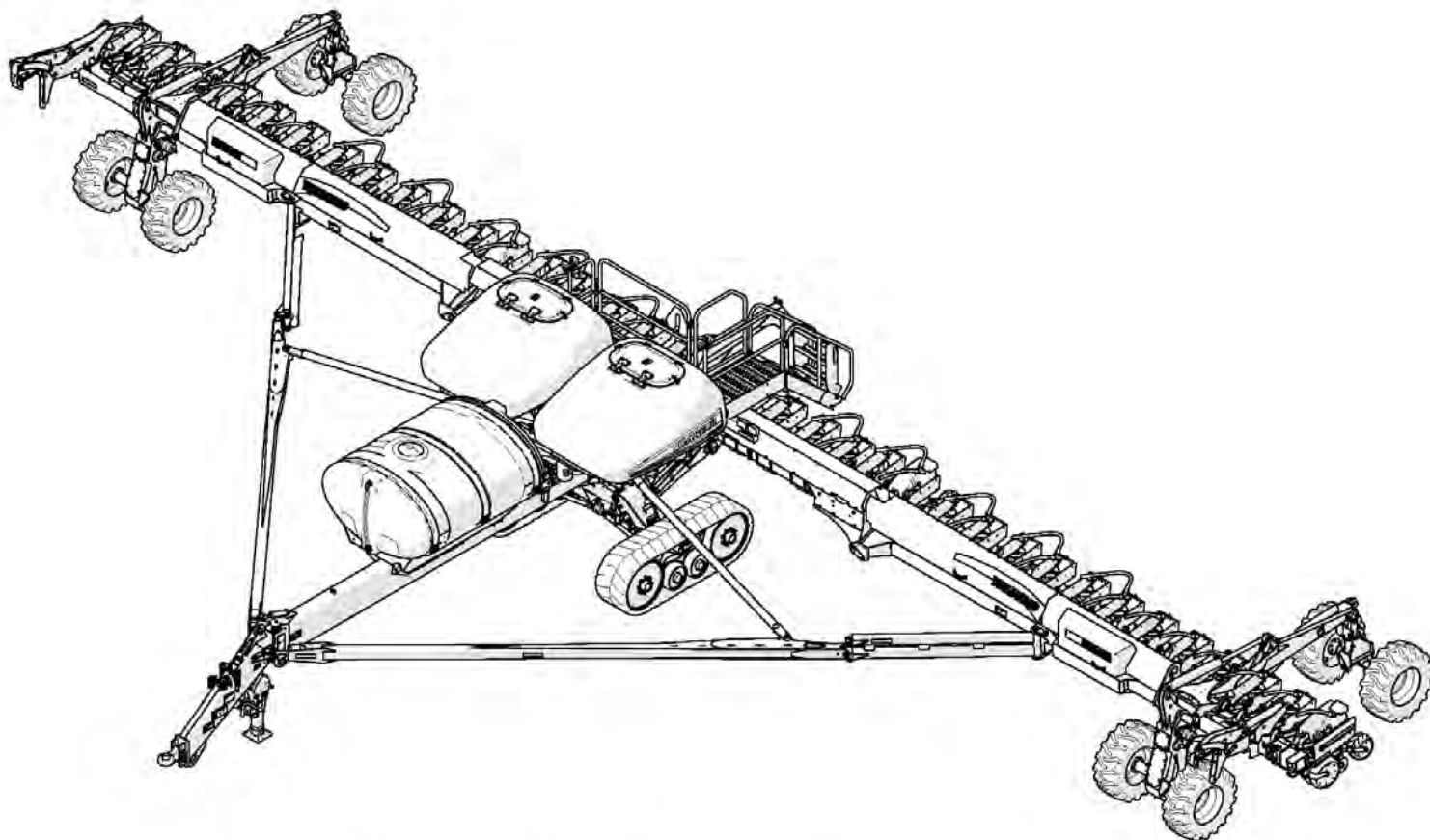


YIELDTRAC



Yieldtrac Planter Bar 24R-22

24 Row 22" Spacing (1200 Series)
Front Fold Trailing Planter

Year 2018 Model

Parts Catalog

Part number T0056297
1st edition English
August 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 24R-22.

Revision History

Issue	Date	Reasons for Change
T0056297	August 22nd, 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.

Forward Direction Of Travel Symbol

Parts Listing

Yieldrac 36R22 Parts Listing

TA01027 Assy: Manifold Fert Cen Bar (Left Configuration)

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0001000	Manifold Fert Cen Bar	1	
2	T0001001	Manifold Fert Cen Bar	1	
3	T0001002	Manifold Fert Cen Bar	1	
4	T0001003	Manifold Fert Cen Bar	1	
5	T0001004	Manifold Fert Cen Bar	1	
6	T0001005	Manifold Fert Cen Bar	1	
7	T0001006	Manifold Fert Cen Bar	1	
8	T0001007	Manifold Fert Cen Bar	1	
9	T0001008	Manifold Fert Cen Bar	1	
10	T0001009	Manifold Fert Cen Bar	1	

TA01027 Assy: Manifold Fert Cen Bar (Right Configuration)

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0001000	Manifold Fert Cen Bar	1	
2	T0001001	Manifold Fert Cen Bar	1	
3	T0001002	Manifold Fert Cen Bar	1	
4	T0001003	Manifold Fert Cen Bar	1	
5	T0001004	Manifold Fert Cen Bar	1	
6	T0001005	Manifold Fert Cen Bar	1	
7	T0001006	Manifold Fert Cen Bar	1	
8	T0001007	Manifold Fert Cen Bar	1	
9	T0001008	Manifold Fert Cen Bar	1	
10	T0001009	Manifold Fert Cen Bar	1	

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 24R-22 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.

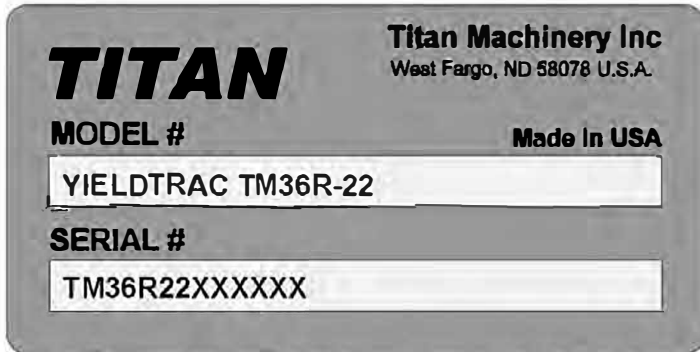


Fig. # 1-1 Model Number / Serial Number Decal

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

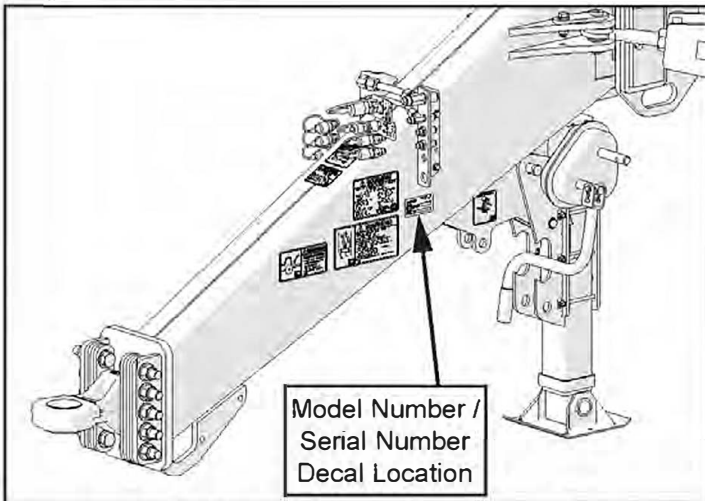


Fig. # 1-2 Model / Serial Number Decal Location

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.

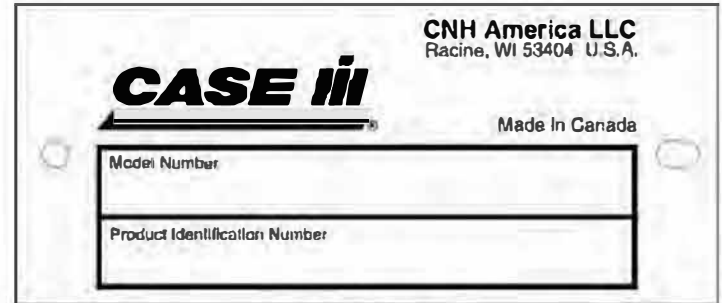


Fig. # 1-3
Model Number/Serial Number Decal

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

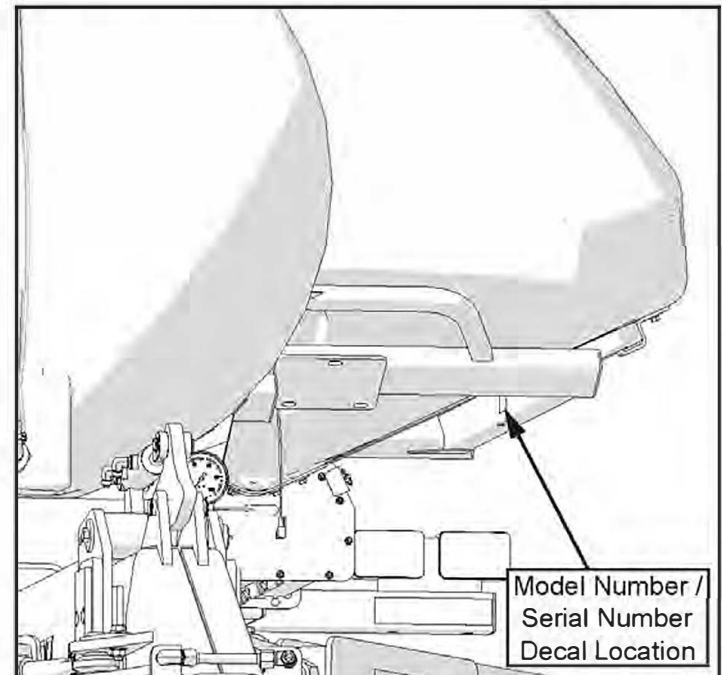
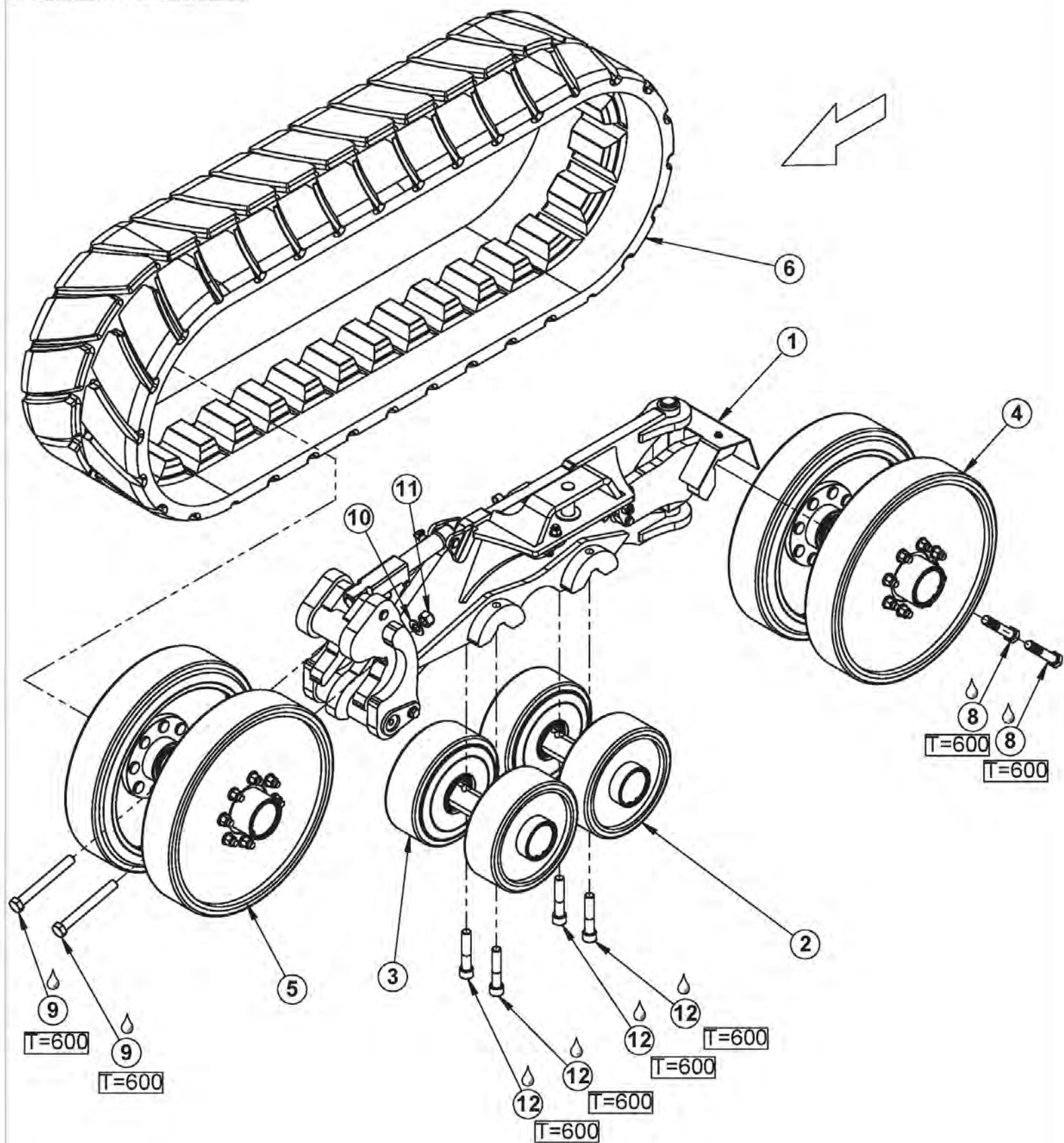


Fig. # 1-4 Model / Serial Number Decal Location On Bulk Fill Assembly

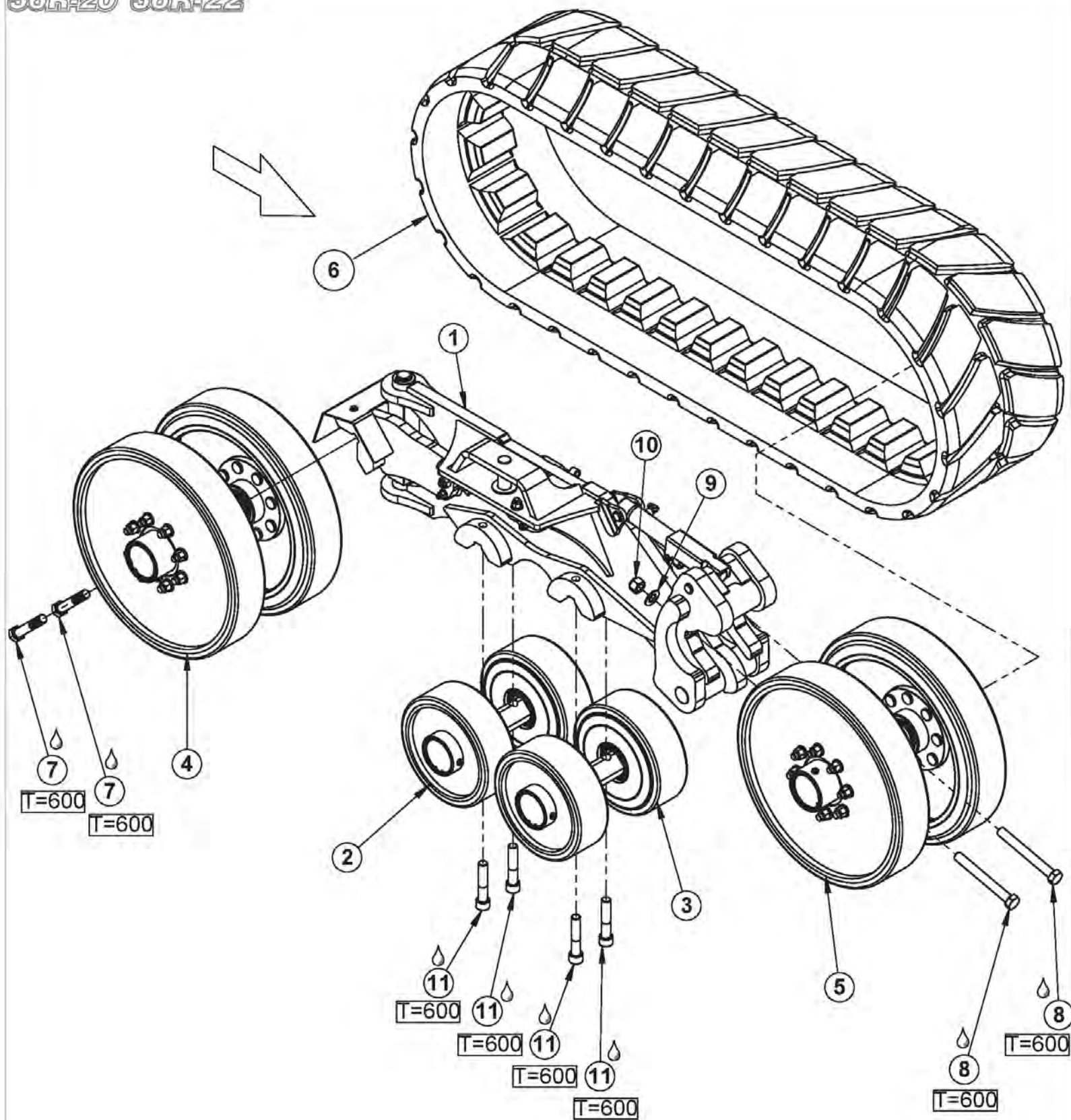


TA01231 Assy, 18" LH Track

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.

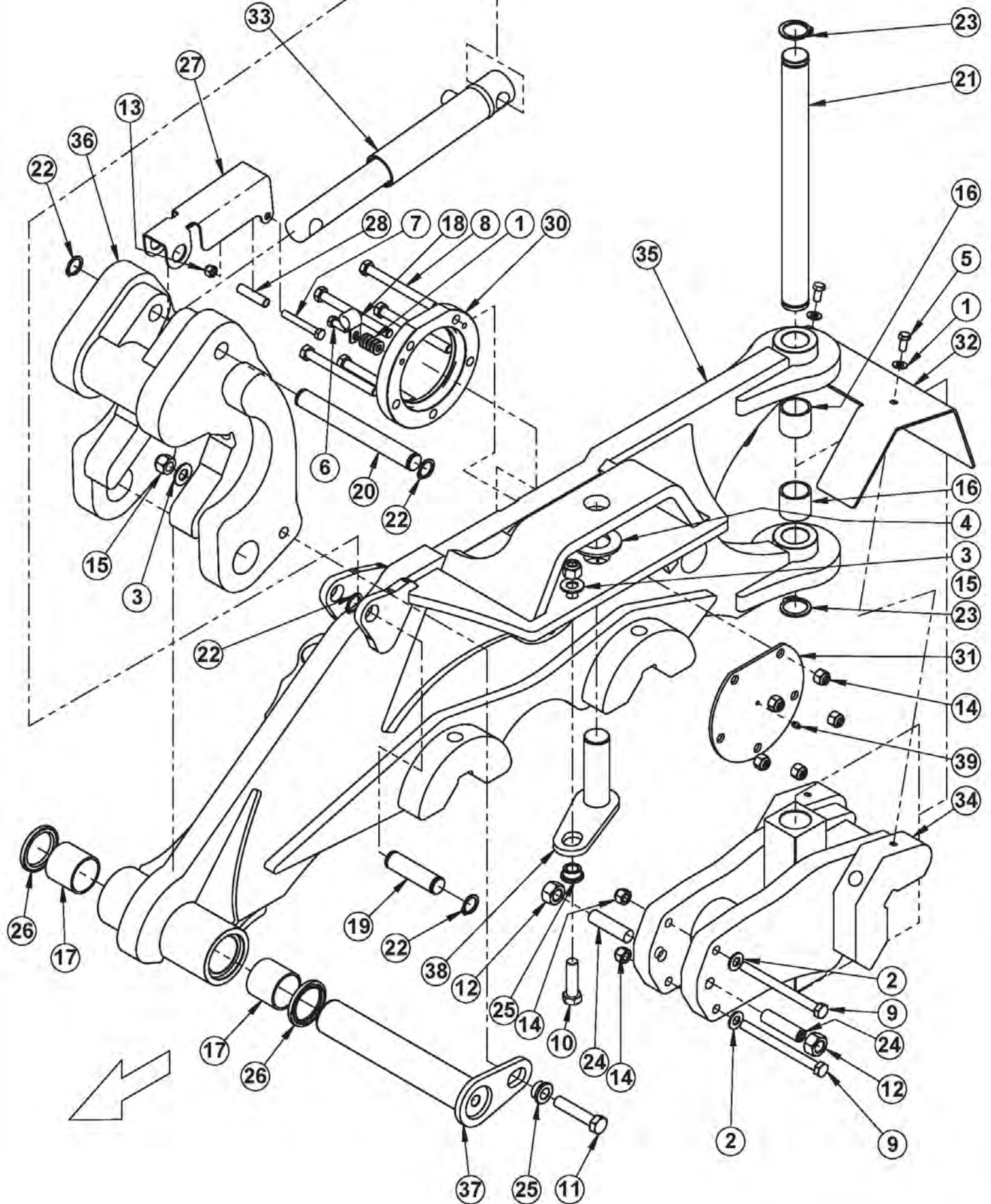


TA01230 Assy, 18" RH Track

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.

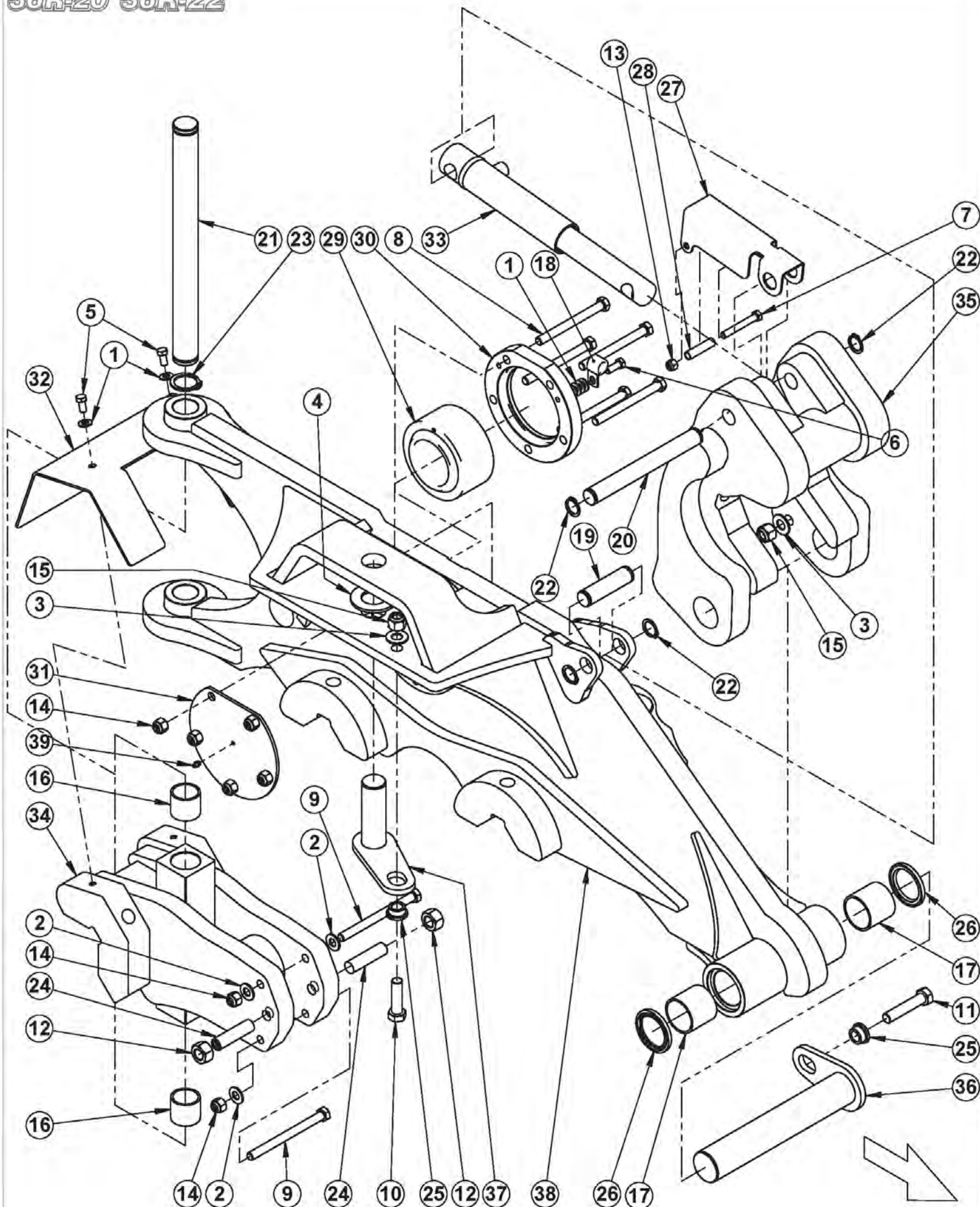


TA01024 Assy, LH Track Undercarriage

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	Wdmt (Mach), Track Alignment	1	
35	TW000960	Wdmt, LH Undercarriage-Mach	1	
36	TW000962	Wdmt (Mach), Track Tensioner	1	
37	TW000963	Weld, Pin	1	
38	TW000964	Weld, Pin	1	
39	ZERK-0.250-28	Zerk, 1/4-28	1	

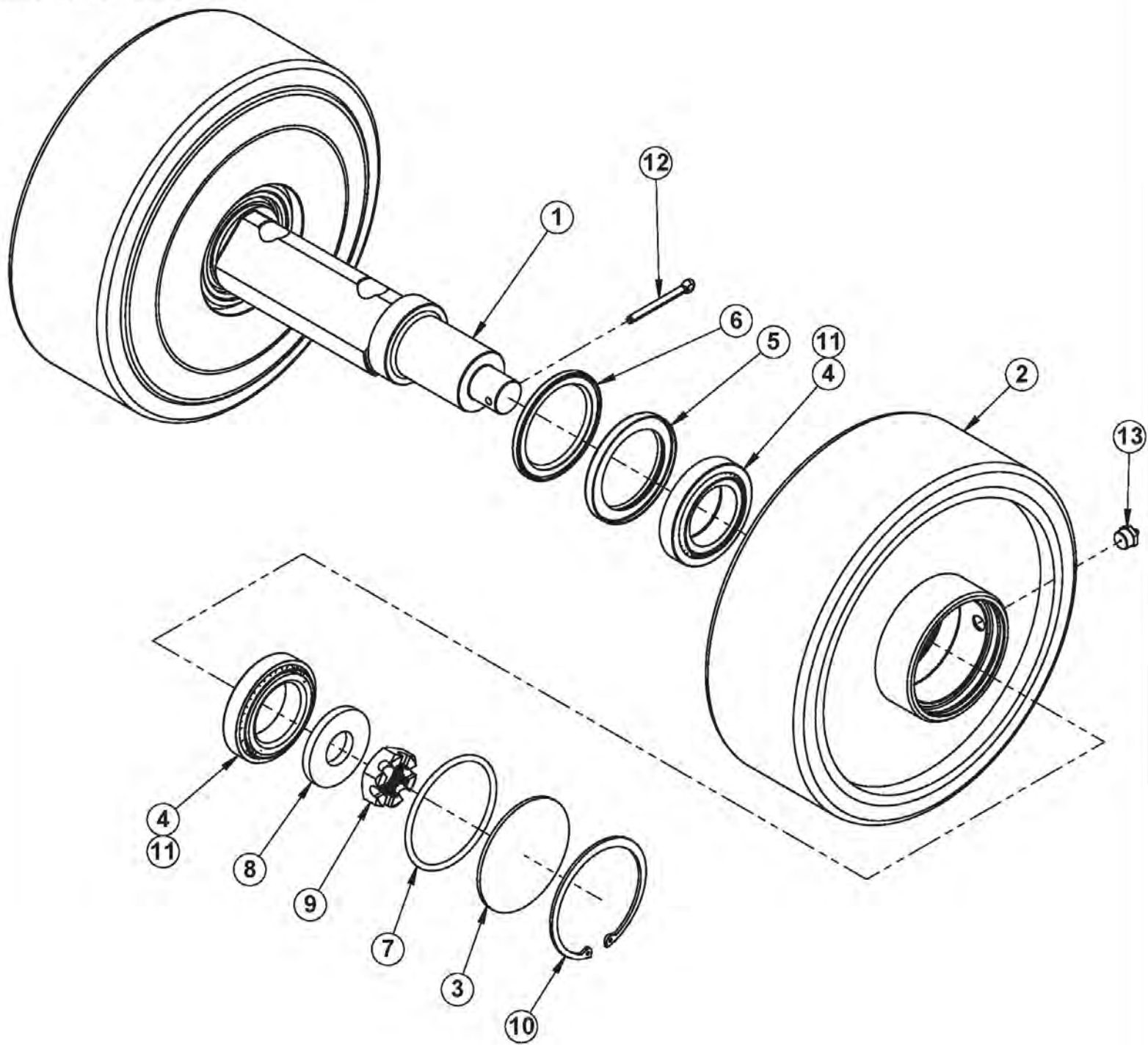
Note:

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.



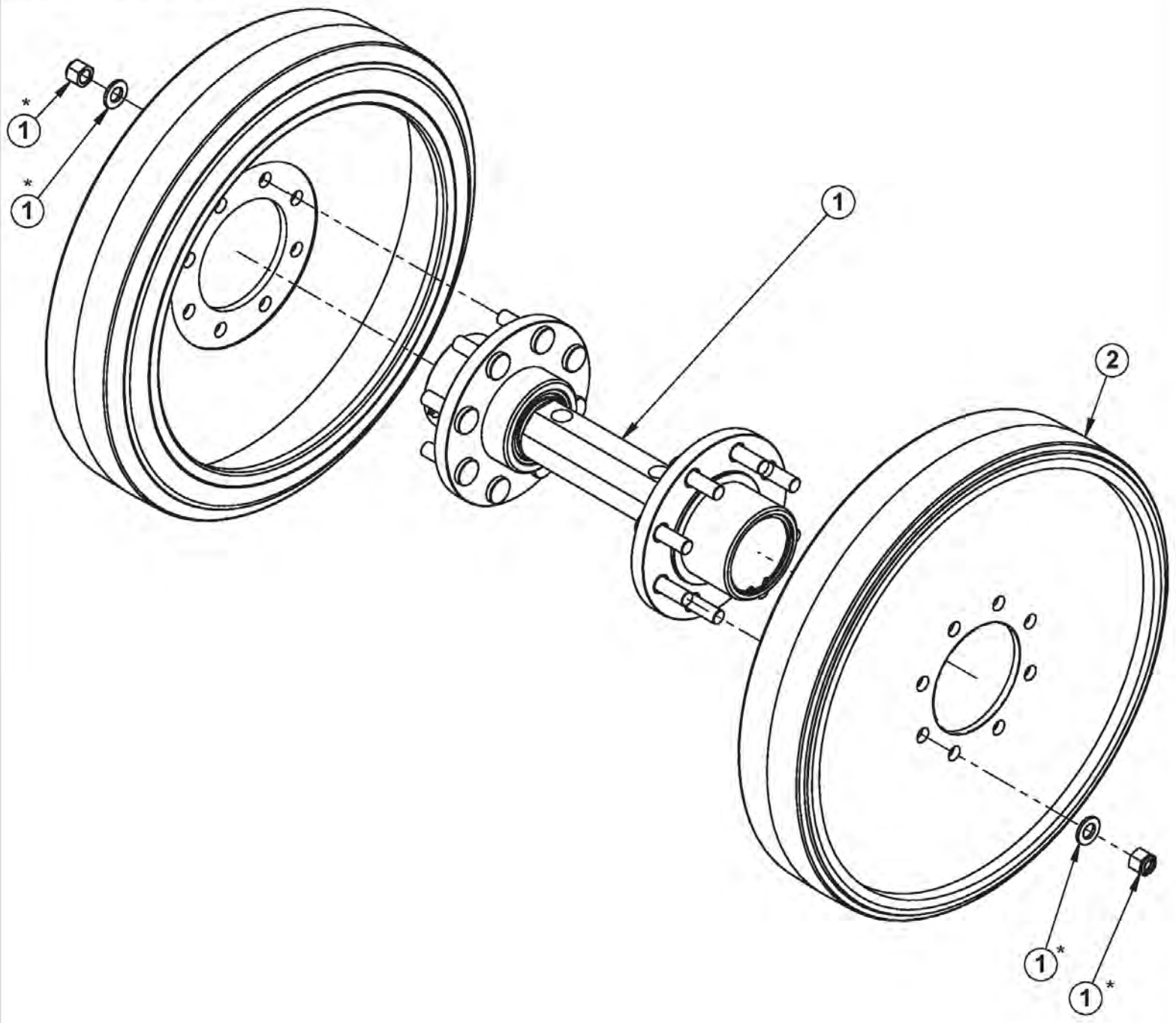
TA01049 Assy, RH Track Undercarriage

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	

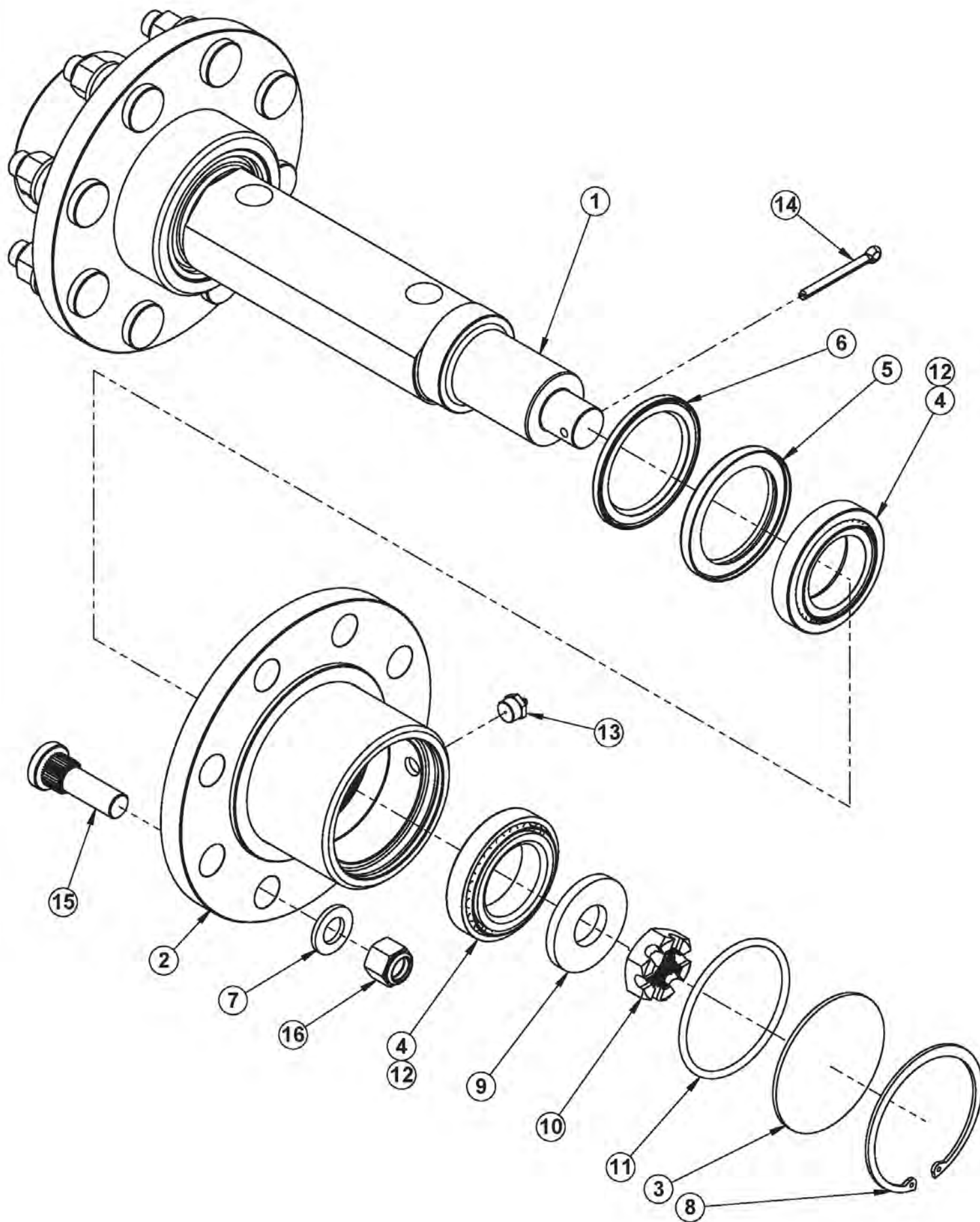


TA01221 Idler Narrow Asm

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.

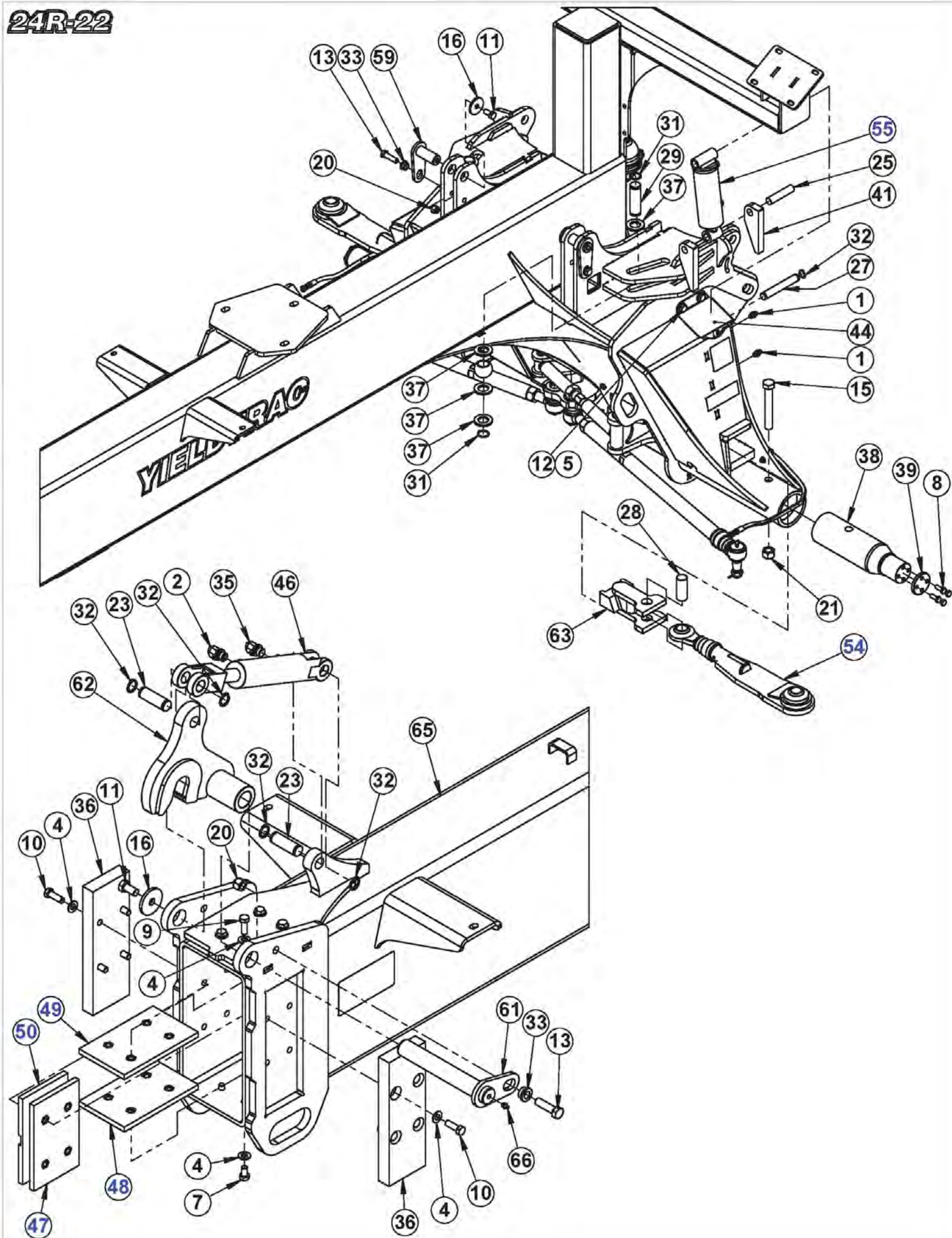


TA01219 Idler Axle Asm

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	

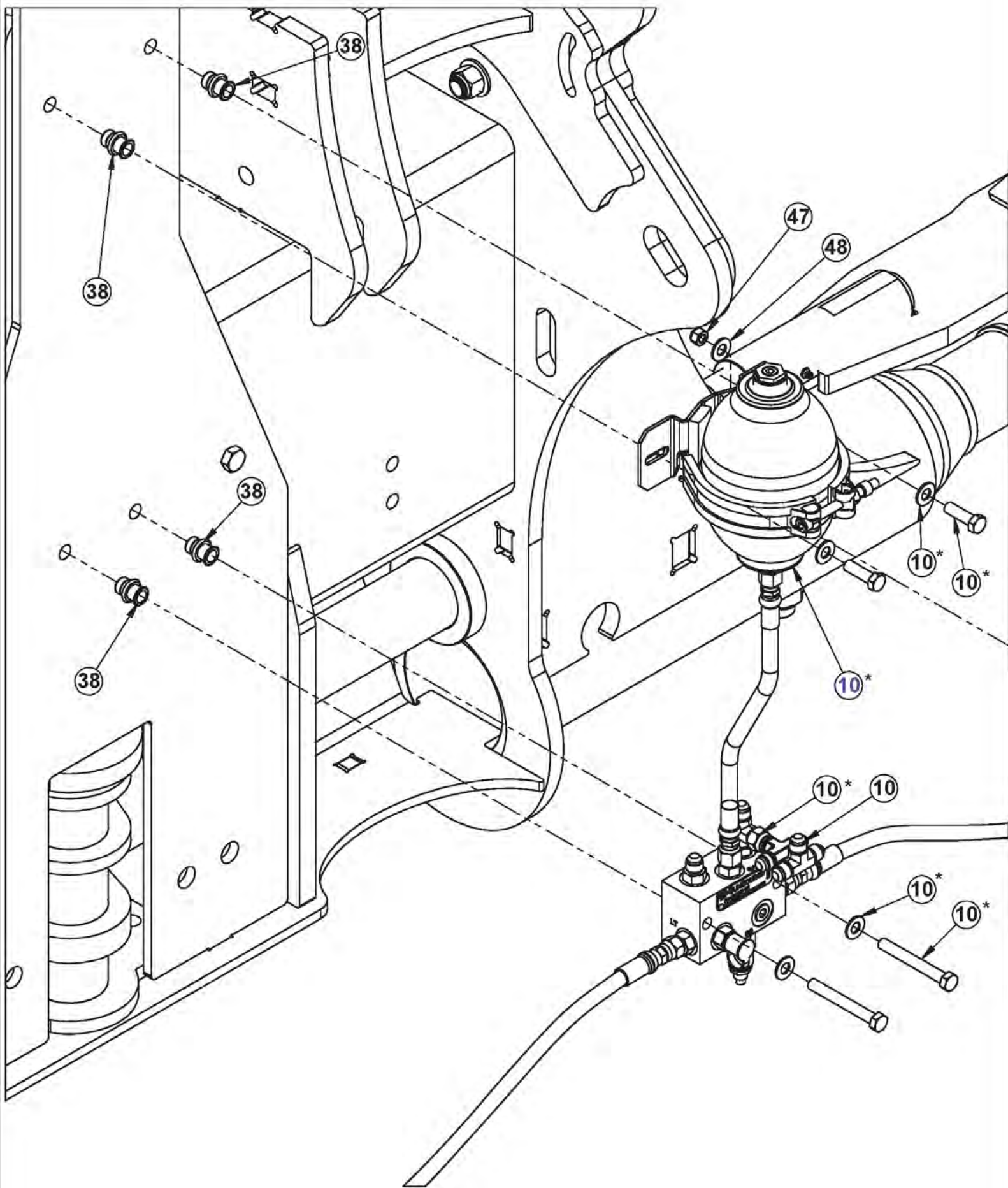
Note:

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



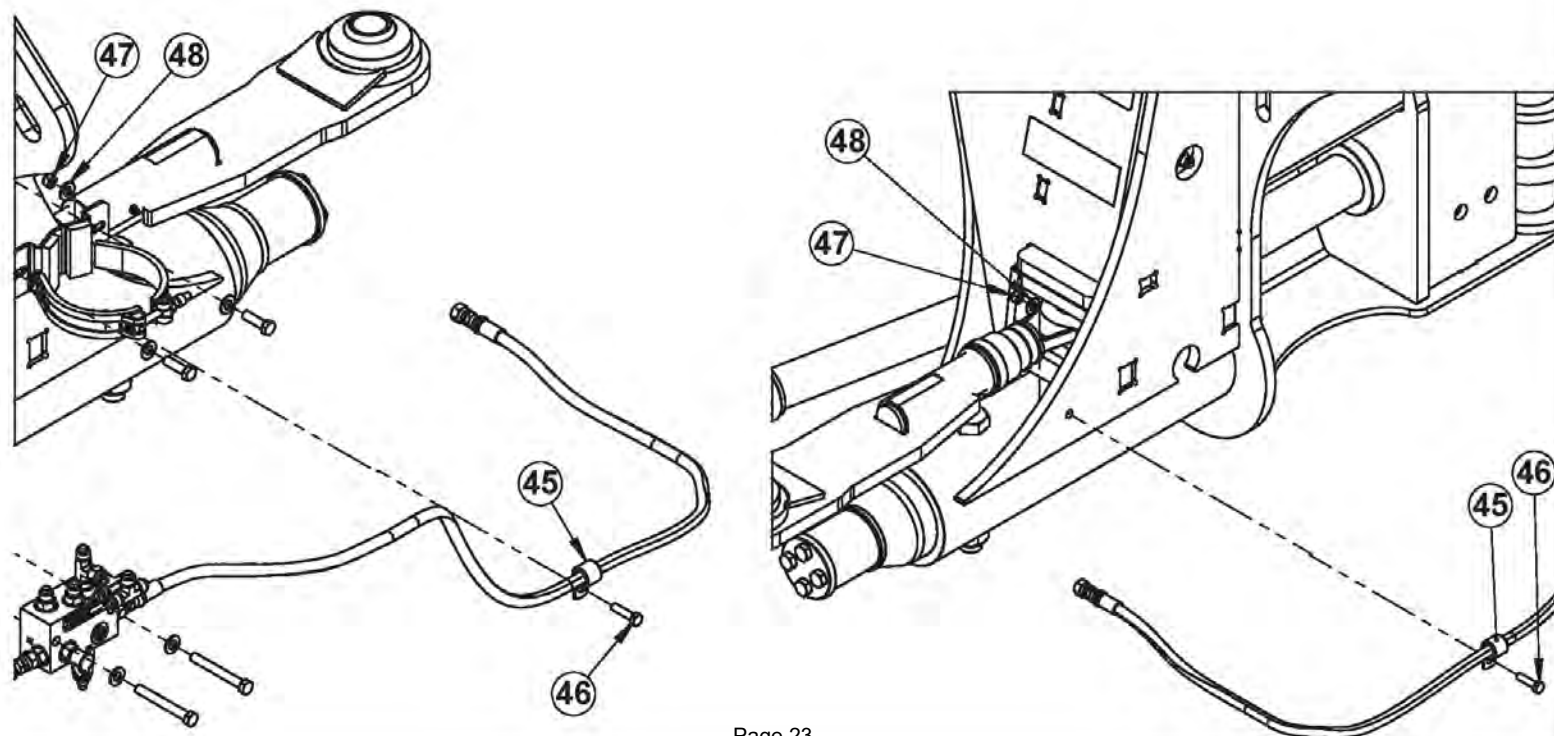
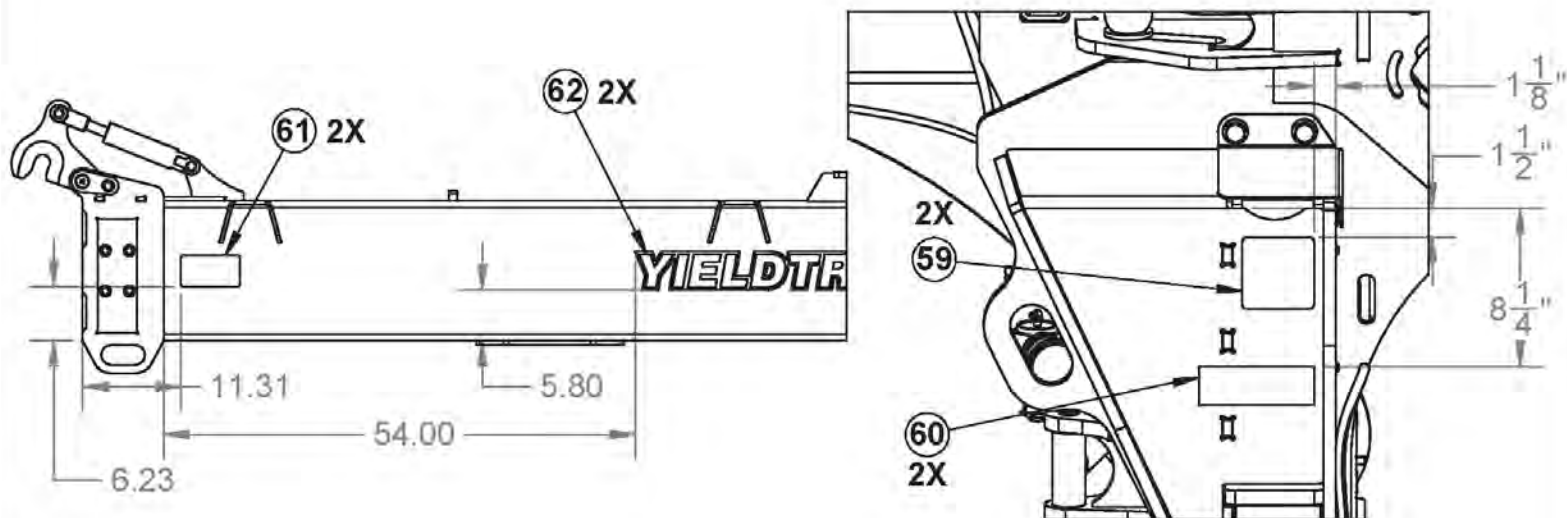
TA01332 Assy, 24R22 Main Frame 88" (Sheet 1 of 3)

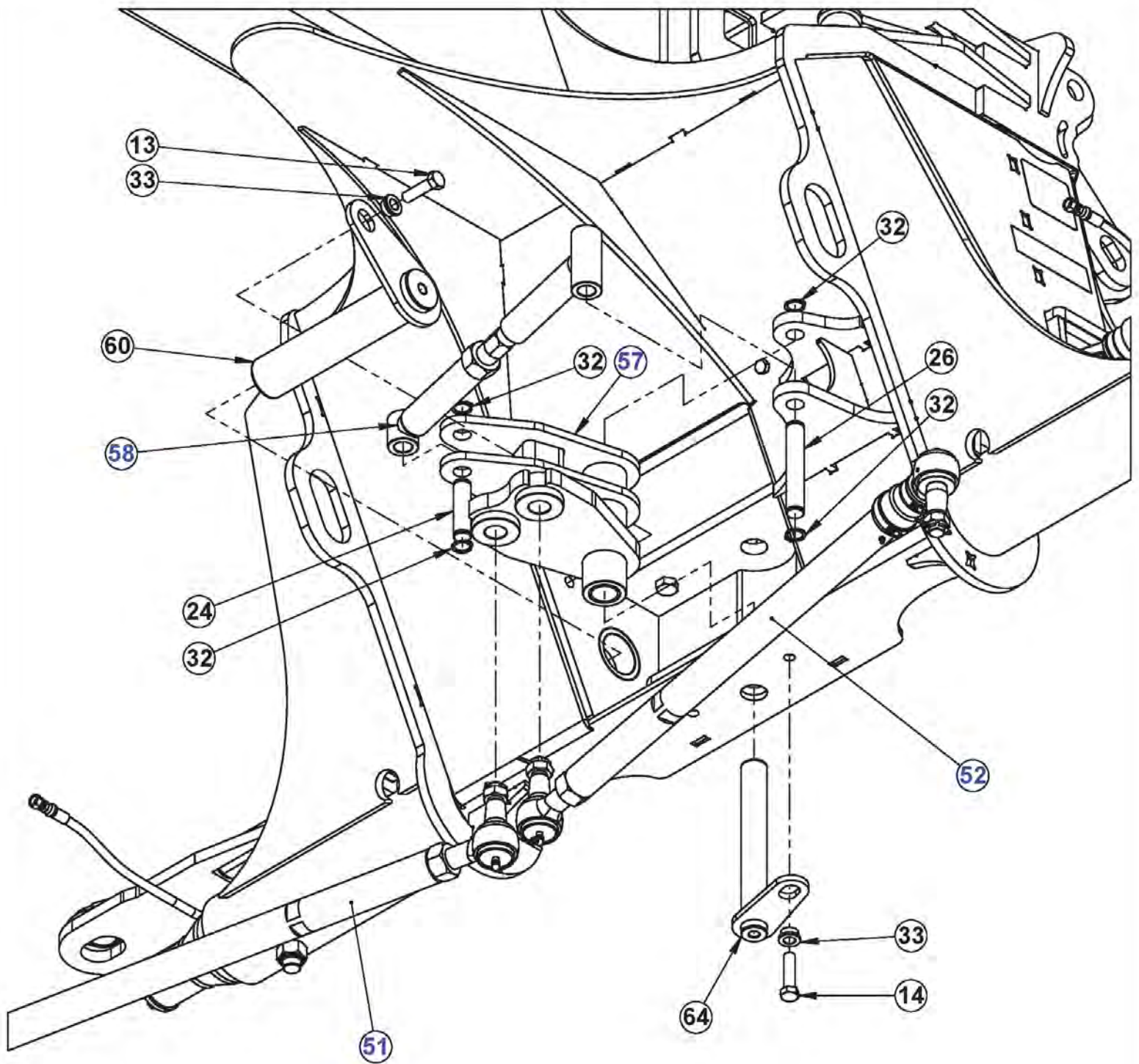
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-06MJ-06MB	ADAPTER 06MJ-06MB	4	
2	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	1	
4	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	16	
5	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	9	
7	HB-0.500-13X0.88Y8	Bolt, Hex Hd 1/2-13x7/8 YZ8	4	
8	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	4	
9	HB-0.500-13X1.38Y8	Bolt, Hex Hd 1/2-13x1-3/8 YZ8	4	
10	HB-0.500-13X1.50Y8	Bolt, Hex Hd 1/2-13x1-1/2 YZ8	12	
11	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	3	
12	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	4	
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	5	
15	HB-1.000-8X7.00Y8	Bolt, Hex Hd-1-8x7-YZ8	2	
16	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	3	
20	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	11	
21	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	2	
23	PIN-1.000X2.63Y	PIN-1.000X2.63Y	2	
25	PIN-1.000X4.63Y	PIN-1.000X4.63Y	2	
27	PIN-1.000X6.125Y	Pin-1.0000x6.125-YZ	2	
28	PIN-1.438X3.50Y	PIN-1.438X3.50Y	2	
29	PIN-1.438X4.25Y	Pin-1.4375x4.250-YZ	2	
31	SRING-EXT-1.44	1-7/16" External Snap Ring	4	
32	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	10	
33	T0050854	Anti Rotation Insert	6	
35	T0052369	ADAPTER 06MJ-08MB 90 W/ORF	1	
36	T0052579	Slider Block	2	
37	T0052610	Washer, Control Link	8	
38	T0053788	Axle, Track Stub	2	
39	T0053791	Washer, Track Axle Retention	2	
41	T0054616	Stop Insert	4	
44	T0054904	Cylinder Cover, LH	1	
46	TA00632	Cylinder, Hyd 2.00X4.00	1	
47	TA00801	Assy, Slider	1	
48	TA00801	Assy, Slider	1	
49	TA00801	Assy, Slider	1	
50	TA00843	Assy, Slider	1	
54	TA01117	Tilt Control Assembly	1	
55	TA01235	Cylinder, Tilt Stop	2	
59	TW000630	Pin Weldment	2	
61	TW001050	Pin Weldment	1	
62	TW001150	Wldmt, Hitch Latch	1	
63	TW001162	Wldmt, 88" Stop Block	2	
65	TW001187	Wldmt, 24R22 Main Frame (88")	1	
66	ZERK-0.125-27-NPT	Zerk,-1/8-27-NPT	1	



TA01332 Assy, 24R22 Main Frame 88" (Sheet 2 of 3)

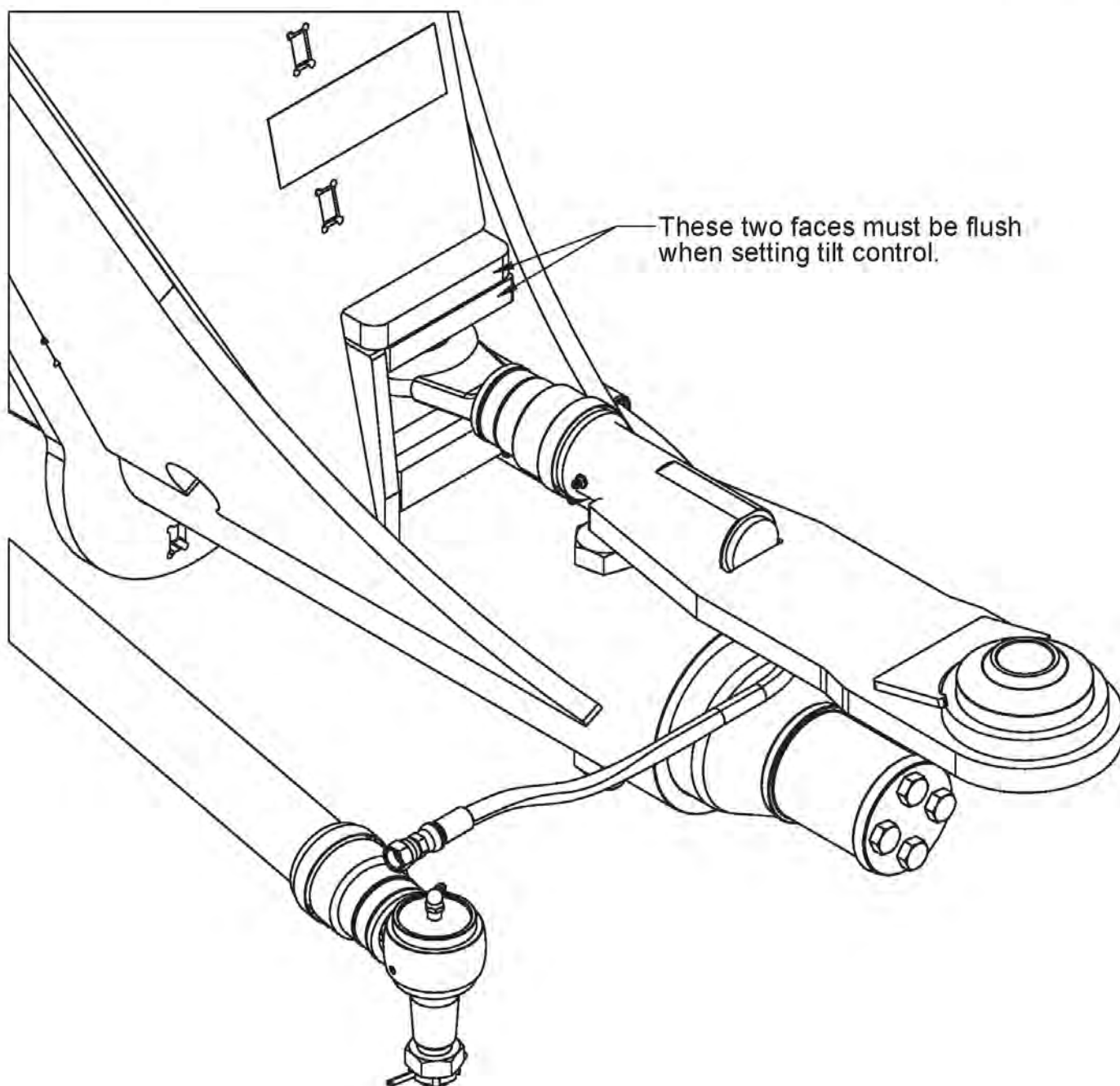
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
10	TA01239	Assy, Track Tension Valve	1	
38	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	4	
45	PCLMP-0.750x0.875	Clmp, Cus Pipe Ø3/4"x7/8"	2	
46	HB-0.313-18X1.25Y8	Bolt, Hex Hd 5/16-18x1-1/4 YZ8	2	
47	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
48	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
61	T0051588	Decal, Warning - Crush Hazard	2	
62	T0054236	Decal, Yieldtrac 4.4x33.3	2	

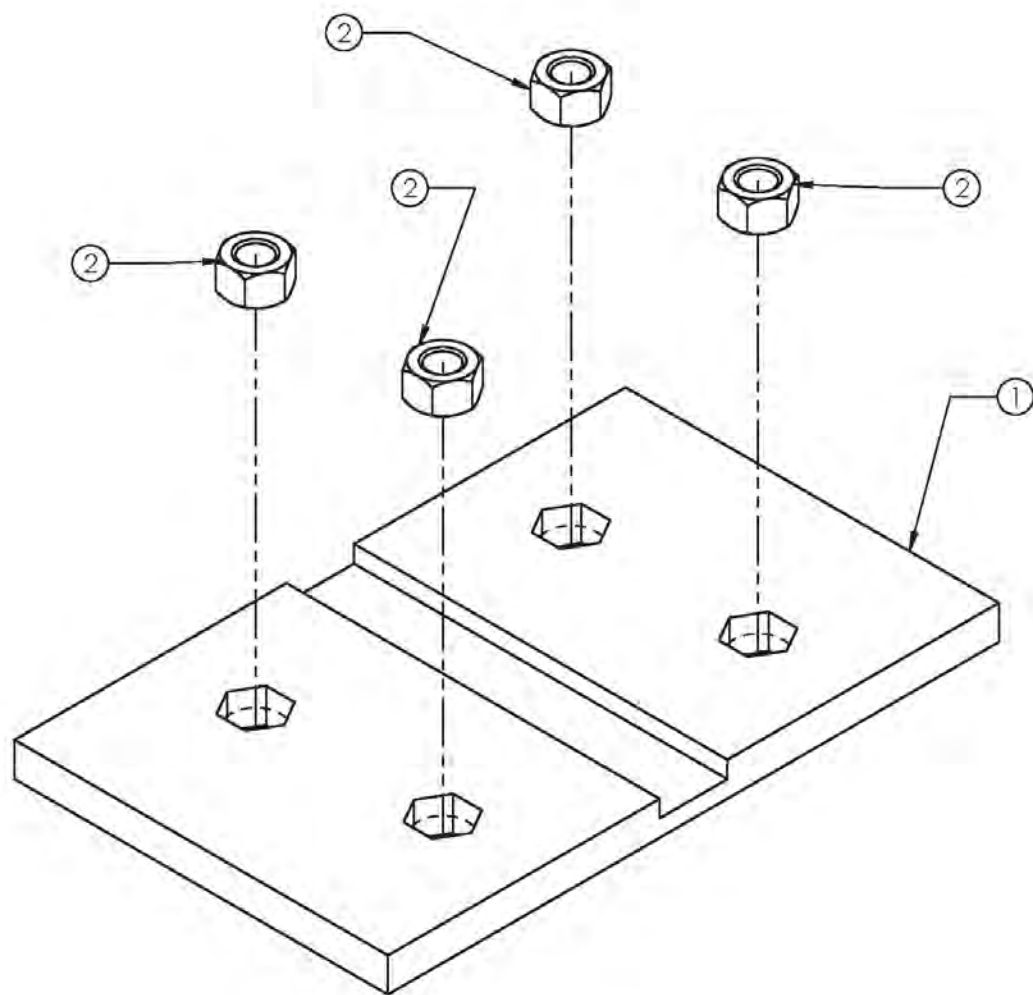




TA01332 Assy, 24R22 Main Frame 88" (Sheet 3 of 3)

