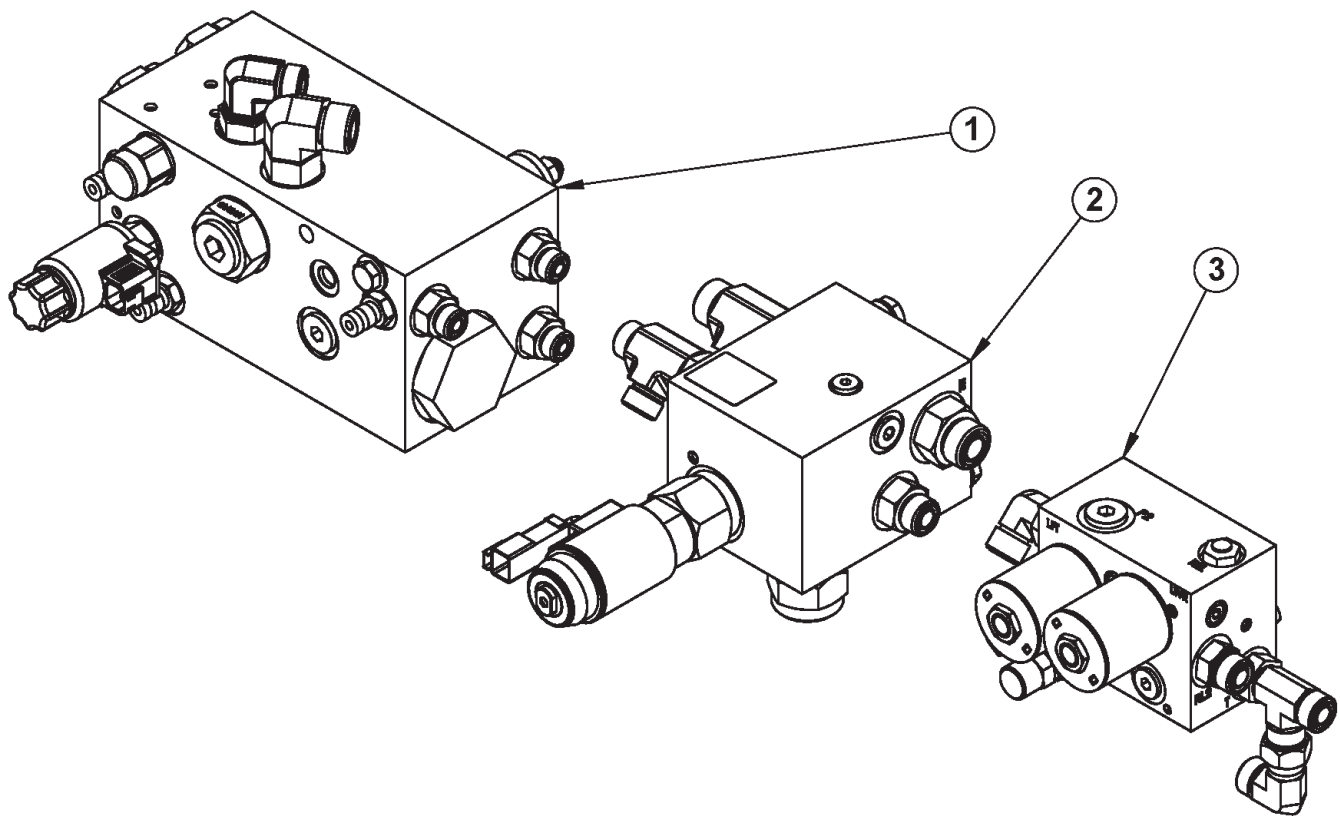
TA02060 Assy, 24R22 RH Wing Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	2	
2	FW-SAE-0.250Y	Washer, Flat SAE 1/4 YZ	15	
3	FW-USS-0.313Y	Washer, Flat USS 5/16 YZ	31	
4	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2 YZ8	30	
5	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	7	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	6	
7	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2 YZ8	7	
8	NLNUT-0.250-20Y8	Nylon Lock Nut, 1/4-20 YZ8	34	
9	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	18	
10	OHPMS-.250-20X1.00SS	Screw, Phillips Oval Hd 1/4-20x1 SS	4	
11	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	6	
12	T0051467	Handle	1	
13	T0051481	Rubber Stop	2	
14	T0051663	Decal, YieldTrac With Arch RH	1	
15	T0054582	Shield Mount	2	
16	T0054583	Mount, Shield Bumper	2	
17	T0055681	Fan Deflector	1	
18	T0055716	Cap, RH Shield End	1	
19	T0055884	Retainer, Back Panel	1	
20	T0056141	Panel, 24R22 RH Wing Back	1	
21	T0056143	Shield, 24R22 RH Wing	1	
22	TA00851	Piano Hinge	3	
23	UB-0.38X7.0X7.0-SY2	U-Bolt, Square 3/8-16x7x7 YZ2	2	
24	T0056182	Decal, Warning Row Unit Lift Lock	1	

Note:

1. [T=XXX] = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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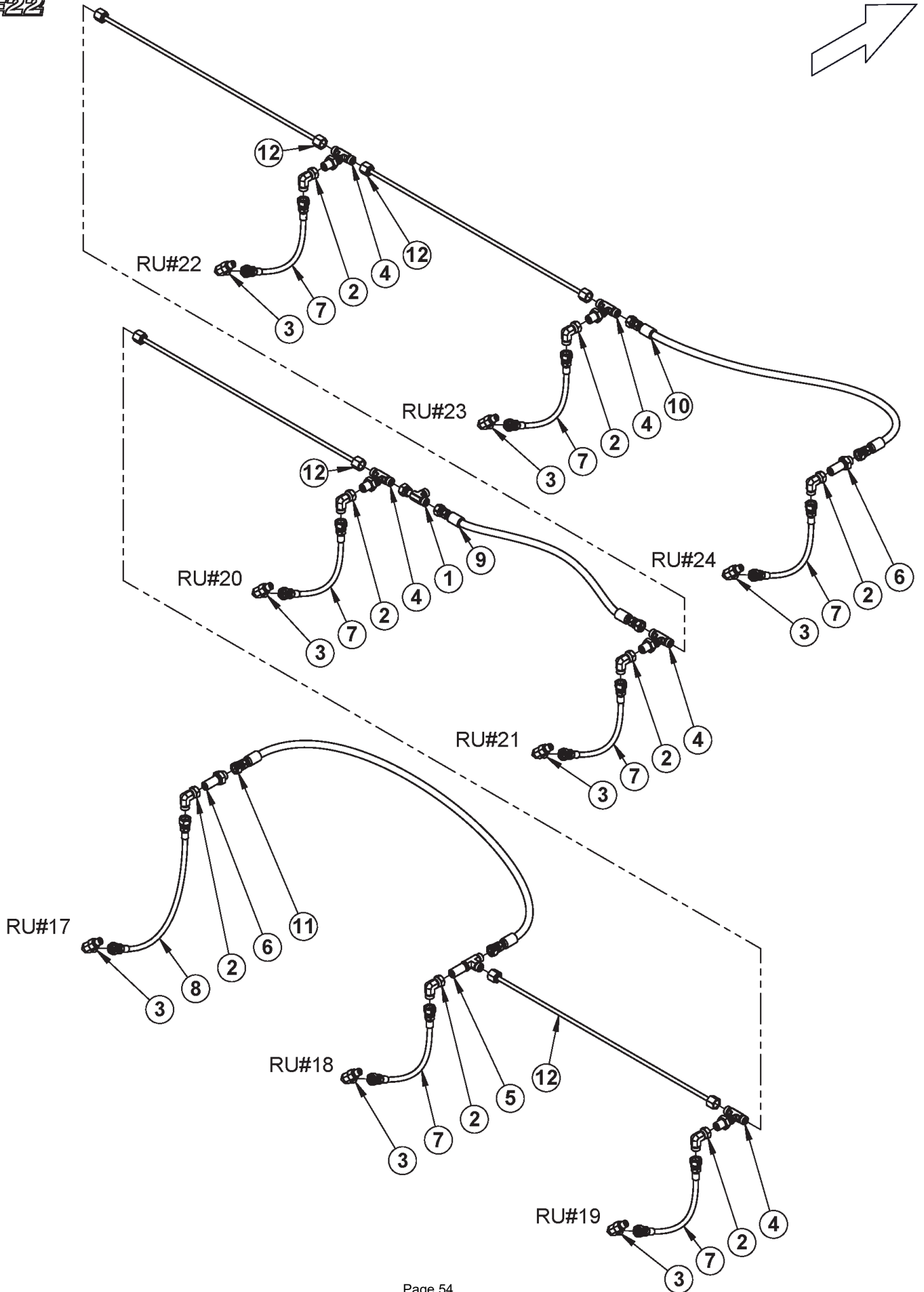
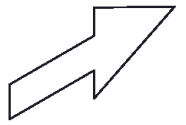


TA02076 Assy, 24R22 RH Wing Valves

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01928	Assy, Delta Force Valve	1	
2	TA01747	Assy, Hyd. Valve	1	
3	TA01889	Assy, Row Lift Valve	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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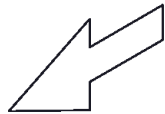
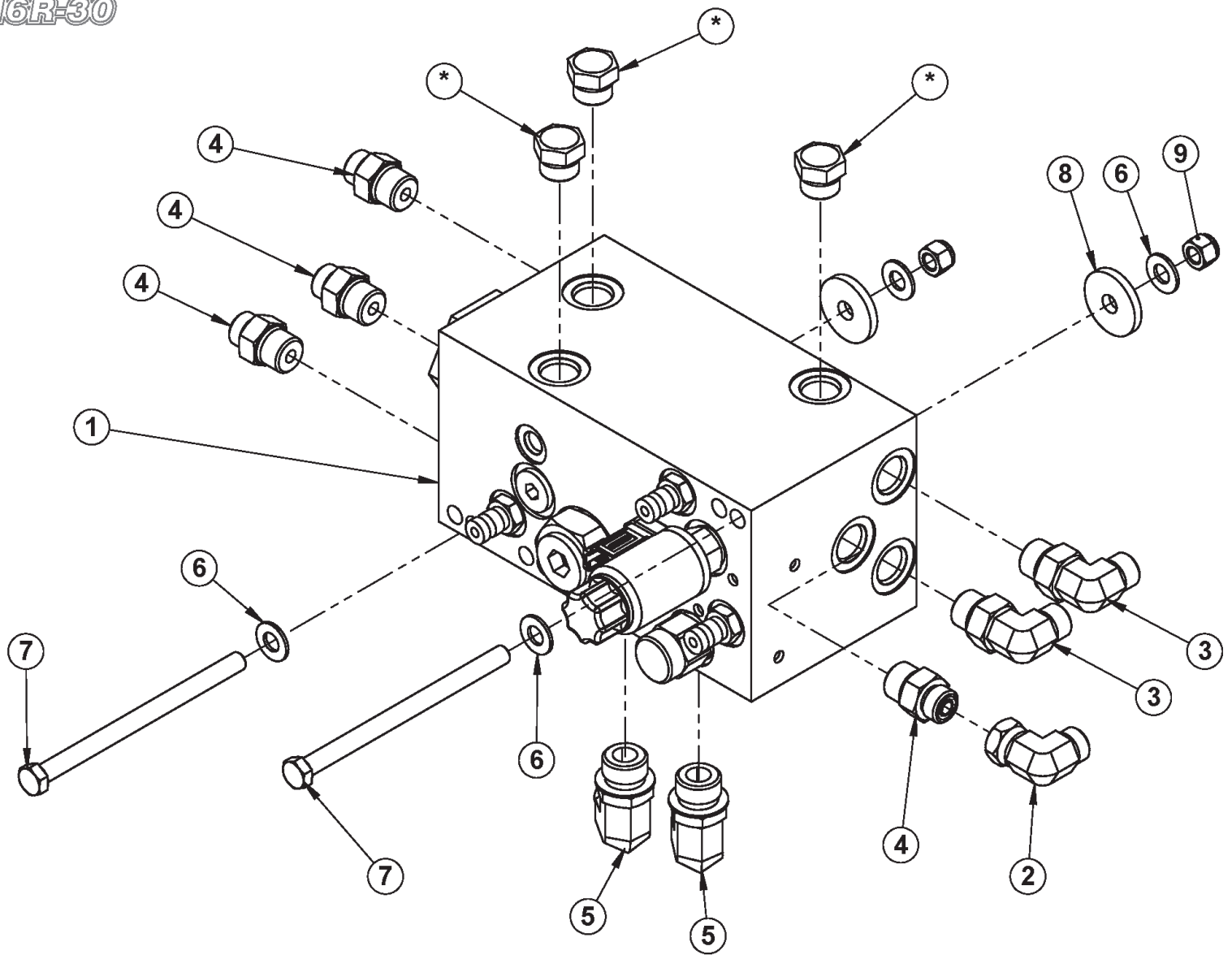


TA02102 Assy, 24R2 RH RU Lift Hose Routing

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-04MFS-04FST-04MFS	Adapter, 04MFS-04FST-04MFS Tee	1	
2	AD-04MFS-04FST-90	Adapter, 04MFS-04FST 90	8	
3	AD-04MFS-04MB-90	Adapter, 04MFS-04MB 90	8	
4	AD-04MFS-04MFS-04MFS-BH	Adapter, 04MFS-04MFS-04MFS BH Tee	5	
5	AD-04MFS-04MFS-04MFS-BHR	Adapter, 04MFS-04MFS-04MFS BH Run	1	
6	AD-04MFS-04MFS-BH	Adapter, 04MFS-04MFS BH	2	
7	HS02-009-04FS-04FS	Hose 0.125-009-04FS-04FS	7	
8	HS02-013-04FS-04FS	Hose 0.125-013-04FS-04FS	1	
9	HS04-019-04FS-04FS-A	Hose 0.250-019-04FS-04FS-A	1	
10	HS04-026-04FS-04FS-A	Hose 0.250-026-04FS-04FS-A	1	
11	HS04-032-04FS-04FS-A	Hose 0.250-032-04FS-04FS-A	1	
12	T0056085	Tube Assy, Row Lift 22" Spacing	4	

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.

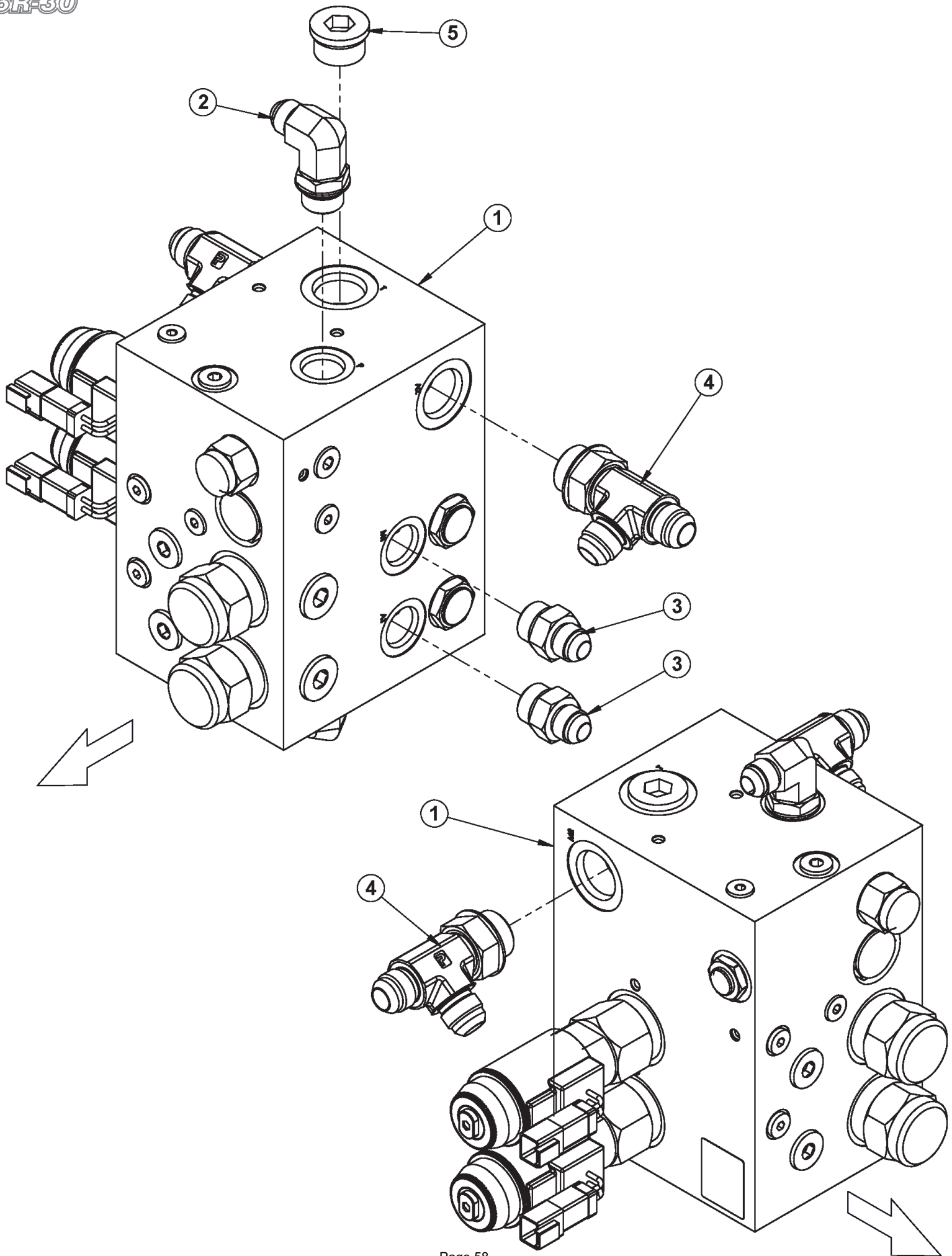


TA01742 Assy, Delta Force Valve

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73368374	<NOT SPECIFIED>	1	
2	AD-06MFS-06FST-90	AD-06MFS-06FST-90	1	
3	AD-06MFS-08MB-90	AD-06MFS-08MB-90	2	
4	AD-06MFS-08MB	AD-06MFS-08MB	4	
5	AD-08MJ-10MB-90	ADAPTER 08MJ-10MB 90	2	
6	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
7	HB-0.375-16X5.50Y8	HBolt-0.3750-16x5.500-YZ8	2	
8	HDWSH-0.375X1.375Y	HD Washer 0.375 x 1.375	2	
9	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	2	

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.

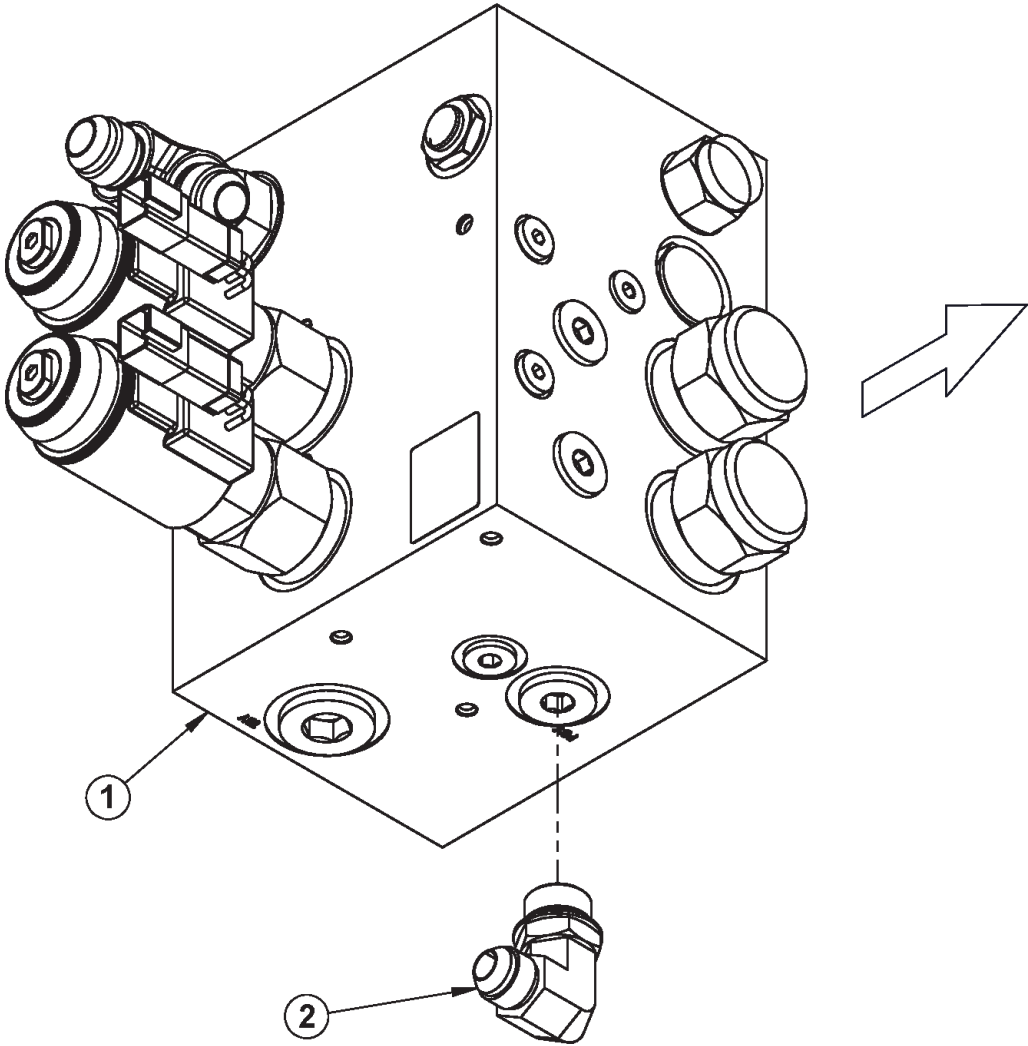


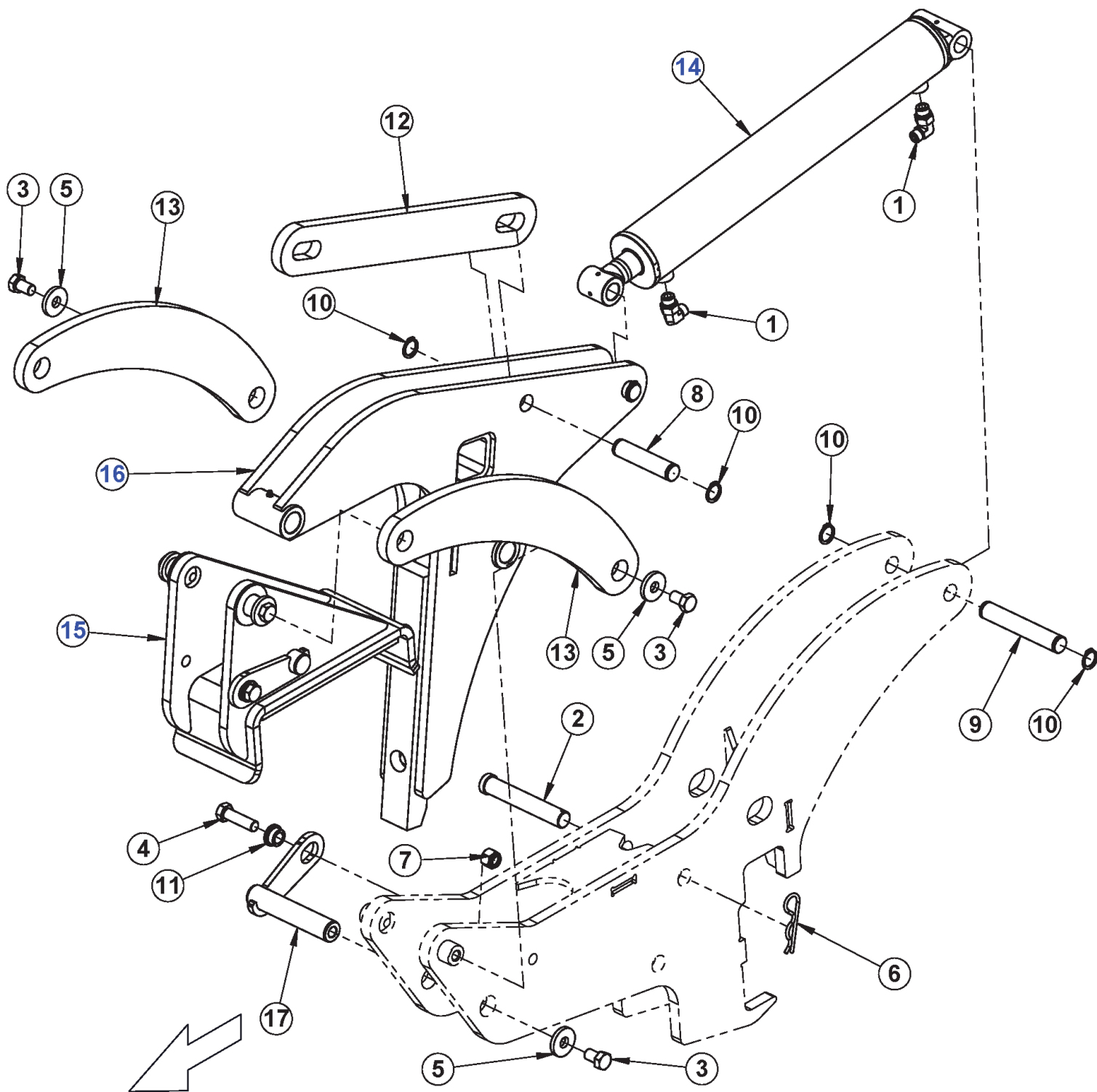
TA01832 Assy, Valve, Fan & Alt Control

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	47919038	Valve, Fan & Alt Control	1	
2	AD-08MJ-10MB-90	ADAPTER 08MJ-10MB 90	2	
3	AD-08MJ-10MB	ADAPTER 08MJ-10MB	2	
4	AD-10MJ-12MB-10MJ	ADAPTER 10MJ-12MB-10MJ TEE	2	
5	HEXPLUG-12MB-HLW	SAE #12 Hollow Hex Plug	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.



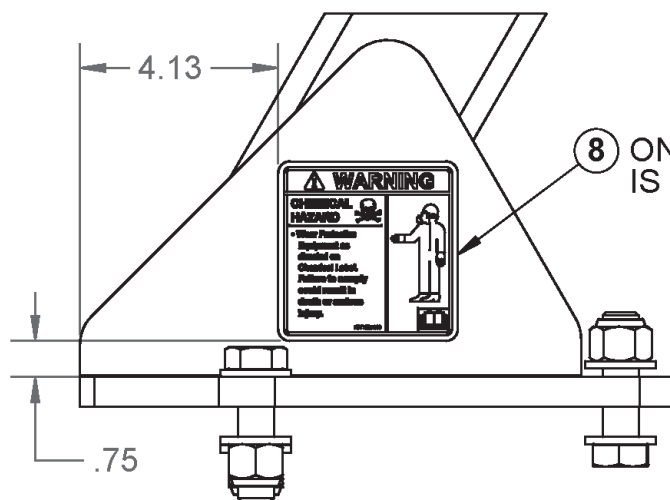
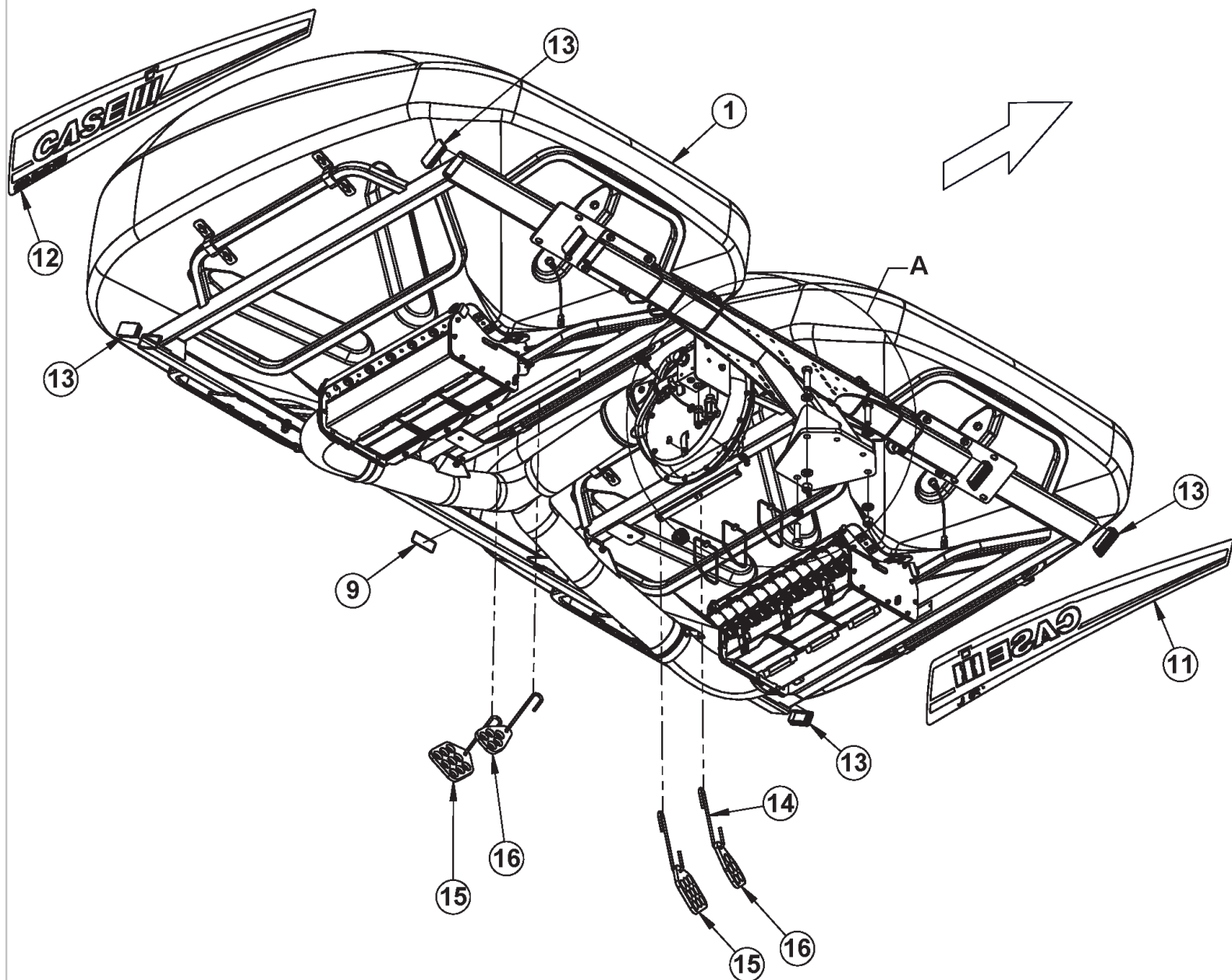


TA01754 Assy, RH Wing Lift

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-06MFS-08MB-90	Adapter, 06MFS-08MB 90	2	
2	CLPIN-1.000X6.00Y	Clevis Pin, 1x6 YZ	1	
3	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
4	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
5	HDWSH-0.64X1.75Y	HD Washer 41/64x1-3/4 YZ	3	
6	HPINCLIP-1.000Y	Hair Pin Clip, 1 YZ	1	
7	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	1	
8	PIN-1.000X4.13Y	Pin, 1x4-1/8 YZ	1	
9	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
10	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	4	
11	T0050854	Anti Rotation Insert	1	
12	T0055482	Linkage, Transport Lock	1	
13	T0055674	Linkage, Wing Lift	2	
14	TA00963	Cylinder, Hyd 3.00X20.00	1	
15	TA00979	Assy, Wing Engagement	1	
16	TA00980	Wing Lift Assy	1	
17	TW000906	Pin Weldment	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.



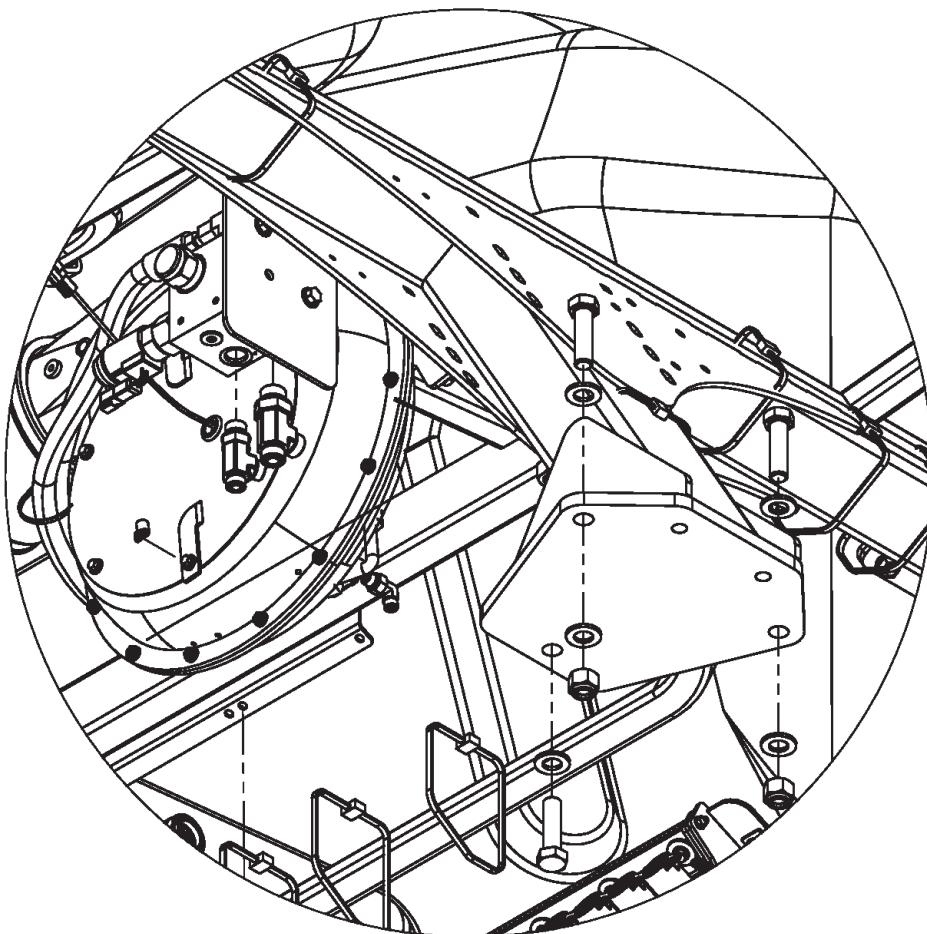
8 ONLY INSTALL IF PLANTER IS GETTING FERTILIZER.

TA01945 Assy, Bulk Fill

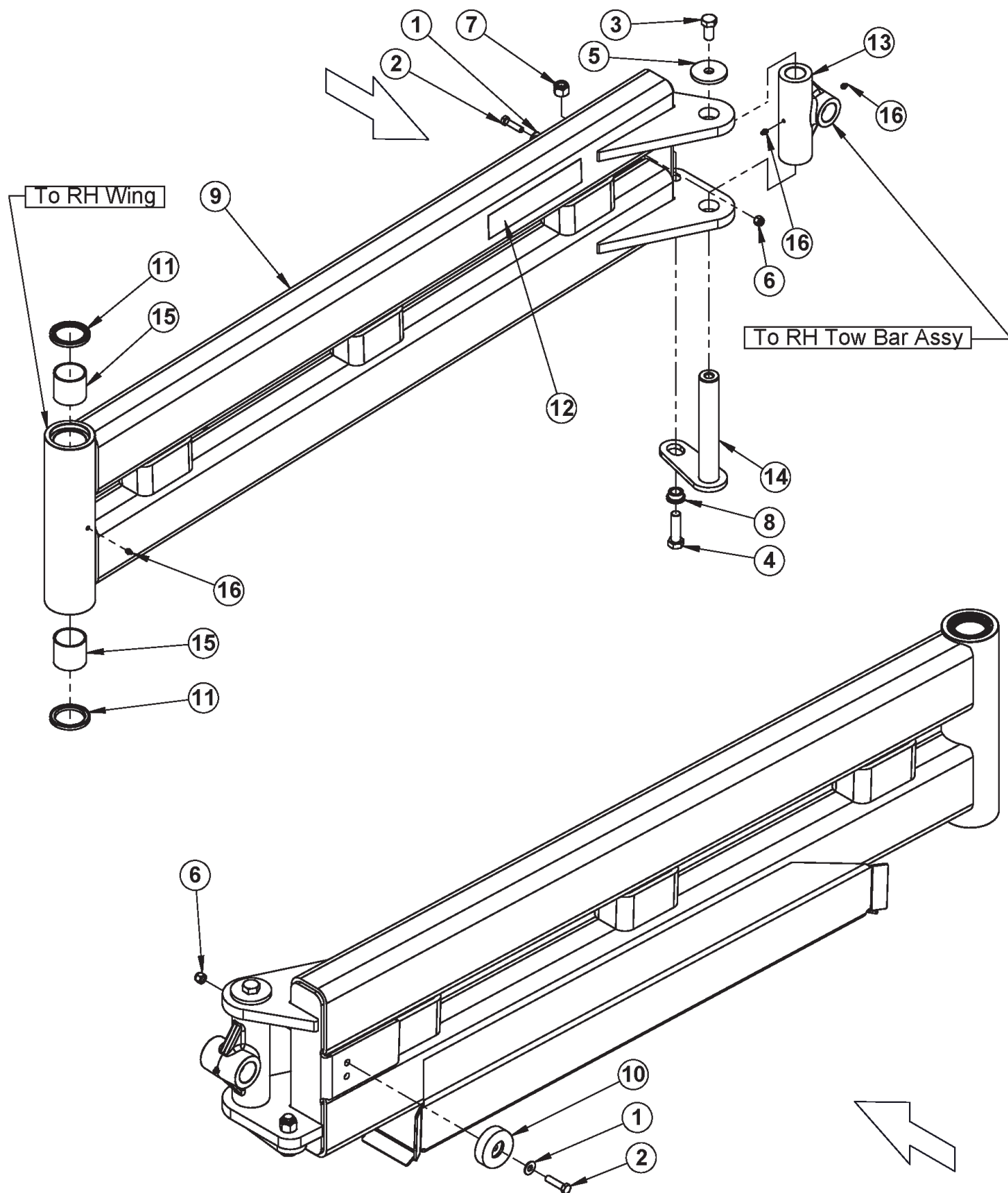
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	48103239	CNH Bulk Fill	1	
2	AD-04MFS-06MB-90	AD-04MFS-06MB-90	1	
3	AD-08MFS-10MB-08MFS	AD-08MFS-10MB-08MFS	1	
4	AD-10MFS-12MB-10MFS	AD-10MFS-12MB-10MFS	1	
5	FW-SAE-0.750Y	Washer, Flat-SAE 3/4 YZ	6	
6	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4-YZ8	3	
7	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	3	
8	T0051589	Decal, Warning-Chemical Hazard	1	
9	T0051653	Decal, No Step	1	
10	T0051717	P-Clamp, .3125 Ø.281 Hole	1	
11	T0052294	Decal, Bulk Fill LH	1	
12	T0052295	Decal, Bulk Fill RH	1	
13	T0052517	Plug, Rect Tube 2x4x6-8Ga	6	
14	T0052569	J-Hanger, Double	4	
15	T0052572	Seed Hose Hanger, Middle	2	
16	T0052573	Seed Hose Hanger, Middle Fr	2	

Note:

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DETAIL A
SCALE 1 : 8

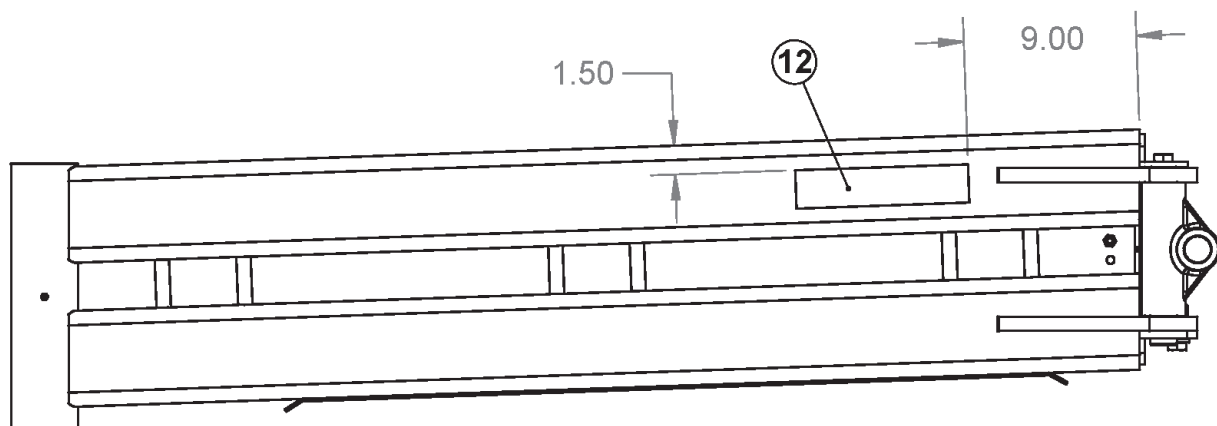


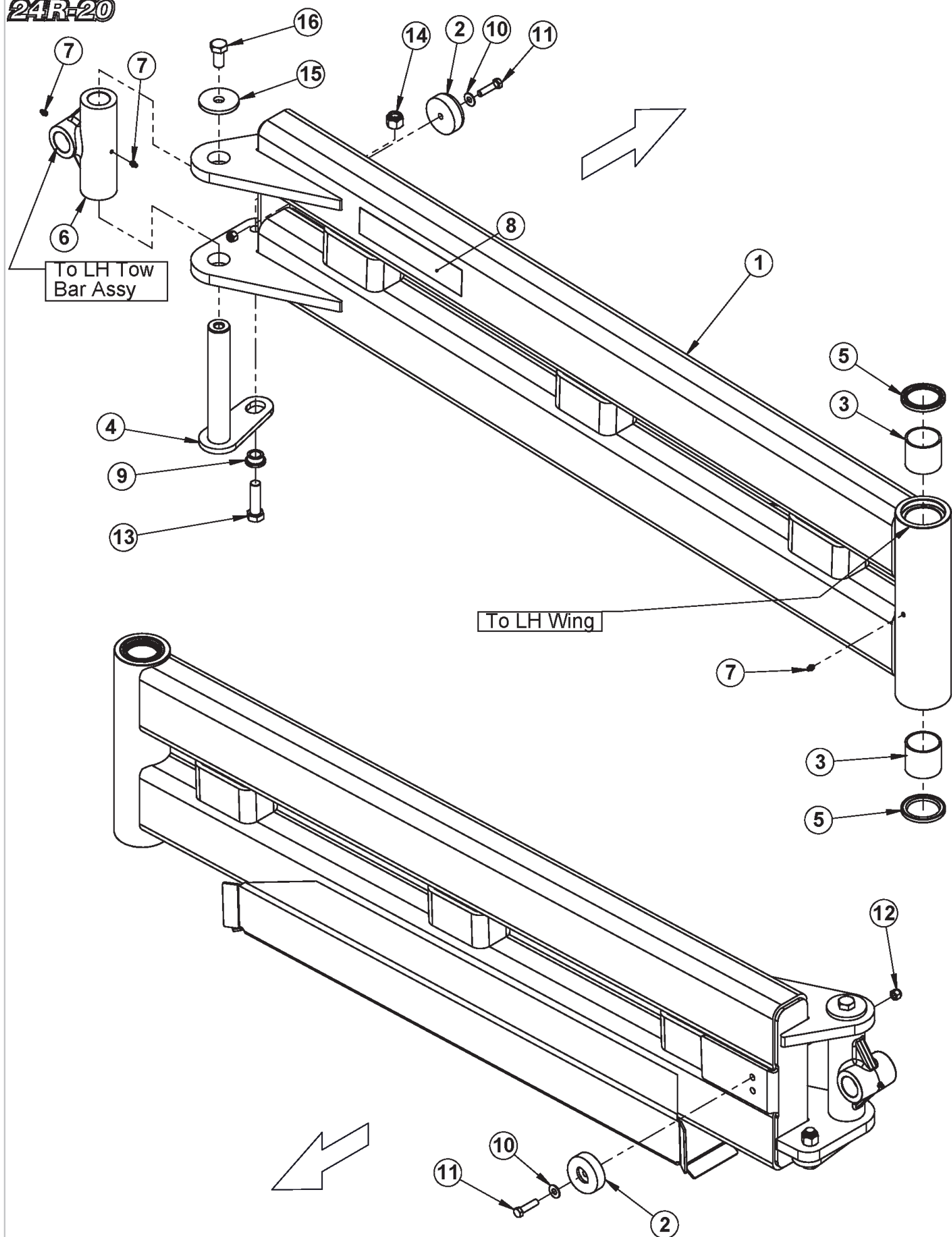
TA01383 Assy, Tow Bar Gate - RH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	1	
2	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	1	
3	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	1	
4	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
5	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	1	
6	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	1	
7	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
8	T0050854	Anti Rotation Insert	1	
9	TW001232	Wldmt, 24R20/22 RH Towbar Gate	1	
10	T0051481	Rubber Stop	1	
11	T0051585	2.00 Grease Seal	2	
12	T0051729	Decal, Reflector, Yellow-2x9	1	
13	T0052223	Tow Bar Knuckle Machined	1	
14	TW000761	Pin Weldment	1	
15	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
16	ZERK-0.250-28	Zerk, 1/4-28	3	

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.



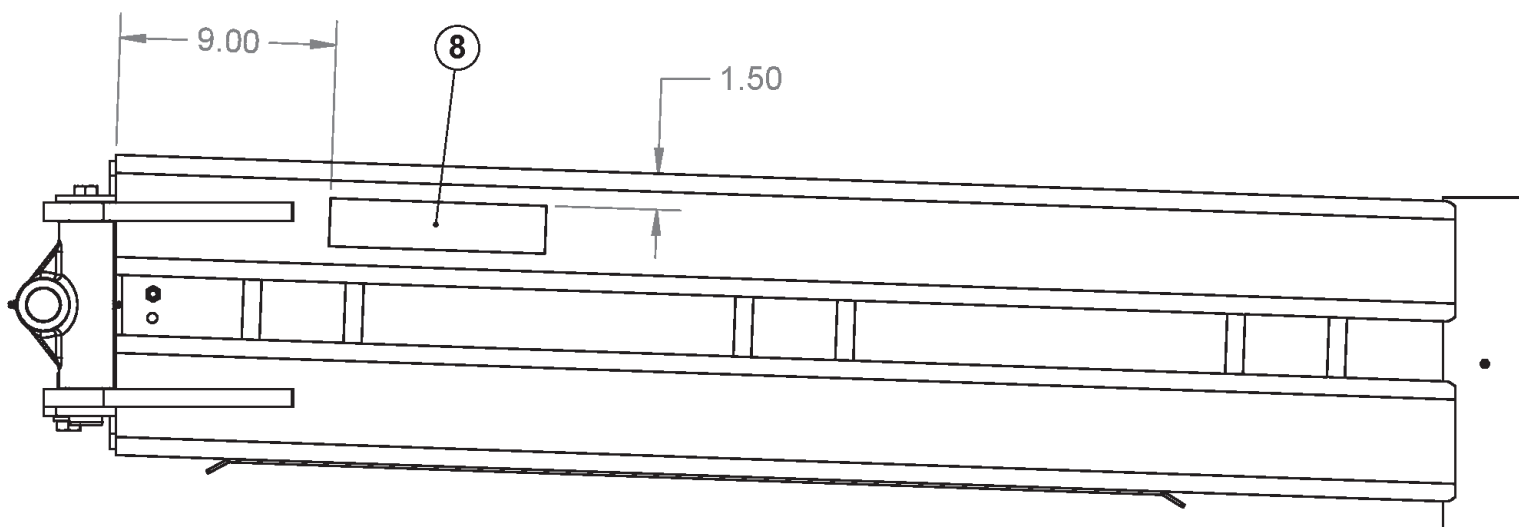


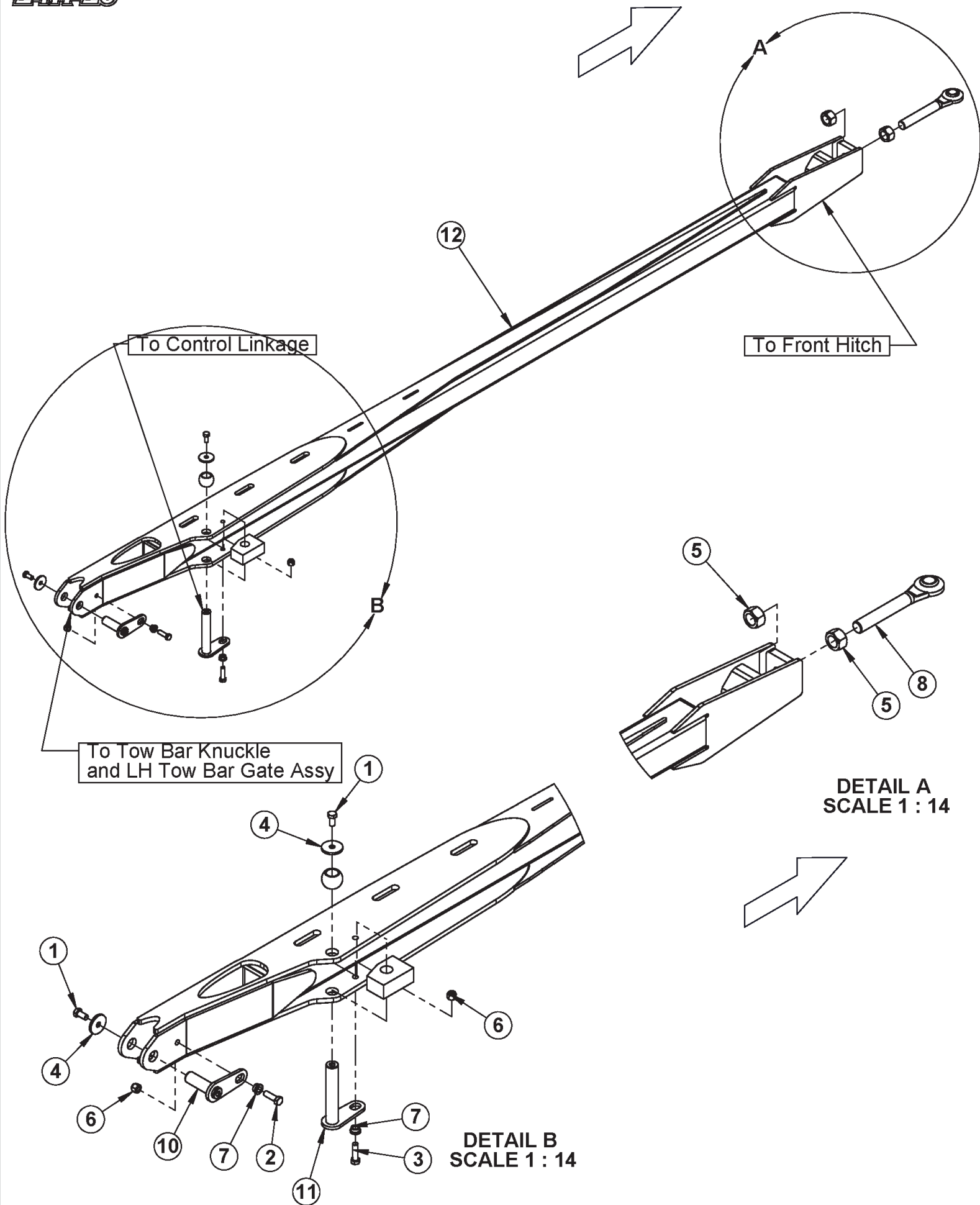
TA01382 Assy, Tow Bar Gate - LH

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001231	Wldmt, 24R20/22 LH Towbar Gate	1	
2	T0051481	Rubber Stop	1	
3	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
4	TW000761	Pin Weldment	1	
5	T0051585	2.00 Grease Seal	2	
6	T0052223	Tow Bar Knuckle Machined	1	
7	ZERK-0.250-28	Zerk, 1/4-28	3	
8	T0051729	Decal, Reflector, Yellow-2x9	1	
9	T0050854	Anti Rotation Insert	1	
10	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	1	
11	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	1	
12	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	1	
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
14	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
15	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	1	
16	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	1	

Note:

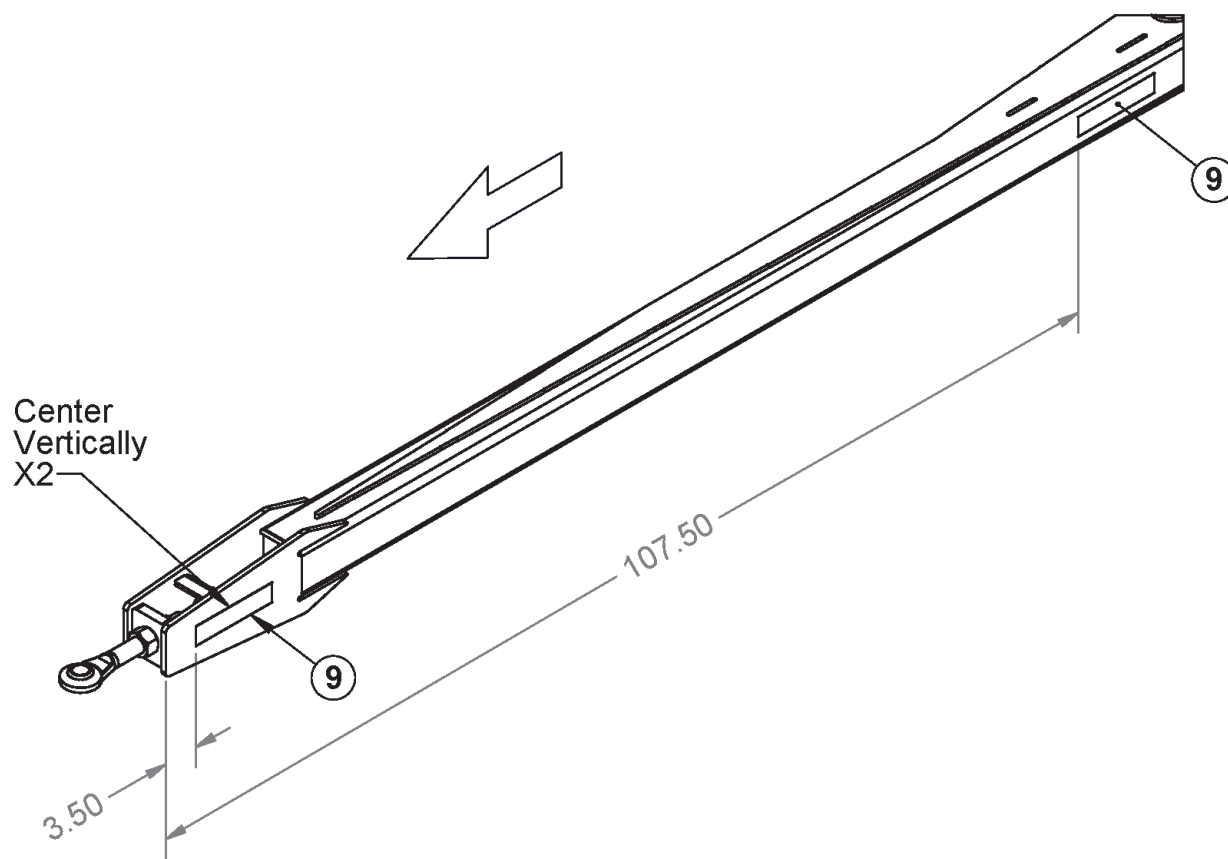
1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

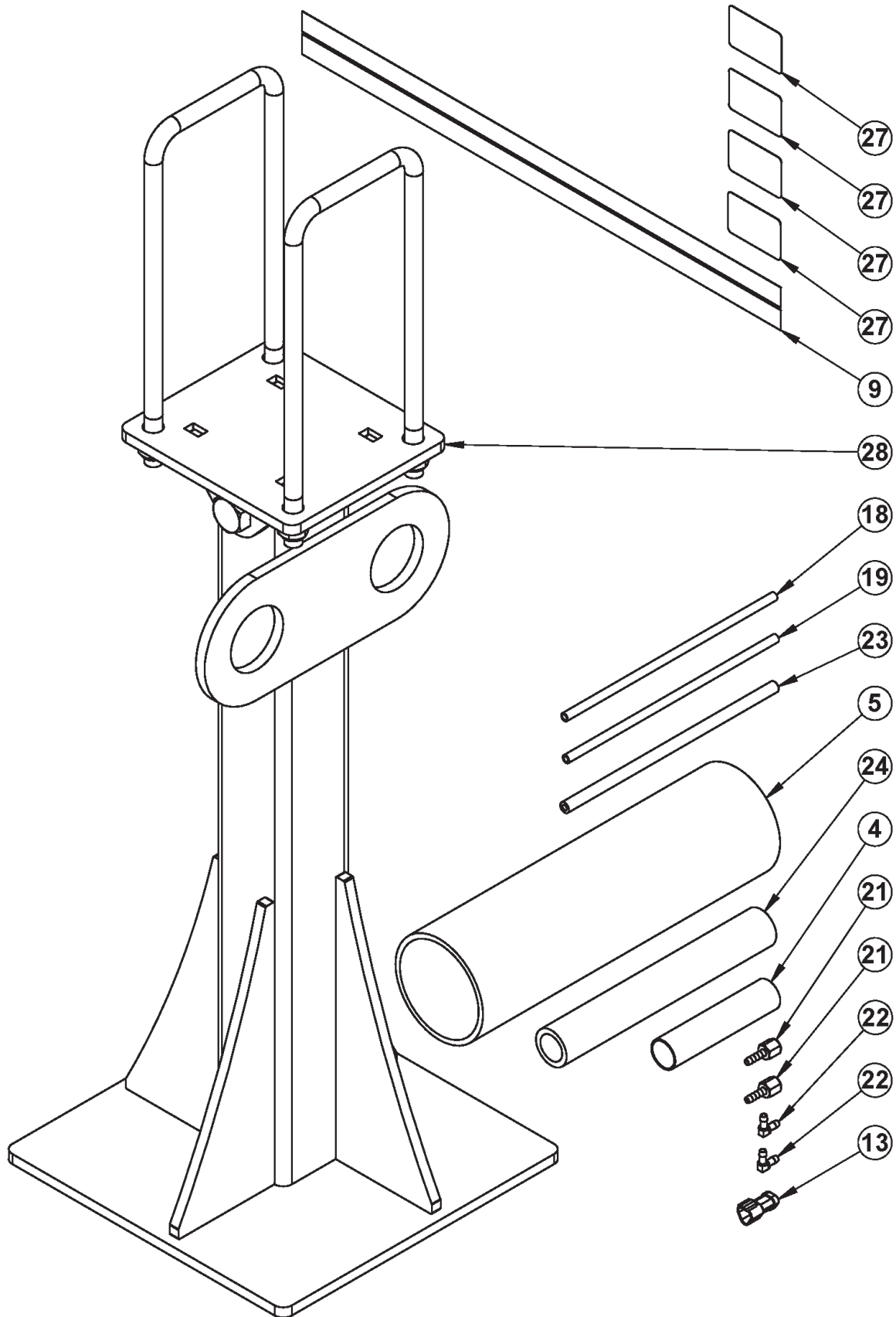




TA01384 Assy, Tow Bar

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
2	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	1	
3	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
4	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	
5	HNUT-1.500-6Y8	Nut, Hex 1-1/2-6 YZ8	2	
6	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	2	
7	T0050854	Anti Rotation Insert	2	
8	T0051213	RH End Link	1	
9	T0051729	Decal, Reflector, Yellow-2x9	2	
10	TW000763	Pin Weldment	1	
11	TW000894	Pin Weldment	1	
12	TW001234	Wldmt, 24R20/22 Tow Bar	1	
13	T0053376	Block, Tow Bar	1	



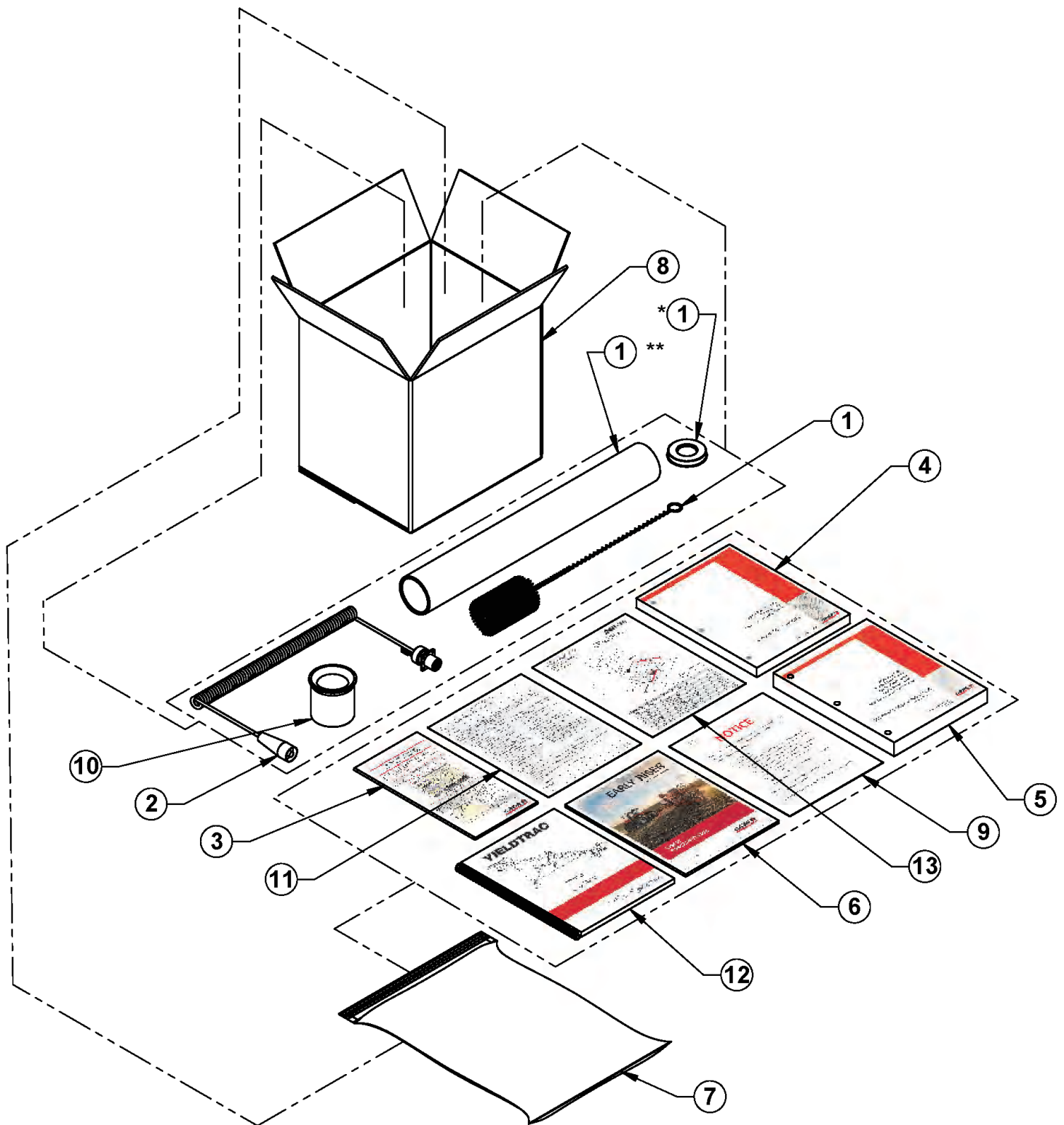


TA02083 Assy, Bulk Material 24R22 FF 2000

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47684480	Harness, Hitch Ext 126"	1	
2	73341728	Bulk Oil, UltrAction (per gal)	20	
3	T0051552	Sticker-Tite Rubber Gasket Cut Length 36.63"	25	
4	T0051572	Hose Sleeve - 1.25" ID x 6.00"	24	
5	T0051671	Hose, Vacuum 4.5" (per ft)	10	
6	T0051672	Hose, 1.00" PVC (per ft)	400	
7	T0052516	Gear Lube 80W90 (per gal)	1	
8	T0052528	Spiral Poly Wrap 1.00 (per ft)	40	
9	T0052540	Decals, 24 Row Unit Numbers	1	
10	T0055628	Harness, Backbone Adapter	23	
11	T0055629	Harness, UCM CAN Adapter	1	
12	T0055630	Harness, PDM Adapter	1	
13	T0055634	Connector, Terminator	1	
14	T0055645	Harness, Toolbar FF 2000 Series	1	
15	T0055646	Harness, Frame Front Fold 2000 Series	1	
16	T0055672	Harness, Row Lift	1	
17	T0055685	Harness, Hitch ISO 2000 Series	1	
18	T0055739	Air Line, 0.375" White (per ft)	75	
19	T0055740	Air Line, 0.375" Blue (per ft)	75	
20	T0056002	Harness, Warning Lights	2	
21	T0056058	Hose Barb, Brass 1/4" Hose x 1/4" NPT	2	
22	T0056061	Elbow, Vacuum Tap	2	
23	T0056062	Hose, 1/4" Clear Vinyl (per ft)	6	
24	T0056097	Hose, Vacuum 1.25" (per ft)	5	
25	T0056203	Harness, Row Lift Fold Sensor	1	
26	T0056204	Harness, Row Lift Fold Indicator	1	
27	T0056209	Decal, Row Cleaner Float	4	
28	TA01705	Assy, Shipping Stand	1	
29	TA02084	Hose Kit, Base 24R22 FF 2000	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.



TA01949 Operator's Package FF 2000 (All Models)

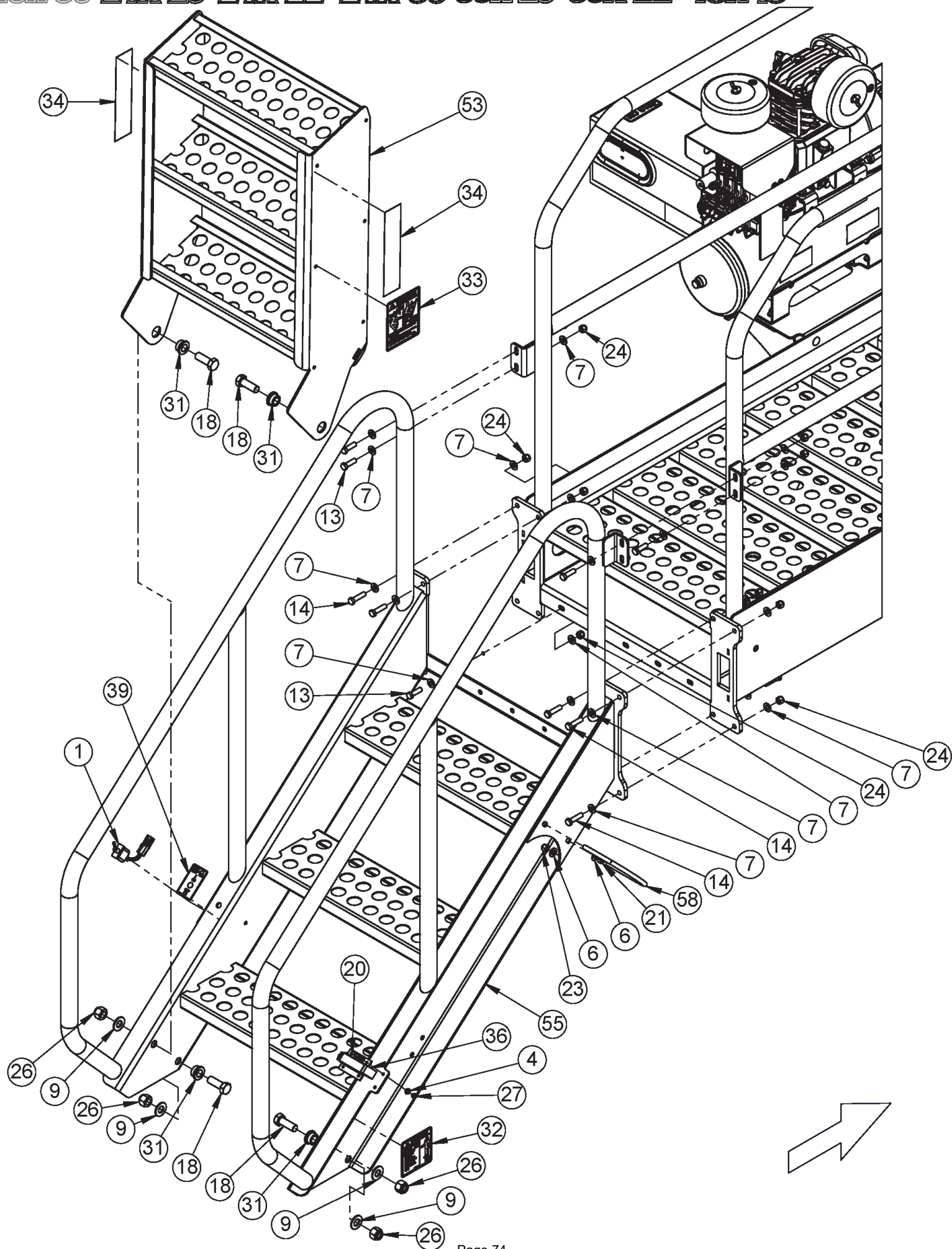
ITEM	PART NUMBER	DESCRIPTION	QTY
1	346290A1	Brush, Seed Tube	1
2	1983416C2	Switch, Remote Calibration Tether	1
3	48061676	Early Riser AFS QRC (2000)	1
4	48127011	2150 24R Operator's Manual	1
5	51409491	Planter Software Manual v31.* (2000)	1
6	PL-3106-18	Early Riser Productivity Tips 2000	1
7	T0051793	Bag, Recloseable-13"x18" 6Mil	1
8	T0051794	Box, Cardboard 12X10X12	1
9	T0052697	Notice, Track Alignment	1
11	T0055155	Chcklst, PDI&Startup	1
12	T0056008	Manual, Operator's MY2019 2000 RU	1
13	T0056009	Chklst, Oper Pkg FF 2000 (All Models)	1

* Denotes that the cap comes with the seed tube brush.

** Denotes that tube comes with the seed tube brush.

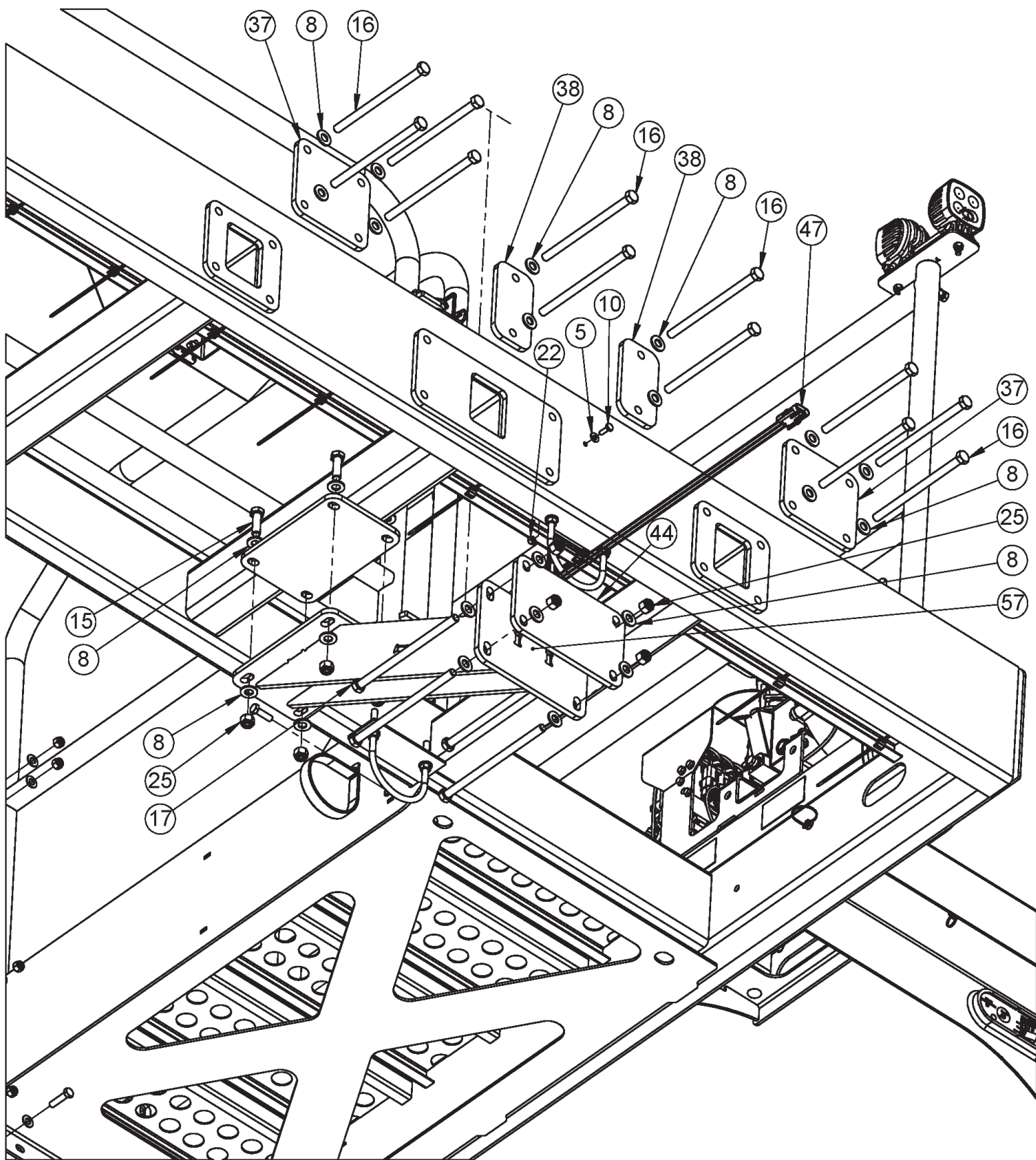
Optional Items For 36 Row or Larger

ITEM	PART NUMBER	DESCRIPTION	QTY.
10	T0053965	Bushing, Cat 5 2.00" Pin	1

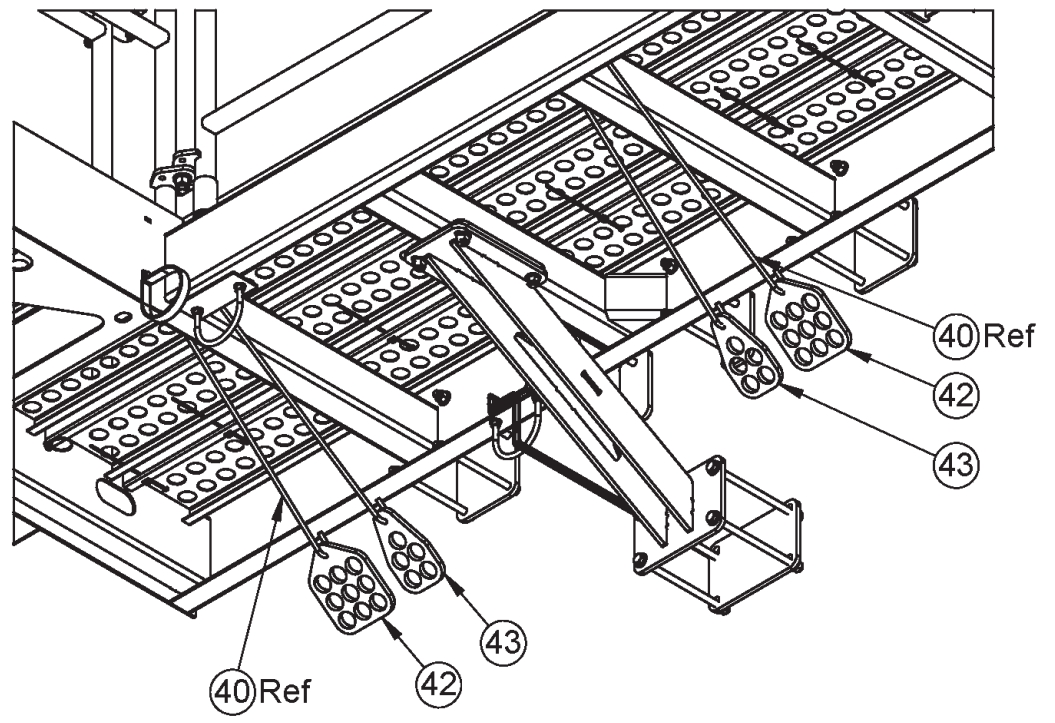


TA01946 Assy, Ladder Platform

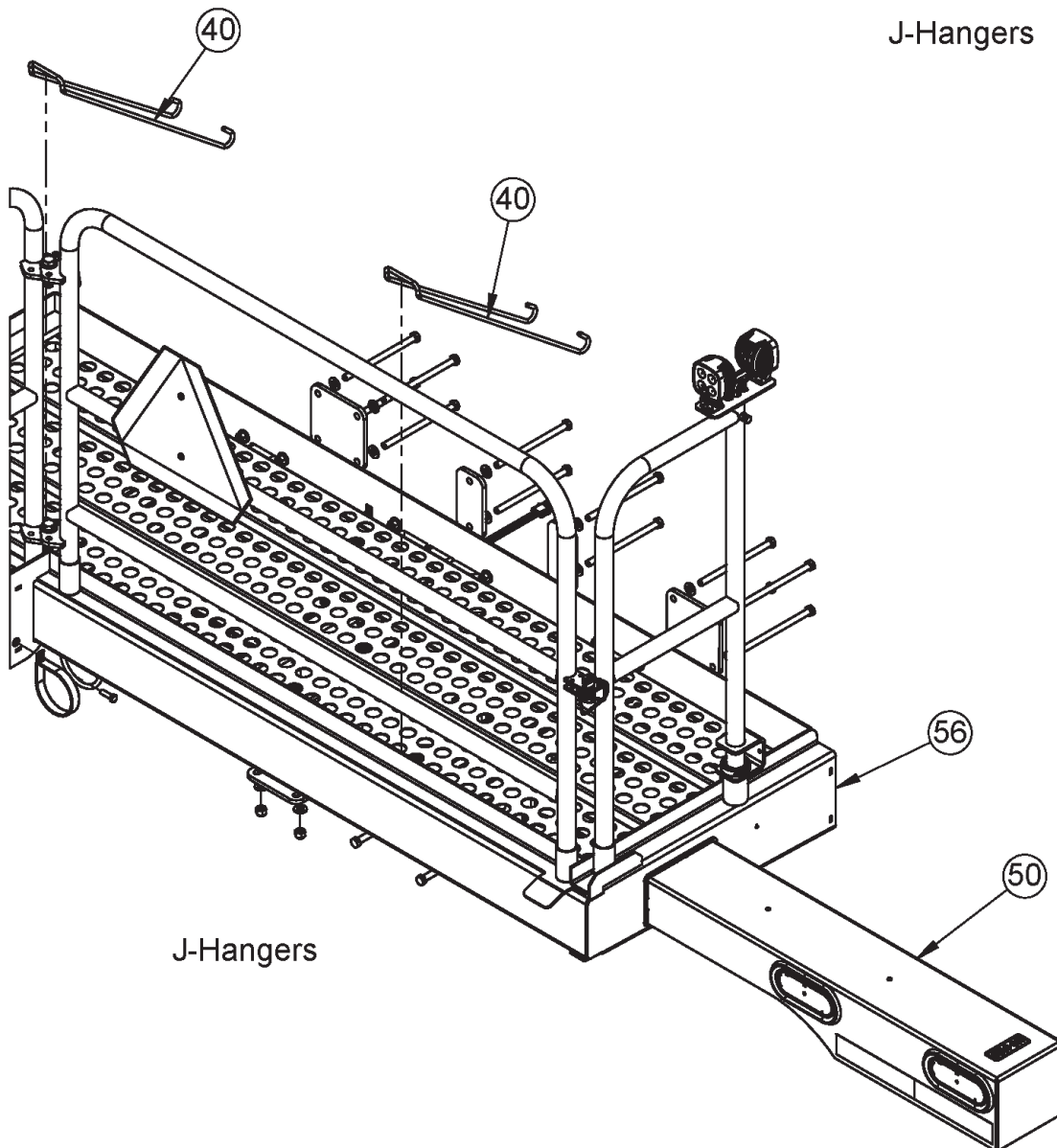
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	391062A1	Switch, On/Off	1	
2	CBLTIEMT-.256-.276-HL	Assy,CableTie Mnt .031-.276 PT	4	
3	EDGCLP-CBLTIE-.04-.18	Edge Clip, W/CblTie PT.04-.18	10	
4	FW-SAE-#10C	Washer, Flat SAE #10 CZ	4	
5	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	5	
6	FW-SAE-0.375SS	Washer, Flat SAE 3/8" SS	12	
7	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	34	
8	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	40	
9	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
10	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	1	
11	HB-0.250-20X1.00Y8	Bolt, Hex Hd 1/4-20x1-YZ8	2	
12	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
13	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	10	
14	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	8	
15	HB-0.500-13X1.63Y8	Bolt, Hex Hd 1/2-13x1-5/8 YZ8	4	
16	HB-0.500-13X8.00Y8	Bolt, Hex Hd 1/2-13x8 YZ8	12	
17	HB-0.500-13X9.00Y8	Bolt, Hex Hd 1/2-13x9 YZ8	4	
18	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	4	
19	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
20	HB-10-24X0.75C2	Bolt,HexHd 10-24x3/4 Cl Zc Gr2	4	
21	HNUT-0.375-16SS	Nut, Hex 3/8-16 SS	6	
22	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	3	
23	NLNUT-0.375-16SS	Nut, Nylock -3/8"-16-SS	6	
24	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	17	
25	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	20	
26	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	6	
27	NLNUT-10-24C	Nut, Nylock 10-24 CZ2	4	
28	PCLMP-4.000x2.56	Clmp, Cus Pipe Ø4x2-9/16	1	
29	RN-0.375-16-.15-.31Y	Rivnut, 3/8-16 .150-.312 YZ	5	
30	SFTCOLLAR-1.500BO	Collar, Shaft 1-1/2 Blck Oxide	1	
31	T0050854	Anti Rotation Insert	6	
32	T0051589	Decal, Warning-Chemical Hazard	1	
33	T0051596	Decal, Warning - Ladder Lowering	1	
34	T0051729	Decal, Reflector,Yellow-2x9	2	
35	T0052167	Cap, Tube Ø1.50 Vinyl	3	
36	T0052227	Latch,Flush Fngr Pull Slim 25#	1	
37	T0052241	Plate, Ladder Attachment	2	
38	T0052242	Plate, Ladder Attach	2	
39	T0052291	Decal, Ladder Platform Lights	1	
40	T0052570	J Hanger, Double Straight	2	
41	T0052571	Seed Hose Hanger, Stub Arm	2	
42	T0052572	Seed Hose Hanger, Middle	2	
43	T0052573	Seed Hose Hanger, Middle Fr	2	
44	T0055786	Plate, Ladder Wldmt Bolt	1	
45	TA00678	Assy, SMV Sign	1	
46	TA00791	Assy, Lynch Pin & Lanyard	2	
47	TA00996	Harness, Bulk Fill Lights	1	
48	TA01247	Assy, Light Arm Extension	2	
49	TA01943	Assy, LH LED Taillight	1	
50	TA01944	Assy, RH LED Taillight	1	
51	TA01947	Assy, Air Compressor	1	
52	TW000753	Wldmnt, Railing Rear Hinged	1	
53	TW000762	Wldmt, Folding Step Ladder	1	
54	TW000877	Wldmnt, Railing Side-RH Rotating	1	
55	TW000917	Wldmt. Platform Stairs	1	
56	TW001369	Wldmt, Ladder Platform	1	
57	TW001413	Wldmt, Platform Strut	1	
58	UB-0.38X4.0X5.5-RC5	Ubolt, 3/8x4x5-1/2 RC5	3	



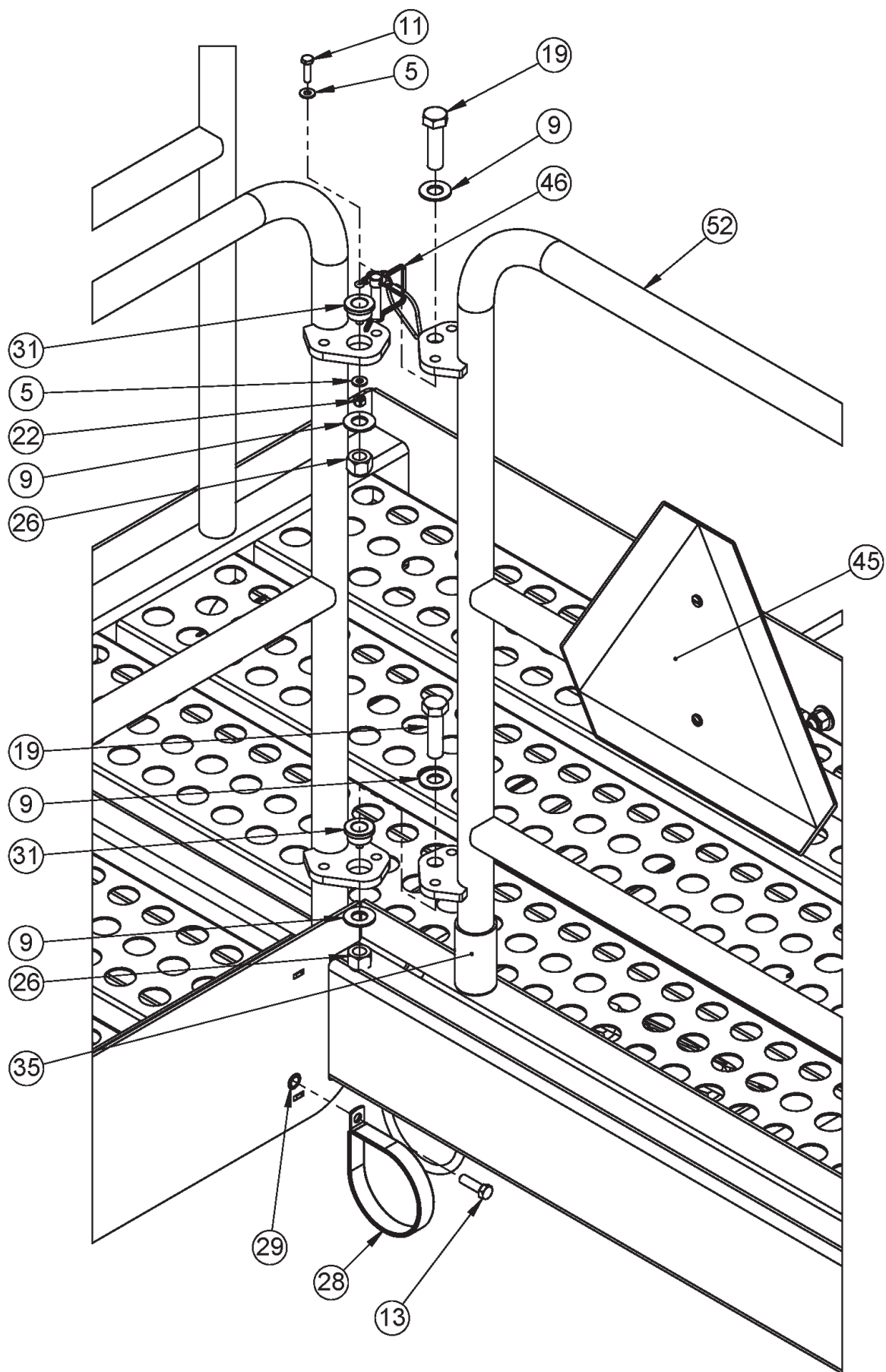
Platform Mounting

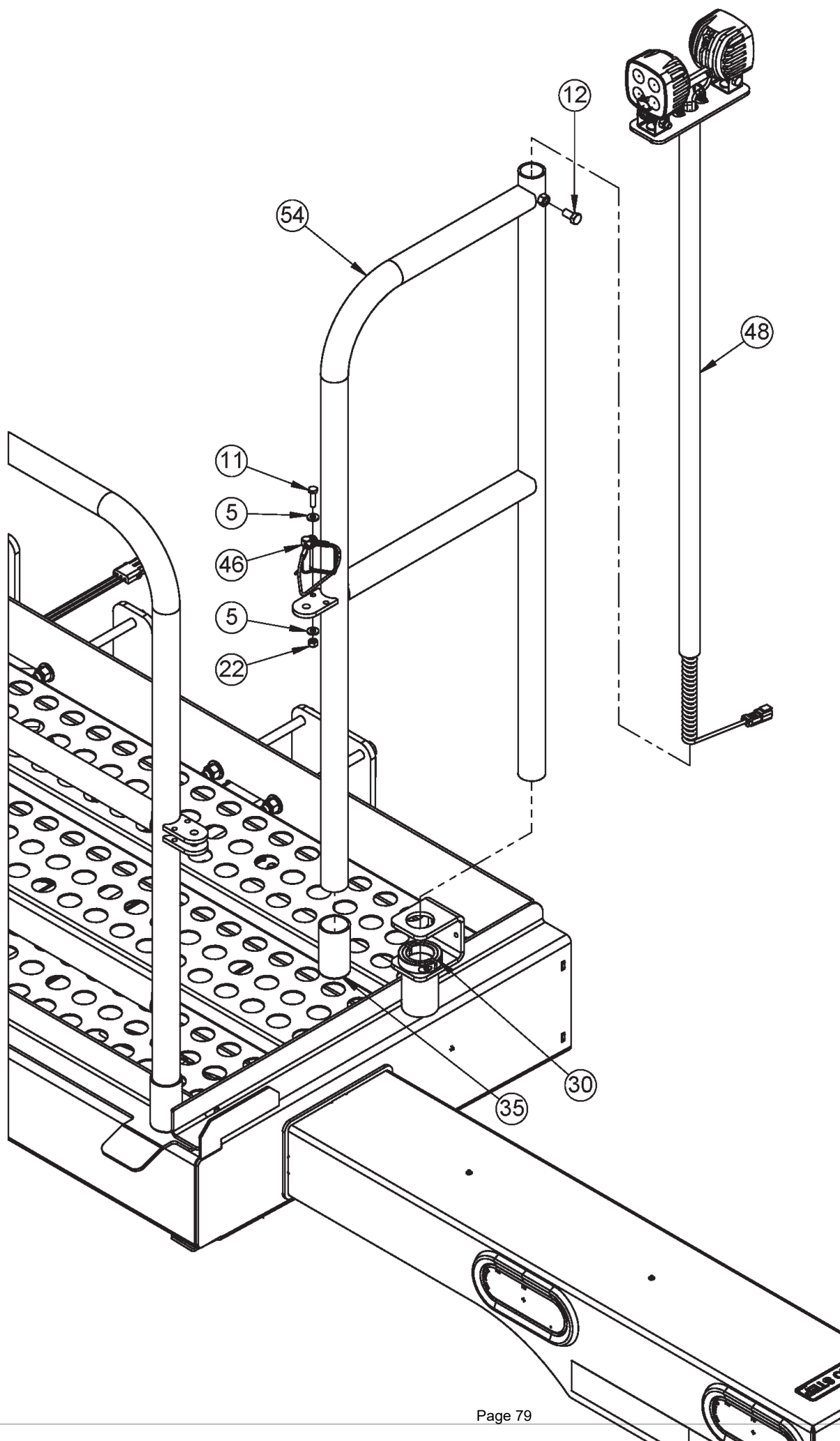


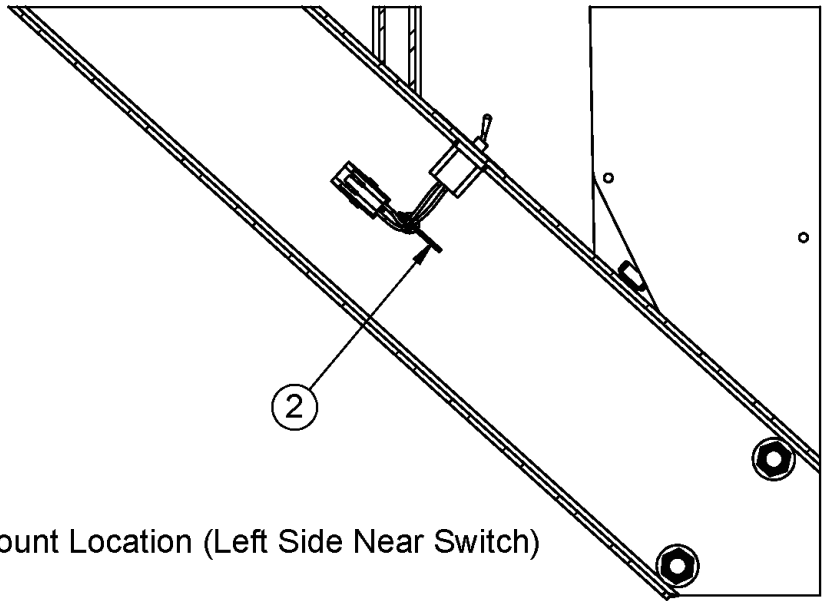
J-Hangers



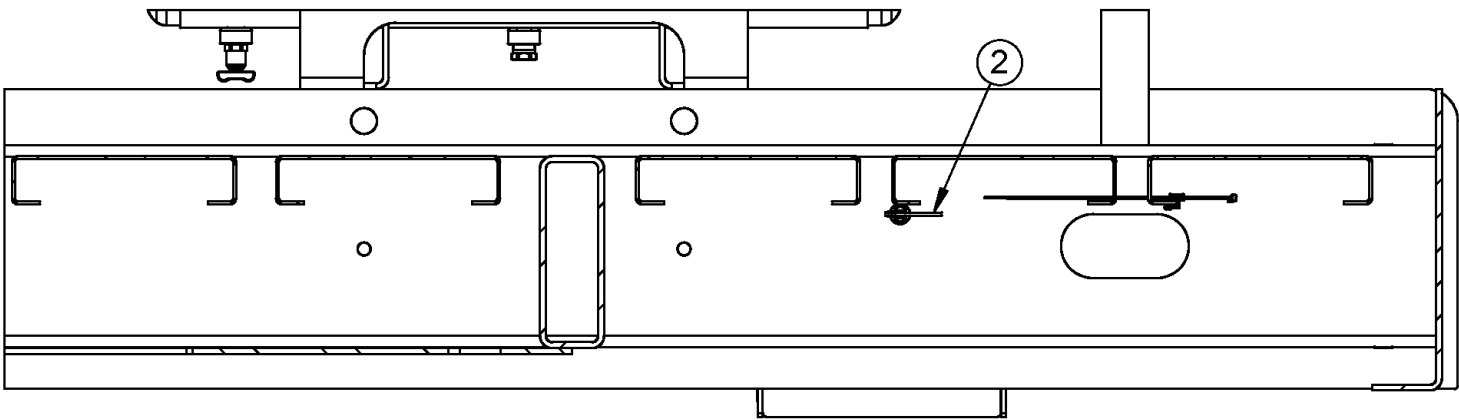
J-Hangers



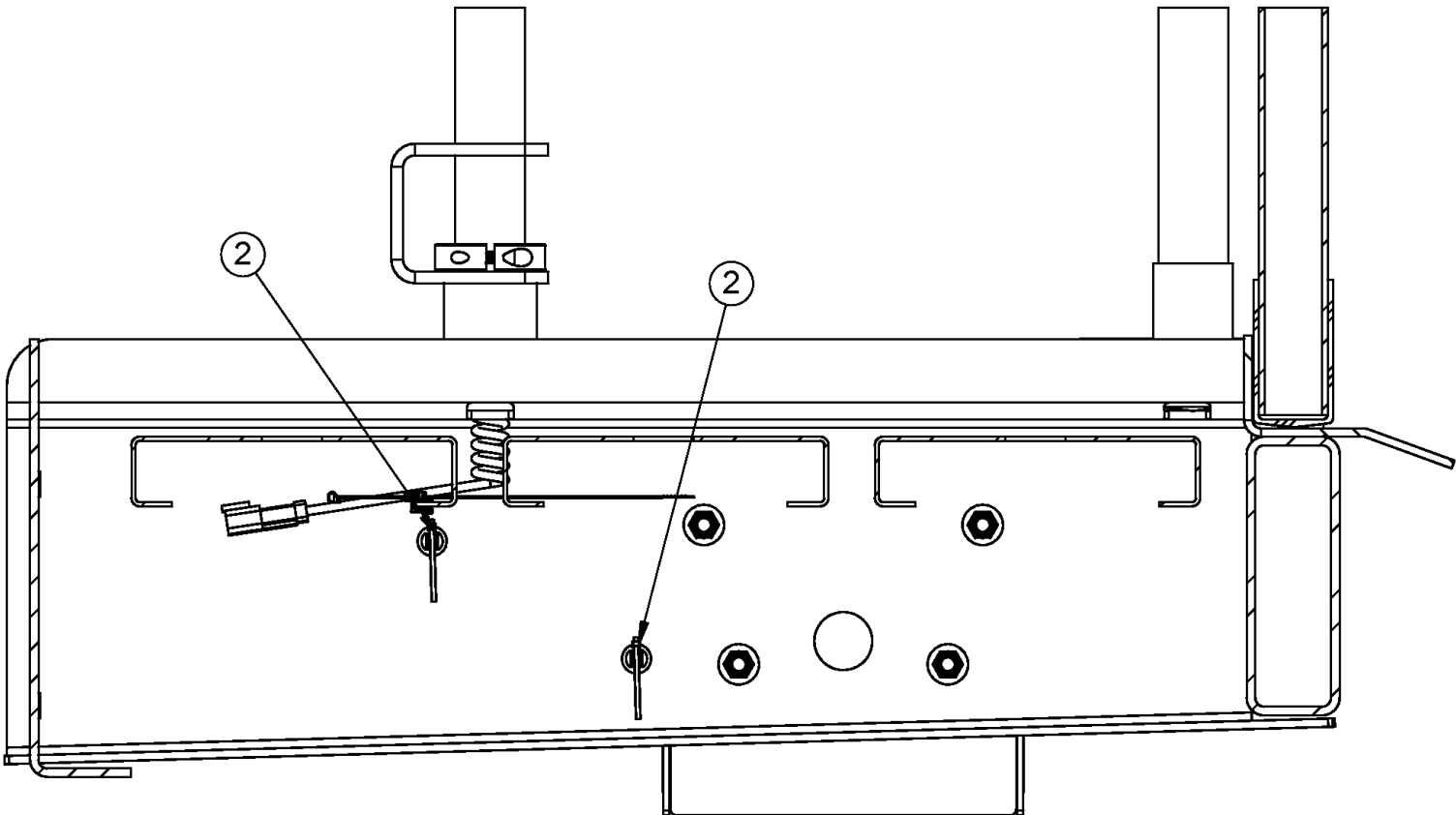




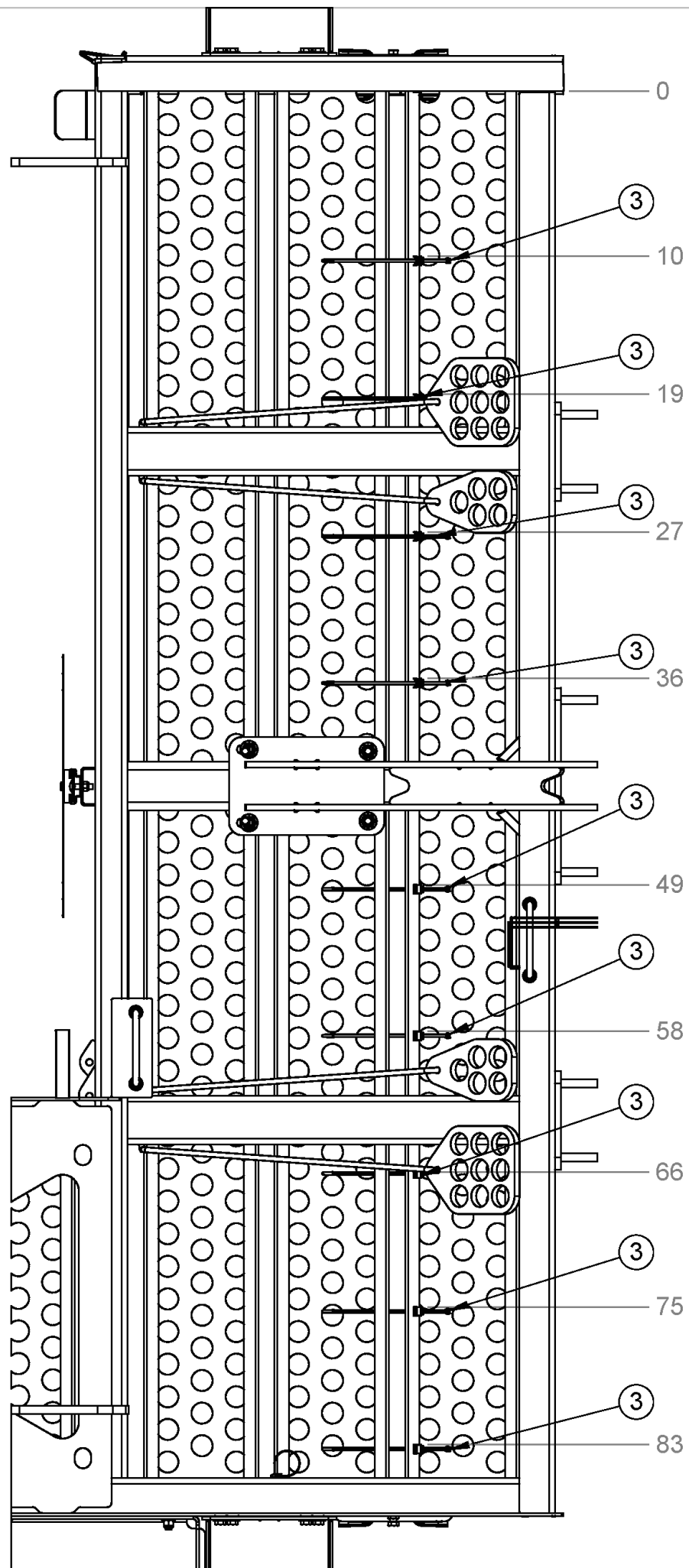
Cable Tie Mount Location (Left Side Near Switch)