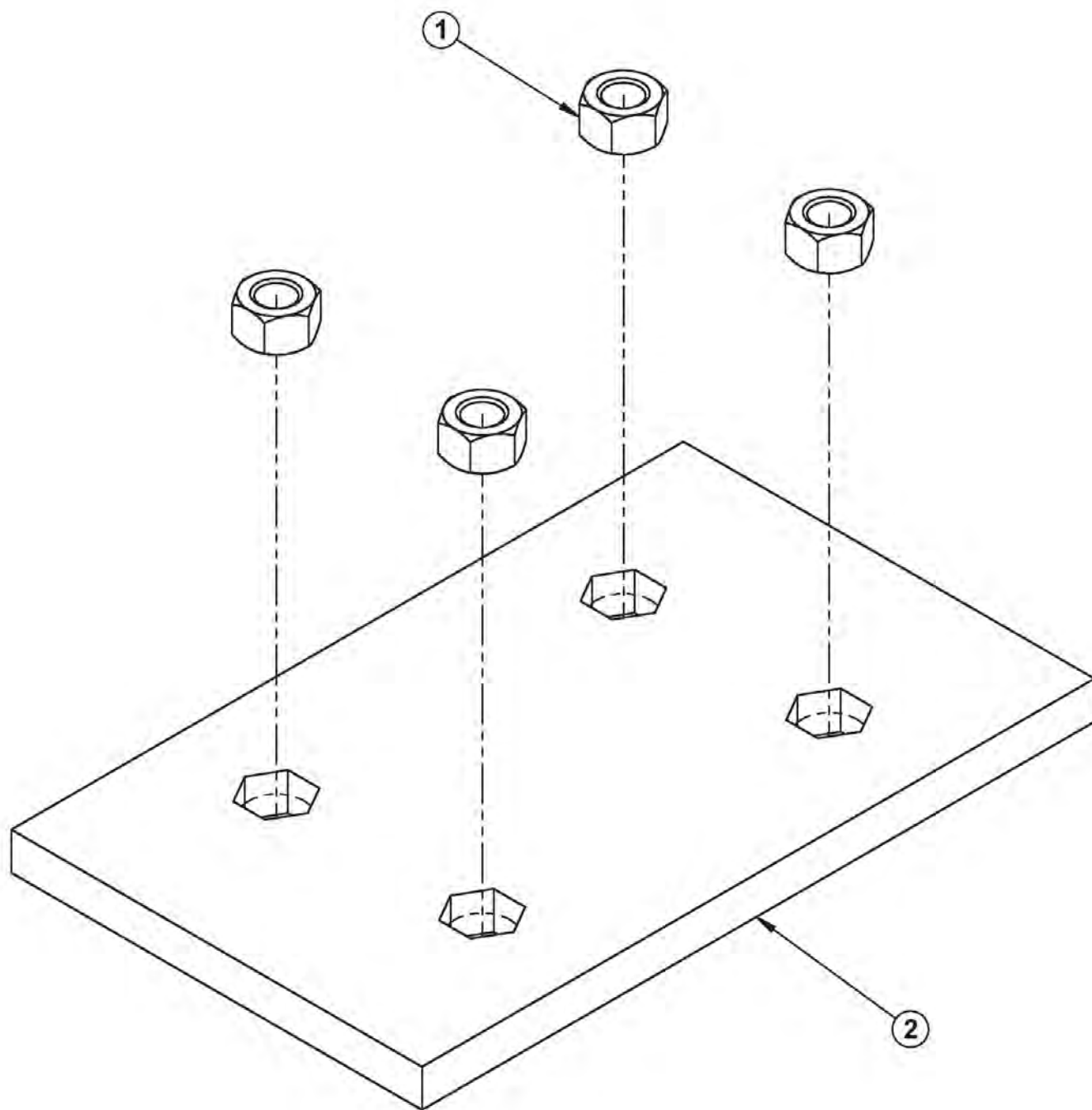
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	5	
14	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
24	PIN-1.000X3.38Y	PIN-1.000X3.38Y	1	
26	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
32	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	10	
33	T0050854	Anti Rotation Insert	6	
51	TA01077	Assy, Tie Rod	1	
52	TA01077	Assy, Tie Rod	1	
57	TA01311	Steering Pivot Assy	1	
58	TA01637	Assy, Turnbuckle	1	
60	TW001012	Pin Weldment	2	
64	TW001170	Pin Weldment	1	





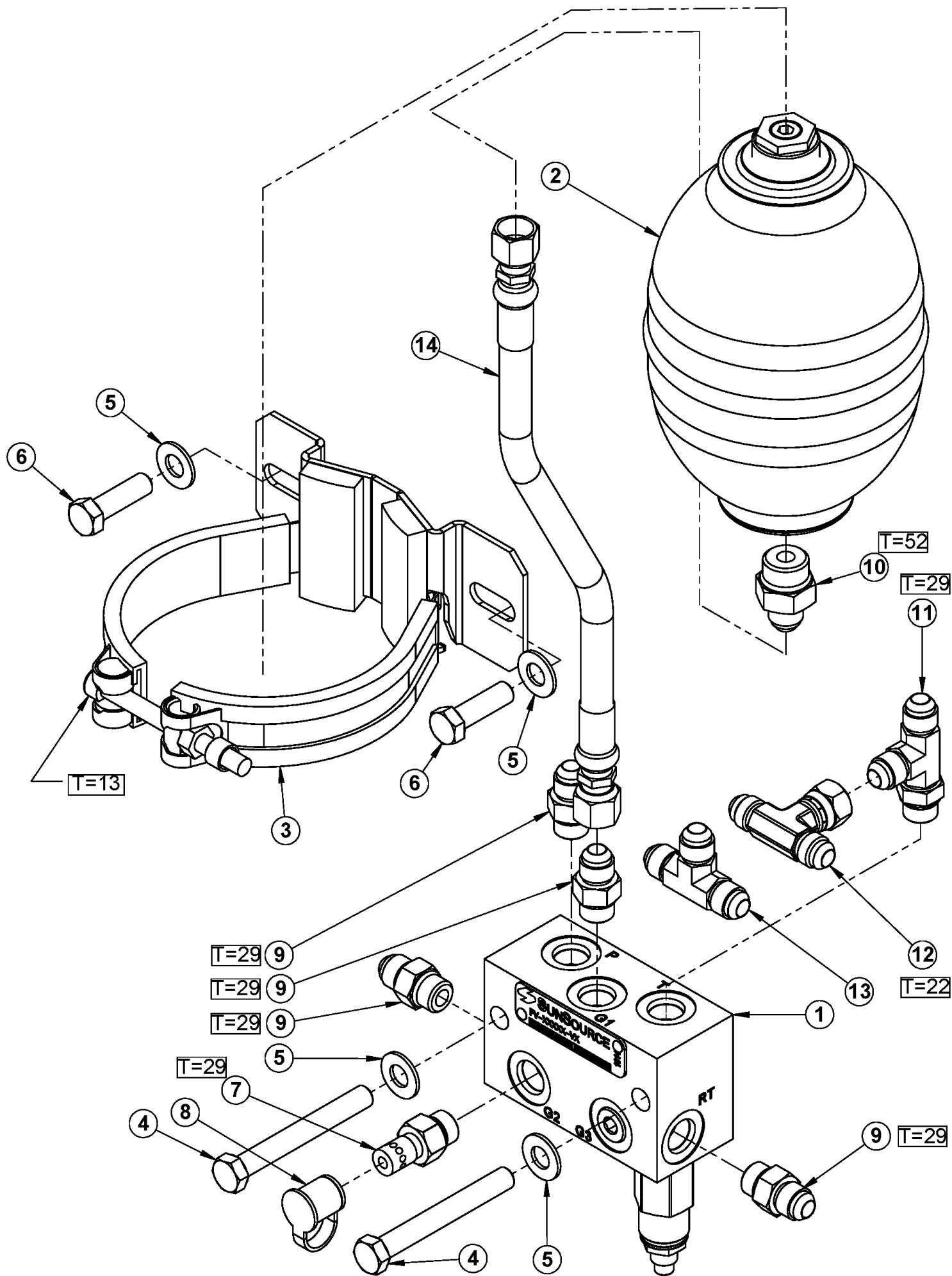
TA00843 Assy, Slider

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	

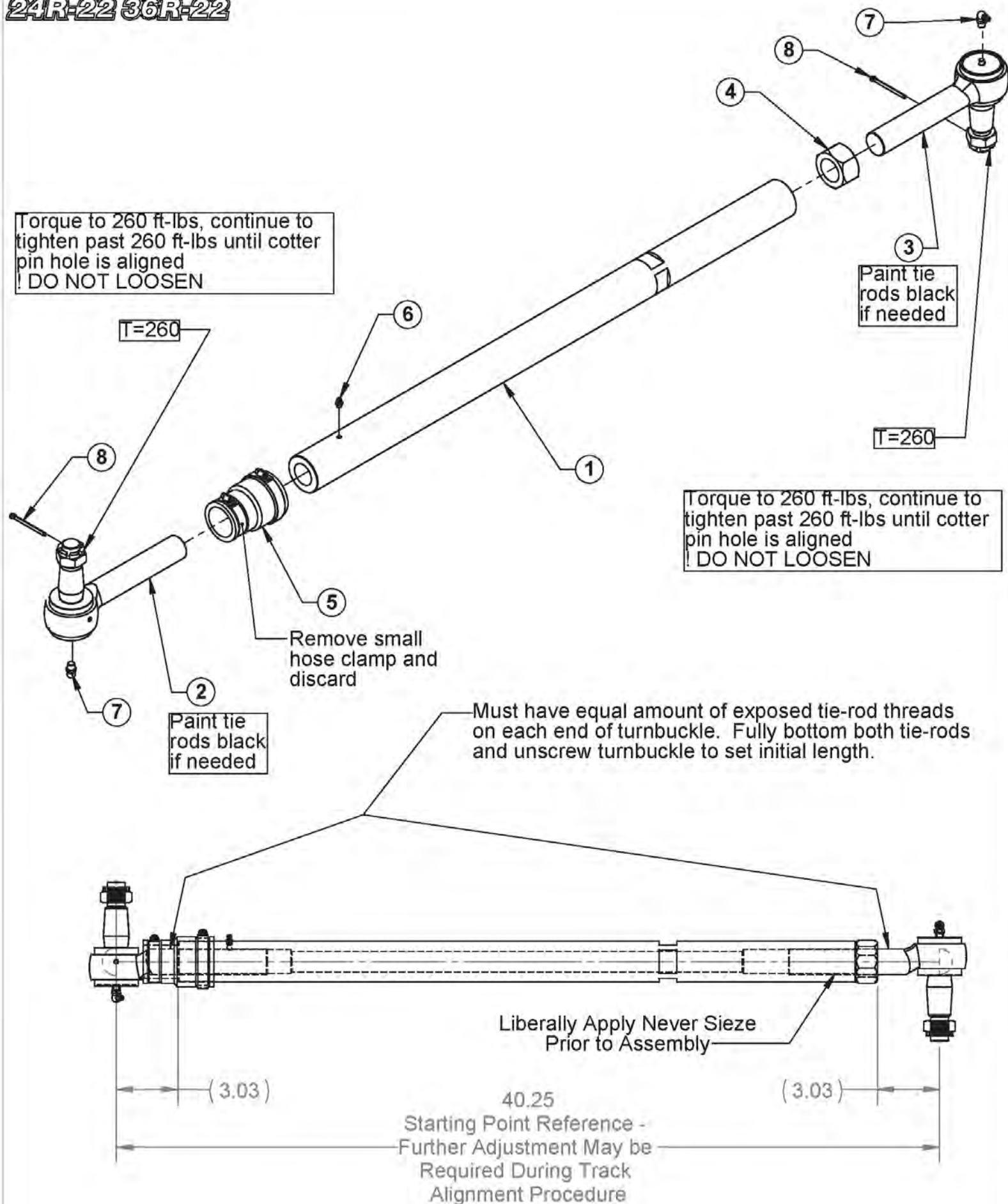


TA01239 Assy, Track Tension Valve

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0054379	Valve Assy, Track Tension	1	
2	T0054501	Accumulator, Track Tension	1	
3	TA01484	Assy, Accumulator Clamp	1	
4	HB-0.375-16X3.00Y8	HBolt-0.3750-16x3.000-YZ8	2	
5	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	4	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	2	
7	T0054476	Diagnostic Nipple	1	29
8	T0054469	Cap, Rubber	1	
9	AD-06MJ-06MB	Adapter, 06MJ-06MB	4	29
10	AD-06MJ-08MB	Adapter, 06MJ-08MB	1	52
11	AD-06MJ-06MB-06MJ	Adapter, 06MJ-06MB-06MJ Tee	1	29
12	AD-06MJ-06MJ-06FJX	Adapter, 06MJ-06MJ-06FJX Tee	1	22
13	AD-06MJ-06MJ-06MJ	Adapter, 06MJ-06MJ-06MJ Tee	1	
14	HS04-013-06FJ-06FJ-B	Hose 0.25-013-06FJX-06FJX	1	

Note:

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

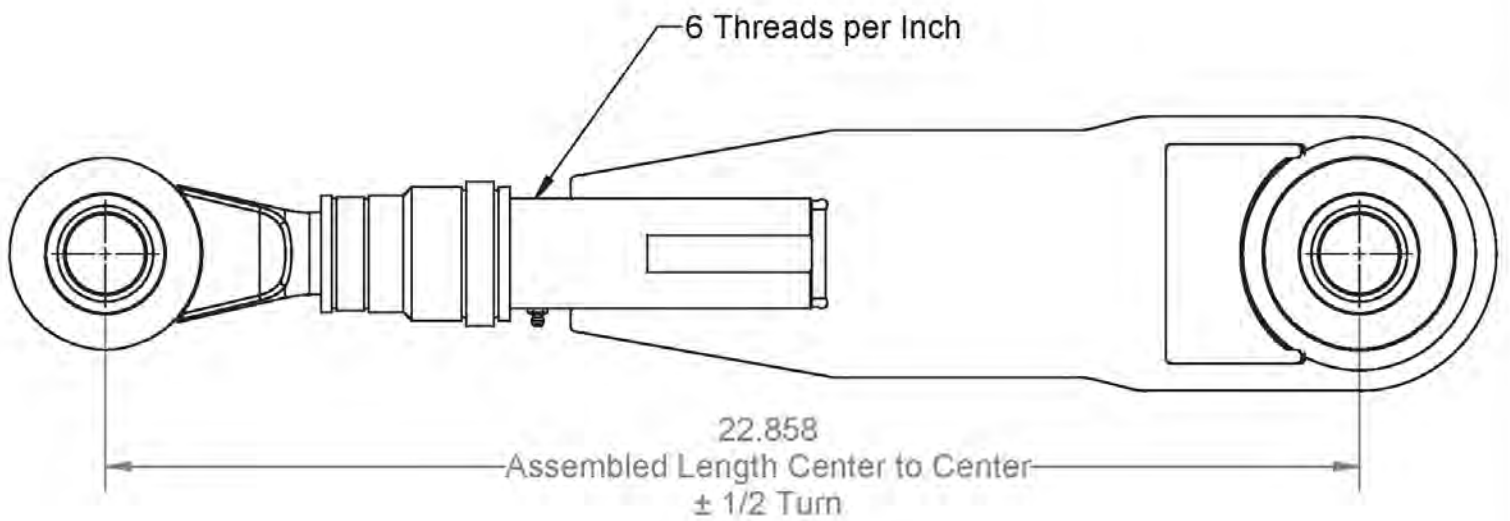
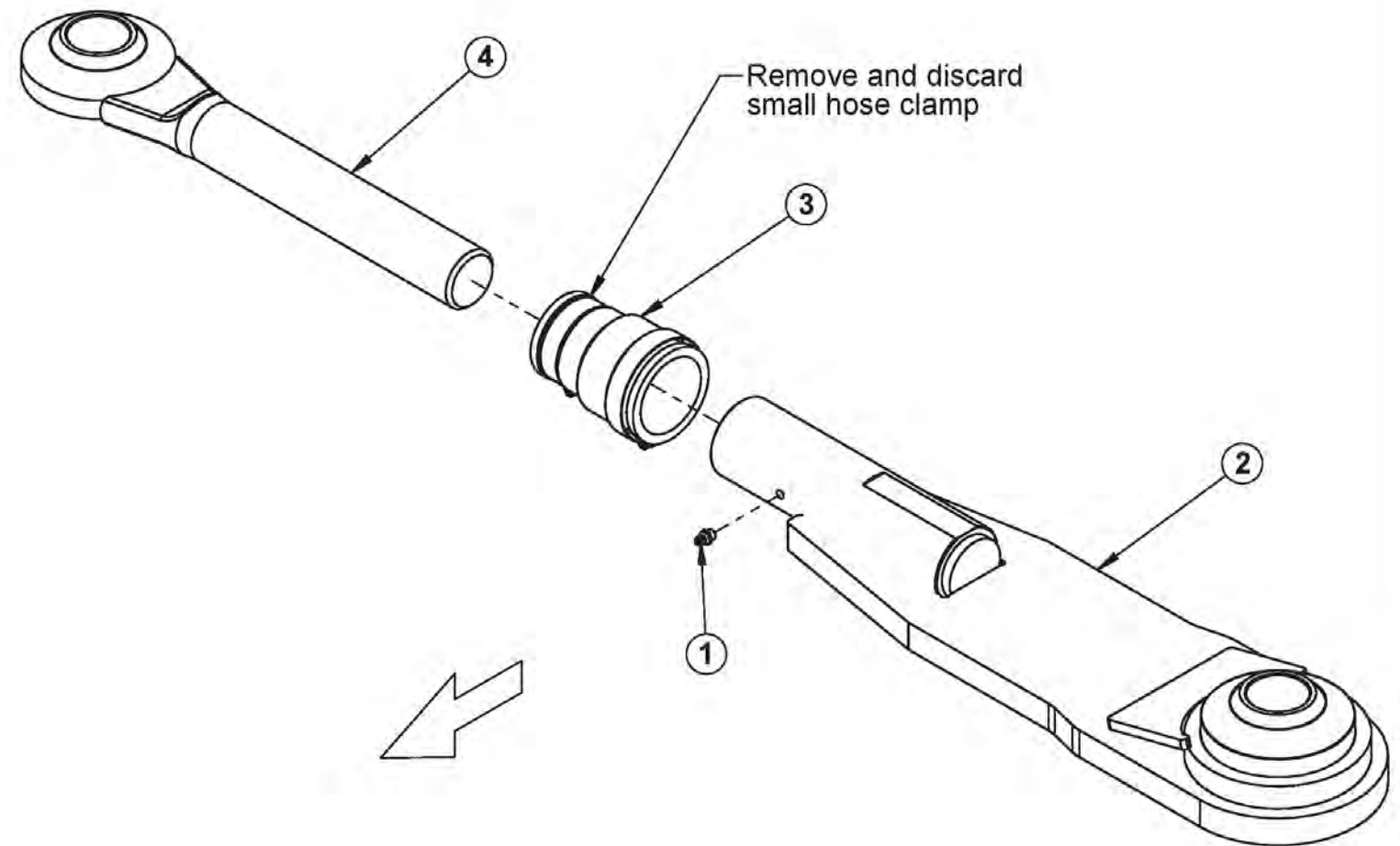


TA01077 Assy, Tie Rod

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	

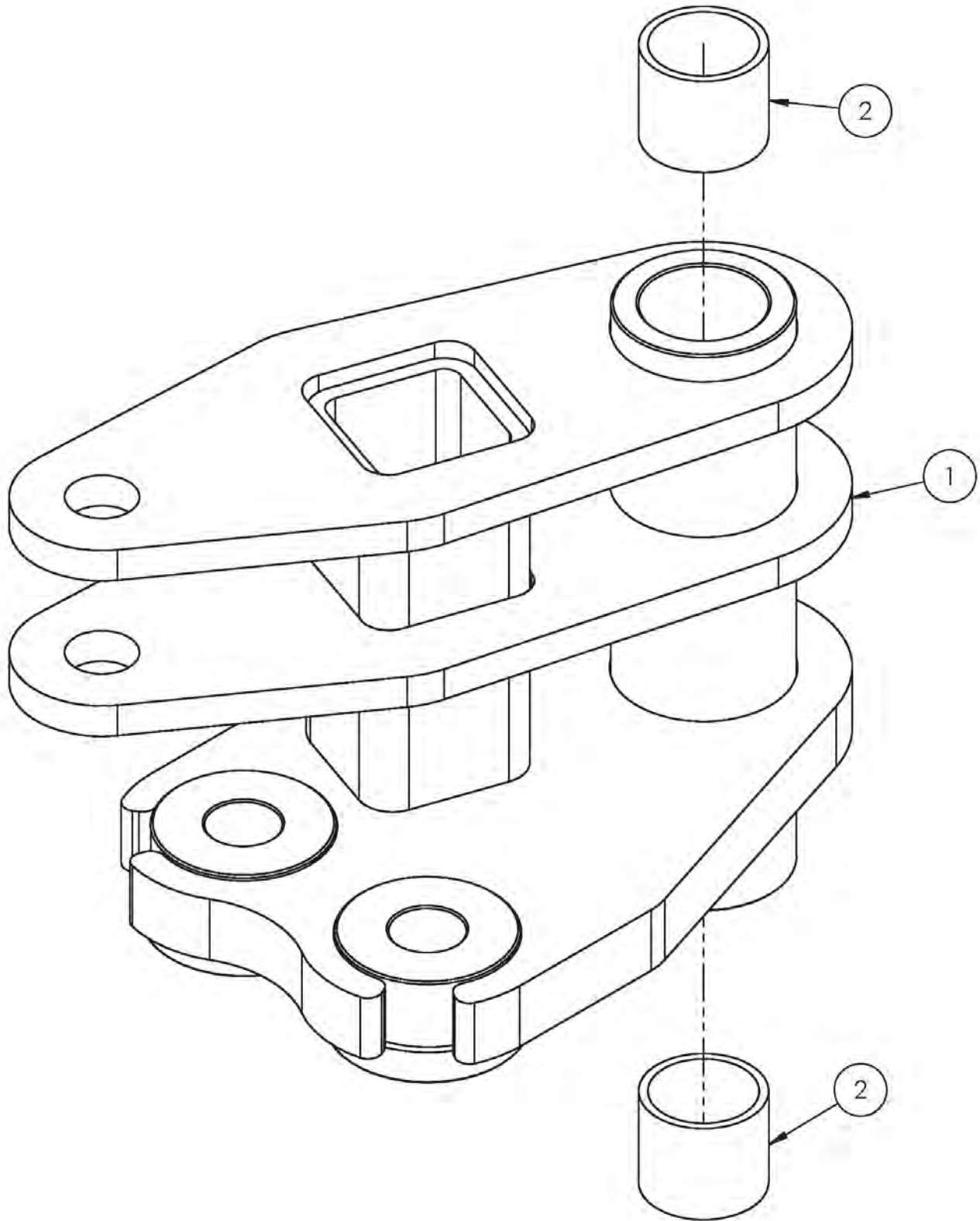
Note:

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.



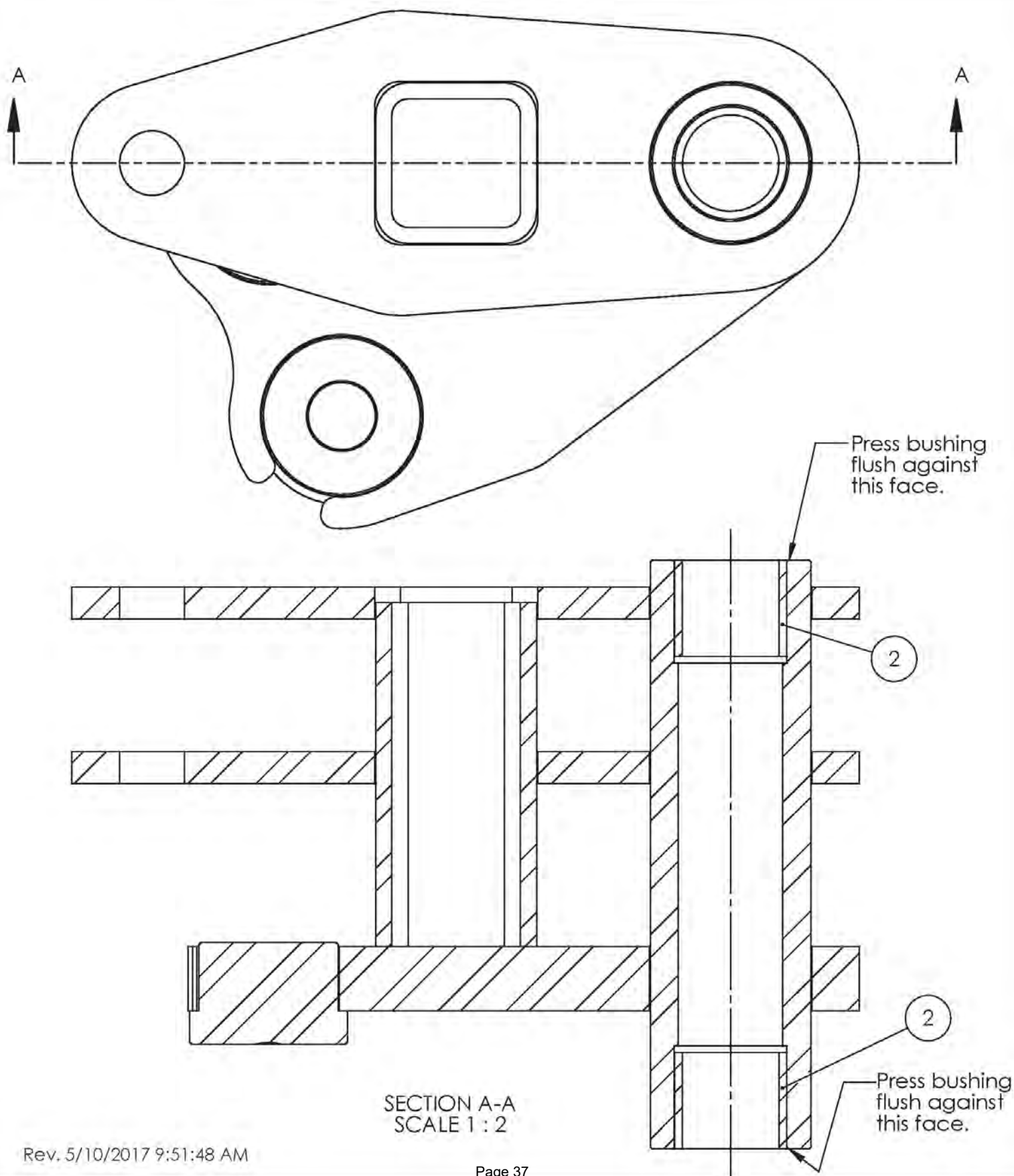
TA01117 Tilt Control Assembly

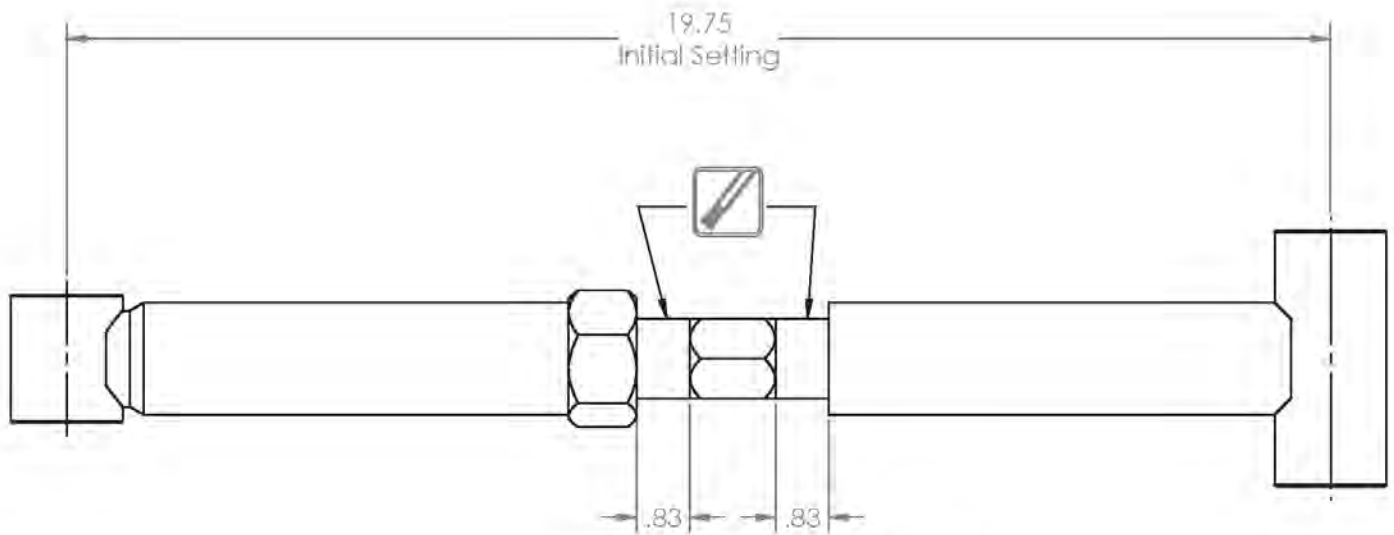
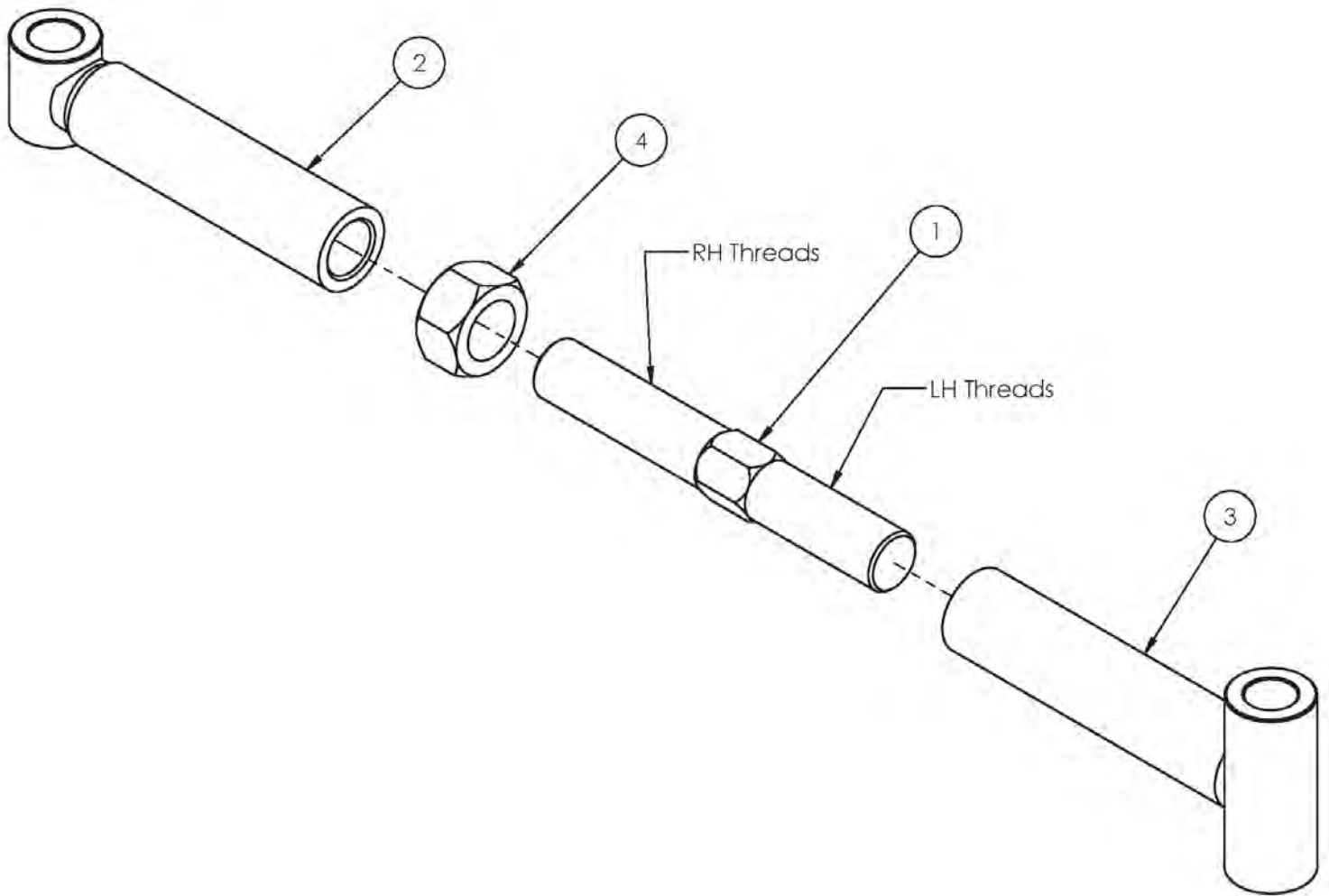
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	ZERK-0.250-28	Zerk, 1/4-28	1	
2	TW001063	Wldmt, Tilt Stop	1	
3	T0054207	1.5" x 1.25" Rubber Coupling	1	
4	T0051213	RH End Link	1	



TA01311 Steering Pivot Assy

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001167	Wdmt, Steering Pivot	1	
2	PB-1.500X1.75X1.50	Bush, Polygon 1.50x1.75x1.50	2	





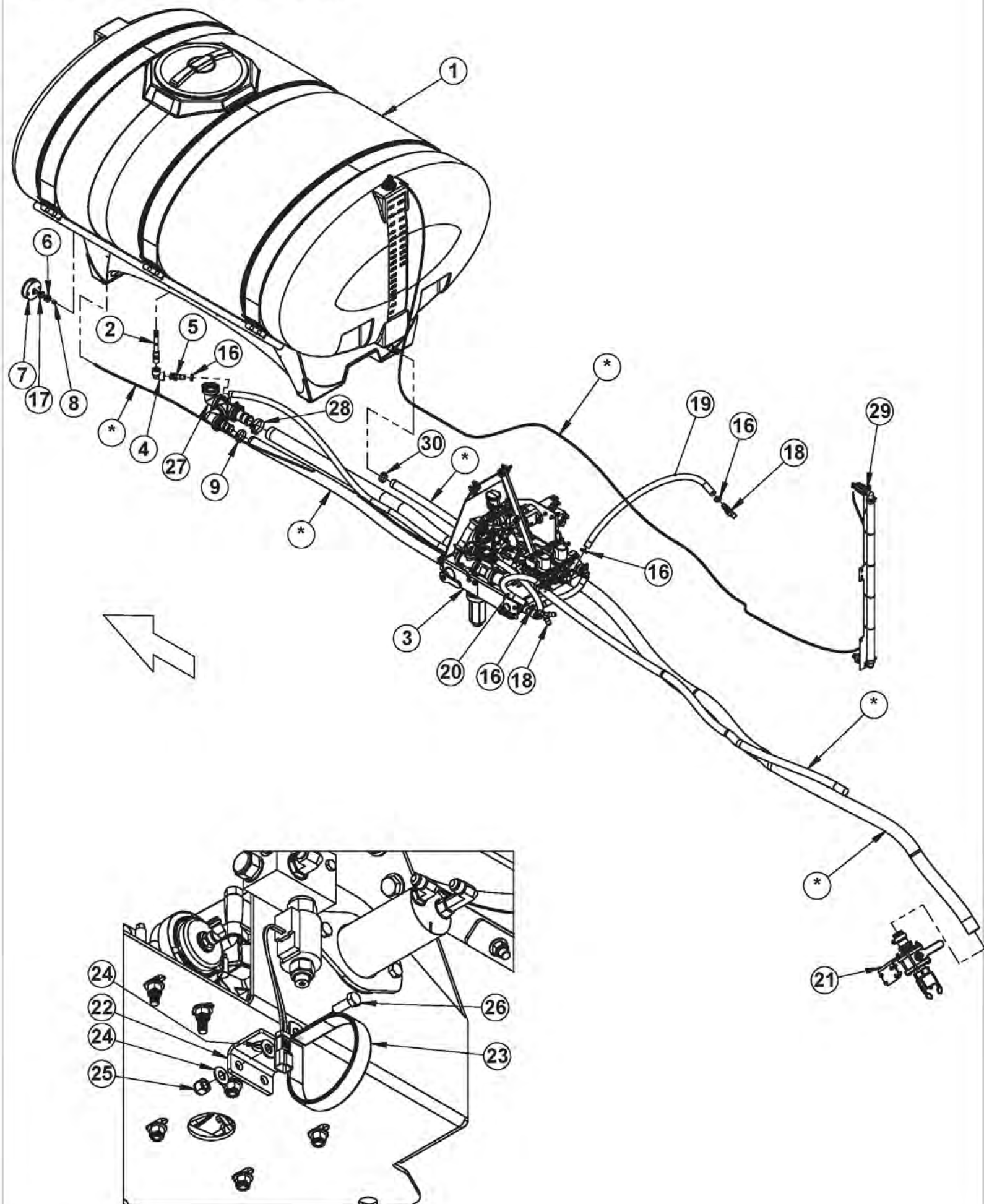
Thread lengths must be equal

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

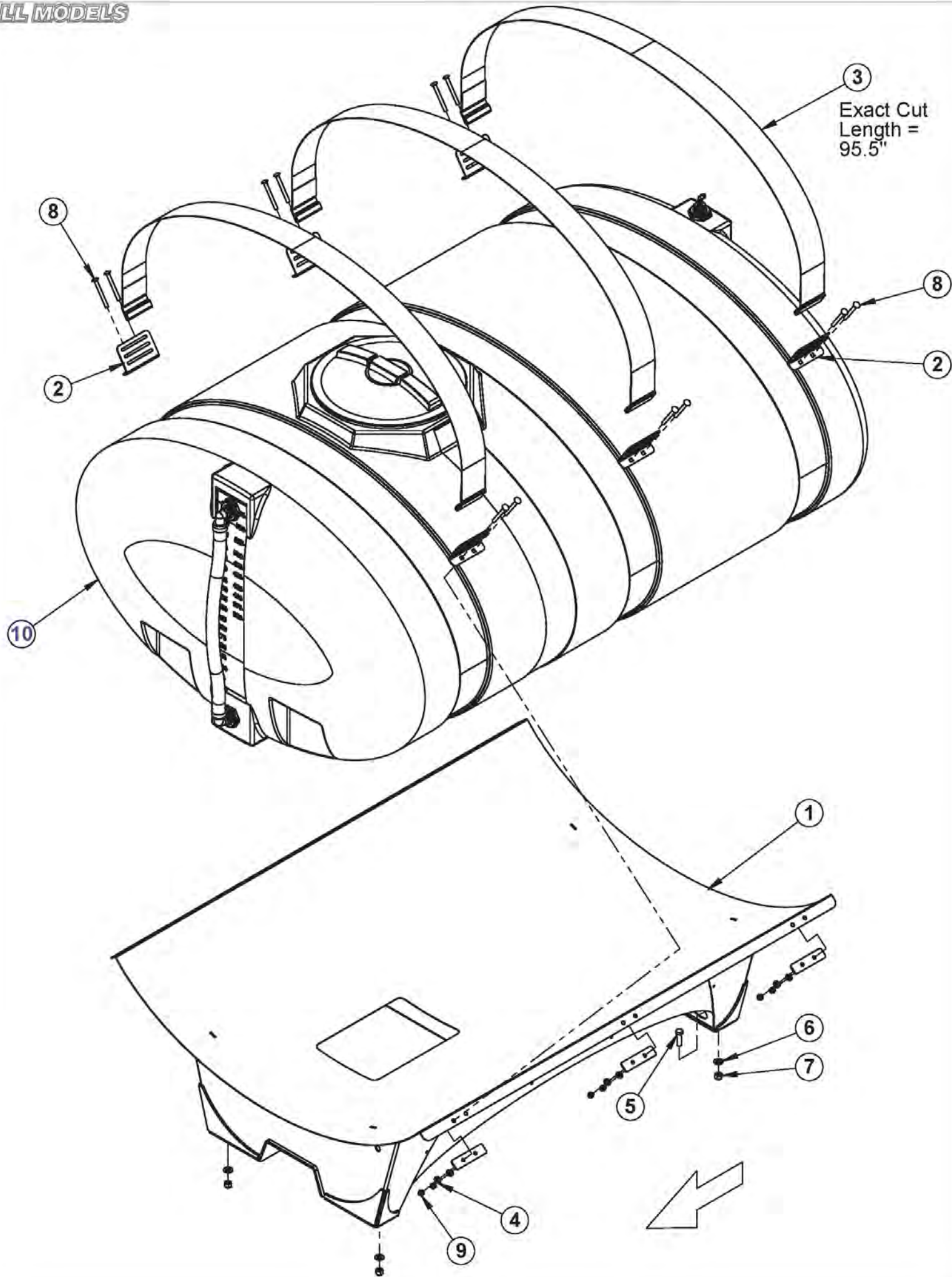


TA01519 Assy, Liquid Fertilizer System 500E

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01517	Assy, 500 Gal Tank and Base	1	
2	T0051637	Agitator, Tank	1	
3	TA01025	Assy, Fertilizer Pump Mount	1	
4	T0052428	Elbow, 3/4FPT X 3/4FPT	1	
5	T0051512	3/4" MPT x 3/4" HB	1	
6	T0052431	1/4" NPT Bulkhead Coupling	1	
7	86990418	Gauge, Pressure 4" SS 0-100PSI	1	
8	T0052452	Adaptor 1/4" PTC to 1/4 MPT	1	
9	T0051640	T-Bolt Clamp 2"	2	
10	47525135	Fertizr, 24 Row w/30GPM Sq Pmp	1	
11	T0051674	Hose, 0.38" Spray (per ft)	75	
12	T0051675	Hose, 0.75" Spray (per ft)	60	
13	T0052304	Hose, 1.00" Spray (per ft)	1	
14	T0051676	Hose, 1.50" Suction (per ft)	5	
15	T0051677	Hose, 2.00" Suction (per ft)	15	
16	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	8	
17	FW-DIN 125-M18C	Washer, FI Din 125 M18-CZ	1	
18	T0052445	3/4" Hose Barb Wye	2	
19	T0052780	Hose, AgSpray 200 Ø3/4x30	1	
20	T0052781	Hose, AgSpray 200 Ø3/4x30	1	
21	TA00693	Assy, Liquid Fert Mount	1	
22	T0053651	Brkt, Suction Tube	1	
23	PCLMP-4.000x2.56	Clmp, Cus Pipe Ø4x2-9/16	1	
24	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
25	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	1	
26	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	1	
27	TA01539	Assy, Sump Fill 500 Elliptical	1	
28	T0051639	T-Bolt Clamp 2.5"	1	
29	TA01541	Assy, Rear Liq Fert Sight Gauge	1	
30	HCLMP-SAE-16SS	Clamp, Hose-SAE-#16-SS	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.

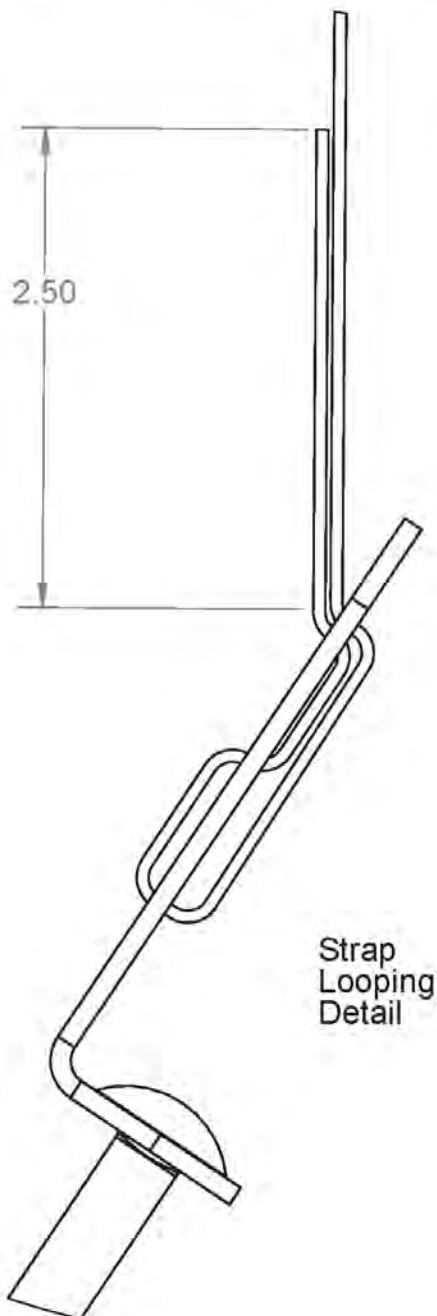


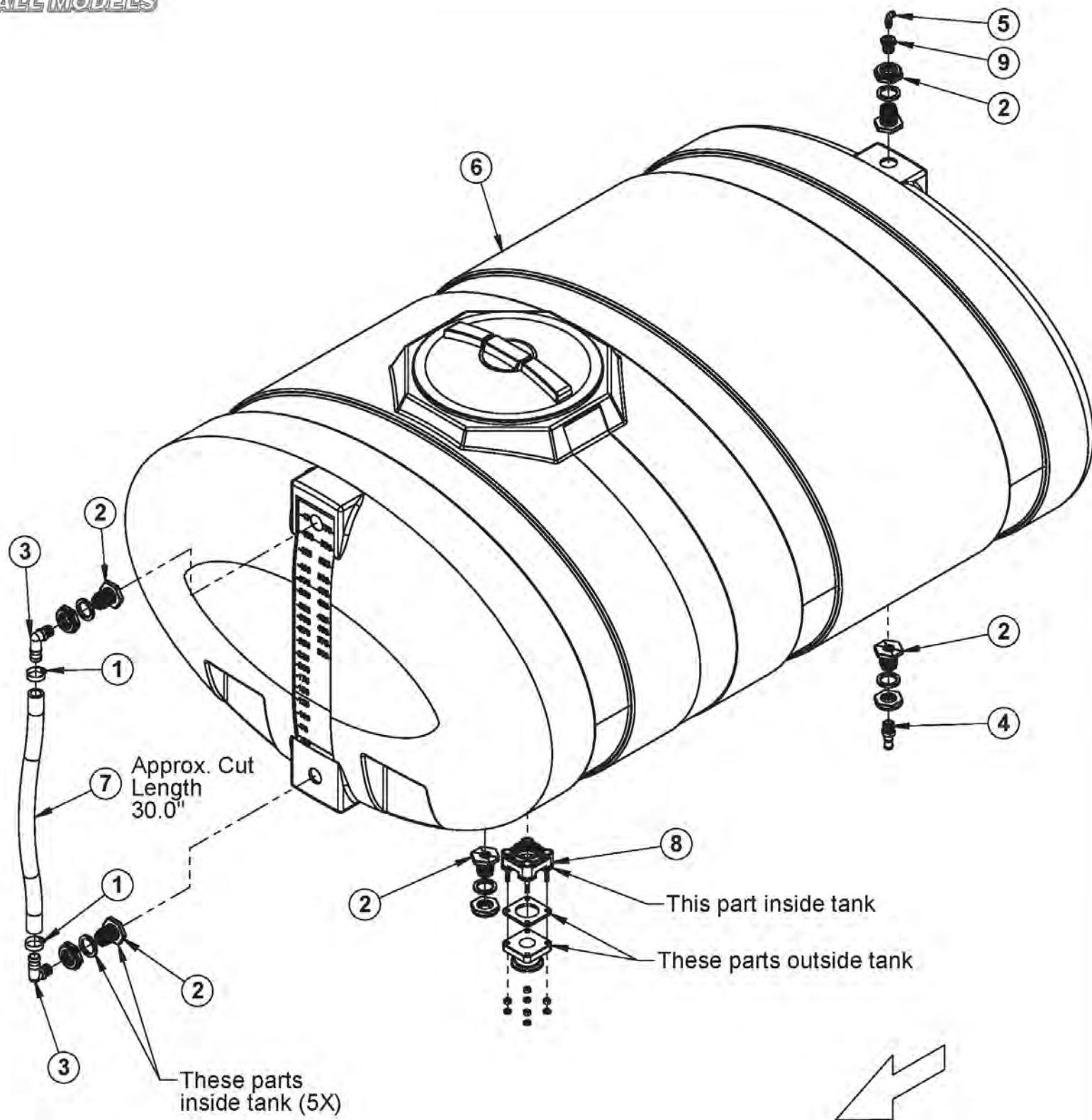
TA01517 Assy, 500 Gal Tank and Base

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.



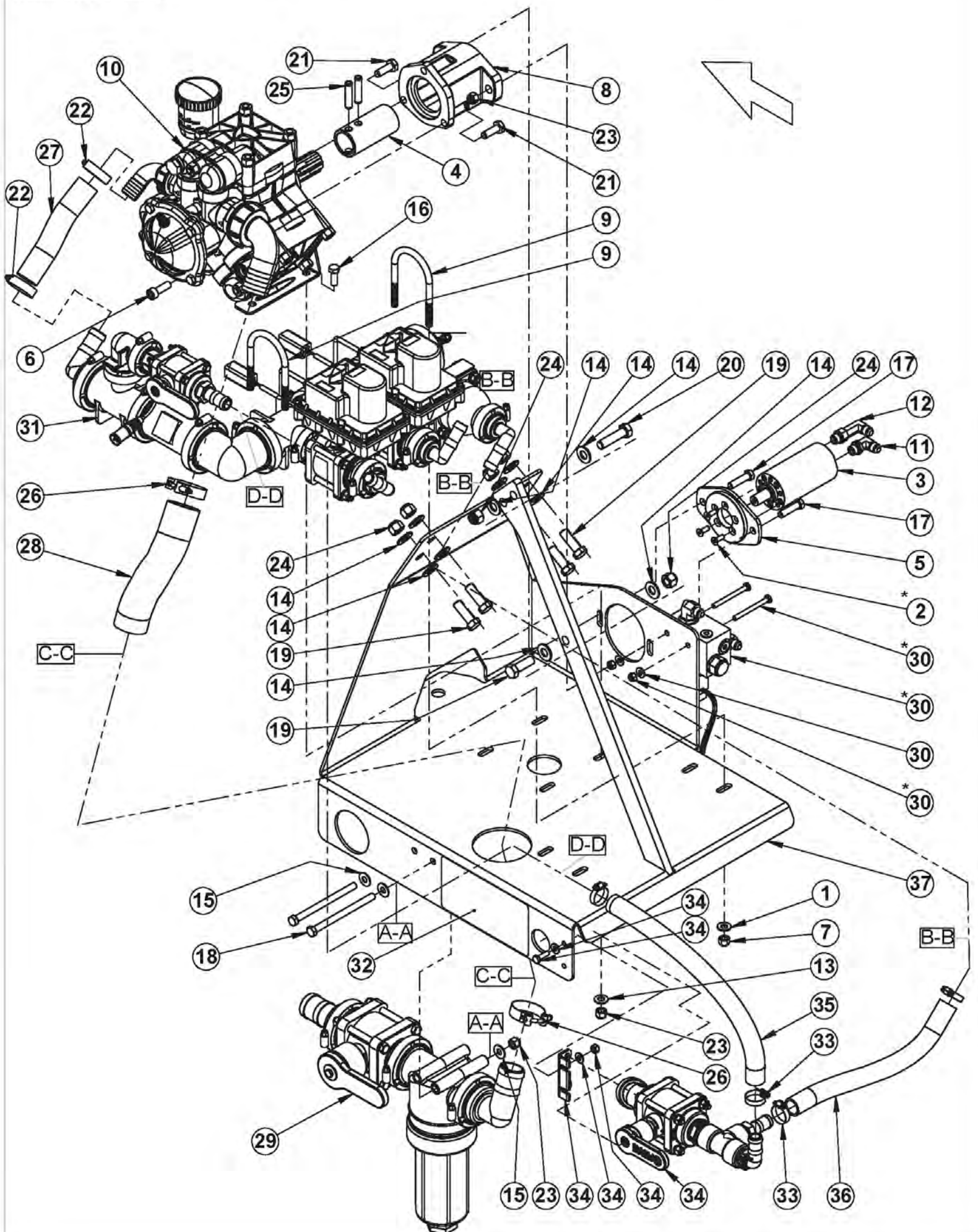


TA01518 Assy, Fert Tank 500 Gal

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 Bolted-Btm 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.

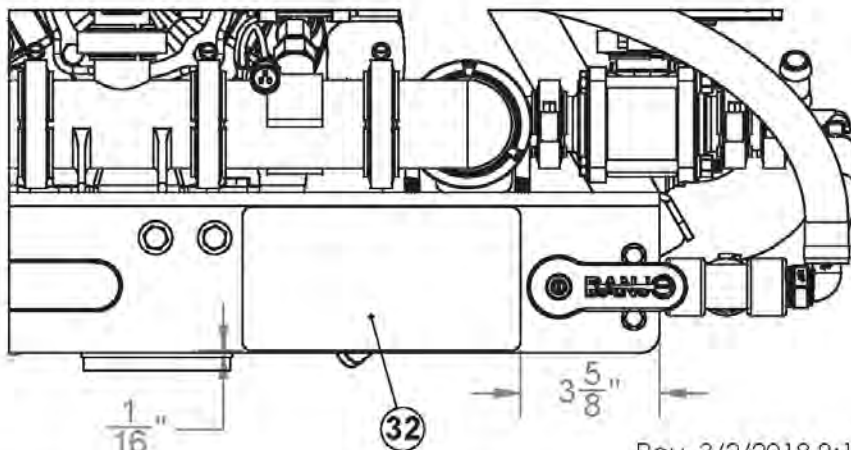


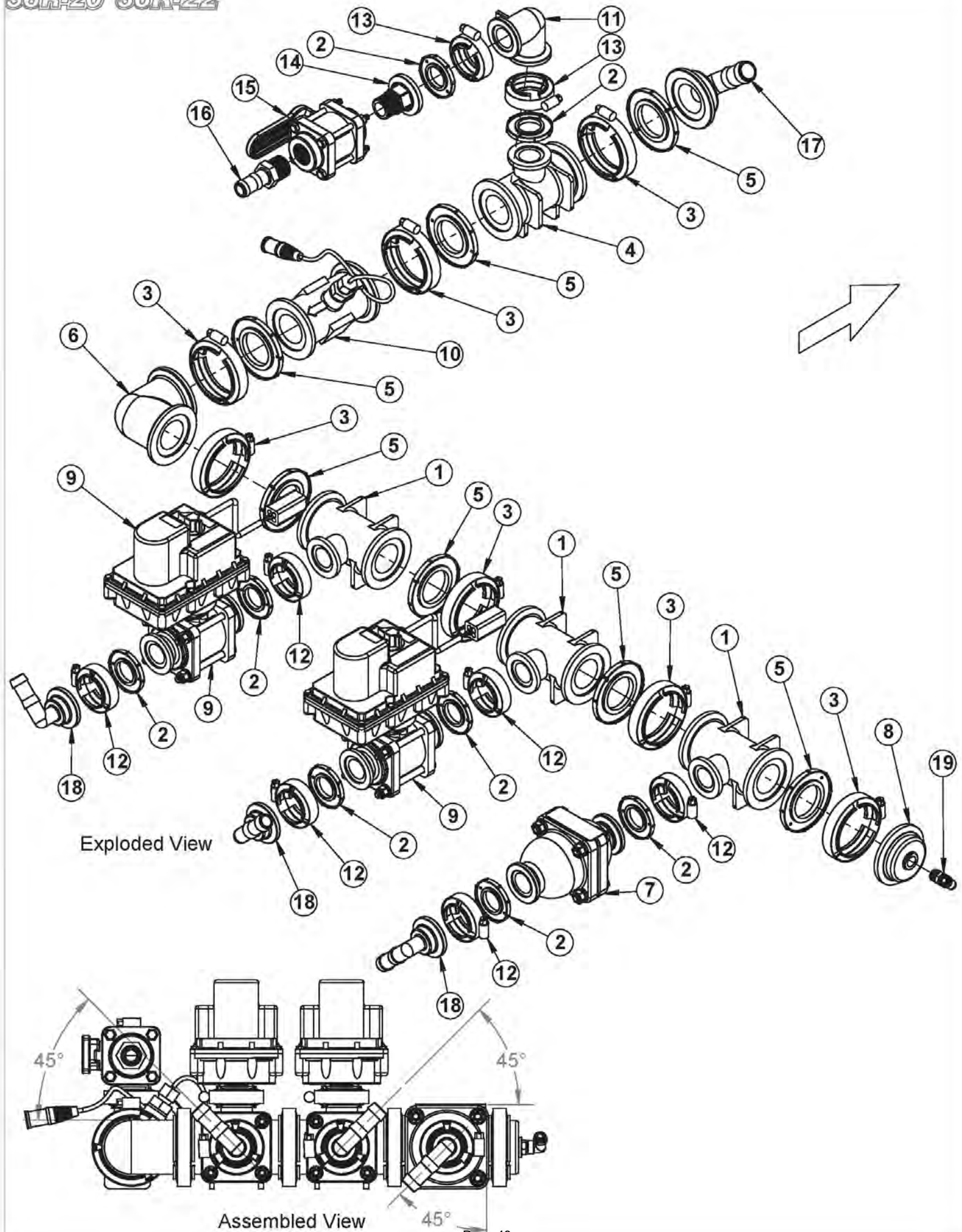
TA01025 Assy, Fertilizer Pump Mount

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	87016	Washer	4	
2	87659	FHCSS-0.250-28x0.75-B	3	
3	284797A1	Motor, 19.8CM ³ Disp Fert Drive	1	
4	400299A2	Coupling, Pump Motor	1	
5	400300A1	Flange, Mounting YZ	1	
6	9832986	Screw, Hex Soc Hd, M10x30, 8.8	1	
7	86985855	Nut, Nylock 3/8-16 SS	4	
8	86990284	Flange, Motor Mounting	1	
9	87413269	UBolt-0.3750x3.00x3.63-RB-SS	2	
10	87504661	Pump, Liquid Fertilizer	1	
11	AD-06MJ-06MB-90	ADAPTER 06MJ-06MB 90	1	
12	AD-06MJ-06MB-90LL	ADAPTER 06MJ-06MB 90LL	1	
13	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
14	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	12	
15	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	4	
16	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	4	
17	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	2	
18	HB-0.375-16X5.00Y8	Bolt, Hex Hd-3/8-16x5-YZ8	2	
19	HB-0.500-13X1.50Y8	Bolt, Hex Hd 1/2-13x1-1/2 YZ8	5	
20	HB-0.500-13X2.00Y8	Bolt, Hex Hd 1/2-13x2 YZ8	1	
21	HB-M10-1.5x30-Y10.9	HBolt-M10-1.5x30-YZ10.9	2	
22	HCLMP-SAE-16SS	Clamp, Hose-SAE-#16-SS	2	
23	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	8	
24	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	6	
25	RPin-M10x45	Pin, Spring M10x45	2	
26	T0051640	T-Bolt Clamp 2"	2	
27	T0052449	Hose, AgSpray 300 Ø1X8	1	
28	T0052451	Hose, 1.50" x 9" Suction	1	
29	TA00832	Assy, Filter, Valve Sub	1	
30	TA00833	Assy, Control Valve	1	
31	TA01036	Assy, Fert Pump Valve	1	
32	T0053597	Decal, Warn-Chem Haz & Info	1	
33	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	4	
34	TA01035	Assy, Secondary Tank Shutoff	1	
35	T0053600	Hose, AgSpray 200 Ø3/4x15-1/2	1	
36	T0053601	Hose, AgSpray 200 Ø3/4x12	1	
37	TW001393	Wdmt, Fertilizer Mount	1	

Note:

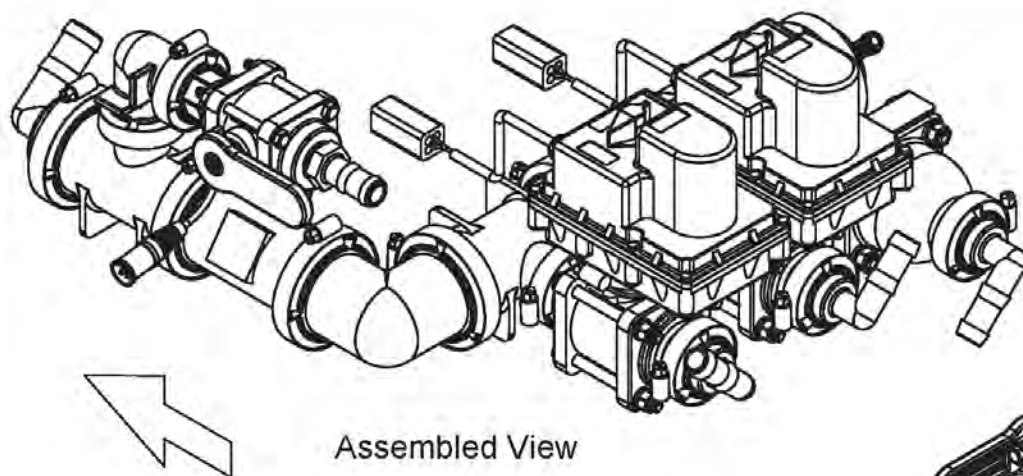
- Item # 27 is cut to length from P/N T0052304.
- Item # 28 is cut to length from P/N T0051676.
- Item # 35 is cut to length from P/N T0051675
- Item # 36 is cut to length from P/N T0051675
- * Items marked with an asterisk, are items that are included with that particular assembly.