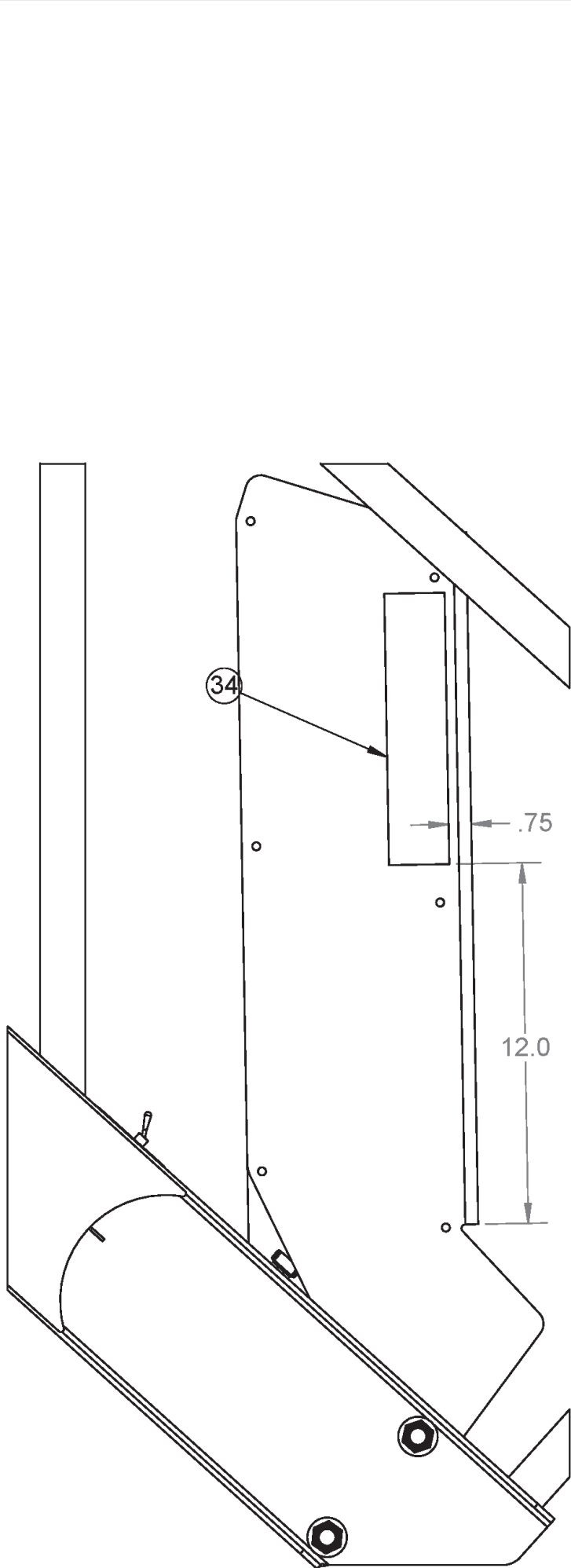


Cable Tie Mount Location (Left Side Looking Outwards)

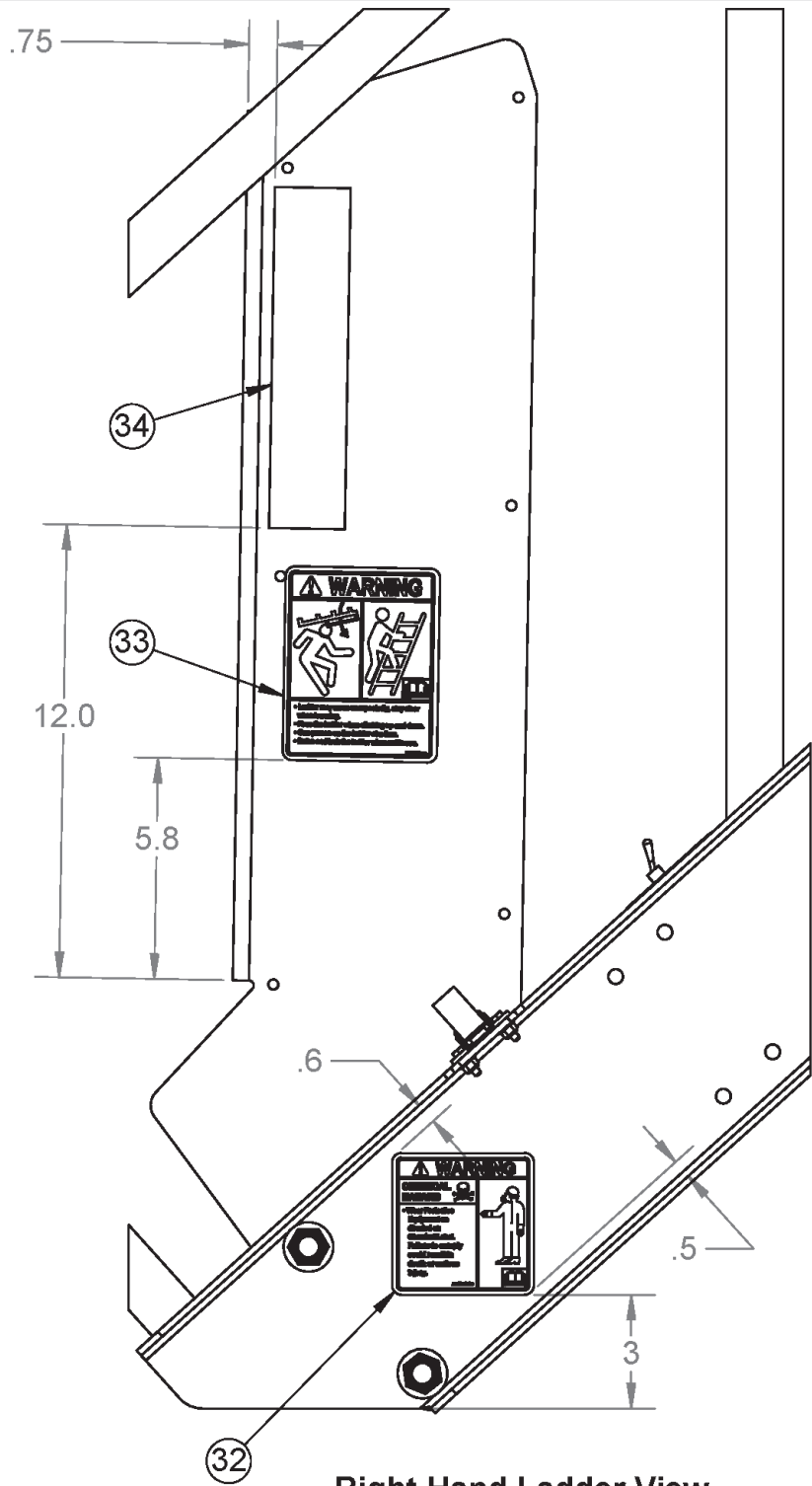


Cable Tie Mount Locations (Right Side, Looking Outward)

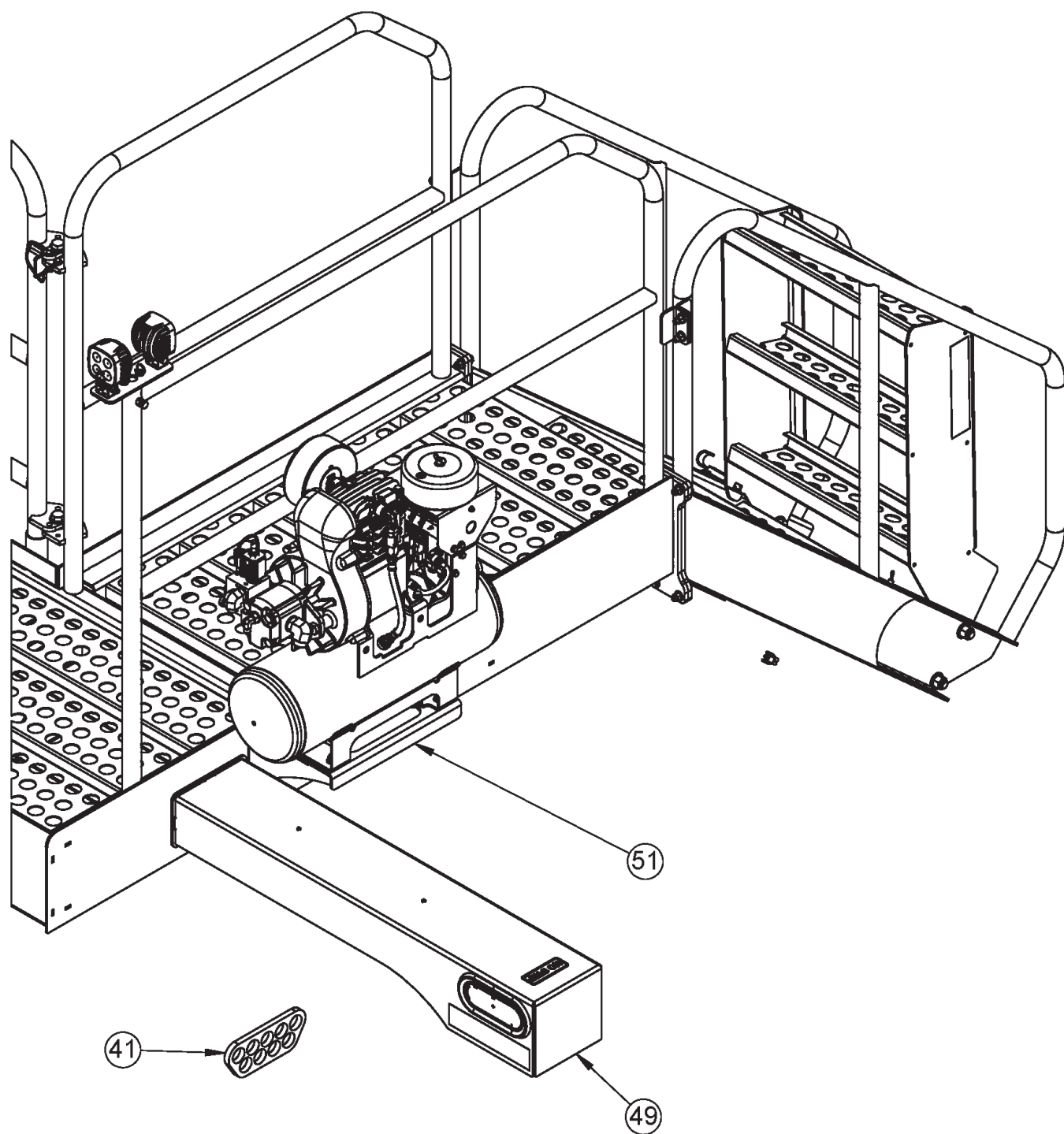


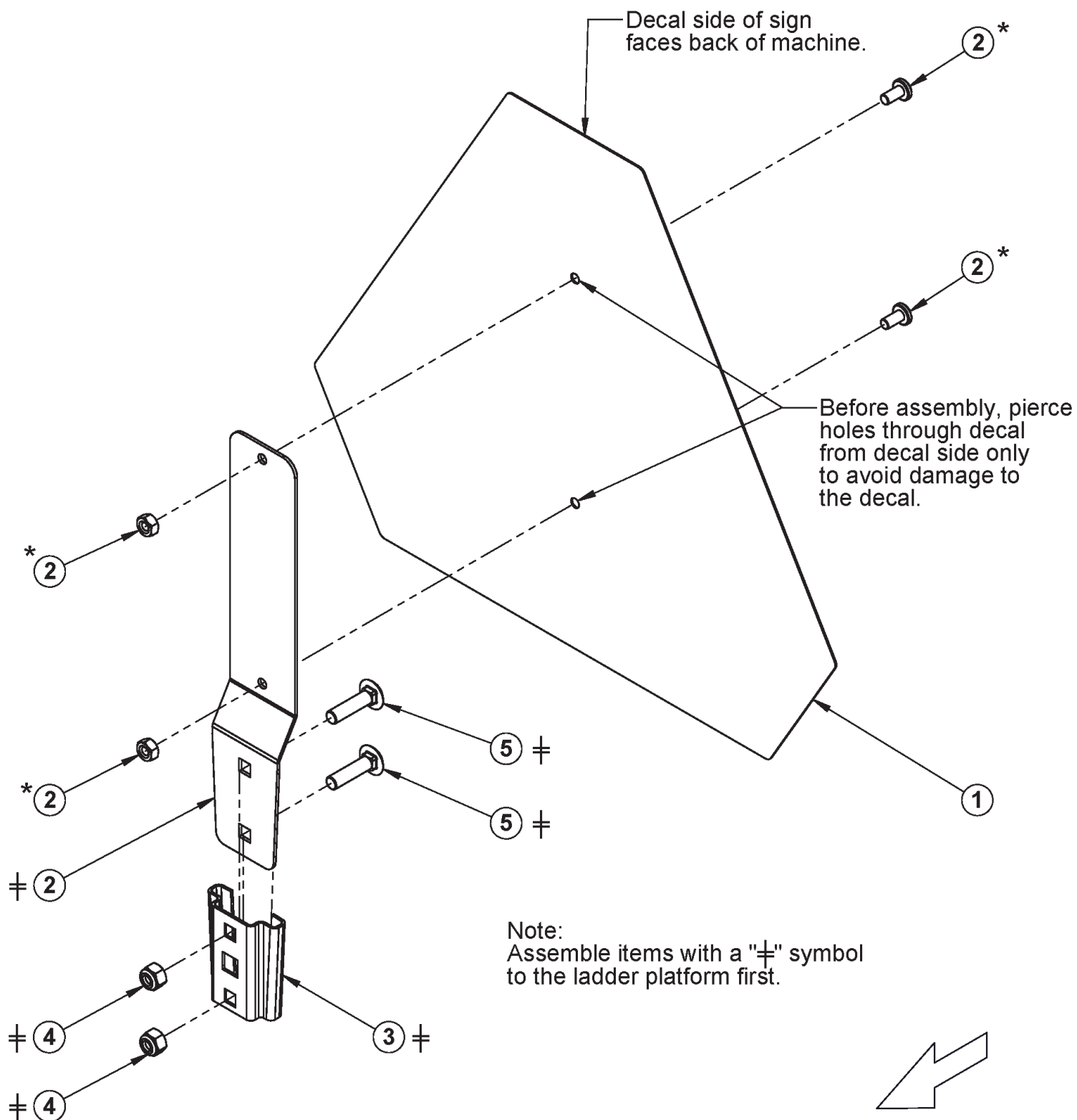


Left Hand Ladder View



Right Hand Ladder View

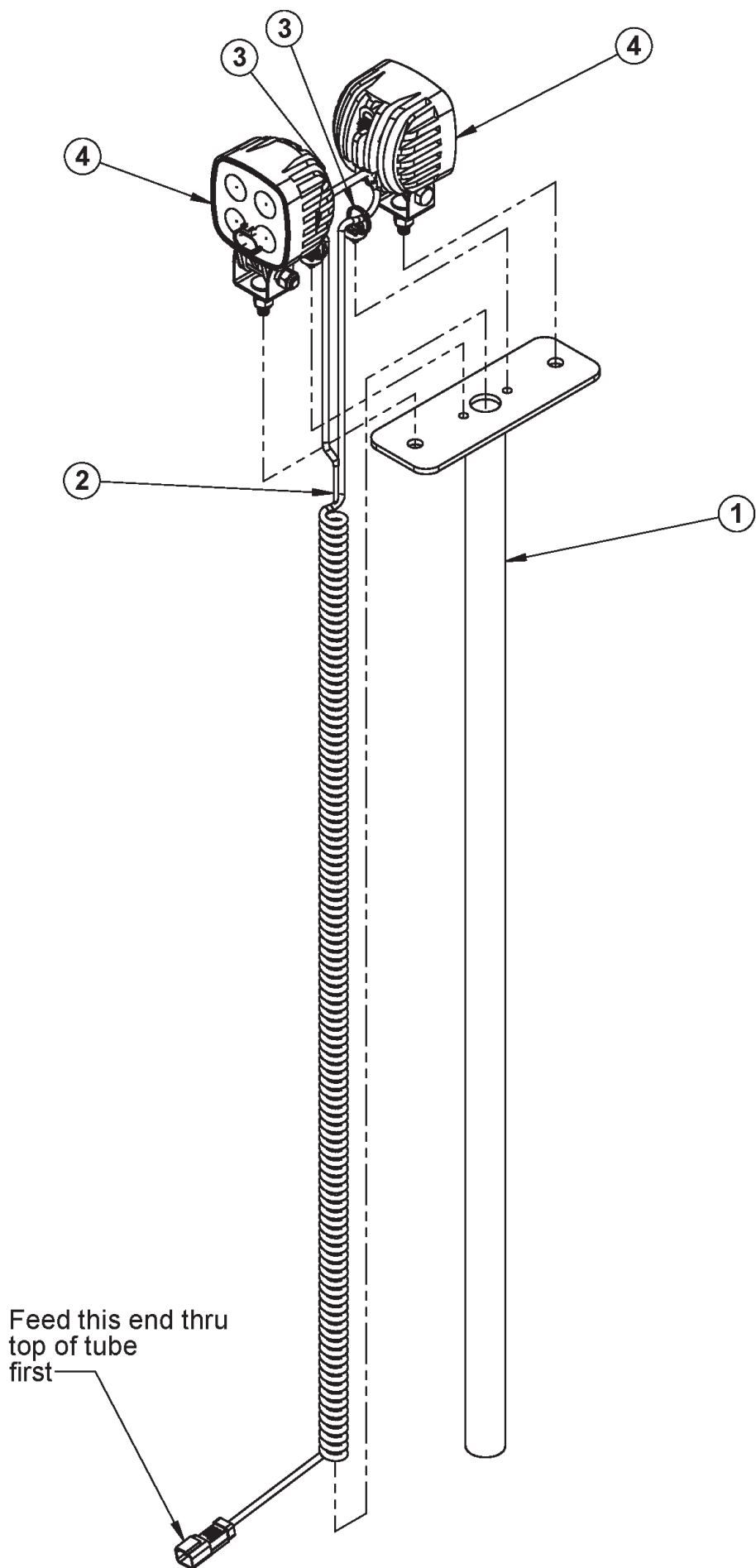




TA00678 Assy, SMV Sign

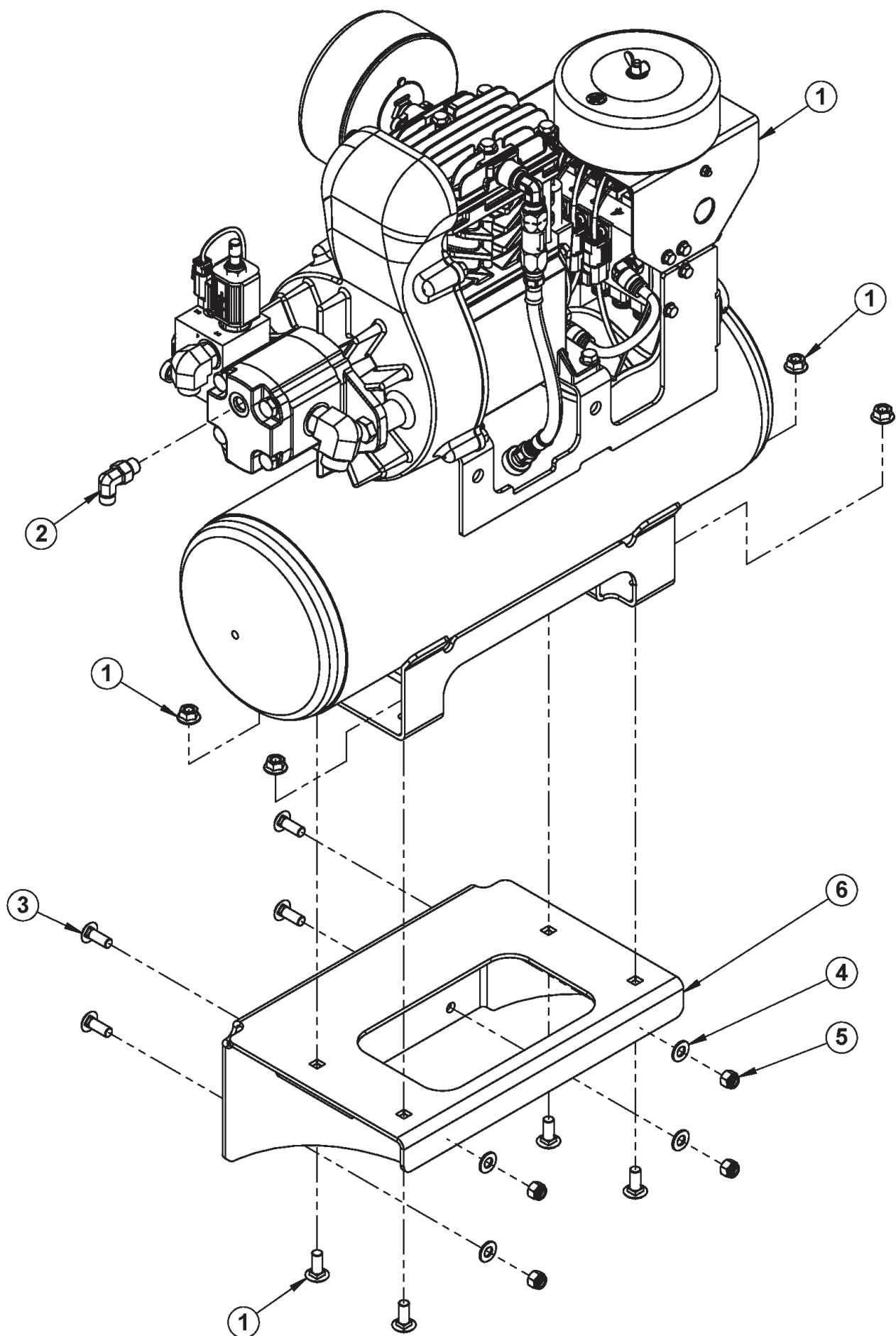
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA00670	Assy, SMV Plate w Decal	1	
2	TA00671	Assy, SMV Spade Mount	1	
3	T0051519	Receptacle, Female Spade SMV Sign	1	
4	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
5	CB-0.313-18X1.25C5	RHSNBOLT 5/16-18x1.25-CZ5	2	

* Items marked with an asterisk, are items that are supplied with P/N TA00671.



TA01247 Assy, Light Arm Extension

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW000875	Wldmt, Light Pole Bracket	1	
2	TA00995	Harness, Bulk Fill Light Ext	1	
3	CBLTIEMT-.256-.276-HL	Assy,CableTie Mnt .031-.276 PT	2	
4	TA01737	Assy, Work Light	2	

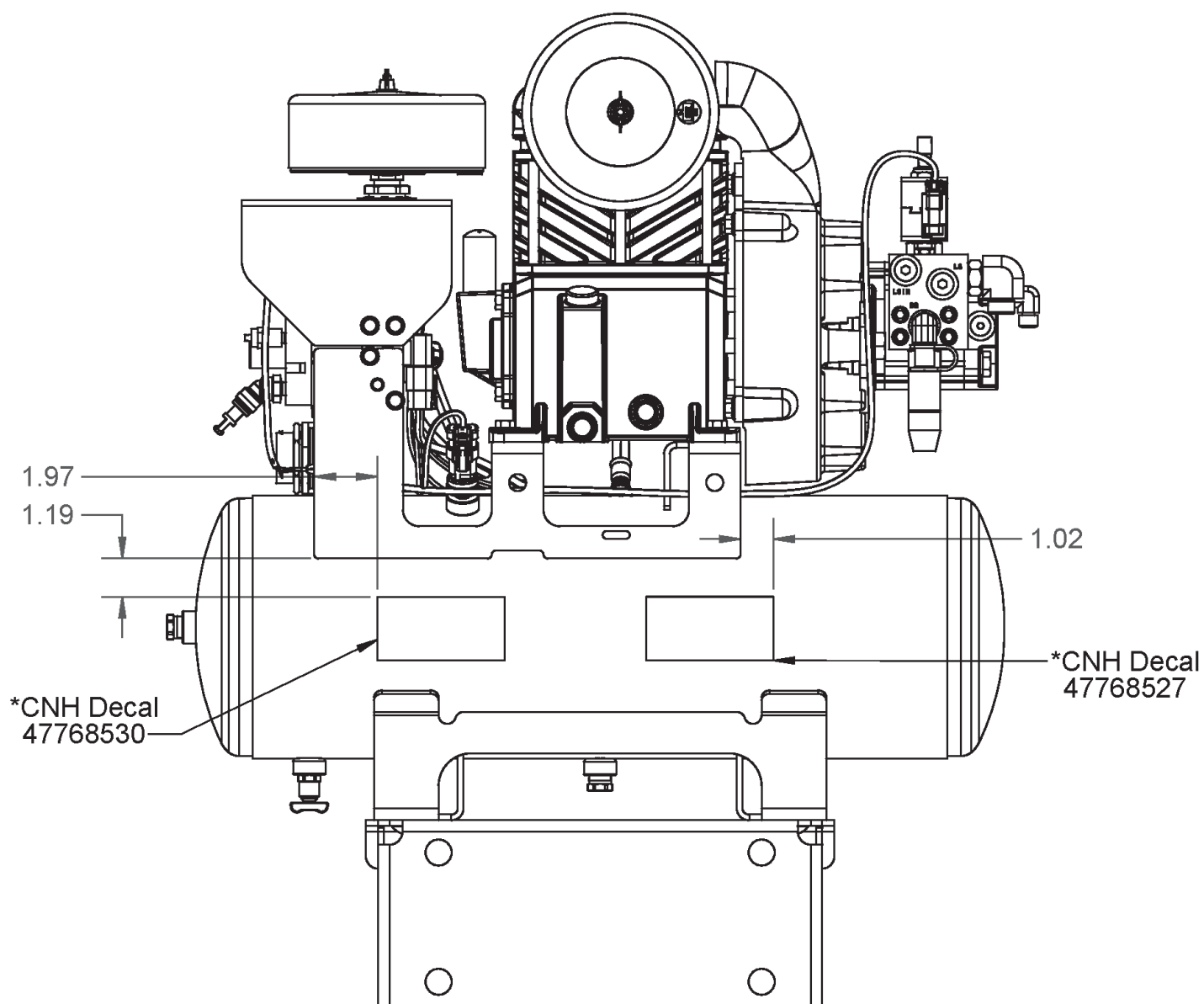


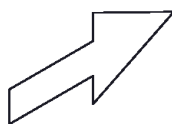
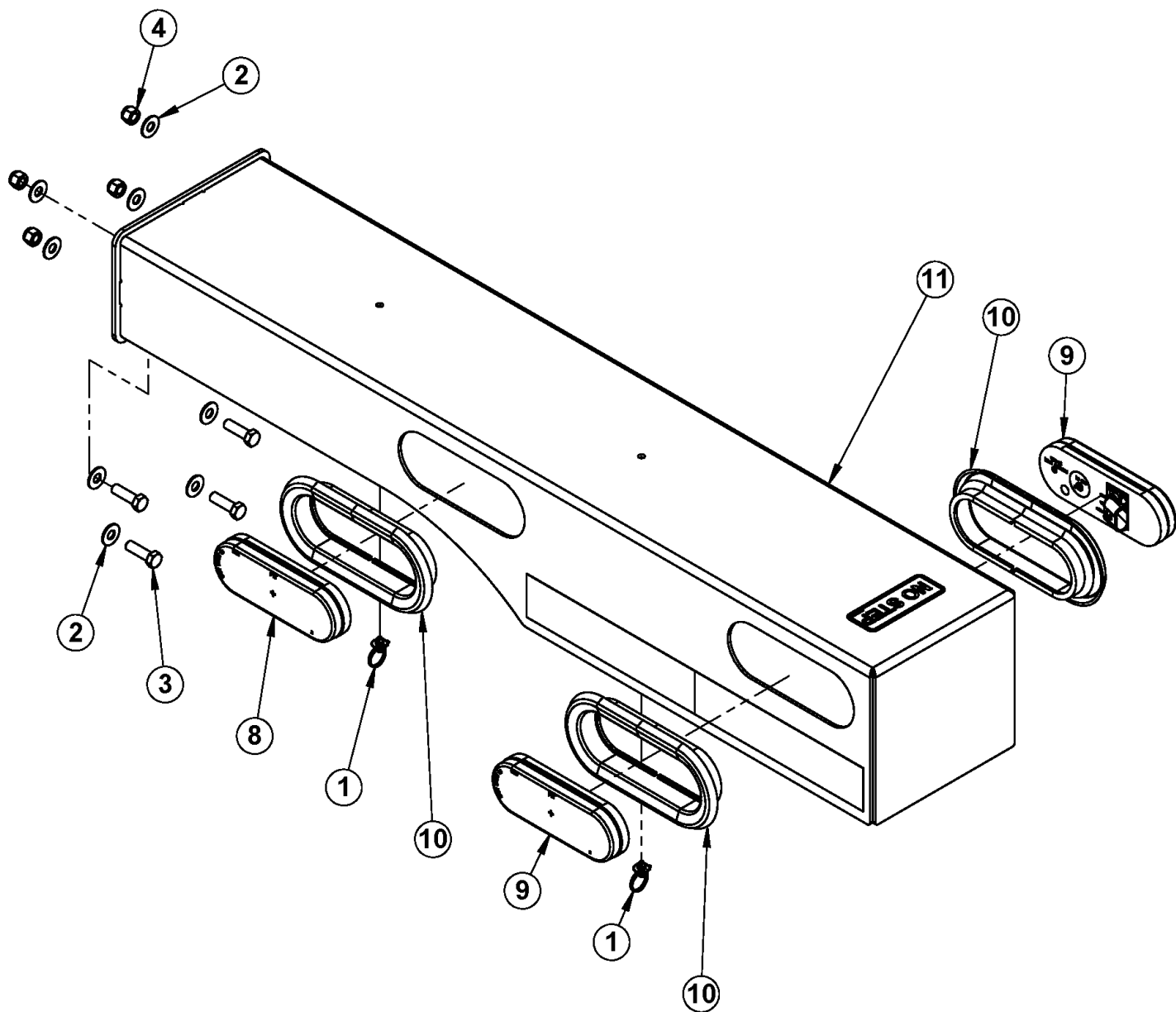
TA01947 Assy, Air Compressor

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	48103377	Hyd Air Compressor	1	
2	AD-04MFS-06MB-90	AD-04MFS-06MB-90	1	
3	CB-0.375-16X1.00Y5	RHSNBOLT 0.375-16x1.00-YZ5	4	
4	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
5	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
6	T0055604	Mount, Compressor	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified).
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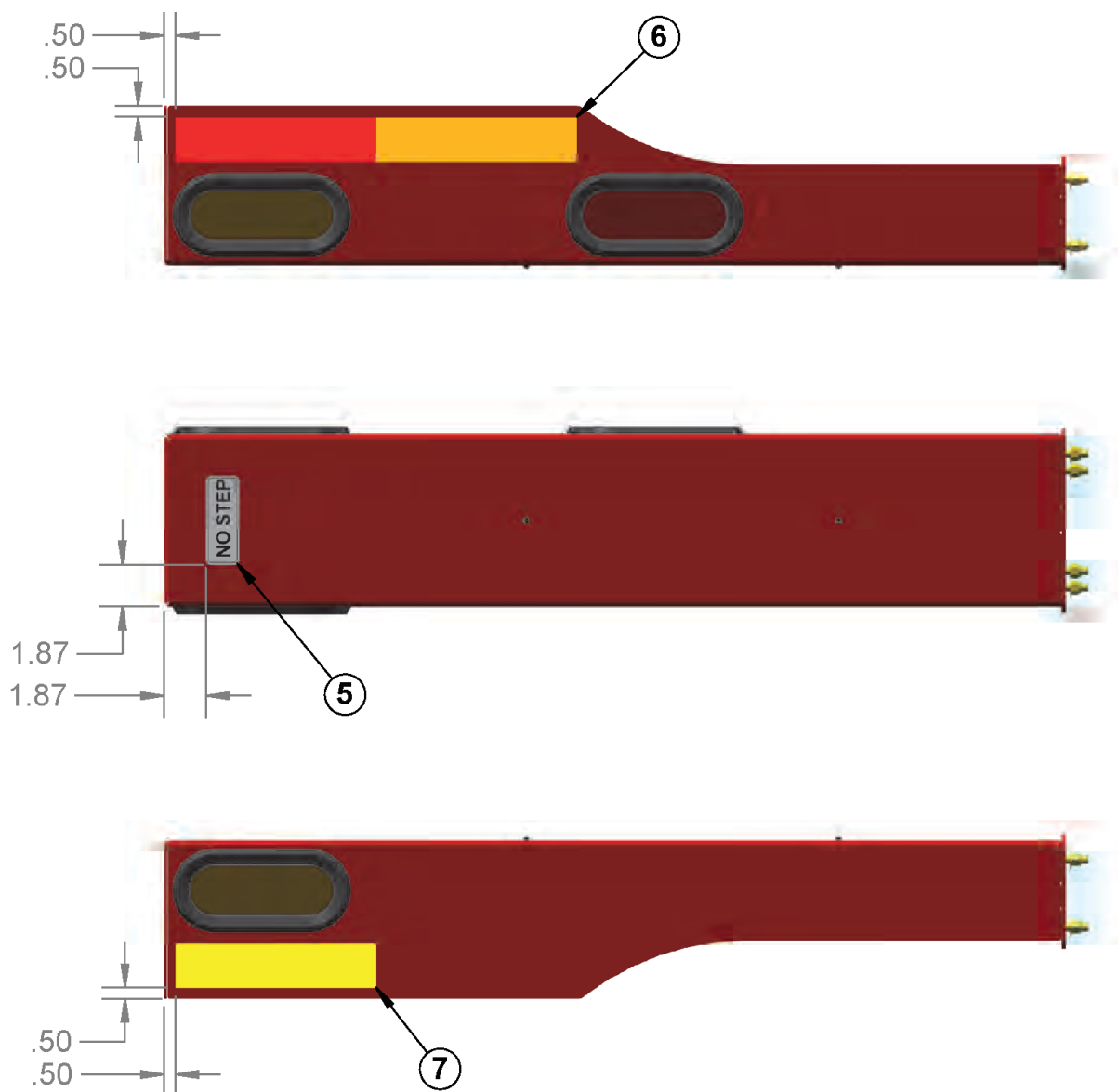


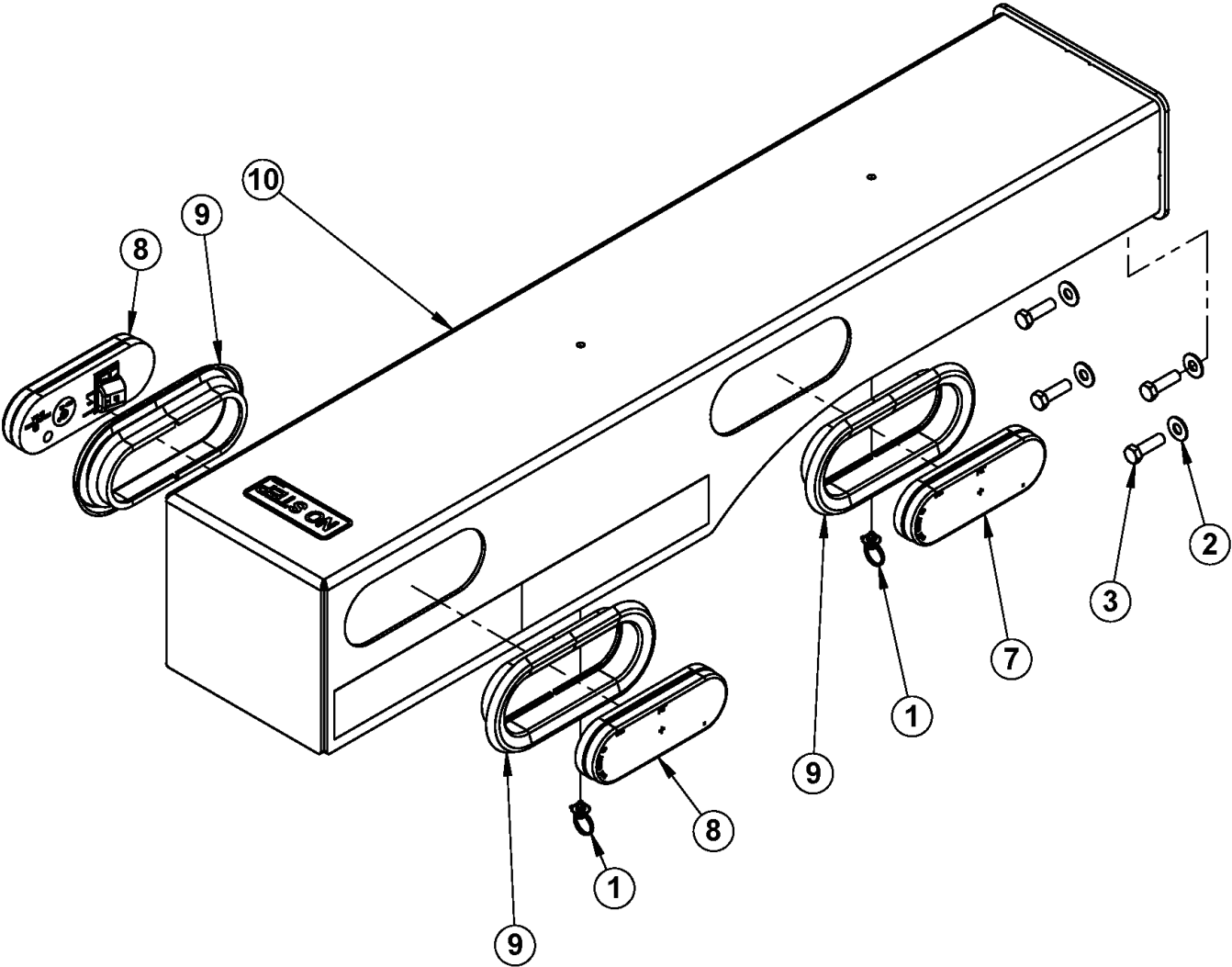
TA01944 Assy, RH LED Taillight

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CBLTIEMT-.256-.276-HL	Assy,CableTie Mnt .031-.276 PT	2	
2	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	8	
3	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	
4	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
5	T0051653	Decal, No Step	1	
6	T0051727	Decal, Refl Red,Orange-2x18	1	
7	T0051729	Decal, Reflector, Yellow-2x9	1	
8	T0056010	Red LED Light	1	
9	T0056011	Amber LED Light	2	
10	T0056012	Grommet, LED Light	3	
11	TW001464	Wdmt, RH Taillight Mount	1	

Note:

1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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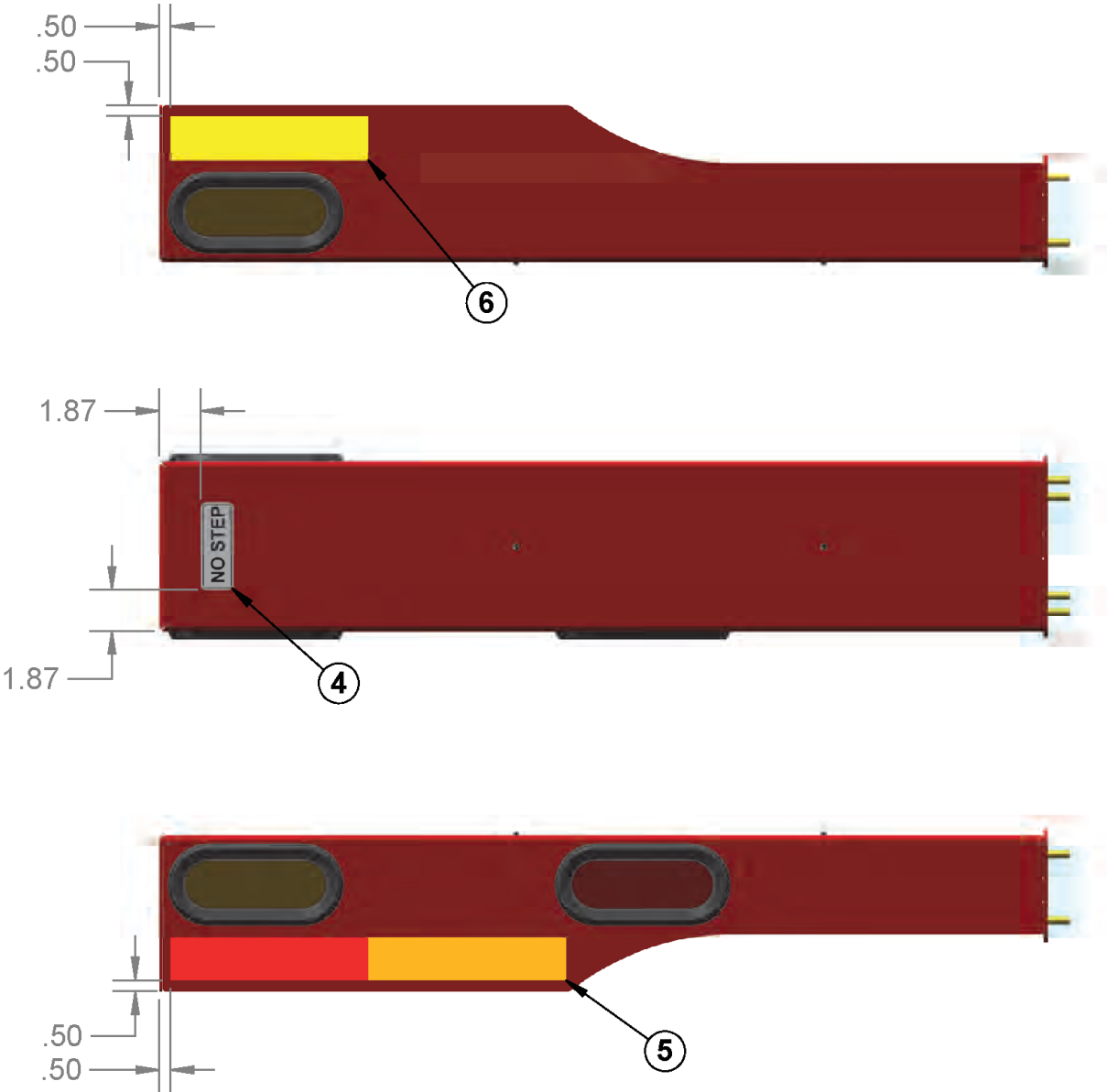


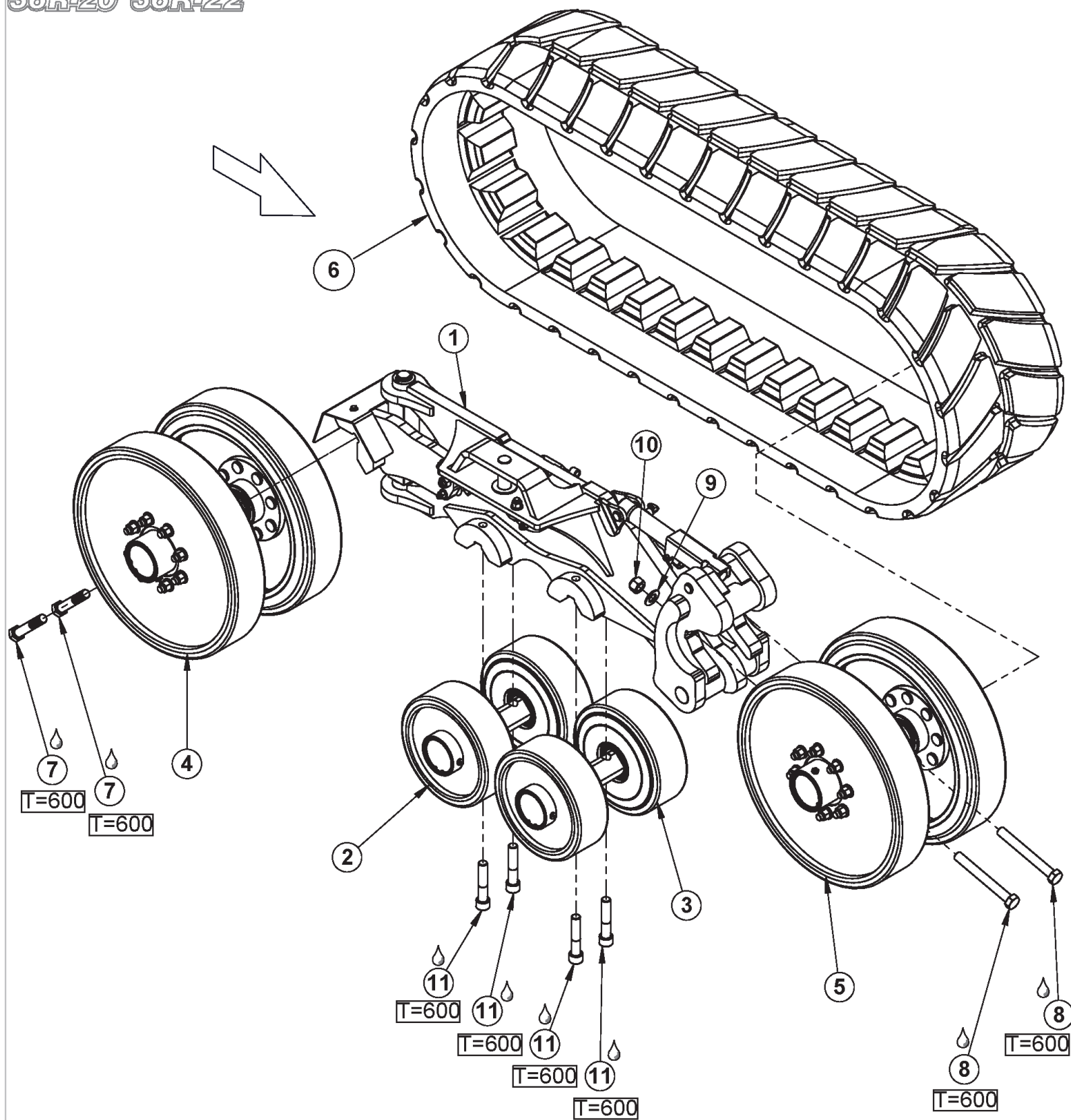
TA01943 Assy, LH LED Taillight

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CBLTIEMT-.256-.276-HL	Assy,CableTie Mnt .031-.276 PT	2	
2	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	4	
3	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	
4	T0051653	Decal, No Step	1	
5	T0051727	Decal, Refl Red,Orange-2x18	1	
6	T0051729	Decal, Reflector,Yellow-2x9	1	
7	T0056010	Red LED Light	1	
8	T0056011	Amber LED Light	2	
9	T0056012	Grommet, LED Light	3	
10	TW001463	Wldmt, LH Taillight	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.