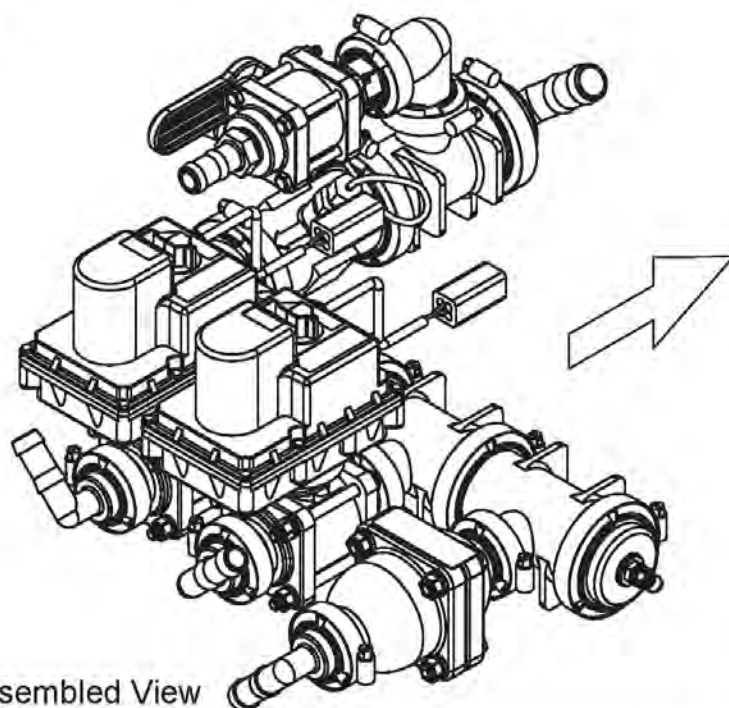


TA01036 Assy, Fert Pump Valve

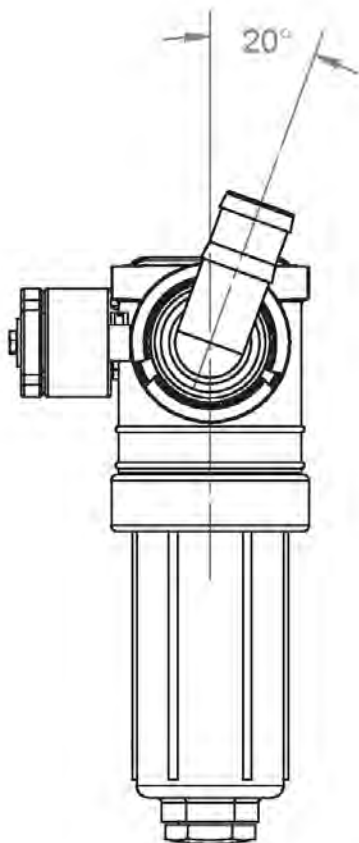
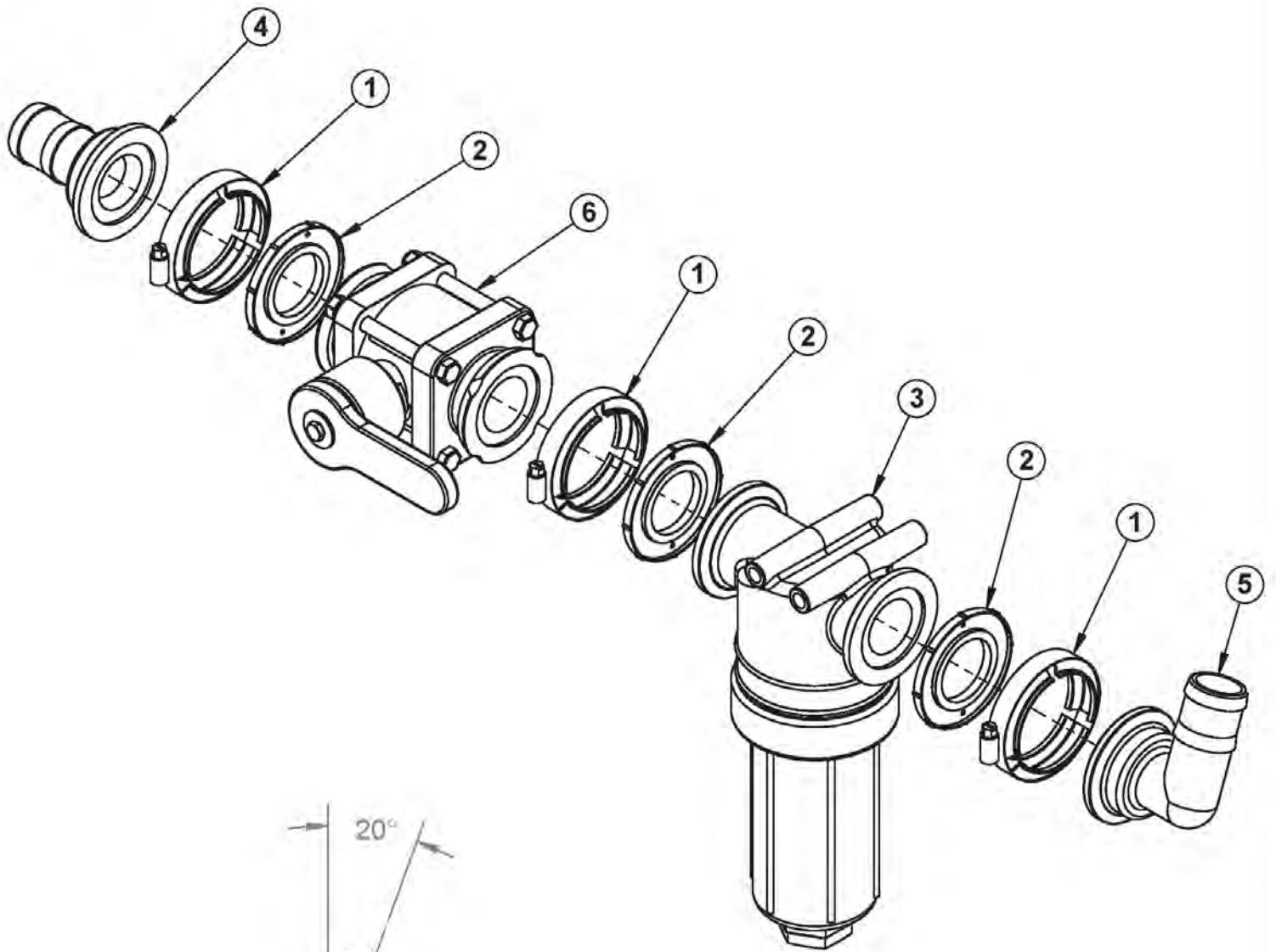
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	86984089	Tee 2" x 2" x 1"	3	
2	T0053645	Gasket, Univ Flanged 1.0" EPDM	8	
3	406040A1	Clamp 2" Flange	7	
4	T0051076	Tee 2" x 2" x 1"	1	
5	T0053630	Gasket, Univ Flanged 1.5" EPDM	7	
6	405782A1	Elbow 2" 90 Short	1	
7	87505937	Pressure Relief Valve - 100PSI	1	
8	87670356	Plug 2" w/ Gauge Port	1	
9	406039A1	Solenoid Valve - Liquid	2	
10	406037A2	Flowmeter,RFM15 Range .3-15GPM	1	
11	T0051506	Coupler Flange 90 Deg 1"	1	
12	406041A1	Clamp 1" Flange	6	
13	T0051636	Clamp 1" Flange	2	
14	T0051509	1" Flange x 3/4" MPT	1	
15	T0053531	Valve, Full Port .75X.75	1	
16	T0051512	3/4" MPT x 3/4" HB	1	
17	T0051563	2" Flange x 1" 90 HB	1	
18	405785A1	Elbow 90 1" Flange 3/4" HB	3	
19	T0052453	Elbow 1/4" PTC to 1/4" MPT	1	



Assembled View

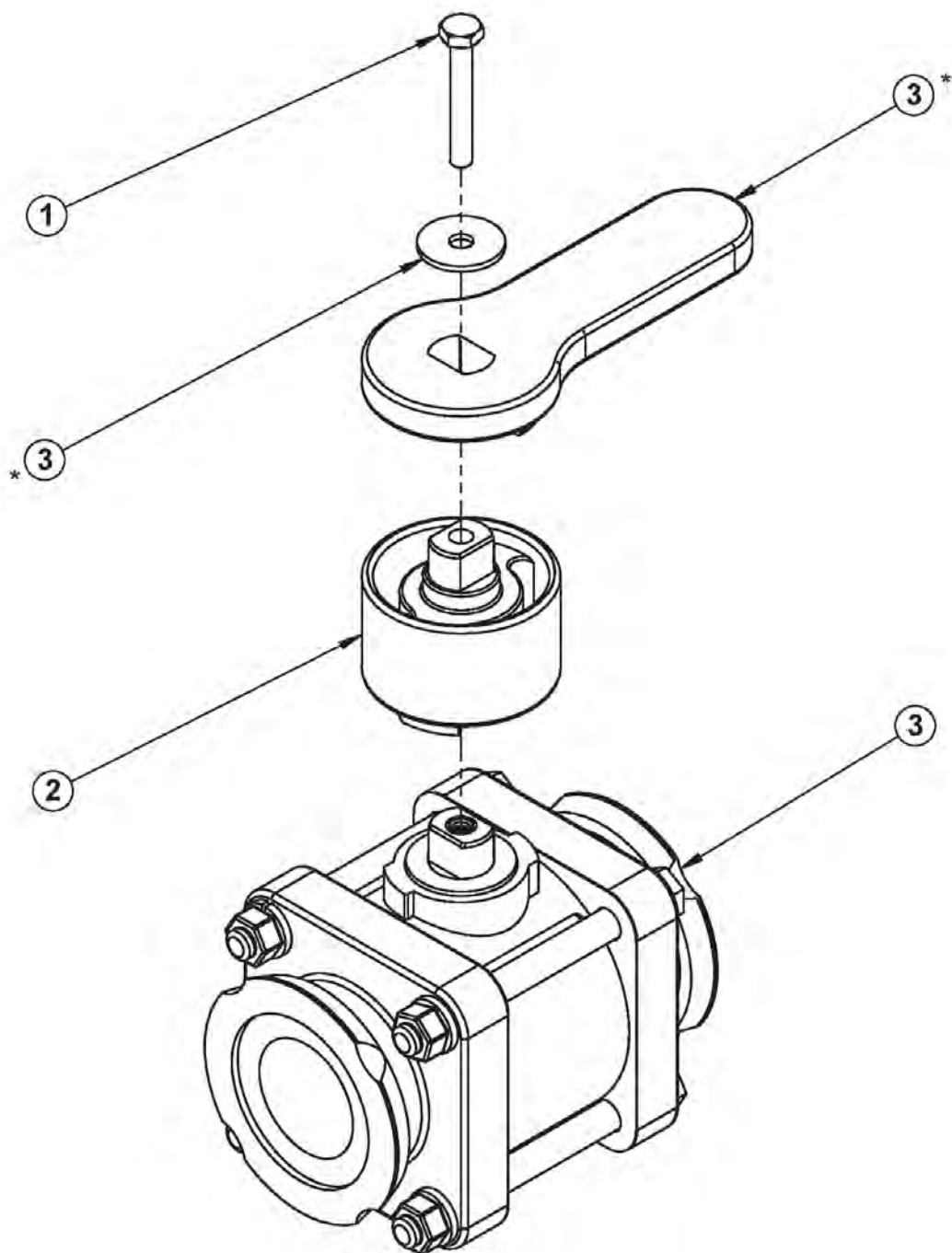


Assembled View



TA00832 Assy, Filter, Valve Sub

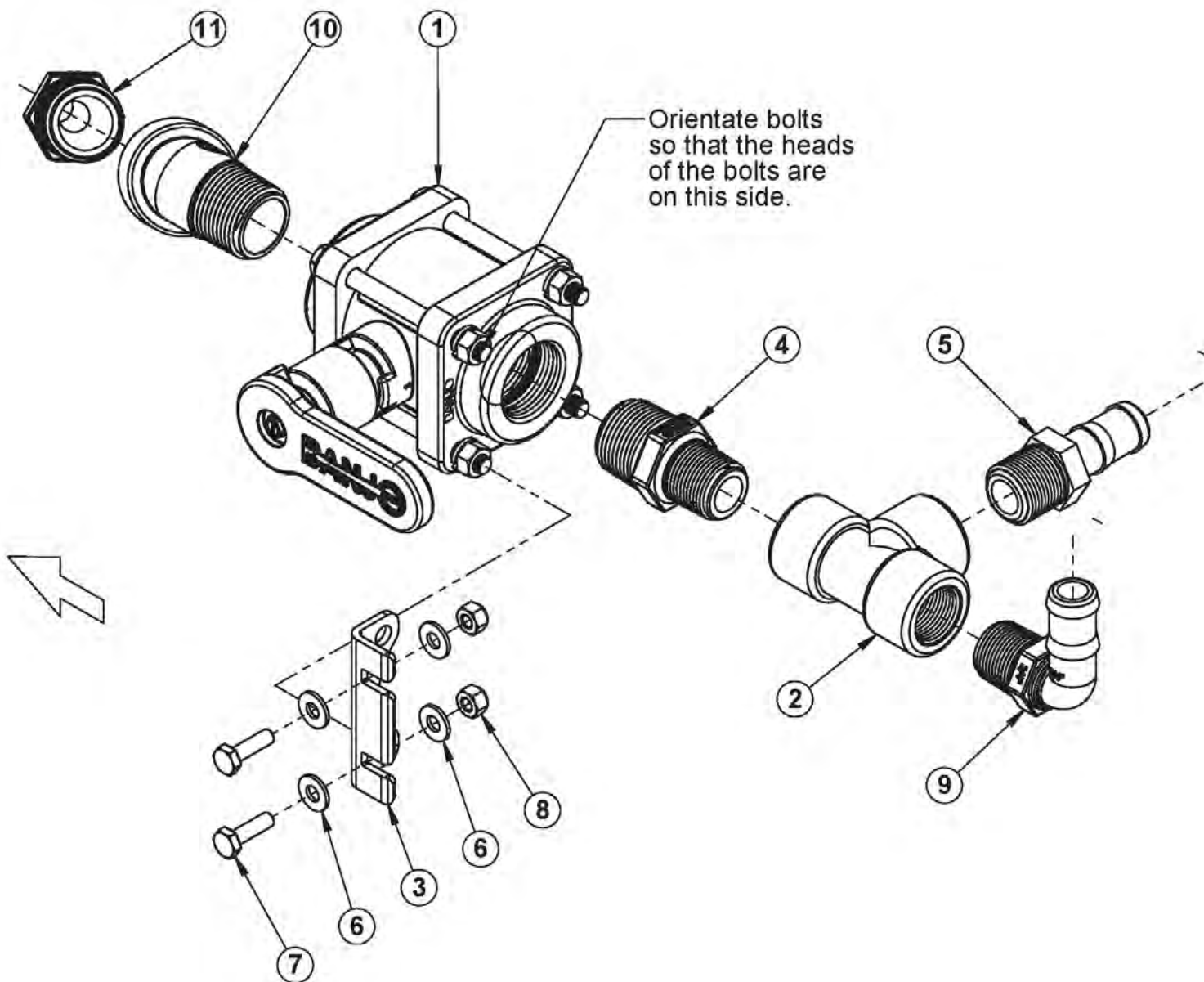
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051560	Clamp 2" Flange	3	
2	T0053630	Gasket, Univ Flanged 1.5" EPDM	3	
3	T0051597	Mnfld, 2" T Strainer-80 Mesh	1	
4	T0051598	Fitting, 2" Flange x 1.5" HB	1	
5	T0051619	2" Flange x 1.5" 90 deg HB	1	
6	TA00829	Assy, Valve With Riser	1	



TA00829 Assy, Valve With Riser

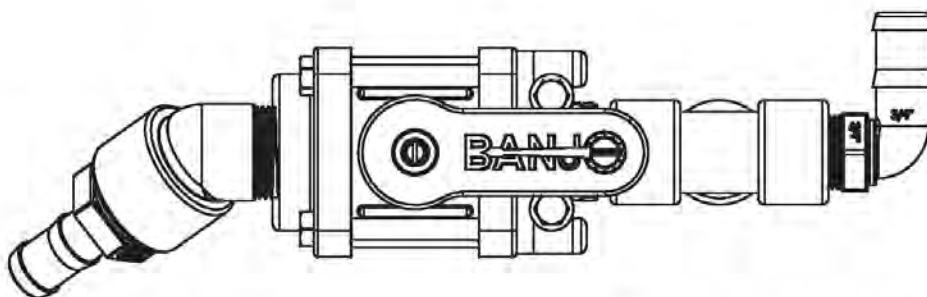
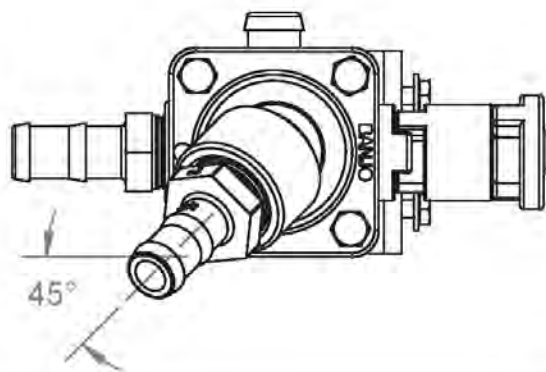
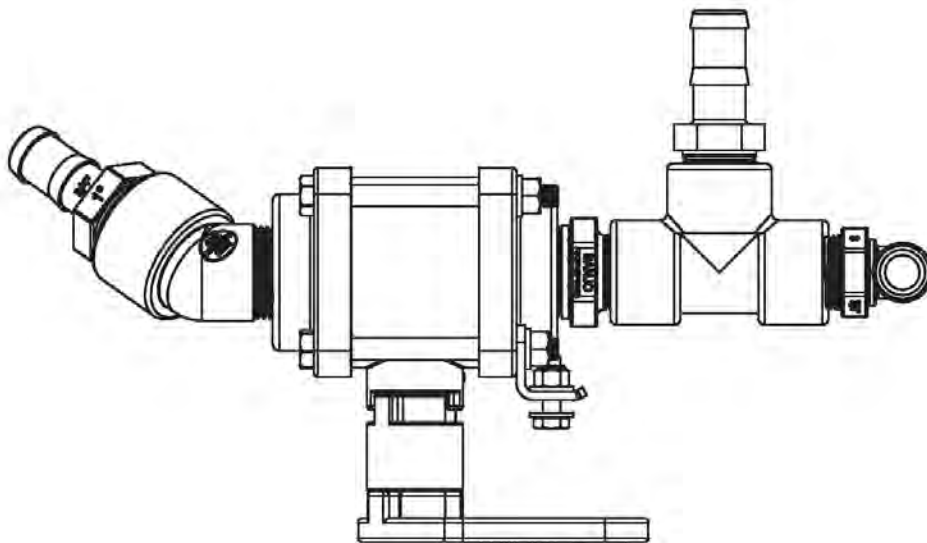
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HB-0.250-20X1.75SS	Bolt, hex Hd 1/4-20x1-3/4-SS	1	
2	T0052410	Handle Riser	1	
3	T0051615	Valve, Ball 2" Manifold	1	

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

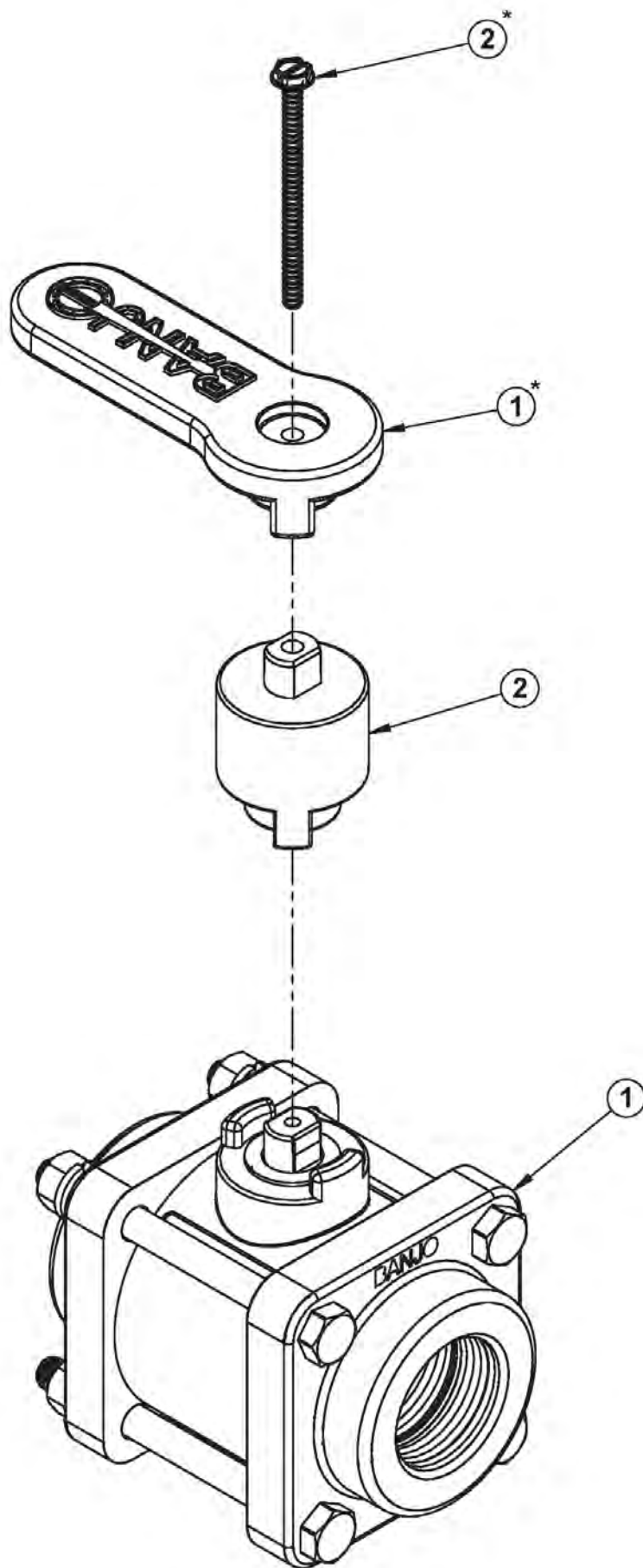


TA01035 Assy, Secondary Tank Shutoff

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01037	Assy, Valve w/ Offset Handle	1	
2	T0051558	Tee 3/4" Threaded	1	
3	T0053577	Brkt, Valve Mounting 90 Deg	1	
4	T0053592	Nipple, Reducing Coupler 1x.75	1	
5	T0051512	3/4" MPT x 3/4" HB	1	
6	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	4	
7	HB-0.250-20X0.88Y8	Bolt, Hex Hd 1/4-20x7/8 YZ8	2	
8	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	2	
9	T0053593	Ftng, MPT.75x.75 Hbarb 90 Deg	1	
10	T0053595	Ftng, 45 Deg Street Elbow-1"	1	
11	T0053598	Ftng, 1.0 MPT x .75 Hose Barb	1	



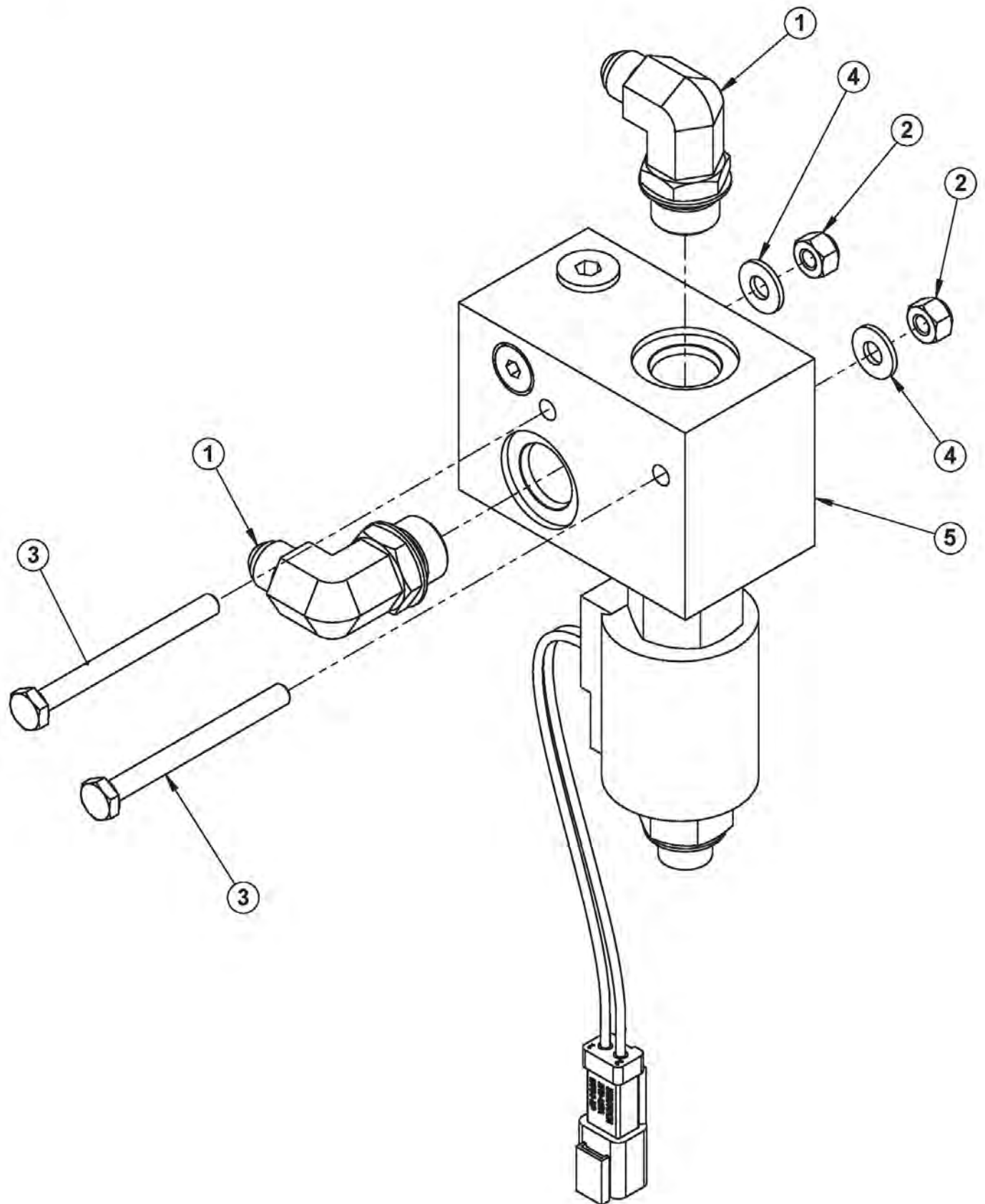
Assembled Views



TA01037 Assy, Valve w/ Offset Handle

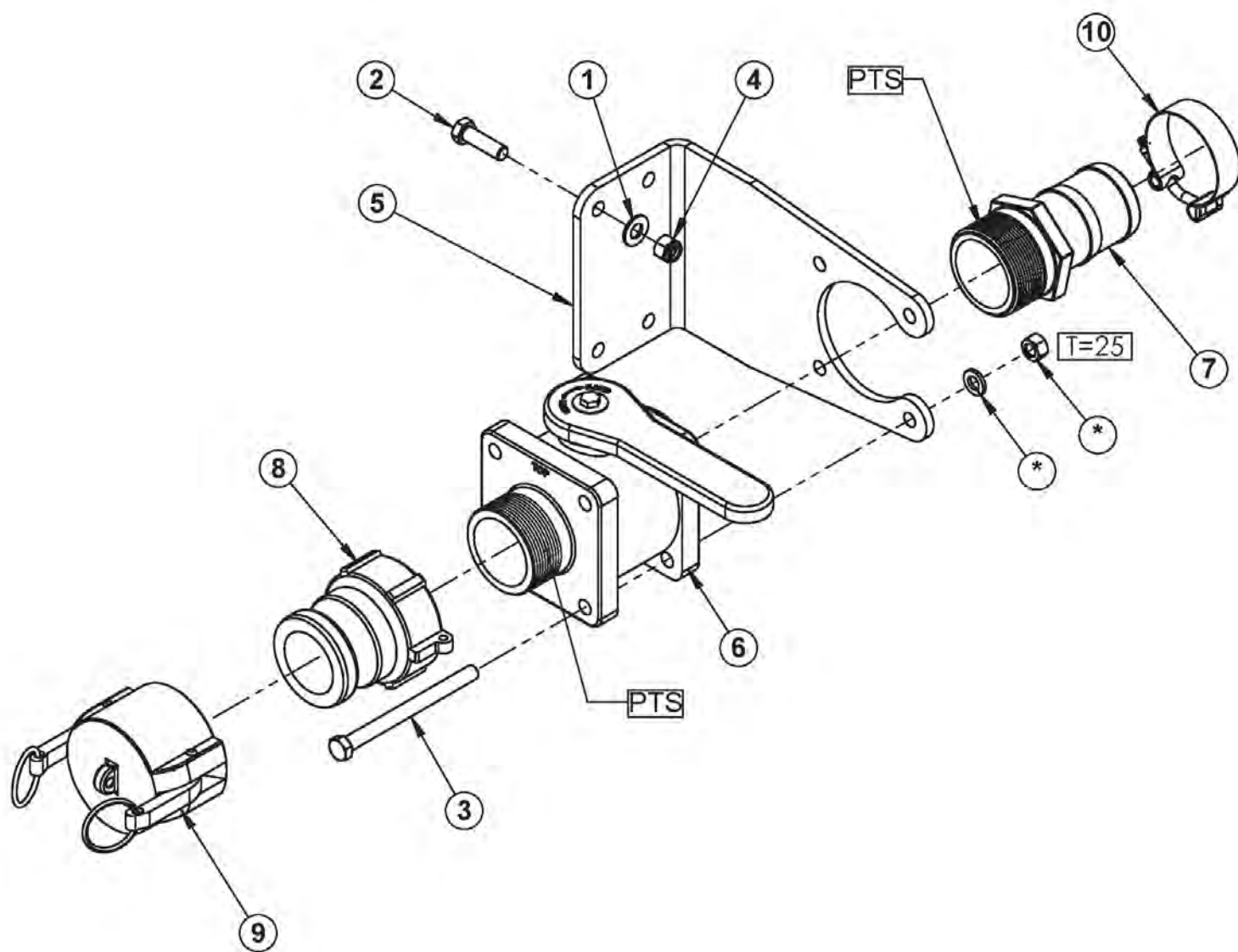
ITEM	PART NUMBER	Vendor	Vendor PN	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0053581	Banjo Corp	V100FP	Valve, Full Port 1 x 1	1	
2	T0053582	Banjo Corp	V10153138	Valve Handle Offset, 2 x 1.375	1	

* Items with an asterisk are supplied with the equivalent item balloon number.



TA00833 Assy, Control Valve

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
2	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	2	
3	HB-0.250-20X2.75Y8	Bolt, Hex Hd 1/4-20X2-3/4 YZ8	2	
4	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	2	
5	419865A1	Valve, Control	1	

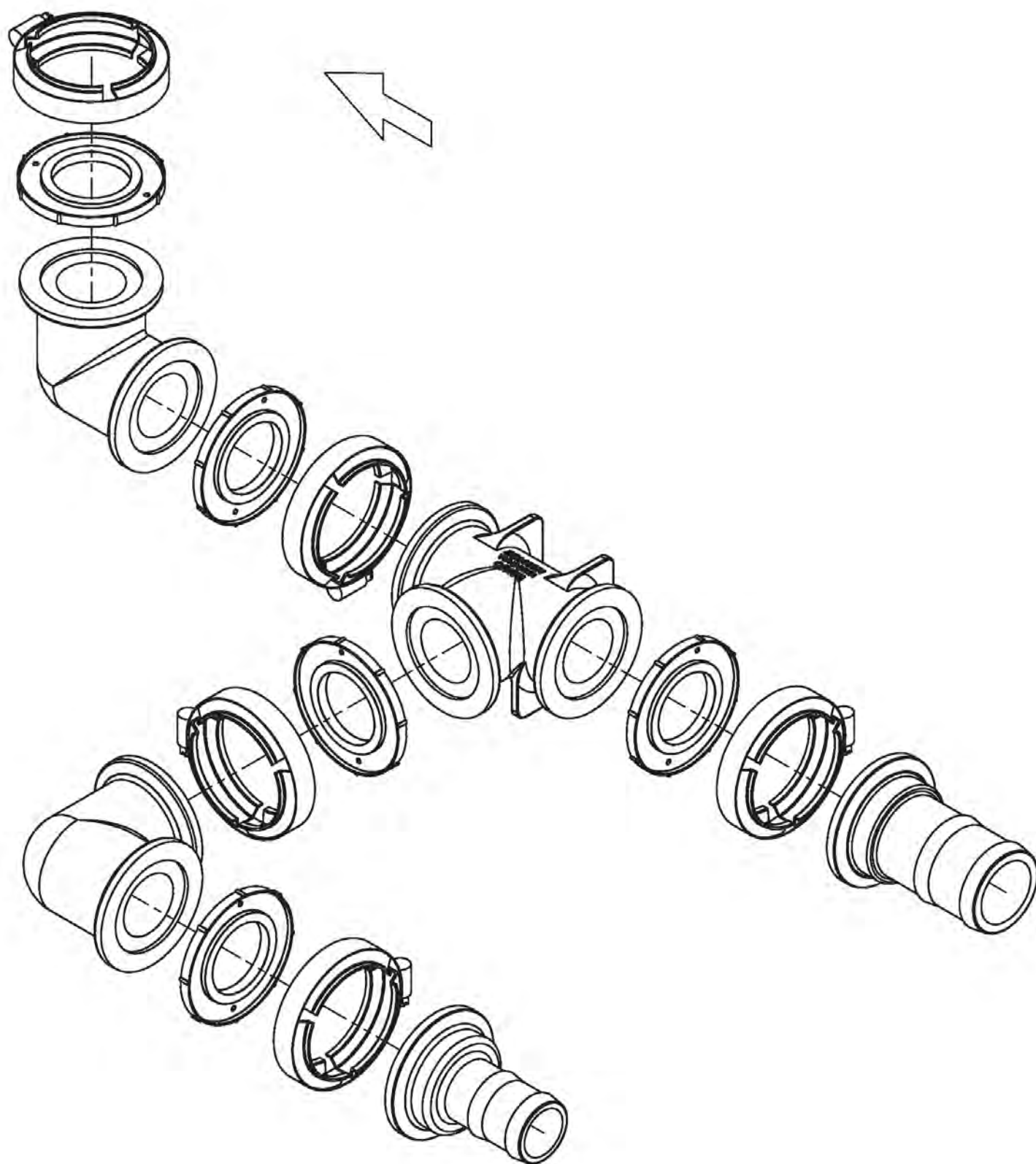


TA00693 Assy, Liquid Fert Mount

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.



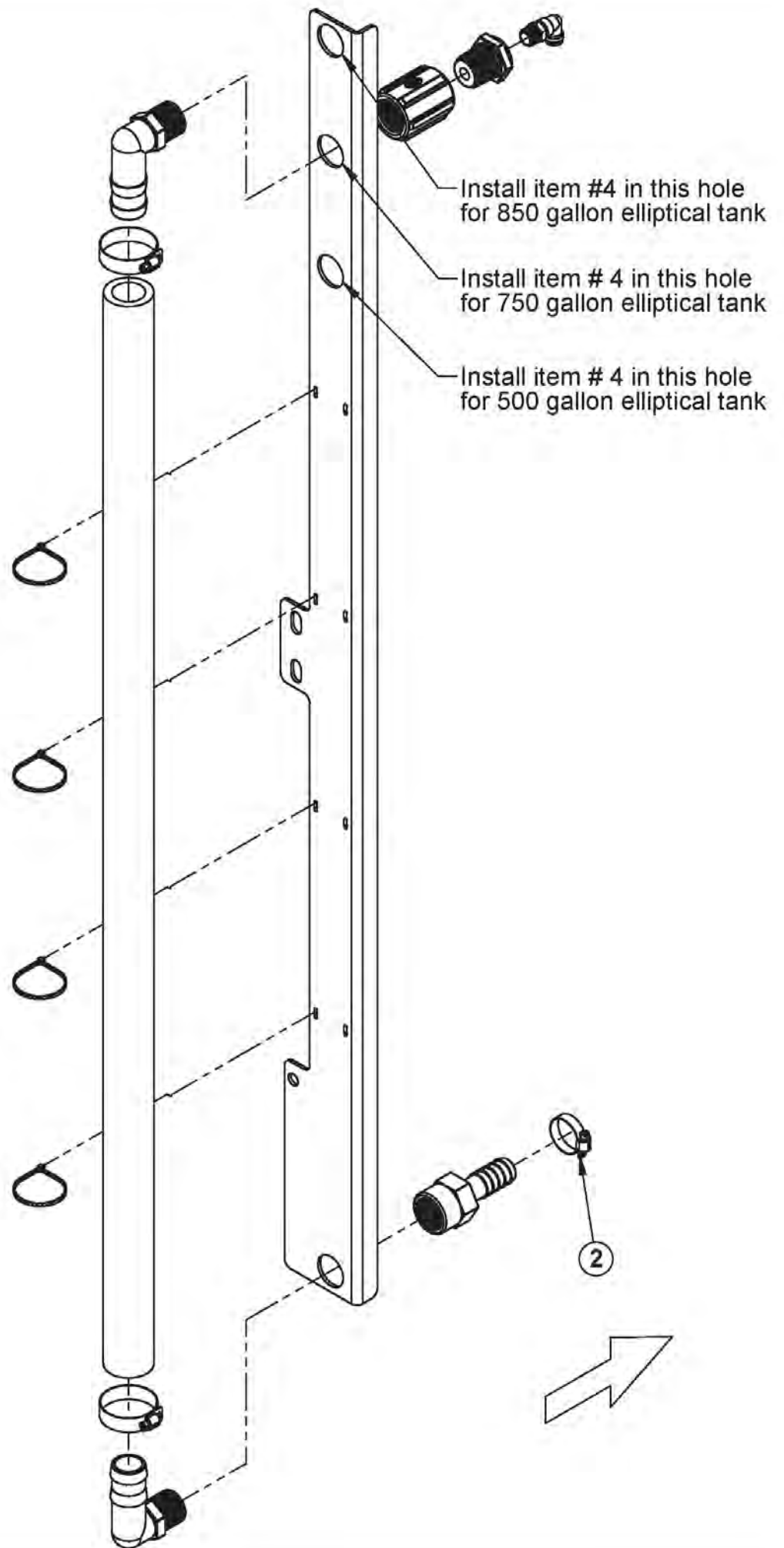
TA01539 Assy, Sump Fill 500 Elliptical

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

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.

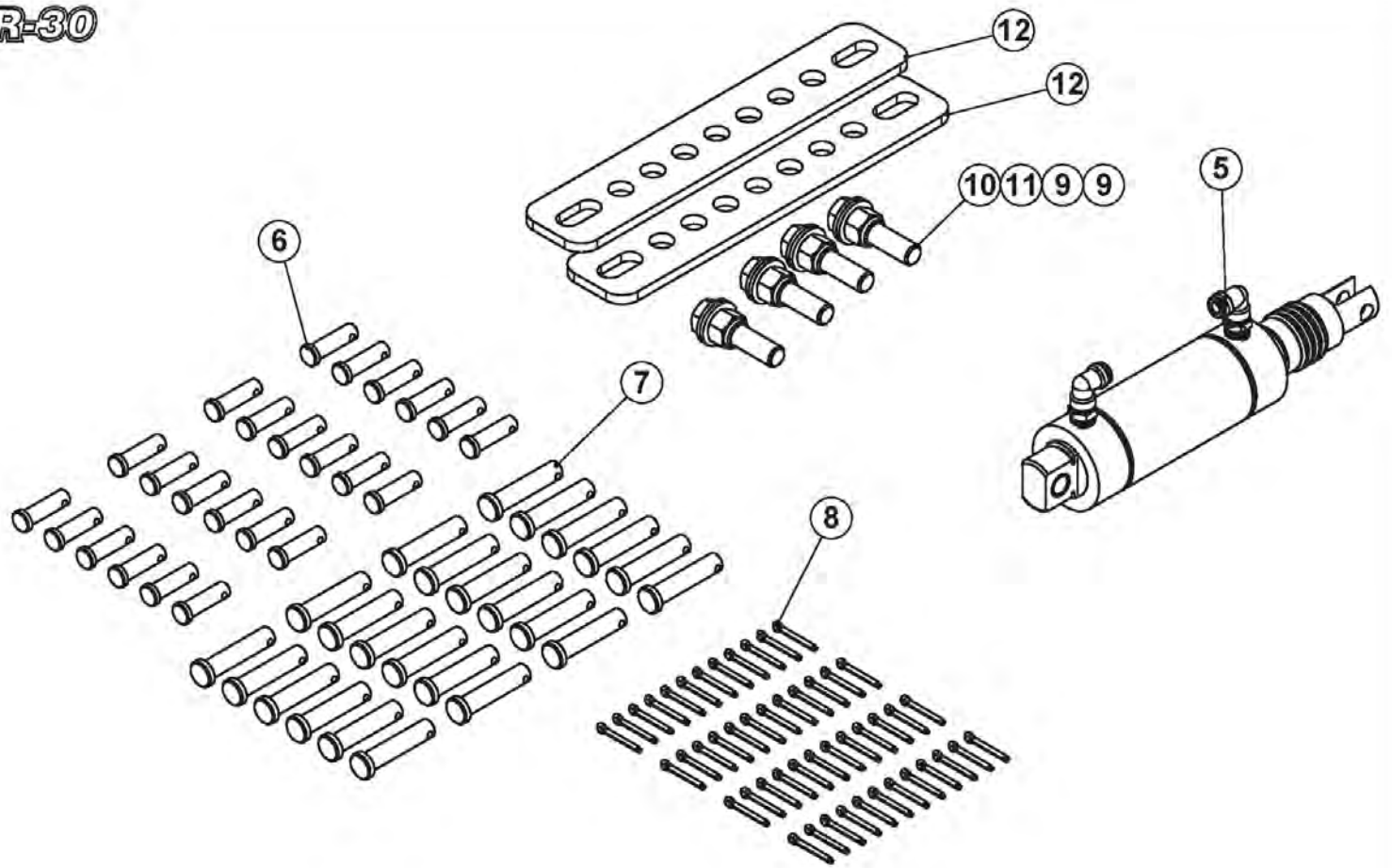
TA01541 Assy, Rear Liq Fert Sight Gauge (850 Gallon Elliptical Tank Option)

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.



TA01788 Kit, 24-Row CleanSweep

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73368363	APEX Power Extension - 15'	1	
2	73368369	Kit, APEX CleanSweep Power Adapter	1	
3	73368387	Control Kit, Non-Airforce	1	
4	73368393	Tubing Kit, 24-Row	1	
5	73368395	CleanSweep Air Cylinder	24	
6	CLPIN-0.375X1.25C	Clevis Pin Ø3/8-1.25CZ	24	
7	CLPIN-0.438X2.00C	Clevis Pin, Ø7/16 X 2	24	
8	CTPIN-0.125X1.00	COTTER PIN, 1/8 X 1, SST	48	
9	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	8	
10	HB-0.500-13X2.00Y8	Bolt, Hex Hd 1/2-13x2 YZ8	4	
11	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	4	
12	T0054513	Plate, Compressor Mounting	2	

Note:

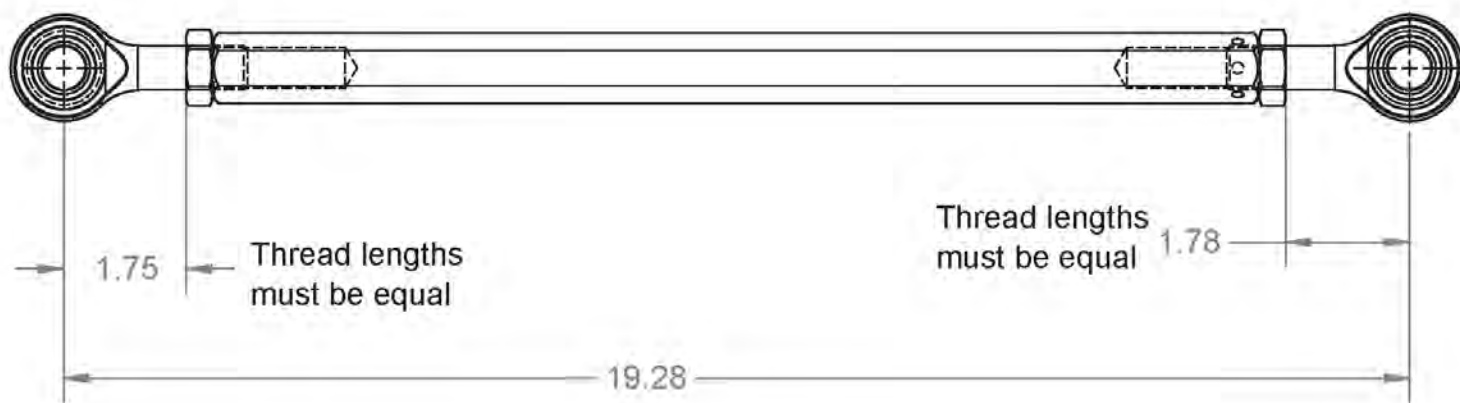
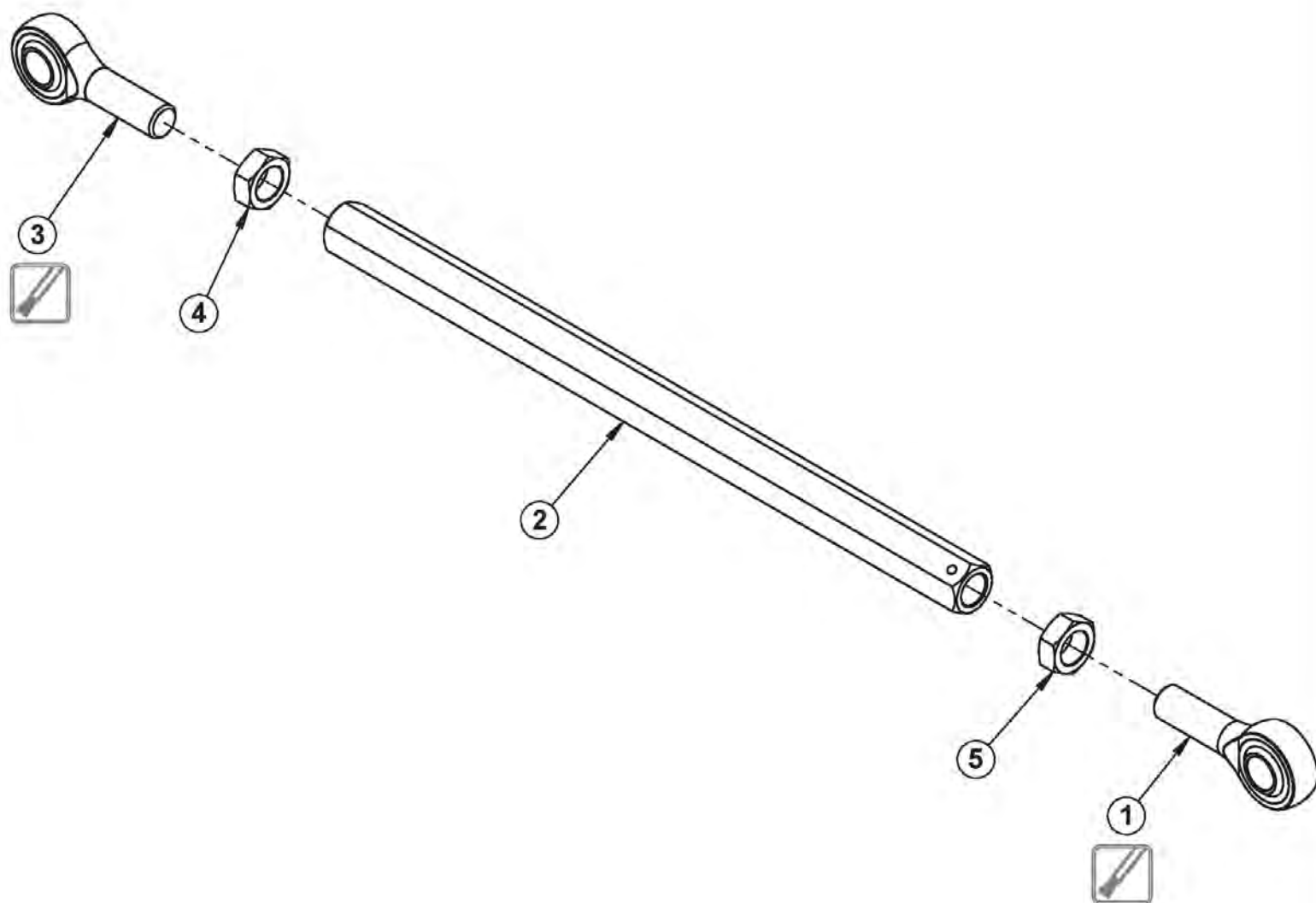
1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

TA01786 Option, 24R22 RU Lift Kit

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CLPIN-0.375X2.00C	Clevis Pin Ø3/8-2.00 CZ	4	
2	CLPIN-0.500X1.50C	Clevis Pin	12	
3	CTPIN-0.125X1.00	COTTER PIN, 1/8 X 1, SST	16	
4	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	24	
5	FW-USS-0.563YTH	Washer, FI 9/16 USS Th-Hrd YZ	20	
6	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	8	
7	HB-0.500-13X2.00Y8	Bolt, Hex Hd 1/2-13x2 YZ8	8	
8	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	4	
9	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	4	
10	HB-0.625-11X9.00Y8	Bolt, Hex Head-5/8-11x9.0-YZ8	2	
11	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	8	
12	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	8	
13	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	10	
14	PB-1.250X1.38X1.25	Bush, Polygon 1.25x1.375x1.25	4	
15	T0050854	Anti Rotation Insert	4	
16	T0054763	Link, RU Lift	8	
17	T0054764	Link, RU Lift	4	
18	T0054765	Brckt, Lift Pin	4	
19	TA01108	Tie Rod Assy	4	
20	TW001106	Pin Weldment	4	
21	TW001207	Wldmt, Rear Arm Lock	2	
22	TW001334	Wldmt, RUL Bracket	2	
23	TW001385	Wldmt, LH 24R22 RUL Arm	2	
24	TW001386	Wldmt, RH 24R22 RUL Arm	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.

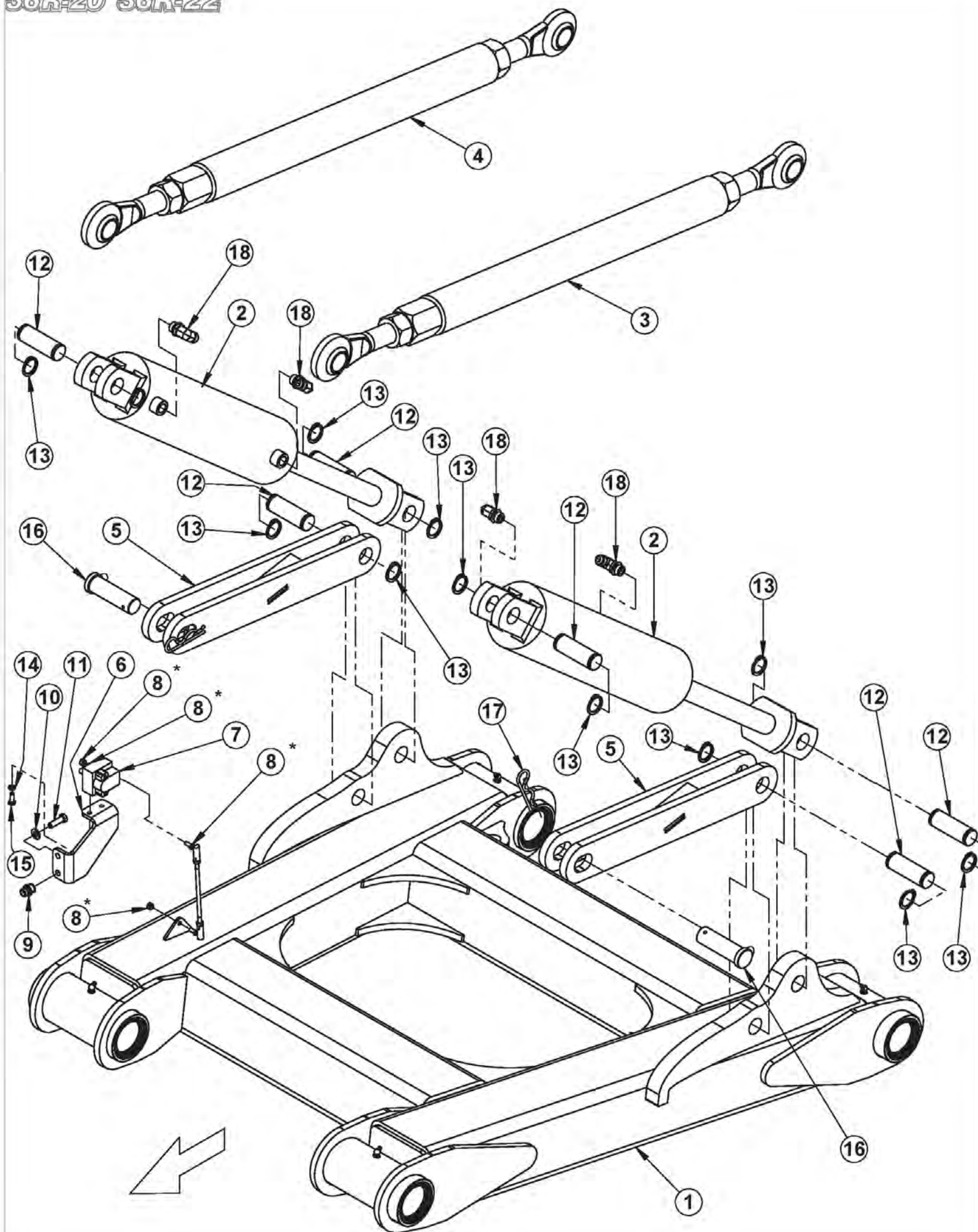


TA01108 Tie Rod Assy

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	JNUT-0.625-18Y8	Nut, Jam-5/8-18-YZ8	1	
2	JNUT-0.625-18Y8LH	Nut, Jam-5/8-18-YZ8LH	1	
3	T0054050	Turn Buckle	1	
4	TA01106	Rod End RH	1	
5	TA01107	Rod End LH	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-sieze on threads before assembly.

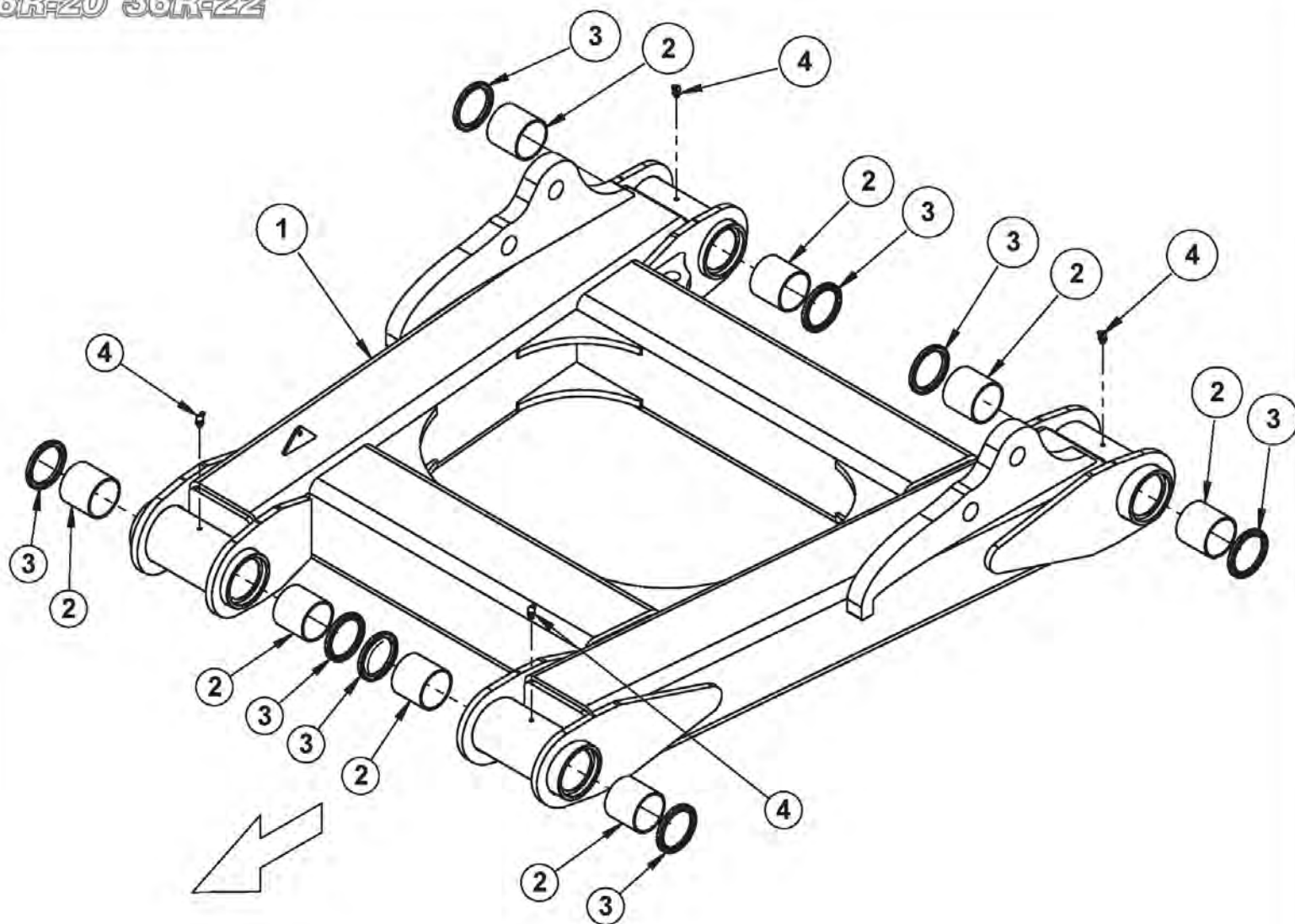


TA01206 Assy, Complete Lift

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

Note:

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

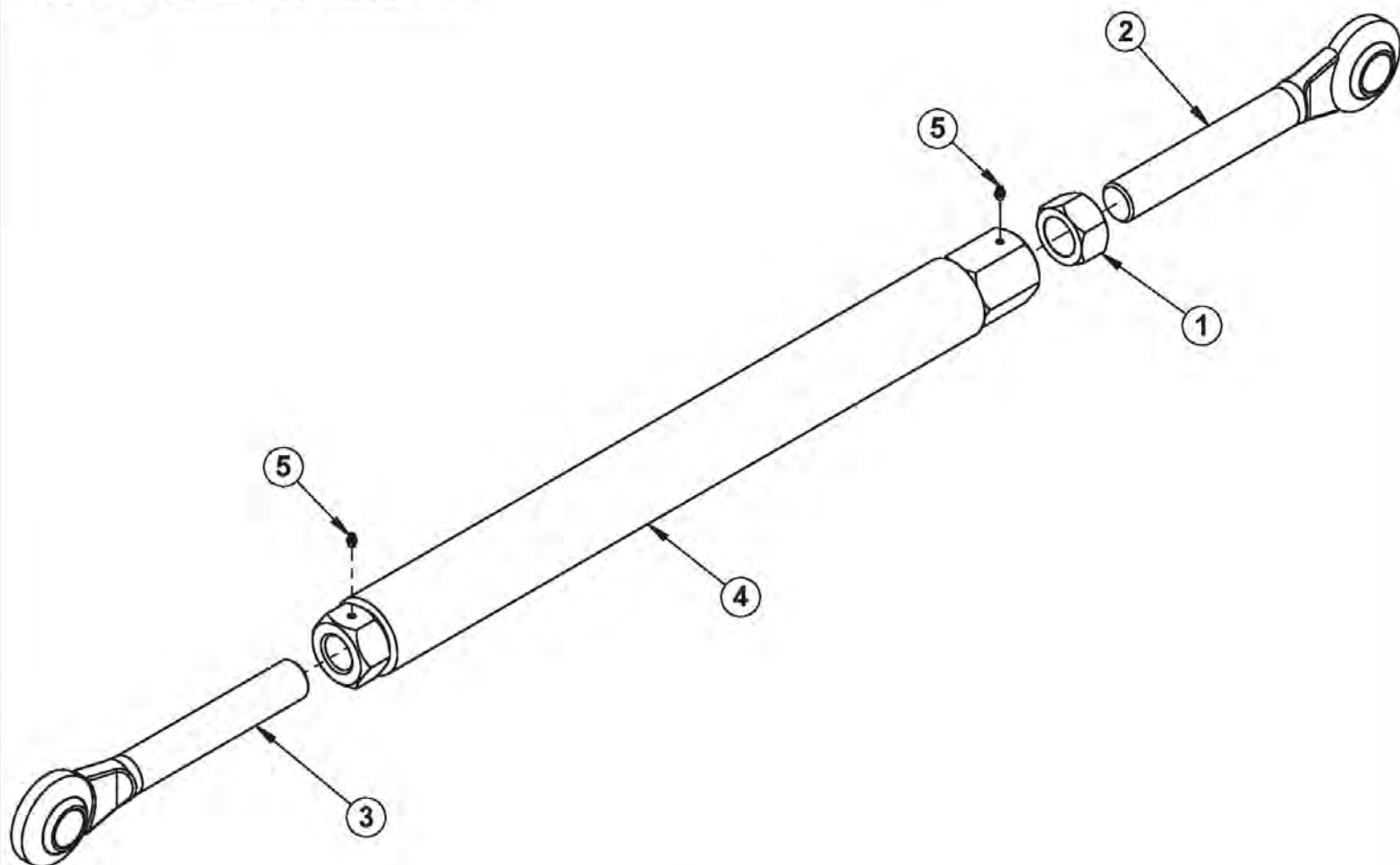


TA01214 Assy, Main Lift

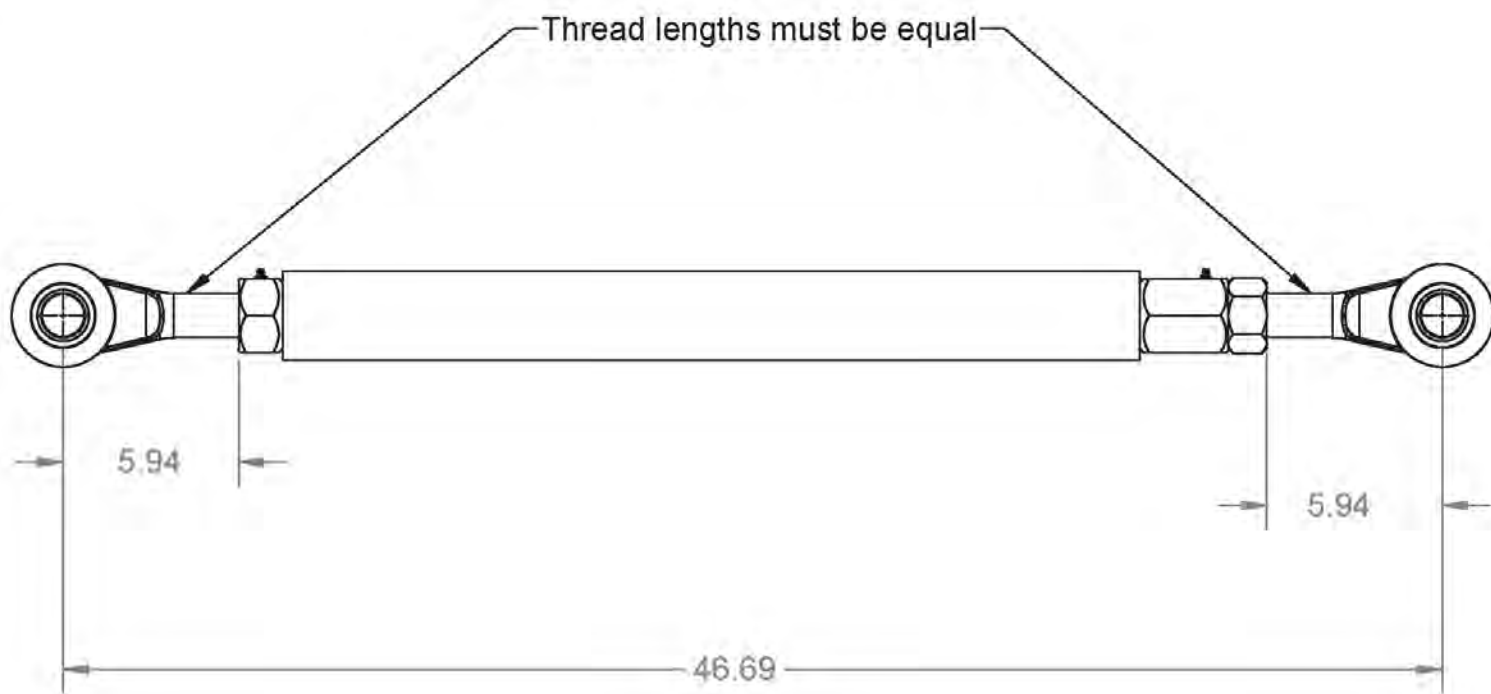
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001130	Wldmt, Main Lift	1	
2	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	8	
3	T0051584	2.50 Grease Seal	8	
4	ZERK-0.250-28X45	Zerk-1/4-28x45Deg	4	

Note:

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

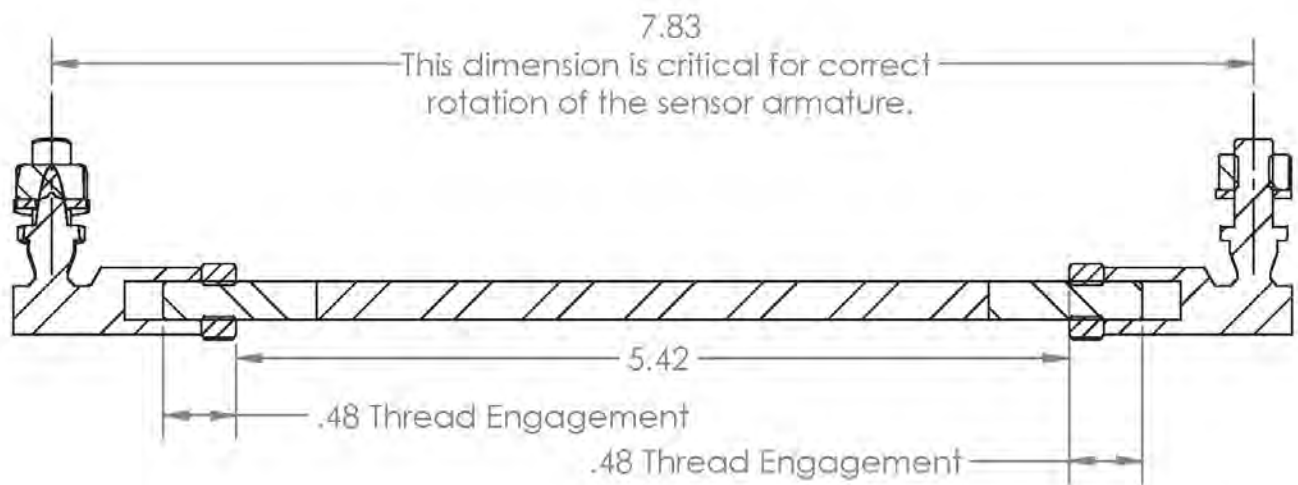
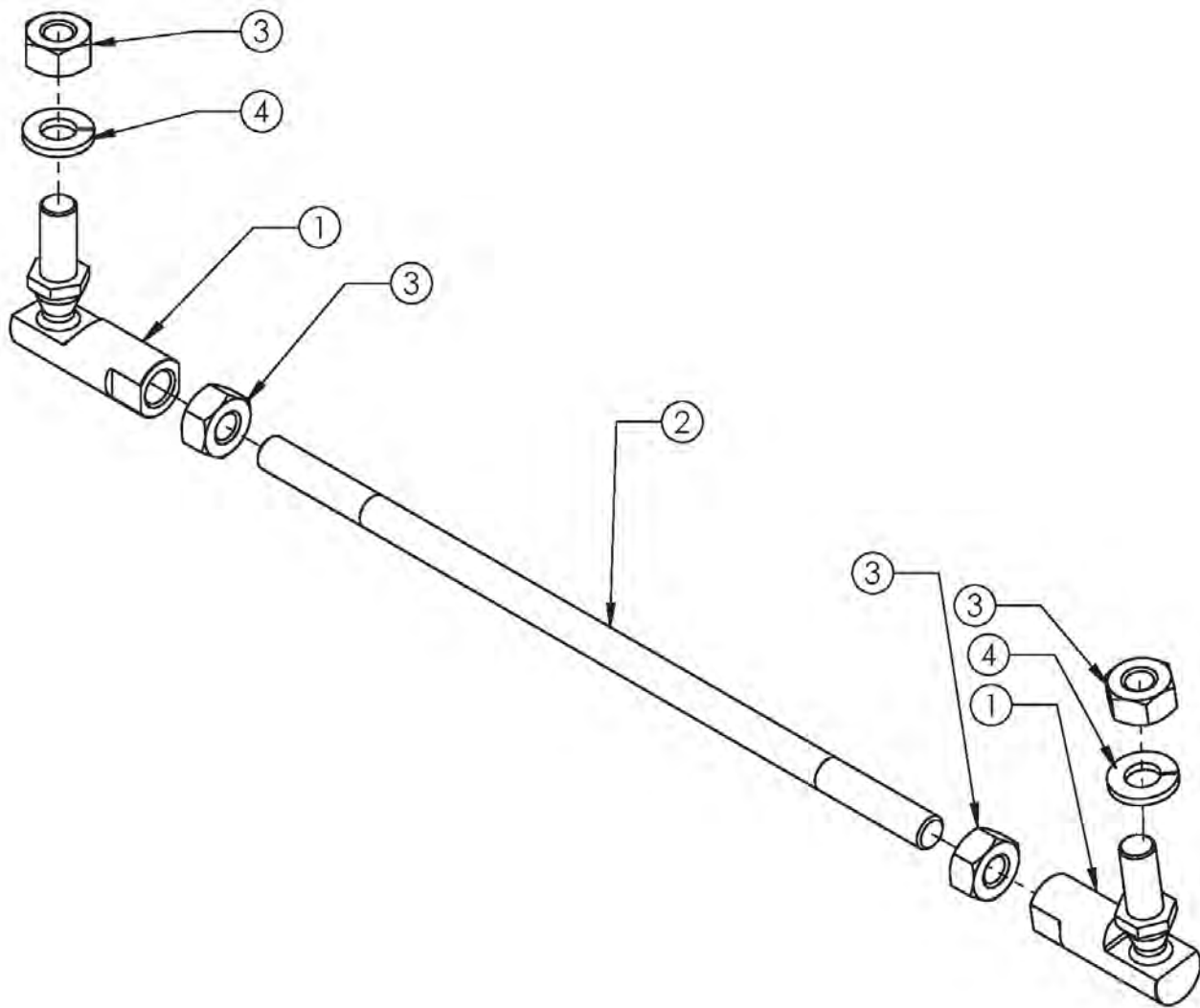