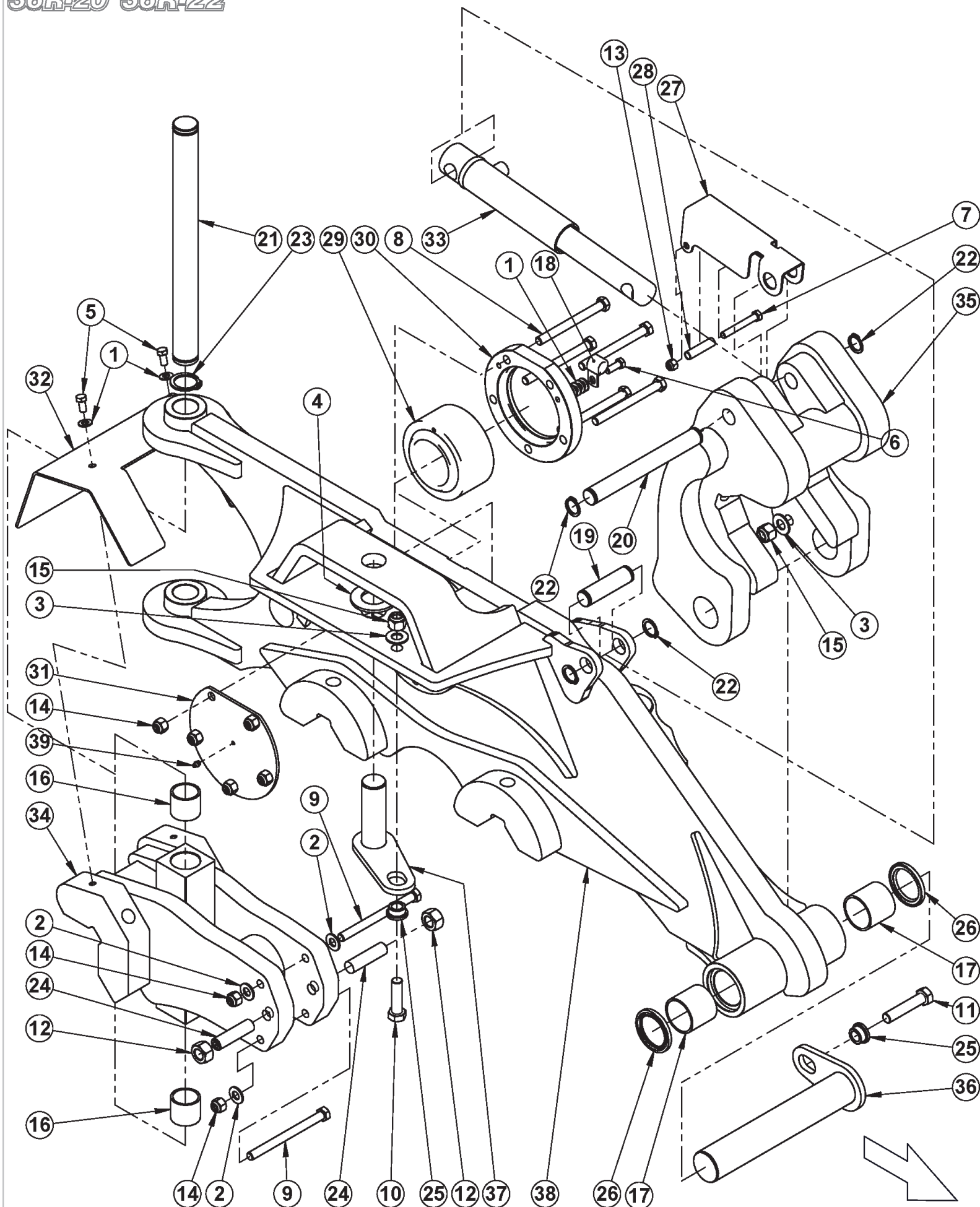


TA01230 Assy, 18" RH Track

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA01049	Assy, RH Track Undercarriage	1	
2	TA01225	Roller Narrow Asm	1	
3	TA01225	Roller Narrow Asm	1	
4	TA01221	Idler Narrow Asm	1	
5	TA01221	Idler Narrow Asm	1	
6	T0054414	Track, 18" Wide Planter	1	
7	HB-1.000-8X5.50Y8	HBolt-1.0000-8x5.50-YZ8	2	
8	HB-1.000-8X8.50Y8	Bolt, Hex Head-1.0-8x8.5-YZ8	2	
9	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	2	
10	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	2	
11	SHCS-1.000-8X5.00B8	SHCS-1.000-8X5.00 B8	4	

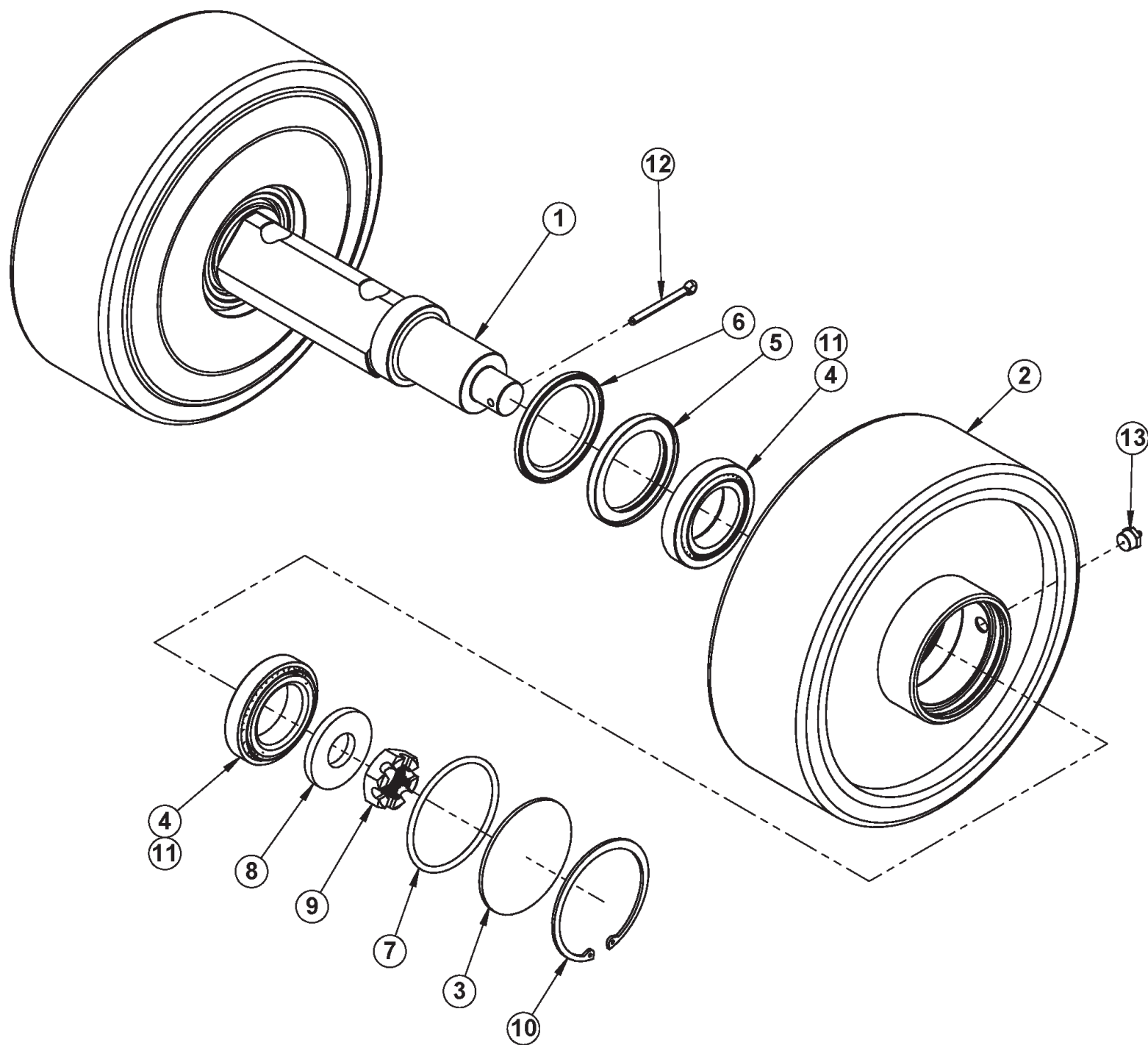
Note:

1.  = Torque, and is expressed in ft-lbs.
2.  = Apply 30W oil to the threads before assembly.



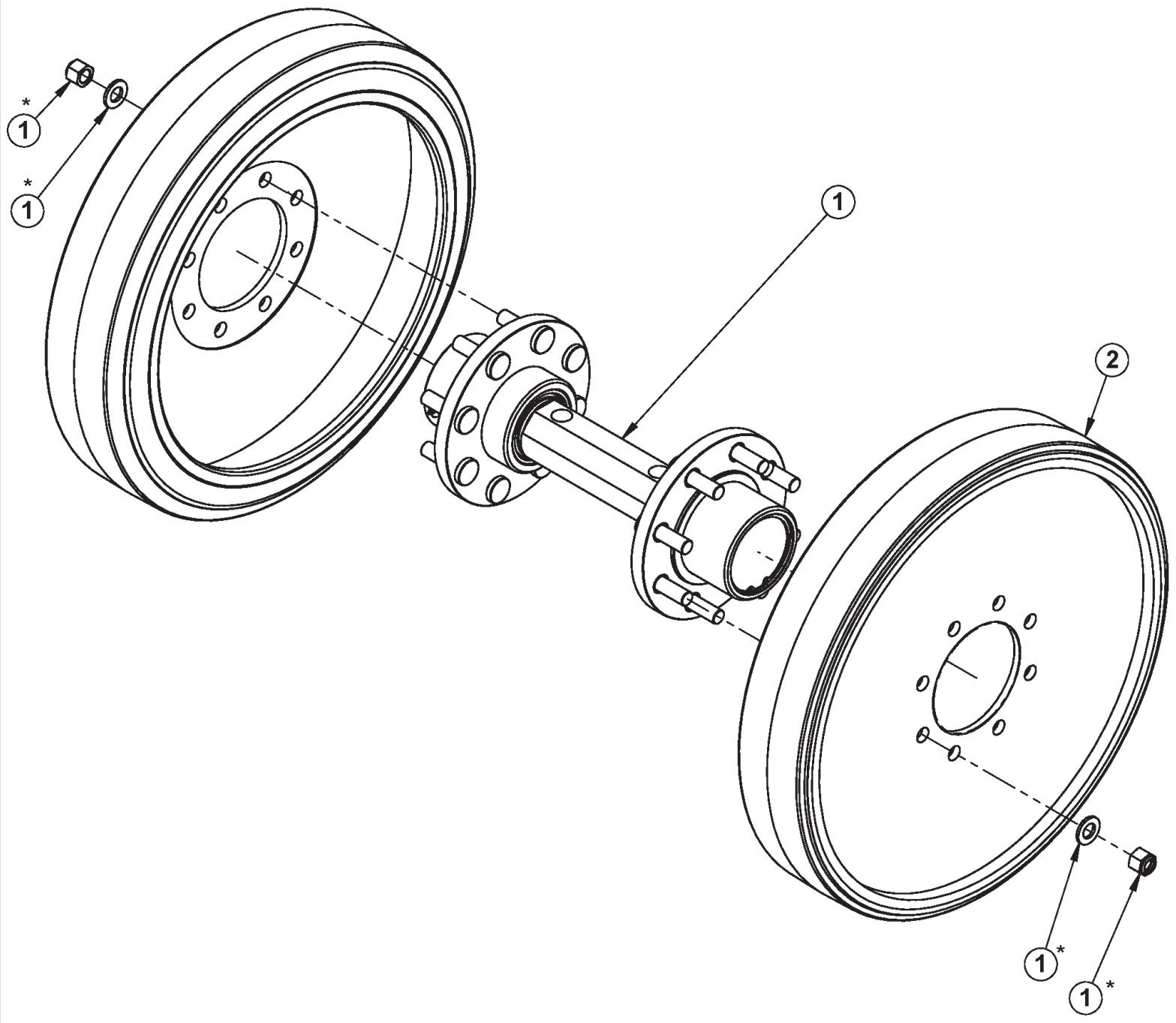
TA01049 Assy, RH Track Undercarriage

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	7	
2	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	2	
4	FW-SAE-1.375Y	Washer, Flat SAE 1-3/8 YZ	1	
5	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
6	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	1	
7	HB-0.375-16X2.75Y8	Bolt, Hex Hd 3/8-16x2-3/4 YZ8	1	
8	HB-0.500-13X5.25Y8	Bolt, Hex Hd 1/2-13x5-1/4 YZ8	5	
9	HB-0.500-13X6.00Y8	Bolt, Hex Hd 1/2-13x6 YZ8	2	
10	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
11	HB-0.625-11X3.00Y8	Bolt, Hex Hd 5/8-18x3 YZ8	1	
12	HNUT-0.750-10Y8	Nut, Hex 3/4-10 YZ8	2	
13	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	1	
14	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	7	
15	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
16	PB-1.500X1.75X1.50	Bushing, Composite 1-1/2x1-3/4x1-1/2	2	
17	PB-2.000X2.25X2.00	Bushing, Composite 2x2-1/4x2	2	
18	PCLMP-0.750x0.875	Clamp, Tube 3/4x13/32	1	
19	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
20	PIN-1.000X8.625Y	Pin, 1x8-5/8 YZ	1	
21	PIN-1.50X16.25Y	Pin, 1-1/2x16-1/4 YZ	1	
22	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	4	
23	SRING-EXT-HD-1.50Y	Retaining Ring, External 1-1/2 HD YZ	2	
24	SSOV-0.750-10X3.00B	Set Screw, Oval 3/4-10x3 BO	2	
25	T0050854	Anti Rotation Insert	2	
26	T0051585	2.00 Grease Seal	2	
27	T0053489	Shield, Tension Cylinder	1	
28	T0053497	Sleeve, Spacer	1	
29	T0053511	BEARING, SPHERICAL-3" SHAFT	1	
30	T0053524	Cap, Bearing	1	
31	T0054068	Grease Cap	1	
32	T0054437	Track Seal Cover	1	
33	TA01003	Cylinder, Hyd 1.50X5.50 SA	1	
34	TW000958	Wldmt (Mach), Track Alignment	1	
35	TW000962	Wldmt (Mach), Track Tensioner	1	
36	TW000963	Weld, Pin	1	
37	TW000964	Weld, Pin	1	
38	TW000982	Wldmt, RH Undercarriage-Mach	1	
39	ZERK-0.250-28	Zerk, 1/4-28	1	



TA01225 Roller Narrow Asm

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0054431	Roller Axle	1	
2	TA01223	Roller Narrow Overmold	2	
3	T0054421	8-Bolt Hub Cap	2	
4	T0054432	Bearing Cup	4	
5	T0051029	3.0 Inch Seal	2	
6	T0051948	Seal, Radial Shaft Ø3.00 x .25	2	
7	ORING-4.250X.188	4-1/4" x 0.188" O-Ring	2	
8	HDWSH-1.26X2.88Y	1.25 x 2.87 x 0.31 Washer	2	
9	SHJN-1.250-12	Nut, Slotted Hex Jam 1-1/4"-12	2	
10	SRING-INT-4.25	4-1/4" INT SRING	2	
11	T0054433	2.25 Tapered Roller Bearing Cone	4	
12	CTPIN-0.250X2.50	COTTERPIN, 1/4 X 2-1/2	2	
13	ZERK-0.375-NPT	Zerk 0.375-NPT	2	

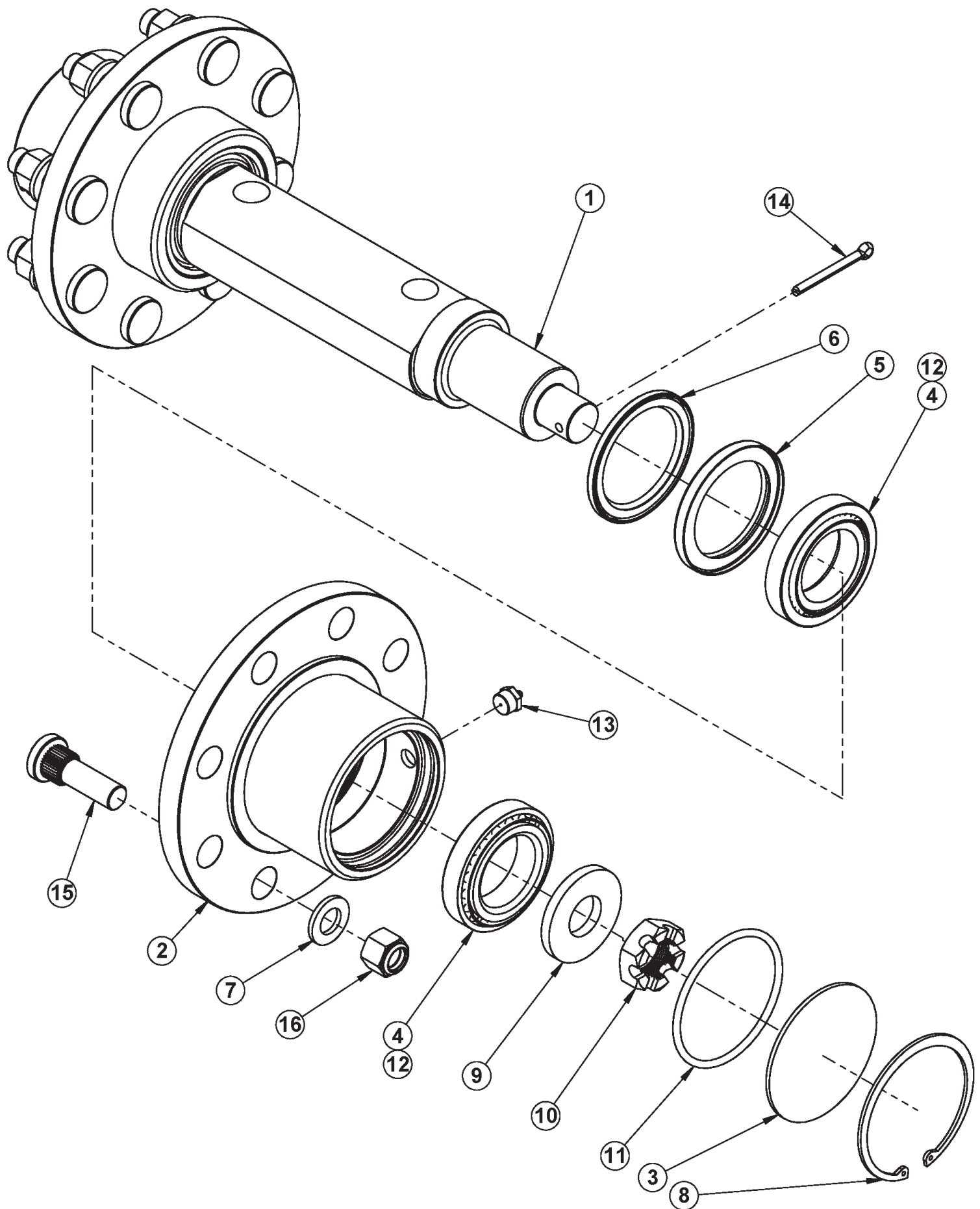


TA01221 Idler Narrow Asm

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA01219	Idler Axle Asm	1	
2	TA01218	Idler Narrow Overmold	2	

Note:

*Items marked with an asterisk are items that are included in that particular part or assembly.

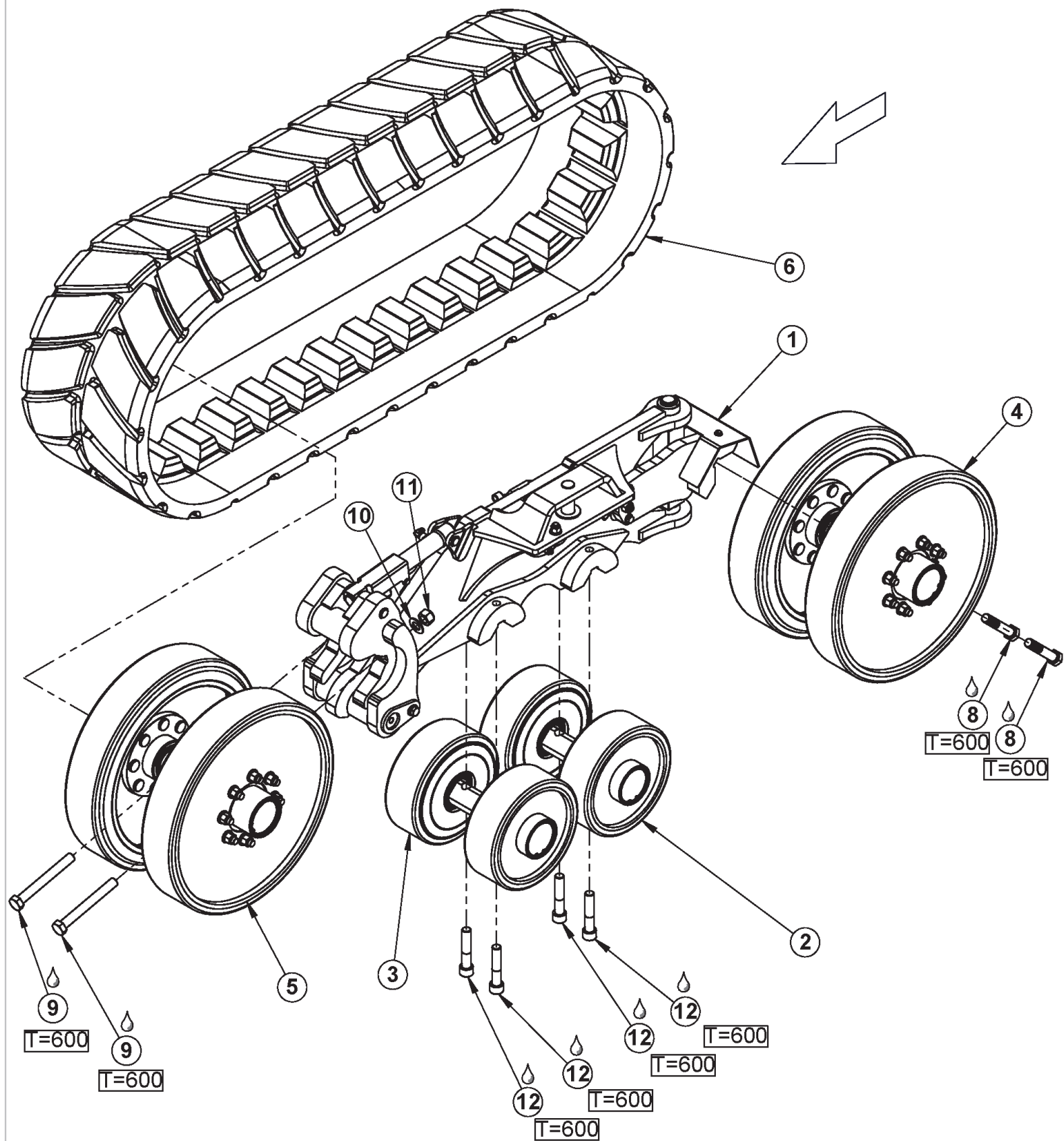


TA01219 Idler Axle Asm

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0054424	Idler Axle	1	
2	TW001134	8-Bolt Hub Machined	2	
3	T0054421	8-Bolt Hub Cap	2	
4	T0054432	Bearing Cup	4	
5	T0051029	3.0 Inch Seal	2	
6	T0051948	Seal, Radial Shaft Ø3.00 x .25	2	
7	FW-SAE-0.750YTH	Washer, FL SAE 3/4 Th-Hrd YZ	16	
8	SRING-INT-4.25	4-1/4" INT SRING	2	
9	HDWSH-1.26X2.88Y	1.25 x 2.87 x 0.31 Washer	2	
10	SHJN-1.250-12	Nut, Slotted Hex Jam 1-1/4"-12	2	
11	ORING-4.250X.188	4-1/4" x 0.188" O-Ring	2	
12	T0054433	2.25 Tapered Roller Bearing Cone	4	
13	ZERK-0.375-NPT	Zerk 0.375-NPT	2	
14	CTPIN-0.250X2.50	COTTERPIN, 1/4 X 2-1/2	2	
15	WS-0.750-16X2.625C5	Stud, Wheel 3/4-16 Gr5 CZ	16	
16	NLNUT-0.750-16Y8	Nut, Nylock-3/4-16-YZ8	16	

Note:

*Items marked with an asterisk are items that are included in that particular part or assembly.

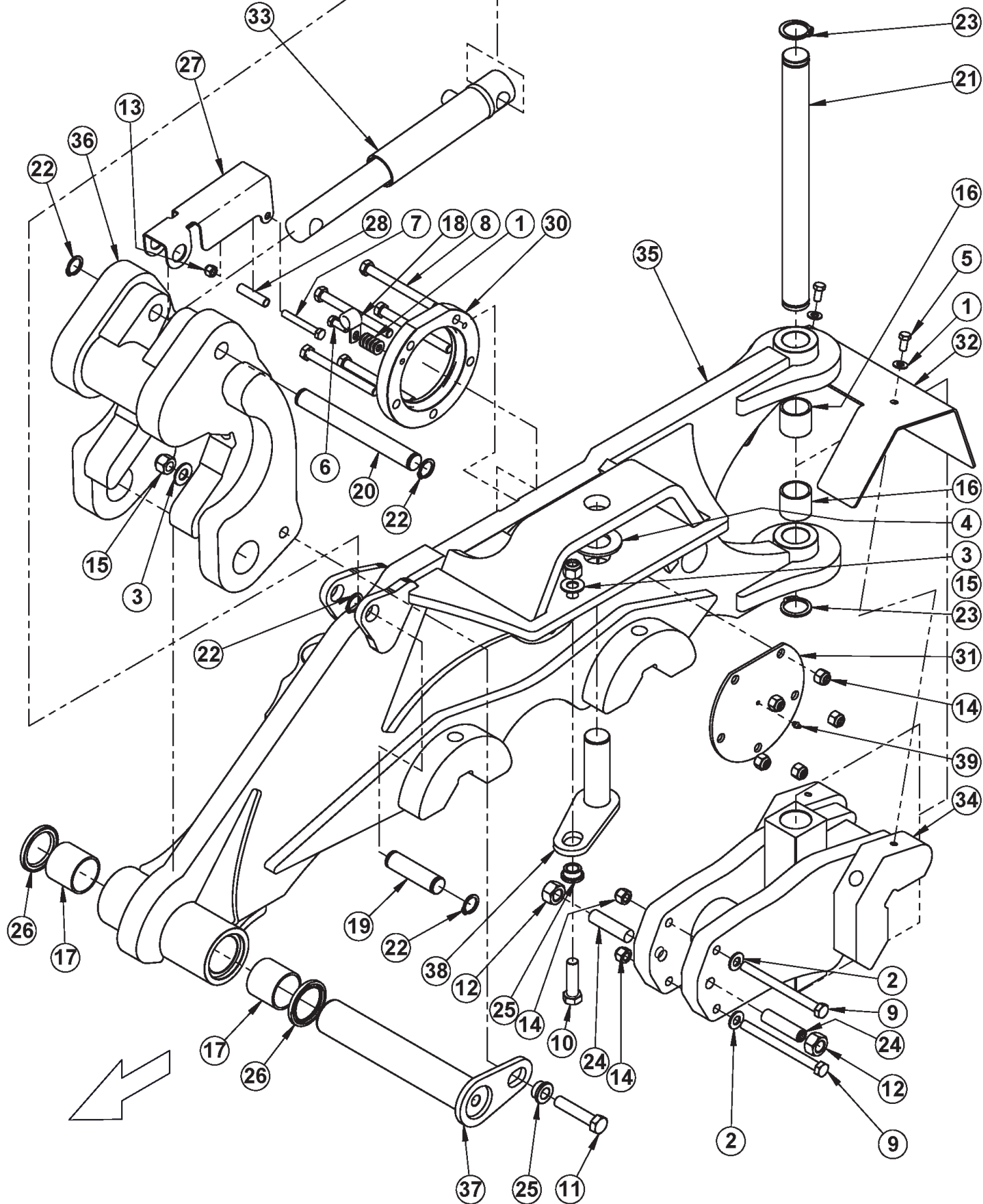


TA01231 Assy, 18" LH Track

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA01024	Assy, LH Track Undercarriage	1	
2	TA01225	Roller Narrow Asm	1	
3	TA01225	Roller Narrow Asm	1	
4	TA01221	Idler Narrow Asm	1	
5	TA01221	Idler Narrow Asm	1	
6	T0054414	Track, 18" Wide Planter	1	
7	T0053511	BEARING, SPHERICAL-3" SHAFT	1	
8	HB-1.000-8X5.50Y8	HBolt-1.0000-8x5.50-YZ8	2	600
9	HB-1.000-8X8.50Y8	Bolt, Hex Head-1.0-8x8.5-YZ8	2	600
10	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	2	
11	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	2	
12	SHCS-1.000-8X5.00B8	SHCS-1.000-8X5.00 B8	4	600

Note:

1.  = Torque, and is expressed in ft-lbs.
2.  = Apply 30W oil to the threads before assembly.

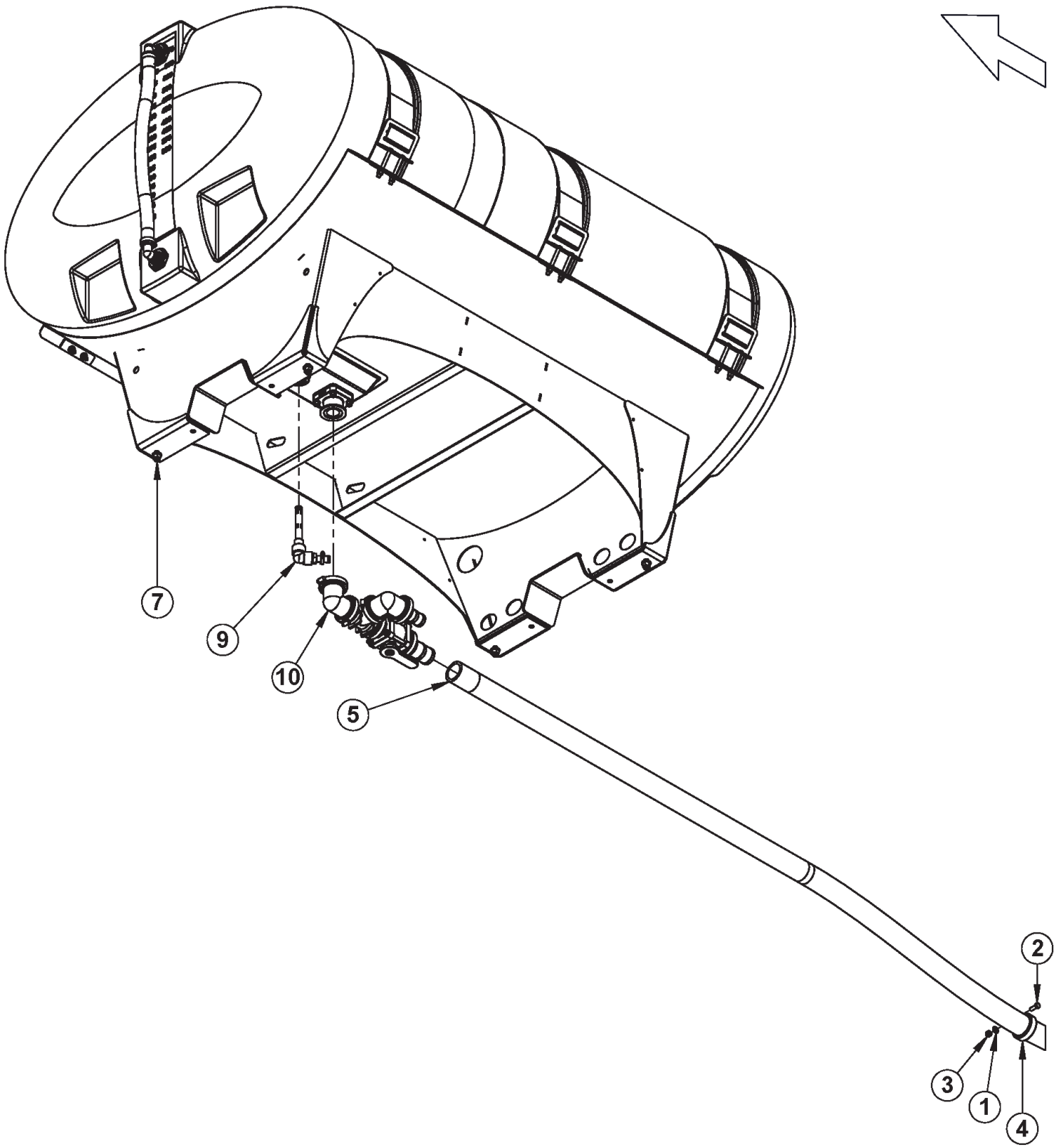


TA01024 Assy, LH Track Undercarriage

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	7	
2	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	2	
4	FW-SAE-1.375Y	Washer, Flat SAE 1-3/8 YZ	1	
5	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
6	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	1	
7	HB-0.375-16X2.75Y8	Bolt, Hex Hd 3/8-16x2-3/4 YZ8	1	
8	HB-0.500-13X5.25Y8	Bolt, Hex Hd 1/2-13x5-1/4 YZ8	5	
9	HB-0.500-13X6.00Y8	Bolt, Hex Hd 1/2-13x6 YZ8	2	
10	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
11	HB-0.625-11X3.00Y8	Bolt, Hex Hd 5/8-18x3 YZ8	1	
12	HNUT-0.750-10Y8	Nut, Hex 3/4-10 YZ8	2	
13	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	1	
14	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	7	
15	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
16	PB-1.500X1.75X1.50	Bushing, Composite 1-1/2x1-3/4x1-1/2	2	
17	PB-2.000X2.25X2.00	Bushing, Composite 2x2-1/4x2	2	
18	PCLMP-0.750x0.875	Clamp, Tube 3/4x13/32	1	
19	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
20	PIN-1.000X8.625Y	Pin, 1x8-5/8 YZ	1	
21	PIN-1.50X16.25Y	Pin, 1-1/2x16-1/4 YZ	1	
22	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	4	
23	SRING-EXT-HD-1.50Y	Retaining Ring, External 1-1/2 HD YZ	2	
24	SSOV-0.750-10X3.00B	Set Screw, Oval 3/4-10x3 BO	2	
25	T0050854	Anti Rotation Insert	2	
26	T0051585	2.00 Grease Seal	2	
27	T0053489	Shield, Tension Cylinder	1	
28	T0053497	Sleeve, Spacer	1	
29	T0053511	BEARING, SPHERICAL-3" SHAFT	1	
30	T0053524	Cap, Bearing	1	
31	T0054068	Grease Cap	1	
32	T0054437	Track Seal Cover	1	
33	TA01003	Cylinder, Hyd 1.50X5.50 SA	1	
34	TW000958	Wldmt (Mach), Track Alignment	1	
35	TW000960	Wldmt, LH Undercarriage-Mach	1	
36	TW000962	Wldmt (Mach), Track Tensioner	1	
37	TW000963	Weld, Pin	1	
38	TW000964	Weld, Pin	1	
39	ZERK-0.250-28	Zerk, 1/4-28	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.

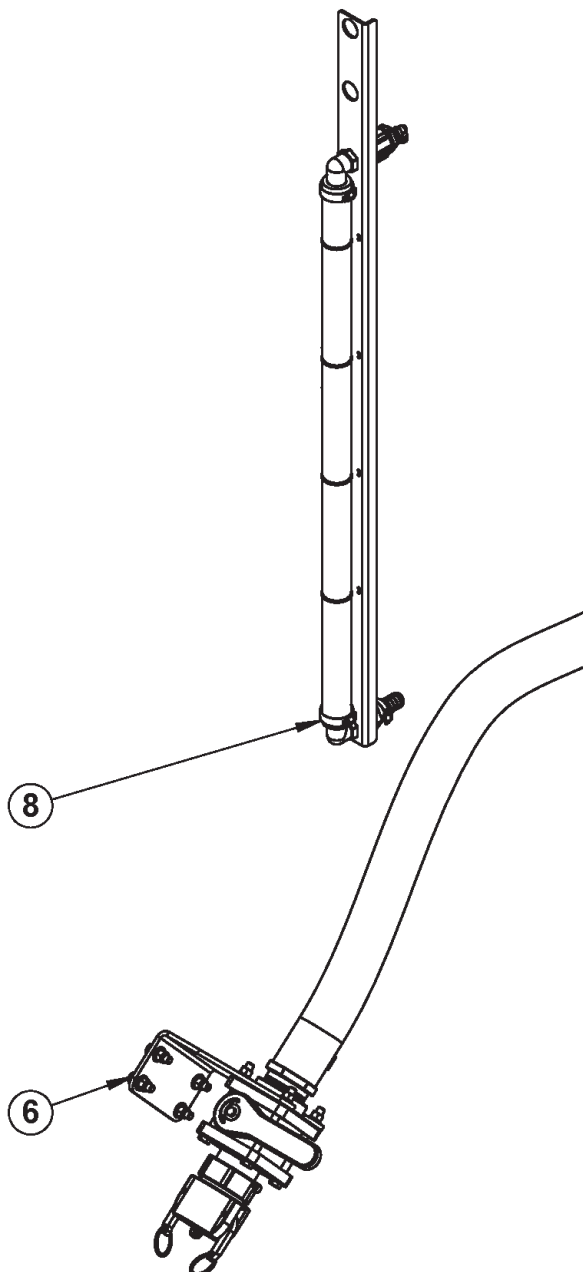


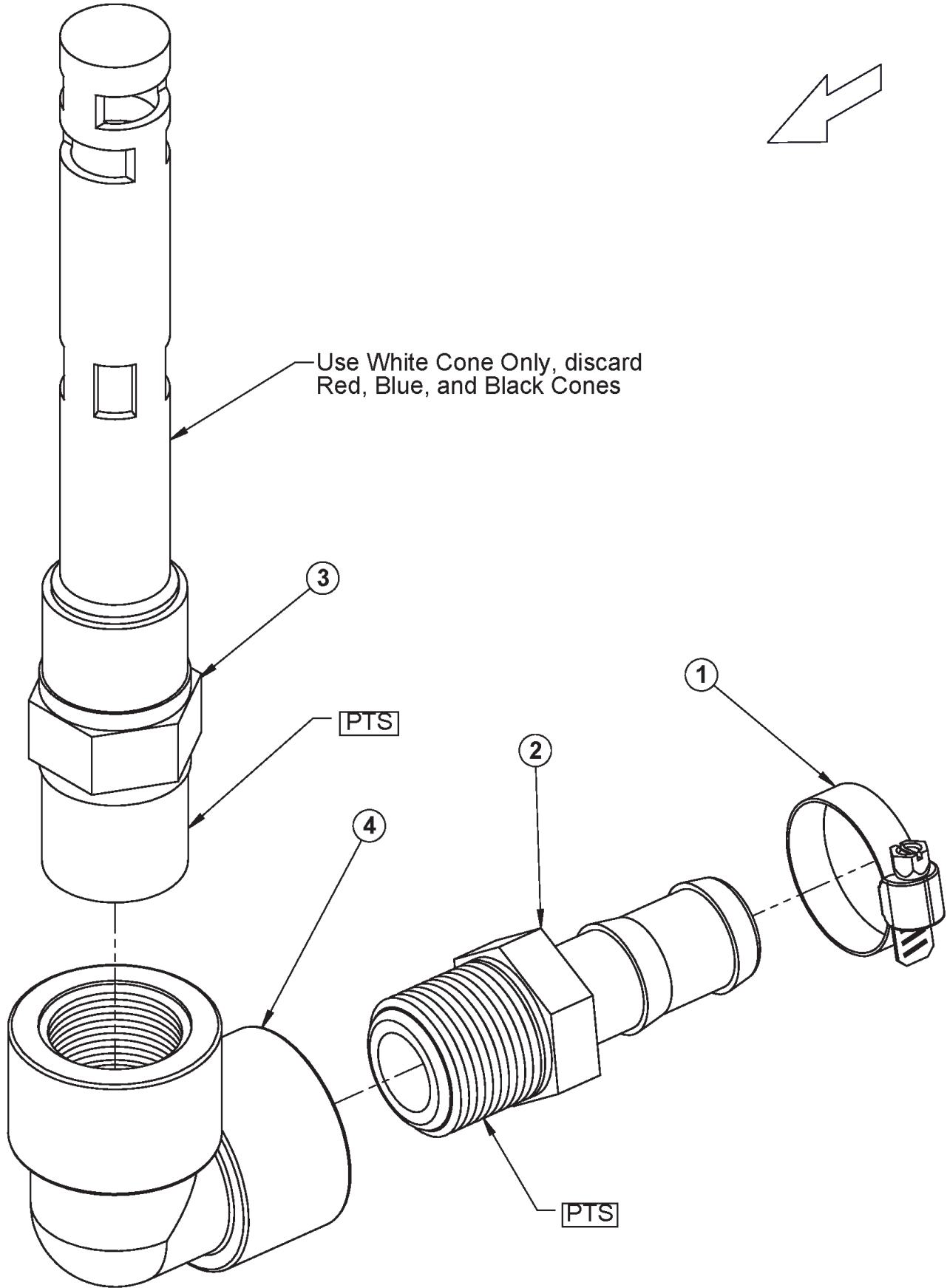
TA02039 Assy, 500 Gal Tank Assy w/2" Fill

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	1	
2	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	1	
3	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	1	
4	PCLMP-3.00x.406	Clamp, Tube 3x13/32	1	
5	T0056132	Hose, Suction Ø2.00" x 233"	1	
6	TA00693	Assy, Liquid Fert Mount	1	
7	TA01517	Assy, 500 Gal Tank and Base	1	
8	TA01541	Assy, Rear Liq Fert Sight Gauge	1	
9	TA01942	Assy, Tank Agitator	1	
10	TA02043	Assy, 2" Tank Fill Manifold 500 Gallon	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.





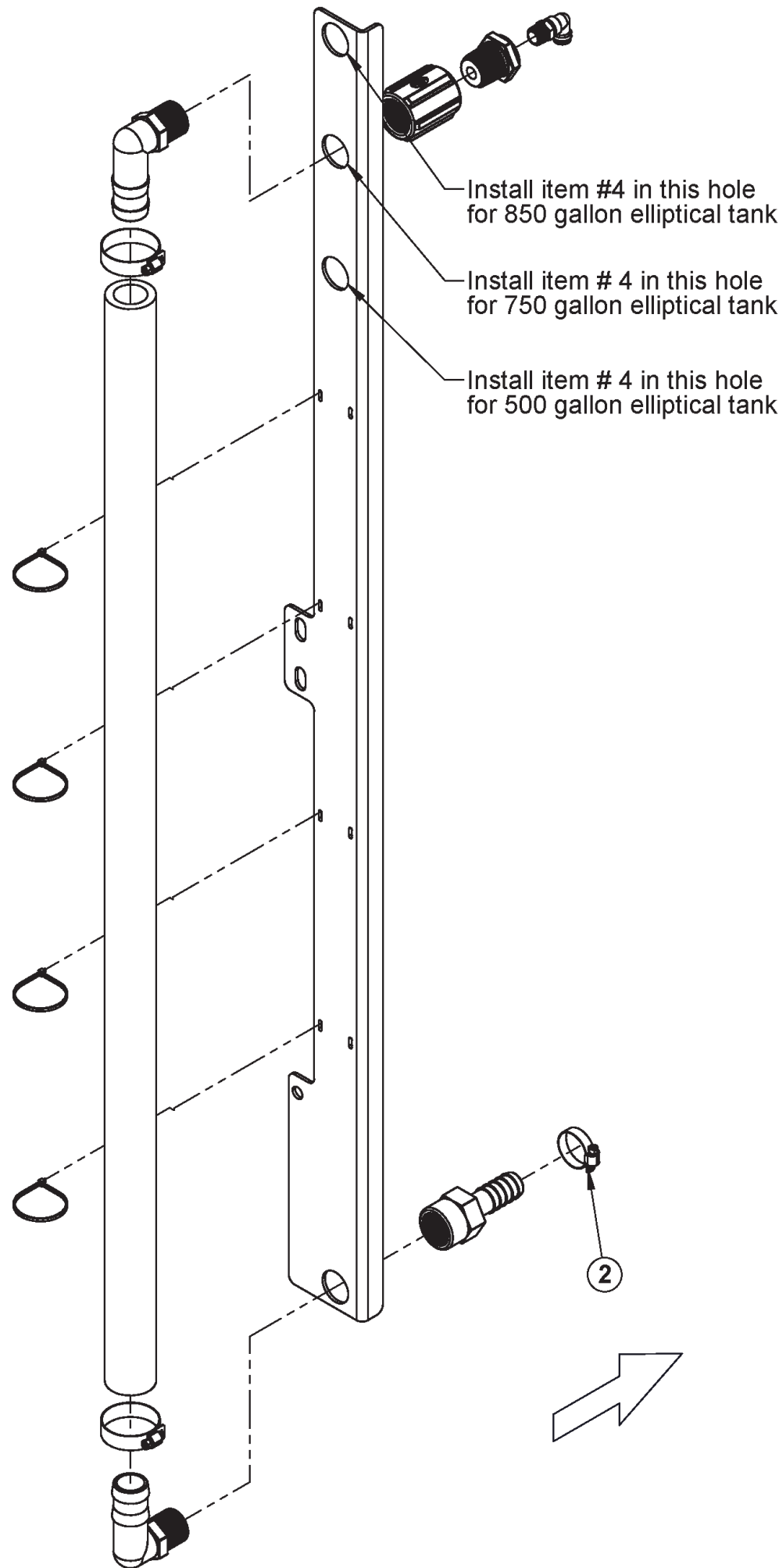
TA01942 Assy, Tank Agitator

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	1	
2	T0051512	3/4" MPT x 3/4" HB	1	
3	T0051637	Agitator, Tank	1	
4	T0052428	Elbow, 3/4FPT X 3/4FPT	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.
3. PTS = Apply Pipe Thread Sealant, use Rectorseal #21 or equivalent.

See Note # 3



TA01541 Assy, Rear Liq Fert Sight Gauge (750 Gallon Elliptical Tank Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CBLTIE-0.14X5.50	Cable Tie,.14X5.5 1.3MaxBundle	4	
2	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	1	
3	HCLMP-SAE-16SS	Clamp, Hose-SAE-#16-SS	2	
4	T0051179	.75" MPT to 1.00" Hose Barb-90	2	
5	T0051642	3/4" FPT x 3/4" Hose Barb SCH 40	1	
6	T0052453	Elbow 1/4" PTC to 1/4" MPT	1	
7	T0055112	Plate, Sight Gauge Bracket	1	
8	T0055115	Hose, Sight Gauge Clear 38.80"	1	
9	T0055120	Fitting, Coupling 3/4"	1	
10	T0055126	Fitting, Reducer Bushing 1/4 X 3/4 MPT	1	

TA01541 Assy, Rear Liq Fert Sight Gauge (500 Gallon Elliptical Tank Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
8	T0055130	Hose, Sight Gauge Clear 34.45"	1	

** All parts are the same as above with the exception of the sight tube hose.

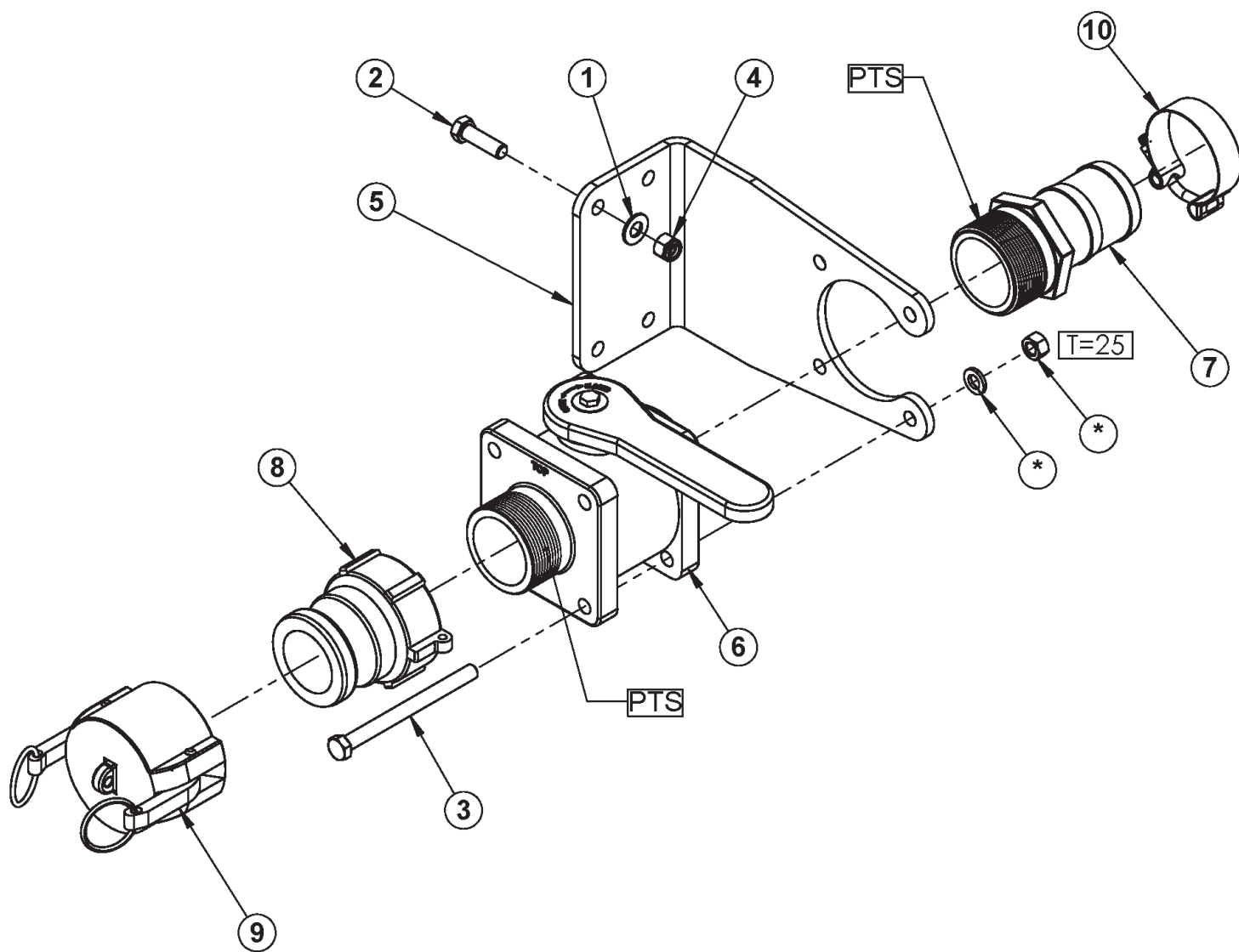
TA01541 Assy, Rear Liq Fert Sight Gauge (850 Gallon Elliptical Tank Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
8	T0056082	Hose, Sight Gauge Clear 42.80"	1	

** All parts are the same as above with the exception of the sight tube hose.

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.
3. Cut clear hose to length of 38.80" for 750 Elliptical Tank, 34.45" for 500 Elliptical Tank, and 42.80" for 850 Elliptical Tank.

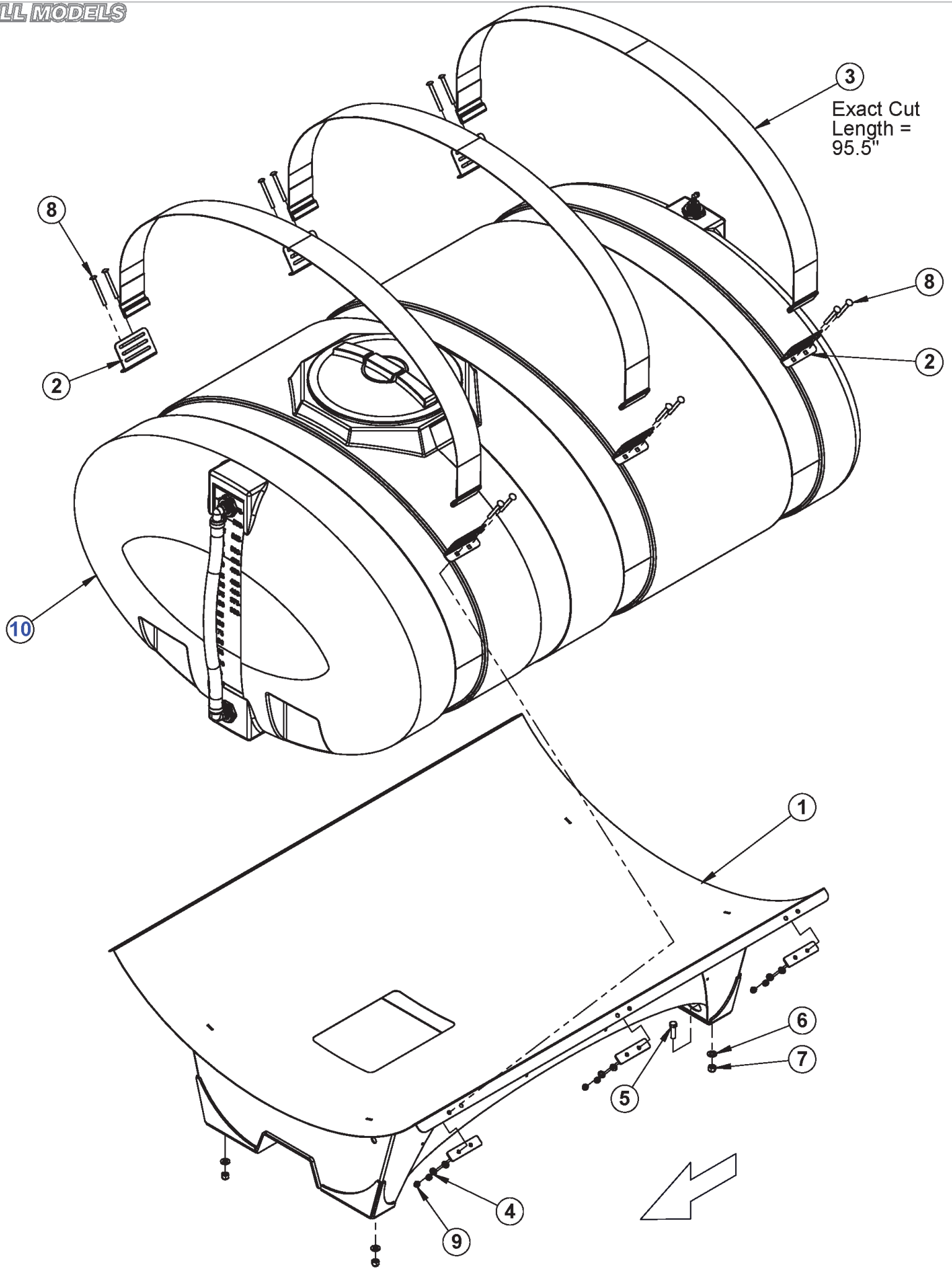


TA00693 Assy, Liquid Fert Mount

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
2	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	
3	HB-0.375-16X4.50SS	Bolt, Hex Hd 3/8-16x4-1/2-SS	4	
4	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
5	T0050611	Liquid Fertilizer Fill Valve Mt	1	
6	T0051513	Valve, Ball 2" Full Port	1	
7	T0051514	2" MPT x 2" HB	1	
8	T0051515	2" Male Adaptor FPT	1	
9	T0051516	Cap 2"	1	
10	T0051639	T-Bolt Clamp 2.5"	1	

Note:**T** = Torque Expressed in-lbs**PTS**= Apply Pipe Thread Sealant, use Rectorseal #21 or equivalent.

* Items marked with an asterisk, are included with P/N T0051513.

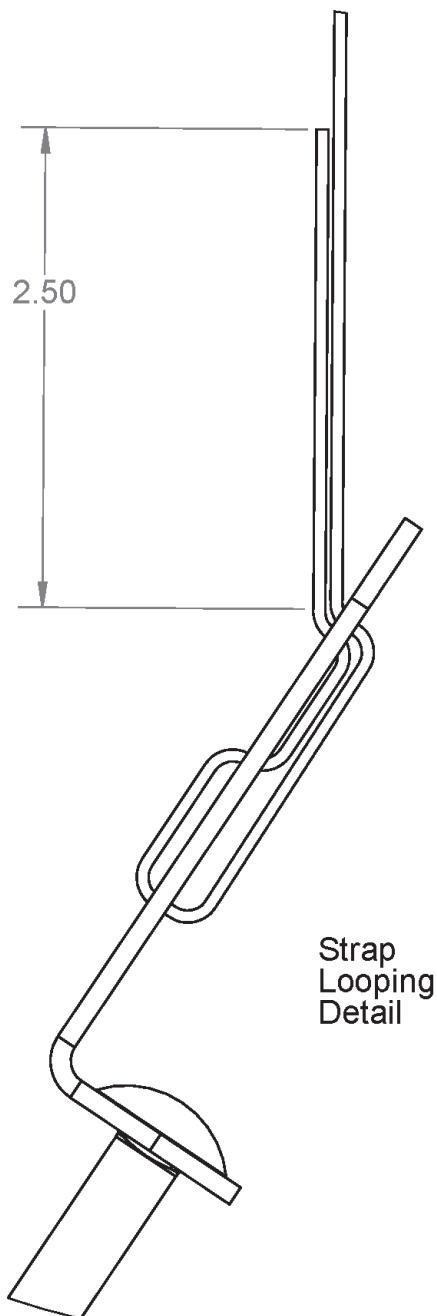


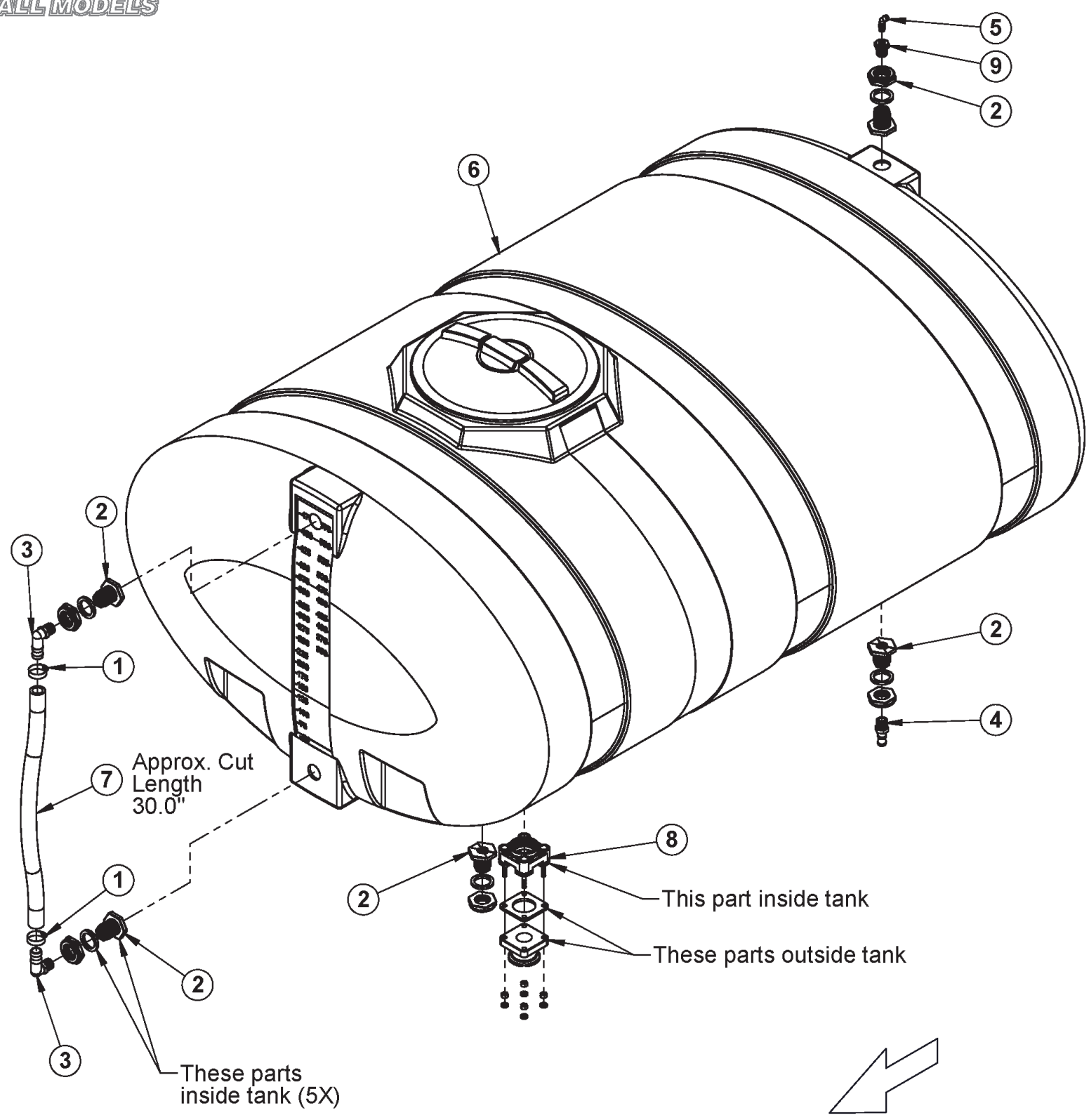
TA01517 Assy, 500 Gal Tank and Base

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001254	Wldmt, Tank Base 500 Gal Elliptical	1	
2	T0053517	Brkt, Tank Strap	6	
3	T0055788	Strap, Nylon Tank 4" (per ft)	24	
4	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	12	
5	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	4	
6	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
7	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	4	
8	CB-0.375-16X4.00C5	Bolt, Carriage 3/8-16x4 CZ5	12	
9	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	12	
10	TA01518	Assy, Fert Tank 500 Gal	1	
11	T0055434	Plate, Washer	6	

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.



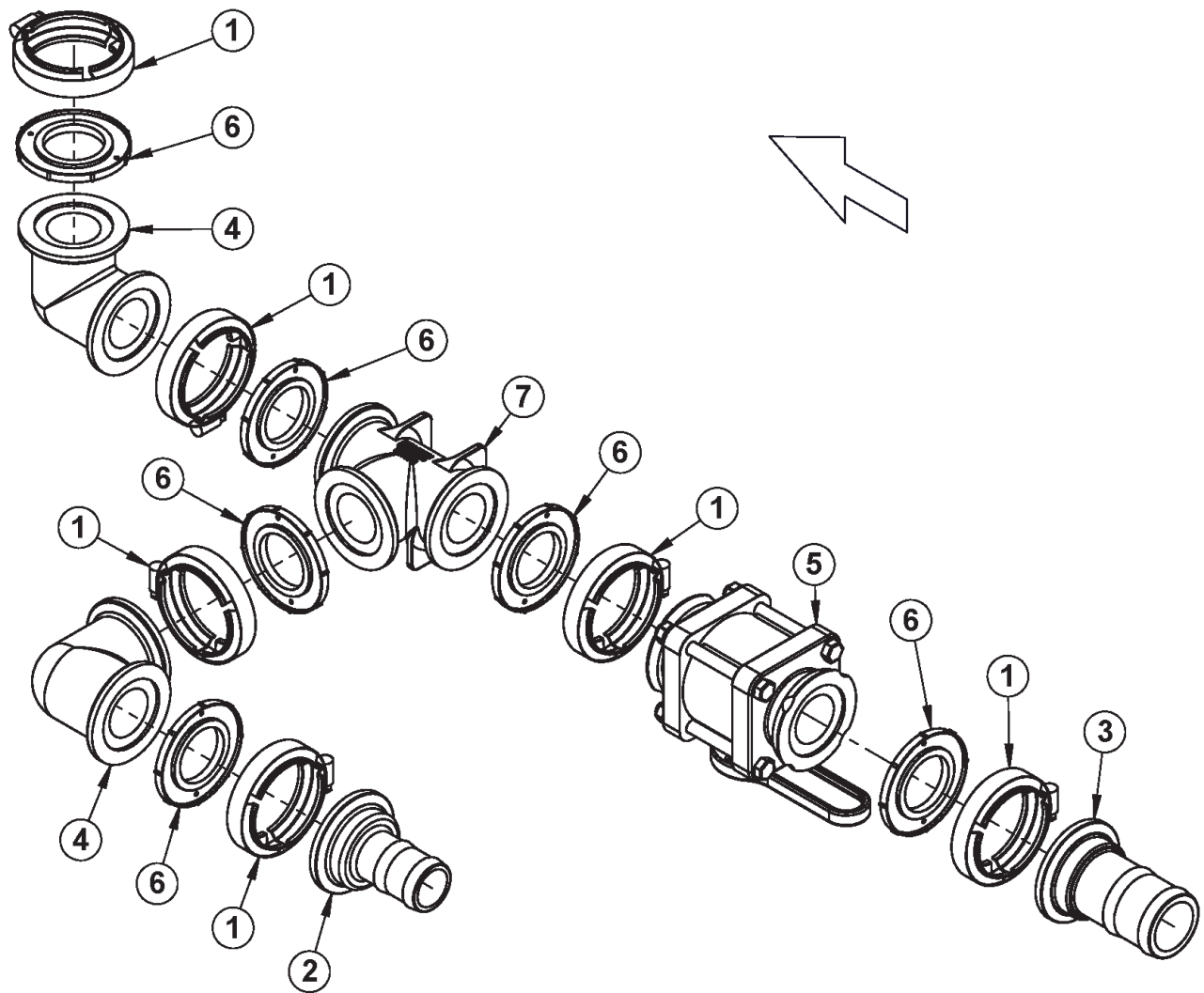


TA01518 Assy, Fert Tank 500 Gal

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	HCLMP-SAE-16SS	Hose Clamp, SAE #16 SS	2
2	T0051176	Ftng, 3/4" Bulkhead Tank	5
3	T0051179	.75" MPT to 1.00" Hose Barb-90	2
4	T0051512	3/4" MPT x 3/4" HB	1
5	T0052453	Elbow 1/4" PTC to 1/4" MPT	1
6	T0055097	Tank, 500 Gal Elliptical	1
7	T0055102	Sight Gauge Hose	1
8	T0055111	Tank Flg,2" Man Boltd-Bttm Drn	1
9	T0055126	Fitting, Reducer Bushing 1/4 X 3/4 MPT	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.

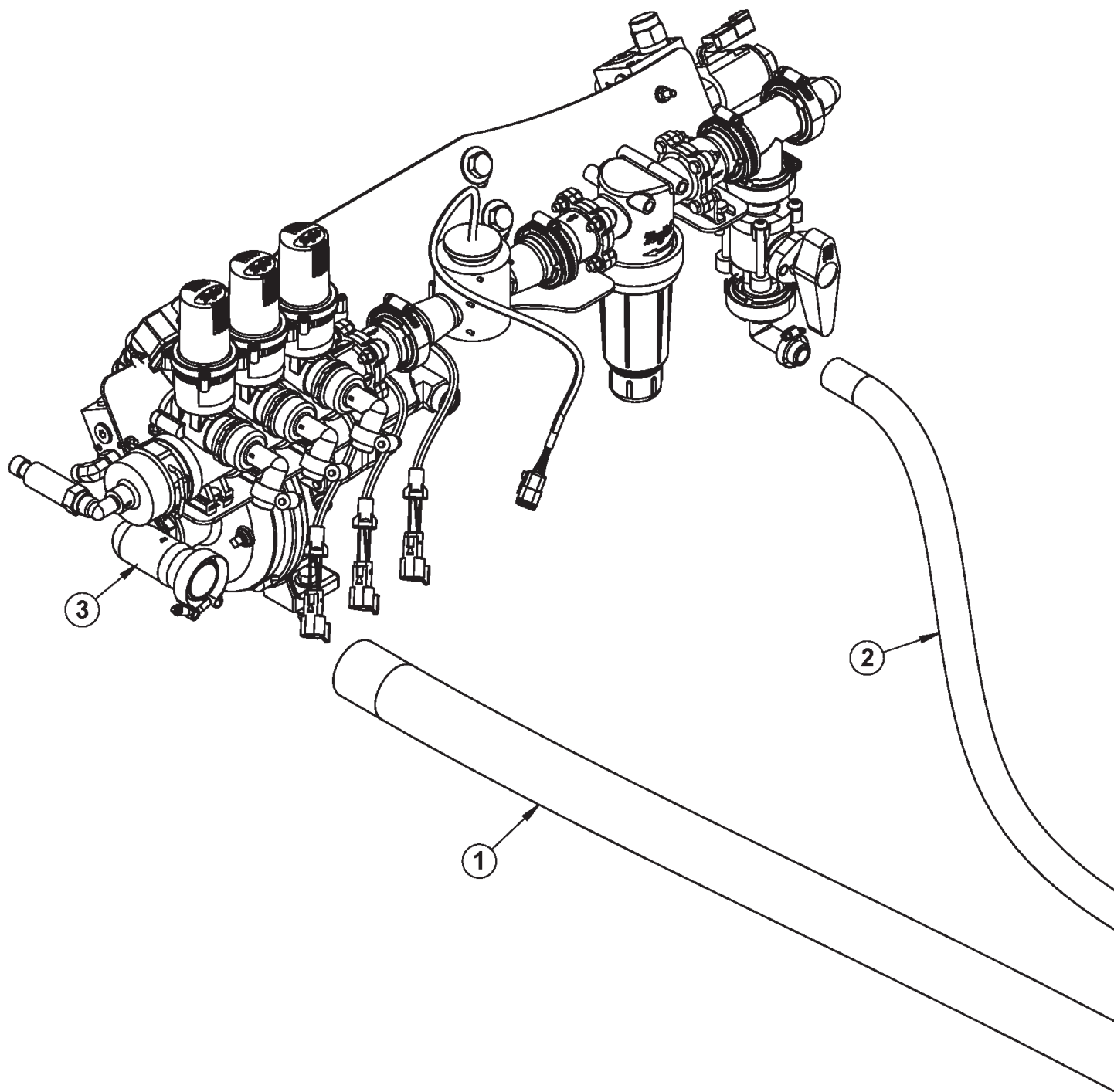


TA02043 Assy, 2" Tank Fill Manifold 500 Gallon

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0051560	Clamp 2" Flange	6	
2	T0051598	Fitting, 2" Flange x 1.5" HB	1	
3	T0051612	2" Flange x 2" HB	1	
4	T0051614	2" x 2" 90 deg Flange	2	
5	T0051615	Valve, Ball 2" Manifold	1	
6	T0053630	Gasket, Univ Flanged 1.5" EPDM	6	
7	T0055110	Fitting, Manifold Tee, 2"	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.

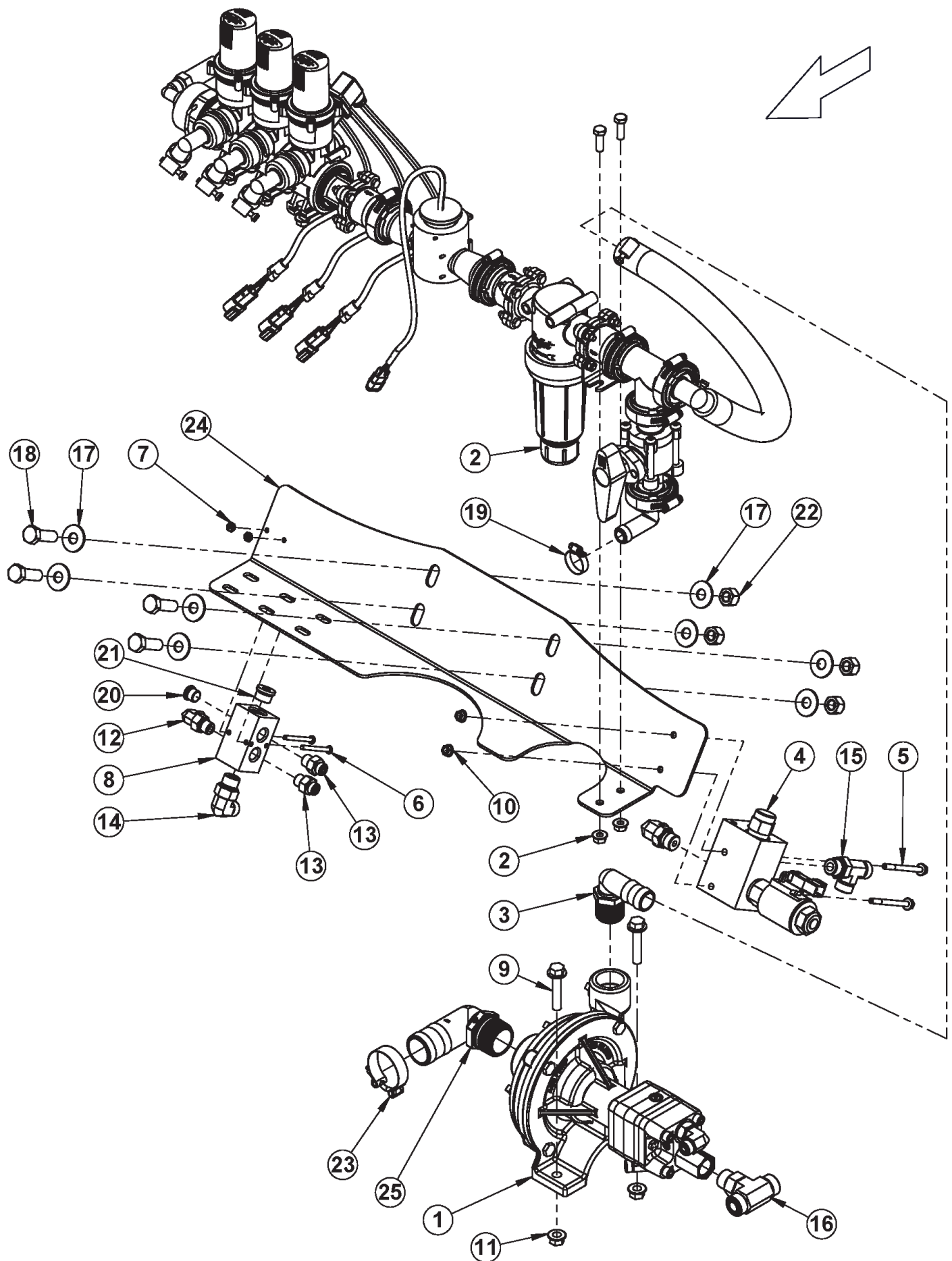


TA02045 Assy, Fertilizer Pump 2000

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0056128	Hose, Suction Ø1.50" x 58"	1	
2	T0056130	Hose, Ag Spray 200 Ø3/4" x 73"	1	
3	TA01936	Assy, Fert Pump/ Section Valves	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.

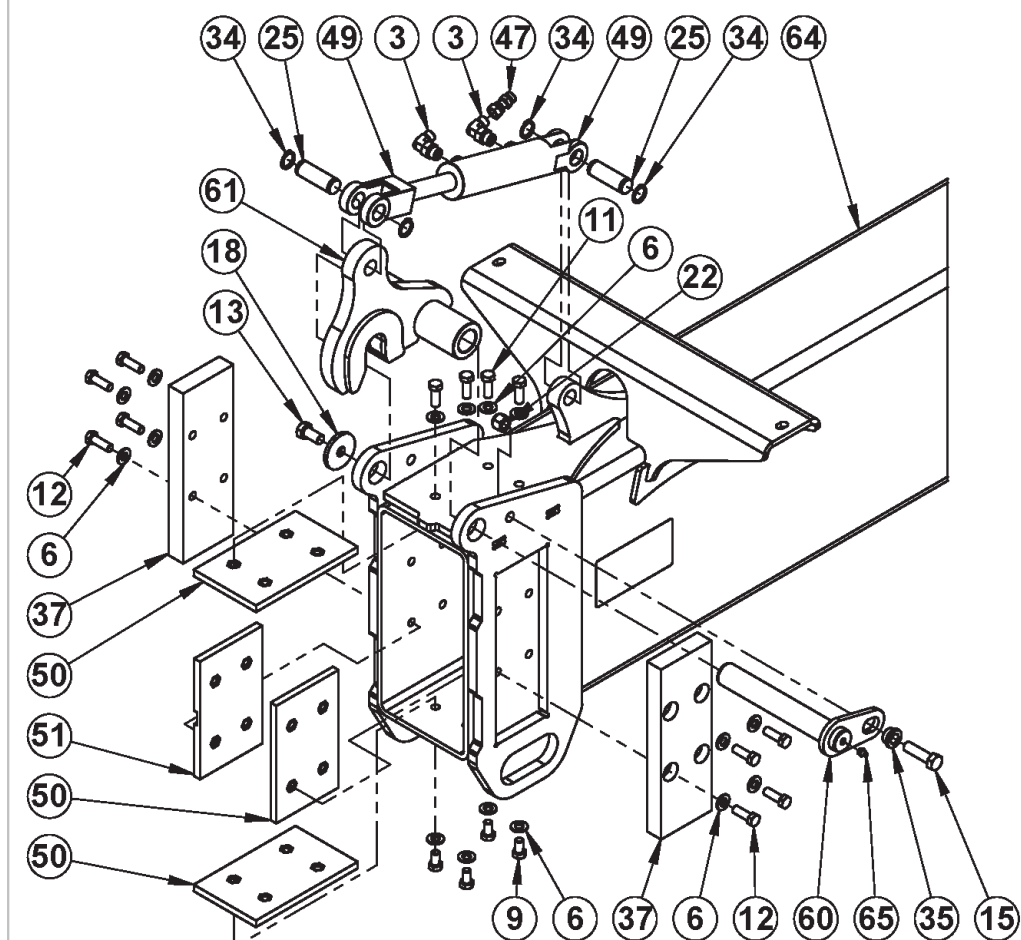
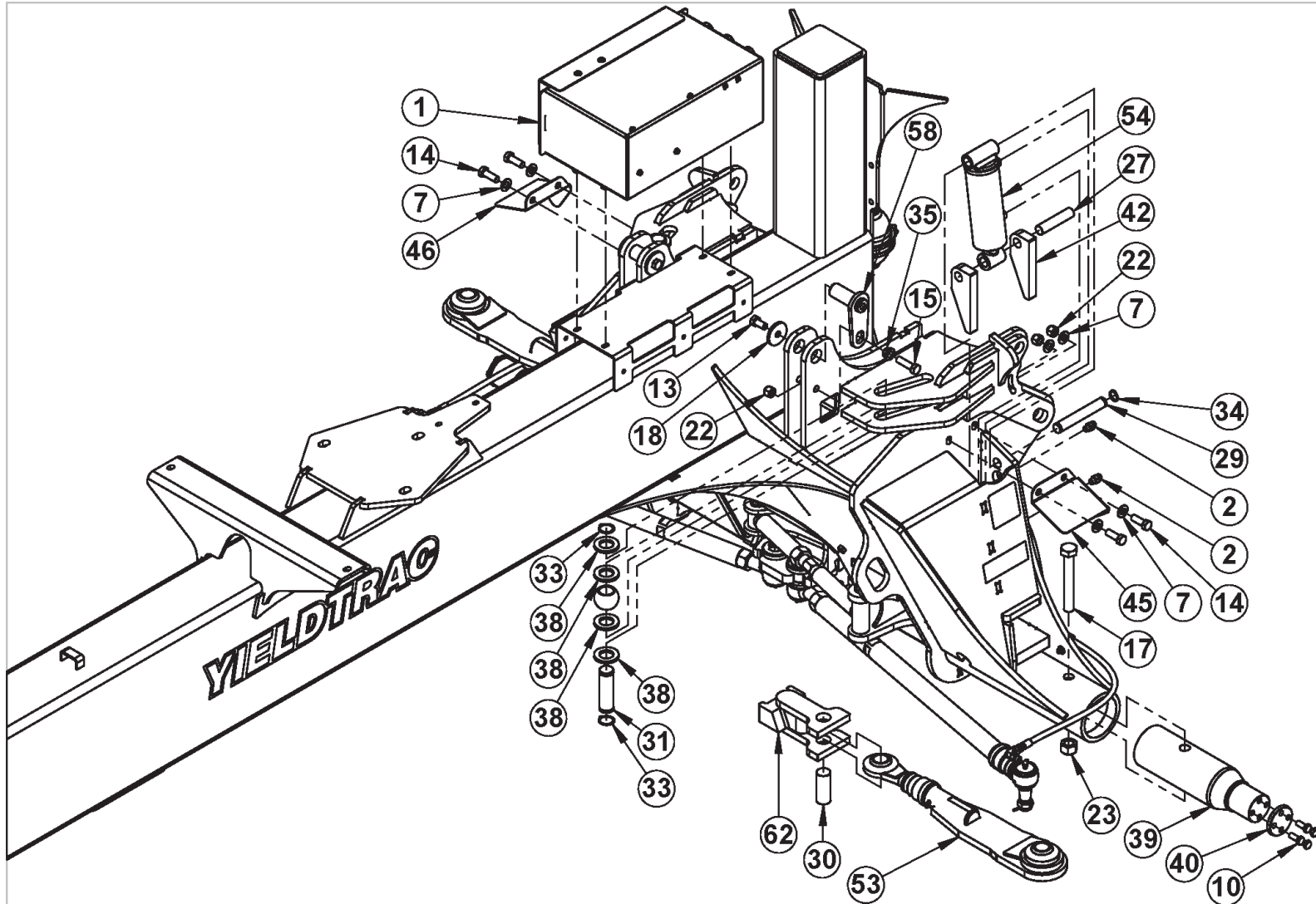


TA01936 Assy, Fert Pump/ Section Valves

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47698761	Pump, Fertilizer	1	
2	47788907	Assy, Fertilizer Manifold	1	
3	47796392	Hose Barb	1	
4	47898204	Valve, Fertilizer Control	1	
5	87023526	Bolt	2	
6	90-12-3682	Screw, Pan Head Phil #10-24 x 2	2	
7	90-13-0051	Nut, Hex #10-24 Gr5 ZP	2	
8	90-36-0021	Manifold, 08in to 06 out 4 ports at 180	1	
9	9804264	Bolt	2	
10	9804276	Nut	2	
11	9804278	Nut	2	
12	AD-04MFS-06MB-90	AD-04MFS-06MB-90	1	
13	AD-04MFS-06MB	AD-04MFS-06MB	2	
14	AD-06MFS-08MB-90	AD-06MFS-08MB-90	1	
15	AD-08MFS-08MB-08MFS	AD-08MFS-08MB-08MFS	1	
16	AD-10MFS-10MFS-10MB	AD-10MFS-10MFS-10MB	1	
17	FW-USS-0.438Y	Washer, Flat-USS 7/16-YZ	8	
18	HB-0.500-13X1.50Y8	Bolt, Hex Hd 1/2-13x1-1/2 YZ8	4	
19	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	1	
20	HEXPLUG-06MB-HLW	06MB HOLLOW HEX PLUG	1	
21	HEXPLUG-08MB-HLW	08MB HOLLOW HEX PLUG	1	
22	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	4	
23	T0051640	T-Bolt Clamp 2"	1	
24	T0055372	Mount, Fertilizer Manifold	1	
25	T0055791	1-1/4 NPT x 1-1/2 x 90 Hose Barb	1	
26	TA01939	Hose Kit, Fertilizer Control	1	

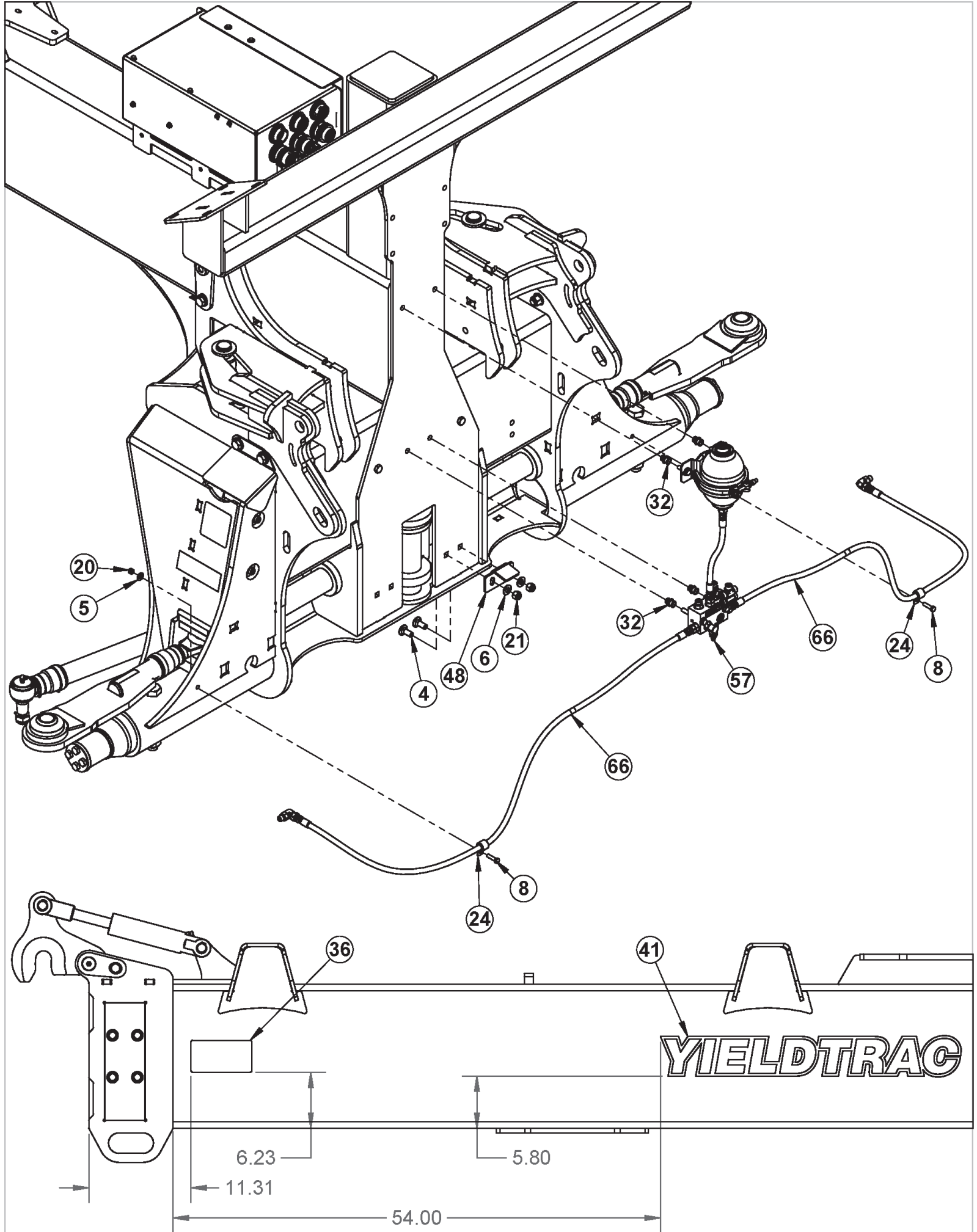
Note:

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.