Thread lengths must be equal



TA00613 Upper Link Assy

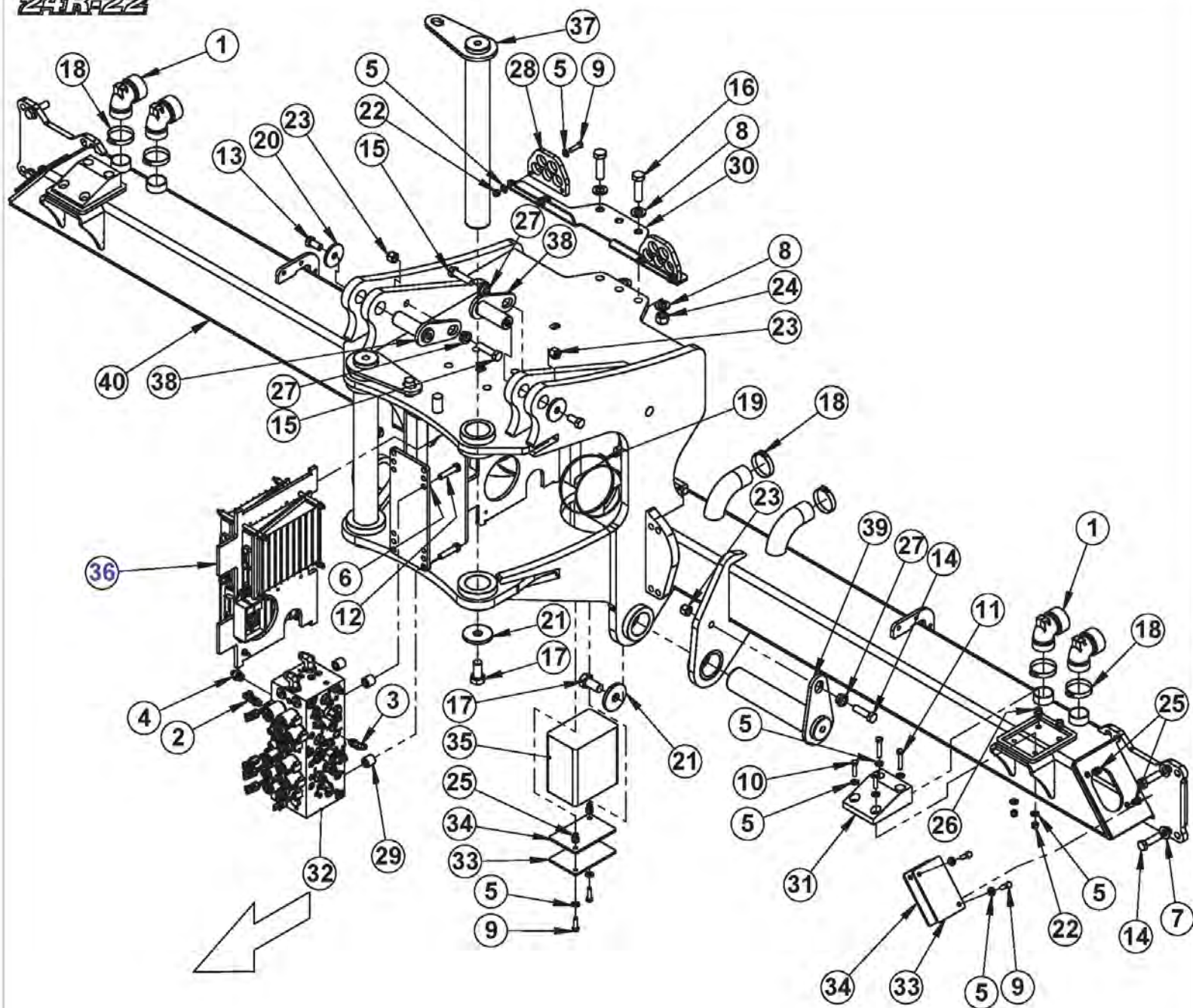
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HNUT-1.500-6Y8	Nut, Hex 1-1/2-6 YZ8	1	
2	T0051213	RH End Link	1	
3	T0051214	LH End Link	1	
4	TW000618	Upper Link Weldment	1	
5	ZERK-0.250-28	Zerk, 1/4-28	2	



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	

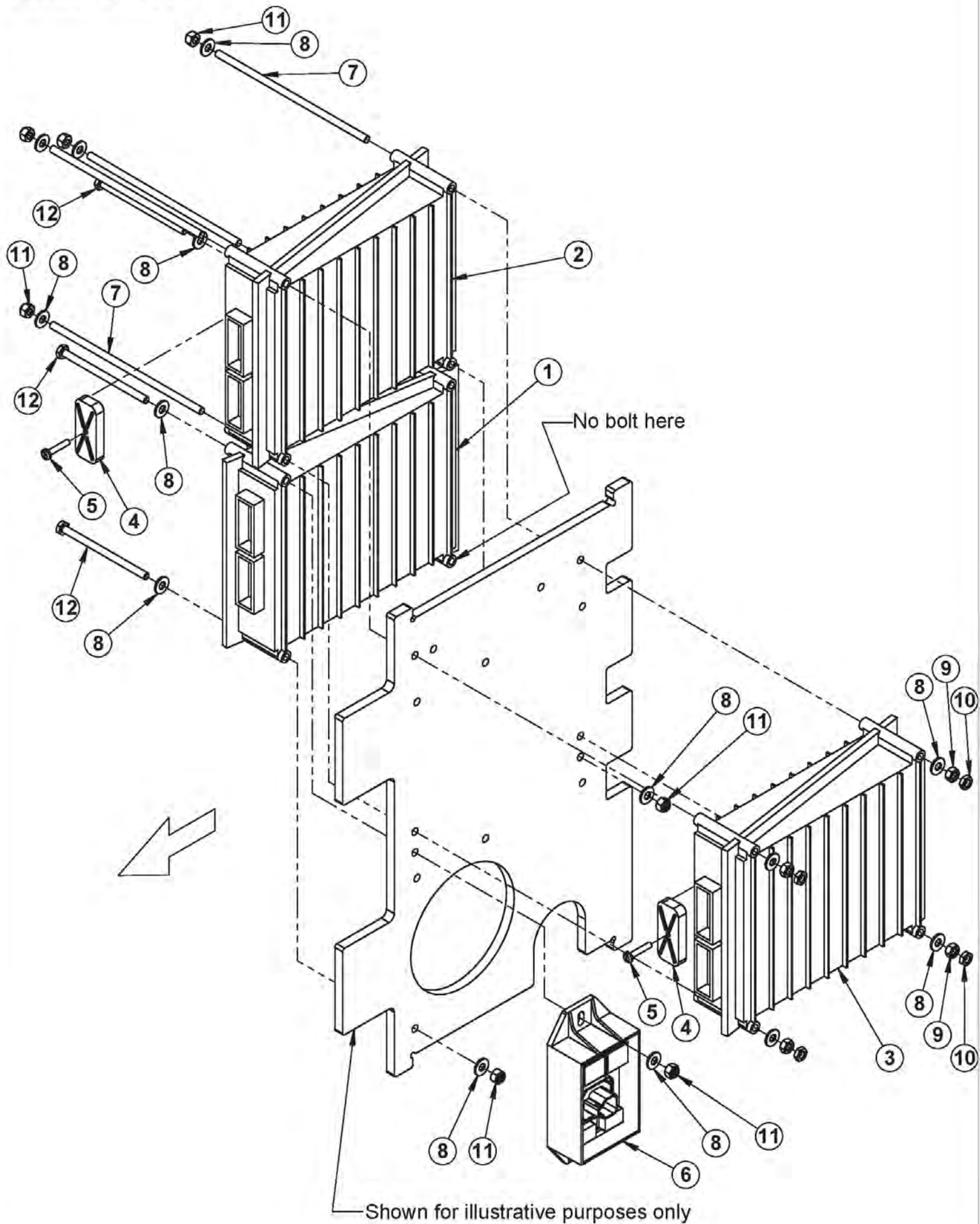


TA01599 Assy, 24R22 Base Center Bar

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	84416530	Elbow, Vacuum	4	
2	AD-06MJ-06MB-06MJ	AD-06MJ-06MB-06MJ	1	
3	AD-06MJ-06MB-90	ADAPTER 06MJ-06MB 90	1	
4	AD-06MJ-08MB	ADAPTER 06MJ-08MB	1	
5	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	26	
6	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
7	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
8	FW-SAE-0.750Y	Washer, Flat-SAE 3/4 YZ	4	
9	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	10	
10	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	4	
11	HB-0.375-16X2.00Y8	Bolt, Hex Hd 3/8-16x2-YZ8	4	
12	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	4	
13	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
14	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	6	
15	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	2	
16	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4-YZ8	2	
17	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	4	
18	HCLMP-SAE-32SS	HClamp-SAE-32-SS	8	
19	HCLMP-SAE-612SS	HClamp-SAE-612-SS	2	
20	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	
21	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00	4	
22	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	8	
23	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	4	
24	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	2	
25	RN-0.375-16-.15-.31Y	Rivnut, 3/8-16 .150-.312 YZ	6	
26	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	4	
27	T0050854	Anti Rotation Insert	4	
28	T0052450	Guide, Hose Seed Tube Cen Fr	2	
29	T0052525	Spacer, L&F Valve	4	
30	T0054208	Brkt, Seed Hose Mtg	1	
31	T0054271	Slider Block	2	
32	T0054378	Valve Assy, Lift & Fold	1	
33	T0054651	Clean Out Cover	3	
34	T0054652	Seal, Clean Out Cover	3	
35	T0054653	Foam Block	1	
36	TA01216	Assy, ECU	1	
37	TW001008	Pin Weldment	2	
38	TW001009	Pin Weldment	2	
39	TW001012	Pin Weldment	2	
40	TW001275	Wdmt, 24R22 Center Bar	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.

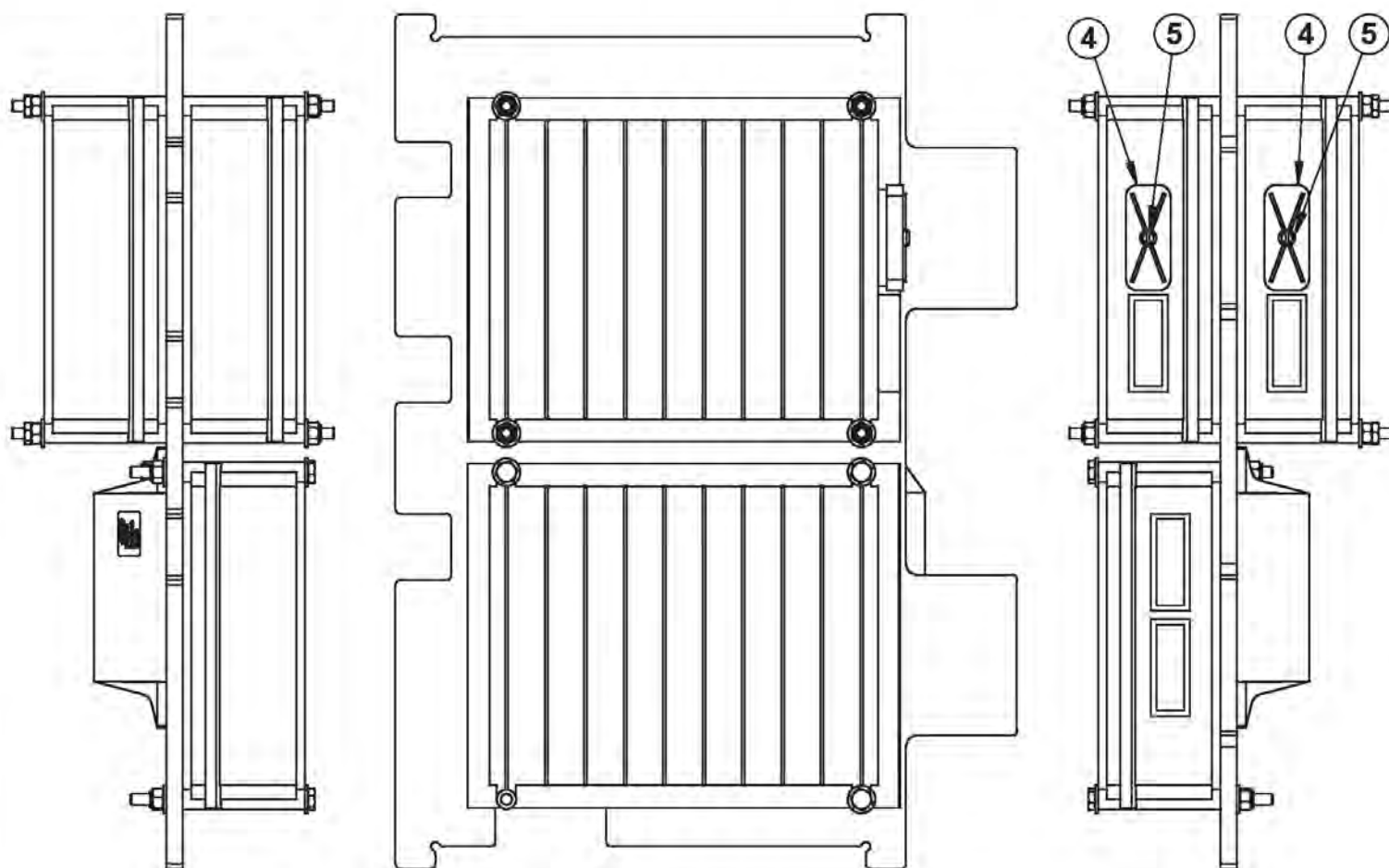


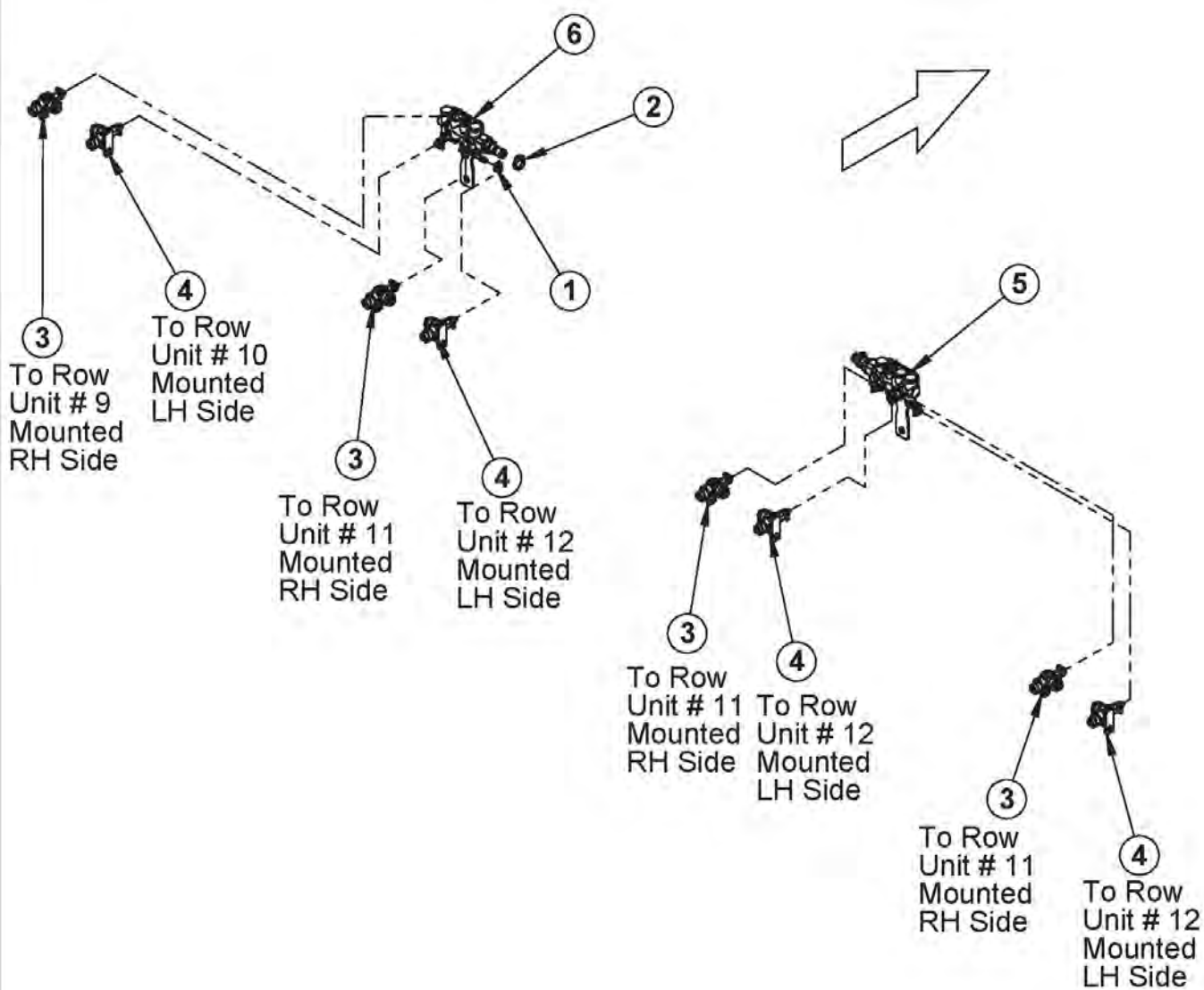
TA01216 Assy, ECU

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	84485907	MODULE, RATE, DUAL CAN, IB	1	
2	87588172	MODULE, FRM,IB	1	
3	87588172	MODULE, FRM,IB	1	
4	425269A1	Dust Cap 30-Pin	2	
5	470-11016	SL-PHMS #10-24x1.000-YZ	2	
6	86561136	Module, Impl Lighting Control	1	
7	T0054644	Rod, Thrd 1/4-20UNC X 7.25	4	
8	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	14	
9	HNUT-0.250-20Y8	Nut, Hex 1/4-20 YZ8	4	
10	JNUT-0.250-20Y8	Nut, Jam 1/4-20-YZ8	4	
11	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	7	
12	HB-0.250-20X4.00Y8	Bolt, Hex Hd-1/4-20x4-YZ8	3	

Note:

1. Item's 7, 8, 9, & 10 Harnesses are not included in this isometric representation for the assembly.



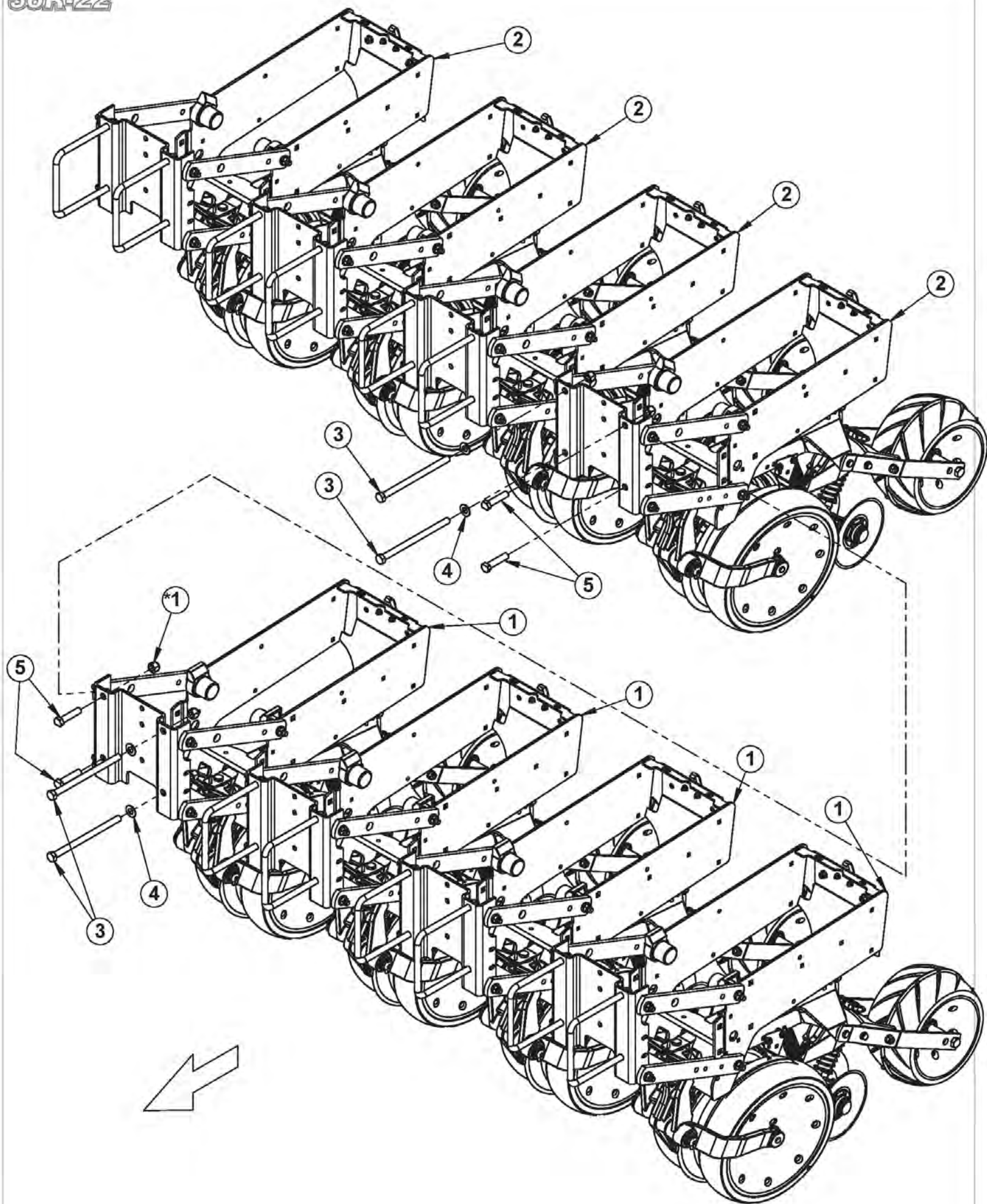


TA01855 Assy, 24R22 Center Bar Fert

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-06SS	Hose Clamp, SAE #6-SS	8	
2	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	4	
3	TA01633	Assy, RH Fert Check Valve	4	
4	TA01634	Assy, LH Fert Check Valve	4	
5	TA01703	Assy, Fert Center Bar RH 24R20	1	
6	TA01704	Assy, Fert Center Bar LH 24R20	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.

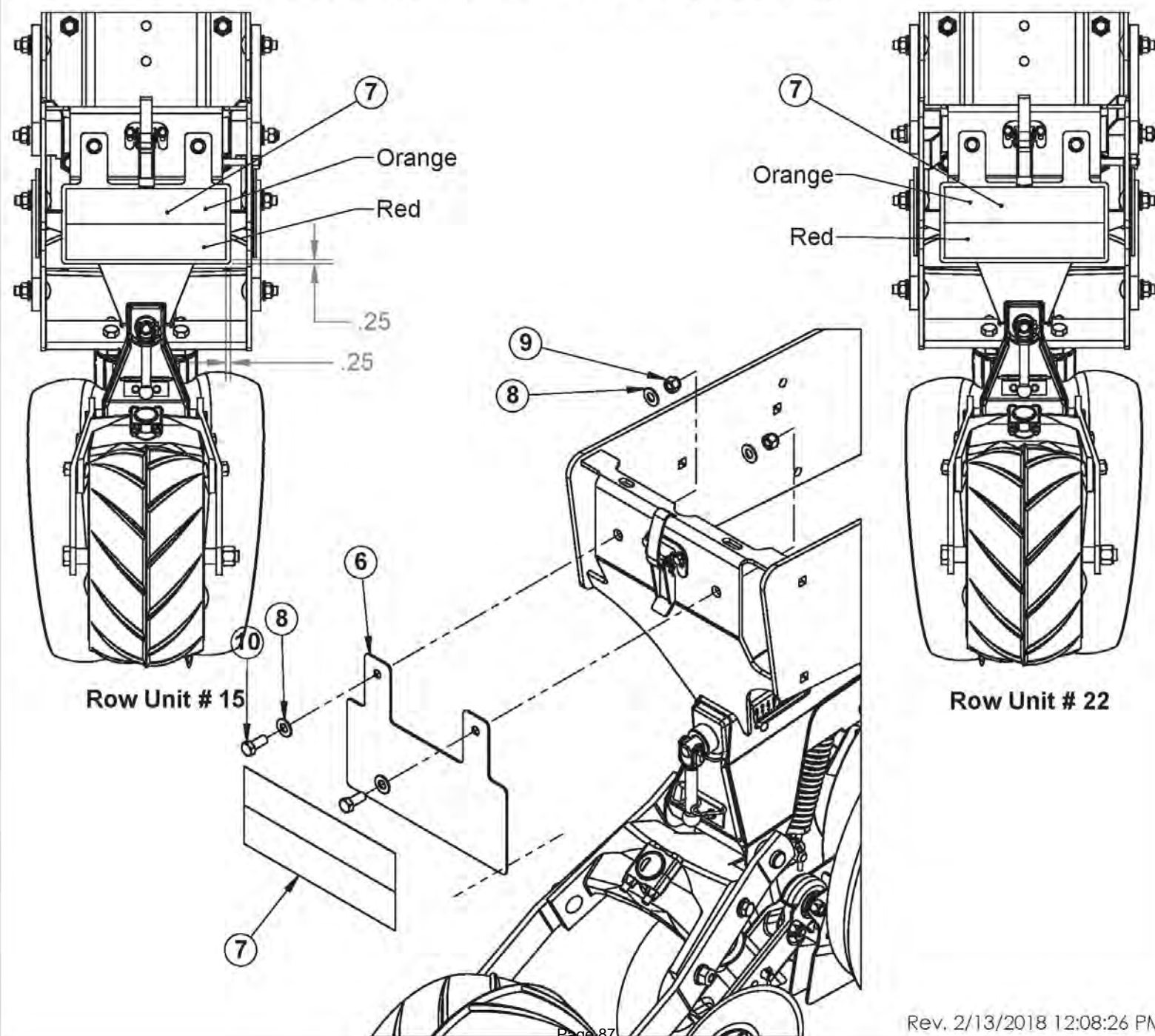


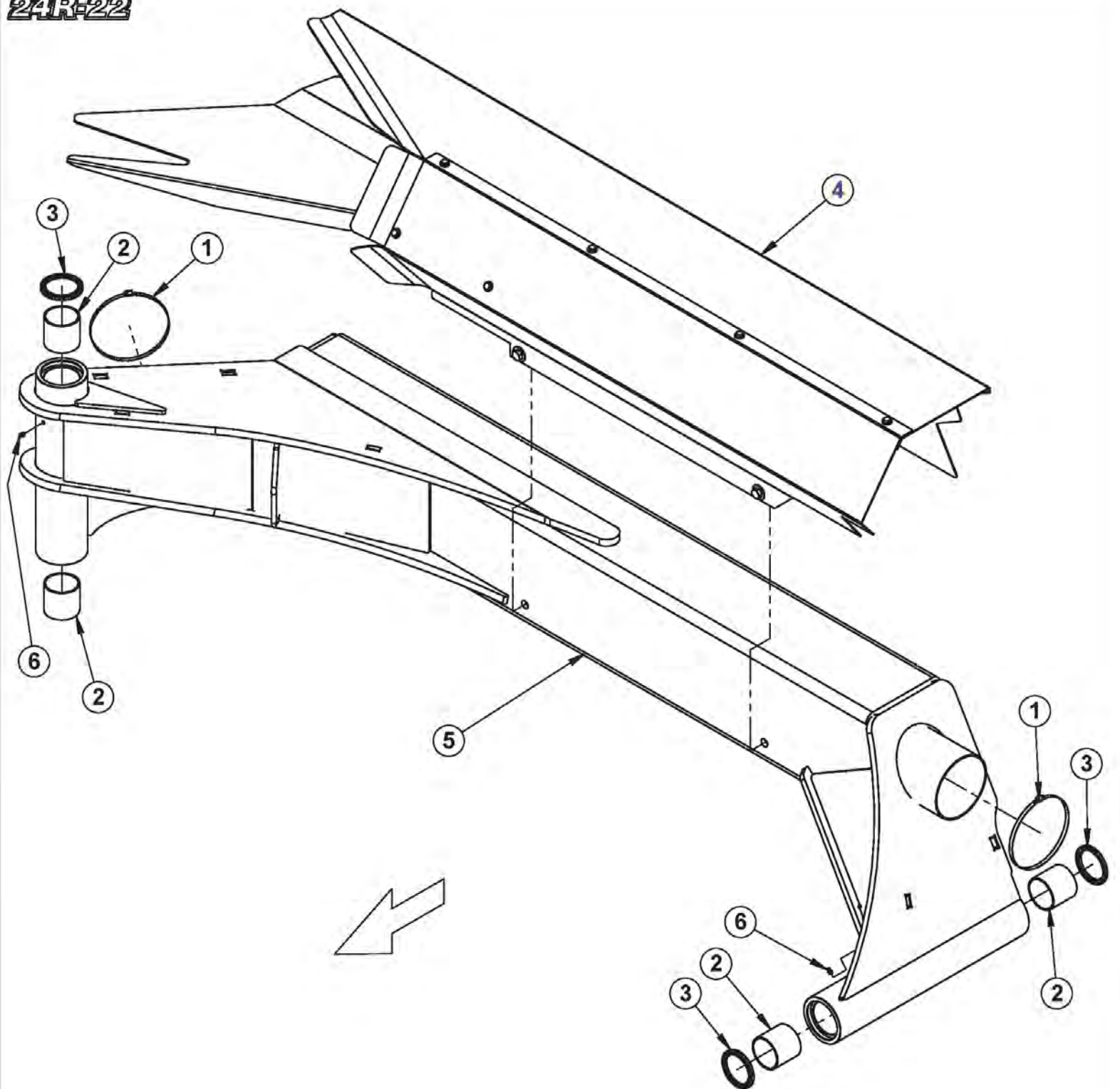
TA01147 Assy, 36R22 CB PR STD GW Row Units

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47876037	LH PR STD GW Row Unit	4	
2	47876038	RH PR STD GW Row Unit	4	
3	HB-0.625-11X9.50Y8	Bolt, Hex Head-5/8-11x9.50-YZ8	4	
4	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
5	TB-0.625-11X2.75Y8	TBolt-5/8-11x2.75-YZ8	4	
6	T0051736	Brckt, Rear Row Unit Reflector	2	
7	T0051727	Decal, Refl Red,Orange-2x18	2	
8	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	8	
9	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
10	HB-0.375-16X0.88Y8	Bolt, Hex Hd 3/8-16x7/8-YZ8	4	

Note:

1. $\square = XXX$ = Torque, and is expressed in ft-lbs.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.



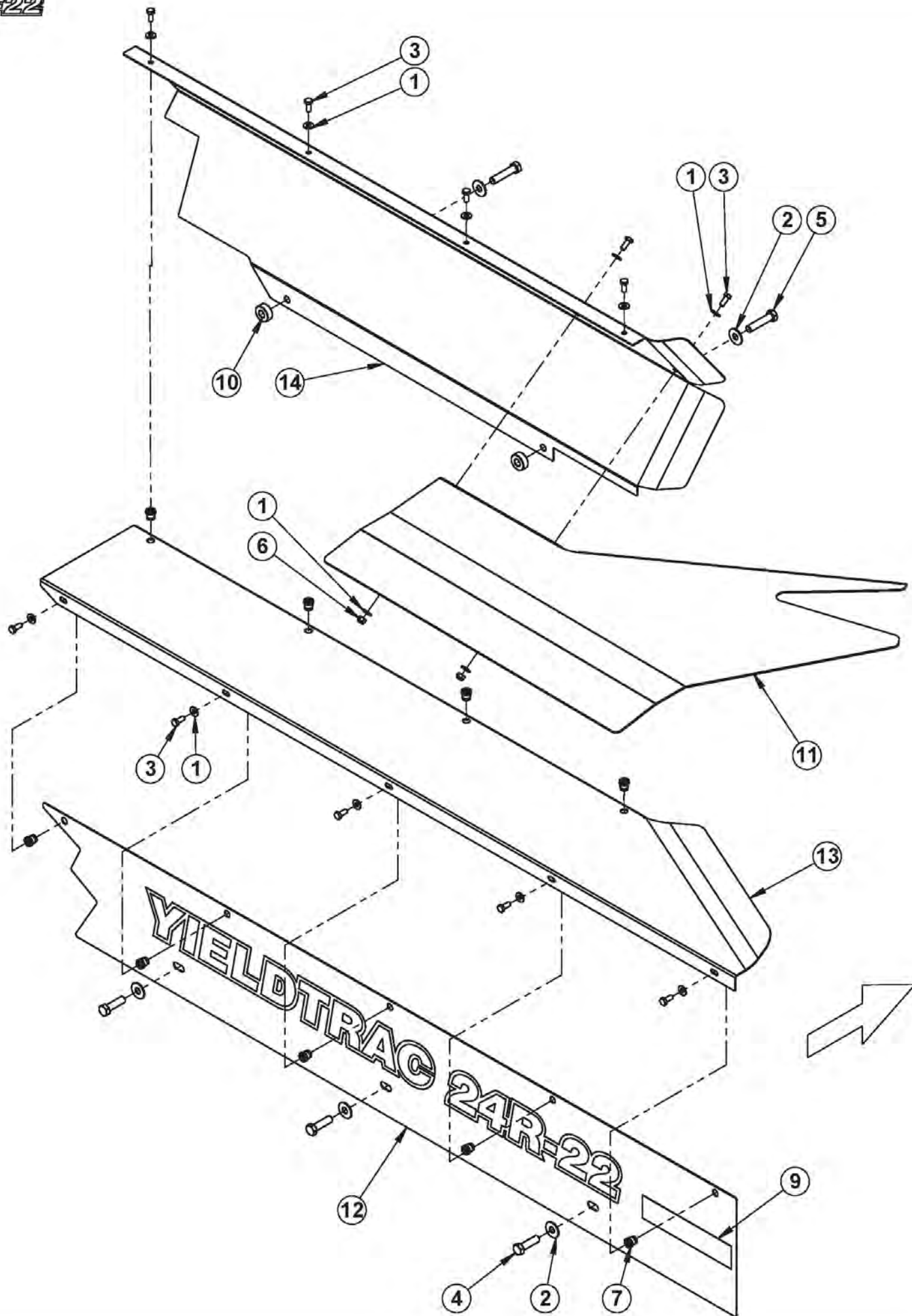


TA01603 Assy, 24R22 LH Stub Arm

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-612SS	HClamp-SAE-612-SS	2	
2	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	4	
3	T0051584	2.50 Grease Seal	3	
4	TA01601	Assy, 24R22 LH Stub Arm Shield	1	
5	TW001276	Wldmt, 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).
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

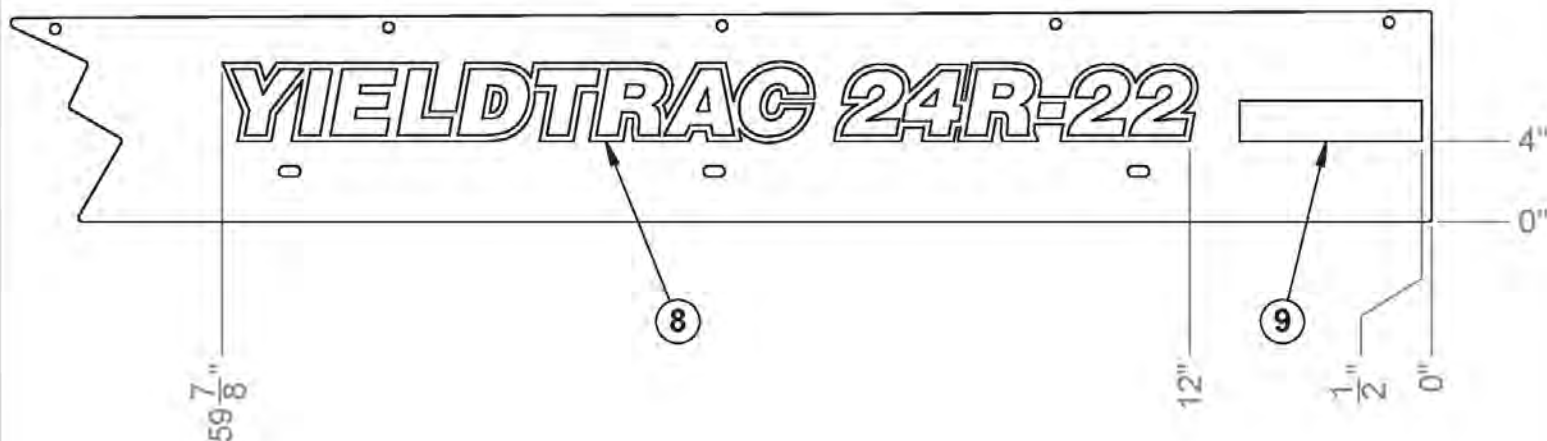


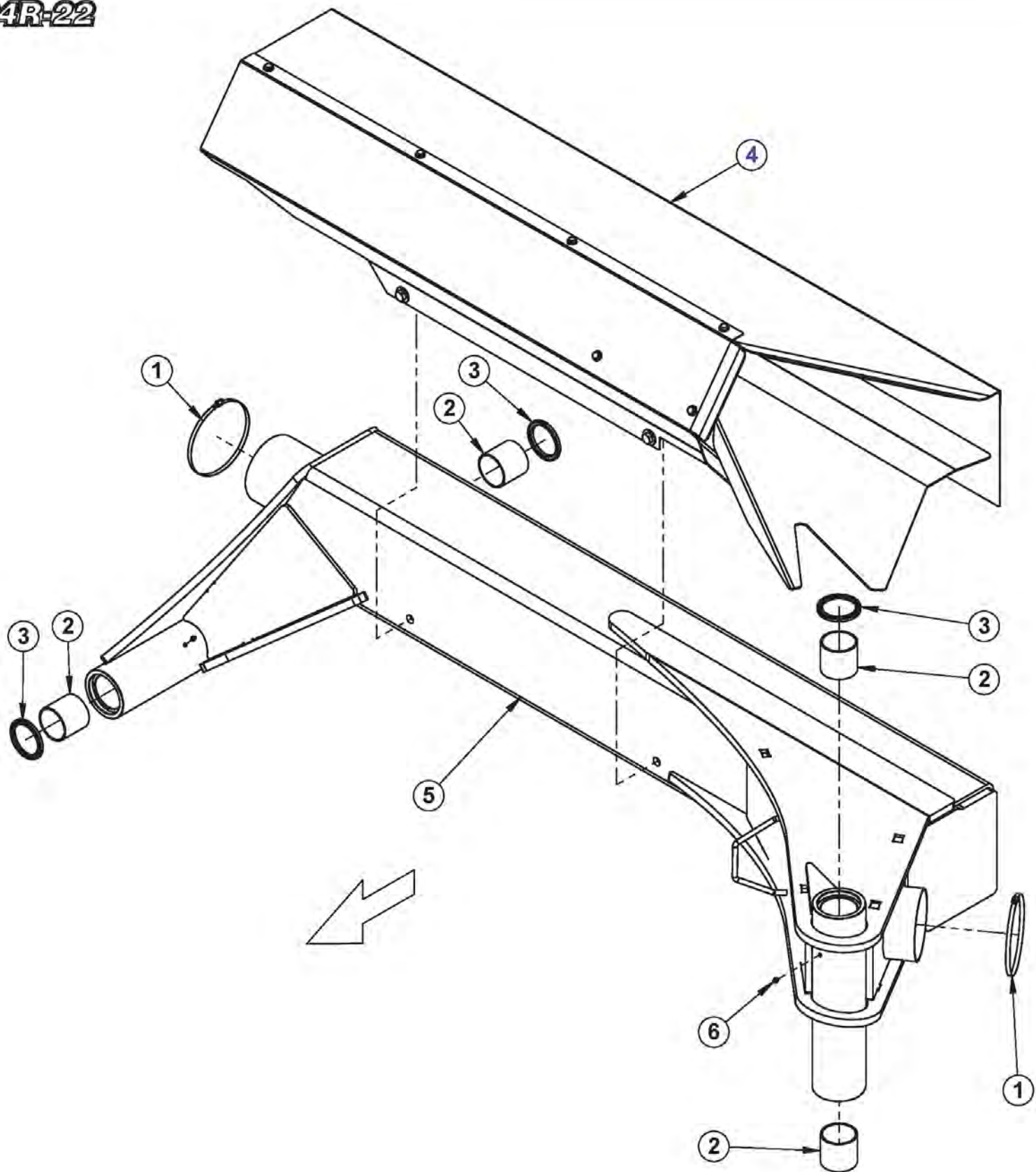
TA01601 Assy, 24R22 LH Stub Arm Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-USS-0.250Y	Washer, Flat USS 1/4" YZ	13	
2	FW-USS-0.438Y	Washer, Flat-USS 7/16-YZ	5	
3	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4-YZ8	11	
4	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	3	
5	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	2	
6	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
7	RN-0.313-18-.03-.15Y	Rivnut, 5/16-18 UNC .027-.150	9	
8	T0051453	Decal, Yldtrac 24R-22-3.8x48.2	1	
9	T0051729	Decal, Reflector, Yellow-2x9	1	
10	T0052276	Spacer	2	
11	T0054825	Shelf, LH Seed Hose	1	
12	T0055238	Panel, 24R22 Stub Arm Back	1	
13	T0055239	Cover, LH 24R22 Stub Arm Top	1	
14	T0055241	Shield, LH 24R22 Stub Arm	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.



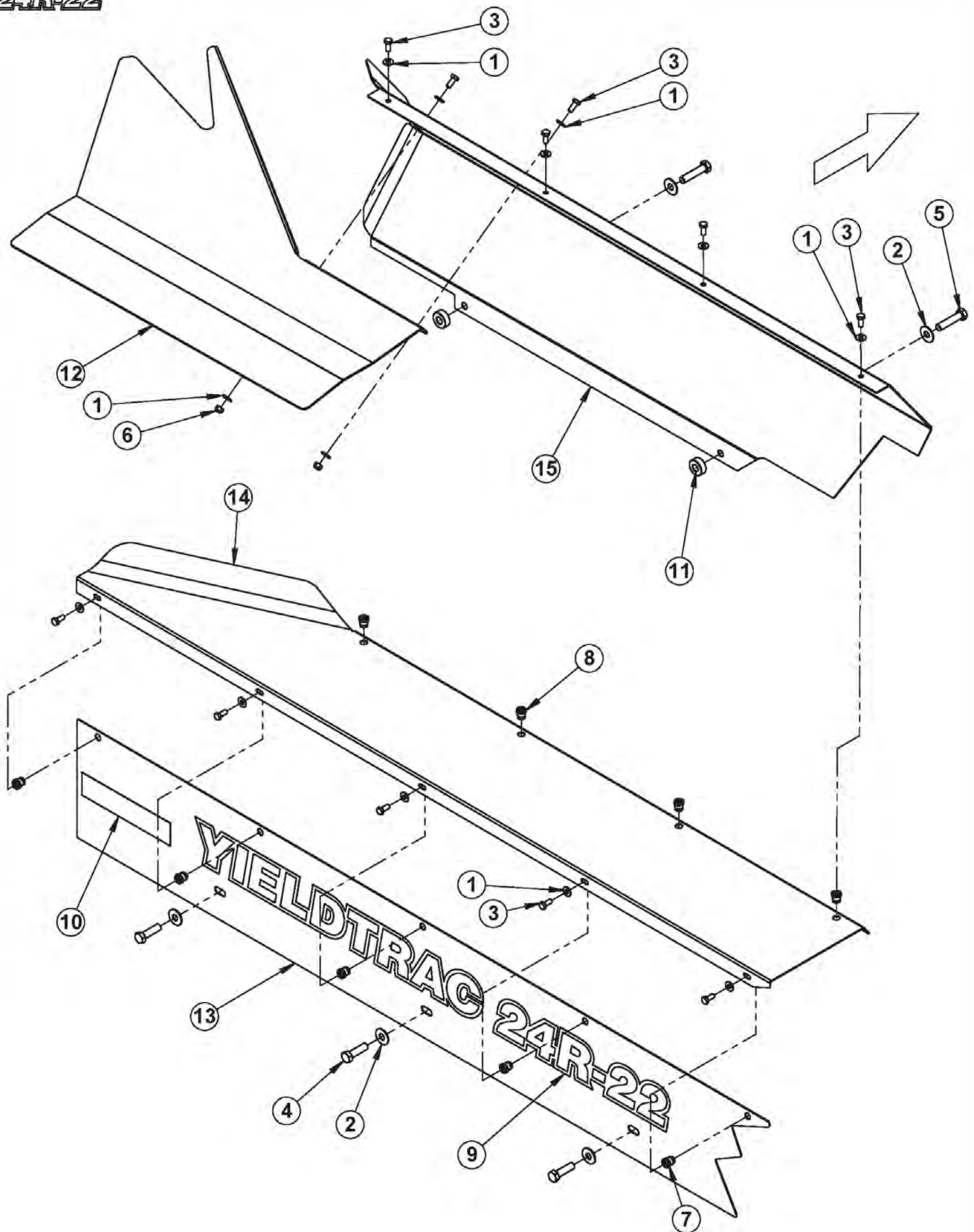


TA01604 Assy, 24R22 RH Stub Arm

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-612SS	HClamp-SAE-612-SS	2	
2	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	4	
3	T0051584	2.50 Grease Seal	3	
4	TA01602	Assy, 24R22 RH Stub Arm Shield	1	
5	TW001277	Wldmt, 24R22 RH 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).
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

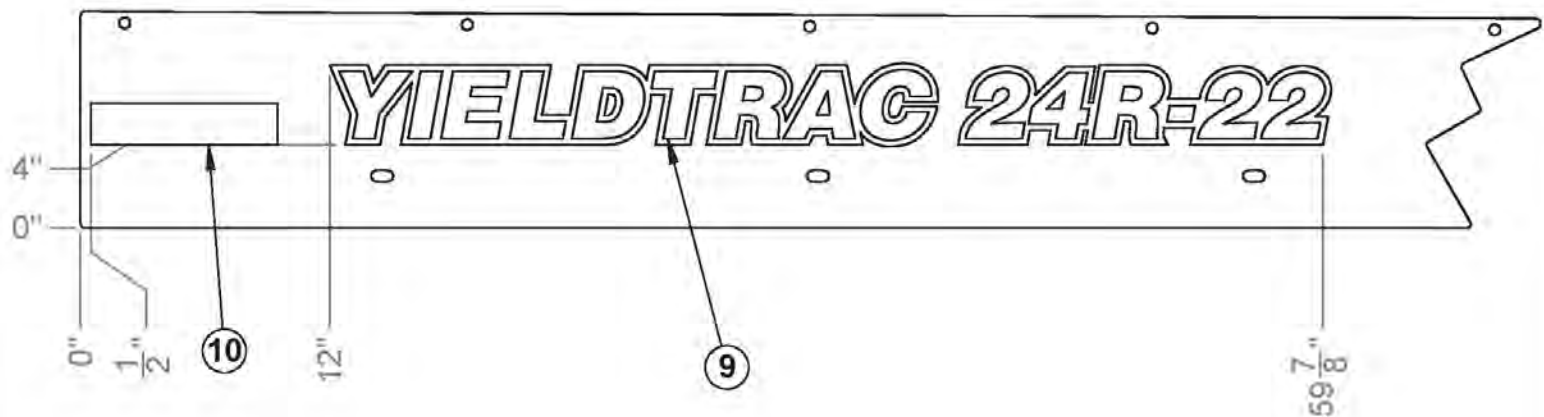


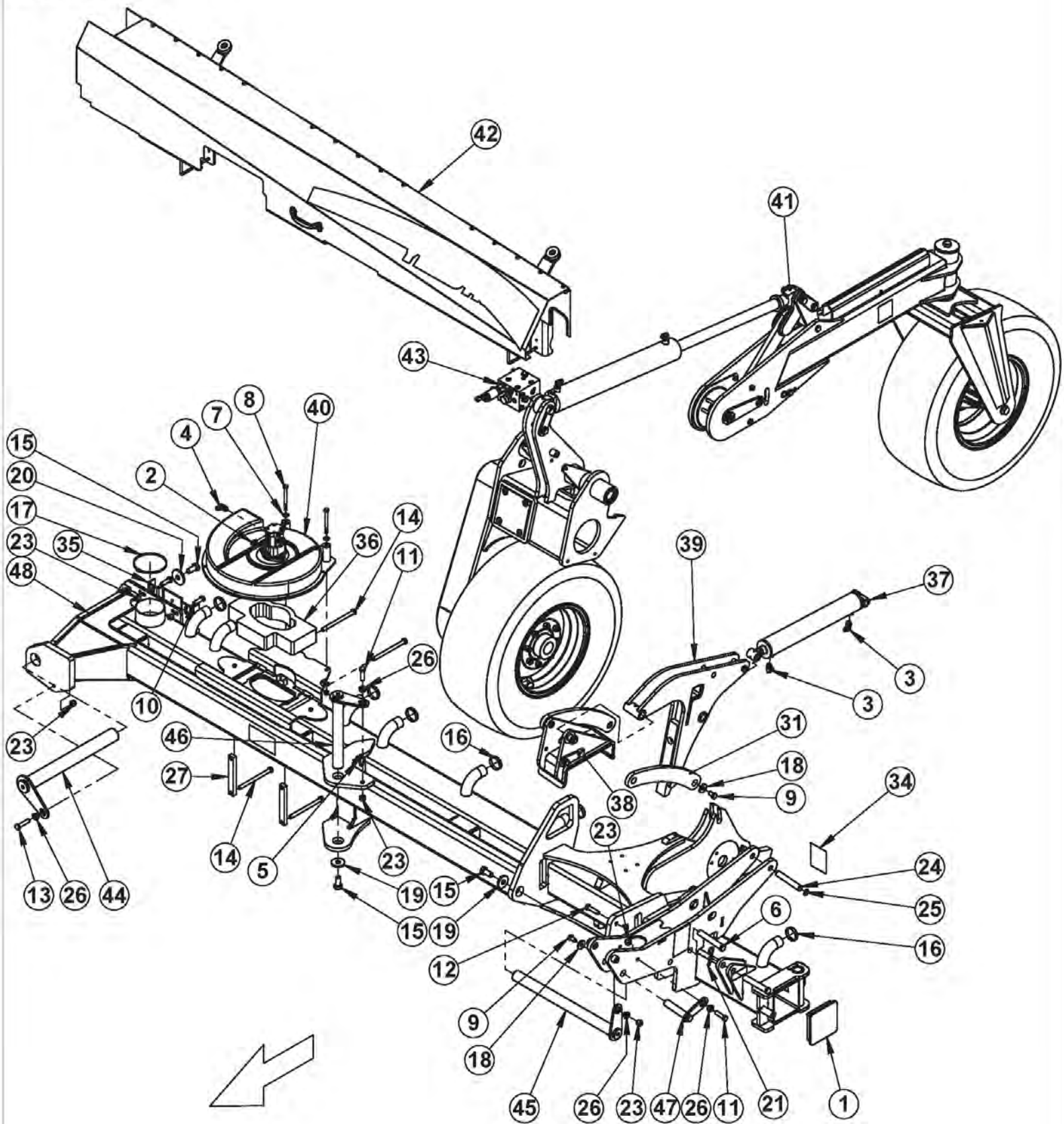
TA01602 Assy, 24R22 RH Stub Arm Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-USS-0.250Y	Washer, Flat USS 1/4" YZ	13	
2	FW-USS-0.438Y	Washer, Flat-USS 7/16-YZ	5	
3	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4-YZ8	11	
4	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	3	
5	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	2	
6	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
7	RN-0.313-18-.03-.15Y	Rivnut, 5/16-18 UNC .027-.150	5	
8	RN-0.313-18-.03-.15Y	Rivnut, 5/16-18 UNC .027-.150	4	
9	T0051453	Decal, Yldtrac 24R-22-3.8x48.2	1	
10	T0051729	Decal, Reflector, Yellow-2x9	1	
11	T0052276	Spacer	2	
12	T0054826	Shelf, RH Seed Hose	1	
13	T0055238	Panel, 24R22 Stub Arm Back	1	
14	T0055240	Cover, RH 24R22 Stub Arm	1	
15	T0055242	Shield, RH 24R22 Stub Arm	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.



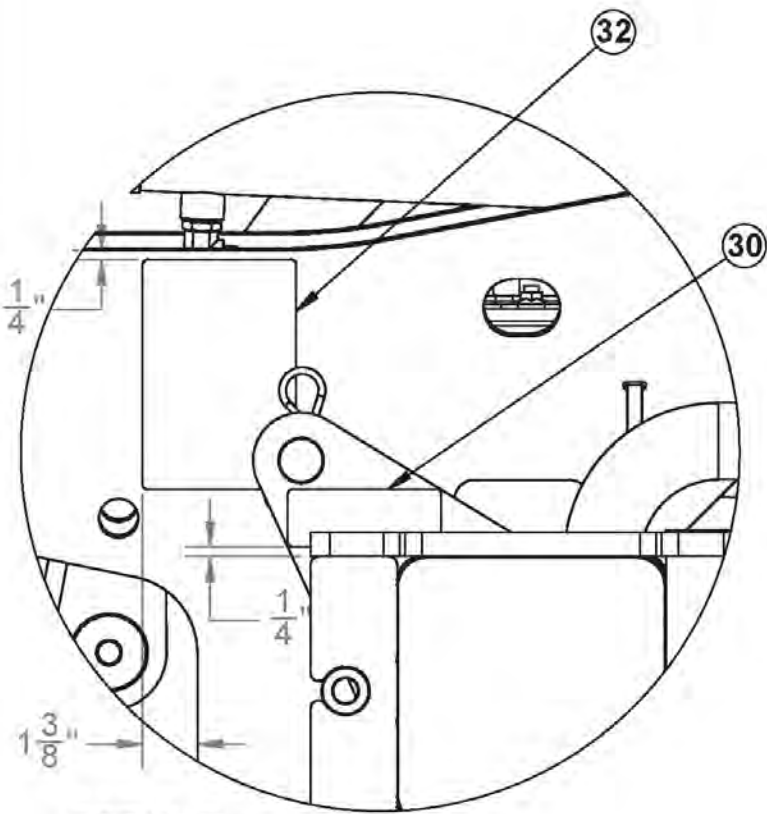
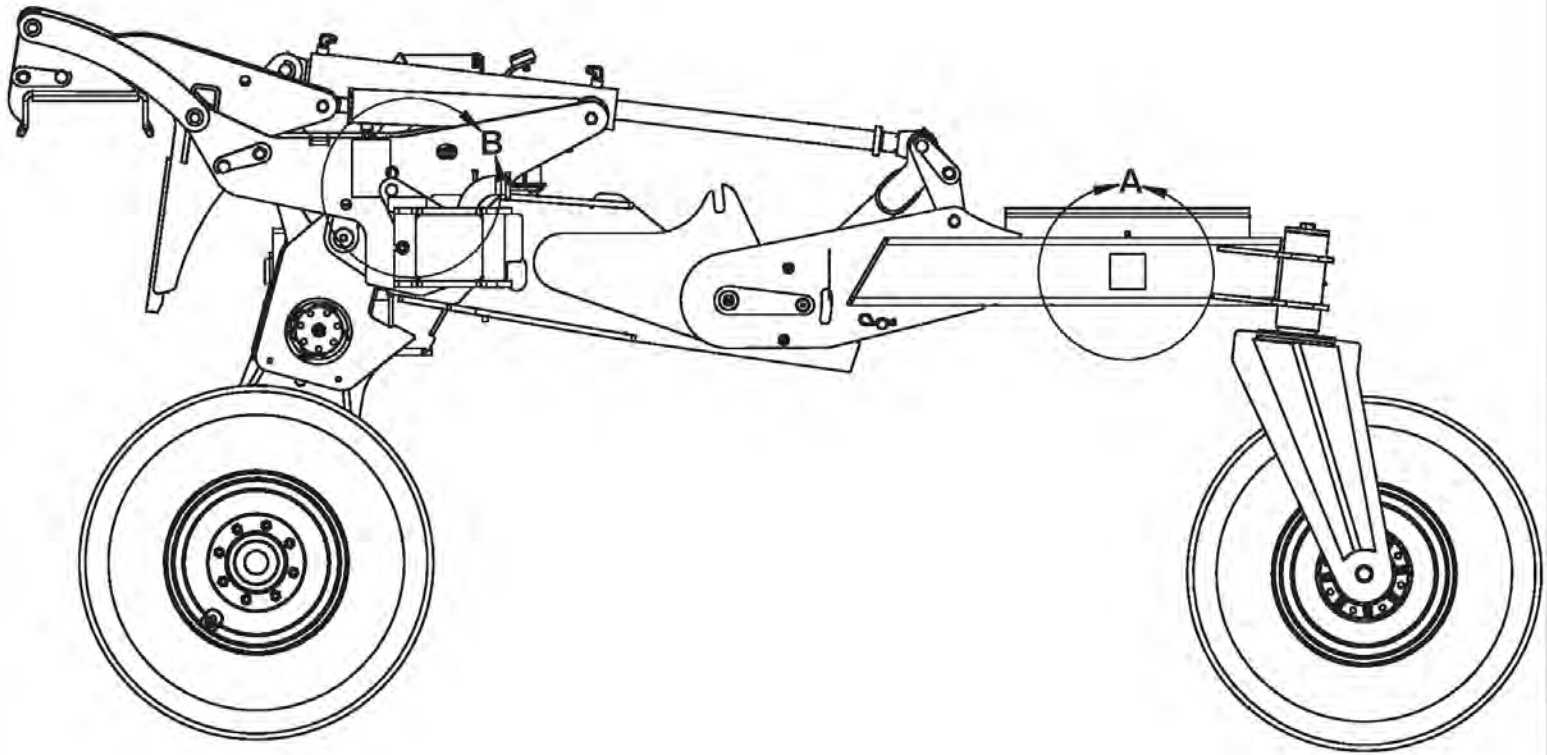


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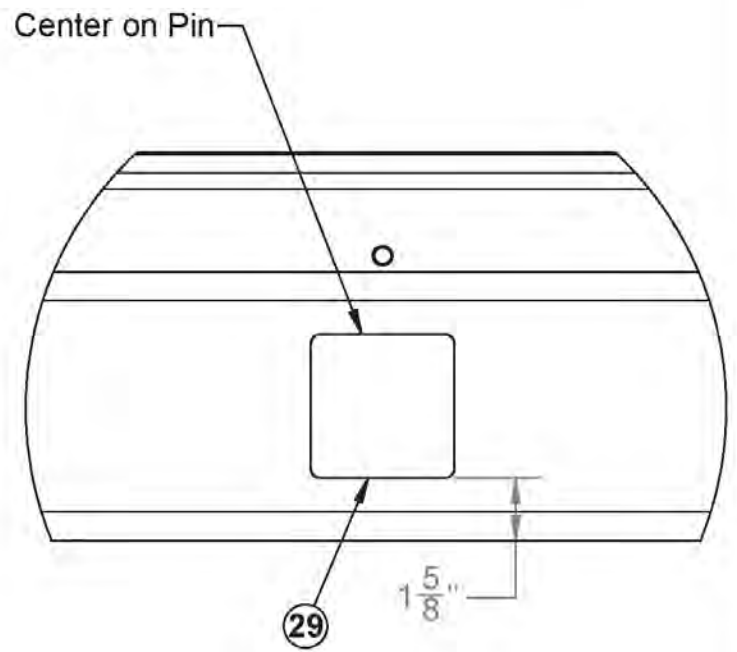
1. **T=XXX** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

TA01610 Assy, 24R22 LH Wing Base

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73368118	Cap, Case LH 7x7 Tube	1	
2	AD-06MJ-04MB-90	ADAPTER 06MJ-04MB 90	1	
3	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
4	AD-08MJ-08MB-90	ADAPTER 08MJ-08MB 90	1	
5	AD-08MJ-08MJ-08MJ	ADAPTER 08MJT	1	
6	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	2	
7	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
8	HB-0.500-13X5.00Y8	Bolt, Hex Hd 1/2-13x5 YZ8	2	
9	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
10	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	4	
11	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
12	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
13	HB-0.625-11X2.75Y8	Bolt, Hex Head-5/8-11x2.75-YZ8	1	
14	HB-0.625-11X8.00Y8	Bolt, Hex Hd-5/8-11x8-YZ8	4	
15	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	3	
16	HCLMP-SAE-32SS	HClamp-SAE-32-SS	8	
17	HCLMP-SAE-612SS	HClamp-SAE-612-SS	1	
18	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
19	HDWSH-0.89X2.50Y	HD Washer 0.89 x 2.50	2	
20	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00	1	
21	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	2	
22	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	2	
23	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	8	
24	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
26	T0050854	Anti Rotation Insert	4	
27	T0051288	Tap Bar	2	
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051737	Decal,Warn CrshHaz Serv WngWhl	1	
30	T0052826	Decal, Notice Trans Lock	1	
31	T0053164	Linkage, Wing Lift	2	
32	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
33	T0053939	Decal, Warn Crsh Wng Whl Set	1	
34	T0053942	Decal, Danger-Wing Crsh Hzd	1	
35	T0055243	Brkt, RU Mtg	1	
36	T0055283	Seal, Vacuum Fan	1	
37	TA00963	Cylinder, Hyd 3.00X20.00	1	
38	TA00979	Assy, Wing Engagement	1	
39	TA00980	Wing Lift Assy	1	
40	TA01208	Fan, Vacuum w/Motor 6cc	1	
41	TA01380	Assy, Wing Wheel	1	
42	TA01623	Assy, 24R22 LH Wing Shield	1	
43	TA01694	Assy, Valve LH Fan Meter Cntrl	1	
44	TW000611	Pin Weldment	1	
45	TW000717	Pin Weldment	1	
46	TW000794	Pin Weldment	1	
47	TW000906	Pin Weldment	1	
48	TW001273	Wldmt, 24R22 LH Wing	1	