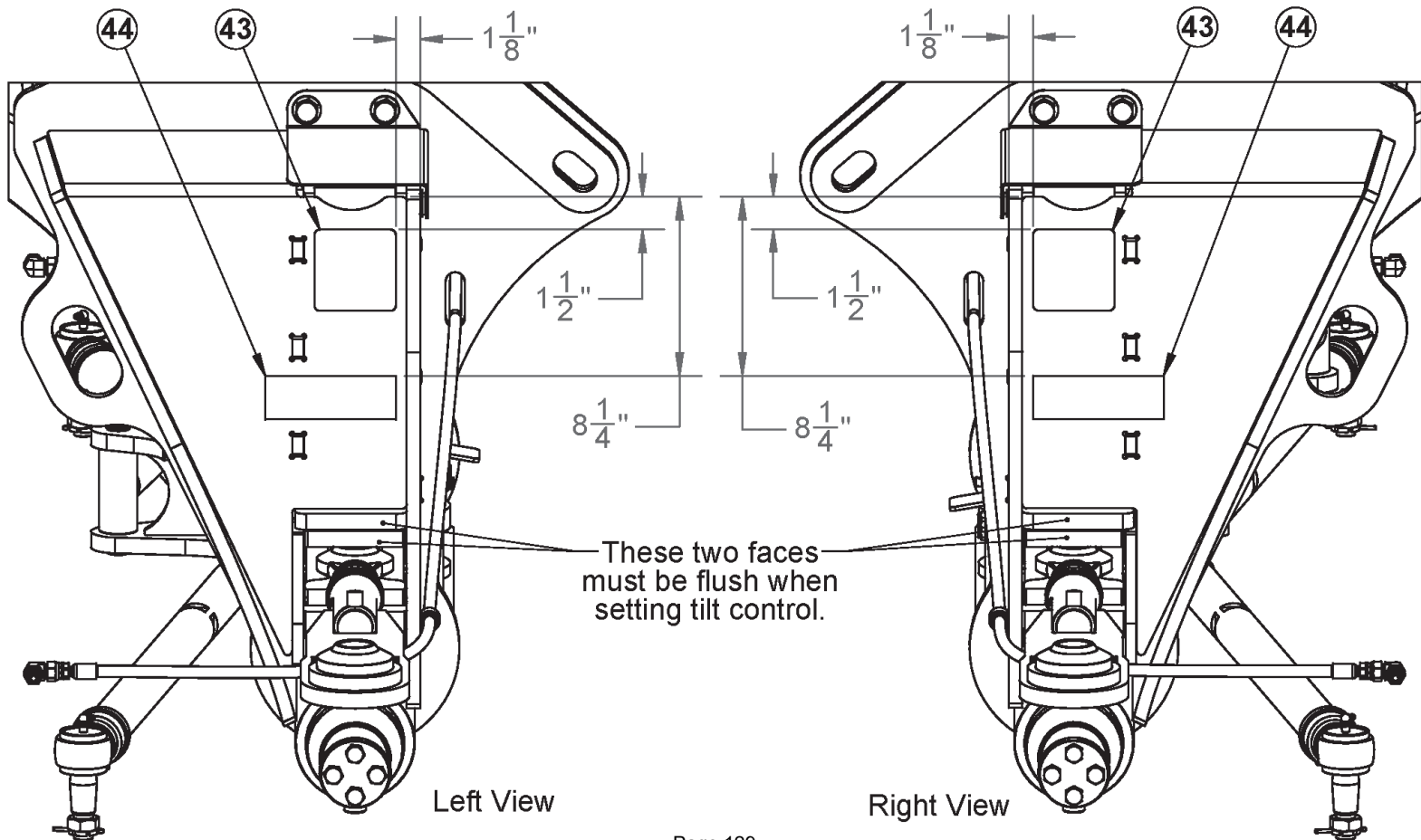
TA01874 Assy, 40' Main Frame (88")

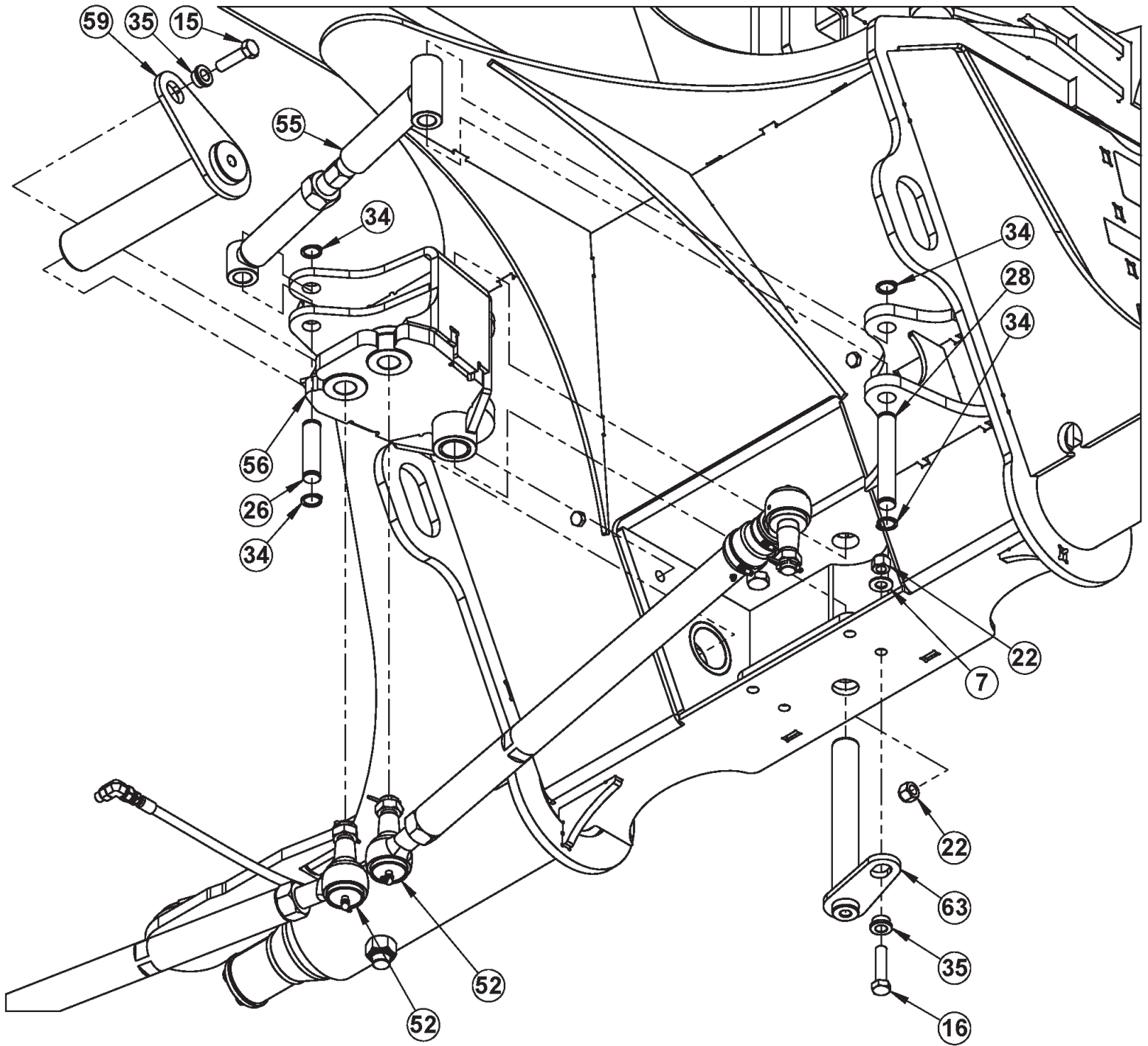
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	48103378	KIT, UCM ASSEMBLY	1	
2	AD-06MFS-06MB	Adapter, 06MFS-06MB	4	
3	AD-06MFS-08MB-90	Adapter, 06MFS-08MB 90	2	
6	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	18	
7	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	9	
9	HB-0.500-13X0.88Y8	Bolt, Hex Hd 1/2-13x7/8 YZ8	4	
10	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	8	
11	HB-0.500-13X1.38Y8	Bolt, Hex Hd 1/2-13x1-3/8 YZ8	4	
12	HB-0.500-13X1.50Y8	Bolt, Hex Hd 1/2-13x1-1/2 YZ8	8	
13	HB-0.625-11X1.25Y8	Bolt, Hex Hd 5/8-11x1-1/4 YZ8	3	
14	HB-0.625-11X1.75Y8	Bolt, Hex Hd 5/8-11x1-3/4 YZ8	4	
15	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	5	
17	HB-1.000-8X7.00Y8	Bolt, Hex Hd 1-8x7 YZ8	2	
18	HDWSH-0.64X2.50Y	HD Washer, 41/64x2-1/2 YZ	3	
22	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	10	
23	NLNUT-1.000-8Y8	Nylon Lock Nut, 1-8 YZ8	2	
25	PIN-1.000X2.63Y	Pin, 1x2-5/8 YZ	2	
27	PIN-1.000X4.63Y	Pin, 1x4-5/8 YZ	2	
29	PIN-1.000X6.125Y	Pin, 1x6-1/8 YZ	2	
30	PIN-1.438X3.50Y	Pin, 1-7/16x3-1/2 YZ	2	
31	PIN-1.438X4.25Y	Pin, 1-7/16x4-1/4 YZ	2	
33	SRING-EXT-1.44	Retaining Ring, External 1-7/16	4	
34	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	10	
35	T0050854	Anti Rotation Insert	6	
37	T0052579	Slider Block	2	
38	T0052610	Washer, Control Link	8	
39	T0053788	Axle, Track Stub	2	
40	T0053791	Washer, Track Axle Retention	2	
42	T0054616	Stop Insert	4	
45	T0054904	Cylinder Cover, LH	1	
46	T0054905	Cover, RH Cylinder	1	
47	T0055981	AD-06MFS-06FST w/ORF	1	
49	TA00632	Cylinder, Hyd 2.00X4.00	1	
50	TA00801	Assy, Slider	3	
51	TA00843	Assy, Slider	1	
53	TA01117	Tilt Control Assembly	2	
54	TA01235	Cylinder, Tilt Stop	2	
58	TW000630	Pin Weldment	2	
60	TW001050	Pin Weldment	1	
61	TW001150	Wdmt, Hitch Latch	1	
62	TW001162	Wdmt, 88" Stop Block	2	
64	TW001424	Wdmt, 40' Main Frame (88")	1	
65	ZERK-0.125-27-NPT	Zerk, 1/8-27 NPT	1	



TA01874 Assy, 40' Main Frame (88")

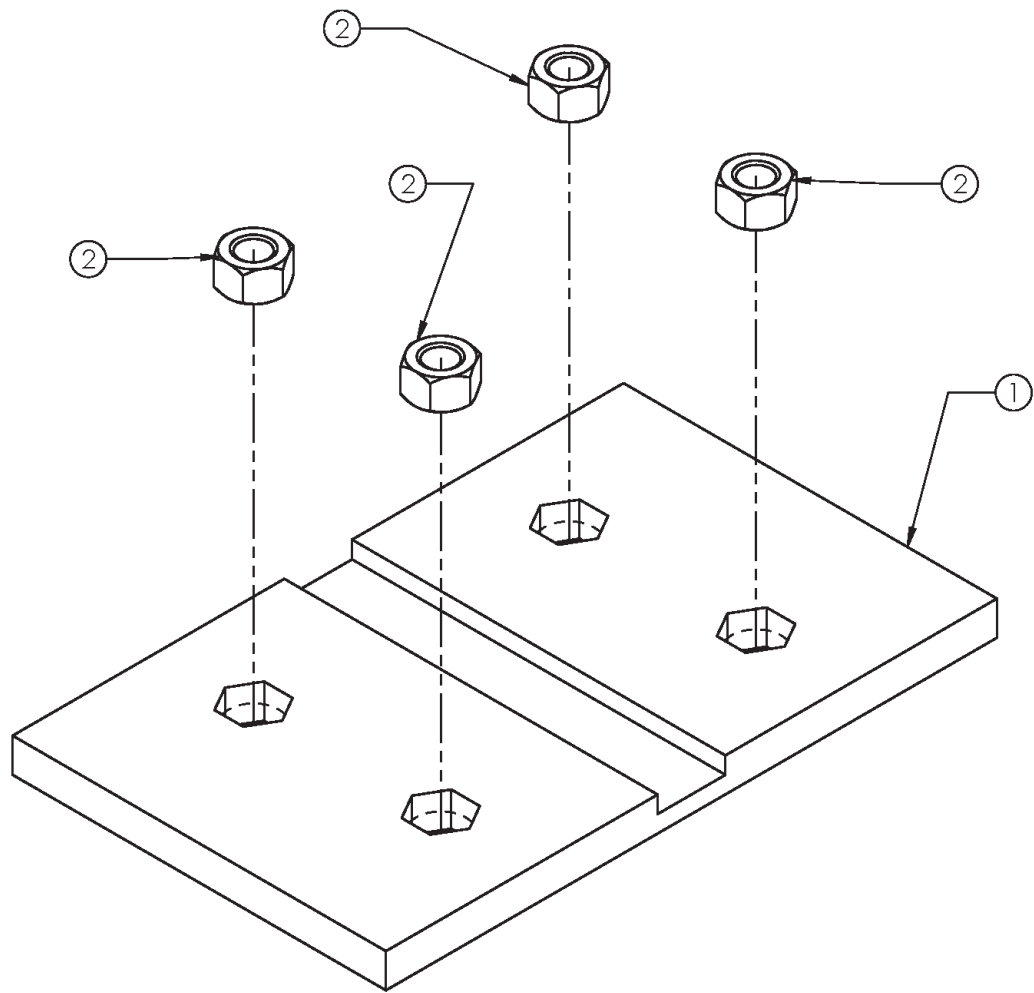
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
4	CB-0.500-13X1.25-Y8	Bolt, Carriage 1/2-13x1-1/4 YZ8	2	
5	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	2	
6	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	18	
8	HB-0.313-18X1.25Y8	Bolt, Hex Hd 5/16-18x1-1/4 YZ8	2	
20	NLNUT-0.313-18Y8	Nylon Lock Nut, 5/16-18 YZ8	2	
21	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	2	
24	PCLMP-0.750x0.875	Clamp, Tube 3/4x13/32	2	
32	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	4	
36	T0051588	Decal, Warning - Crush Hazard	2	
41	T0054236	Decal, Yieldtrac 4.4x33.3	2	
43	T0054707	Decal, Warn-Crush Haz Mn Lift	2	
44	T0054708	Decal, 320 Lug Torque	2	
48	T0056047	Bracket, Striker	1	
57	TA01921	Assy, Track Tension Valve	1	
66	HS04-060-06FS-06FS-C	Hose 0.25-060-06FS-06FS-STC	2	





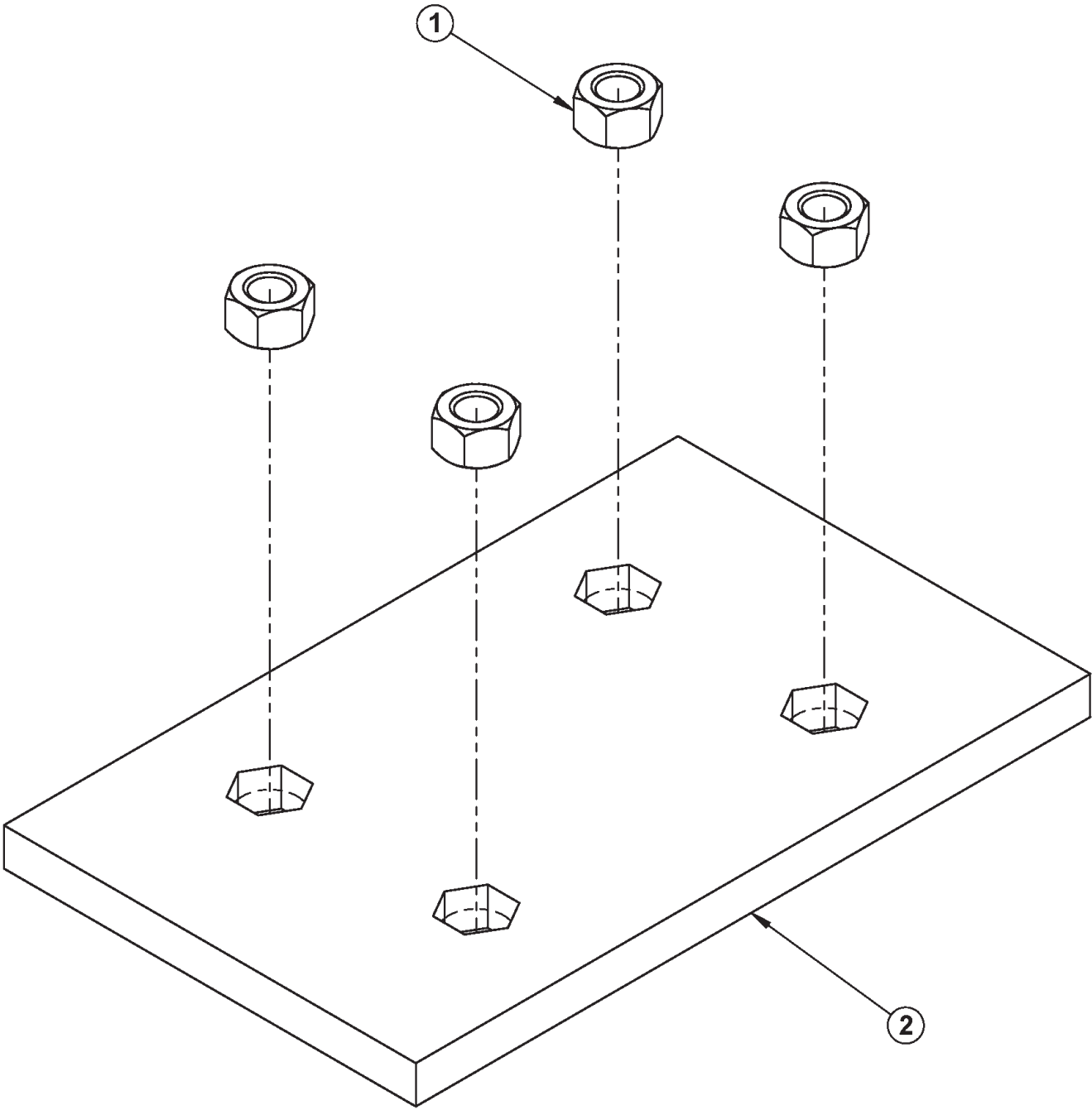
TA01874 Assy, 40' Main Frame (88")

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
7	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	9	
15	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	5	
16	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	1	
22	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	10	
26	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
28	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
34	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	10	
35	T0050854	Anti Rotation Insert	6	
52	TA01077	Assy, Tie Rod	2	
55	TA01637	Assy, Turnbuckle	1	
56	TA01916	Assy, Steering Pivot	1	
59	TW001012	Pin Weldment	2	
63	TW001170	Pin Weldment	1	

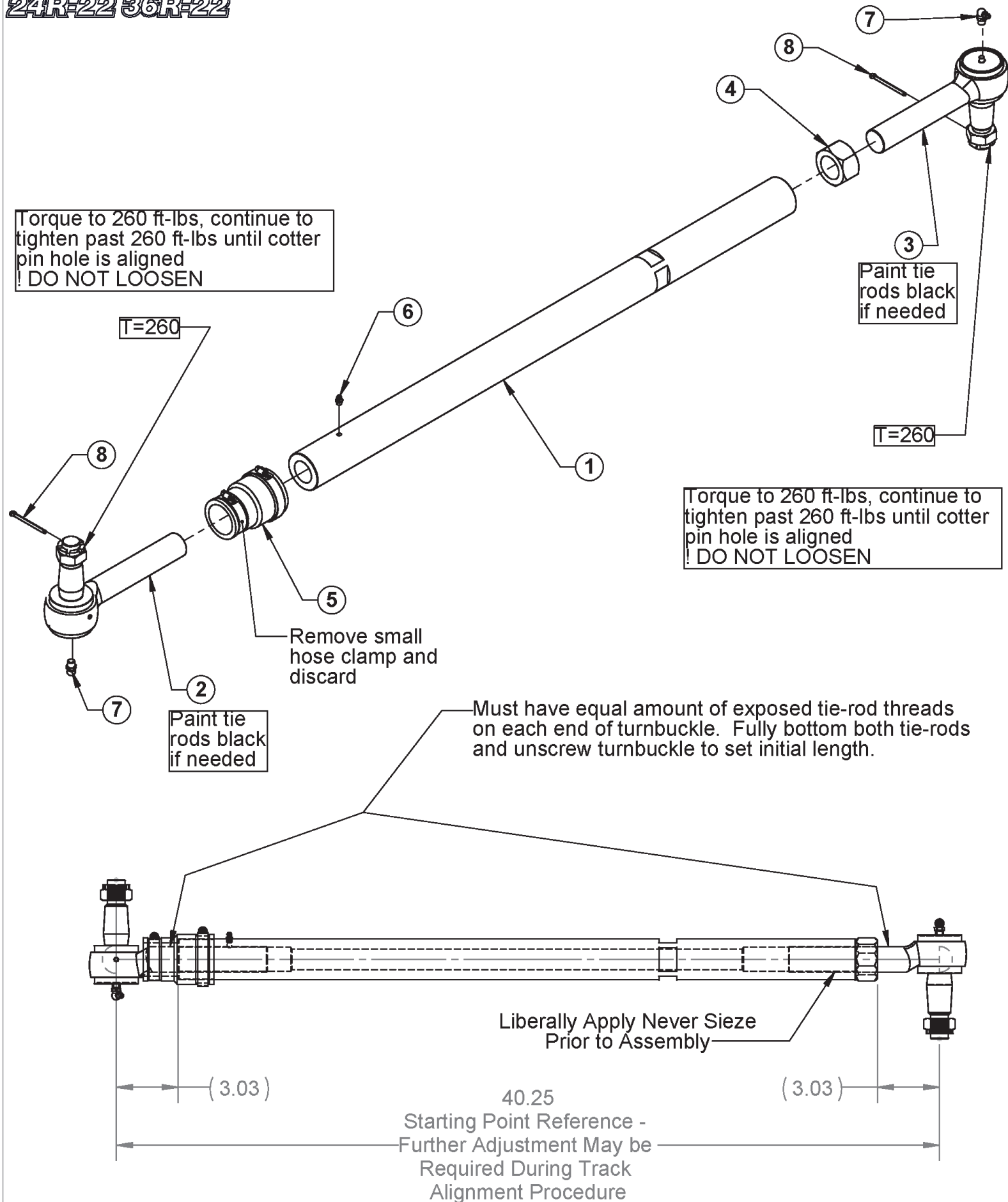


TA00843 Assy, Slider

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0052385	Pad, Slider - w/ Dado Cut	1	
2	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4	



TA00801 Assy, Slider				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4	
2	T0052285	Pad, Slider	1	

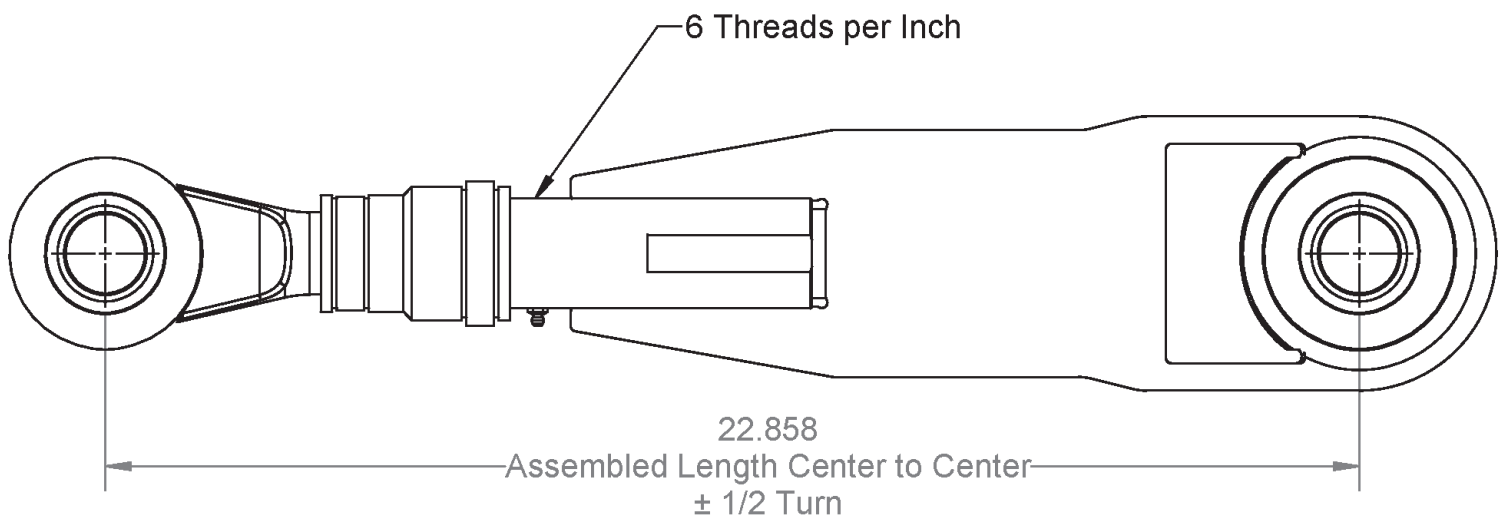
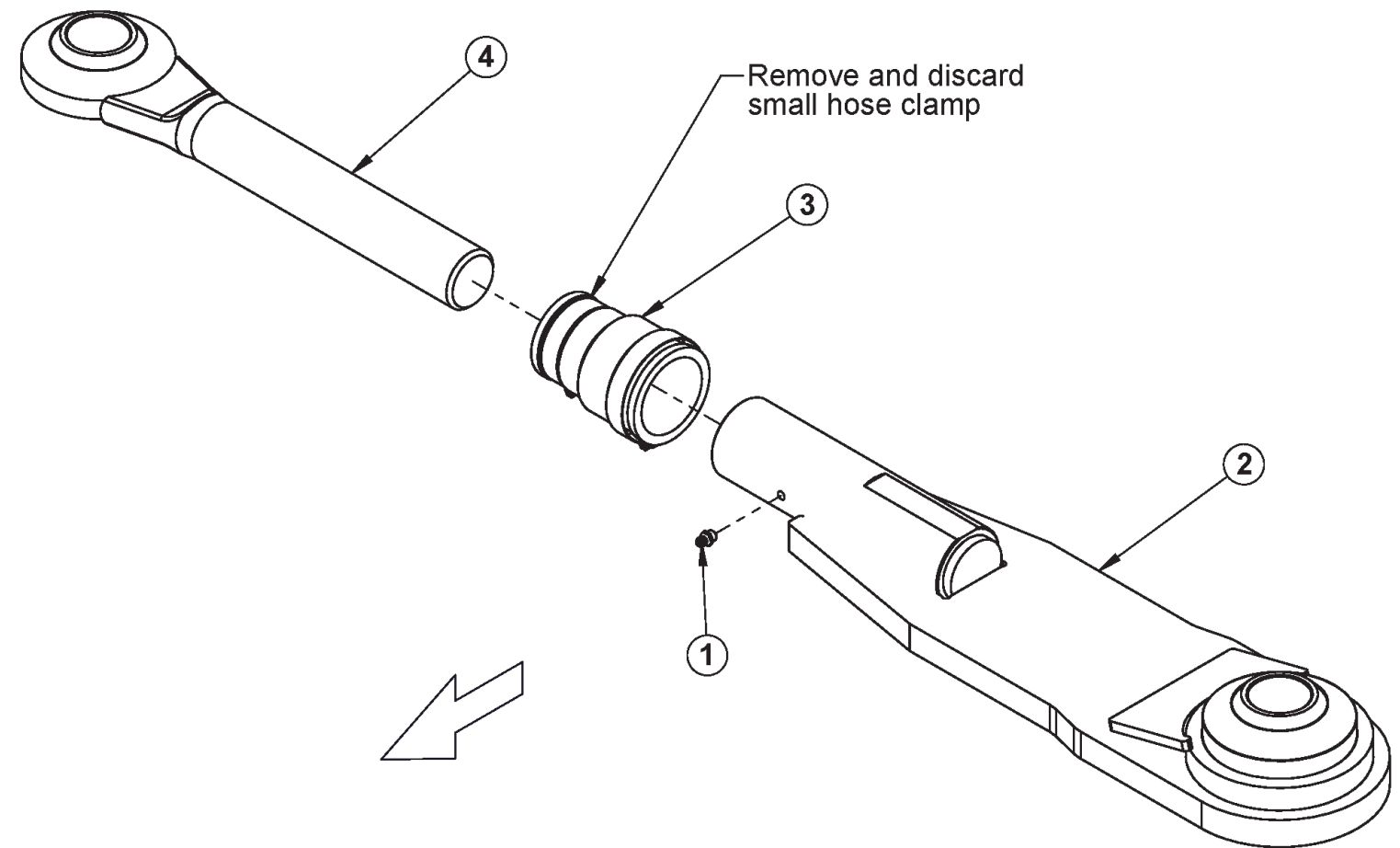


TA01077 Assy, Tie Rod

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0053882	Turnbuckle	1	
2	T0053839	Tie Rod End, Outter LH Thrds	1	
3	T0053945	Tie Rod End, Inner RH Thrds	1	
4	HNUT-1.250-12Y8	Nut, Hex 1-1/4-12 YZ8	1	
5	T0054207	1.5" x 1.25" Rubber Coupling	1	
6	ZERK-0.250-28	Zerk, 1/4-28	1	
7	ZERK-0.250-28X90	Zerk, Grease 1/4-28x90 Deg	2	
8	CTPIN-0.156X2.00	COTTERPIN 5/32 X 1-1/2	2	

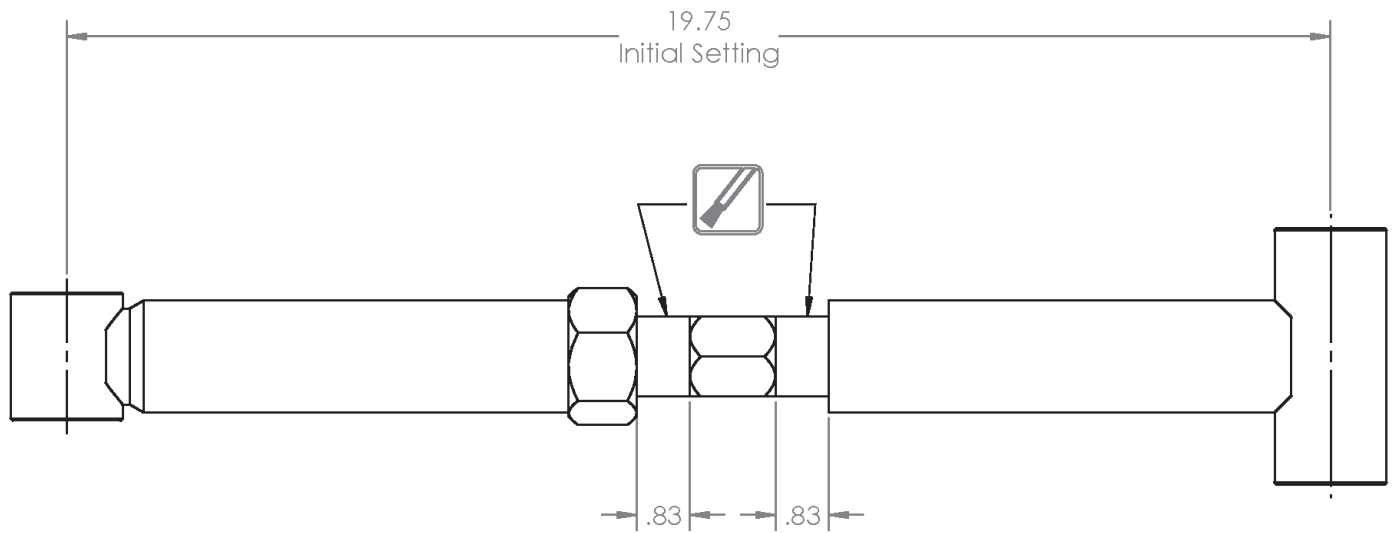
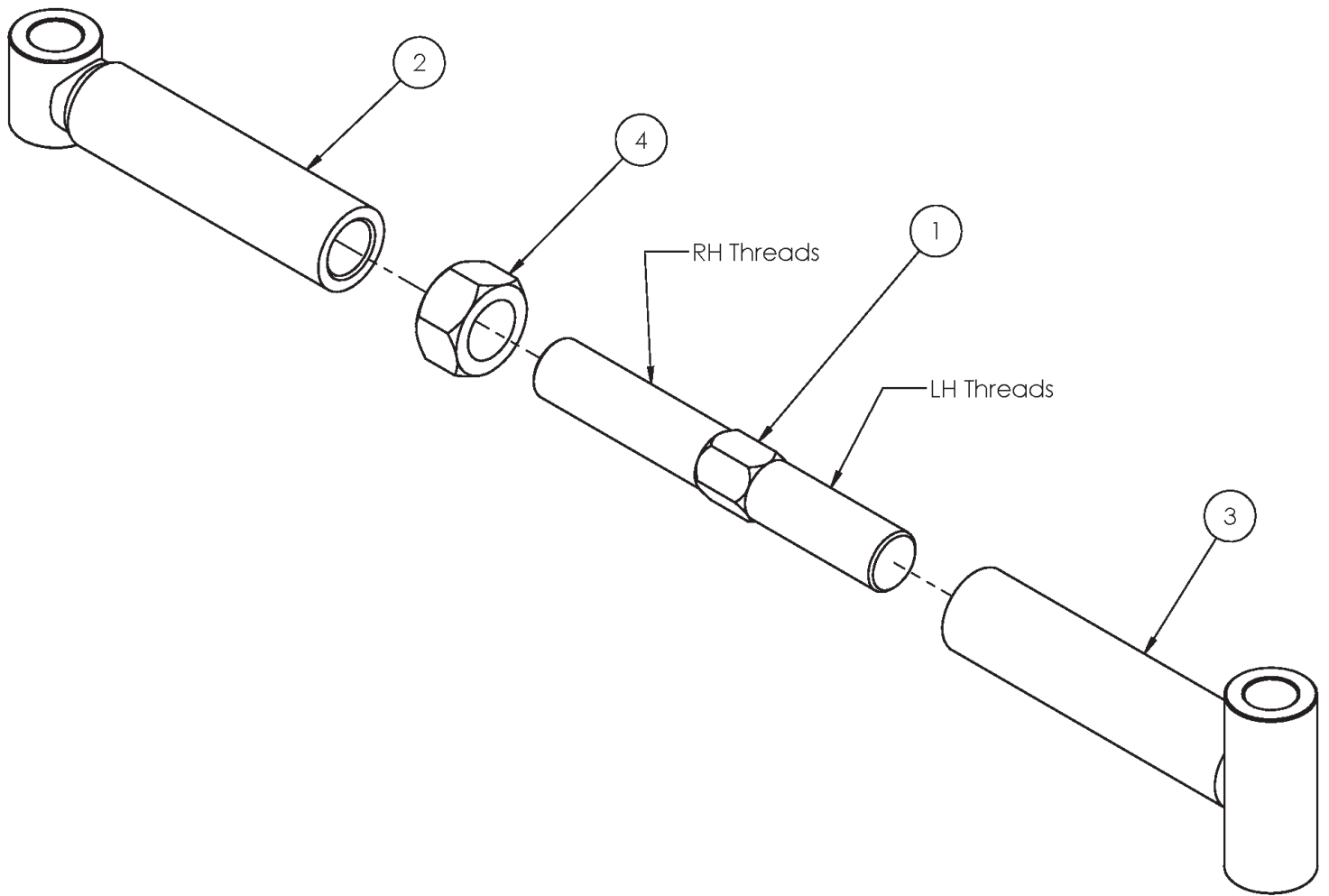
Note:

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.
3. Paint tie rods black if needed.



TA01117 Tilt Control Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	ZERK-0.250-28	Zerk, 1/4-28	1	
2	TW001063	Wldmt, Tilt Stop	1	
3	T0054207	1.5" x 1.25" Rubber Coupling	1	
4	T0051213	RH End Link	1	



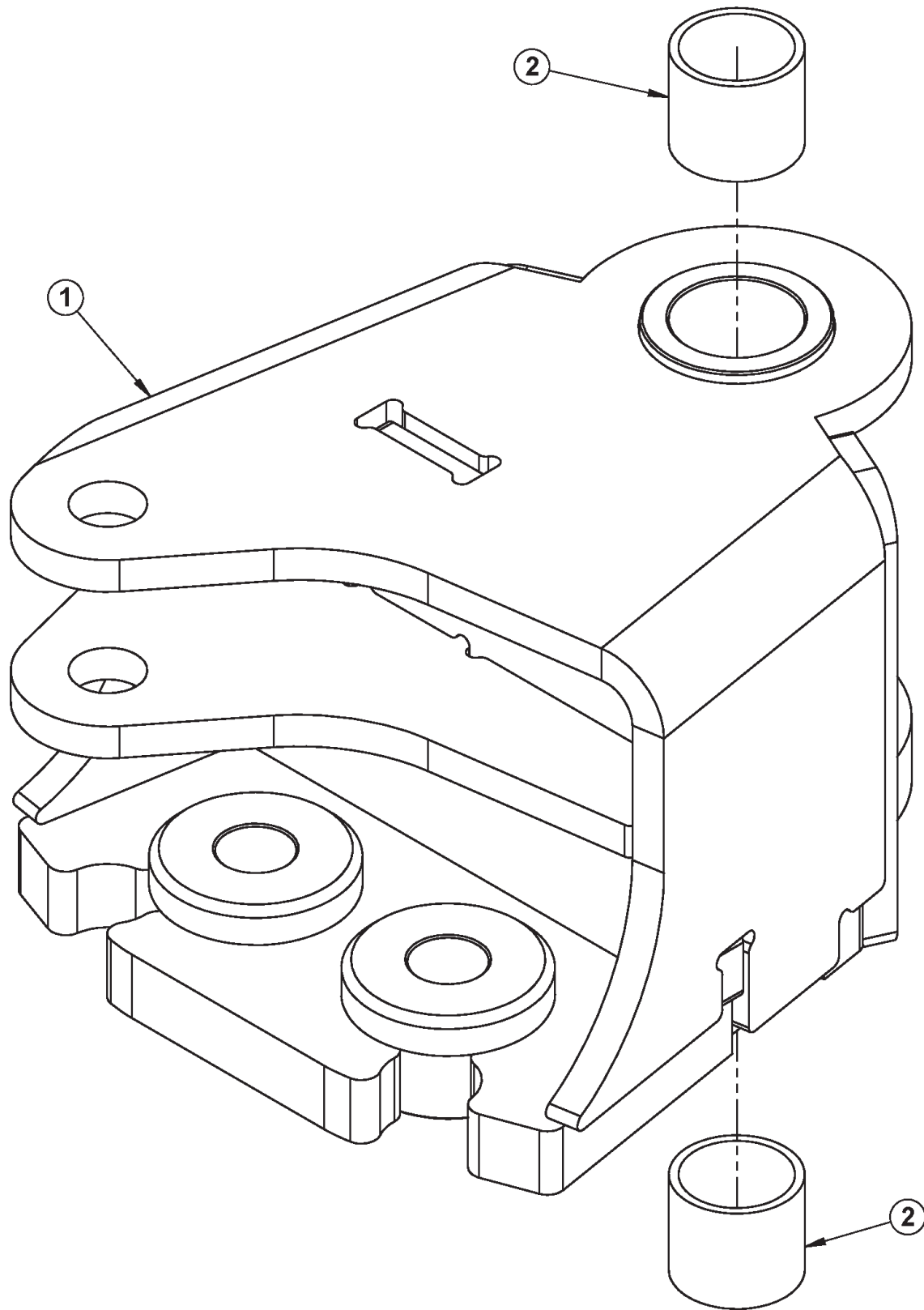
Thread lengths must be equal

TA01637 Assy, Turnbuckle

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0055292	Shaft, Turnbuckle	1	
2	TW001289	Wdmt, Turnbuckle RH	1	
3	TW001290	Wdmt, Turnbuckle LH	1	
4	HNUT-1.250-12Y8	Nut, Hex 1-1/4-12 YZ8	1	

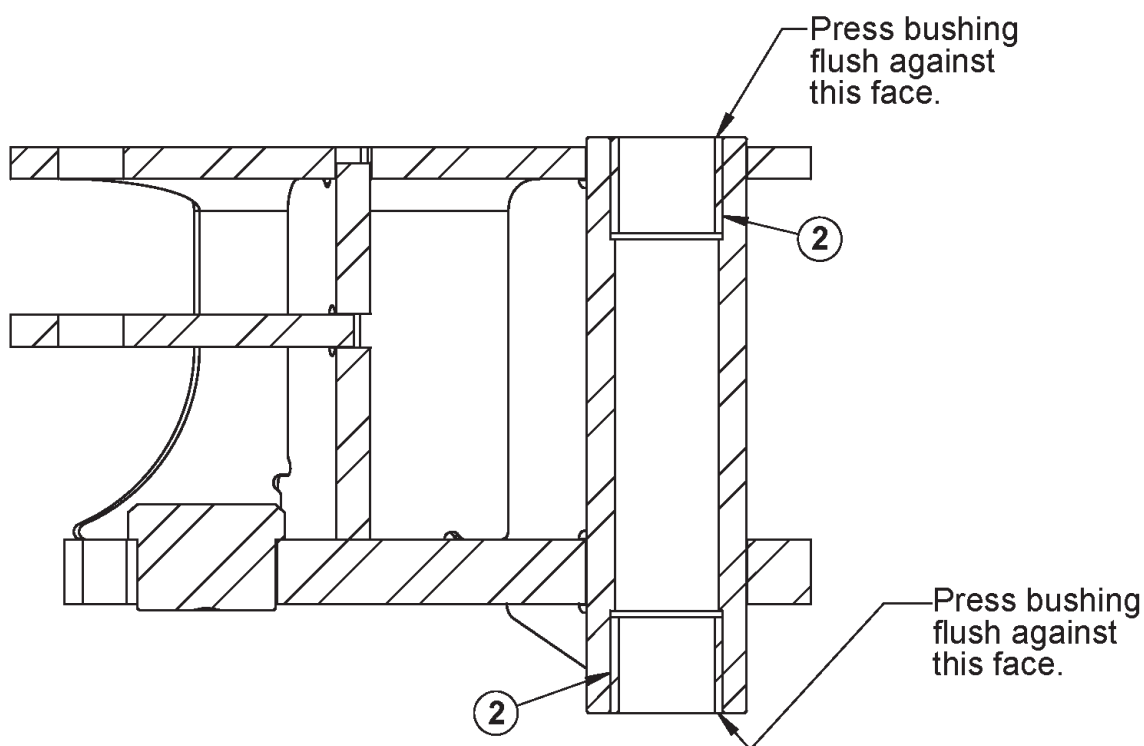
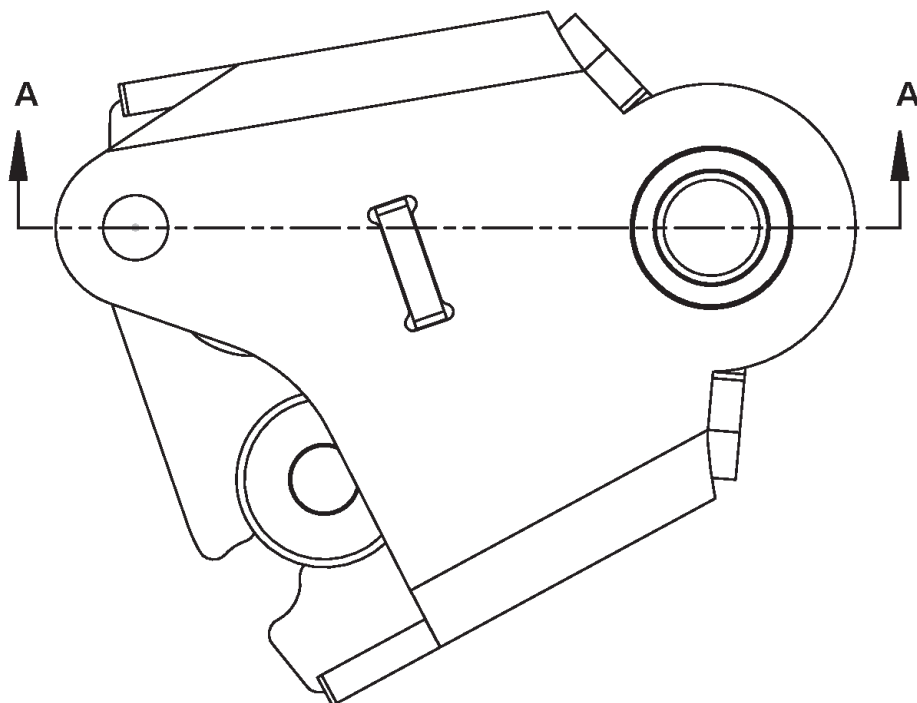
Note:

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.
3.  = Apply Anti-Seize



TA01916 Assy, Steering Pivot

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001458	Wldmt, Steering Pivot	1	
2	PB-1.500X1.75X1.50	Bush, Polygon 1.50x1.75x1.50	2	



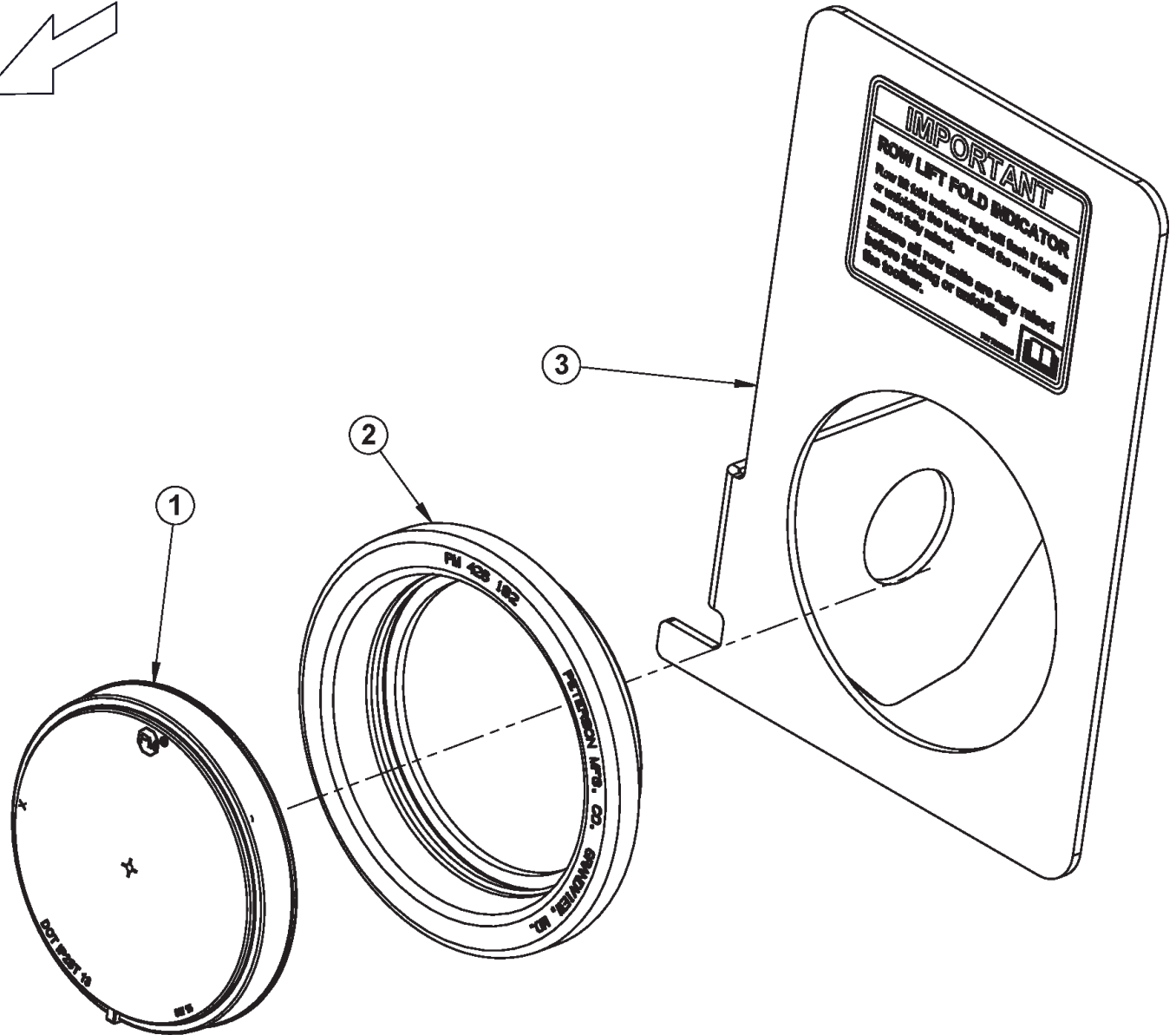
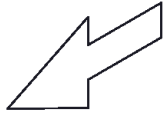
SECTION A-A
SCALE 1 : 3

TA01921 Assy, Track Tension Valve

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-06MFS-06MB-06MFS	Adapter, 06MFS-06MB-06MFS Tee	1	
2	AD-06MFS-06MB-90	Adapter, 06MFS-06MB 90	2	
3	AD-06MFS-06MB	Adapter, 06MFS-06MB	4	
4	AD-06MFS-06MFS-06FST	Adapter, 06MFS-06MFS-06FST Tee	1	
5	AD-06MFS-06MFS-06MFS	Adapter, 06MFS-06MFS-06MFS Tee	1	
6	AD-06MFS-08MB	Adapter, 06MFS-08MB	1	
7	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	4	
8	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	2	
9	HB-0.375-16X3.00Y8	HBolt-0.3750-16x3.000-YZ8	2	
10	HS04-013-06FS-06FS-B	Hose 0.250-013-06FS-06FS-B	1	
11	T0054379	Valve Assy, Track Tension	1	
12	T0054469	Cap, Rubber	1	
13	T0054476	Diagnostic Nipple	1	
14	T0054501	Accumulator, Track Tension	1	
15	TA01484	Assy, Accumulator Clamp	1	

Note:

1. **T=XXX** = Torque, and is expressed in ft-lbs.

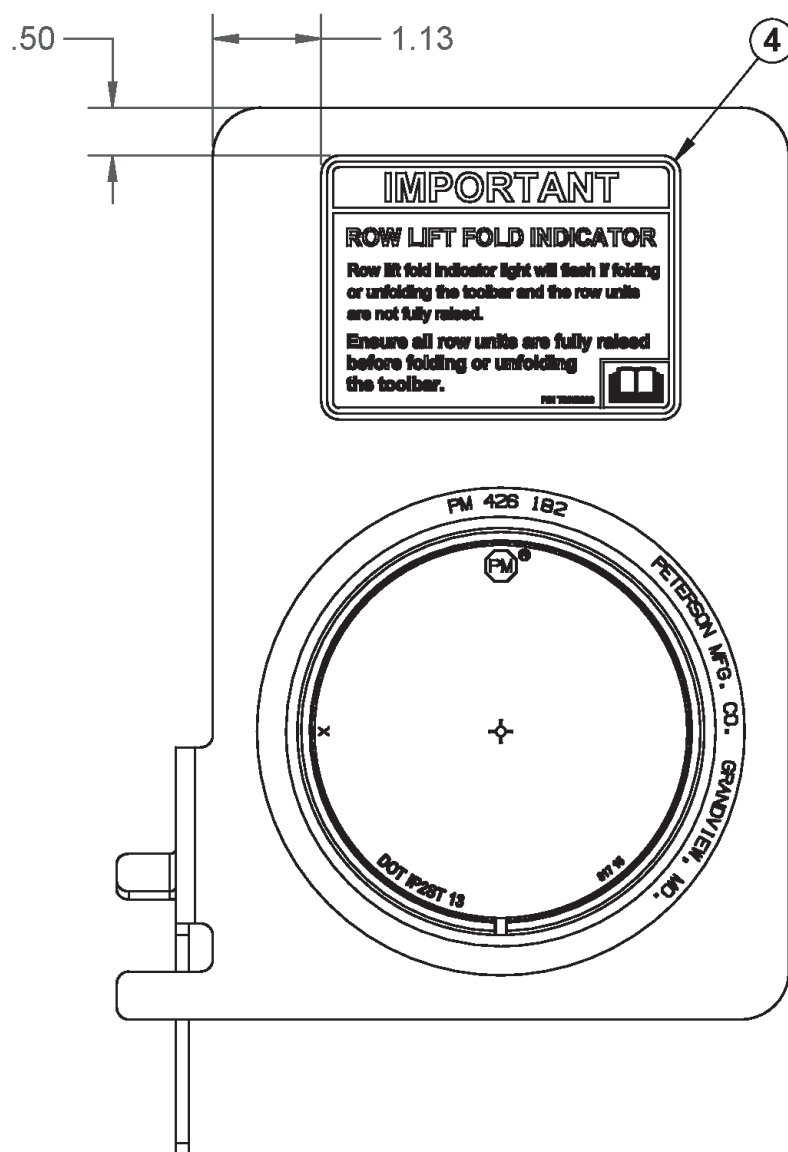


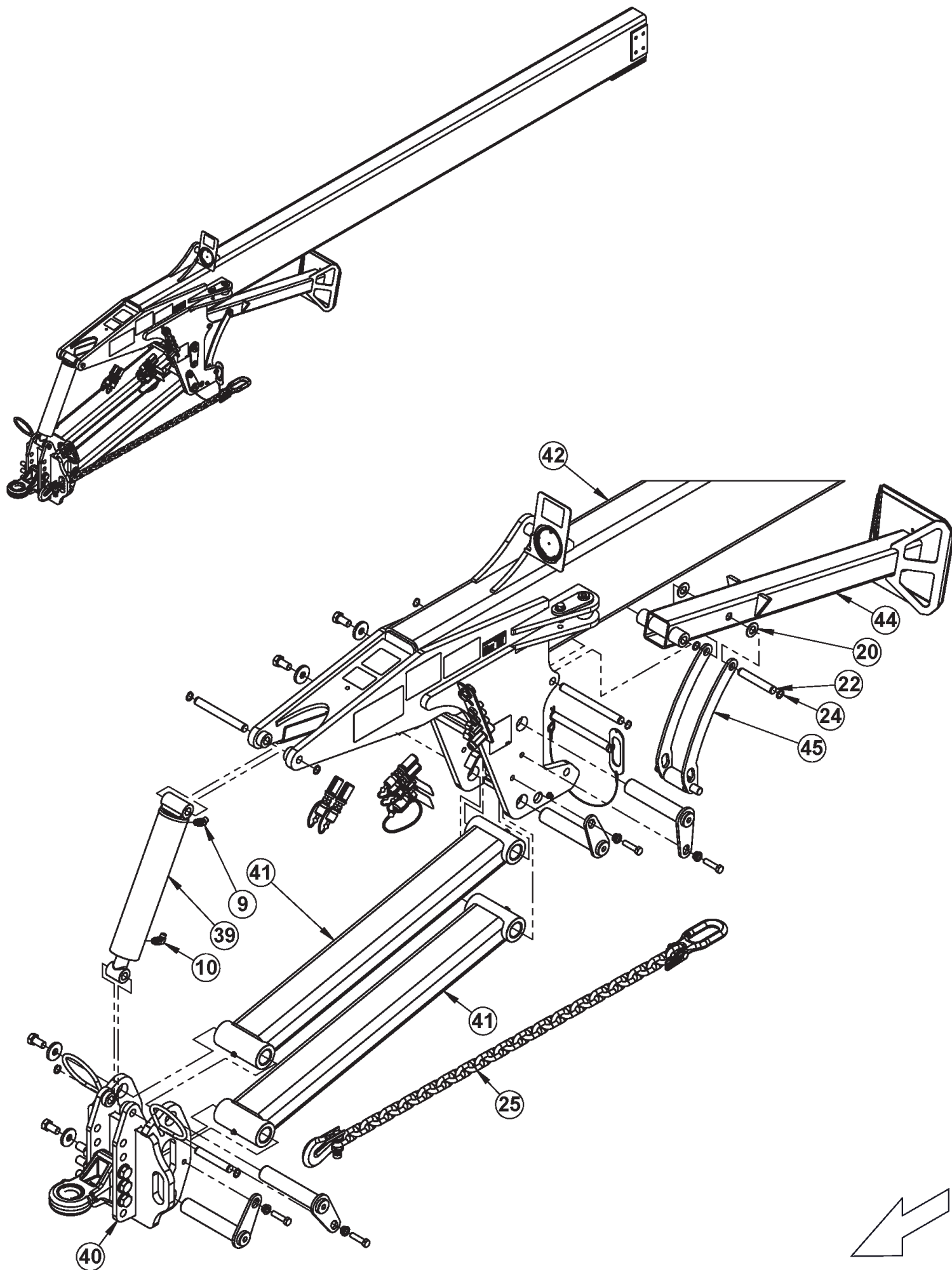
TA02103 Assy, Row Lift Indicator

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0056205	Light, 4" Amber LED Strobe	1	
2	T0056206	Grommet, 4" Light	1	
3	T0056207	Mount, Row Lift Indicator	1	
4	T0056208	Decal, Row Lift Indicator	1	

Note:

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TA02027 Assy, 40/44' 2000 Hydraulic Drawbar Hitch

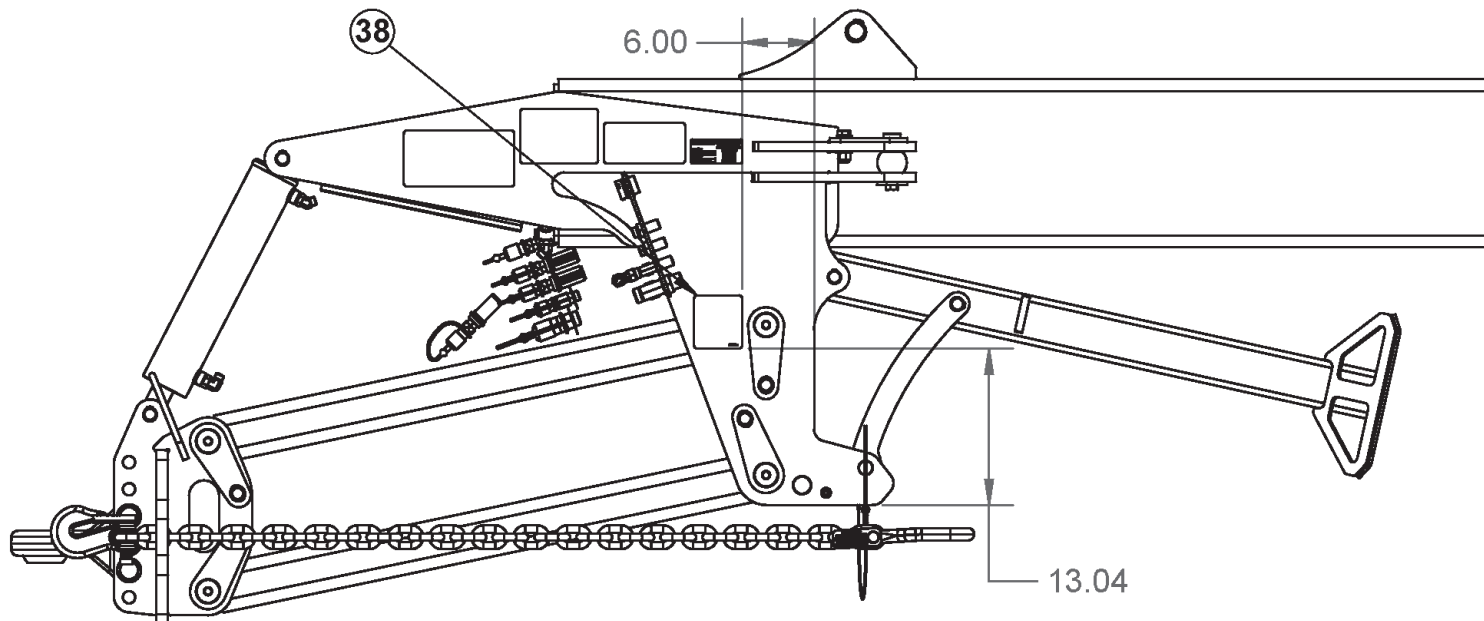
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	84389953	Sensor, Drain Pressure	1	
2	90-38-0250	Adapter, Straight, 08 MO x 08 MO	7	
3	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	0.5	
4	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	0.5	
5	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	0.5	
6	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1	
7	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1	
8	AD-06FB-08FST	Adapter, 06FB-08FST	1	
9	AD-06MFS-08MB-45	Adapter, 06MFS-08MB 45	3	
10	AD-06MFS-08MB-90	Adapter, 06MFS-08MB 90	1	
11	AD-06MFS-08MB	Adapter, 06MFS-08MB	2	
12	AD-08MFS-08FST-90	Adapter, 08MFS-08FST 90	1	
13	AD-08MFS-08MB	Adapter, 08MFS-08MB	1	
14	AD-08MFS-08MFS-08MFS-BHR	Adapter, 08MFS-08MFS-08MFS BH Run	2	
15	AD-08MFS-08MFS-BH	Adapter, 08MFS-08MFS BH	5	
16	AD-12MFS-12MB	Adapter, 12MFS-12MB	1	
17	AD-12MFS-12MFS-12MFS-BHR	Adapter, 12MFS-12MFS-12MFS BH Run	1	
18	AD-12MFS-12MFS-BH90	Adapter, 12MFS-12MFS BH 90	1	
19	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	2	
20	FW-SAE-1.000Y	Washer, Flat SAE 1 YZ	2	
21	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4 YZ8	2	
22	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
23	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	2	
24	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	2	
25	T0051511	Safety Chain-61,000 lbs. 80"	1	
26	T0051595	Decal, Notice-Fan Motor Case	1	
27	T0051660	Tip, 1/2" Pioneer	7	
28	T0051678	Decal, Notice-Motor Return	1	
29	T0052376	Tip, Motor Return w/Relief	1	
30	T0052377	Tip, Case Drain w/Relief	1	
31	T0052386	Dust Plug, Pioneer Black	7	
32	T0052387	Dust Cap, Motor Return Black	1	
33	T0052388	Dust Cap, Case Drain Black	1	
34	T0055125	Valve, Double Blocking	1	
35	T0055981	AD-06MFS-06FST w/ORF	1	
36	T0055987	Tube Assy, Crossover	1	
37	T0055988	Tube Assy, Crossover	1	
38	T0056033	Decal, Important - Hose Color Chart	1	
39	TA01496	Cylinder, Hyd 3.50X16.00	1	
40	TA01511	Assy, Hitch	1	
41	TA01513	Assy, Pivot Tube	2	
42	TA01768	Assy, Front Hitch	1	
43	TA01934	Hose Kit, Hyd Hitch	1	
44	TW001495	Wdmt, Jack Stand	1	
45	TW001496	Wdmt, Jack Pivot Support	1	

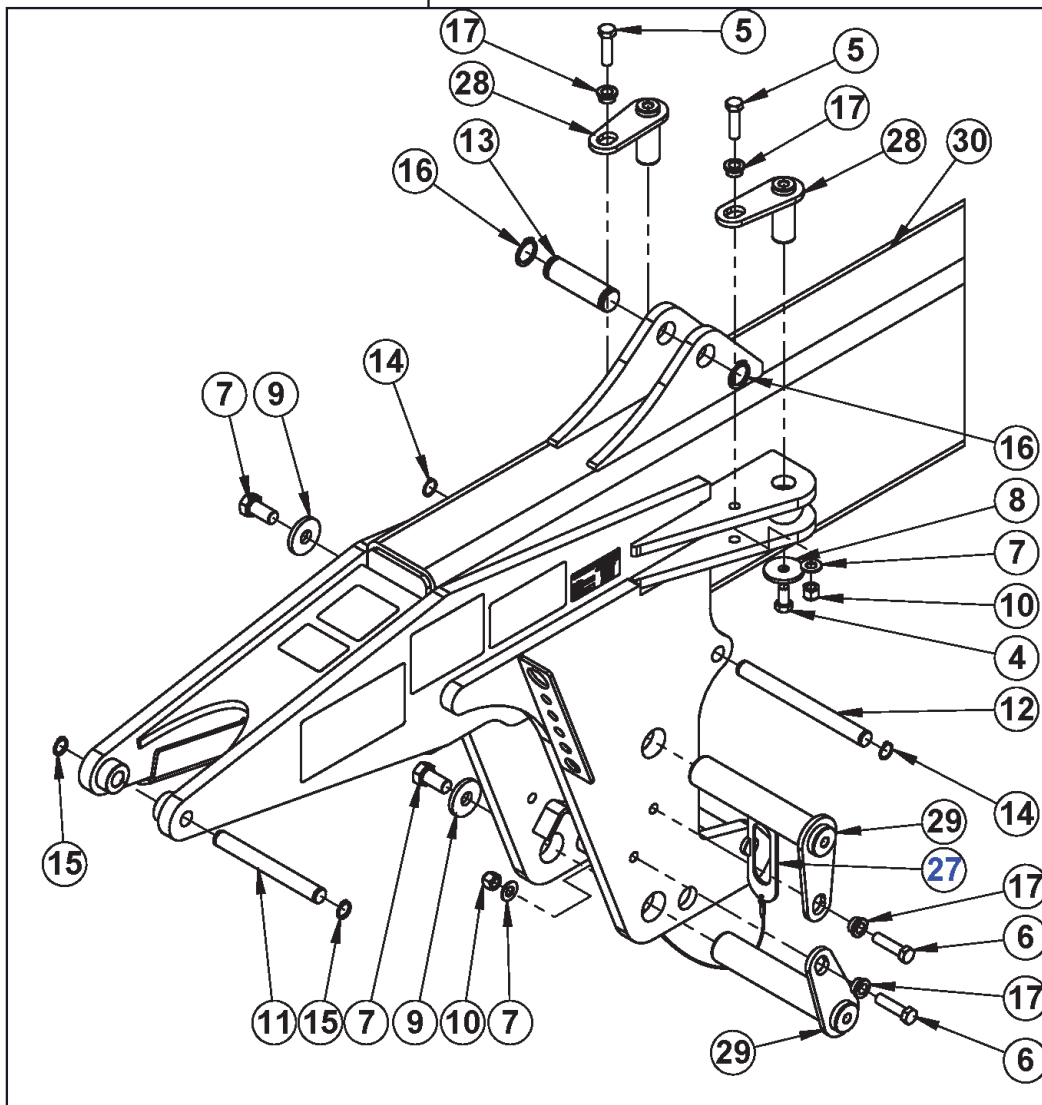
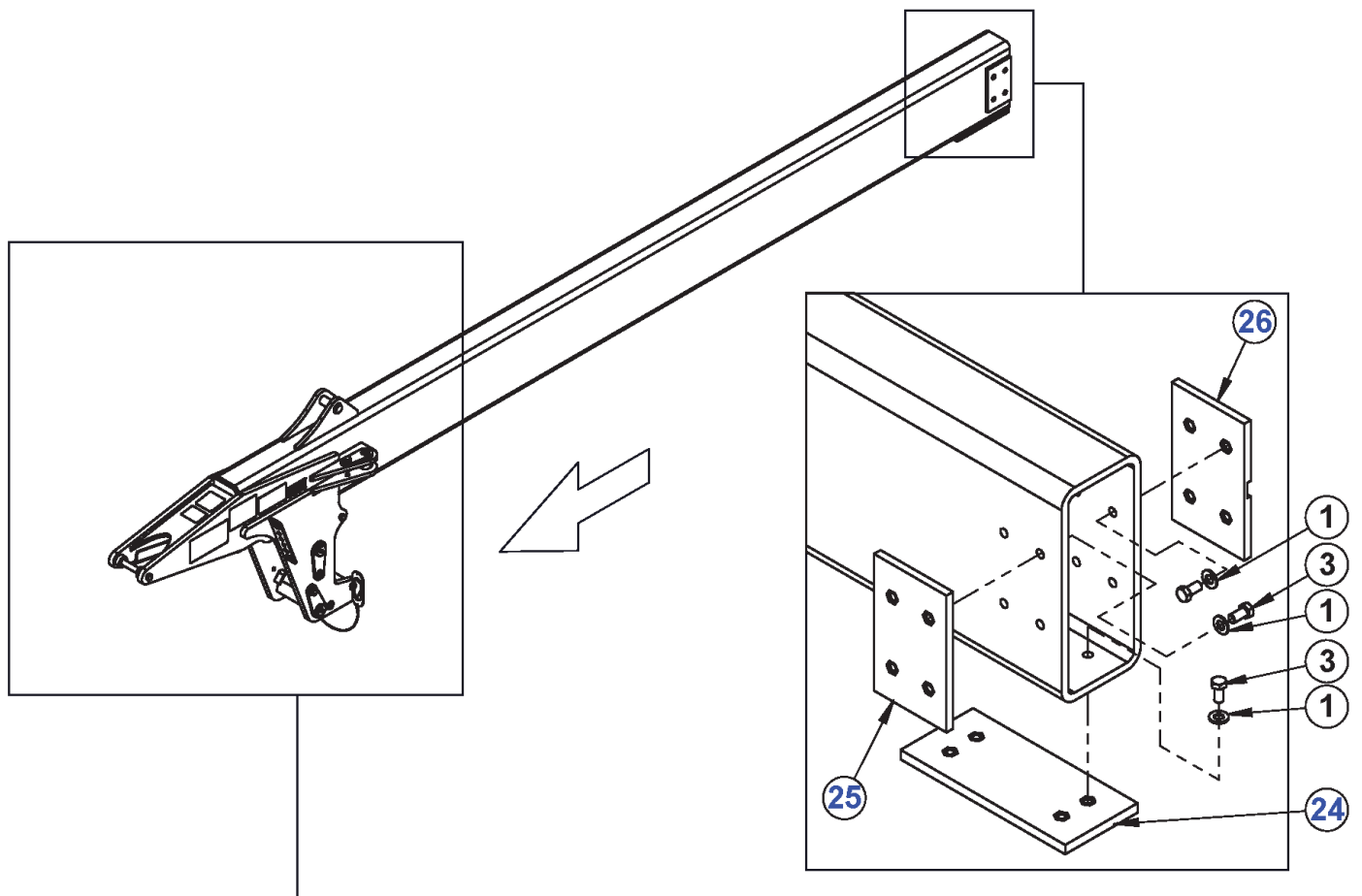
Note:

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.

TA02027 Assy, 40/44' 2000 Hydraulic Drawbar Hitch

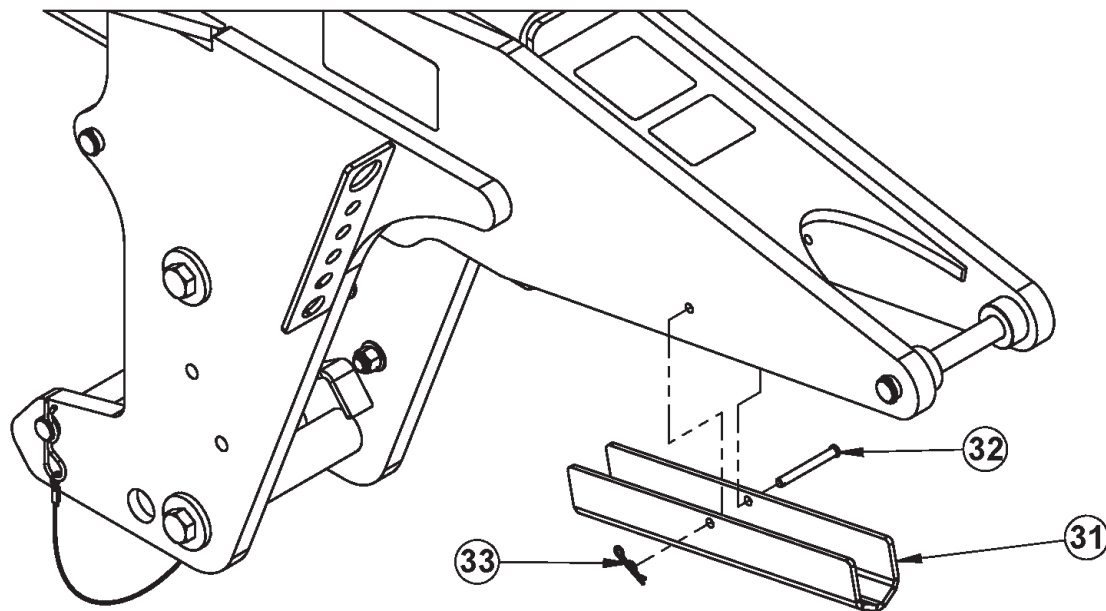
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	84389953	Sensor, Drain Pressure	1	
2	90-38-0250	Adapter, Straight, 08 MO x 08 MO	7	
3	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	0.5	
4	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	0.5	
5	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	0.5	
6	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1	
7	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1	
8	AD-06FB-08FST	Adapter, 06FB-08FST	1	
9	AD-06MFS-08MB-45	Adapter, 06MFS-08MB 45	3	
11	AD-06MFS-08MB	Adapter, 06MFS-08MB	2	
12	AD-08MFS-08FST-90	Adapter, 08MFS-08FST 90	1	
13	AD-08MFS-08MB	Adapter, 08MFS-08MB	1	
14	AD-08MFS-08MFS-08MFS-BHR	Adapter, 08MFS-08MFS-08MFS BH Run	2	
15	AD-08MFS-08MFS-BH	Adapter, 08MFS-08MFS BH	5	
16	AD-12MFS-12MB	Adapter, 12MFS-12MB	1	
17	AD-12MFS-12MFS-12MFS-BHR	Adapter, 12MFS-12MFS-12MFS BH Run	1	
18	AD-12MFS-12MFS-BH90	Adapter, 12MFS-12MFS BH 90	1	
19	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	2	
21	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4 YZ8	2	
23	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	2	
26	T0051595	Decal, Notice-Fan Motor Case	1	
27	T0051660	Tip, 1/2" Pioneer	7	
28	T0051678	Decal, Notice-Motor Return	1	
29	T0052376	Tip, Motor Return w/Relief	1	
30	T0052377	Tip, Case Drain w/Relief	1	
31	T0052386	Dust Plug, Pioneer Black	7	
32	T0052387	Dust Cap, Motor Return Black	1	
33	T0052388	Dust Cap, Case Drain Black	1	
34	T0055125	Valve, Double Blocking	1	
35	T0055981	AD-06MFS-06FST w/ORF	1	
36	T0055987	Tube Assy, Crossover	1	
37	T0055988	Tube Assy, Crossover	1	
38	T0056033	Decal, Important - Hose Color Chart	1	

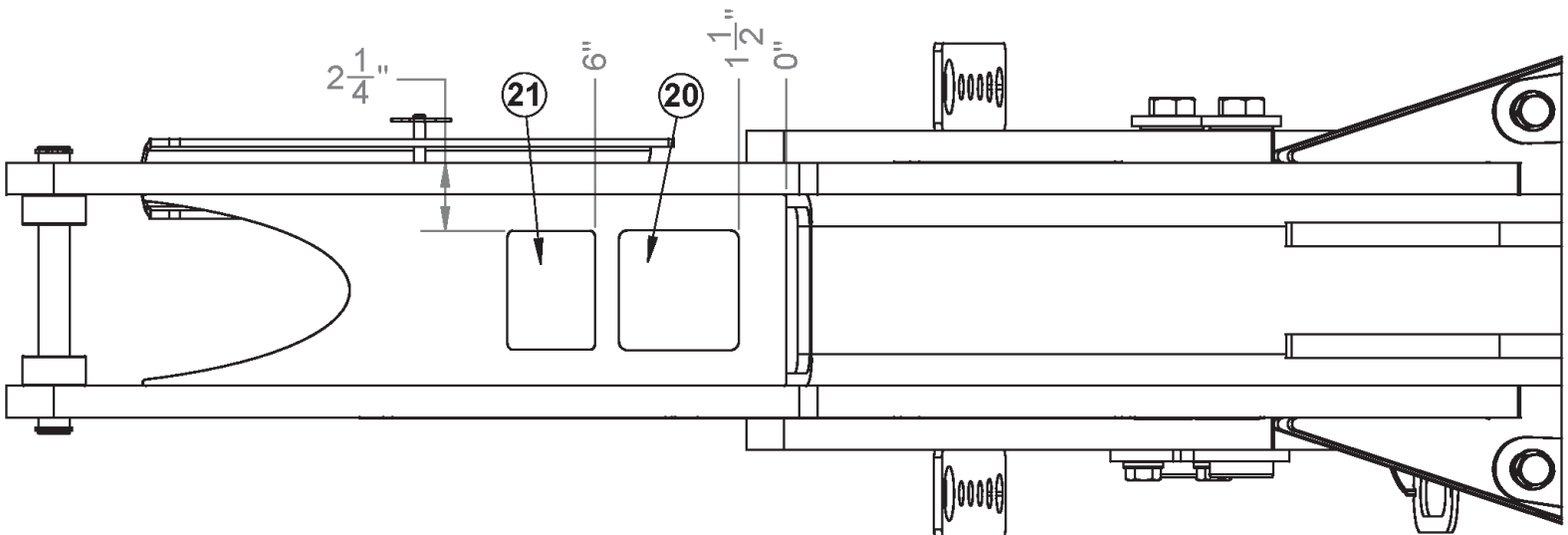
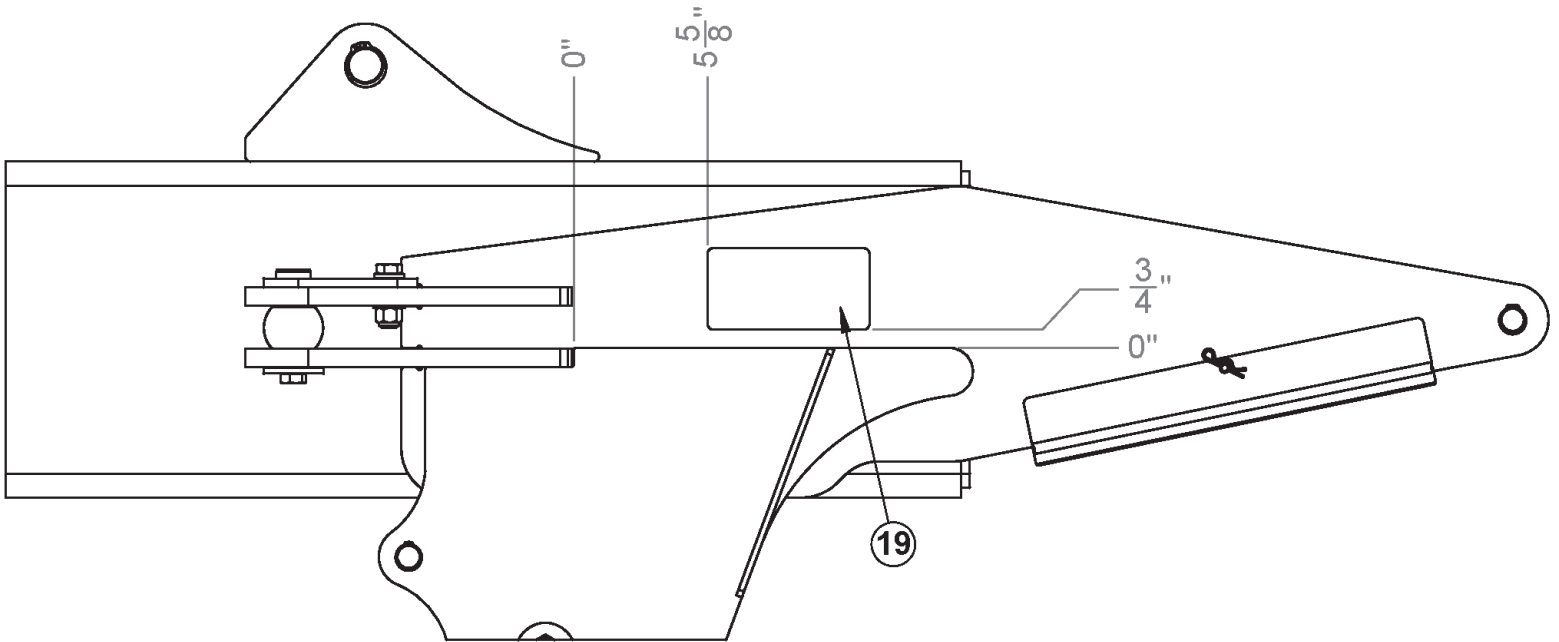
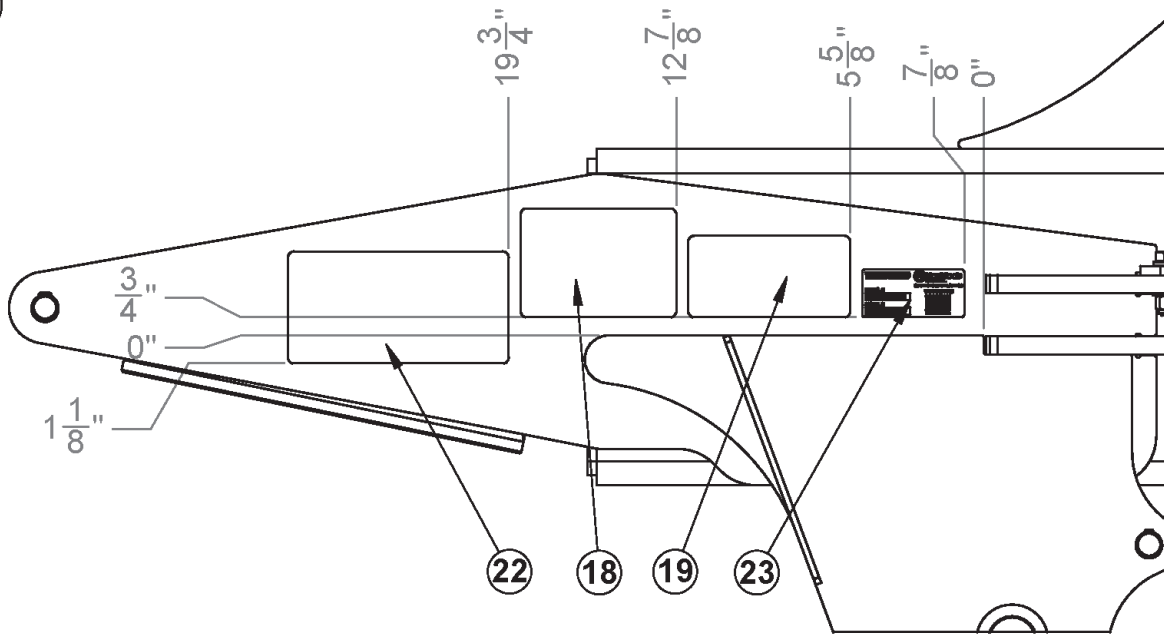




TA01768 Assy, Front Hitch

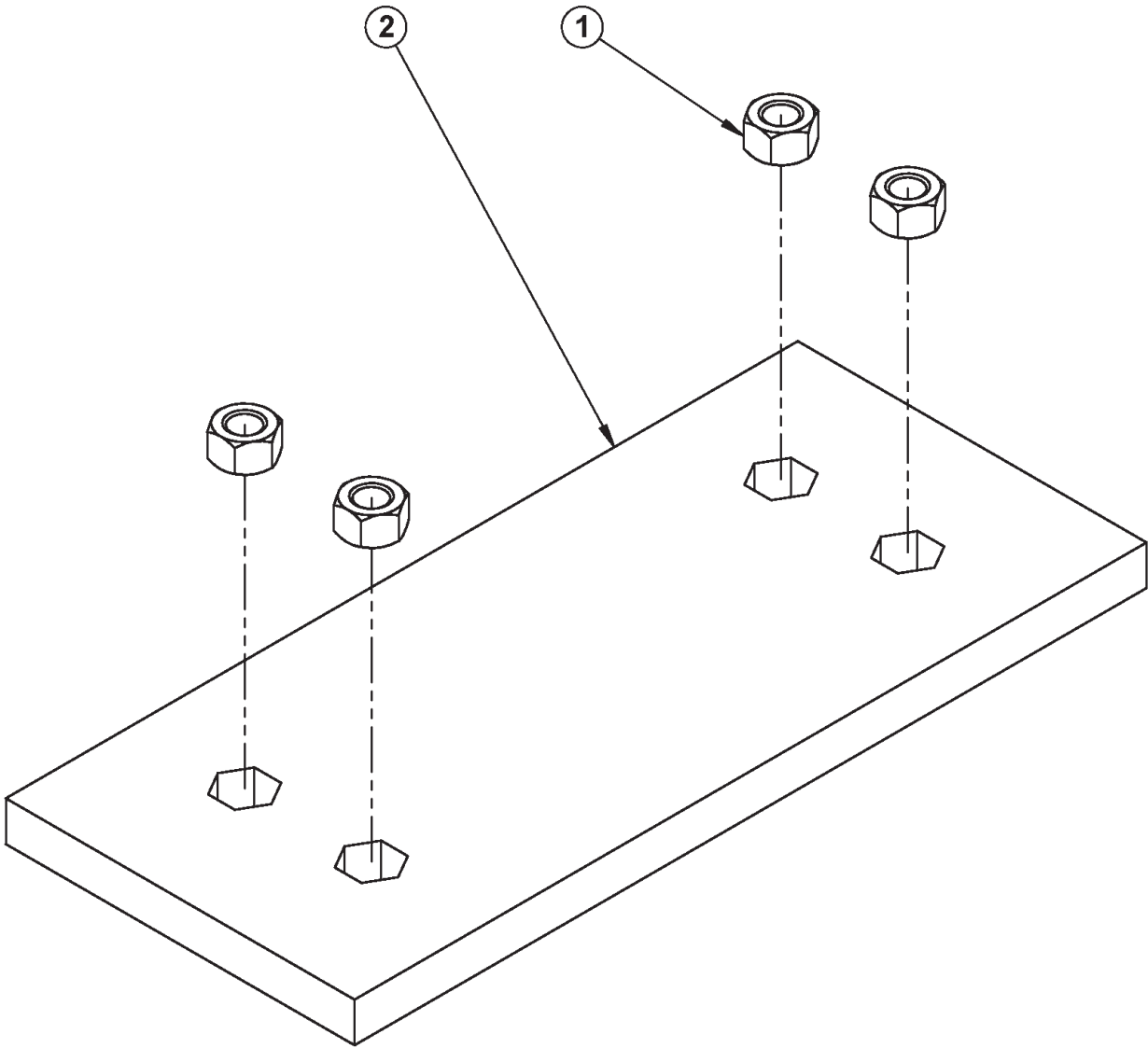
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	12	
7	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
3	HB-0.500-13X1.00Y8	Bolt, Hex Hd 1/2-13x1 YZ8	12	
4	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
5	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
6	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	2	
7	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	
8	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	
9	HDWSH-0.89X2.50Y	HD Washer 0.89 x 2.50	2	
10	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	4	
11	PIN-1.000X8.625Y	Pin-1.0000x8.6250-YZ	1	
12	PIN-1.000X10.63Y	Pin-1.0000x10.625-YZ	1	
13	PIN-1.50X4.50Y	Pin-1.50x4.50-YZ	1	
14	SRING-EXT-1.00	Ring, Retaining Ext Shaft-1.0"	2	
15	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
16	SRING-EXT-HD-1.50Y	SRING-EXT-HD-1.50Y	2	
17	T0050854	Anti Rotation Insert	4	
18	T0051573	Decal, Warning-Machine Safety	1	
19	T0051575	Decal, Warning-Tipping Hazard	2	
20	T0051669	Decal, Warning-Hyd Fluid	1	
21	T0051702	Decal, Important-Case Drain	1	
22	T0053462	Decal, Warning-Machine Transp	1	
23	T0055737	Decal, S/N Yieldtrac (Generic)	1	
24	TA00800	Slider Assembly	1	
25	TA00801	Assy, Slider	1	
26	TA00843	Assy, Slider	1	
27	TA01514	Assy, Hitch Pin With Lanyard	1	
28	TW000630	Pin Weldment	2	
29	TW000950	Pin Weldment	2	
30	TW001381	Wldmt, Front Hitch	1	
31	T0055769	Channel, Transport Lock	1	
32	CLPIN-0.375X3.25Y	Clevis Pin, Ø3/8" X 3-1/4 YZ	1	
33	HPINCLIP-0.313 YZ	Hair Pin Clip-Ø5/16" YZ	1	





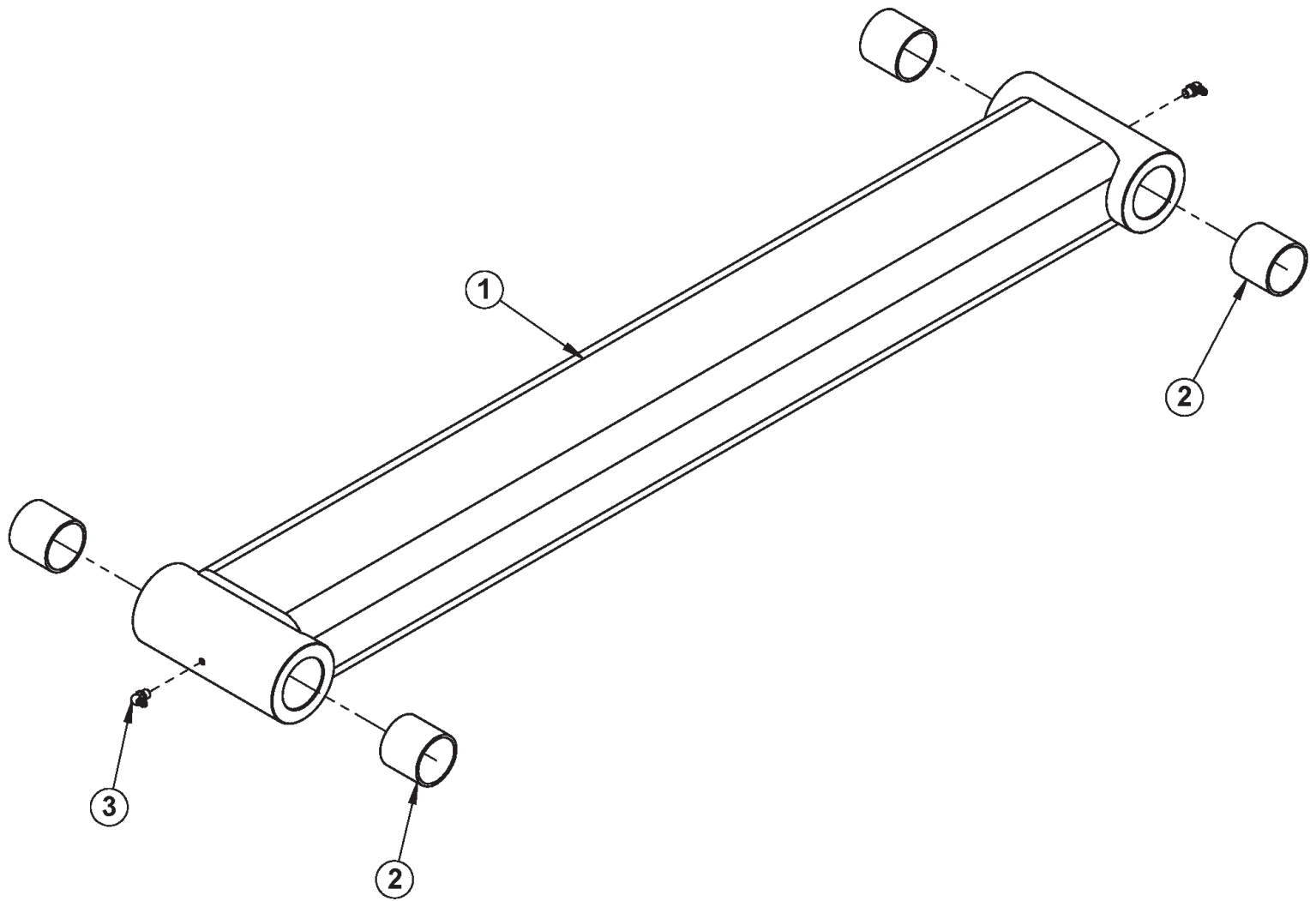
TA01768 Assy, Front Hitch

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
18	T0051573	Decal, Warning-Machine Safety	1	
19	T0051575	Decal, Warning-Tipping Hazard	2	
20	T0051669	Decal, Warning-Hyd Fluid	1	
21	T0051702	Decal, Important-Case Drain	1	
22	T0053462	Decal, Warning-Machine Transp	1	
23	T0055737	Decal, S/N Yieldtrac (Generic)	1	



TA00800 Slider Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4	
2	T0052284	Pad, Slider	1	

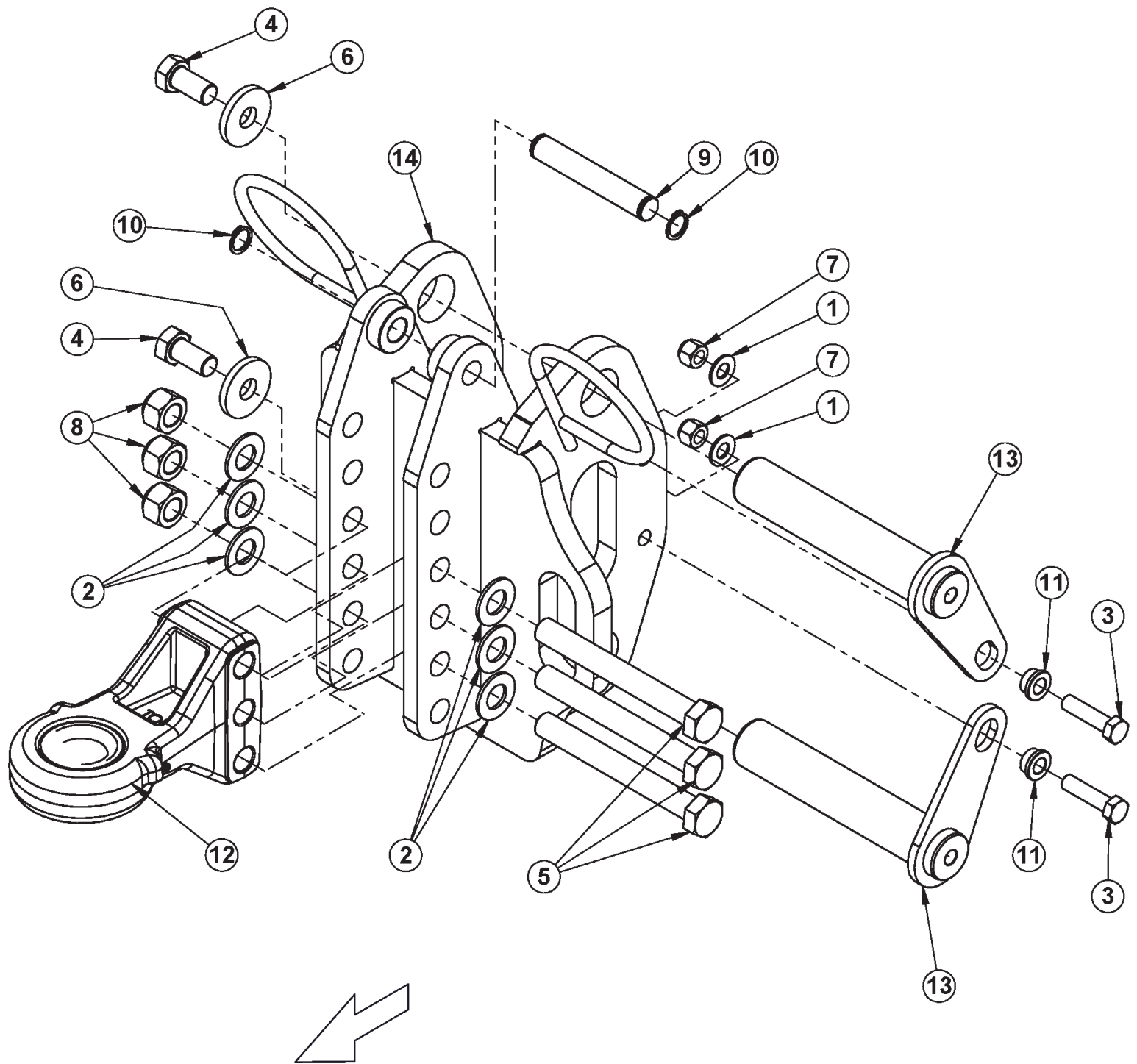


TA01513 Assy, Pivot Tube

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW001246	Wdmt, Front Hitch Parallel Arm	1	
2	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	4	
3	ZERK-0.250-28X90	Zerk, Grease 1/4-28x90 Deg	2	

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.



TA01511 Assy, Hitch

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	2	
2	FW-SAE-1.000Y	Washer, Flat SAE 1 YZ	6	
3	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	2	
4	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	2	
5	HB-1.000-8X8.50Y8	Bolt, Hex Hd 1-8x8-1/2 YZ8	3	
6	HDWSH-0.89X2.50Y	HD Washer, 57/64x2-1/2 YZ	2	
7	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
8	NLNUT-1.000-8Y8	Nylon Lock Nut, 1-8 YZ8	3	
9	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
10	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	2	
11	T0050854	Anti Rotation Insert	2	
12	T0055173	Hitch. CAT 4 3-Hole (Option)	1	
12	T0053463	CAT 5 Ball Hitch Assy (Option)	1	
13	TW000950	Pin Weldment	2	
14	TW001252	Wldmt, Front Hitch	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.