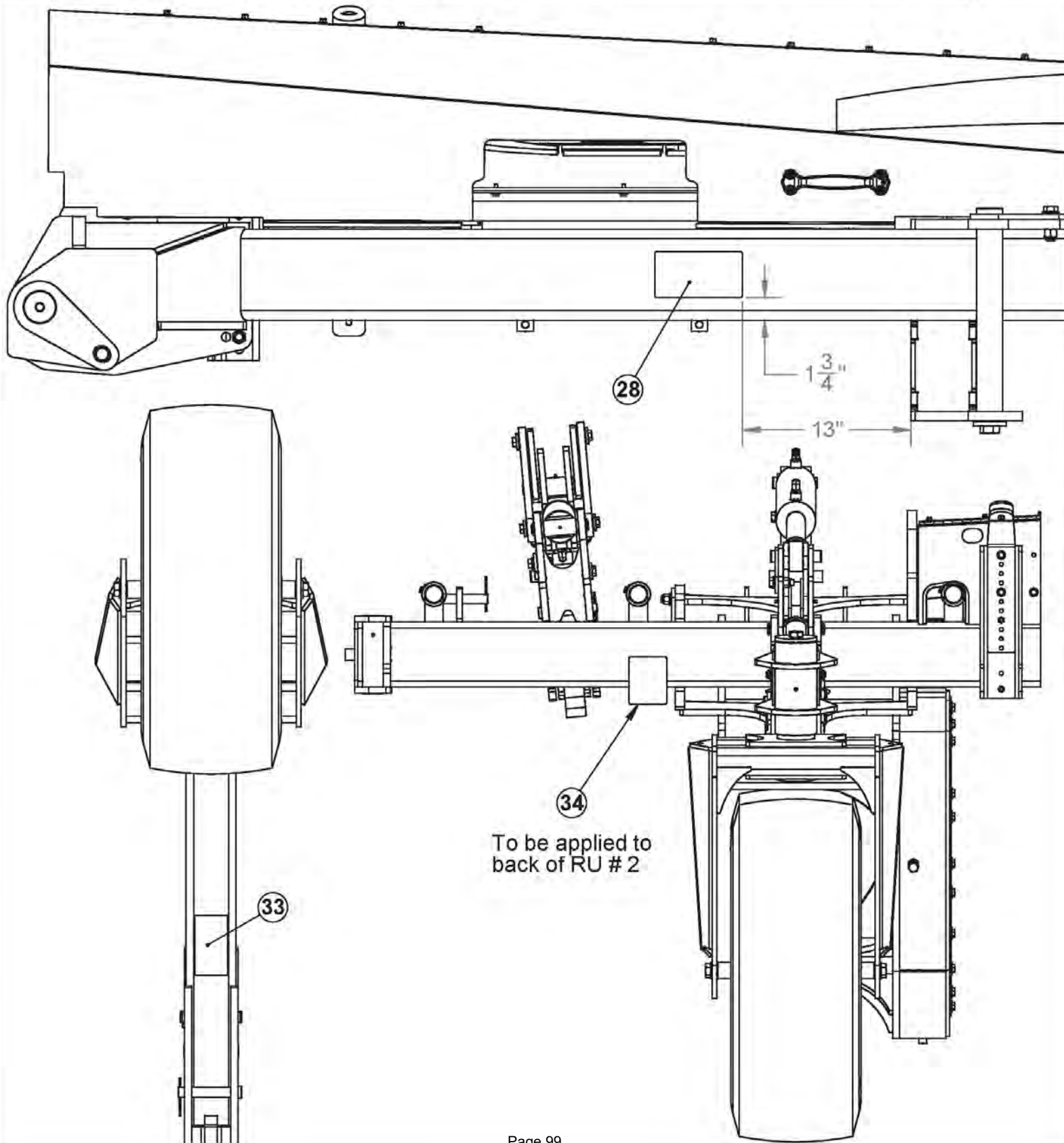
DETAIL B
SCALE 1 : 5

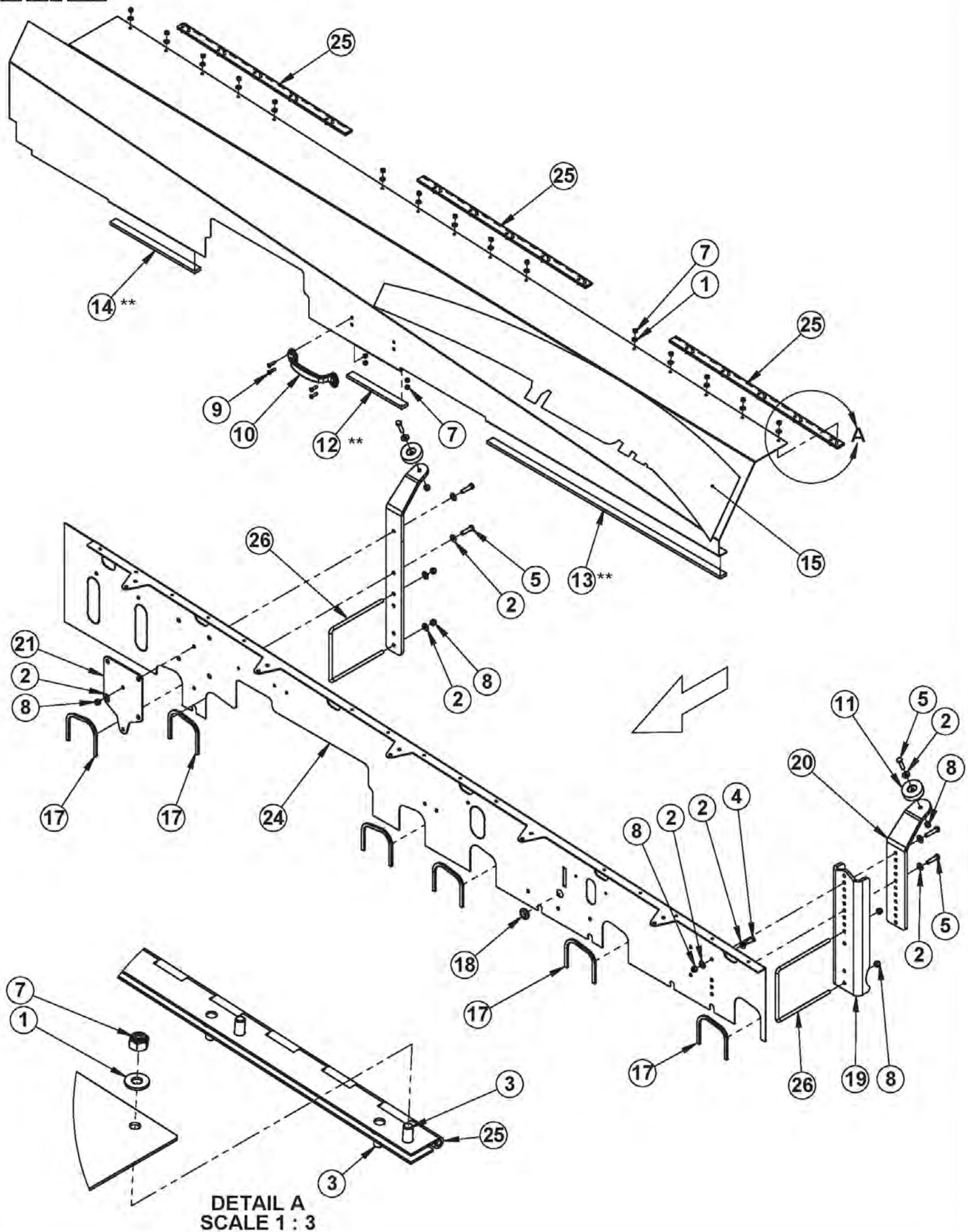


DETAIL A
SCALE 1 : 5

TA01610 Assy, 24R22 LH Wing Base

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051737	Decal, Warn CrshHaz Serv WngWhl	1	
30	T0052826	Decal, Notice Trans Lock	1	
32	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
33	T0053939	Decal, Warn Crsh Wng Whl Set	1	
34	T0053942	Decal, Danger-Wing Crsh Hzd	1	



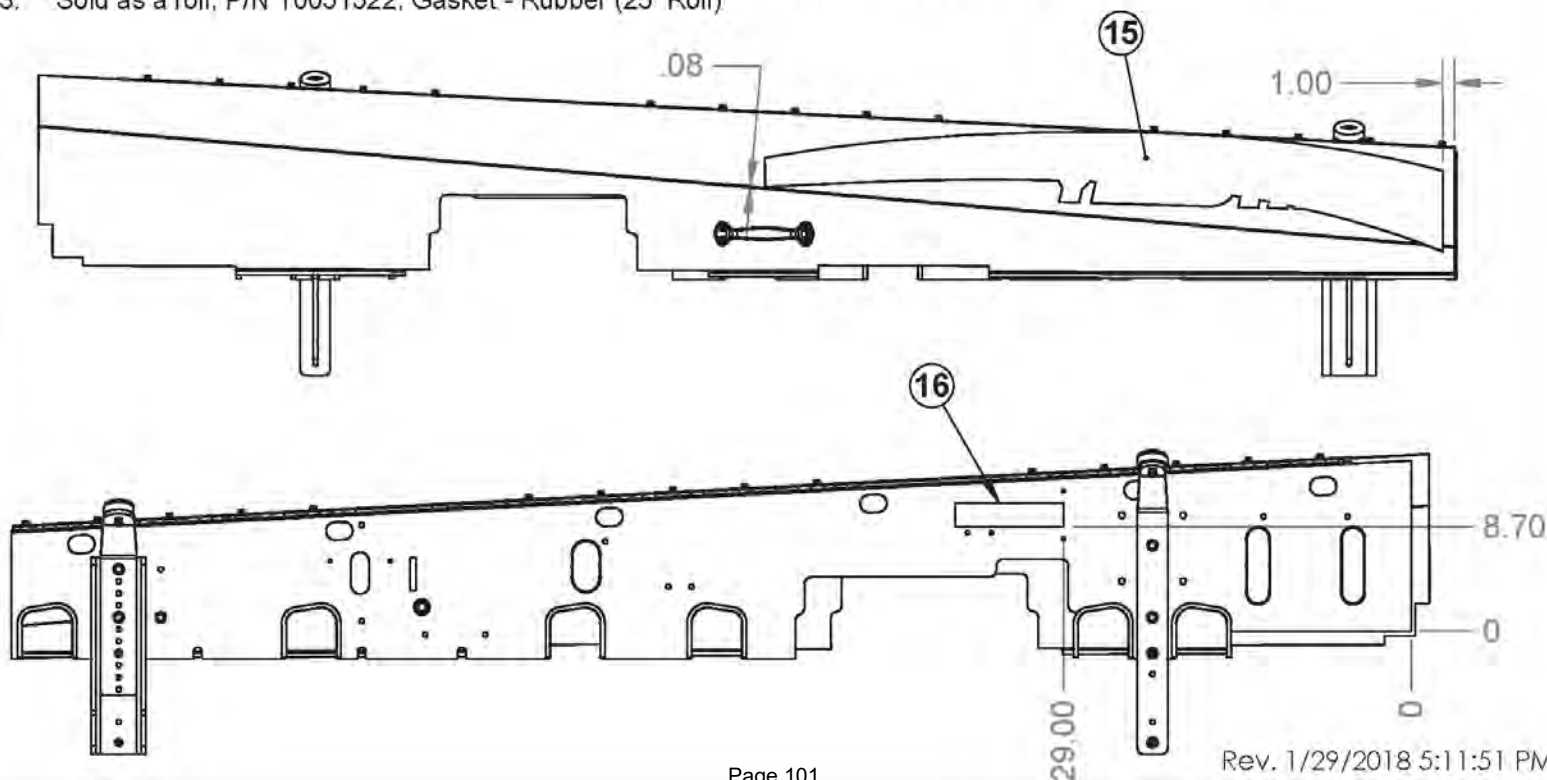


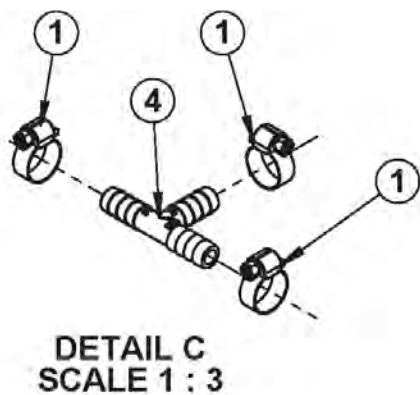
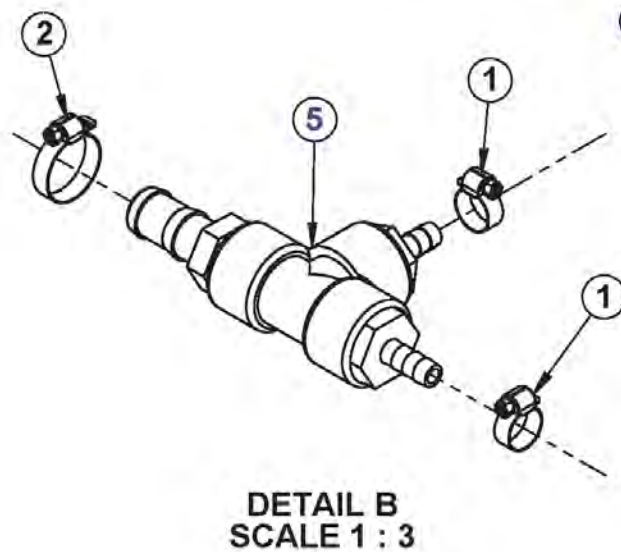
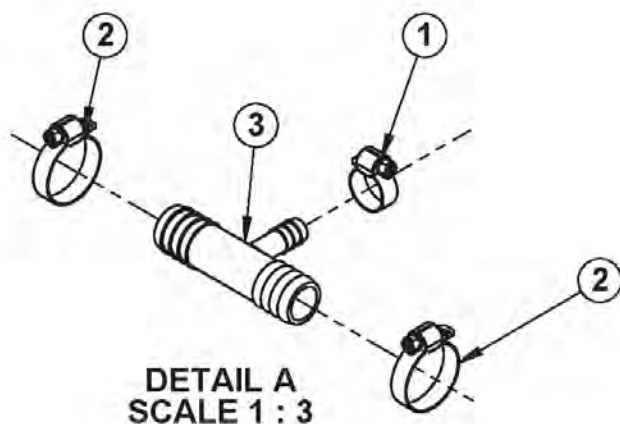
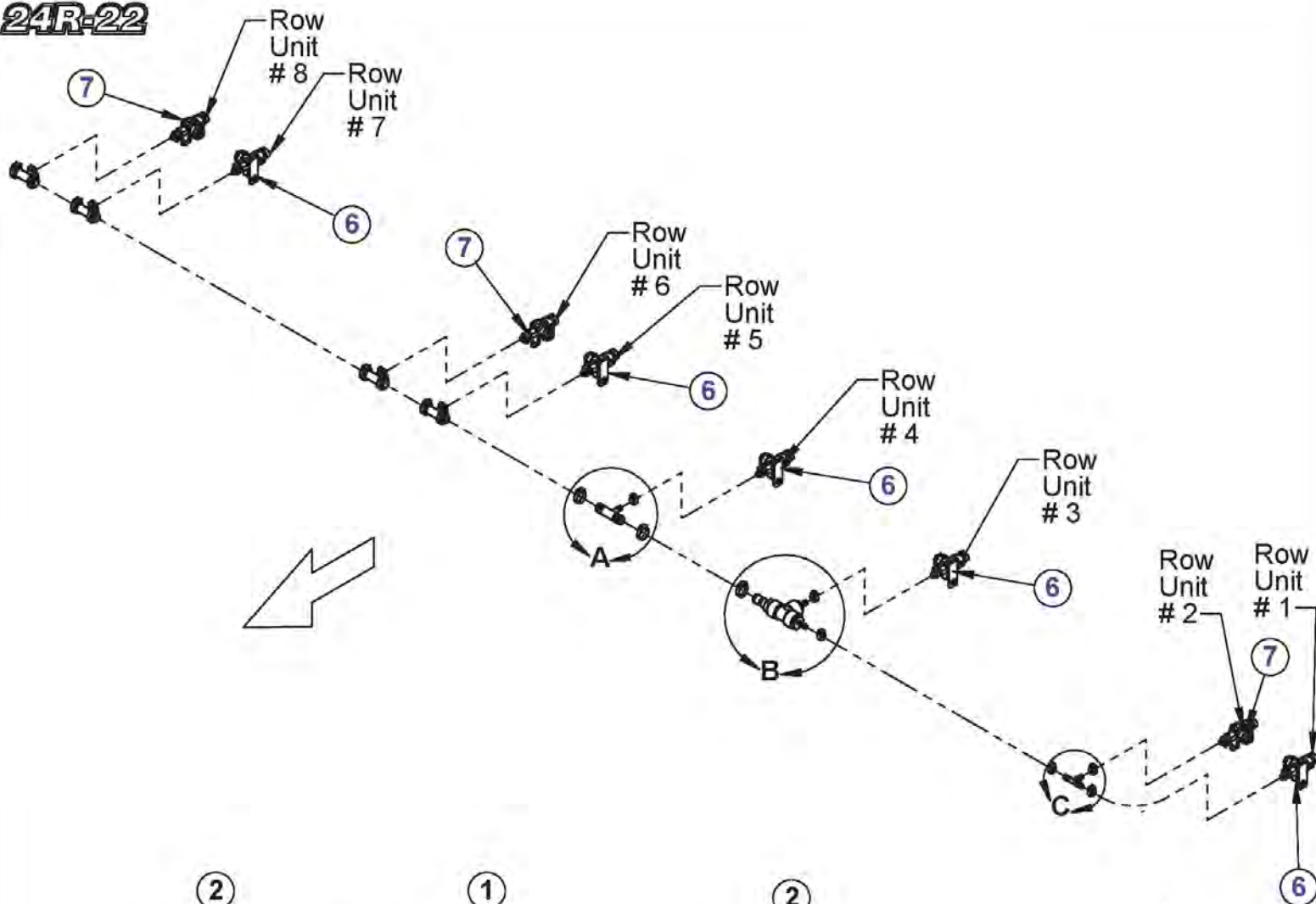
TA01623 Assy, 24R22 LH Wing Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	15	
2	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	11	
3	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2-YZ8	30	
4	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	1	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	5	
6	HB-0.375-16X1.75Y8	Bolt, Hex Hd-3/8-16x1-3/4-YZ8	1	
7	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	34	
8	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	8	
9	OHPMS-.250-20X1.00SS	Screw, Ovl Hd Mach 1/4-20x1 SS	4	
10	T0051467	Handle	1	
11	T0051481	Rubber Stop	2	
12	T0051552	Cut Length 9.15	1	
13	T0051552	Cut Length 38.80	1	
14	T0051552	Cut Length 14.1	1	
15	T0051664	Decal, YieldTrac With Arch LH	1	
16	T0051729	Decal, Reflector, Yellow-2x9	1	
17	T0052395	U-Trim, 3/8x1/16 (per ft)	6	
18	T0053396	Grommet, Rubber	1	
19	T0054582	Shield Mount	1	
20	T0054583	Mount, Shield Bumper	1	
21	T0055227	Mount, PP Alt.	1	
22	T0055228	Bumper Stop	1	
23	T0055244	Shield, 24R22 LH Wing	1	
24	T0055245	Panel, 24R22 LH Wing Back	1	
25	TA00851	Piano Hinge	3	
26	UB-0.38X7.0X7.0-SY2	3/8 X 7 X 7 U Bolt	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. ** Sold as a roll, P/N T0051522, Gasket - Rubber (25' Roll)



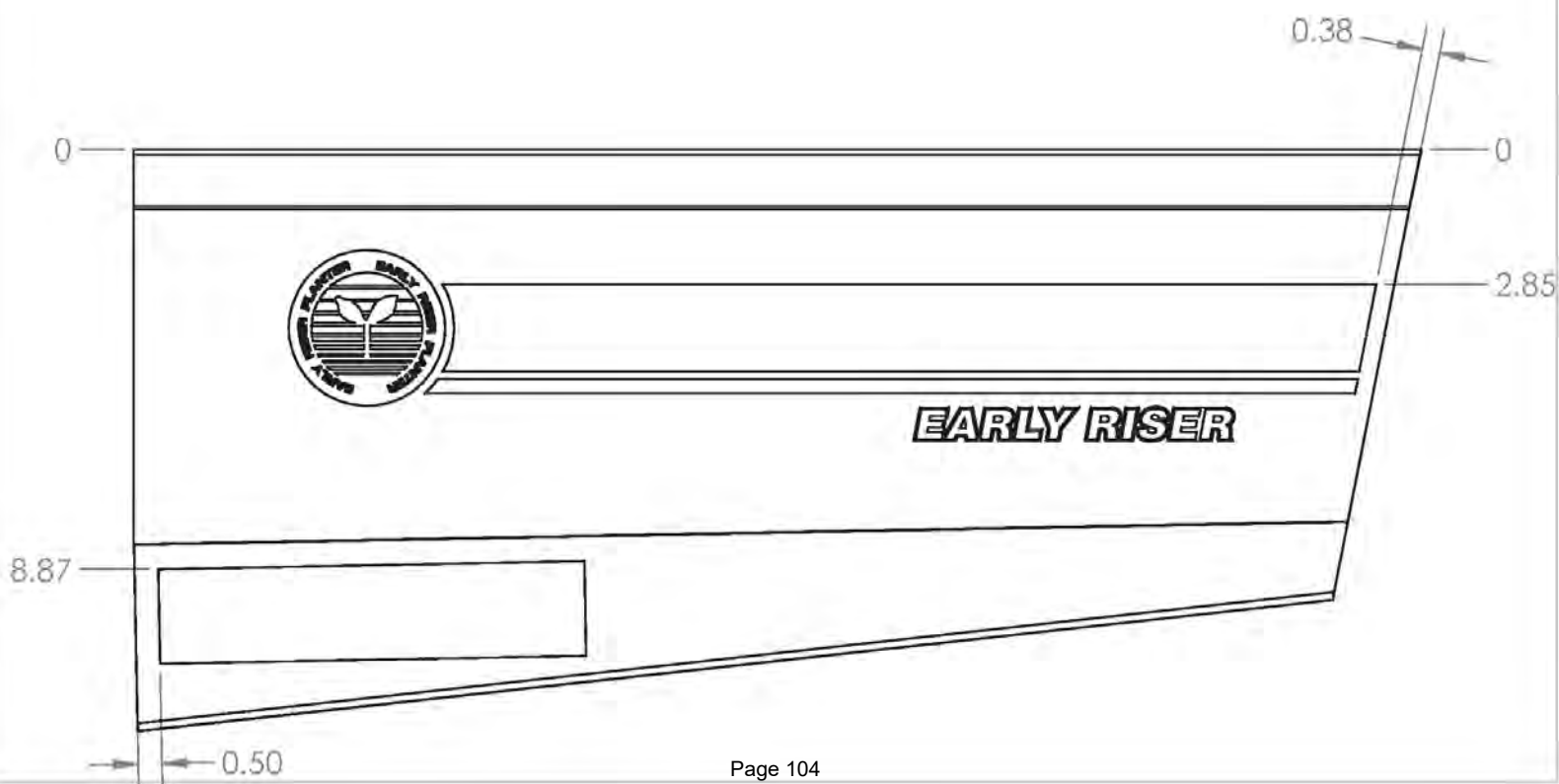
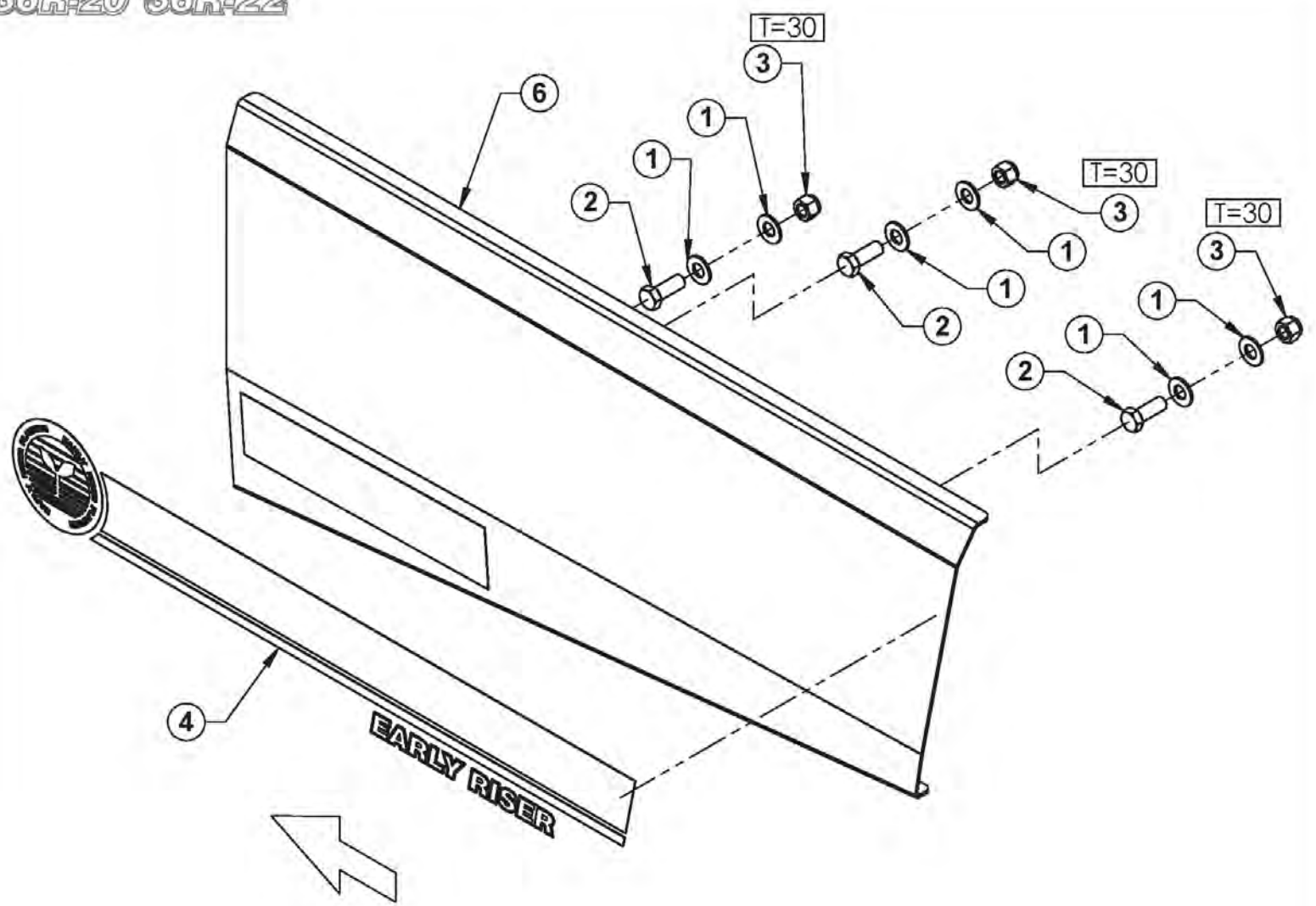


TA01854 Assy, 24R22 LH Wing Fert

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-06SS	Hose Clamp, SAE #6-SS	10	
2	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	11	
3	T0052308	Barbed Tee 3/4" x 3/4" x 3/8"	5	
4	T0055837	Fitting, 3/8" Hose Barb Tee	1	
5	TA01051	Assy, Mnfld End	1	
6	TA01633	Assy, RH Fert Check Valve	5	
7	TA01634	Assy, LH Fert Check Valve	3	

Note:

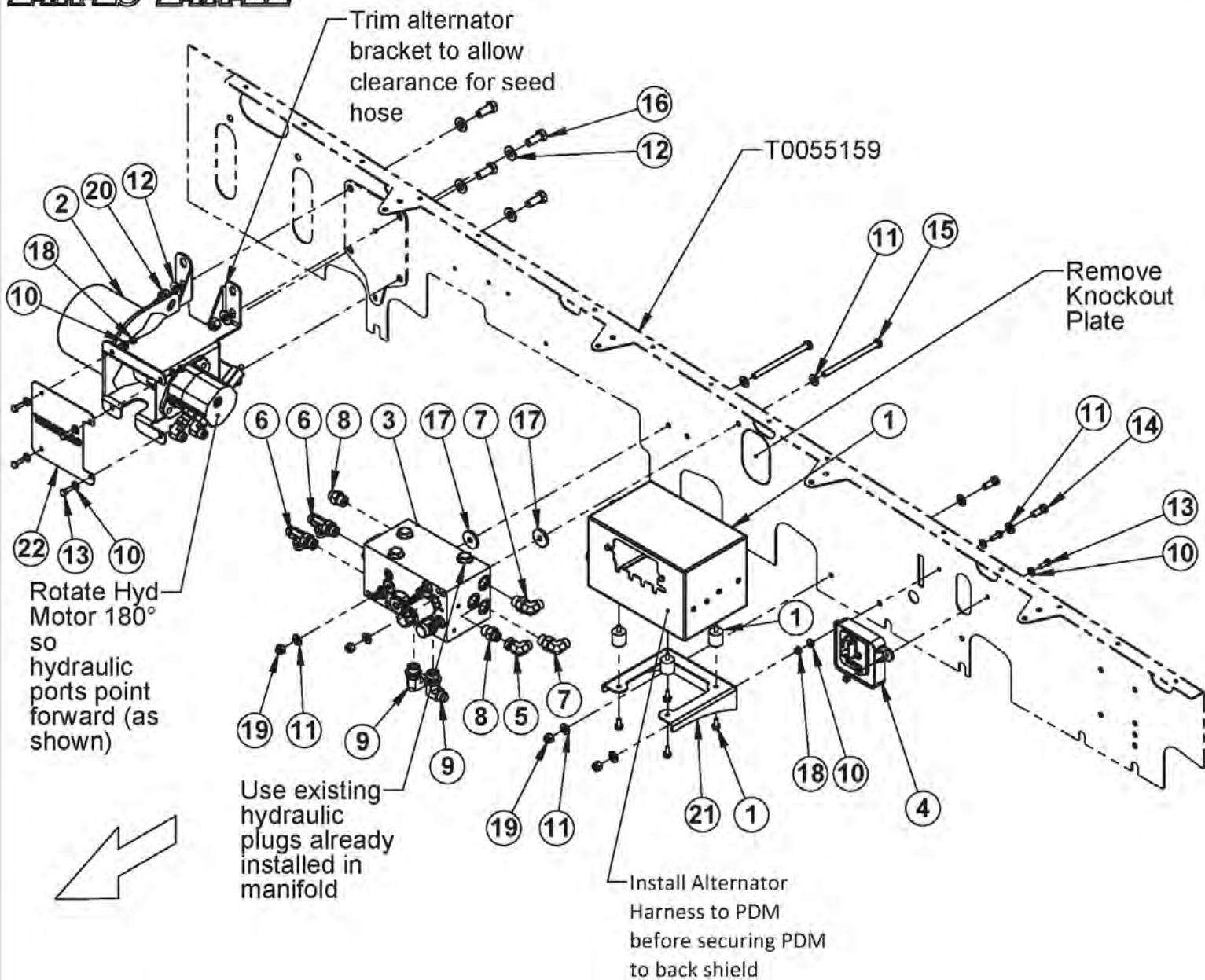
1. **[T=XXX]** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified).
2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA00669 Assy, Row Unit End Plate-LH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	6	
2	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	3	
3	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	3	30
4	T0051489	Decal, Early Riser Planter-LH	1	
5	T0051729	Decal, Reflector, Yellow-2x9	1	
6	TW000669	Wdmt, End Shield Row Unit-LH	1	

Note:**T** = Torque Expressed in ft-lbs

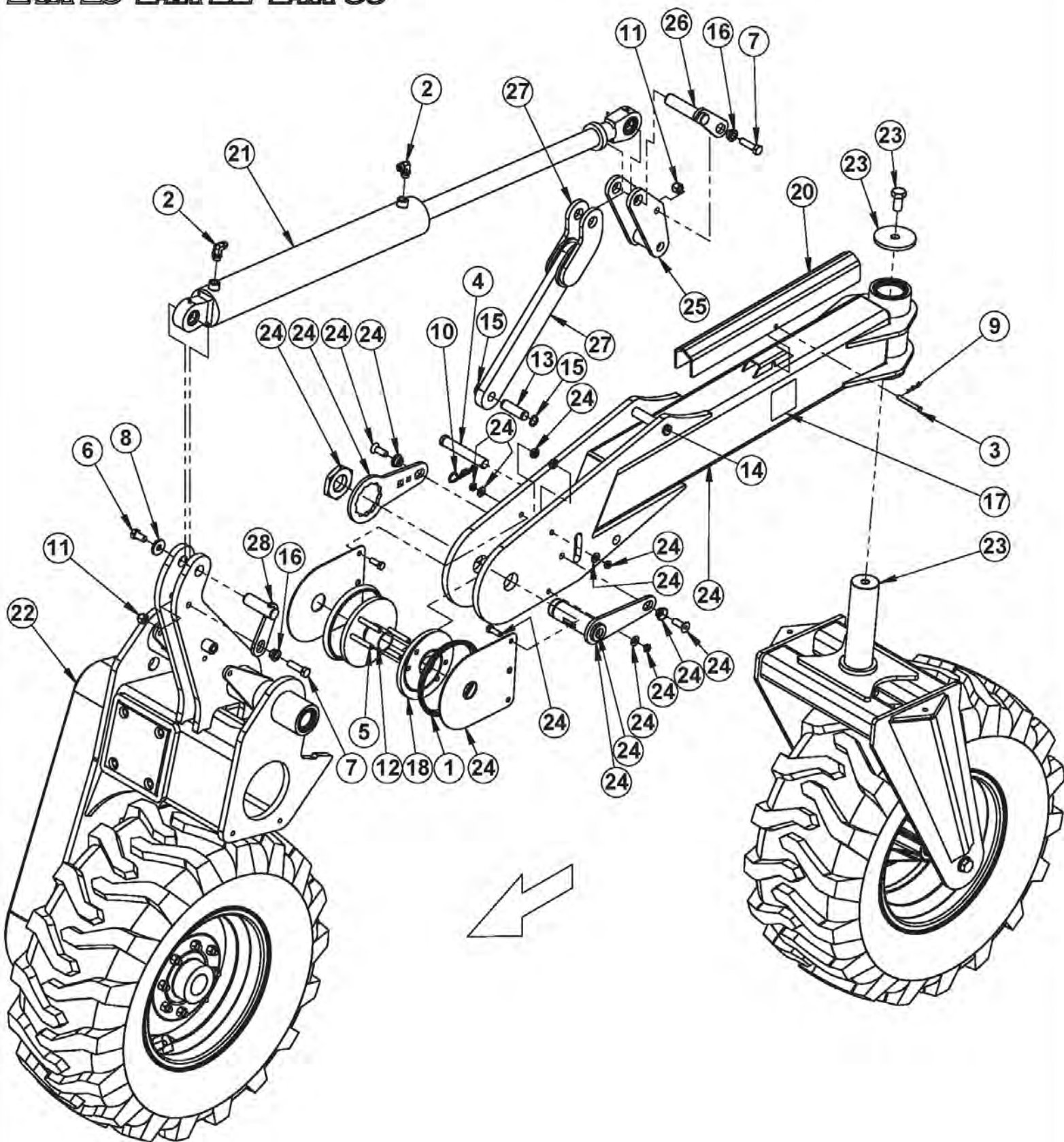


TA01606 Assy, PP Components 24R20/22

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73368310	Module, Power Distribution	1	
2	73368352	Alternator Kit	1	
3	73368374	Manifold, DeltaForce	1	
4	73368517	SRM CAN Repeater	1	
5	AD-06MFS-06FST-90	AD-06MFS-06FST-90	1	
6	AD-06MFS-08MB-06MFS	ADAPTER 06MFS-08MB-06MFS	2	
7	AD-06MFS-08MB-90	AD-06MFS-08MB-90	2	
8	AD-06MFS-08MB	AD-06MFS-08MB	2	
9	AD-08MJ-10MB-90	ADAPTER 08MJ-10MB 90	2	
10	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	12	
11	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	8	
12	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	8	
13	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	6	
14	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	2	
15	HB-0.375-16X5.50Y8	HBolt-0.3750-16x5.500-YZ8	2	
16	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	4	
17	HDWSH-0.375X1.375Y	HD Washer 0.375 x 1.375	2	
18	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	6	
19	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
20	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	4	
21	T0054215	PDM Mount	1	
22	T0054509	Cover Plate, Alternator	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.

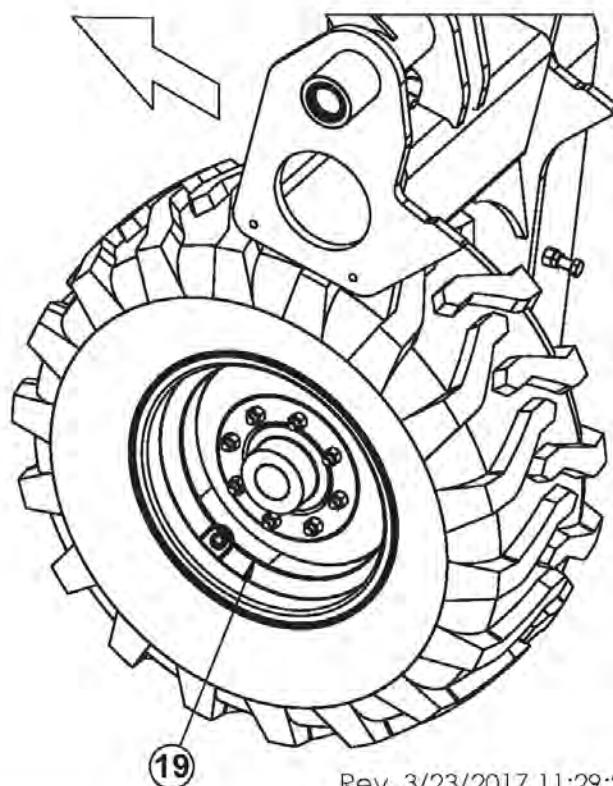
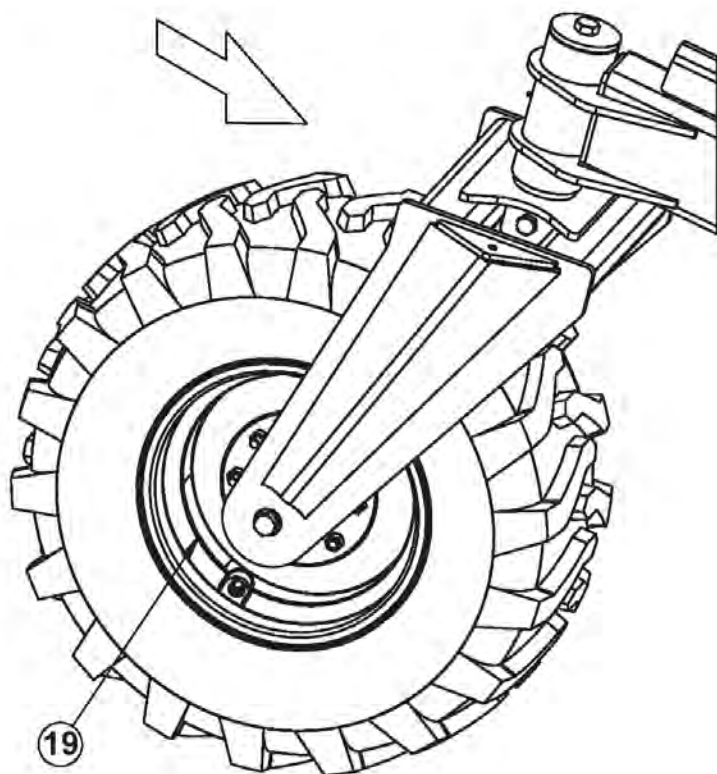


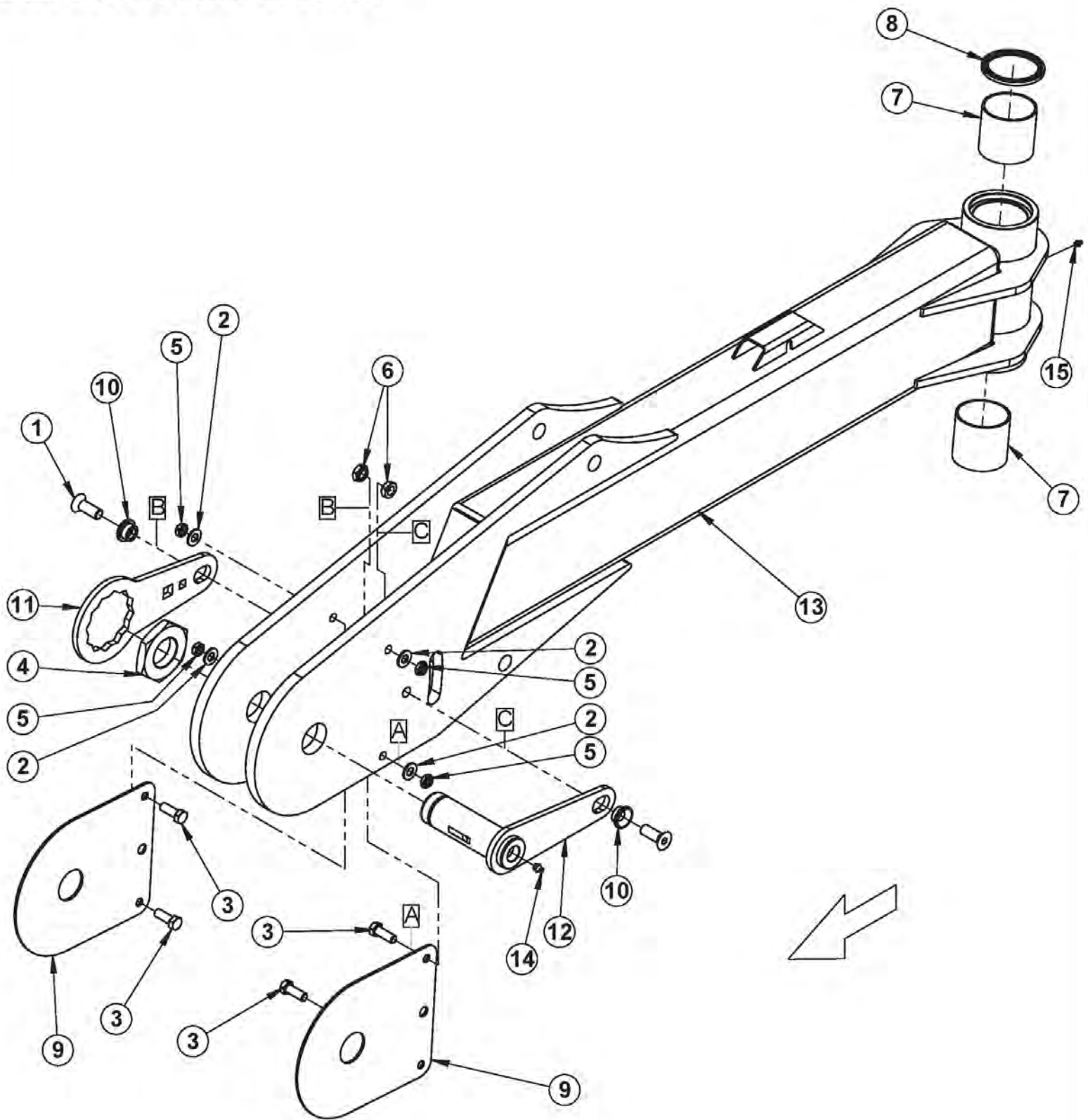
Note:

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.

TA01380 Assy, Wing Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	433478A1	Seal, Rubber	2	
2	AD-08MJ-08MB-90	ADAPTER 08MJ-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	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	1	
7	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
8	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	1	
9	HPINCLIP-0.313 YZ	Hair Pin Clip-Ø5/16" YZ	1	
10	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	1	
11	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	2	
12	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	1	
13	PIN-1.000X2.88Y	PIN-1.000X2.88Y	1	
14	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
15	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	4	
16	T0050854	Anti Rotation Insert	2	
17	T0051737	Decal,Warn CrshHaz Serv WngWhl	1	
18	T0051869	Plate, Grease Friction	2	
19	T0054597	Decal, 30 psi & 175 Lug Torque	2	
20	T0054600	Channel - Wing Cylinder Stop	1	
21	TA01182	Cylinder, Hyd 3.75X26.75 Reph	1	
22	TA01377	Assy, Single Front Wing Wheel	1	
23	TA01378	Assy, Caster Wheel	1	
24	TA01381	Rear Caster Arm Assy	1	
25	TW000903	Wldmt, Link	1	
26	TW000905	Pin Weldment	1	
27	TW000919	Wldmt, Dogbone Link	1	
28	TW001106	Pin Weldment	1	



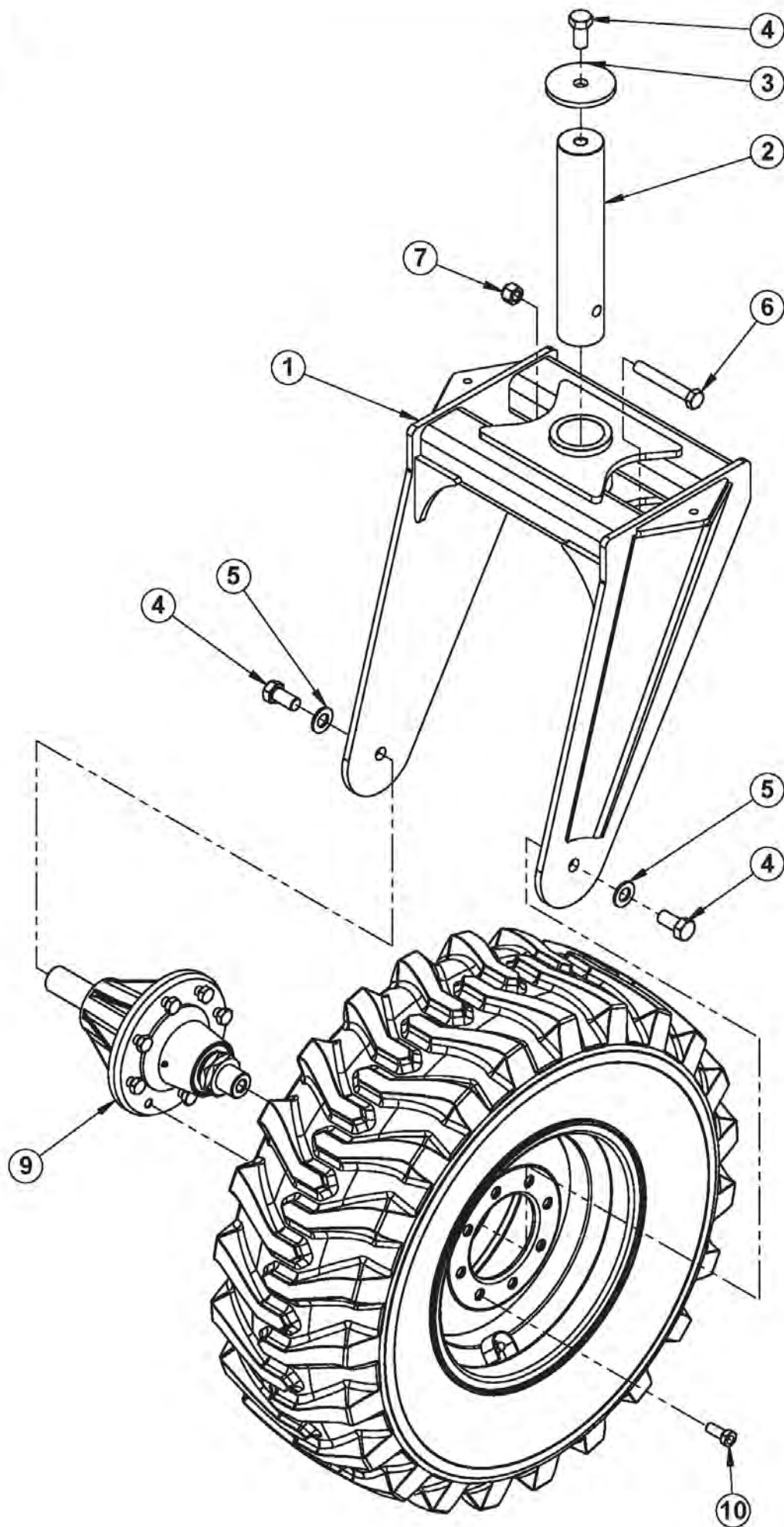


TA01381 Rear Caster Arm Assy

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-3.000X3.25X3.00	Polygon Bushing 3.000 x 3.25 x 3.00	2	
8	T0051586	3.00 Grease Seal	1	
9	T0051868	Plate, Friction Wear	2	
10	T0054627	Anti Rotation Insert	2	
11	T0054628	Plate, Locking 12Pt	1	
12	TW001201	Pin Weldment	1	
13	TW001230	Wldmt, Rear Wing Wheel Arm	1	
14	ZERK-0.125-27-NPT	Zerk,-1/8-27-NPT	1	
15	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.

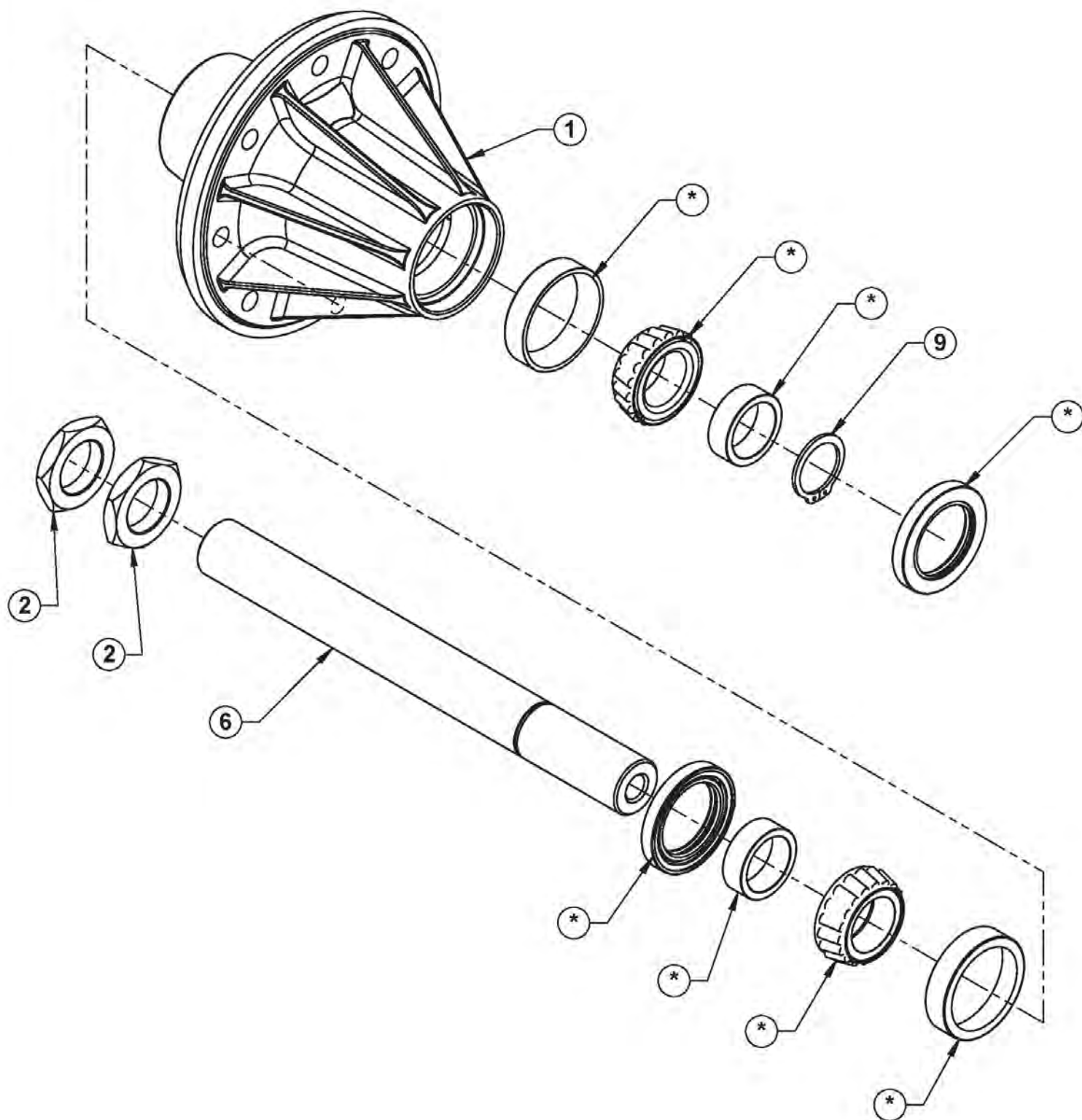


TA01378 Assy, Caster Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW000955	Wldmt, Caster	1	
2	T0053461	Caster Shaft	1	
3	HDWSH-0.89X4.50Y	HD Washer .875 x 4.5	1	
4	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	3	
5	FW-SAE-0.875Y	FW-SAE-0.875-YZ	2	
6	HB-0.750-10X5.00Y8	Bolt, Hex Hd 3/4-10x5-YZ8	1	
7	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	1	
8	TA01371	Wheel Assy	1	
9	TA01379	Assy, 8 Bolt Hub	1	
10	WB-0.625-18X1.38C5	Wheel Bolt, 5/8-18X1-3/8 C5	8	175

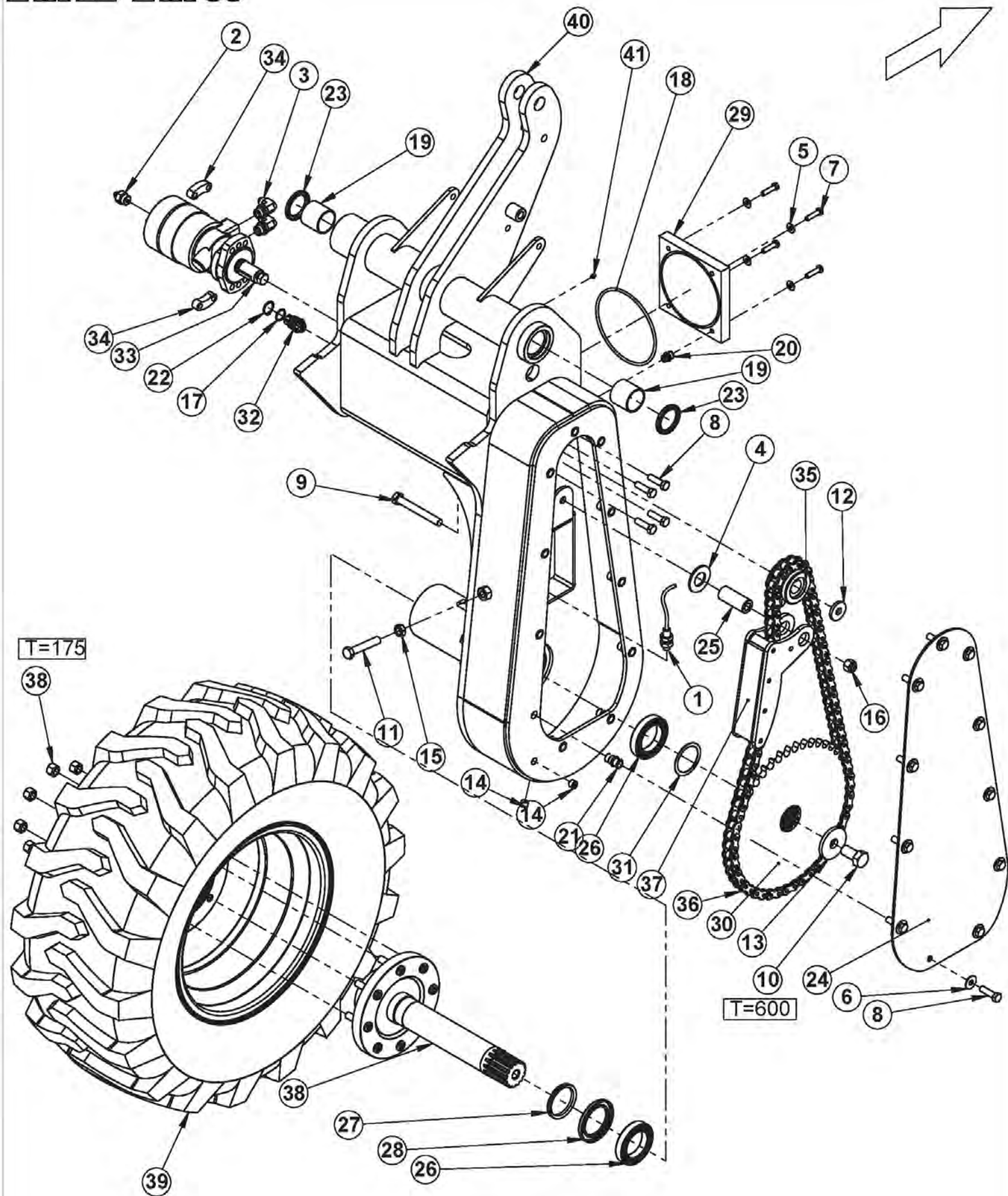
Note:

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	

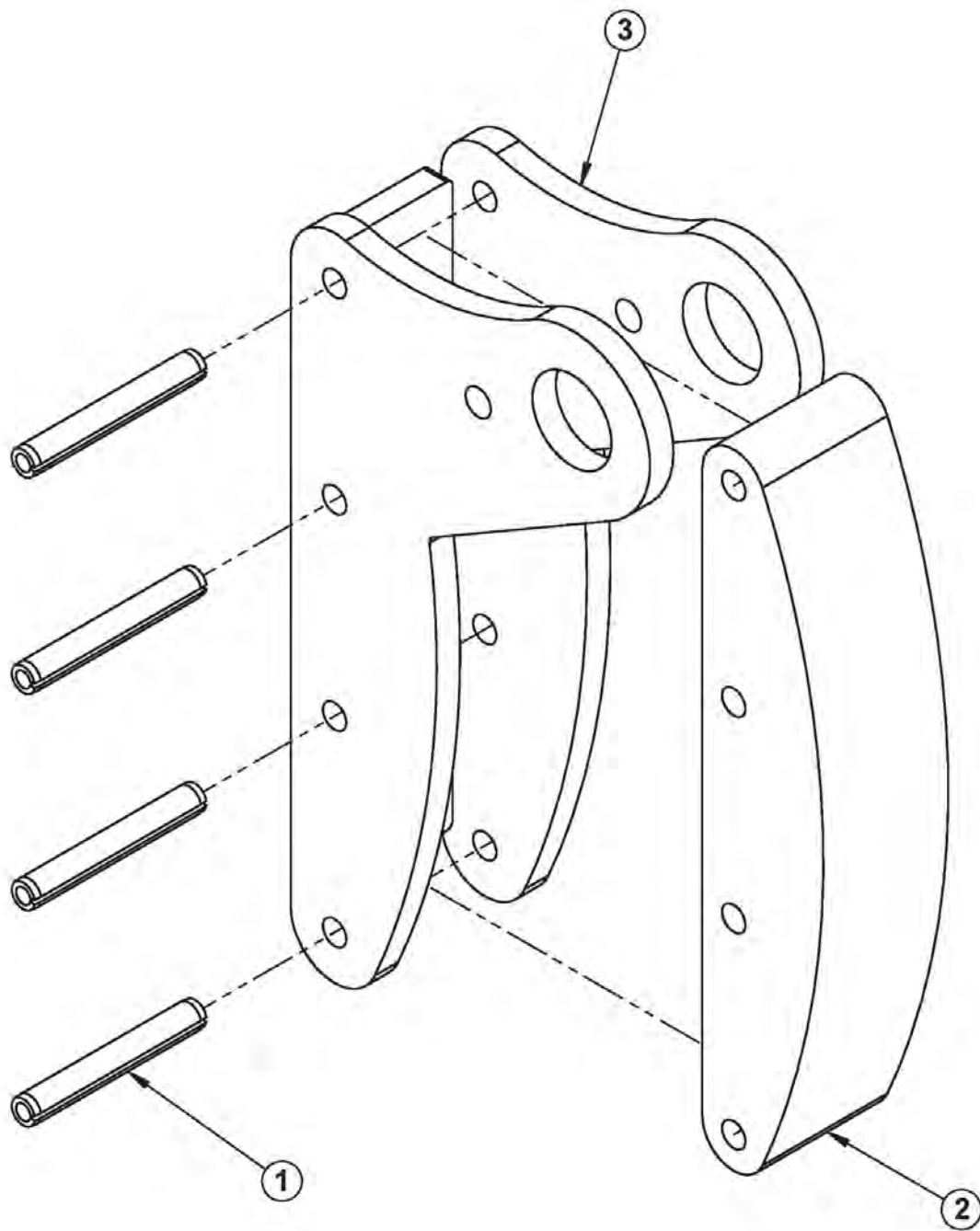


TA01377 Assy, Single Front Wing Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	324049A1	Sensor, Hall Effect Zero Speed	1	
2	AD-06MJ-10MB	ADAPTER 06MJ-10MB	1	
3	AD-08MJ-10MB-90	ADAPTER 08MJ-10MB 90	2	
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-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	15	
9	HB-0.625-11X5.00Y8	Bolt, Hex Head-5/8-11x5.0-YZ8	1	
10	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	1	
11	HBFT-0.625-11X3.50Y8	HBolt-0.6250-11x3.500-FT-YZ8	1	
12	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	1	
13	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00	1	
14	HSPLUG-0.375-NPTFC	Plug, Hex Skt 3/8-18 NPTF CZ	2	
15	JNUT-0.625-11Y8	Nut, Jam-5/8-11-YZ8	1	
16	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
17	ORING-1.130X.103	O-Ring, Ø1.130OD X Ø.103	1	
18	ORING-7.375X.188-N	O-Ring, Ø7.38ODxØ.188 Nitrile	1	
19	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
20	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	4	
21	RN-0.500-13-.35-.50Y	Rivnut, 1/2-13 .350-.500 GR	11	
22	SRING-EXT-1.13Y	Ring, Retaining Ext-1.125"	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	T0054261	45 Tooth 80 Chain Sprocket	1	
31	T0054282	Drive Wheel Spacer	1	
32	T0054293	Harness, Wheel Drive	1	
33	T0054948	Motor, Wheel Drive 470cc	1	
34	T0054962	Plate, Motor Retainer	2	
35	T0054963	Sprocket, 80C12 Machined	1	
36	T0055183	80 Pitches 80 Pitch Chain	1	
37	TA01089	Tensioner, Wheel Drive	1	
38	TA01369	Hub Assy	1	
39	TA01371	Wheel Assy	1	
40	TW001229	Wdmt, Single Front Wing Wheel	1	
41	ZERK-0.250-28	Zerk, 1/4-28	1	

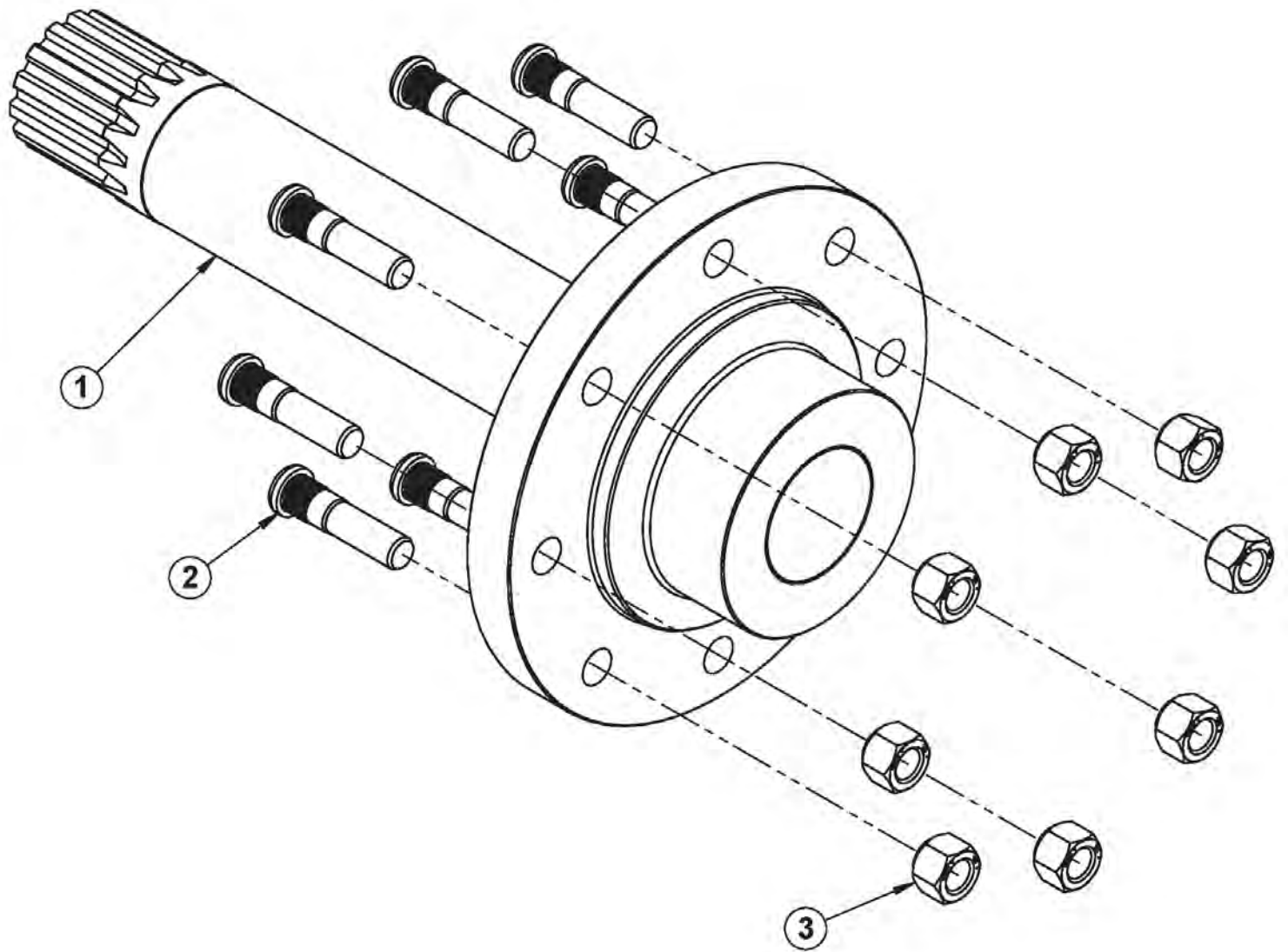
Note:

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.



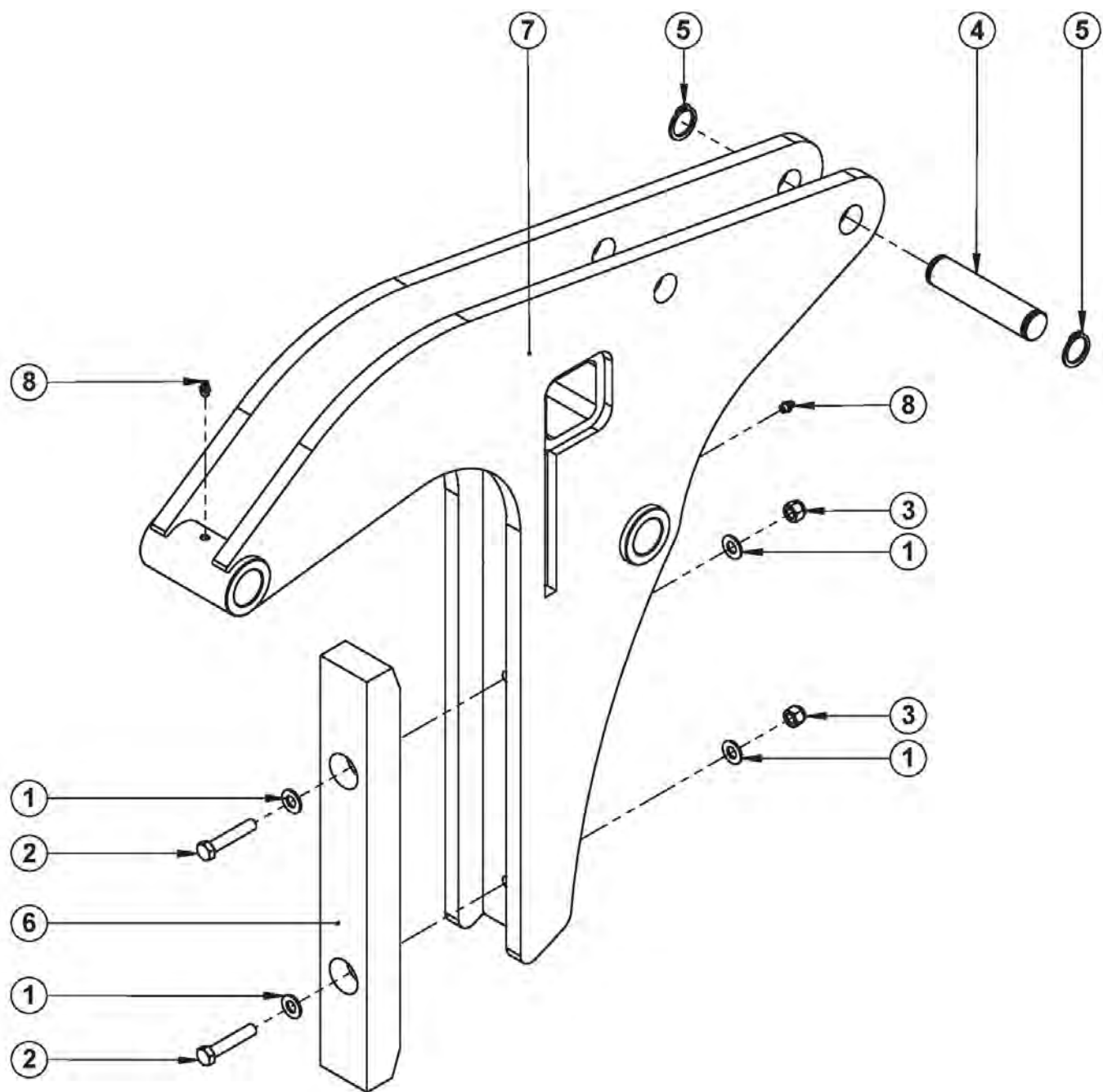
TA01089 Tensioner, Wheel Drive

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	



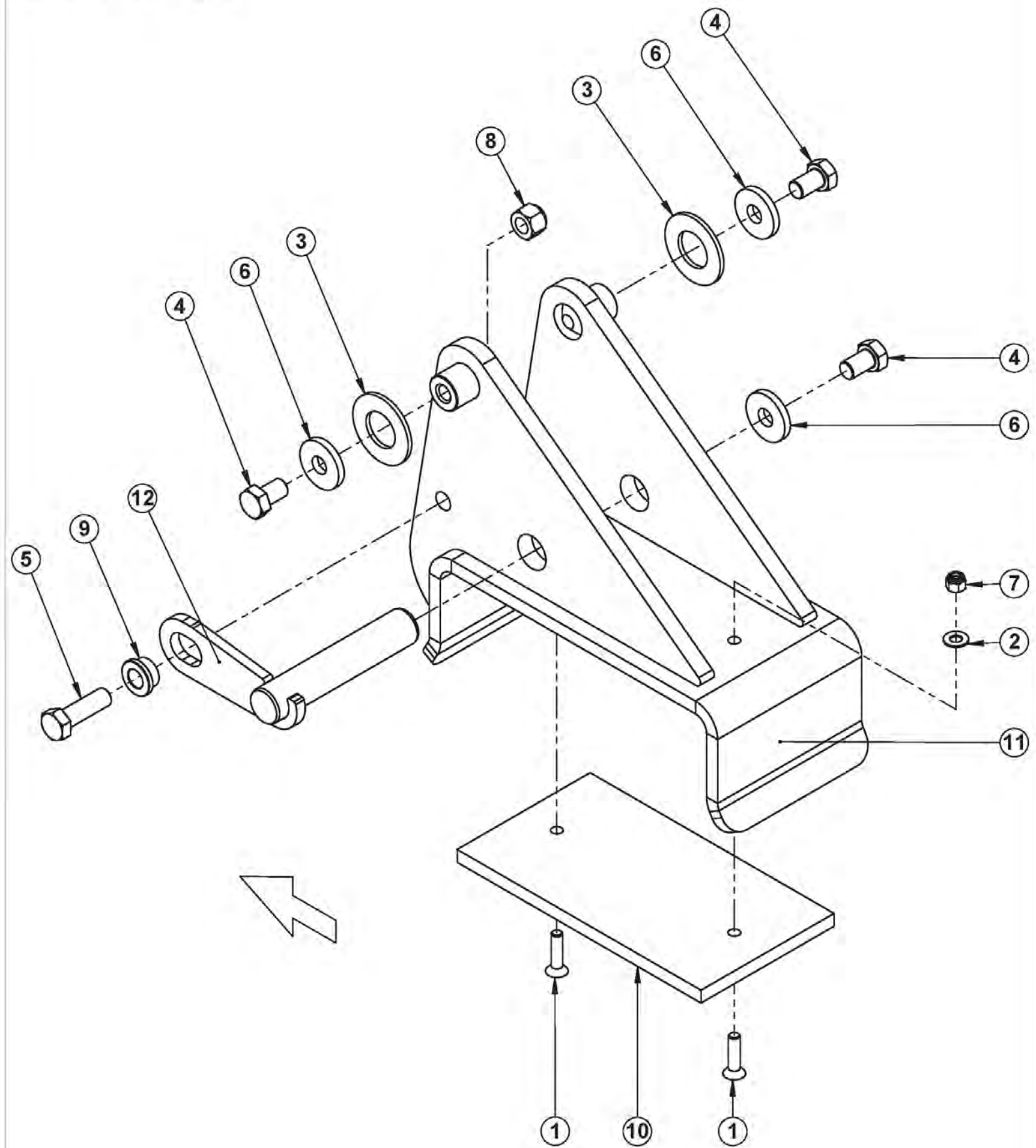
TA01369 Hub Assy

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001224	Axle, 15/20 Wing Wheel	1	
2	WS-0.625-18X2.50C8	Stud, Wheel 5/8-18 Gr8 CZ	8	
3	WHNUT-0.625-18C8	Nut, Wheel 5/8-18 Gr8 CZ	8	



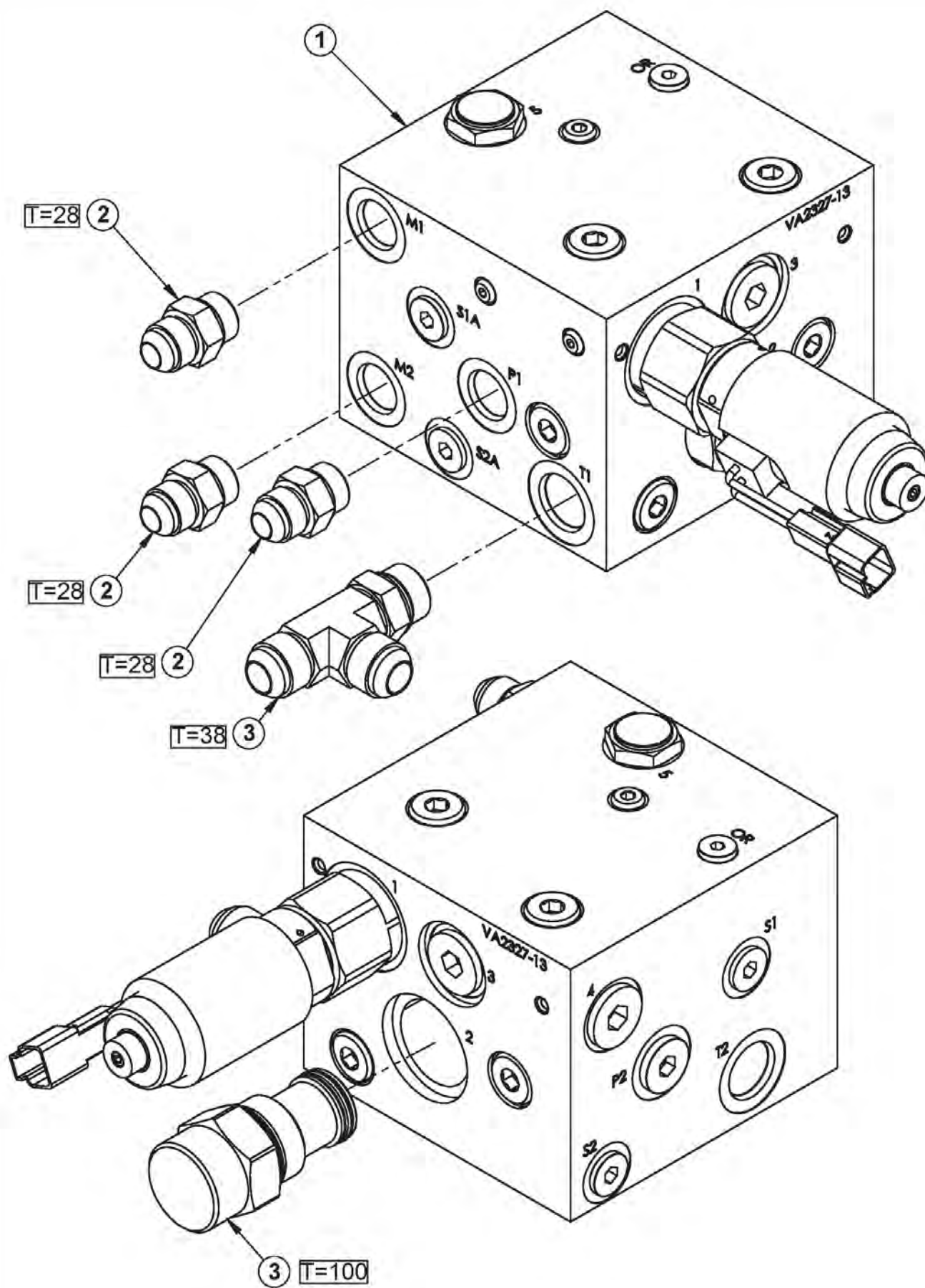
TA00980 Wing Lift Assy

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	



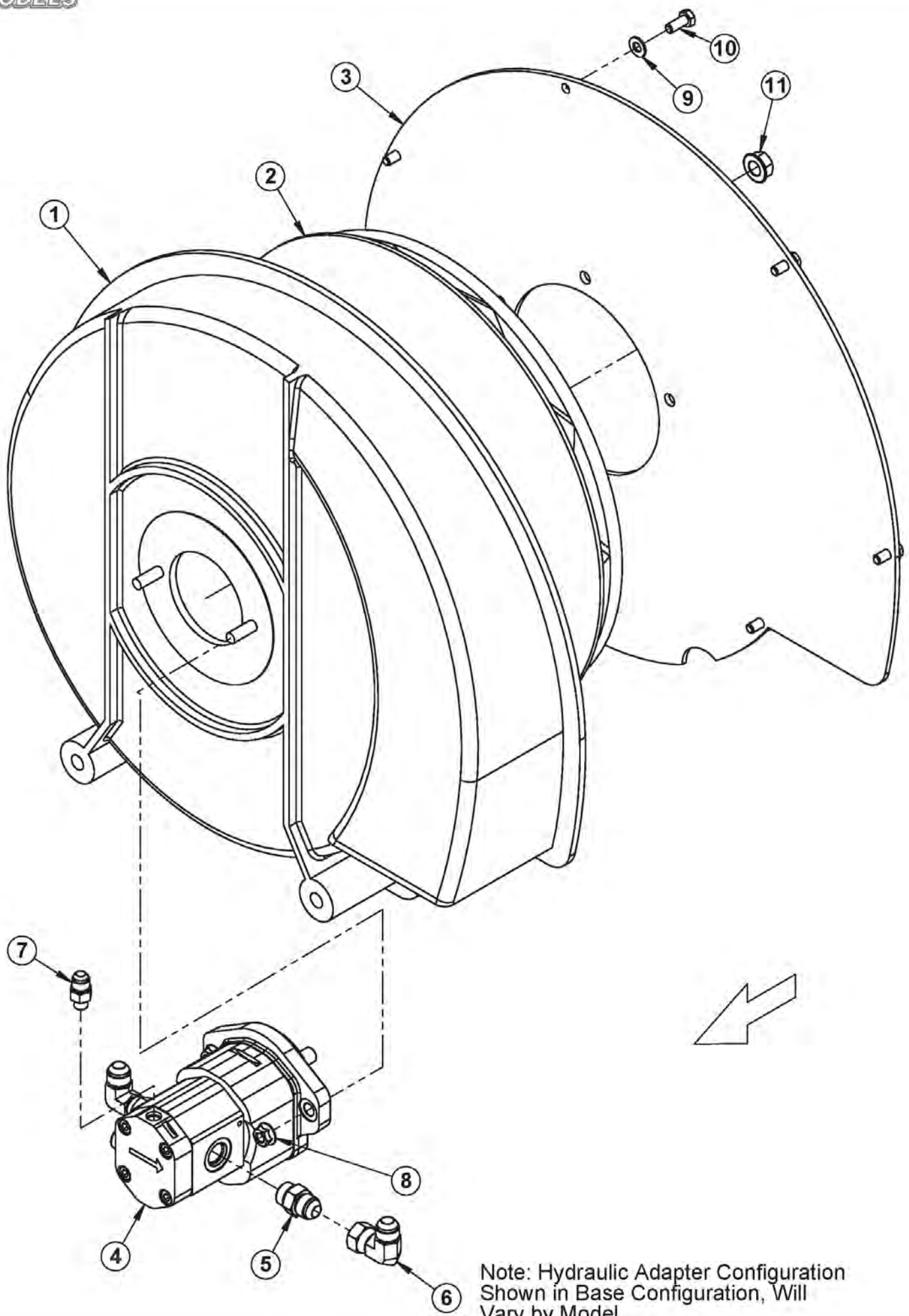
TA00979 Assy, Wing Engagement

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	



TA01694 Assy, Valve LH Fan Meter Cntrl

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0054381	Assy, Fan Ctrl Valve	1	
2	AD-08MJ-08MB	ADAPTER 08MJ-08MB	3	28
3	AD-10MJ-10MB-10MJ	ADAPTER 10MJ-10MB-10MJ TEE	1	38
4	T0055197	Cartridge, Flow Control 9.0 GPM	1	100



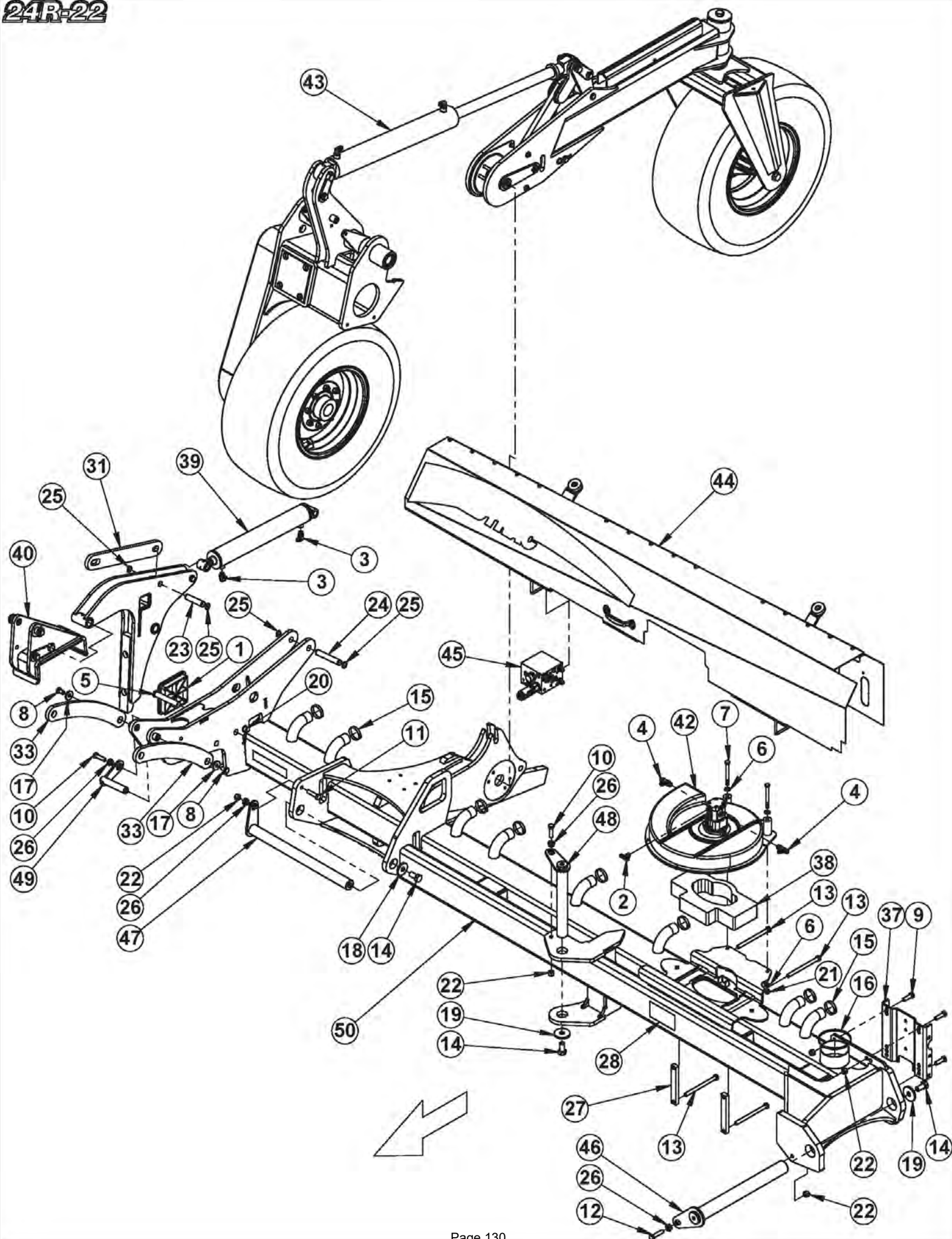
Note: Hydraulic Adapter Configuration
Shown in Base Configuration, Will
Vary by Model

TA01208 Fan, Vacuum w/Motor 6cc

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051281	Housing, Fan	NSS	
2	T0051199	Impeller, Fan	NSS	
3	T0051282	Plate, Fan Back	NSS	
4	T0054396	Kit, 6cc Motor Upgrade	1	
5	AD-08MJ-08MB	Adapter, 08MJ-08MB	2	
6	AD-08MJ-08FJX-90	Adapter, 08MJ-08FJX 90	2	
7	AD-06MJ-04MB	Adapter, 06MJ-04MB	1	
8	FLSHN-0.375-16C5	Nut, Ser Hex Flange 3/8-16 CZ5	2	30
9	FW-SAE-0.313C5	Washer, Flat SAE 5/16 CZ5	7	
10	HB-0.313-18X0.75C5	Bolt, Hex Hd 5/16-18x3/4 CZ5	7	20
11	FLSHN-0.500-20C5	Nut, Ser Hex Flange 1/2-20 CZ5	1	65

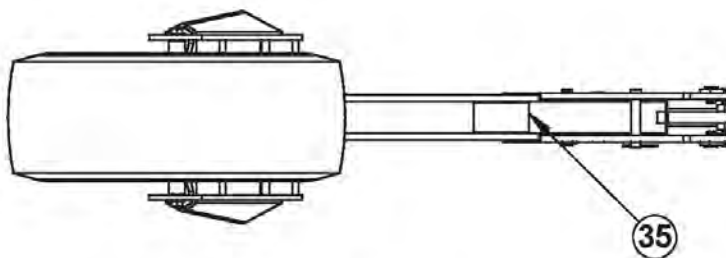
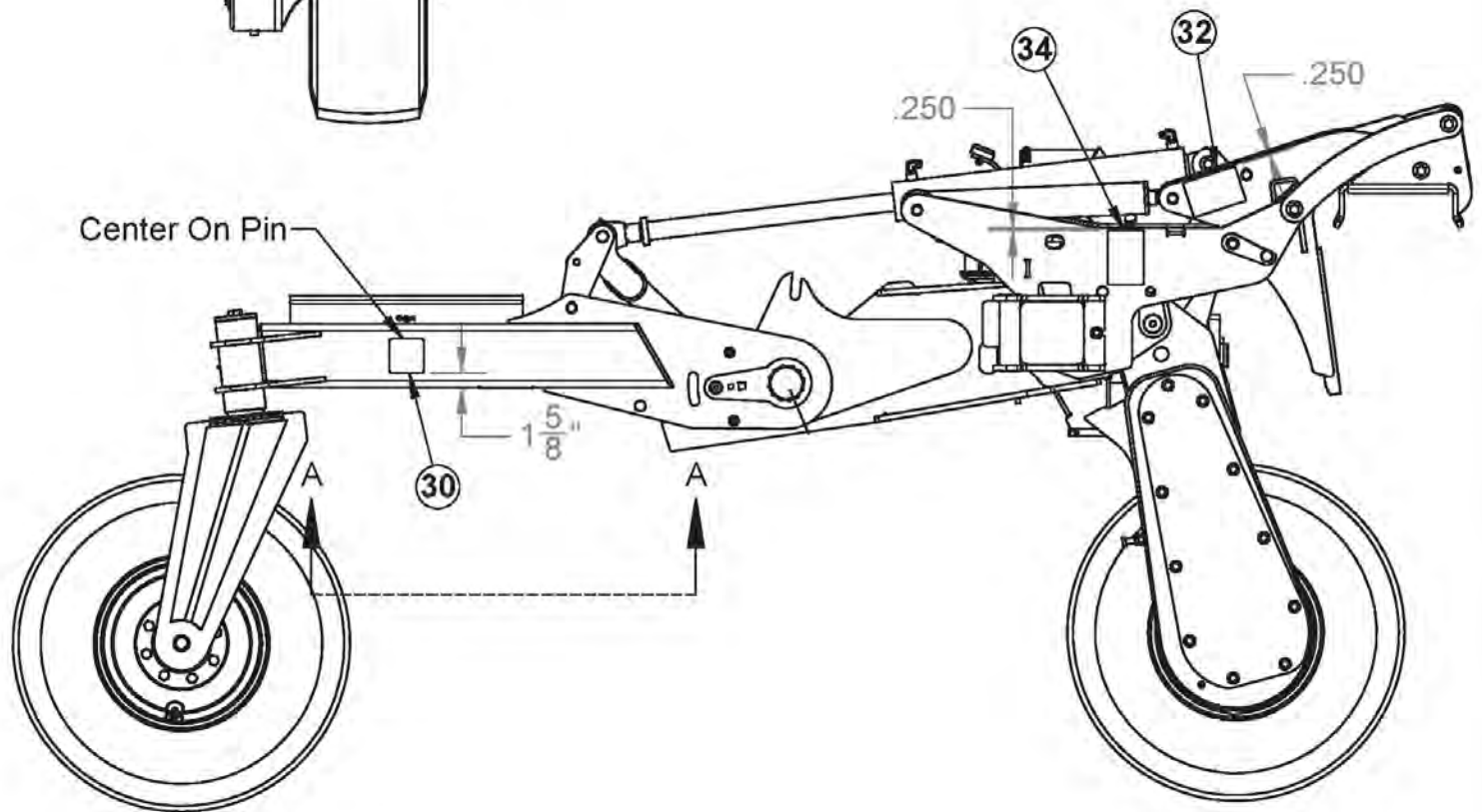
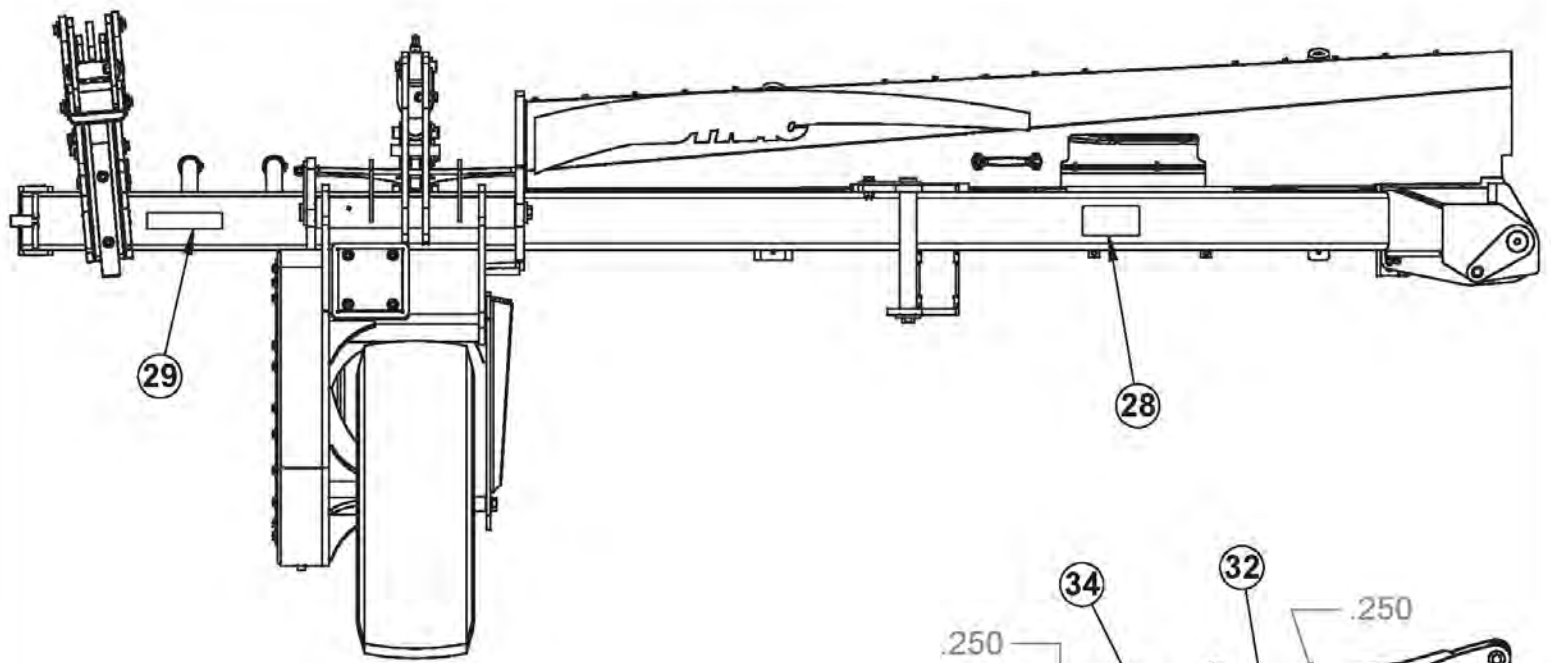
Note:

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.



TA01617 Assy, 24R22 RH Wing Base

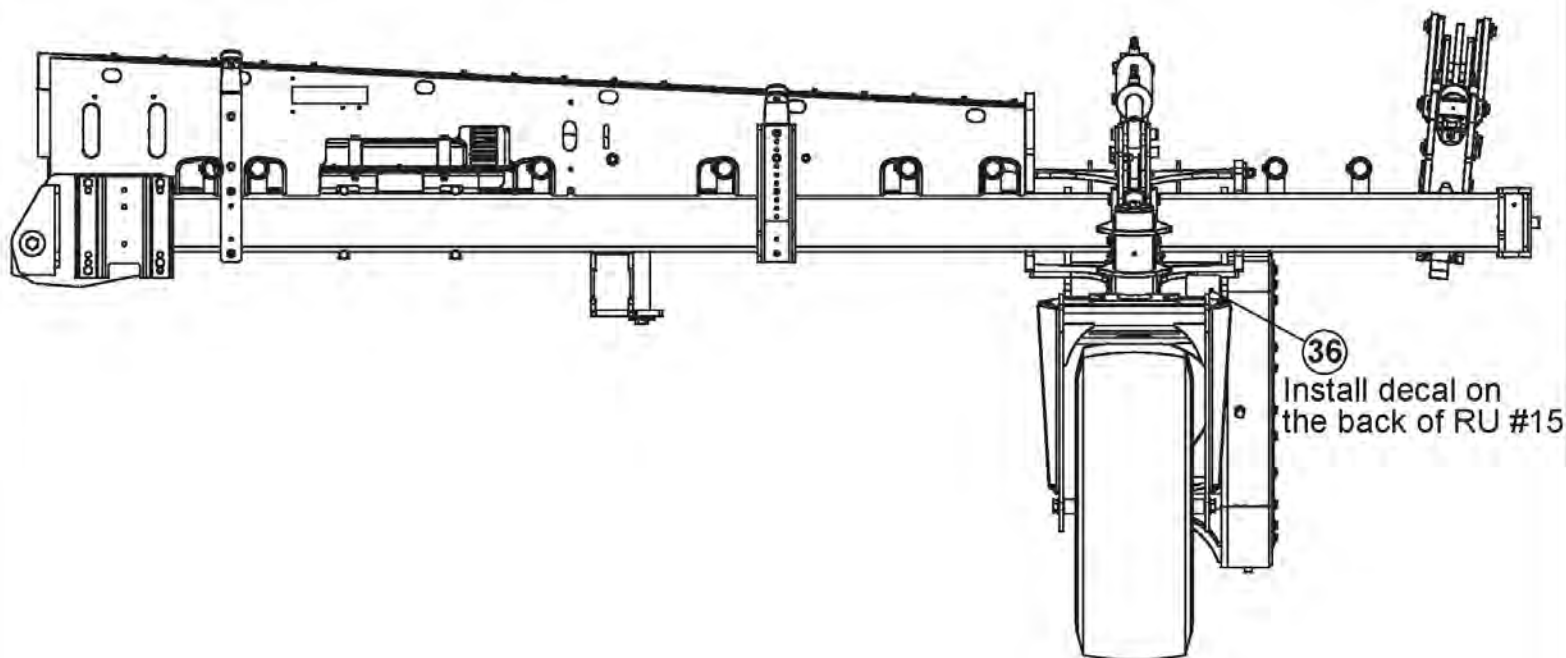
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73368118	Cap, Case IH 7x7 Tube	1	
2	AD-06MJ-06MJ-06FJX	AD-06MJ-06MJ-06FJX	1	
3	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
4	AD-08MJ-08MB-08MJ	ADAPTER 08MJ-08MB-08MJ TEE	2	
5	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	1	
6	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
7	HB-0.500-13X5.00Y8	Bolt, Hex Hd 1/2-13x5 YZ8	2	
8	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
9	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	4	
10	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
11	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
12	HB-0.625-11X2.75Y8	Bolt, Hex Head-5/8-11x2.75-YZ8	1	
13	HB-0.625-11X8.00Y8	Bolt, Hex Hd-5/8-11x8-YZ8	4	
14	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	3	
15	HCLMP-SAE-32SS	HClamp-SAE-32-SS	8	
16	HCLMP-SAE-612SS	HClamp-SAE-612-SS	1	
17	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
18	HDWSH-0.89X2.50Y	HD Washer 0.89 x 2.50	1	
19	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00	2	
20	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	1	
21	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	2	
22	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	8	
23	PIN-1.000X4.13Y	PIN-1.000X4.13Y	1	
24	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	4	
26	T0050854	Anti Rotation Insert	4	
27	T0051288	Tap Bar	2	
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051729	Decal, Reflector, Yellow-2x9	1	
30	T0051737	Decal, Warn CrshHaz Serv WngWhl	1	
31	T0052718	Linkage, Transport Lock	1	
32	T0052802	Decal, Warn-Crush Haz Lift Cyl	1	
33	T0053164	Linkage, Wing Lift	2	
34	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
35	T0053939	Decal, Warn Crsh Wng Whl Set	1	
36	T0053942	Decal, Danger-Wing Crsh Hzd	1	
37	T0055243	Brkt, RU Mtg	1	
38	T0055283	Seal, Vacuum Fan	1	
39	TA00963	Cylinder, Hyd 3.00X20.00	1	
40	TA00979	Assy, Wing Engagement	1	
41	TA00980	Wing Lift Assy	1	
42	TA01208	Fan, Vacuum w/Motor 6cc	1	
43	TA01380	Assy, Wing Wheel	1	
44	TA01624	Assy, 24R22 RH Wing Shield	1	
45	TA01695	Assy, RH Fan&Meter Cntl Valve	1	
46	TW000611	Pin Weldment	1	
47	TW000717	Pin Weldment	1	
48	TW000794	Pin Weldment	1	
49	TW000906	Pin Weldment	1	
50	TW001274	Wldmt, 24R22 RH Wing	1	

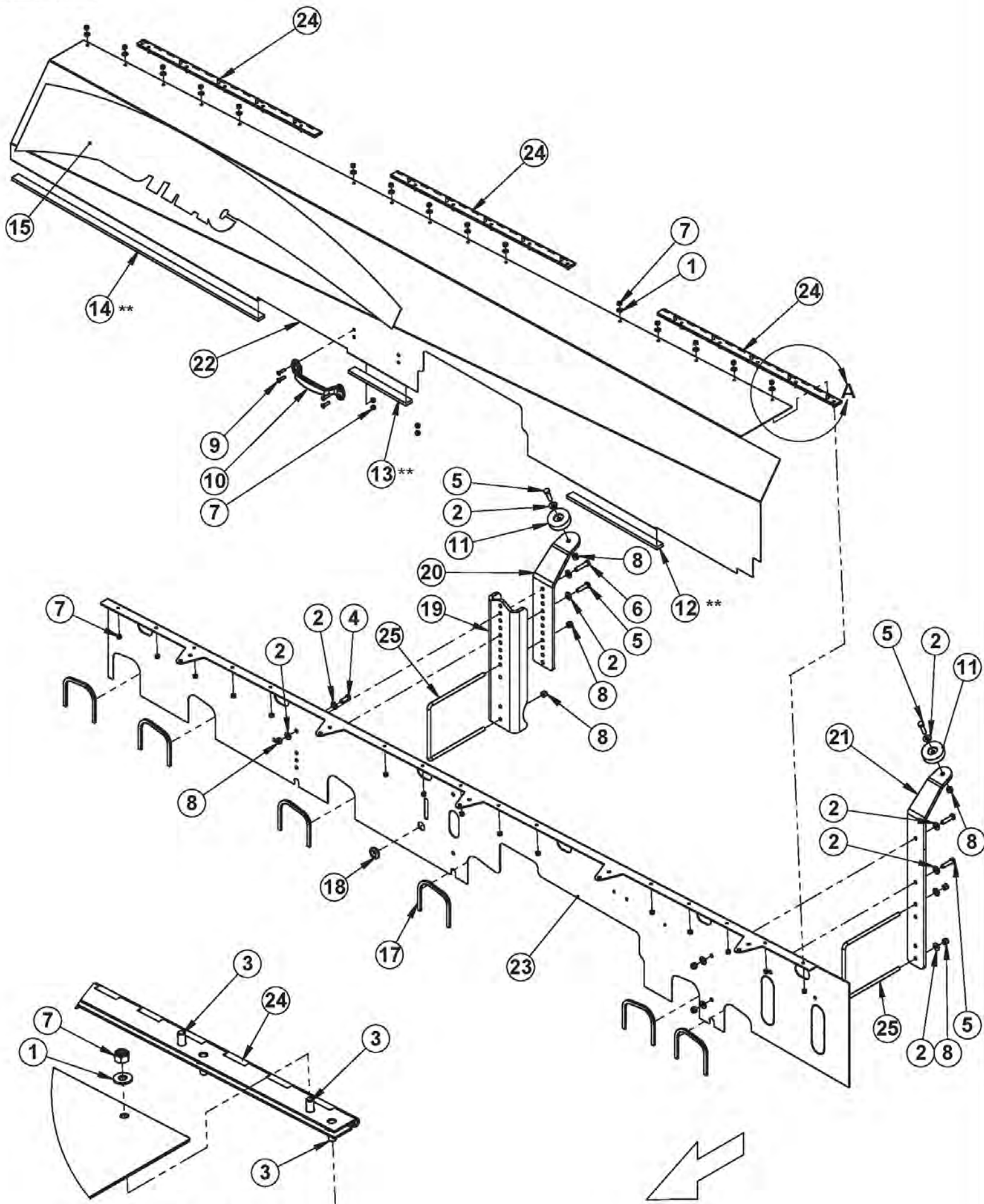


VIEW A-A
SCALE 1 : 21

TA01617 Assy, 24R22 RH Wing Base

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051729	Decal, Reflector, Yellow-2x9	1	
30	T0051737	Decal, Warn CrshHaz Serv WngWhl	1	
32	T0052802	Decal, Warn-Crush Haz Lift Cyl	1	
34	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
35	T0053939	Decal, Warn Crsh Wng Whl Set	1	
36	T0053942	Decal, Danger-Wing Crsh Hzd	1	





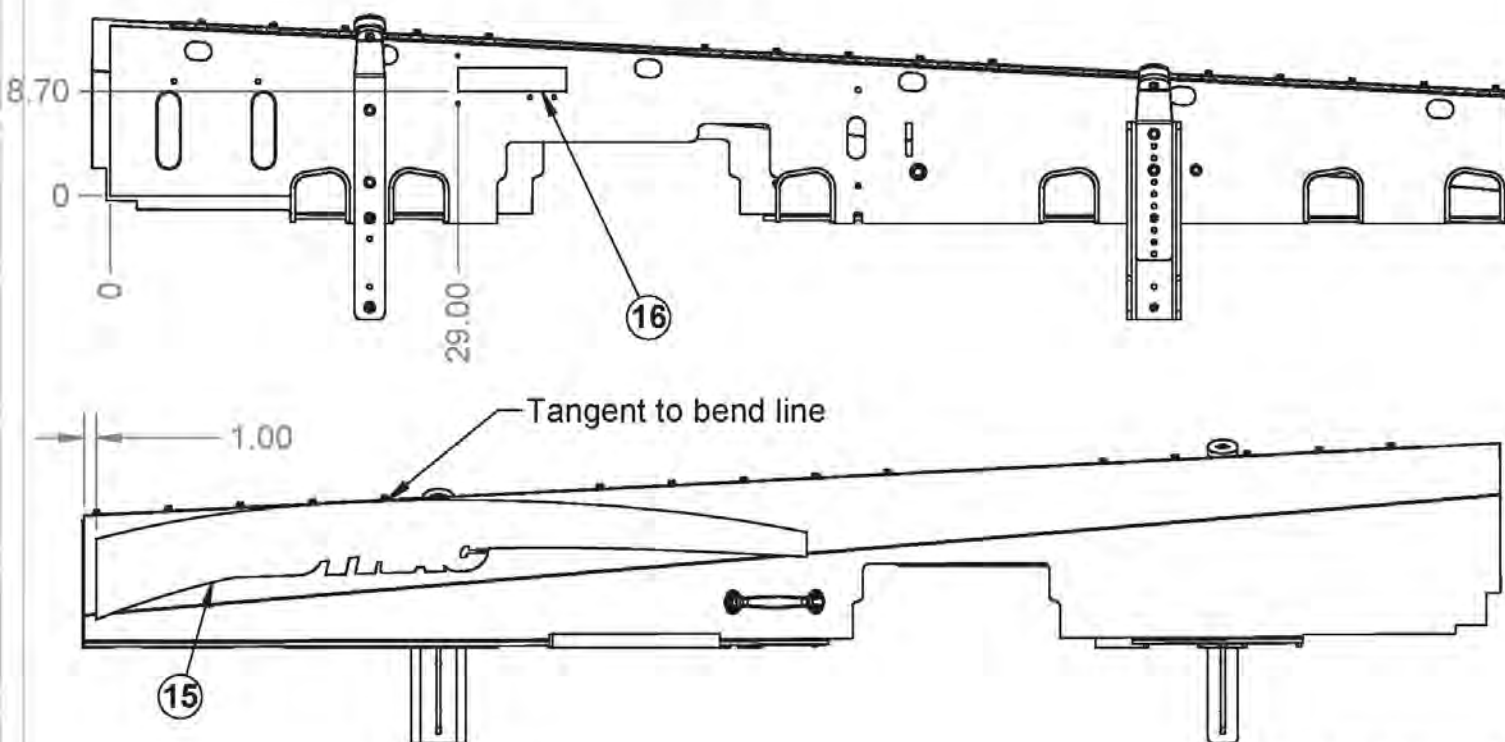
DETAIL A
SCALE 1 : 4

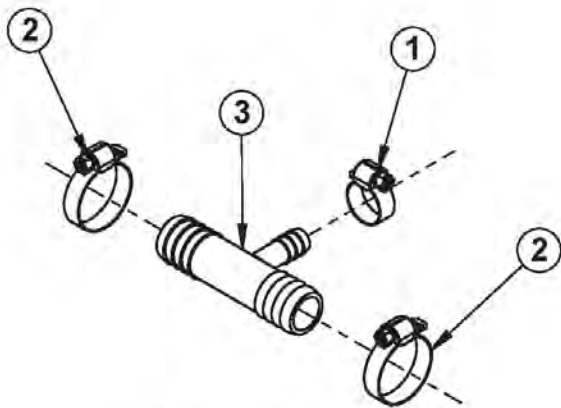
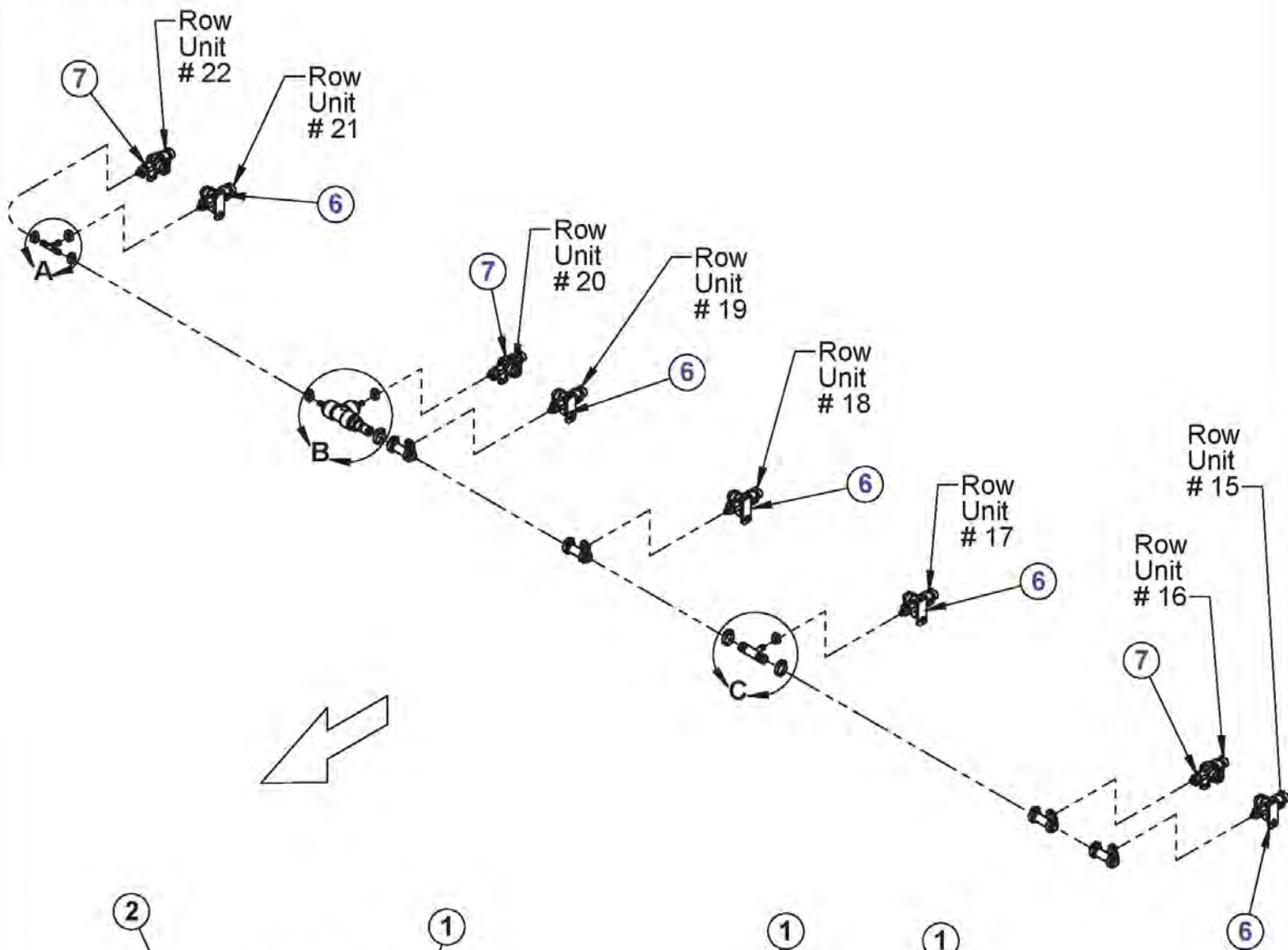
TA01624 Assy, 24R22 RH Wing Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	15	
2	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	12	
3	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2-YZ8	30	
4	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	1	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	5	
6	HB-0.375-16X1.75Y8	Bolt, Hex Hd-3/8-16x1-3/4-YZ8	1	
7	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	34	
8	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	9	
9	OHPMS-.250-20X1.00SS	Screw, Ovl Hd Mach 1/4-20x1 SS	4	
10	T0051467	Handle	1	
11	T0051481	Rubber Stop	2	
12	T0051552	Cut Length 14.20"	1	
13	T0051552	Cut Length 9.05"	1	
14	T0051552	Cut Length 38.80	1	
15	T0051663	Decal, YieldTrac With Arch RH	1	
16	T0051729	Decal, Reflector, Yellow-2x9	1	
17	T0052395	U-Trim, 3/8x1/16 (per ft)	6	
18	T0053396	Grommet, Rubber	1	
19	T0054582	Shield Mount	1	
20	T0054583	Mount, Shield Bumper	1	
21	T0055228	Bumper Stop	1	
22	T0055246	Shield, 24R22 RH Wing	1	
23	T0055247	Panel, 24R22 RH Wing Back	1	
24	TA00851	Piano Hinge	3	
25	UB-0.38X7.0X7.0-SY2	3/8 X 7 X 7 U Bolt	2	

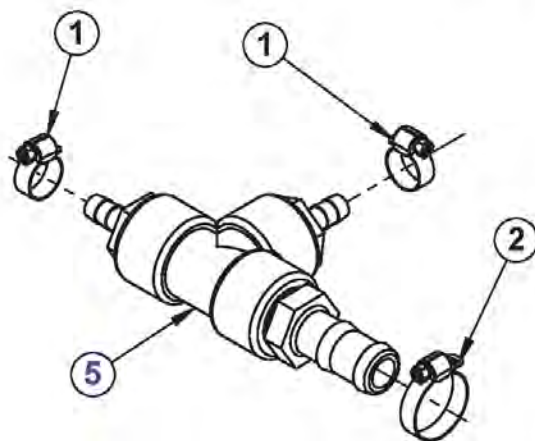
Note:

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. ** Sold as a roll, P/N T0051522, Gasket - Rubber (25' Roll)

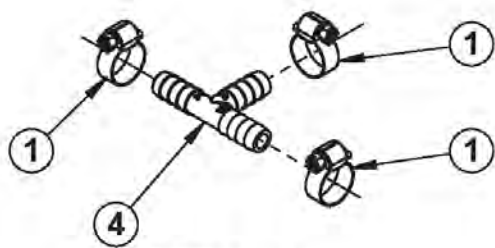




DETAIL C
SCALE 1 : 3



DETAIL B
SCALE 1 : 3



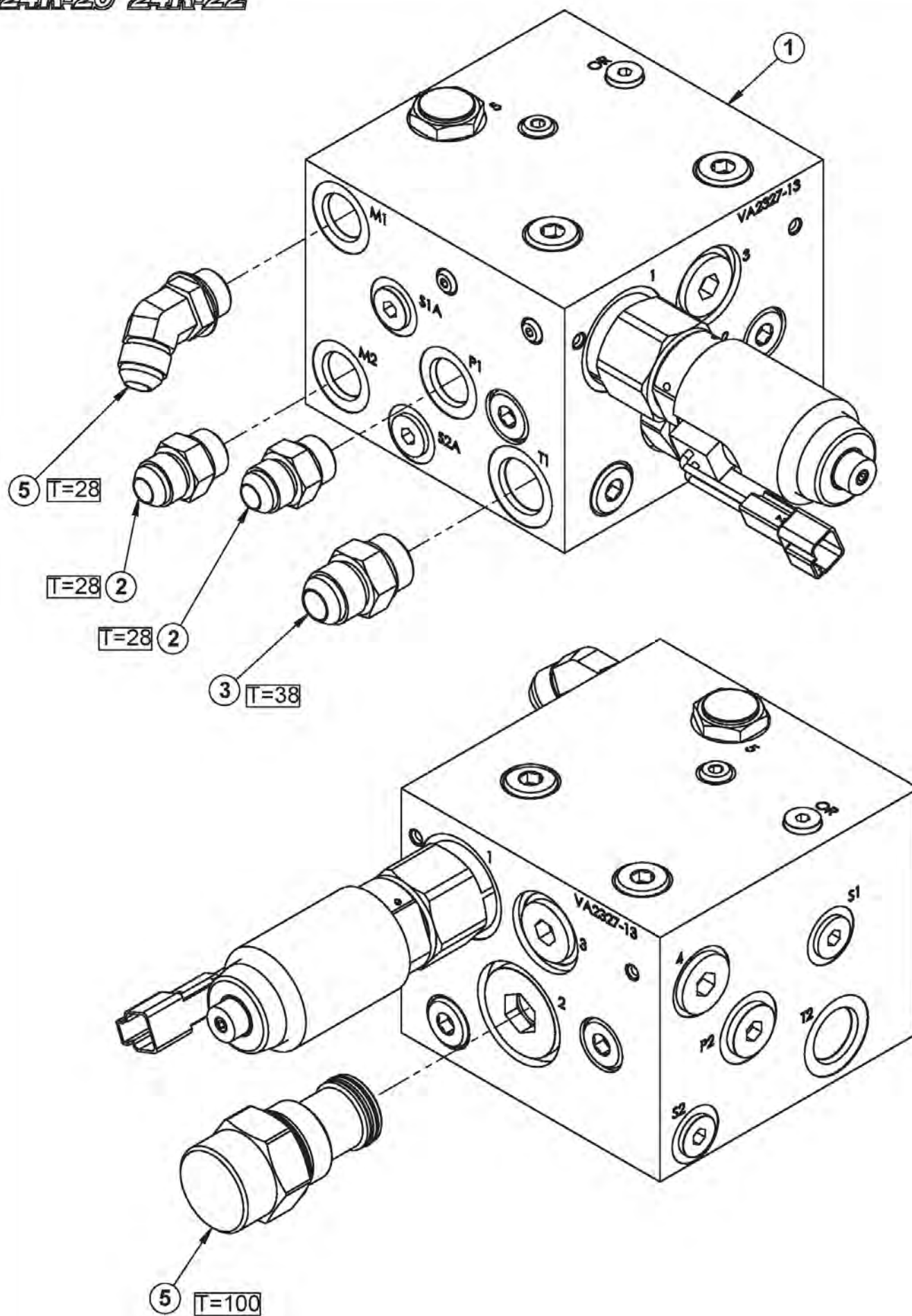
DETAIL A
SCALE 1 : 3

TA01856 Assy, 24R22 RH Wing Fert

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HCLMP-SAE-06SS	Hose Clamp, SAE #6-SS	10	
2	HCLMP-SAE-12SS	Hose Clamp, SAE #12-SS	11	
3	T0052308	Barbed Tee 3/4" x 3/4" x 3/8"	5	
4	T0055837	Fitting, 3/8" Hose Barb Tee	1	
5	TA01051	Assy, Mnfld End	1	
6	TA01633	Assy, RH Fert Check Valve	5	
7	TA01634	Assy, LH Fert Check Valve	3	

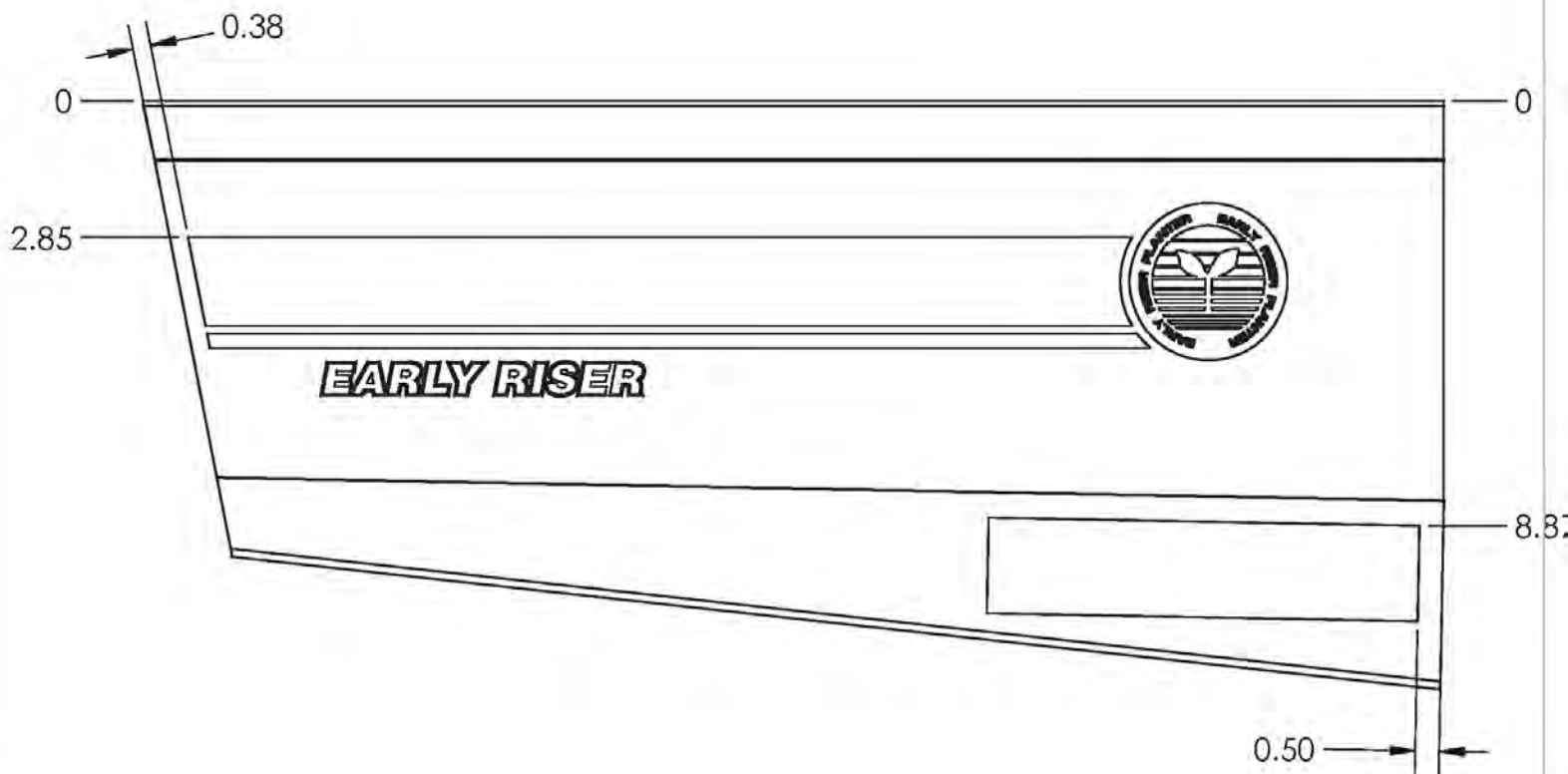
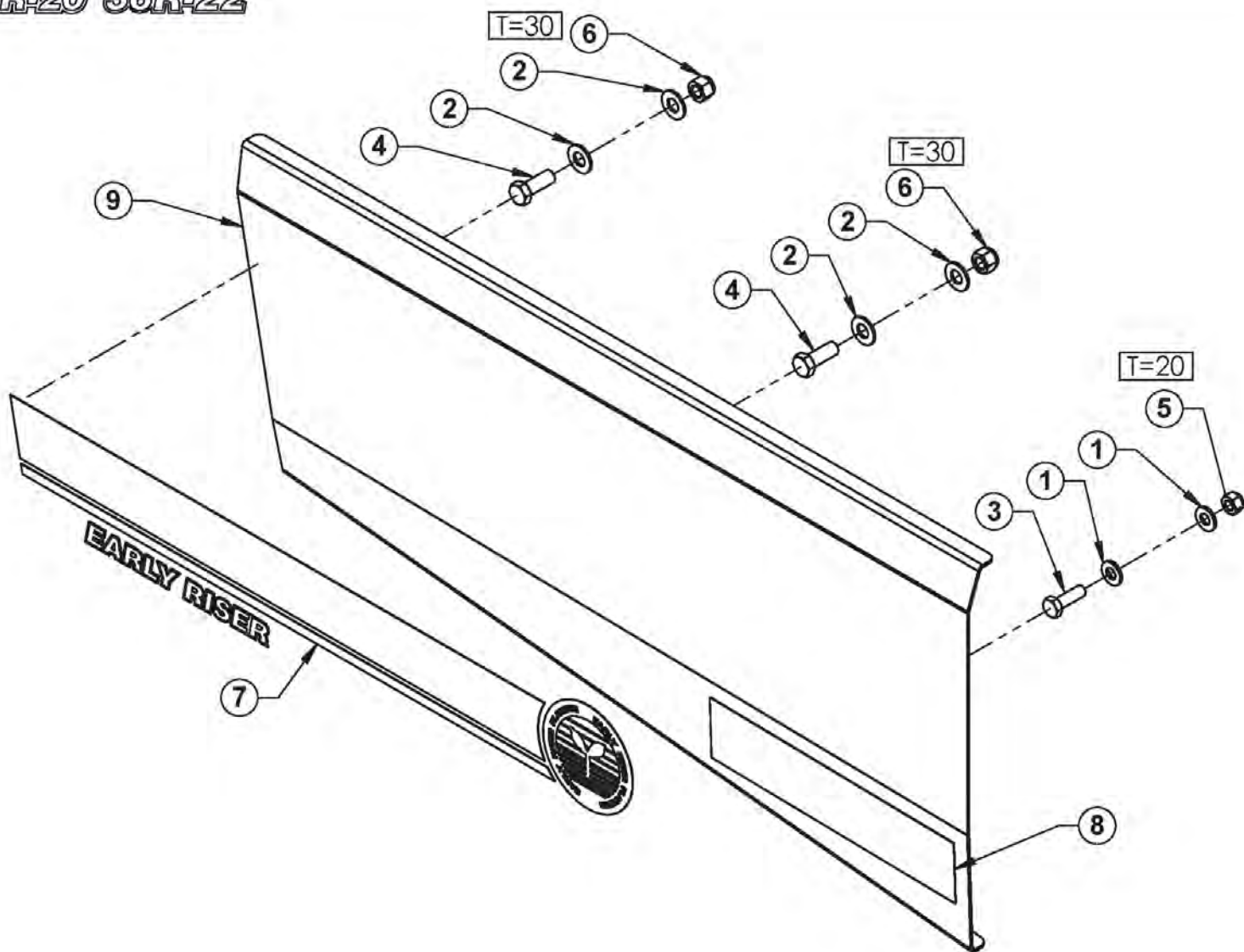
Note:

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TA01695 Assy, RH Fan&Meter Cntl Valve

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0054381	Assy, Fan Ctrl Valve	1	
2	AD-08MJ-08MB	ADAPTER 08MJ-08MB	2	28
3	AD-10MJ-10MB	ADAPTER 10MJ-10MB	1	38
4	T0055197	Cartridge, Flow Control 9.0 GPM	1	100
5	AD-08MJ-08MB-45	ADAPTER 08MJ-08MB 45	1	100

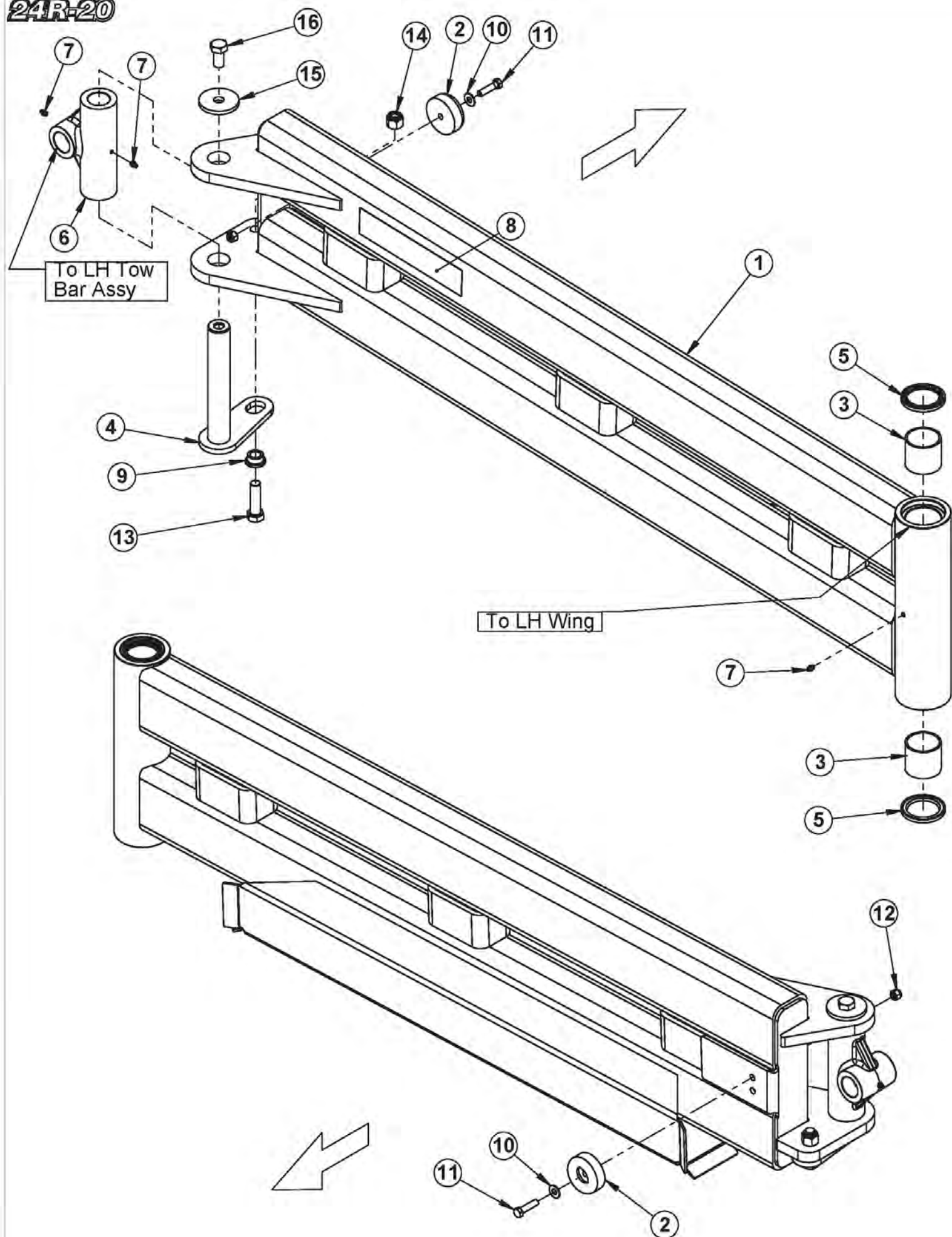


TA00676 Assy, Row Unit End Plate-RH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.313Y	Washer, SAE Flat 5/16" YZ	2	
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
3	HB-0.313-18X1.00Y8	Bolt, Hex Hd 5/16-18x1-YZ8	1	
4	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	2	
5	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	1	20
6	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	3	30
7	T0051542	Decal, Early Riser Planter-RH	1	
8	T0051729	Decal, Reflector, Yellow-2x9	1	
9	TW000672	Wldmt, End Shield Row Unit-RH	1	

Note:

T = Torque Expressed in ft-lbs

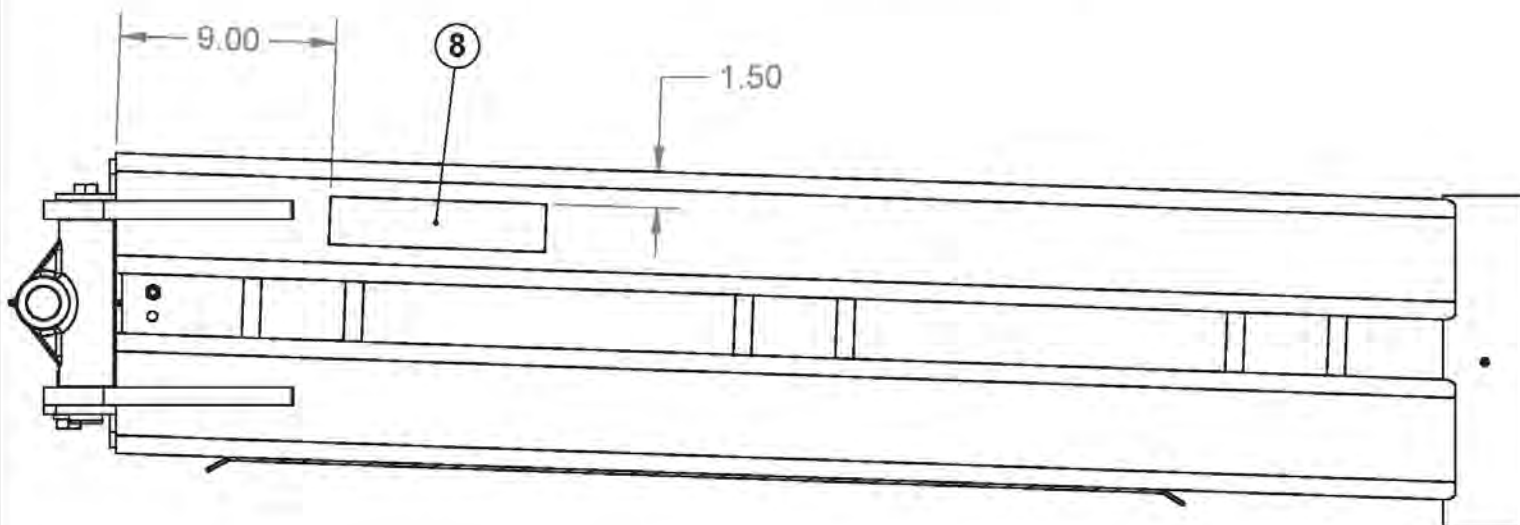


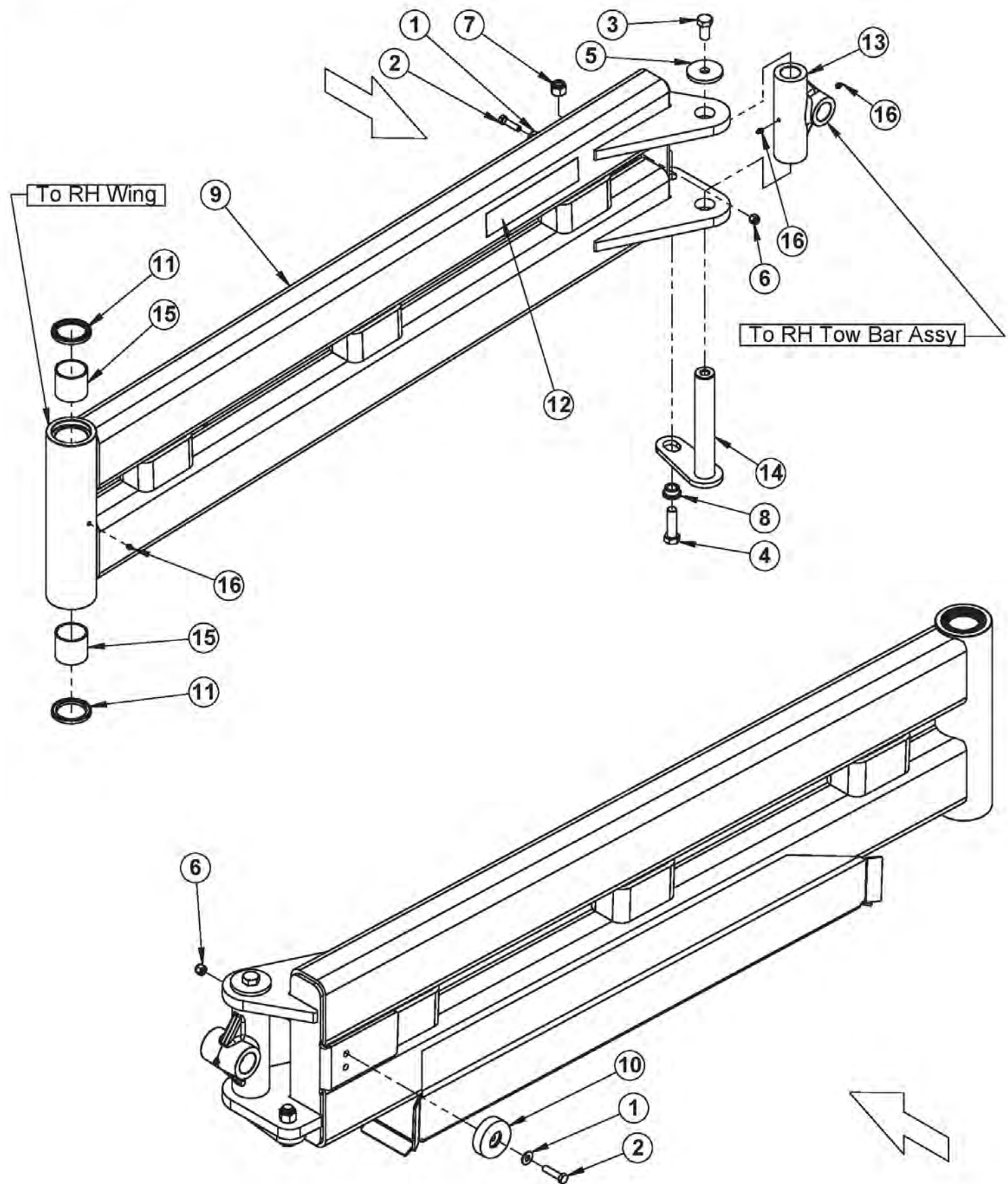
TA01382 Assy, Tow Bar Gate - LH

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.