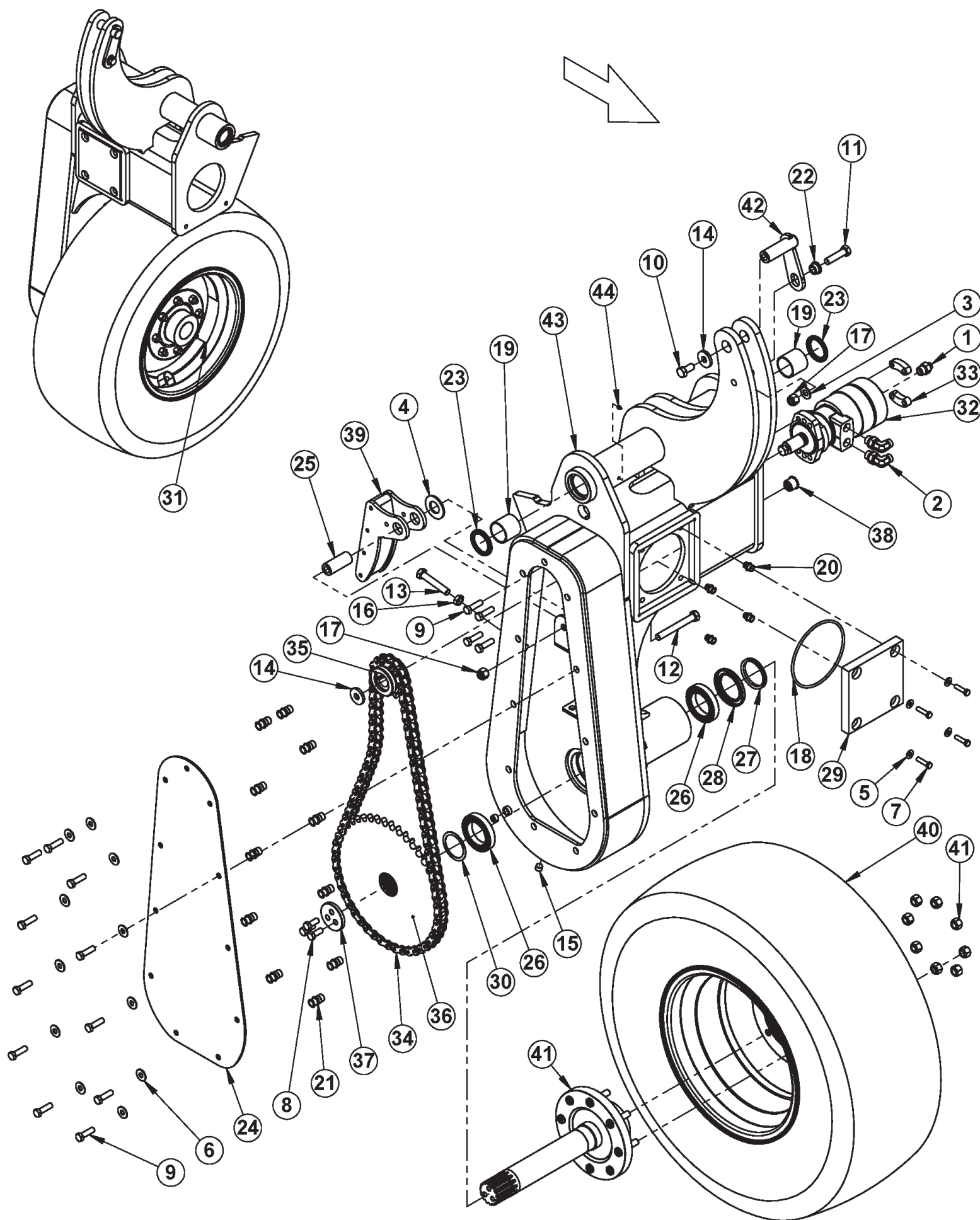


TA01904 Assy, 20"/22"/30" Single Wing Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	433478A1	Seal, Rubber	2	
2	AD-08MFS-08MB-90	AD-08MFS-08MB-90	2	
3	CLPIN-0.375X3.25Y	Clevis Pin, Ø3/8" X 3-1/4 YZ	1	
4	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	1	
5	DPIN-0.500X3.500C	Dowell Pin, Ø1/2"x3-1/2	4	
6	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	1	
7	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
8	HPINCLIP-0.313 YZ	Hair Pin Clip-Ø5/16" YZ	1	
9	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	1	
10	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
11	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	1	
12	PIN-1.000X2.88Y	PIN-1.000X2.88Y	3	
13	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
14	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	8	
15	T0050854	Anti Rotation Insert	1	
16	T0051869	Plate, Grease Friction	2	
17	T0054600	Channel - Wing Cylinder Stop	1	
18	T0055919	Plate, Wing Wheel Back Stop	1	
19	TA01182	Cylinder, Hyd 3.75X26.75 Reph	1	
20	TA01891	Assy, Rear Caster Arm Single Wheel	1	
21	TA01893	Assy, Single Wheel Caster	1	
22	TA01899	Assy, 20"/22"/30" Front Single Wing Wheel	1	
23	TW000905	Pin Weldment	1	
24	TW001442	Wldmt, Dog Bone Link	1	
25	TW001443	Wldmt, Link	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.

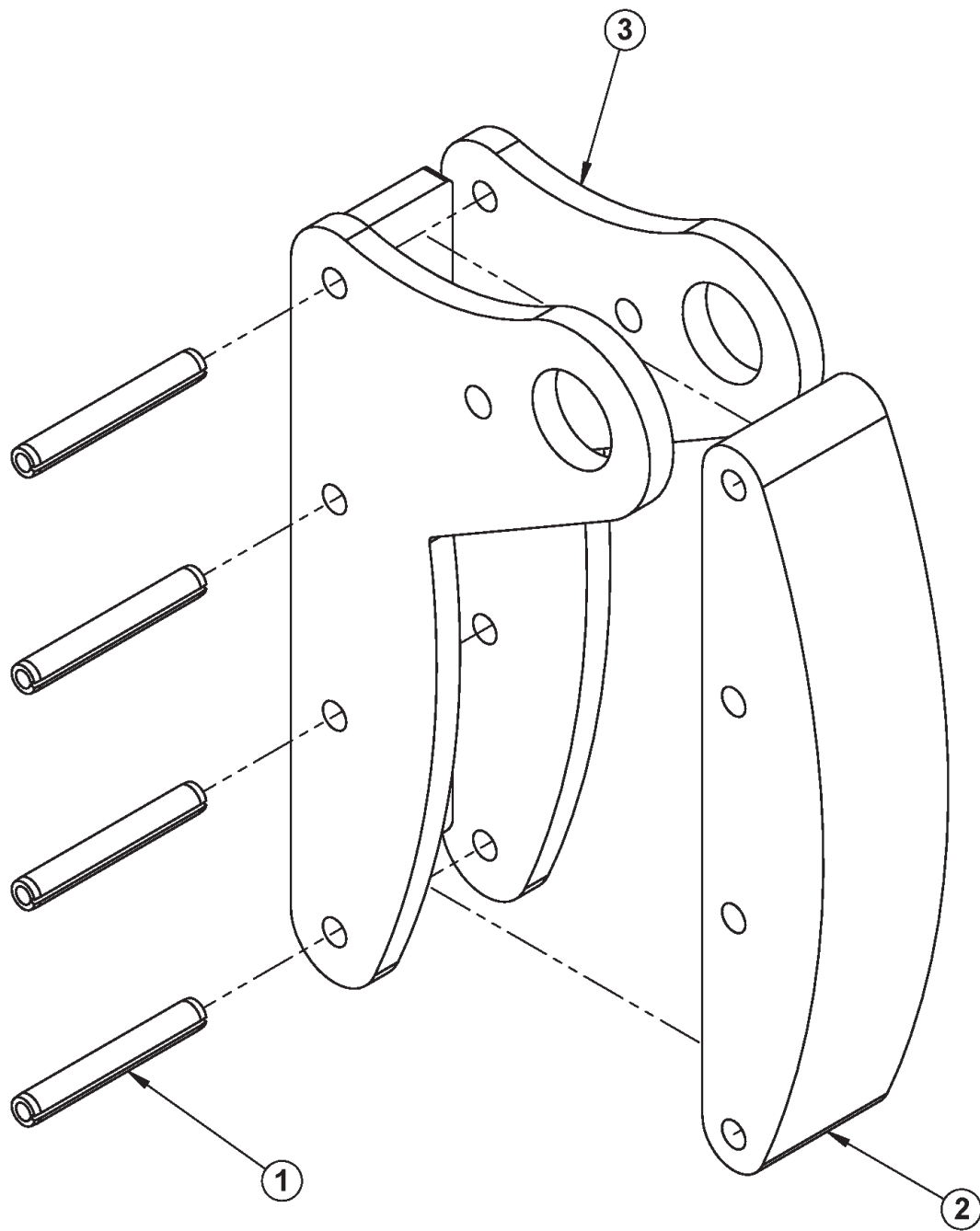


TA01899 Assy, 20"/22"/30" Front Single Wing Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-06MFS-10MB	Adapter, 06MFS-10MB	1	
2	AD-08MFS-10MB-90	Adapter, 08MFS-10MB 90	2	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	1	
4	FW-SAE-1.250Y	Washer, Flat SAE 1-1/4 YZ	1	
5	FW-USS-0.313Y	Washer, Flat USS 5/16 YZ	4	
6	FW-USS-0.438Y	Washer, Flat USS 7/16 YZ	11	
7	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2 YZ8	4	
8	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	3	
9	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	15	
10	HB-0.625-11X1.25Y8	Bolt, Hex Hd 5/8-11x1-1/4 YZ8	1	
11	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	1	
12	HB-0.625-11X5.00Y8	Bolt, Hex Hd 5/8-11x5 YZ8	1	
13	HBFT-0.625-11X3.50Y8	Bolt, Hex Hd 5/8-11x3-1/2 FT YZ8	1	
14	HDWSH-0.64X1.75Y	HD Washer 41/64x1-3/4 YZ	2	
15	HSPLUG-0.375-NPTFC	Plug, Hex Skt 3/8-18 NPTF CZ	2	
16	JNUT-0.625-11Y8	Nut, Jam 5/8-11 YZ8	1	
17	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
18	ORING-7.375X.188-N	O-Ring, #365, 7-3/8x7x3/16	1	
19	PB-2.000X2.25X2.00	Bushing, Composite 2x2-1/4x2	2	
20	RN-0.375-16-.31-.44-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	4	
21	RN-0.500-13-.35-.50Y	Rivnut, 1/2-13 .350-.500 GR	11	
22	T0050854	Anti Rotation Insert	1	
23	T0051585	2.00 Grease Seal	2	
24	T0052065	Cover, Chaincase	1	
25	T0052084	Bushing, Tensioner Pivot	1	
26	T0053142	Ball Bearing, 65mm	2	
27	T0053269	Face Seal	1	
28	T0053270	Seal	1	
29	T0053552	Slider Block	1	
30	T0054282	Drive Wheel Spacer	1	
31	T0054597	Decal, 30 psi & 175 Lug Torque	1	
32	T0054948	Motor, Wheel Drive 470cc	1	
33	T0054962	Plate, Motor Retainer	2	
34	T0055183	80 Pitches 80 Pitch Chain	1	
35	T0055808	Sprocket, 80C12 Machined	1	
36	T0055821	Sprocket, 45T #80 Machined	1	
37	T0055980	Washer, 3 Bolt Drive Axle	1	
38	T0056101	Plug, 1.125" Expansion	1	
39	TA01089	Tensioner, Wheel Drive	1	
40	TA01371	Wheel Assy	1	
41	TA01919	Assy, 15/20 Wing Wheel Hub	1	
42	TW001106	Pin Weldment	1	
43	TW001441	Wldmt, 20"/22"/30" Front Single Wing Wheel	1	
44	ZERK-0.250-28	Zerk, 1/4-28	1	

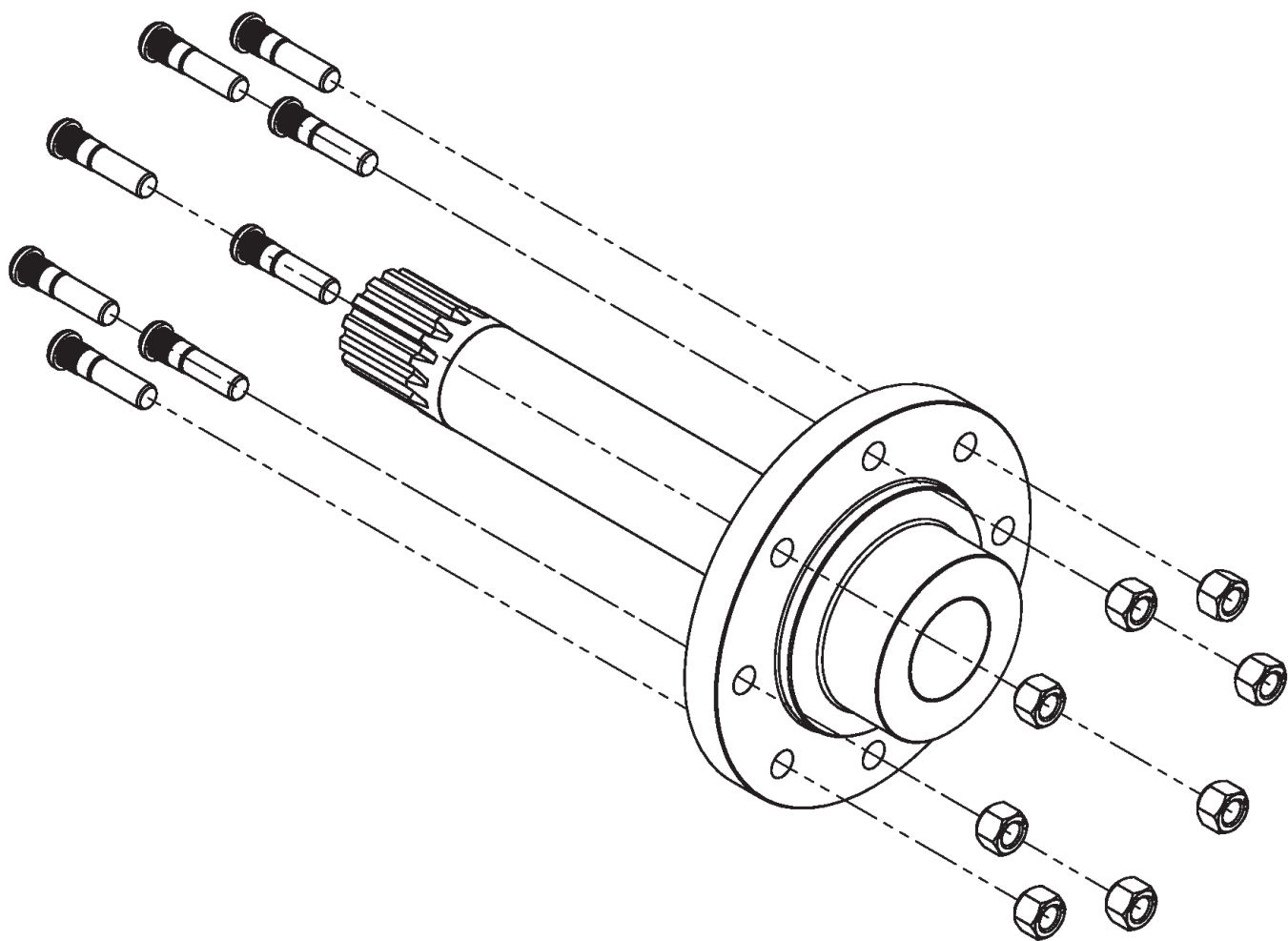
Note:

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.
3. All wheel studs inside wing wheel weldment to be sealed with silicone.



TA01089 Tensioner, Wheel Drive

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	RPIN-.375X2.75	Pin, Spring 3/8x2-3/4	4	
2	T0052064	Slide, Chain Tensioner	1	
3	TW001031	Tensioner Weldment	1	

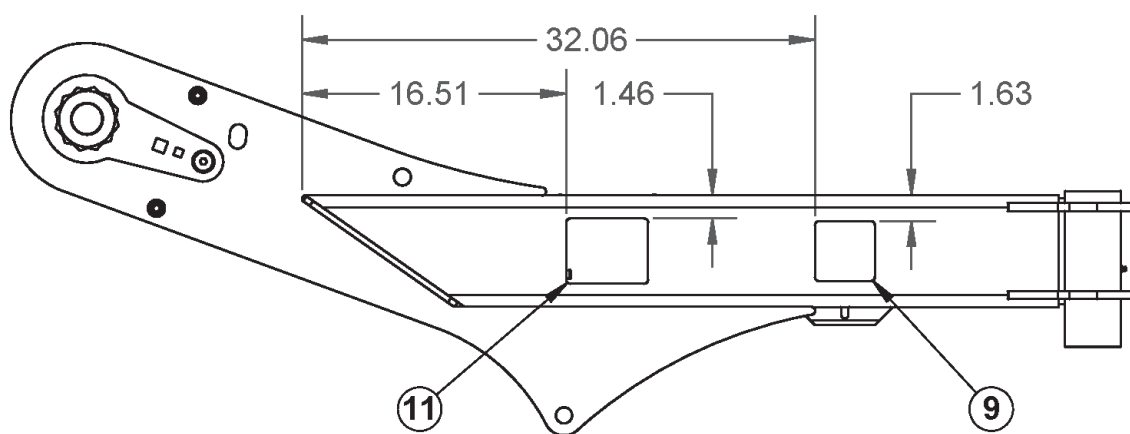
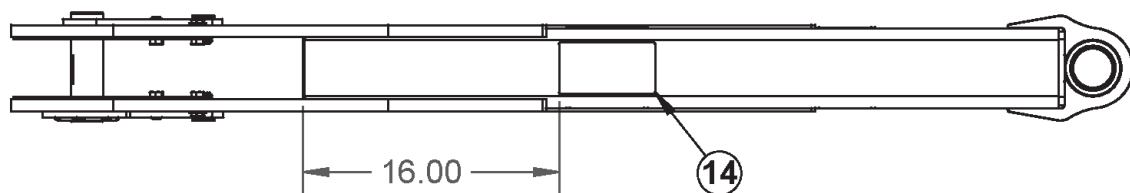
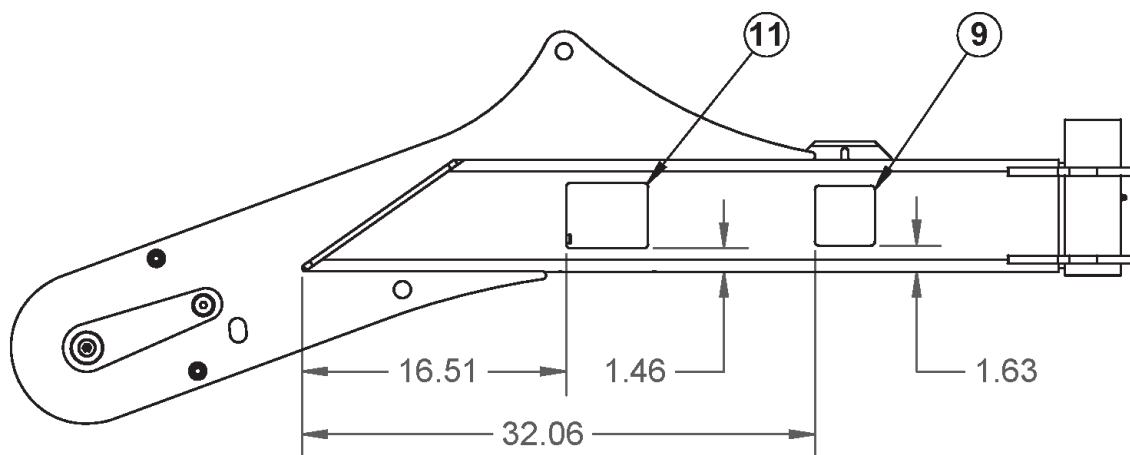


TA01919 Assy, 15/20 Wing Wheel Hub

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW001460	Axle, 15/20 Wing Wheel	1	
2	WHNUT-0.625-18C8	Nut, Wheel 5/8-18 Gr8 CZ	8	
3	WS-0.625-18X2.50C8	Stud, Wheel 5/8-18 Gr8 CZ	8	

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.

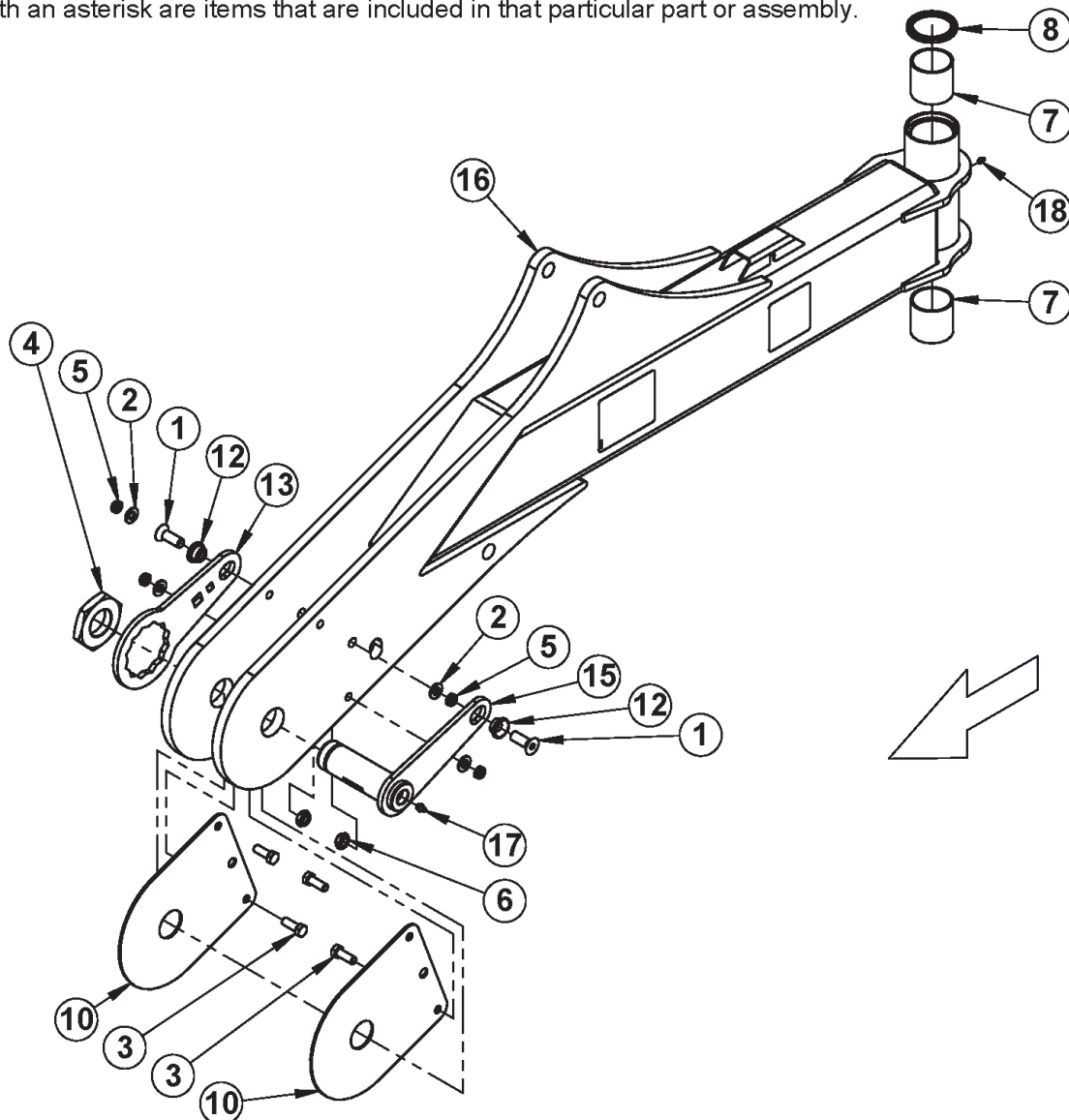


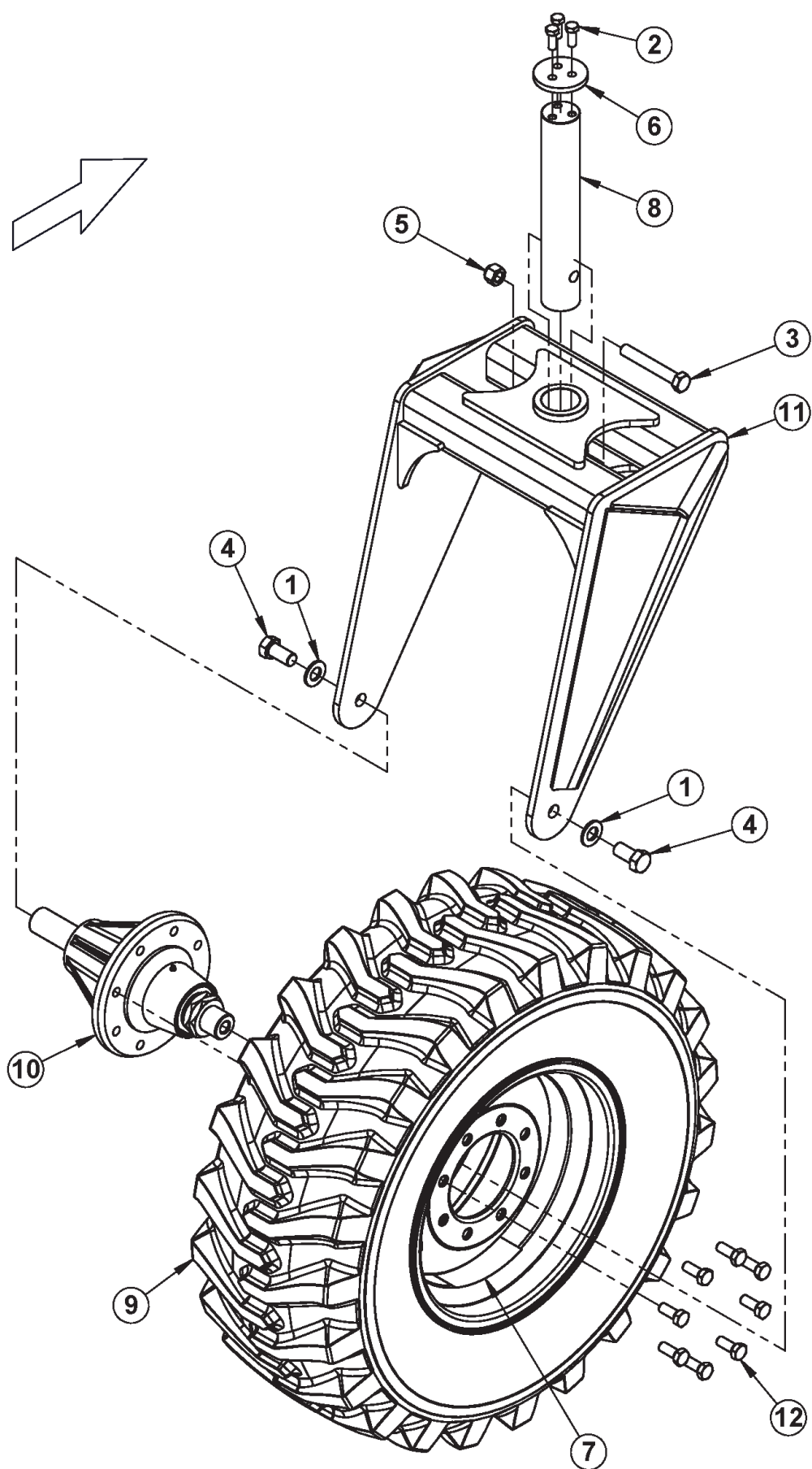
TA01891 Assy, Rear Caster Arm Single Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FHSCS-0.625-11X1.75Y8	FHSHCS 5/8-11x1-3/4-YZ	2	
2	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
3	HB-0.500-13X1.38Y8	Bolt, Hex Hd 1/2-13x1-3/8 YZ8	4	
4	JNUT-2.0-12x.60Y5	JNut-2.0000-12 x .60-YZ8	1	
5	NLJNUT-0.500-13Y8	Nut, Nylock Jam 1/2-13 YZ8	4	
6	NLJNUT-0.625-11Y8	Nut, Nylock Jam-5/8-11-YZ8	2	
7	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	2	
8	T0051584	2.50 Grease Seal	1	
9	T0051737	Decal,Warn CrshHaz Serv WngWhl	2	
10	T0051868	Plate, Friction Wear	2	
11	T0053942	Decal, Danger-Wing Crsh Hzd	2	
12	T0054627	Anti Rotation Insert	2	
13	T0054628	Plate, Locking 12Pt	1	
14	T0053939	Decal, Warn Crsh Wng Whl Set	1	
15	TW001201	Pin Weldment	1	
16	TW001431	Wldmt, Rear VWV Arm Single Short	1	
17	ZERK-0.125-27-NPT	Zerk,-1/8-27-NPT	1	
18	ZERK-0.250-28	Zerk, 1/4-28	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.



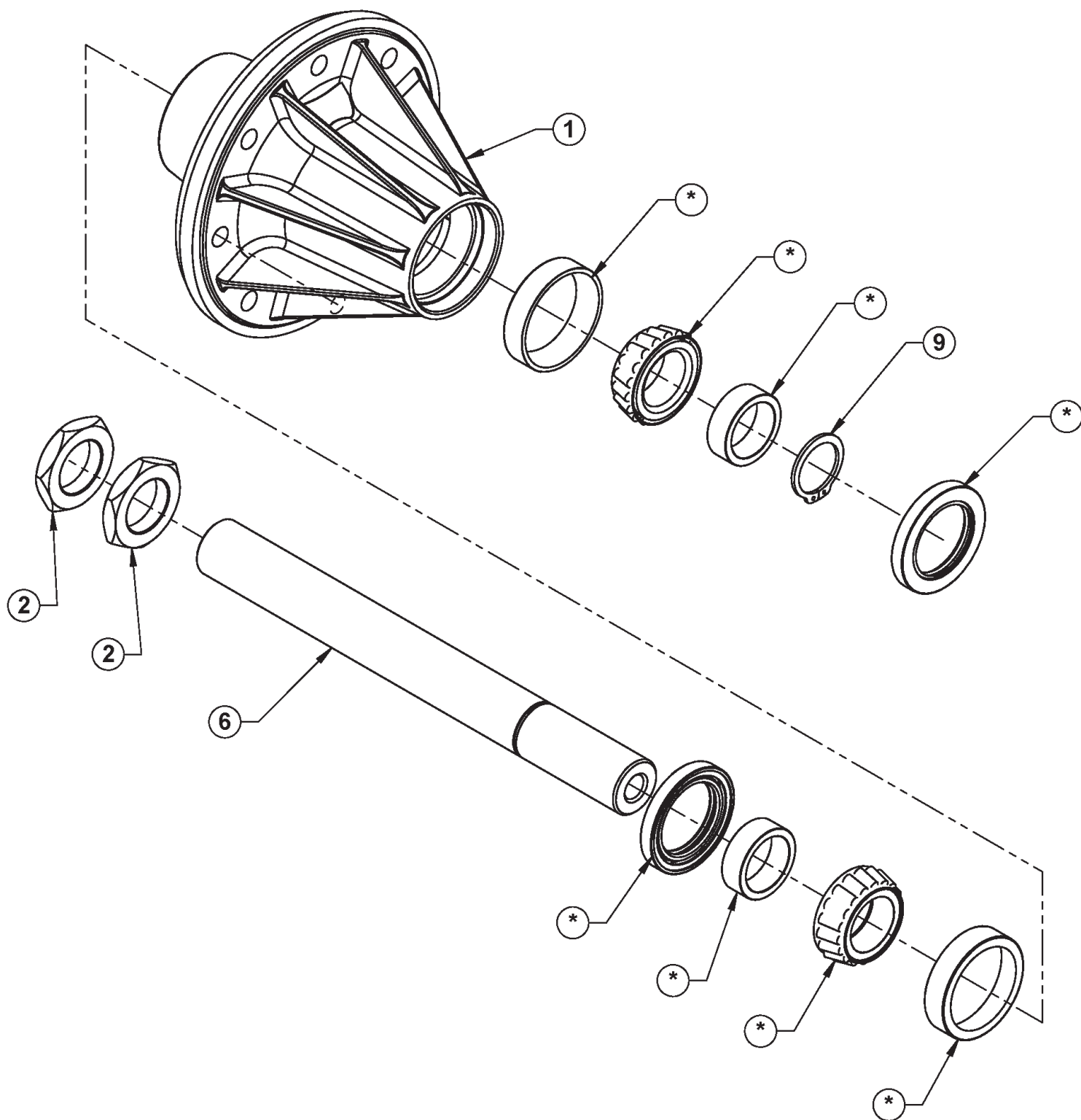


TA01893 Assy, Single Wheel Caster

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.875Y	FW-SAE-0.875-YZ	2	
2	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	3	
3	HB-0.750-10X5.00Y8	Bolt, Hex Hd 3/4-10x5-YZ8	1	
4	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	
5	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	1	
6	T0054041	Washer, RU Pivot	1	
7	T0054597	Decal, 30 psi & 175 Lug Torque	1	
8	T0055908	Single Wheel Caster Shaft	1	
9	TA01371	Wheel Assy	1	
10	TA01379	Assy, 8 Bolt Hub	1	
11	TW001435	Wldmt, Single Wheel Caster	1	
12	WB-0.625-18X1.38C5	Wheel Bolt, 5/8-18X1-3/8 C5	8	

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.



TA01379 Assy, 8 Bolt Hub

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0055787	Hub, 8-Bolt Straddle	1	
2	87504483	Nut, Jam 1-3/4-12UNF Gr5 YZ	2	
3	ZERK-0.250-28	Zerk, 1/4-28	1	
4	T0054400	Bearing Race	2	
5	T0054401	Bearing, Wheel	2	
6	T0054964	Axle, 8-Bolt Straddle Hub	1	
7	T0054403	Hub Spacer	2	
8	T0054404	Seal, Shaft Ø2.25	2	
9	SRING-EXT-HD-1.75Y	Retaining Ring, External 1-3/4 HD YZ	1	

24R-22 Seed Hose Schematic

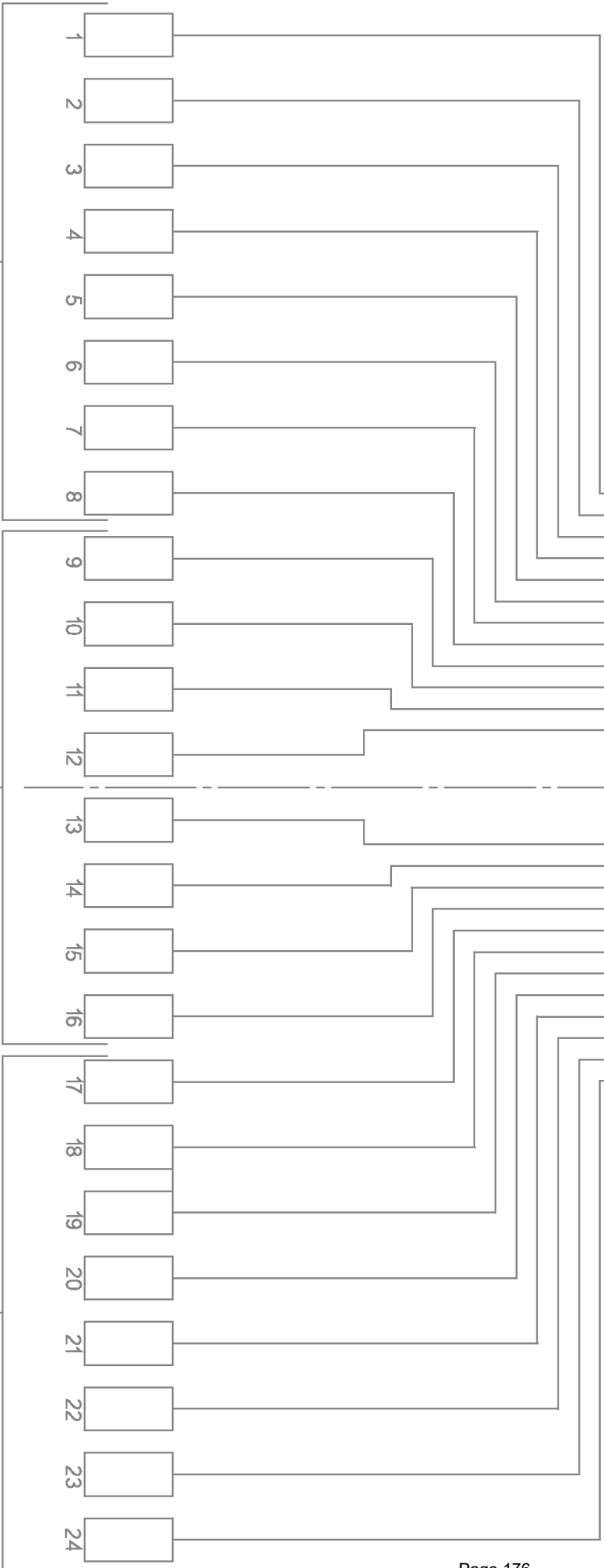
LH Seed Distributor

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3
2
1

RH Seed Distributor

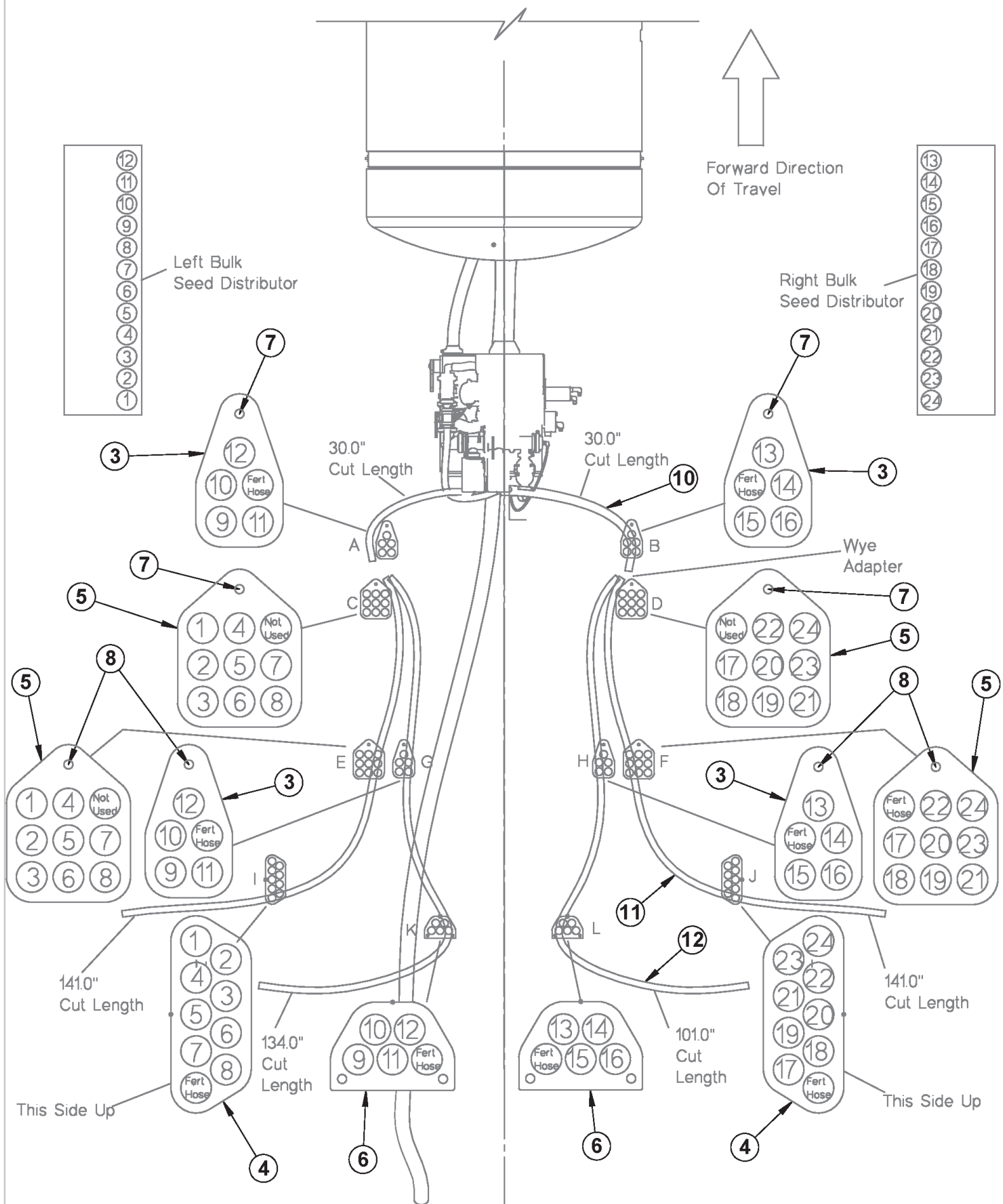
13
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24

Forward
Direction
Of Travel



** Lengths listed are un-trimmed lengths, and are not the actual finished cut lengths.

Row	1" Hose	1" Hose
1	342	28' 6"
2	320	26' 8"
3	292	24' 4"
4	275	22' 11"
5	255	21' 3"
6	234	19' 6"
7	218	18' 2"
8	204	17' 0"
9	199	16' 7"
10	180	15' 0"
11	159	13' 3"
12	154	12' 10"
13	154	12' 10"
14	162	13' 6"
15	185	15' 5"
16	201	16' 9"
17	206	17' 2"
18	222	18' 6"
19	239	19' 11"
20	266	22' 2"
21	282	23' 6"
22	301	25' 1"
23	329	27' 5"
24	341	28' 5"
Total	5720	476' 8"

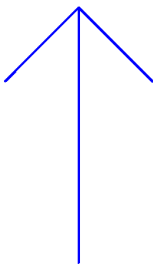
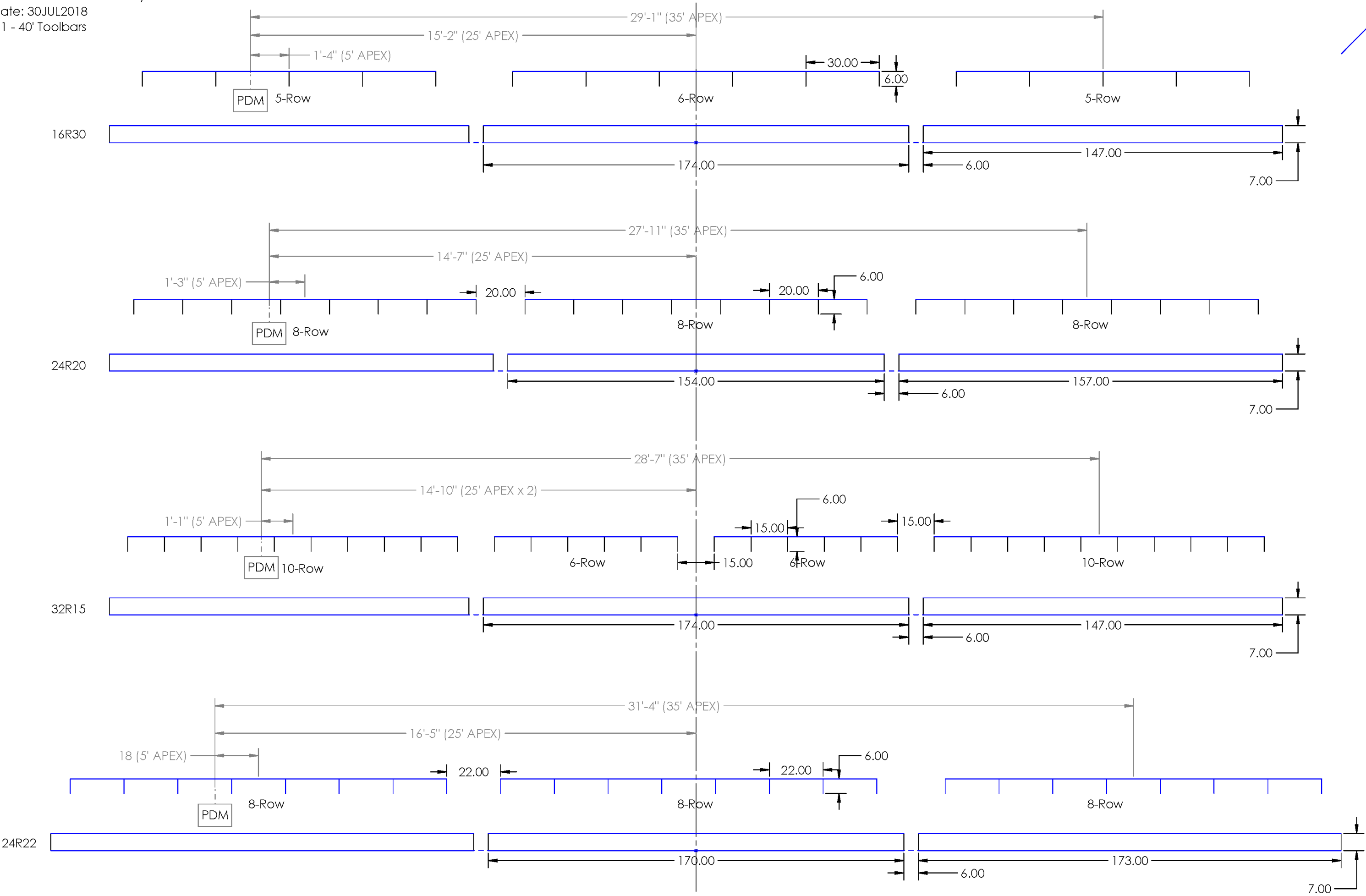


T0055847 Schematic, Seed Hose Routing Thru Hangers 24R22

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	HClamp-SAE-12-SS	Hose Clamp, SAE #12-SS	12
2	T0052573	Seed Hose Hanger, Middle Fr	4
3	T0052571	Seed Hose Hanger, Stub Arm	2
4	T0052572	Seed Hose Hanger, Middle	4
5	T0052450	Guide, Hose Seed Tube Cen Fr	2
6	T0052569	J-Hanger, Double	4
7	T0052445	Schematic, Seed Hose Routing Thru Hangers 24R22	1
8	T0052570	J Hanger, Double Straight	2
9	T0052781	Hose, AgSpray 200 Ø3/4x30	1
10	T0052780	Hose, AgSpray 200 Ø3/4x30	1
11	T0052782	Hose, AgSpray 200 Ø3/4x141	2
12	T0052783	Hose, AgSpray 200 Ø3/4x101	1
13	T0052784	Hose, AgSpray 200 Ø3/4x134	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.
3. Items 9, 10, 11, 12, & 13 use part number T0051675 Hose-0.75" Spray (100' Roll), or CNH P/N 86993466



Torque – Hydraulic tubes and fittings

Standard torque data for hydraulic tubes and fittings

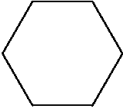
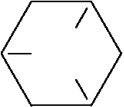
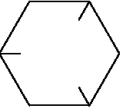
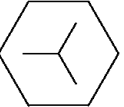
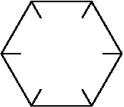
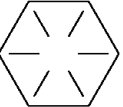
Tube Nuts for 37° Flared Fittings								O-Ring Boss Plugs, Adjustable Fitting Lock Nuts, Swivel JIC - 37 ° Seats			
Size	Tubing OD		Thread Size	ft-lbs		Nm		ft-lbs		Nm	
	Inches	mm		Min	Max	Min	Max	Min	Max	Min	Max
4	1/4	6.4	7/16-20	9	12	12	16	6	10	8	14
5	5/16	7.9	1/2-20	12	15	16	20	10	15	14	20
6	3/8	9.5	9/16-18	21	24	29	33	15	20	20	27
8	1/2	12.7	3/4-18	35	40	47	54	25	30	34	41
10	5/8	15.9	7/8-14	53	58	72	79	35	40	47	54
12	3/4	19.1	1-1/6-12	77	82	104	111	60	70	81	95
14	7/8	22.2	1-3/16-12	90	100	122	136	70	80	95	109
16	1	25.4	1-5/16-12	110	120	149	163	80	90	108	122
20	1-1/4	31.8	1-5/8-12	140	150	190	204	95	115	129	156
24	1-1/2	38.1	1-7/8-12	160	175	217	237	120	140	163	190
32	2	50.8	2-1/2-12	225	240	305	325	250	300	339	407

The above torque figures are recommended for plain, cadmium or zinc plated fittings, dry or wet installations and swivel nuts either swagged or brazed. These torques are not recommended for tubes 12.7 mm (0.5 in) OD and thicker with wall thickness of 0.889 mm (0.035 in) or less. The torque is specified for 0.889 mm (0.035 in) wall tubes on each application individually.

Torque – Fasteners

Society of Automotive Engineers (SAE) Fastener Torque

Use these torques, unless special torques are specified. Values are for Unified Coarse (UNC) and Unified Fine (UNF) 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.

SAE Grade No.	Grade 2				Grade 5				Grade 8 (See Note below.)			
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.
1/4	5	6	7	8	9	11	12	15	12	15	16	20
5/16	10	12	14	16	17	20.5	23	28	24	29	33	39
3/8	20	23	27	31	35	42	48	57	45	54	61	73
7/16	30	35	41	47	54	64	73	87	70	84	95	114
1/2	45	52	61	70	80	96	109	130	110	132	149	179
9/16	65	75	88	102	110	132	149	179	160	192	217	260
5/8	95	105	129	142	150	180	203	244	220	264	298	358
3/4	150	185	203	251	270	324	366	439	380	456	515	618
7/8	160	200	217	271	400	480	542	651	600	720	814	976
1	250	300	339	406	580	696	787	944	900	1080	1220	1464
1-1/8					800	880	1085	1193	1280	1440	1736	1953
1-1/4					1120	1240	1519	1681	1820	2000	2468	2712
1-3/8					1460	1680	1980	2278	2380	2720	3227	3688
1-1/2					1940	2200	2631	2983	3160	3560	4285	4827

Notes: Bolt head identification marks as per grade. Manufacturing marks will vary.
Thick nuts must be used with Grade 8 bolts.

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
19/64	0.2969	7.541	25/32	0.7813	19.844	-	1.929	49	16	16	406.4