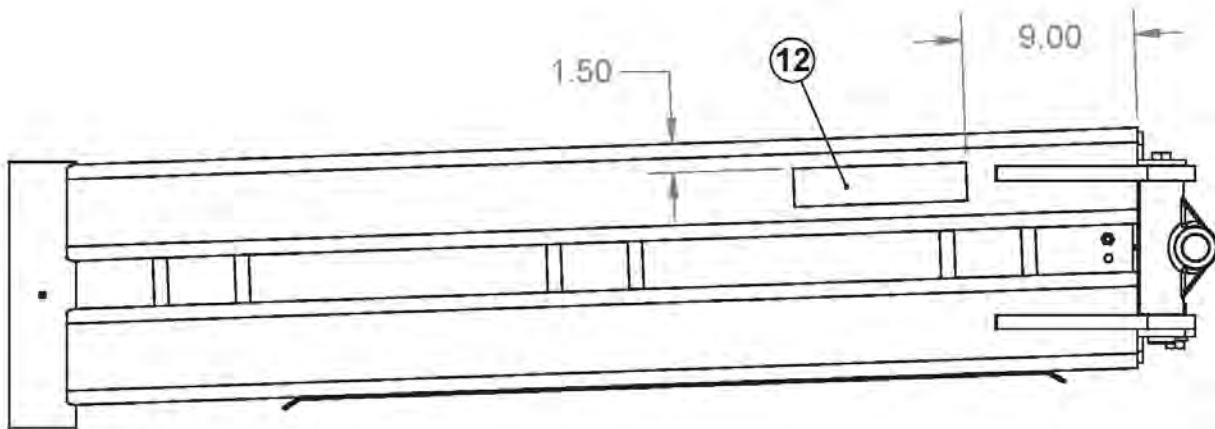


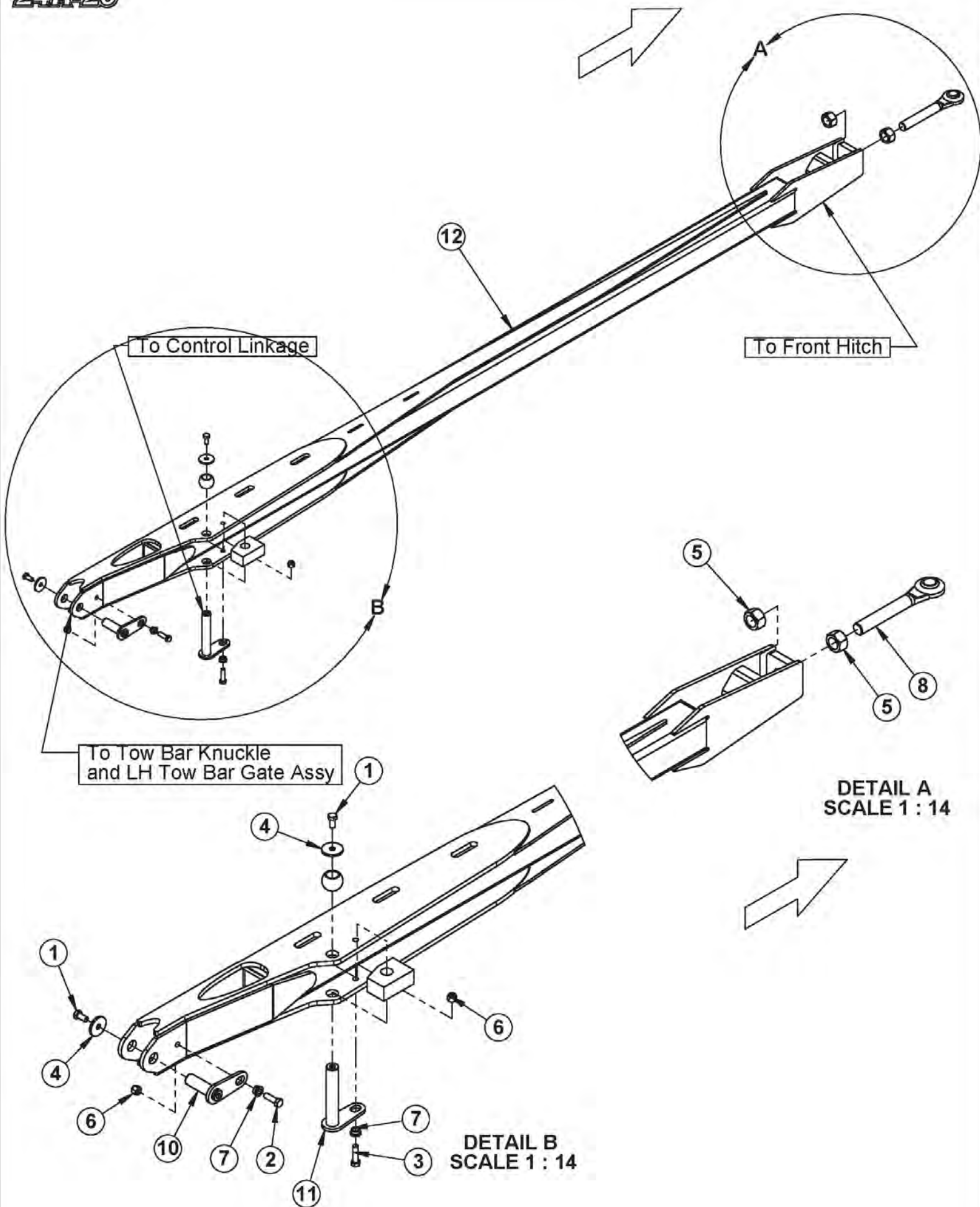
TA01383 Assy, Tow Bar Gate - RH

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	Wdmt, 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:

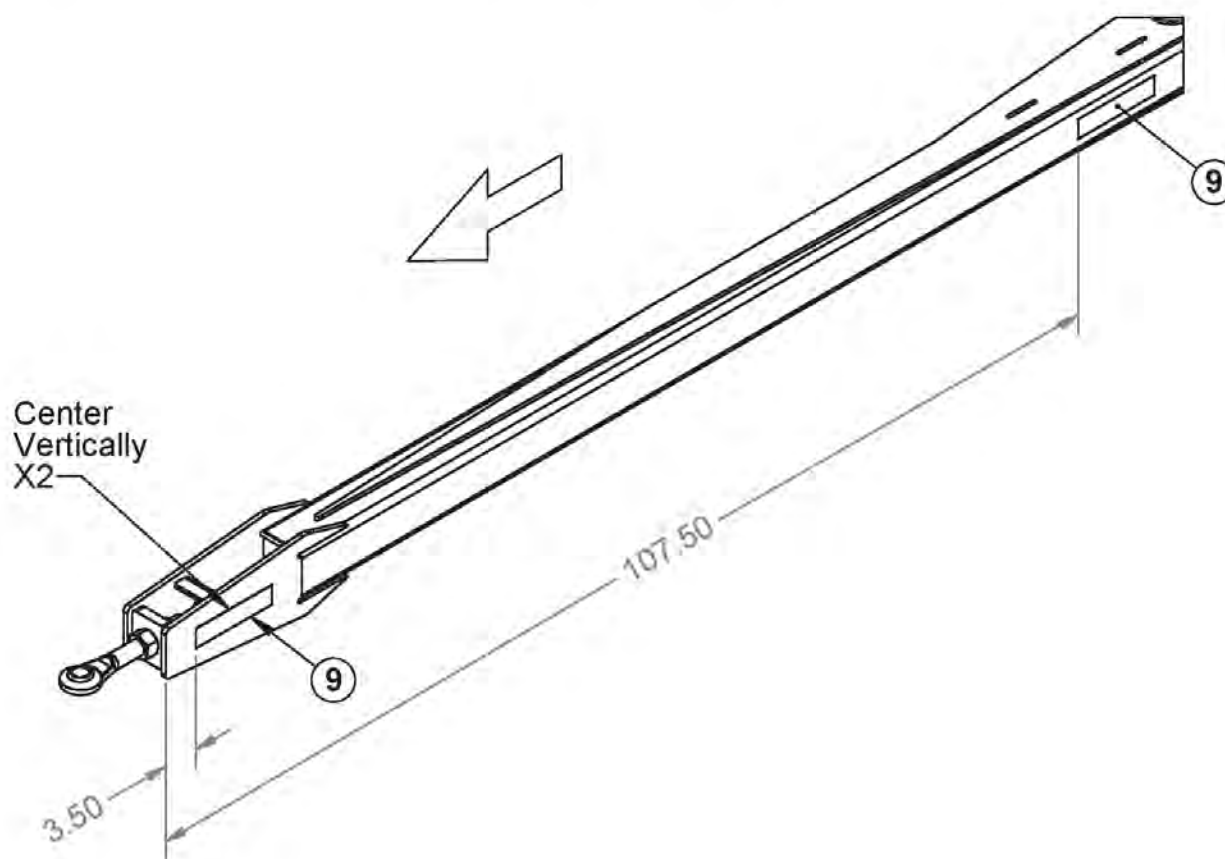
1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

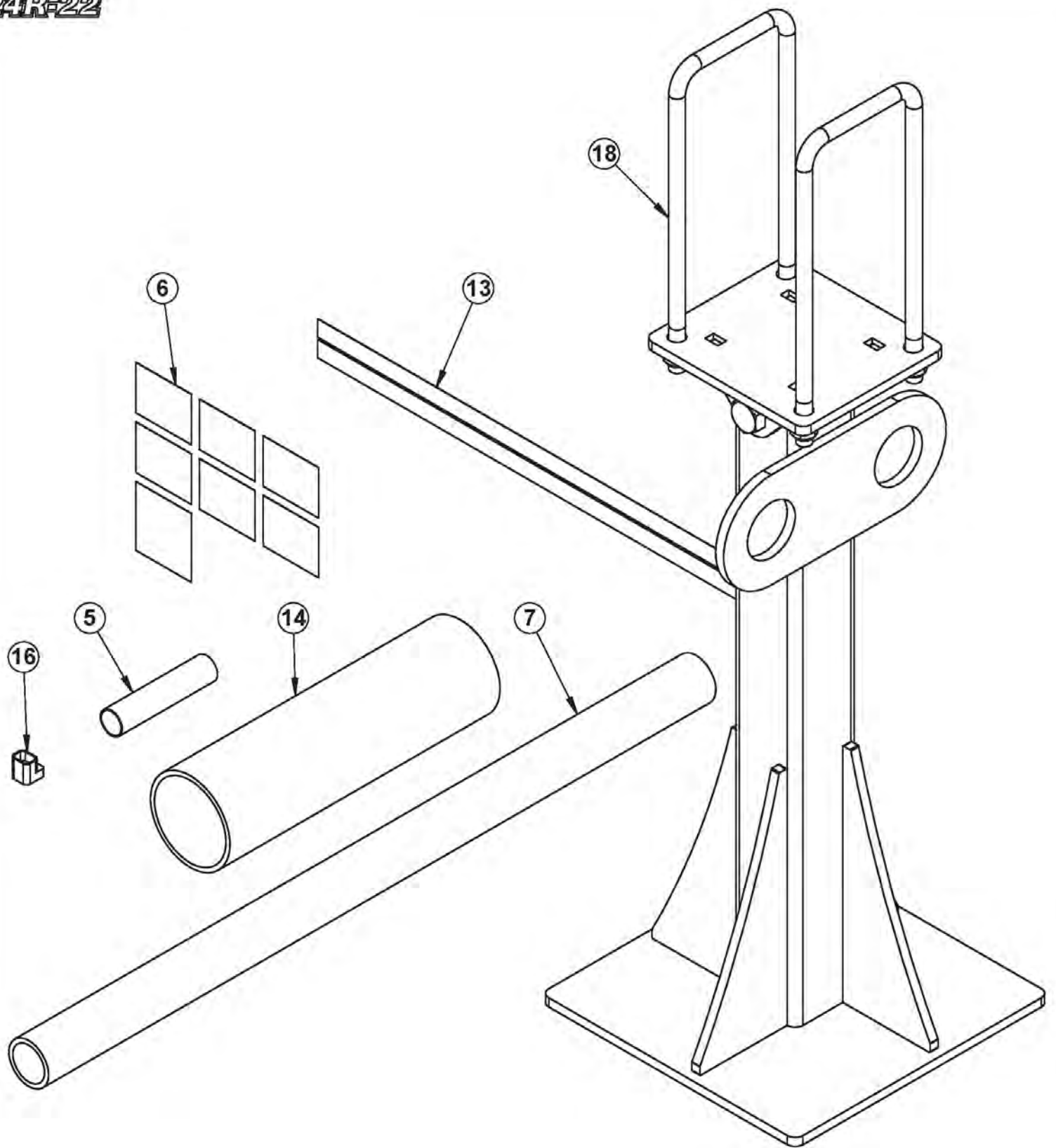




TA01384 Assy, Tow Bar

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	Wdmt, 24R20/22 Tow Bar	1	
13	T0053376	Block, Tow Bar	1	



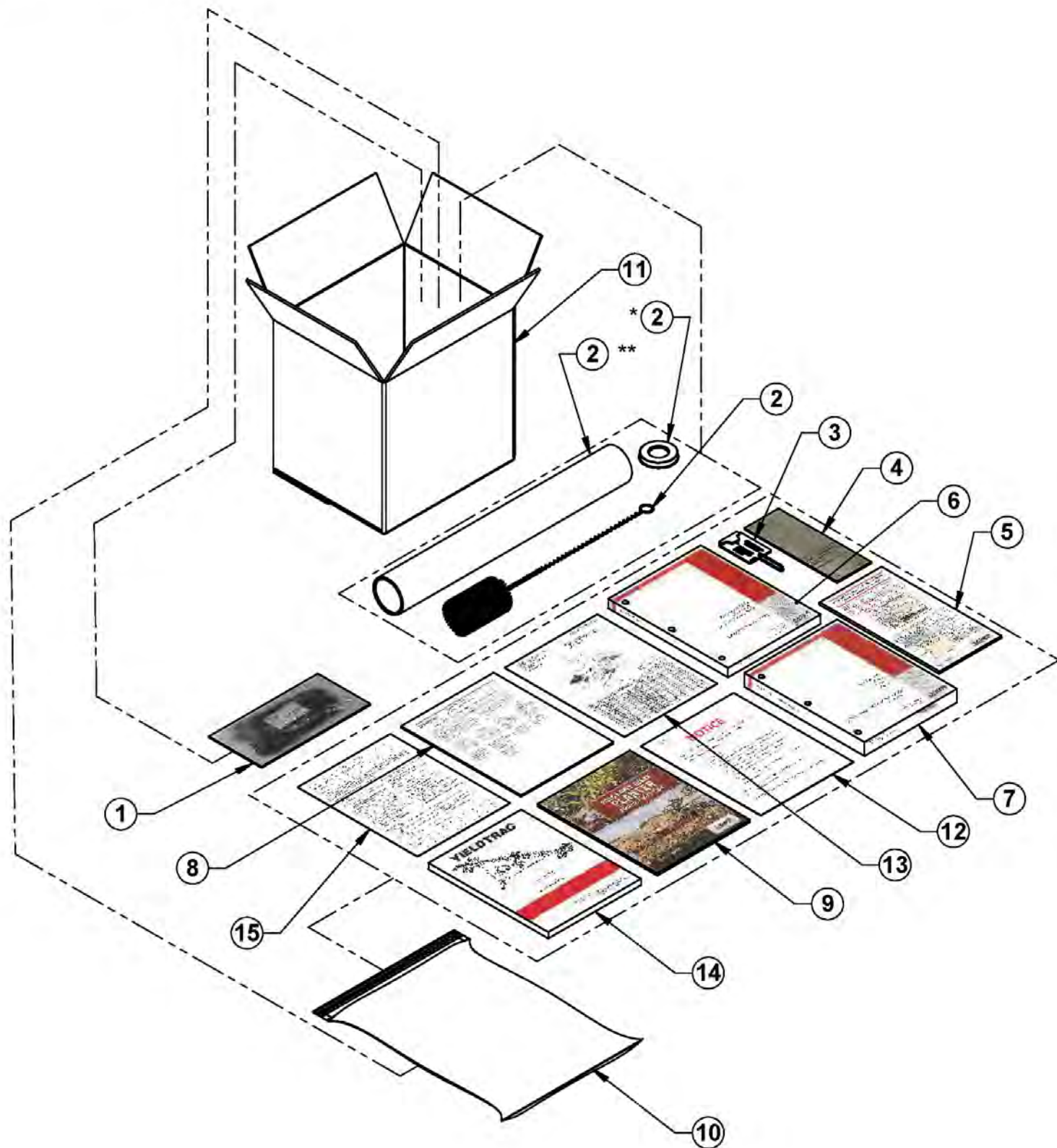


TA01778 Assy, Bulk Material 24R22

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	73341728	Bulk Oil, UltrAction (per gal)	15	
2	84540062	Harness, Toolbar 24-Row 1200	1	
3	T0051505	Harness - Speed Sensor Extension 20'	2	
4	T0051552	Sticker-Tite Rubber Gasket Cut Length 36.63"	25	
5	T0051572	Hose Sleeve - 1.25" ID x 6.00"	24	
6	T0051654	Decal Kit, Hose ID	1	
7	T0051670	Hose, Vacuum 2" (per ft)	75	
8	T0051672	Hose, 1.00" PVC (per ft)	500	
9	T0052462	Harness, Height Sensor Ext.	1	
10	T0052516	Gear Lube 80W90 (per gal)	1	
11	T0052527	Harness, Calibration Ext.	1	
12	T0052528	Spiral Poly Wrap 1.00 (per ft)	40	
13	T0052540	Decals, 24 Row Unit Numbers	1	
14	T0054572	Hose, Vacuum 5.5" (per ft)	10	
15	T0054833	Harness, Frame Control CNH	1	
16	T0055034	Plug, Terminator	1	
17	T0055167	Harness, ISO Hitch 624"	1	
18	TA01705	Assy, Shipping Stand	1	
19	TA01779	Hose Kit, 24R22 Base	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.

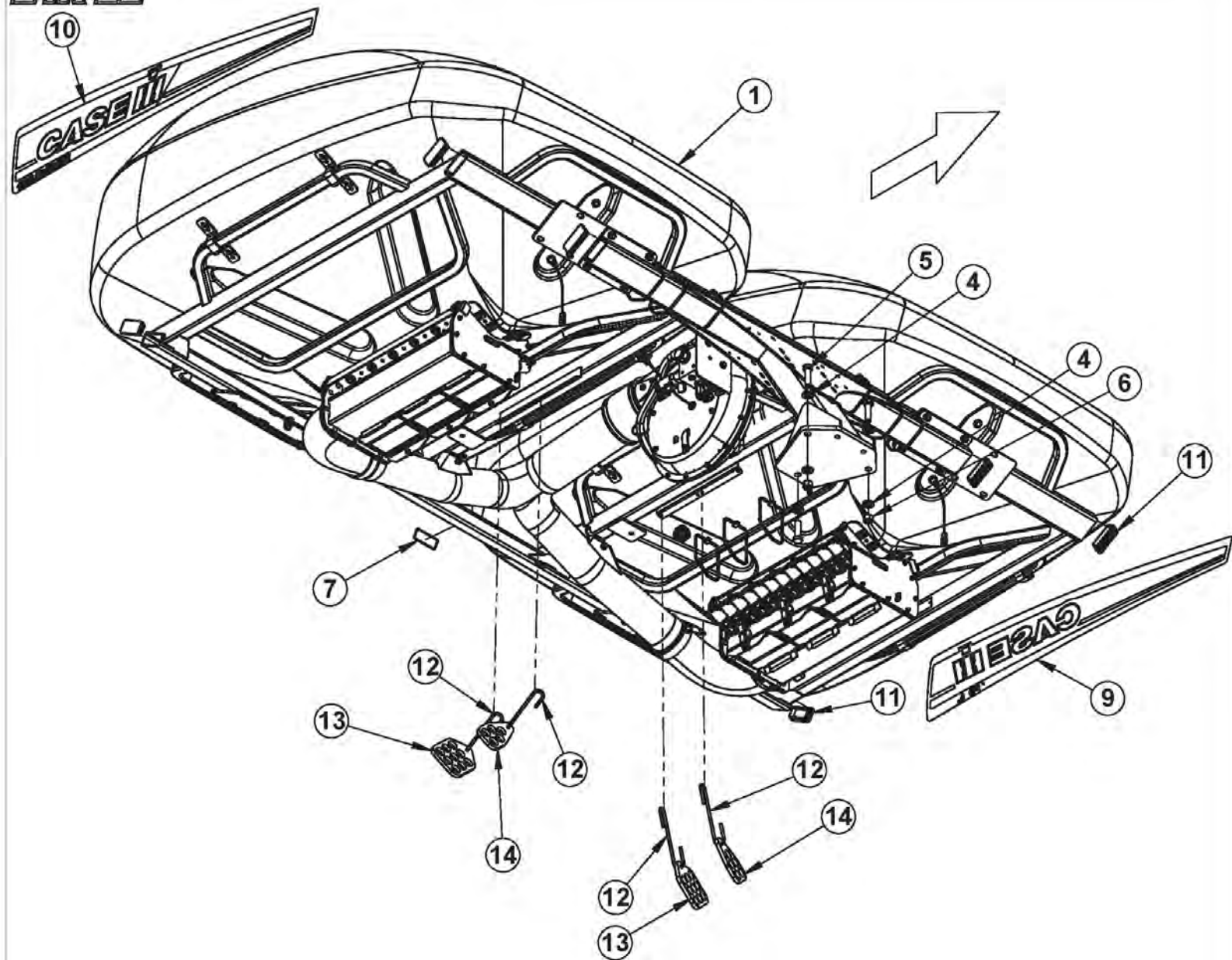


TA01780 Operator's Package 24R20/22

ITEM	PART NUMBER	DESCRIPTION	QTY
1	T0054395	Harness, Product Calibration	1
2	346290A1	Brush, Seed Tube	1
3	1958225C4	Firming Point Gauge	1
4	47403737	AFS Planting Software QRC	1
5	47454041	Early Riser AFS QRC v28	1
6	47747526	1255 Operator's Manual	1
7	47799612	Planter Software Manual v30	1
8	L-1381	HyPro Pump Manual	1
9	PL-3101-15	Early Riser Productivity Tips	1
10	T0051793	Bag, Recloseable-13"x18" 6Mil	1
11	T0051794	Box, Cardboard 12X10X12	1
12	T0052697	Notice, Track Alignment	1
13	T0055726	Chklst, Oper Pkg 24R20/22 2018	1
14	T0055725	Manual, Operator's 2018 FF	1
15	T0055155	Chcklst, PDI&Startup 2017	1

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

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

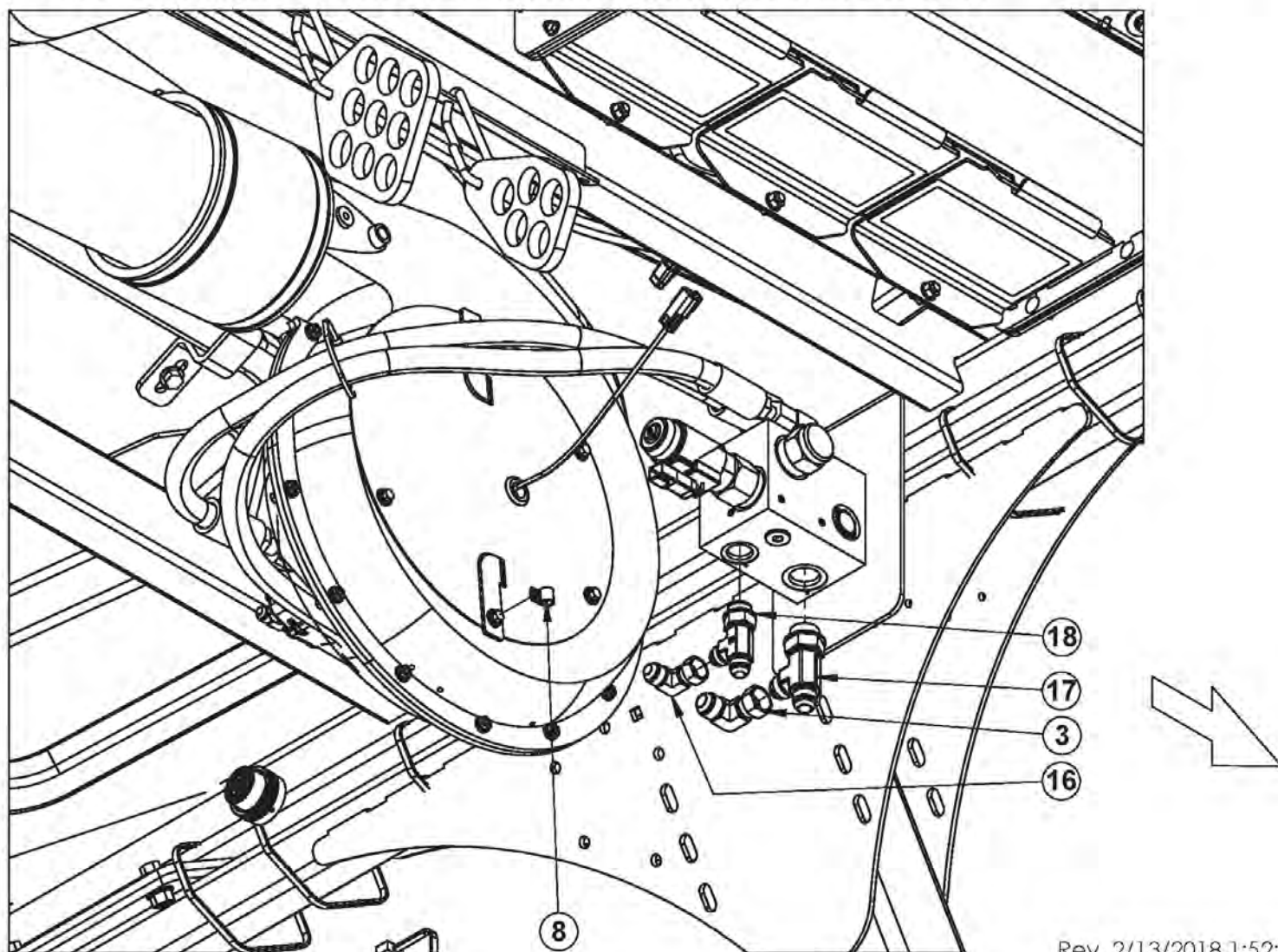


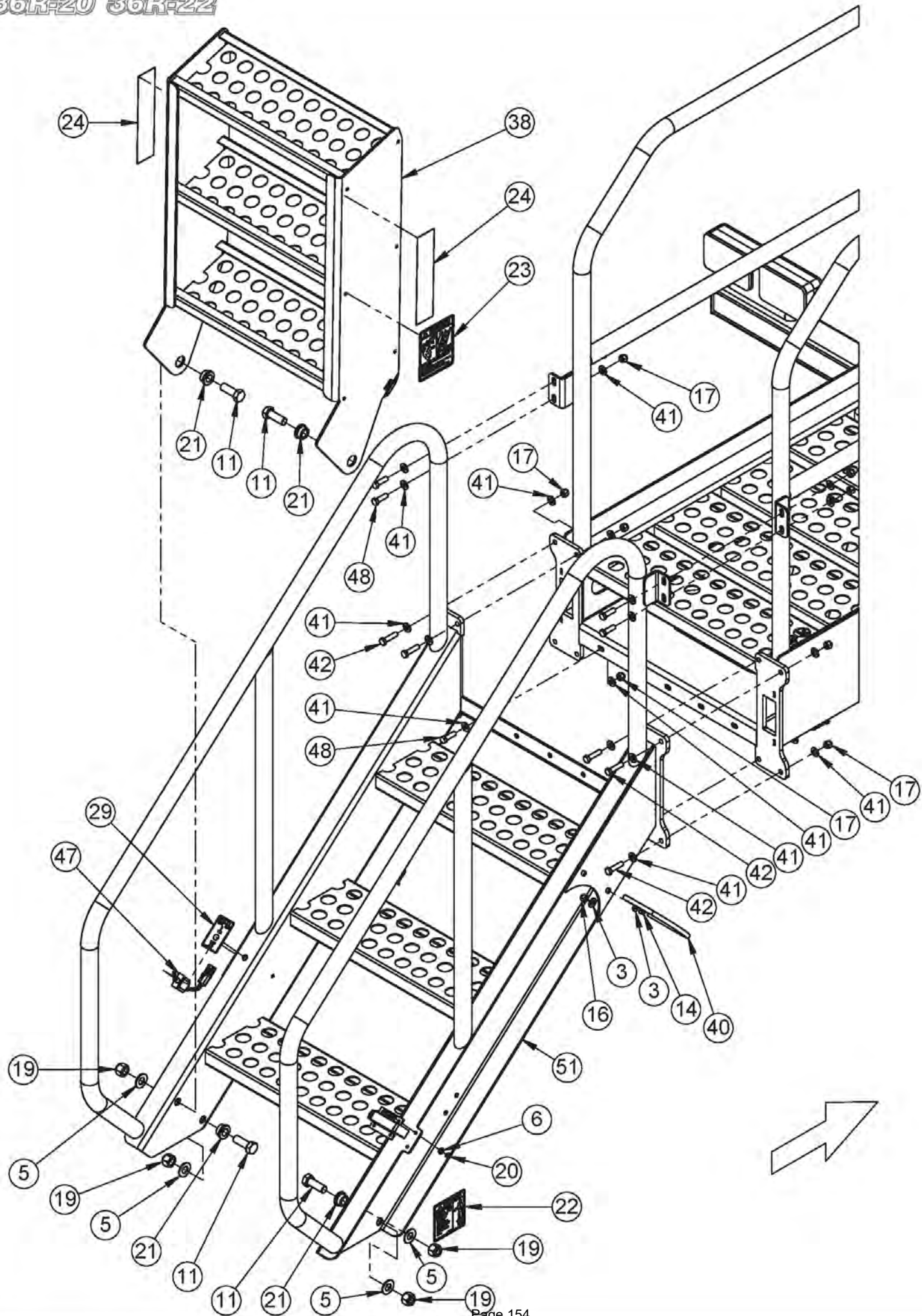
TA01672 Bulk Fill Assy (2000 w/1200 RU)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	48103239	CNH Bulk Fill	1	
2	87575102	HARNESS, FFT BULK FILL, ISOBUS	1	
3	AD-10MJ-10FJX-90	ADAPTER 10MJ-10FJX 90	1	
4	FW-SAE-0.750Y	Washer, Flat-SAE 3/4 YZ	6	
5	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4-YZ8	3	
6	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	3	
7	T0051653	Decal, No Step	1	
8	T0051717	P-Clamp, .3125 Ø.281 Hole	1	
9	T0052294	Decal, Bulk Fill LH	1	
10	T0052295	Decal, Bulk Fill RH	1	
11	T0052517	Plug, Rect Tube 2x4x6-8Ga	6	
12	T0052569	J-Hanger, Double	4	
13	T0052572	Seed Hose Hanger, Middle	2	
14	T0052573	Seed Hose Hanger, Middle Fr	2	
15	AD-06MJ-06MB-90	ADAPTER 06MJ-06MB 90	1	
16	AD-08MJ-08FJX-90	ADAPTER 08MJ-08FJX 90	1	
17	AD-10MJ-12MB-10MJ	ADAPTER 10MJ-12MB-10MJ TEE	1	
18	AD-08MJ-10MB-08MJ	AD-08MJ-10MB-08MJ	1	

Note:

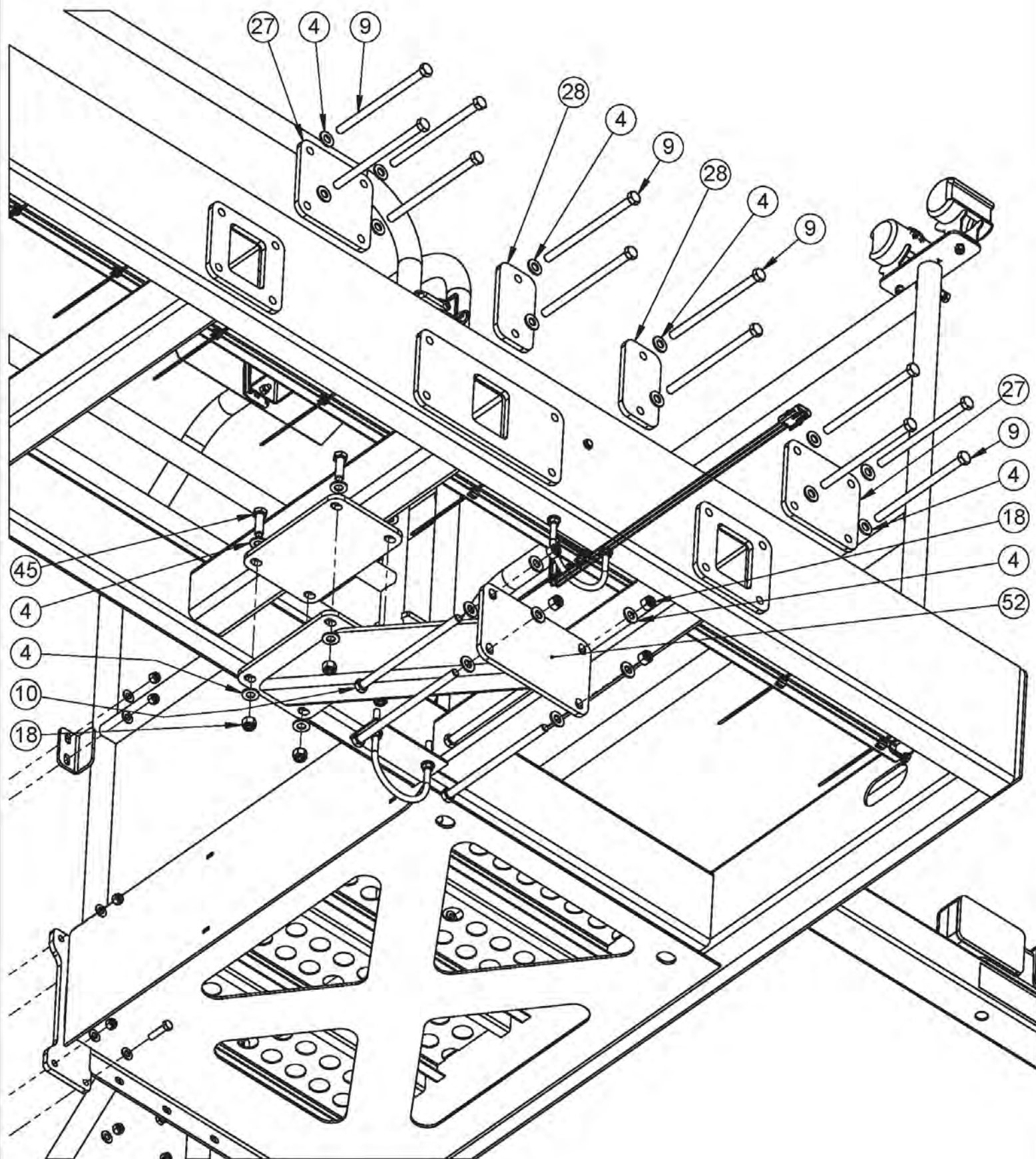
1. [T=XXX] = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
2. * Items marked with an asterisk are items that are included in that particular part or assembly.



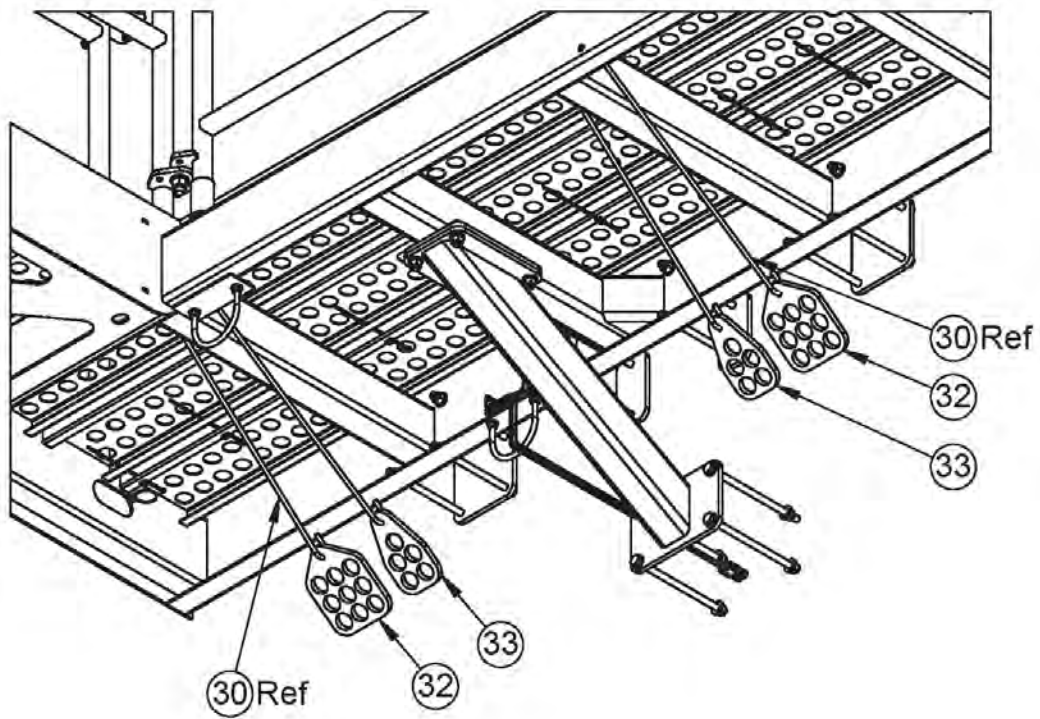


TA01246 Assy, Ladder Platform

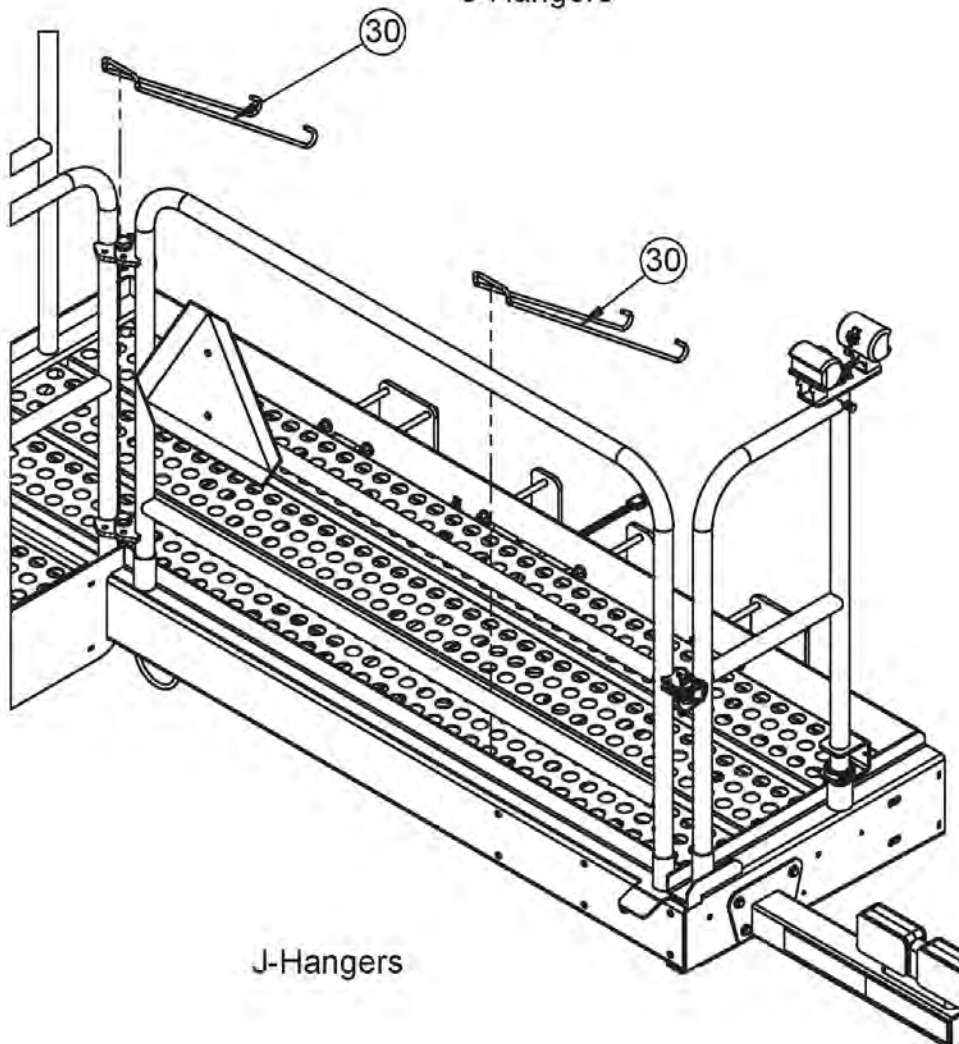
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	CBLTIEMT-256-276-HL	Assy,CableTie Mnt.031-276 PT	4	
2	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	5	
3	FW-SAE-0.375SS	Washer, Flat SAE 3/8" SS	12	
4	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	40	
5	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
6	FW-SAE-#10C	Washer, Flat SAE #10 CZ	4	
7	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	1	
8	HB-0.250-20X1.00Y8	Bolt, Hex Hd 1/4-20x1-YZ8	2	
9	HB-0.500-13X8.00Y8	Bolt, Hex Hd 1/2-13x8 YZ8	12	
10	HB-0.500-13X9.00Y8	Bolt, Hex Hd 1/2-13x9 YZ8	4	
11	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	4	
12	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
13	HB-10-24X0.75C2	Bolt,HexHd 10-24x3/4 Cl Zc Gr2	4	
14	HNUT-0.375-16SS	Nut, Hex 3/8-16 SS	6	
15	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	3	
16	NLNUT-0.375-16SS	Nut, Nylock -3/8"-16-SS	6	
17	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	17	
18	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	20	
19	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	6	
20	NLNUT-10-24C	Nut, Nylock 10-24 CZ2	4	
21	T0050854	Anti Rotation Insert	6	
22	T0051589	Decal, Warning-Chemical Hazard	1	
23	T0051596	Decal, Warning - Ladder Lowering	1	
24	T0051729	Decal, Reflector,Yellow-2x9	2	
25	T0052167	Cap, Tube Ø1.50 Vinyl	3	
26	T0052227	Latch,Flush Fngr Pull Slim 25#	1	
27	T0052241	Plate, Ladder Attachment	2	
28	T0052242	Plate, Ladder Attach	2	
29	T0052291	Decal, Ladder Platform Lights	1	
30	T0052570	J Hanger, Double Straight	2	
31	T0052571	Seed Hose Hanger, Stub Arm	2	
32	T0052572	Seed Hose Hanger, Middle	2	
33	T0052573	Seed Hose Hanger, Middle Fr	2	
34	TA00678	Assy, SMV Sign	1	
35	TA00791	Assy, Lynch Pin & Lanyard	2	
36	TA00811	Assy, Tail Light-LH	1	
37	TW000753	Wdmnt, Railing Rear Hinged	1	
38	TW000762	Wdmnt, Folding Step Ladder	1	
39	TW000877	Wdmnt, Railing Side-RH Rotating	1	
40	UB-0.38X4.0X5.5-RC5	Ubolt, 3/8x4x5-1/2 RC5	3	
41	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	34	
42	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	8	
43	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
44	RN-0.375-16-.15-.31Y	Rivnut, 3/8-16 .150-.312 YZ	4	
45	HB-0.500-13X1.63Y8	Bolt, Hex Hd 1/2-13x1-5/8 YZ8	4	
46	EDGCLP-CBLTIE-.04-.18	Edge Clip, W/CblTie PT.04-.18	10	
47	T0053647	Switch, On/Off W Boot	1	
48	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	9	
49	SFTCOLLAR-1.500BO	Collar, Shaft 1-1/2 Black Oxide	1	
50	TW000913	Wdmnt, Ladder Platform	1	
51	TW000917	Wdmnt, Platform Stairs	1	
52	TW000931	Wdmnt, Platform Strut	1	
53	TA00996	Harness, Bulk Fill Lights	1	
54	TA00812	Assy, Tail Light-RH	1	
55	TA01247	Assy, Light Arm Extension	2	

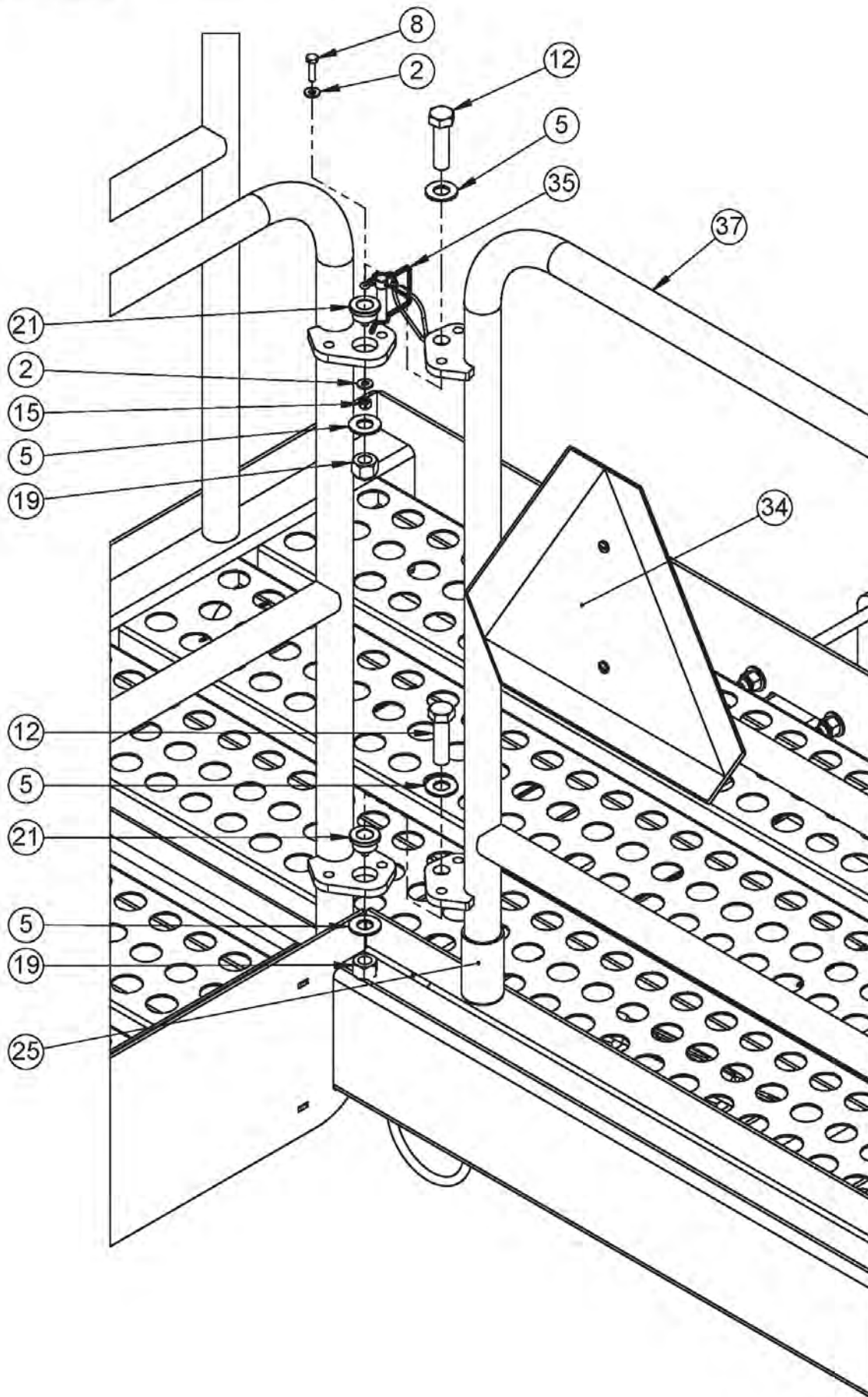


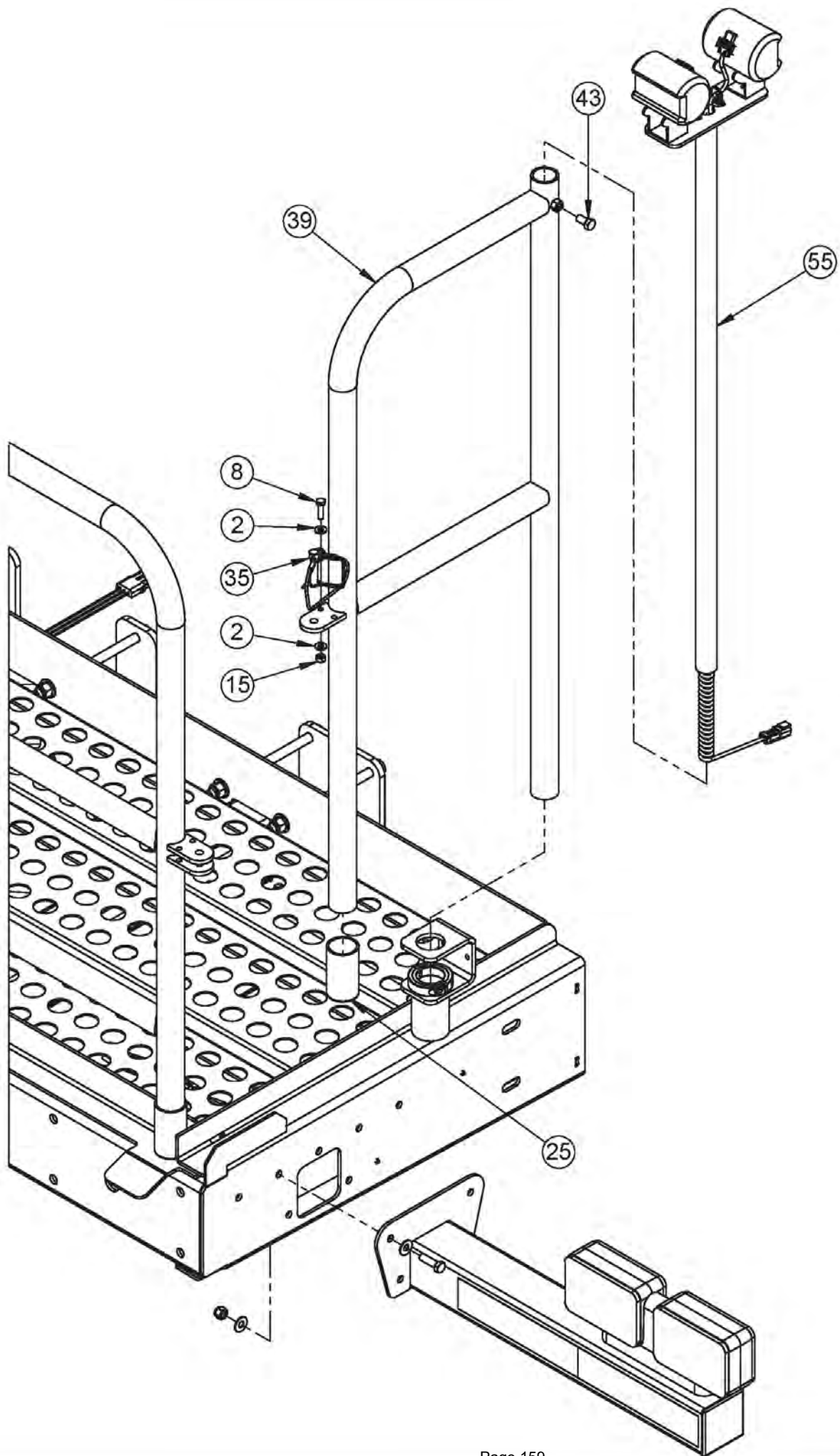
Platform Mounting

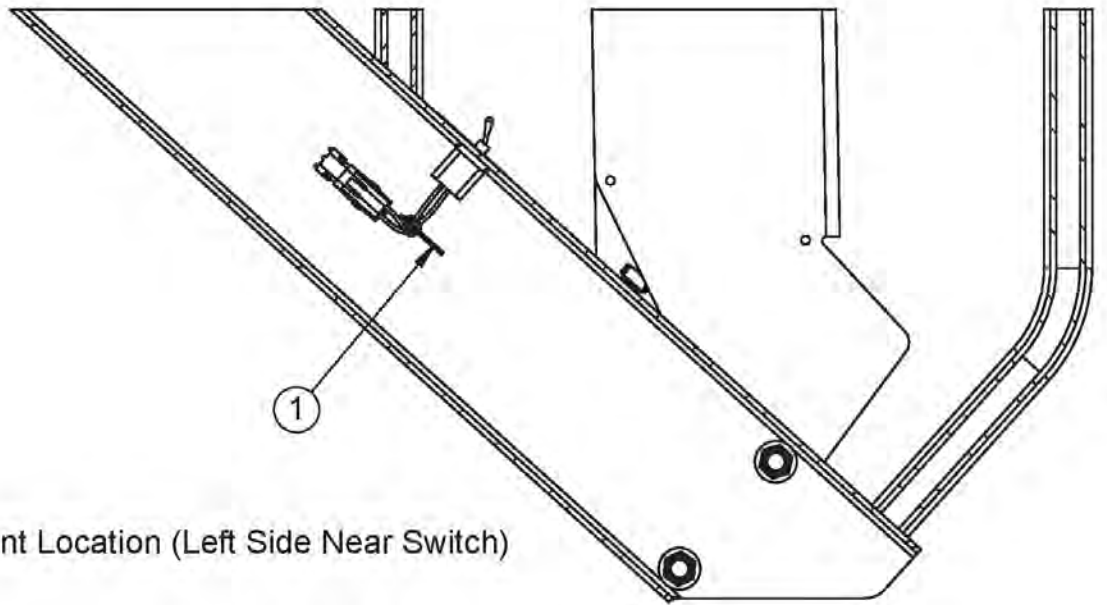


J-Hangers

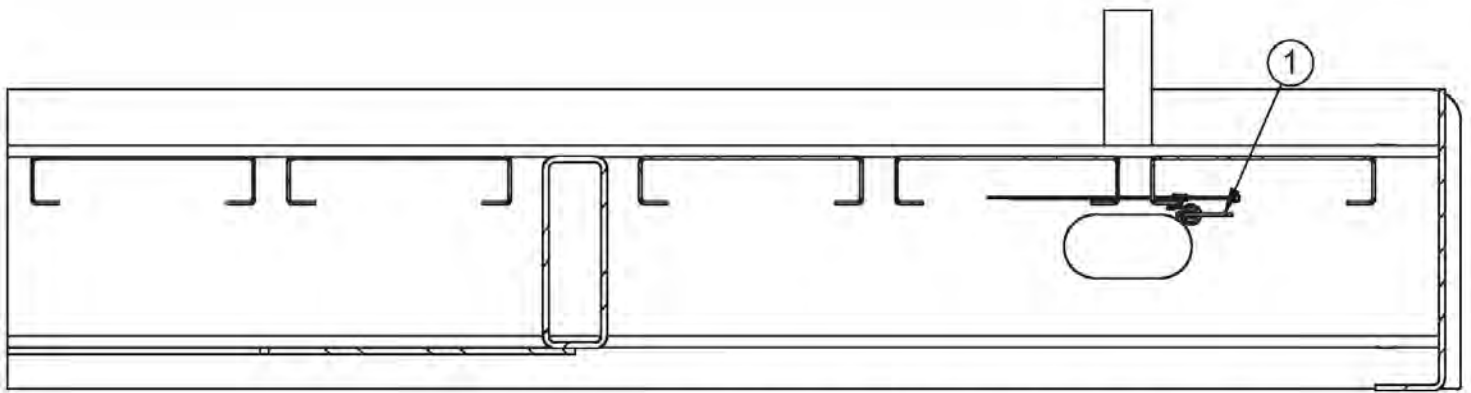




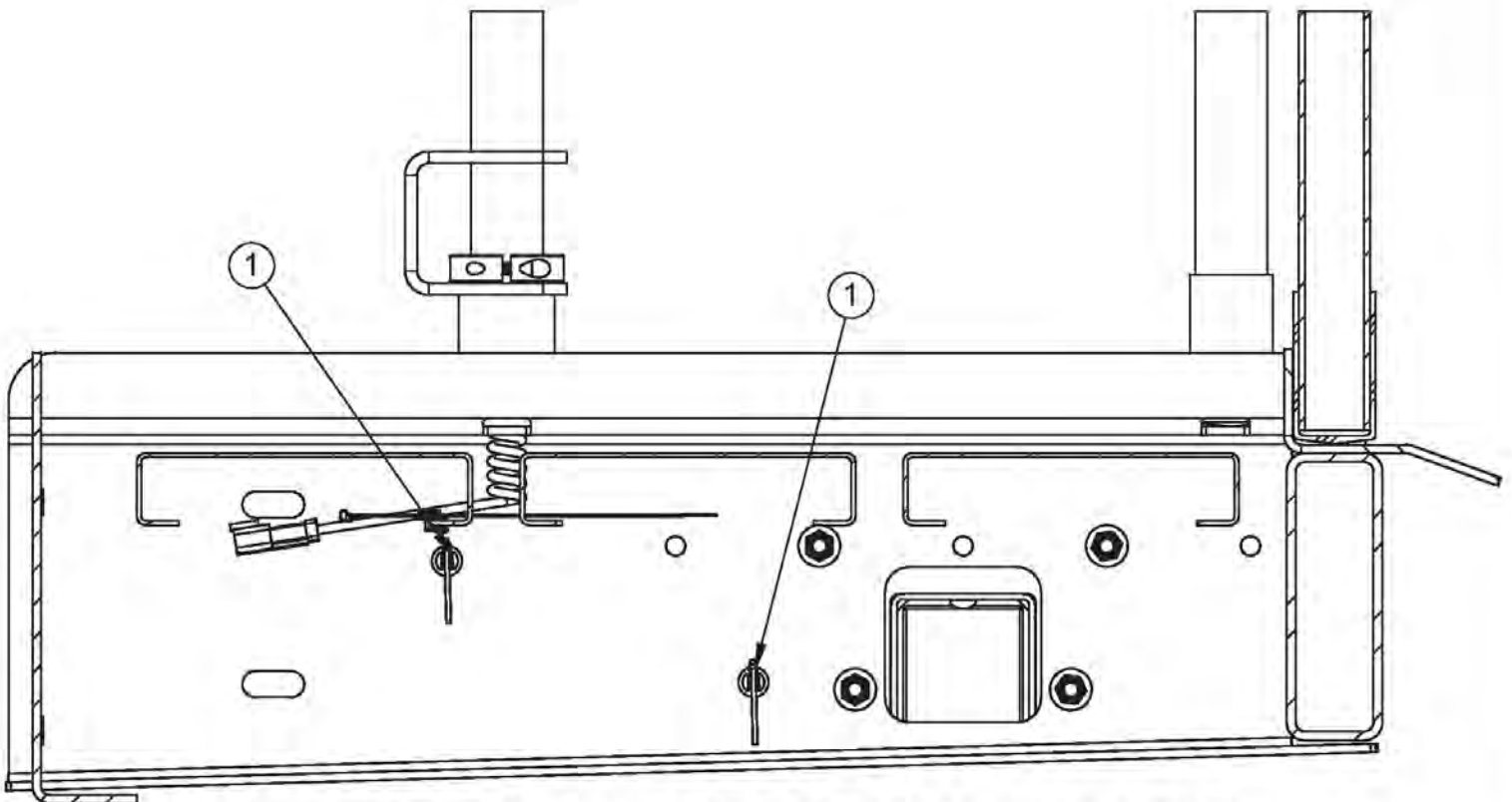




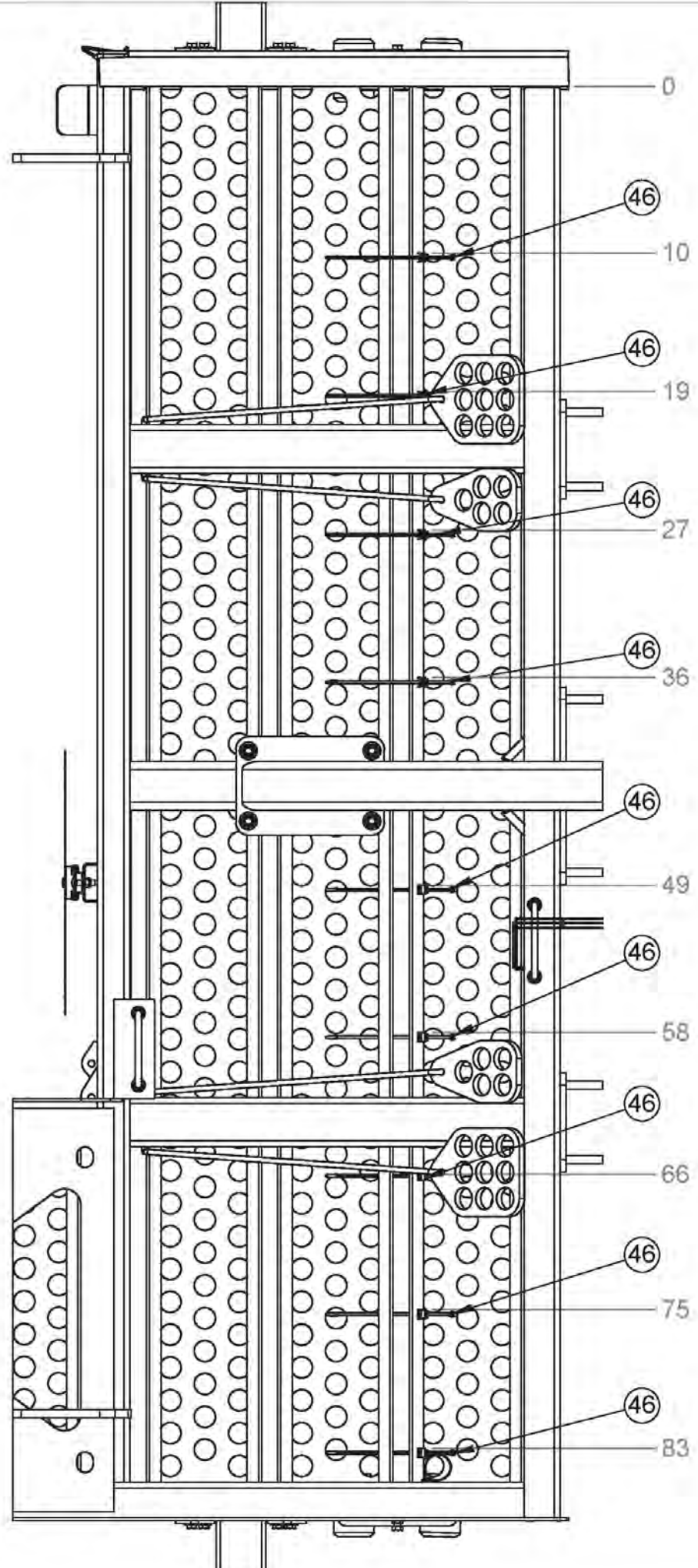
Cable Tie Mount Location (Left Side Near Switch)

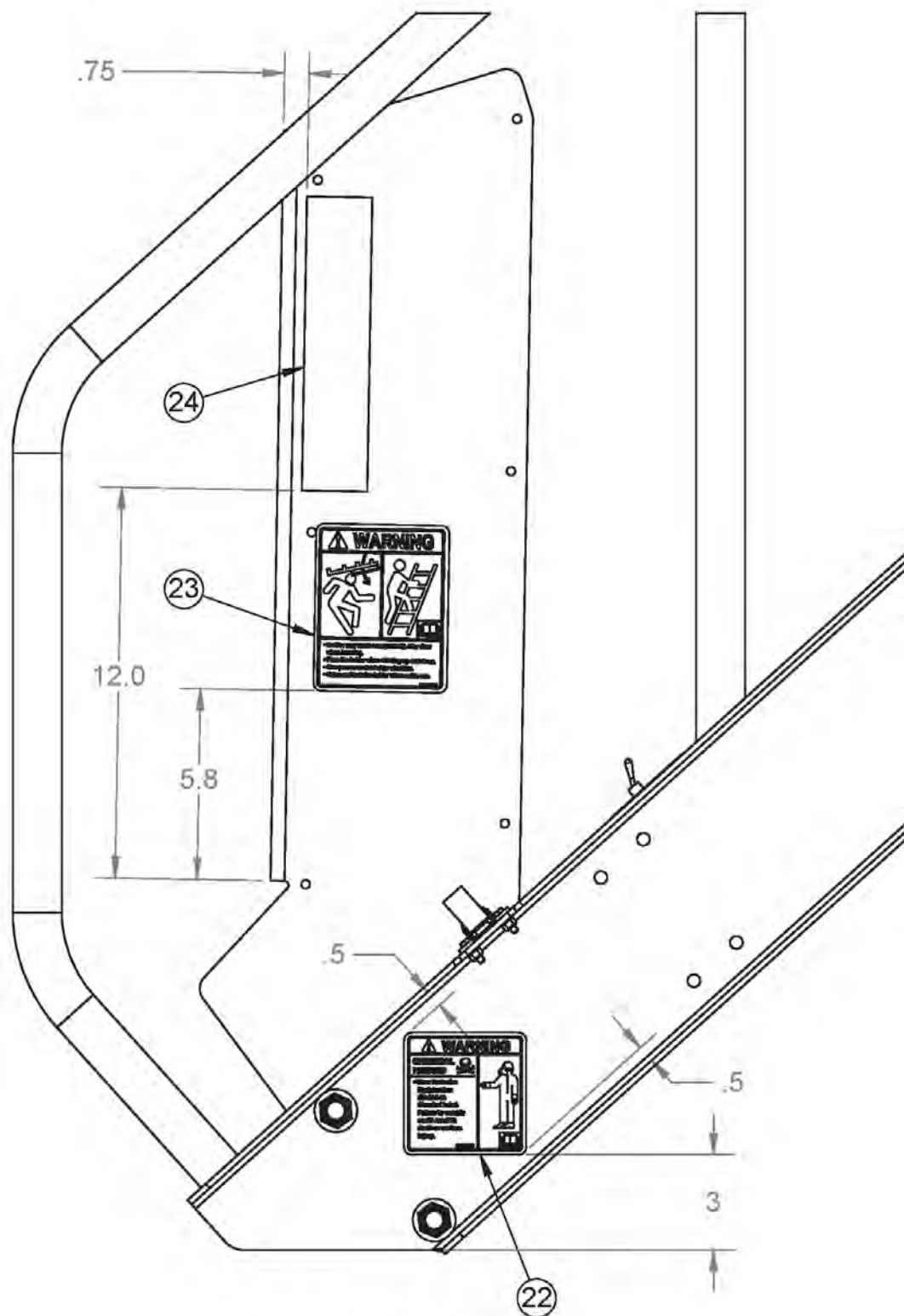


Cable Tie Mount Location (Left Side Looking Outwards)

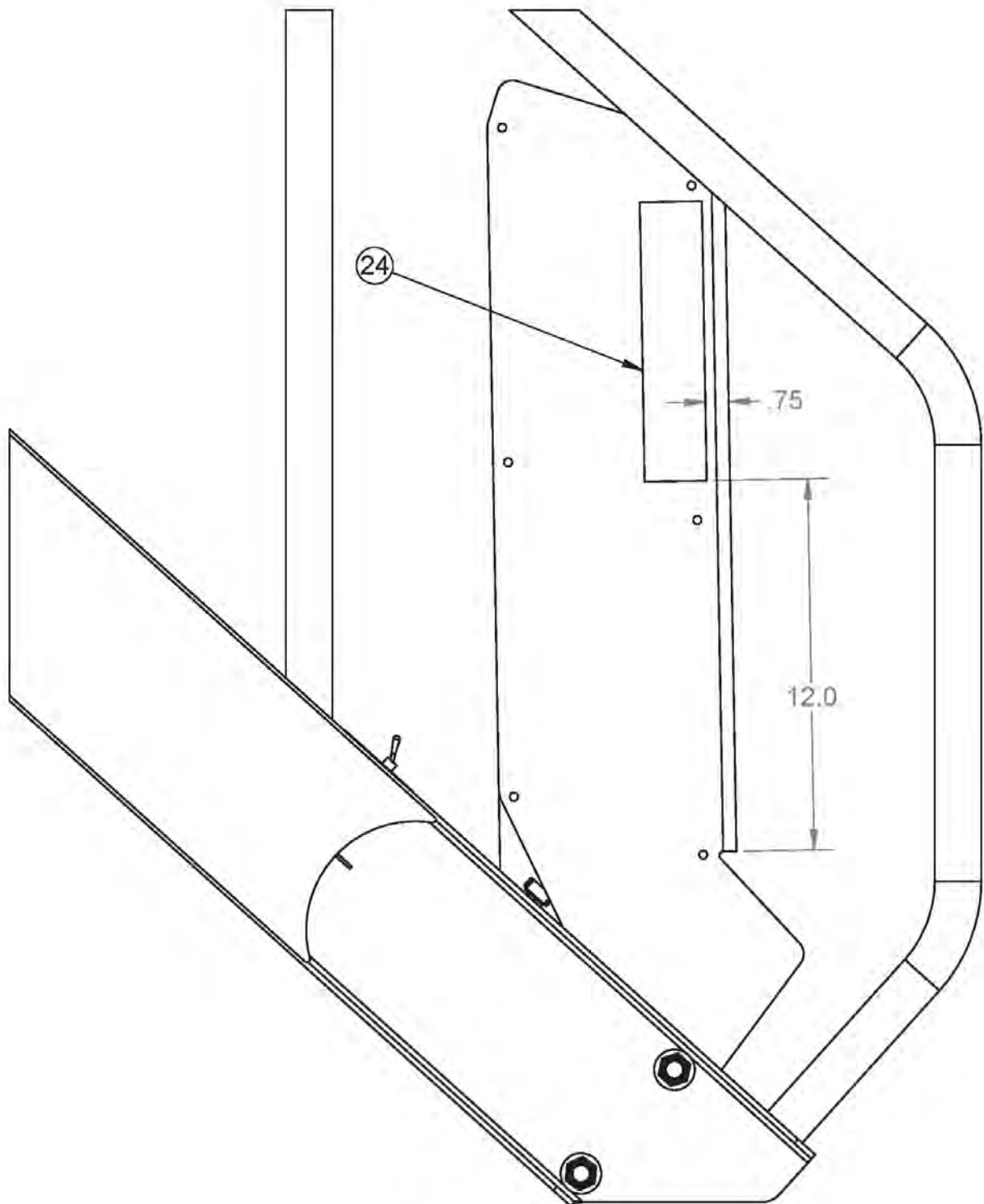


Cable Tie Mount Locations (Right Side, Looking Outward)

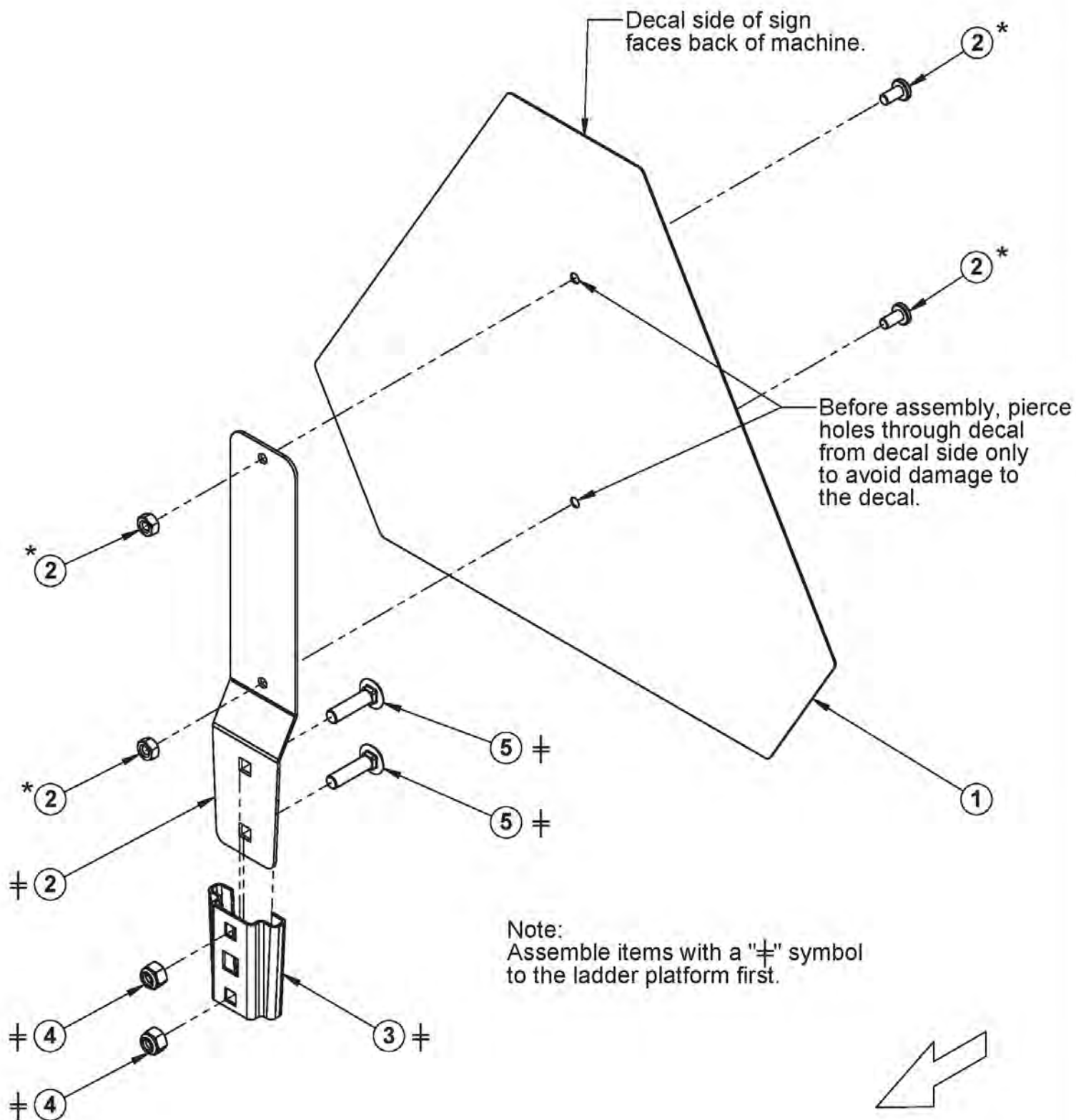




Right Hand Ladder View



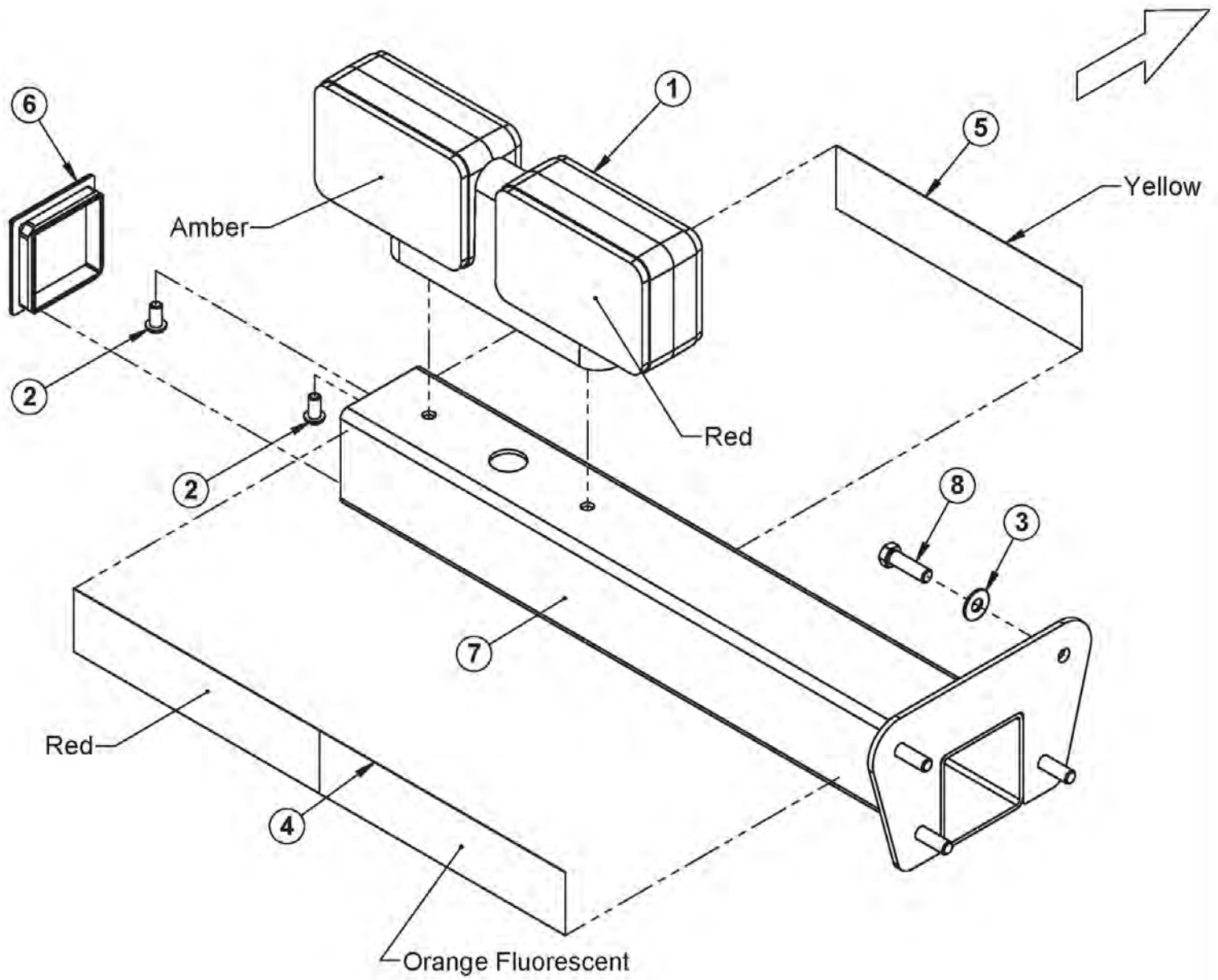
Left Hand Ladder View



TA00678 Assy, SMV Sign

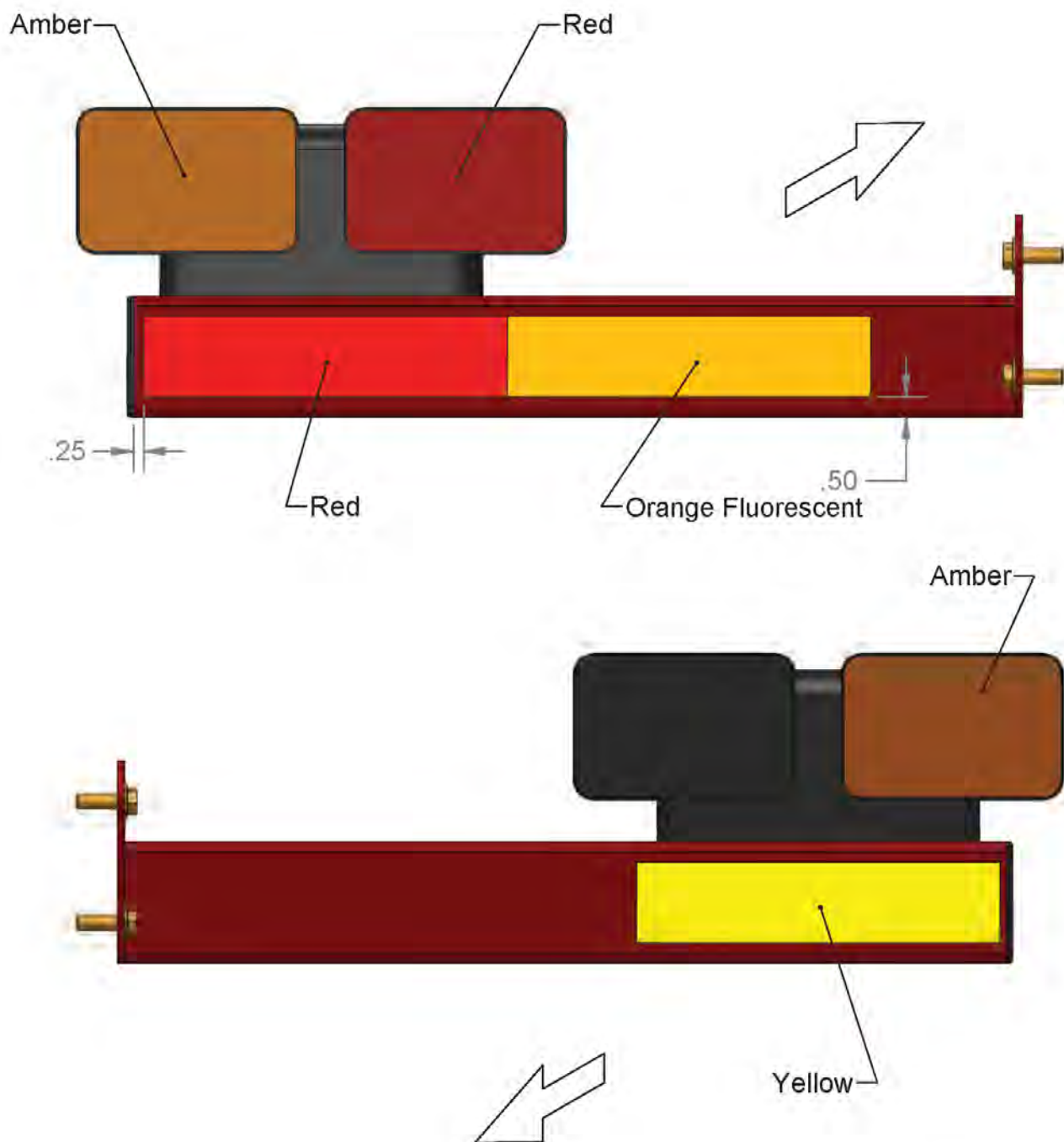
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA00670	Assy, SMV Plate w Decal	1	
2	TA00671	Assy, SMV Spade Mount	1	
3	T0051519	Receptacle, Female Spade SMV Sign	1	
4	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
5	CB-0.313-18X1.25C5	RHSNBOLT 5/16-18x1.25-CZ5	2	

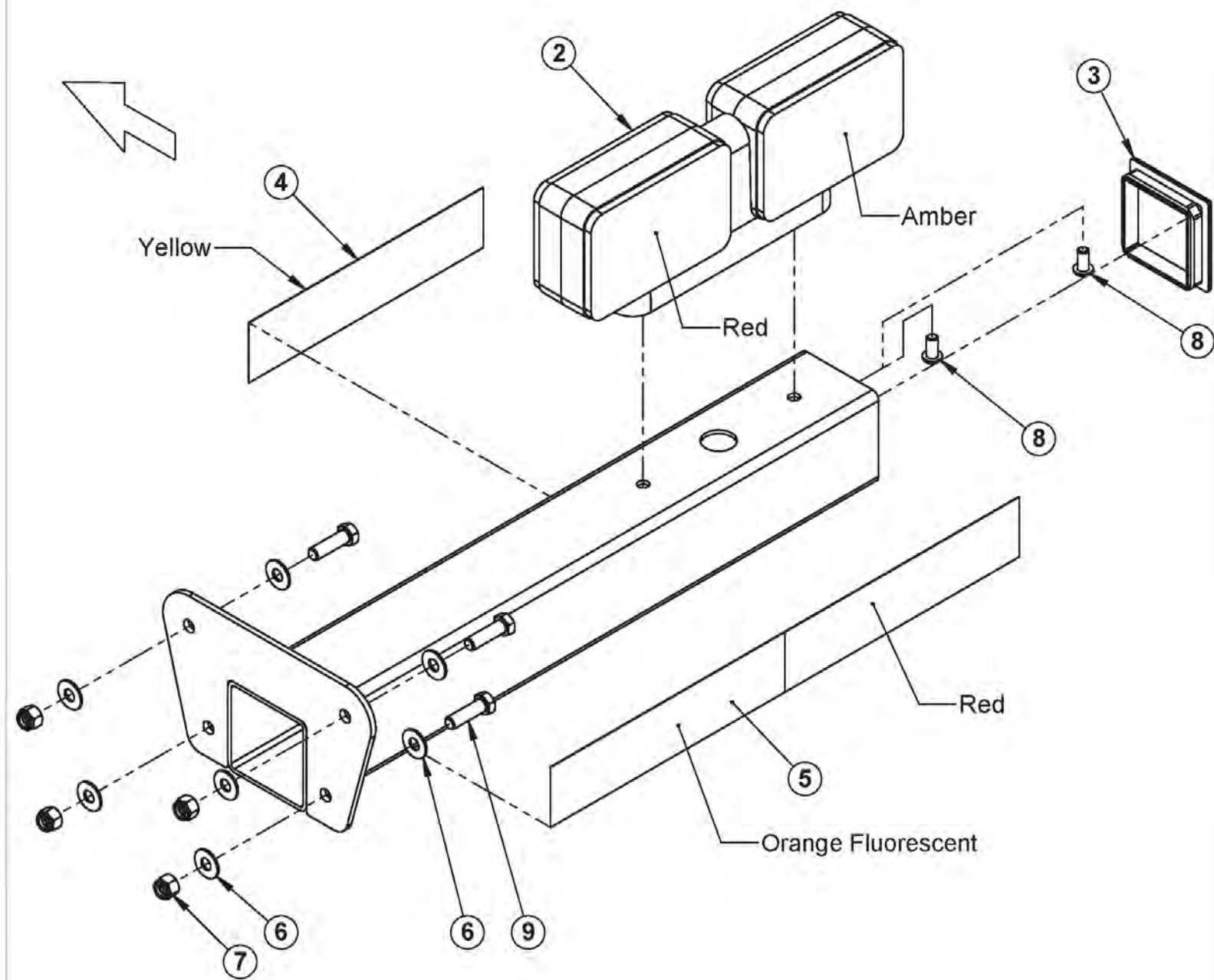
* Items marked with an asterisk, are items that are supplied with P/N TA00671.



TA00811 Assy, Tail Light-LH

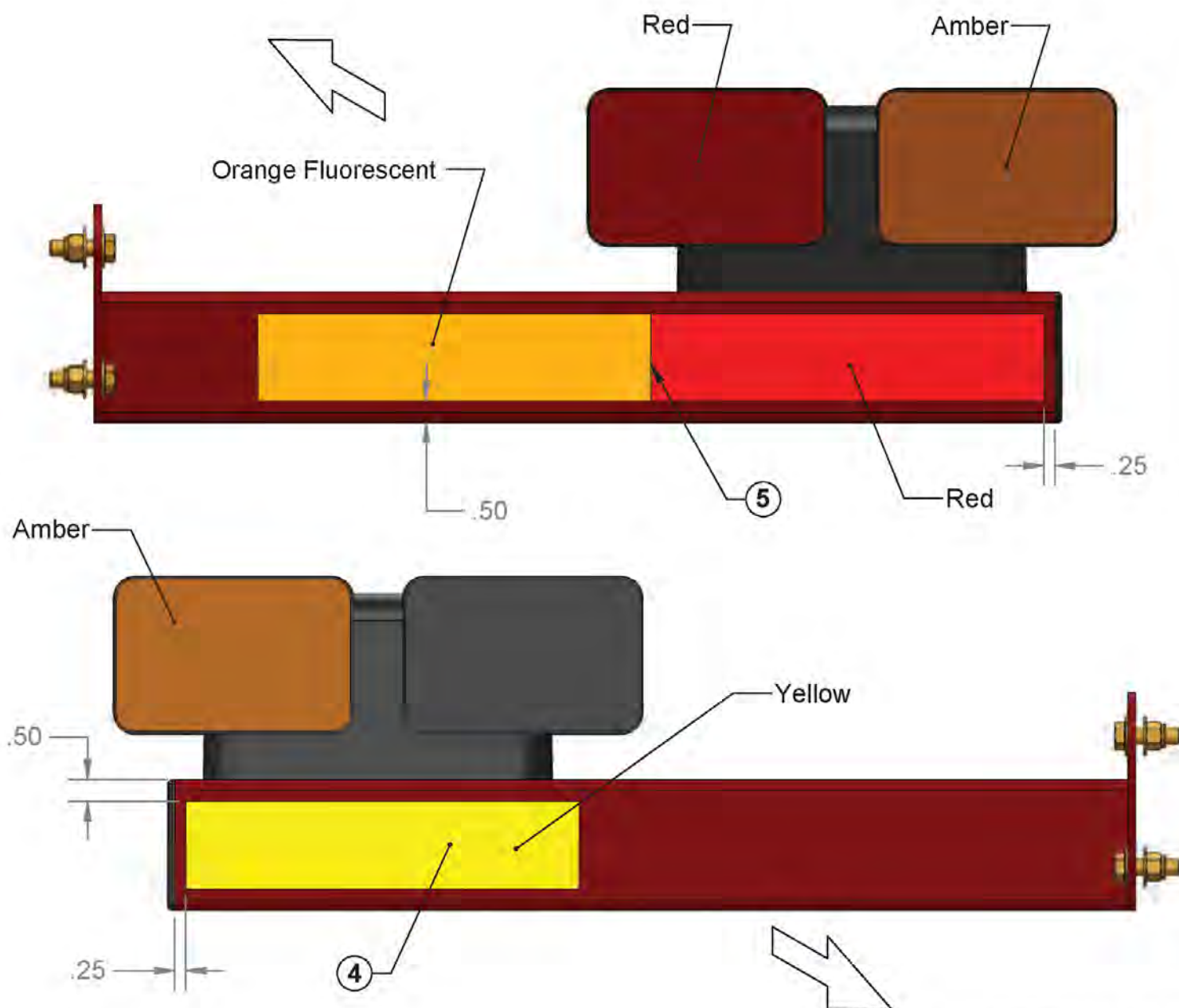
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	86404264	Light Rear LH	1	
2	BHSCS-M8-1.25-16Y10.9	BtnSktCpScr M8-1.25x16 YZ10.9	2	
3	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	4	
4	T0051727	Decal, Refl Red,Orange-2x18	1	
5	T0051729	Decal, Reflector, Yellow-2x9	1	
6	T0052333	Plug, Square Tube - Finish	1	
7	TW000776	Wldmt, Tail Light Brkt	1	
8	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	

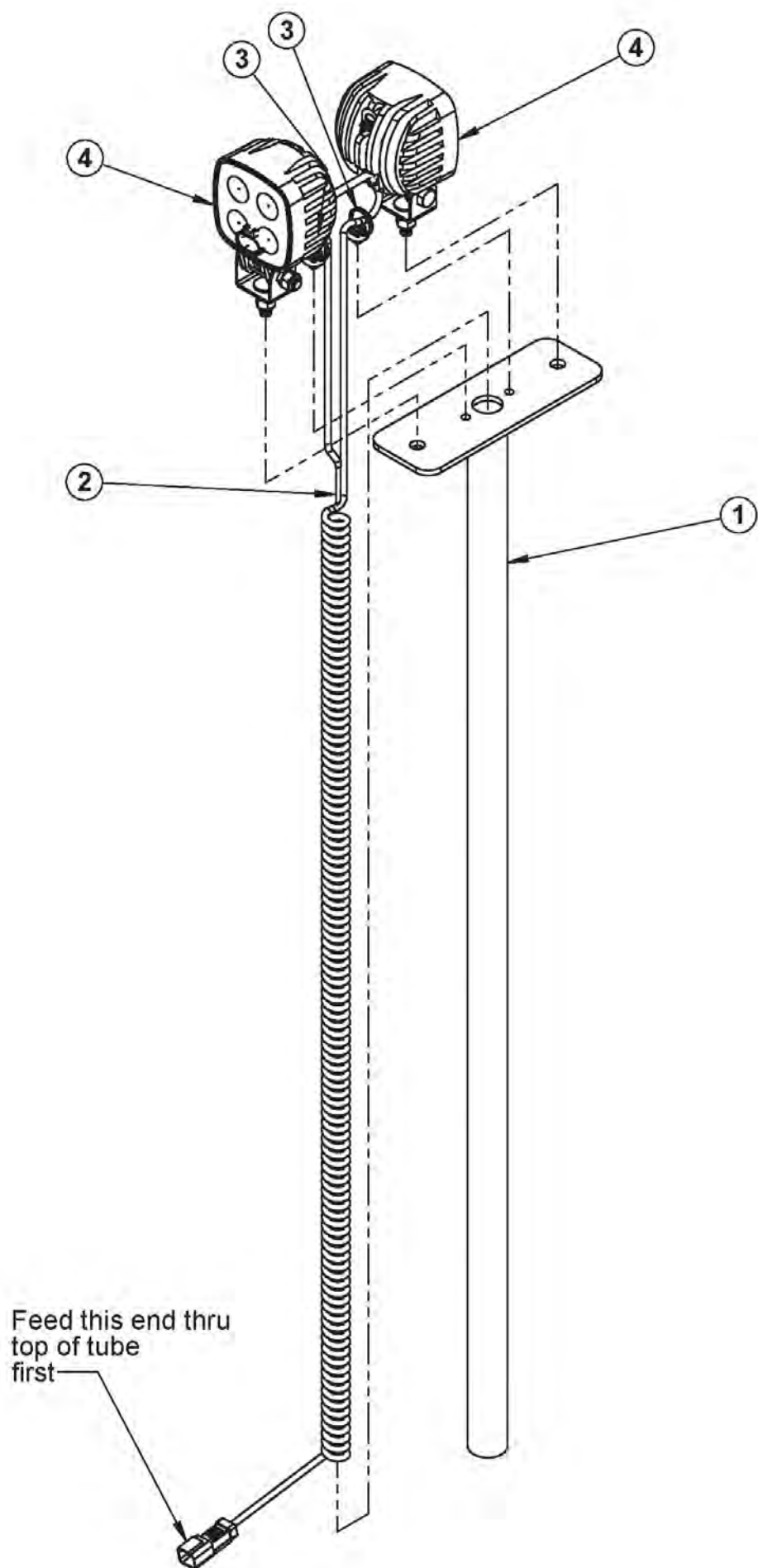




TA00812 Assy, Tail Light-RH

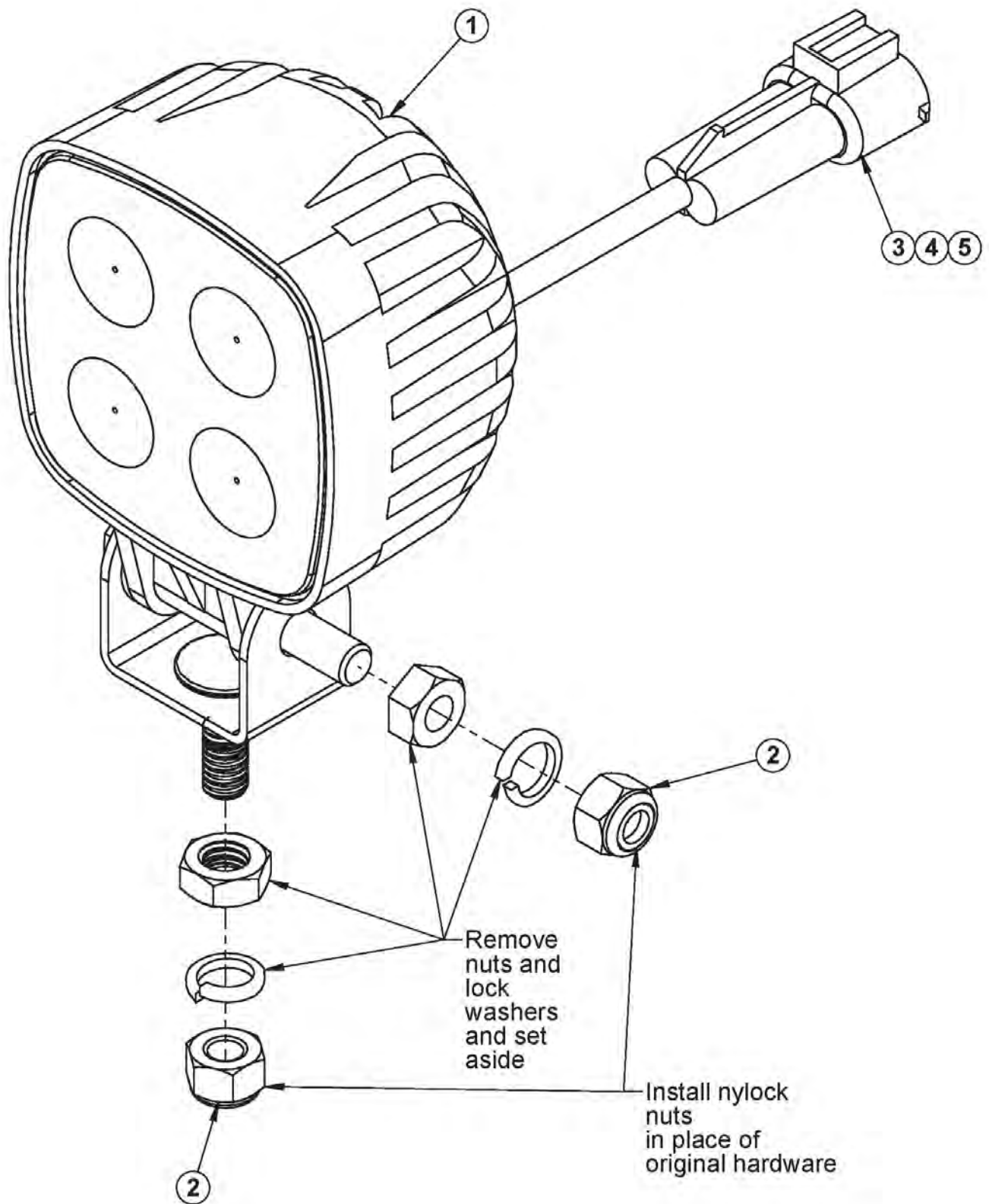
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW000776	Wldmt, Tail Light Brkt	1	
2	86404265	Light Rear RH	1	
3	T0052333	Plug, Square Tube - Finish	1	
4	T0051729	Decal, Reflector, Yellow-2x9	1	
5	T0051727	Decal, Refl Red, Orange-2x18	1	
6	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	8	
7	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
8	BHSCS-M8-1.25-16Y10.9	BtnSktCpScr M8-1.25x16 YZ10.9	2	
9	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	





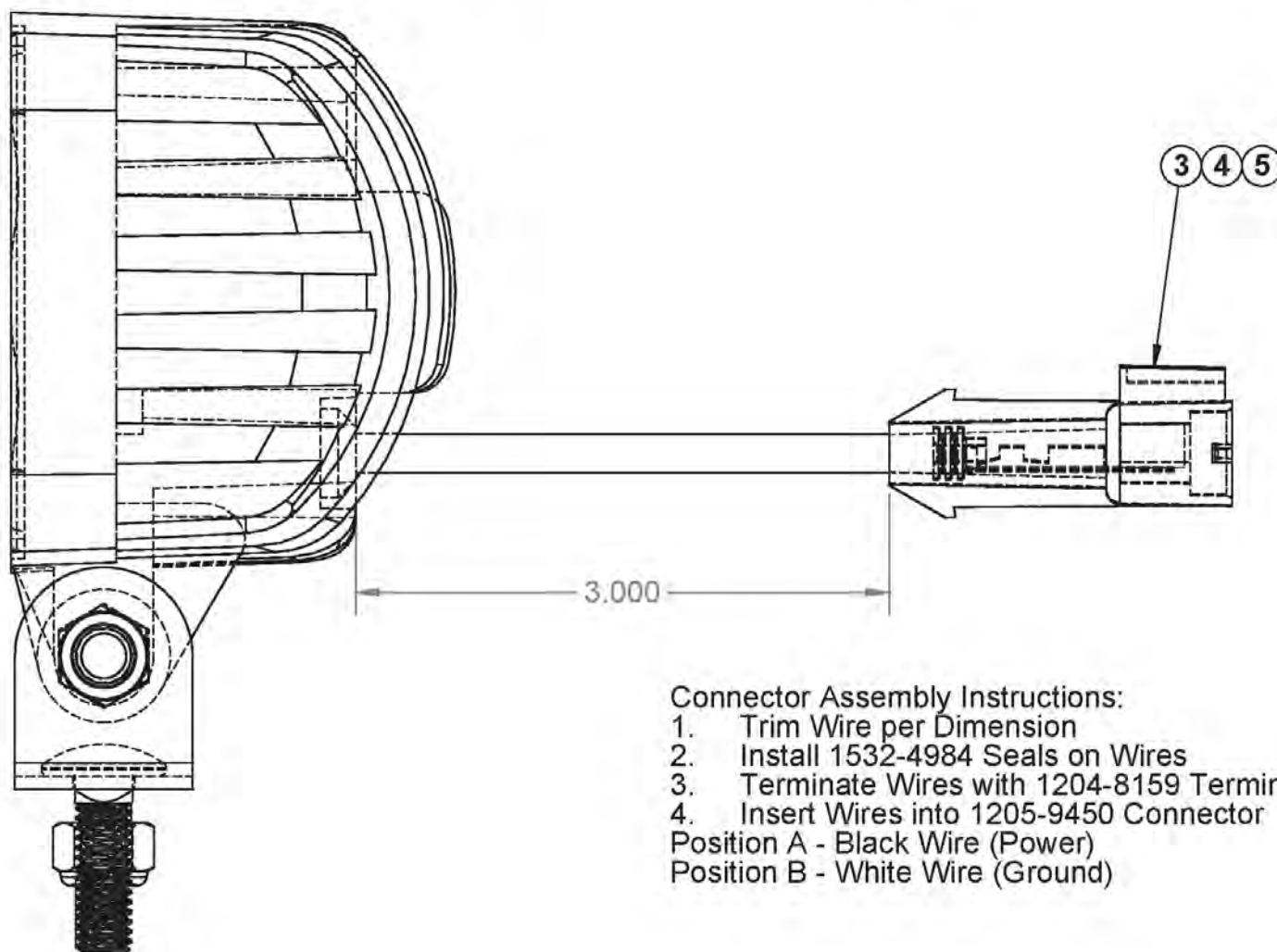
TA01247 Assy, Light Arm Extension

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	



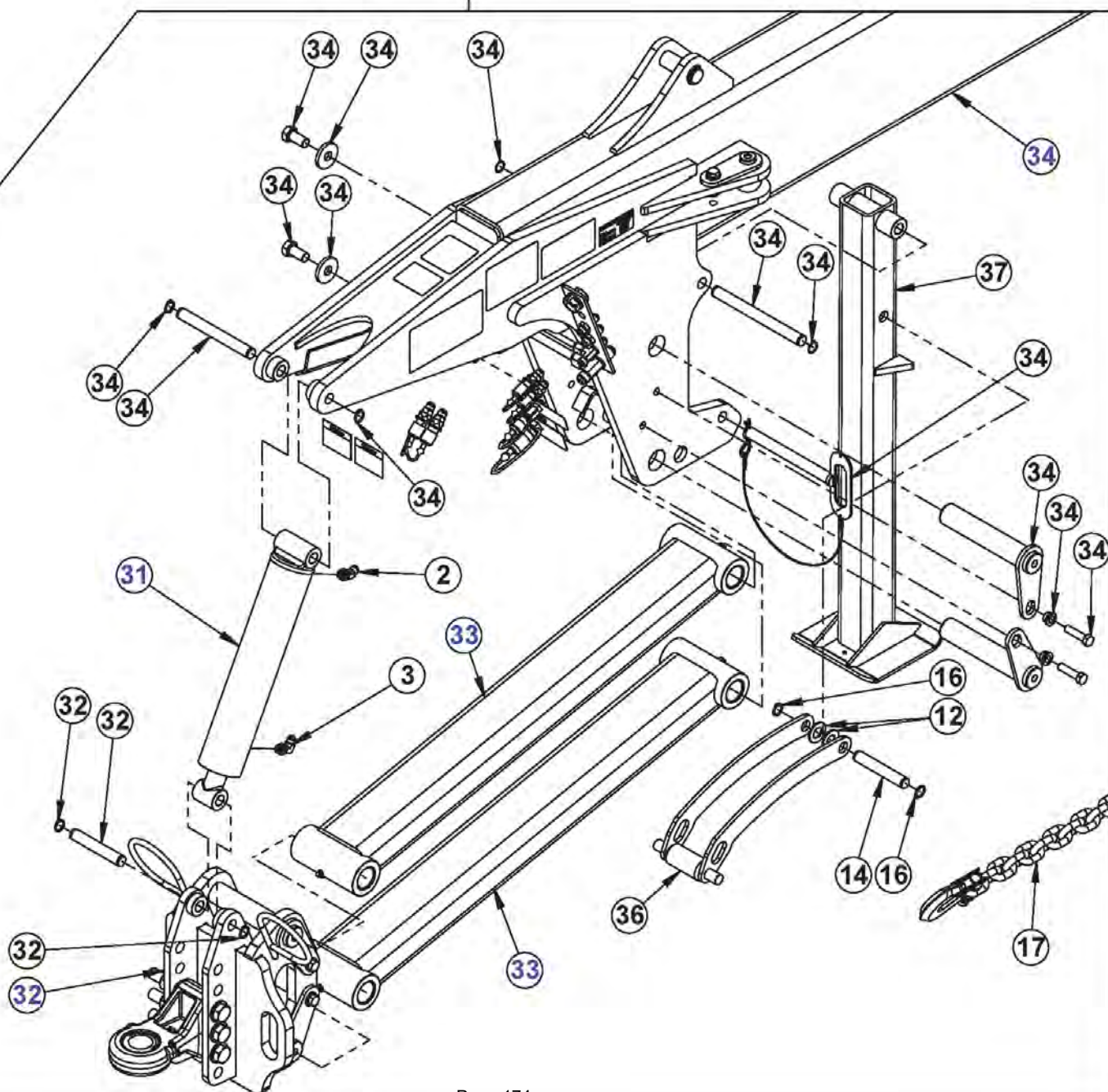
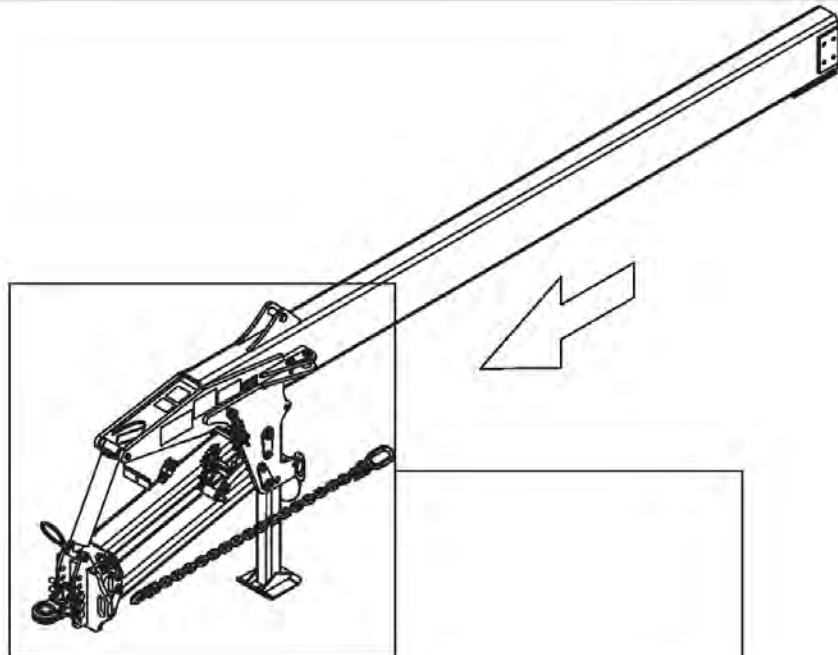
TA01737 Assy, Work Light

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0055591	Lamp, Flood LED 18W	1	
2	NLNUT-0.313-18SS	Nut, Nylock 5/16"-18-SS	2	
3	12059450	Connector, 2-Way Metri-Pack 280	1	
4	15324984	Cable Seal, Metri-Pack 280 Series Tan	2	
5	12048159	Terminal, Metri-Pack 280 Series 16-18 Ga	2	



Connector Assembly Instructions:

1. Trim Wire per Dimension
 2. Install 1532-4984 Seals on Wires
 3. Terminate Wires with 1204-8159 Terminals
 4. Insert Wires into 1205-9450 Connector
- Position A - Black Wire (Power)
Position B - White Wire (Ground)



TA01767 Assy, Hyd Lift Front Hitch (Sheet 1 of 2)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-08MJ-08MB-.063	ADAPTER 08MJ-08MB .063" Orifice	1	
2	AD-08MJ-08MB-45	ADAPTER 08MJ-08MB 45	3	
3	AD-08MJ-08MB-90	ADAPTER 08MJ-08MB 90	1	
4	AD-08MJ-08MB	ADAPTER 08MJ-08MB	9	
5	AD-08MJ-08MJ-08MJ-BHR	ADAPTER 08MJT BH RUN	1	
6	AD-08MJ-08MJ-BH	ADAPTER 08MJ-08MJ BH	5	
7	AD-08MJ-08MJ-BH90	ADAPTER 08MJ-08MJ BH 90	1	
8	AD-12MJ-12MB	ADAPTER 12MJ-12MB	1	
9	AD-12MJ-12MJ-12MJ-BHR	ADAPTER 12MJT BH RUN	1	
10	AD-12MJ-12MJ-BH90	ADAPTER 12MJ-12MJ BH 90	1	
11	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
12	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	2	
13	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4-YZ8	2	
14	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
15	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	2	
16	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
17	T0051511	Safety Chain-61,000 lbs. 80"	1	
18	T0051595	Decal, Notice-Fan Motor Case	1	
19	T0051660	Tip, 1/2" Pioneer	7	
20	T0051678	Decal, Notice-Motor Return	1	
21	T0052376	Tip, Motor Return w/Relief	1	
22	T0052377	Tip, Case Drain w/Relief	1	
23	T0052386	Dust Plug, Pioneer Black	7	
24	T0052387	Dust Cap, Motor Return Black	1	
25	T0052388	Dust Cap, Case Drain Black	1	
26	T0055084	Tube Assy, Crossover	1	
27	T0055085	Tube Assy, Crossover	1	
28	T0055125	Valve, Double Blocking	1	
29	T0055168	Harness, ISO Hitch Ext 120"	1	
30	T0055812	Decal, Hose ID Hyd Hitch	1	
31	TA01496	Cylinder, Hyd 3.50X16.00	1	
32	TA01511	Assy, Hitch	1	
33	TA01513	Assy, Pivot Tube	2	
34	TA01768	Assy, Front Hitch	1	
35	TA01843	Hose Kit, Hyd Hitch	1	
36	TW001249	Wldmt, Jack Pivot Support	1	
37	TW001250	Wldmt, Jack	1	

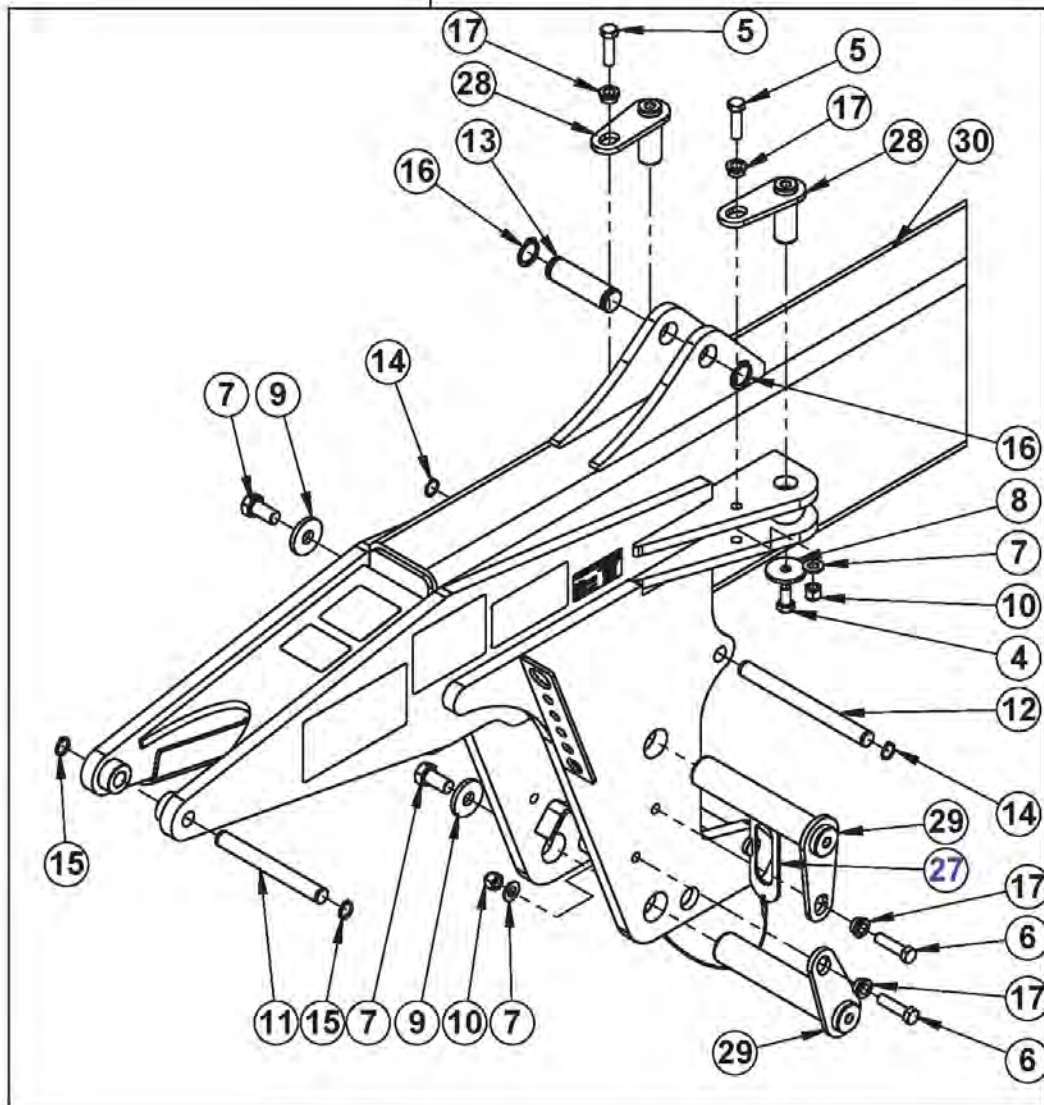
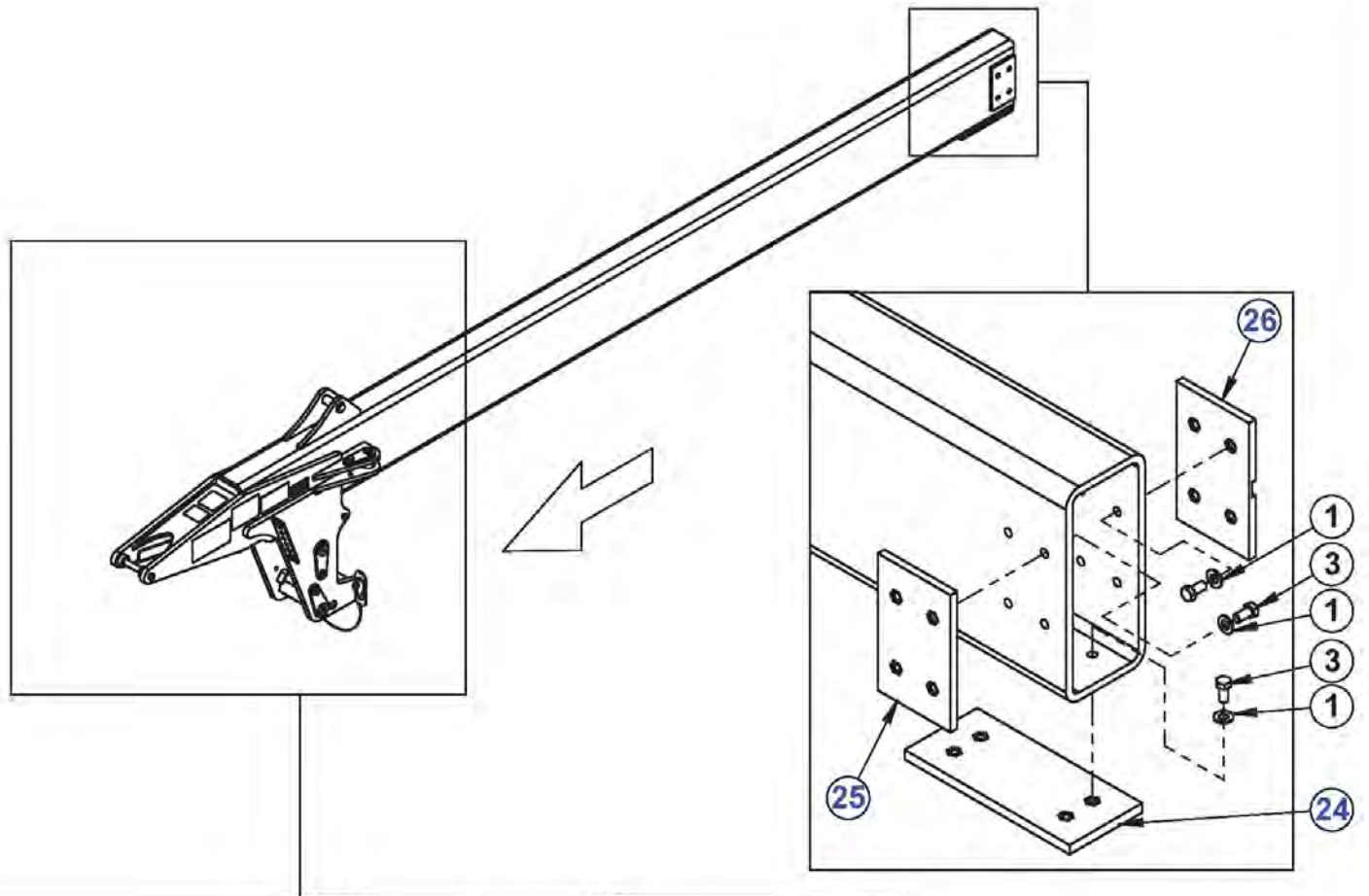
Note:

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.



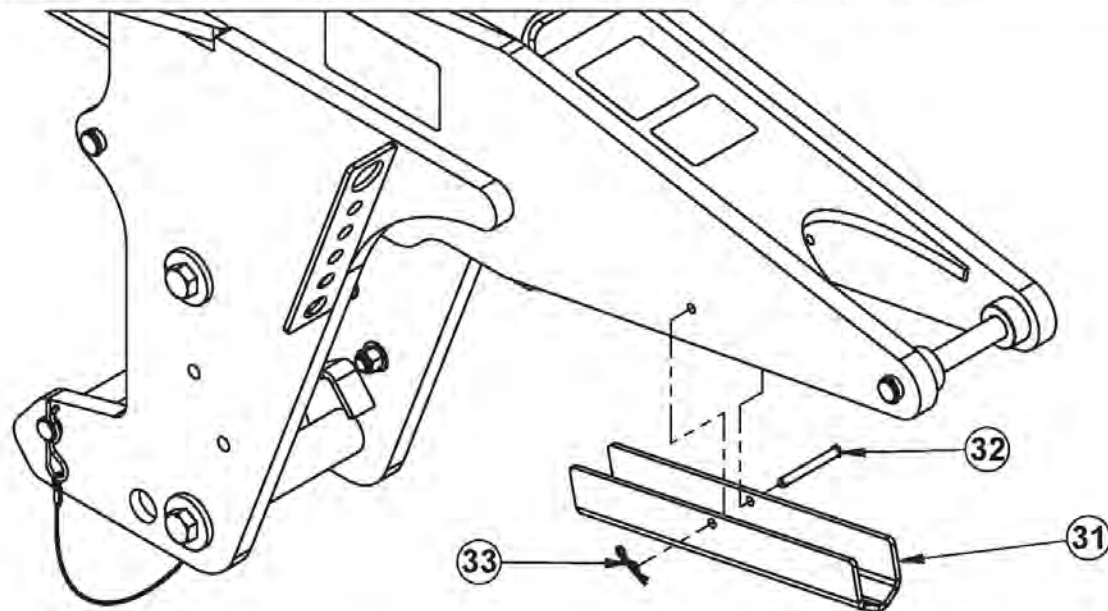
TA01767 Assy, Hyd Lift Front Hitch (Sheet 2 of 2)

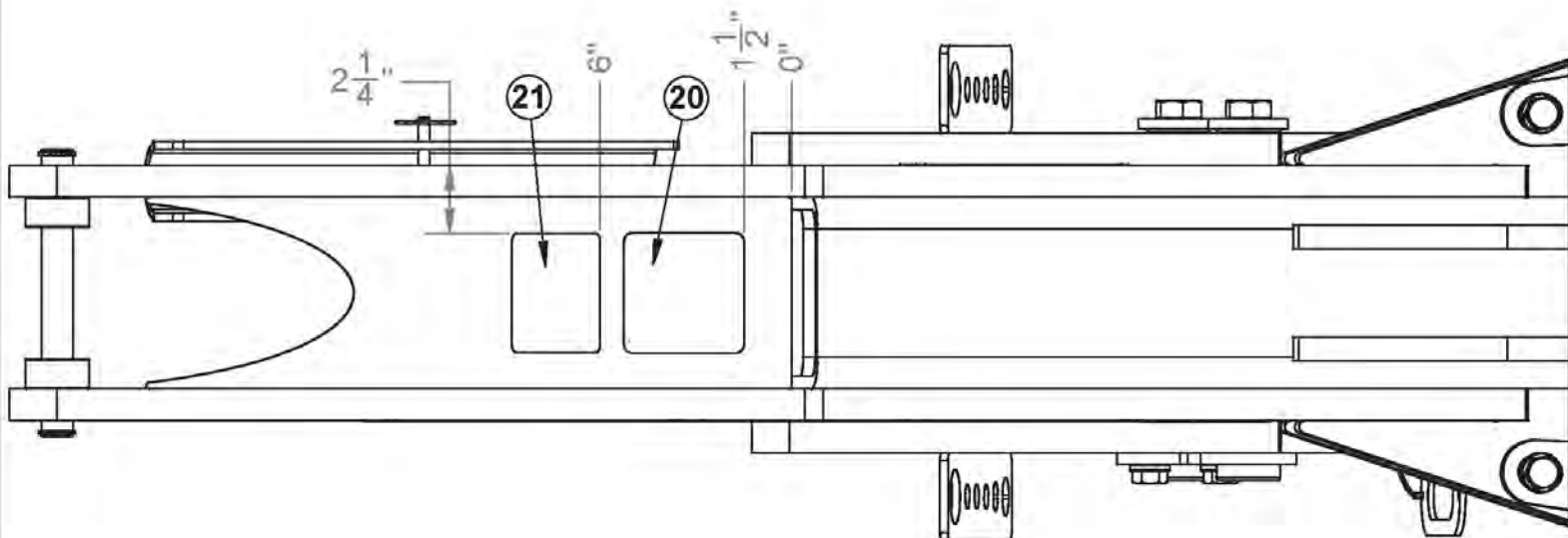
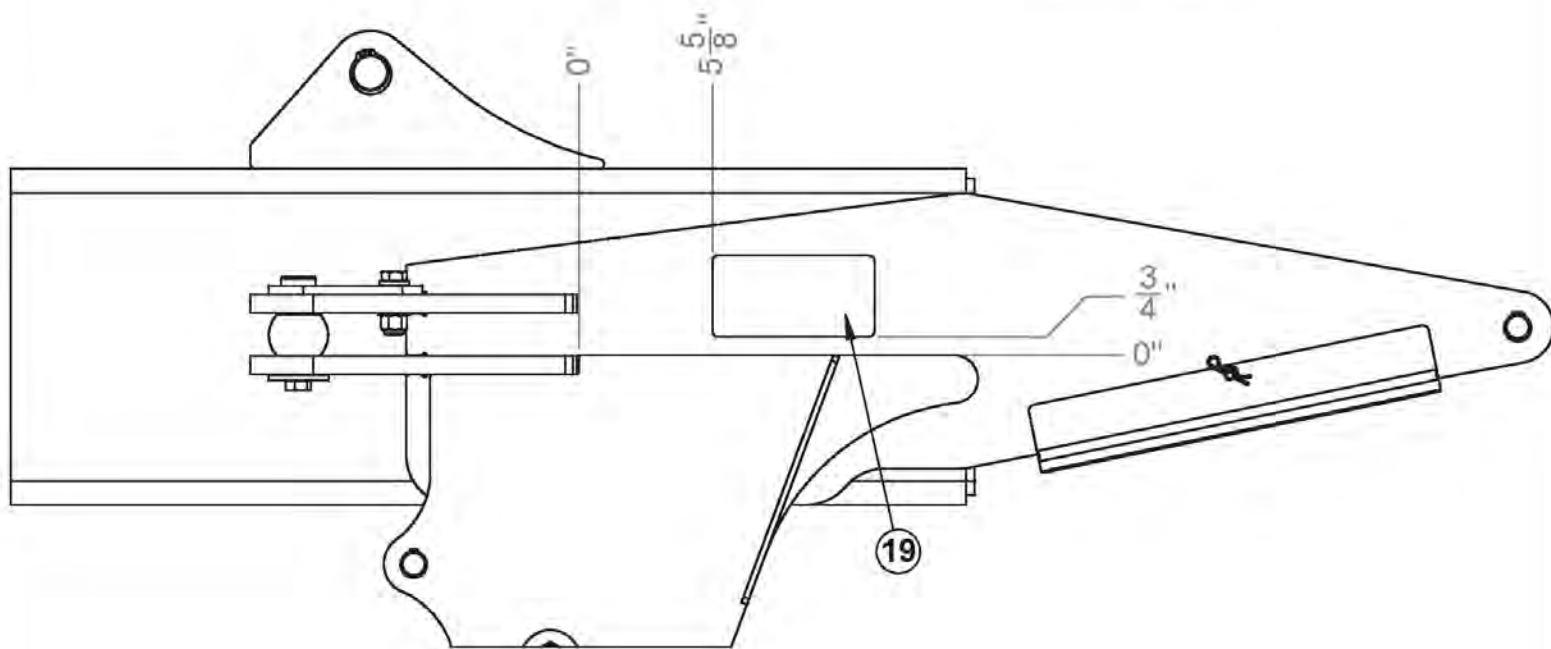
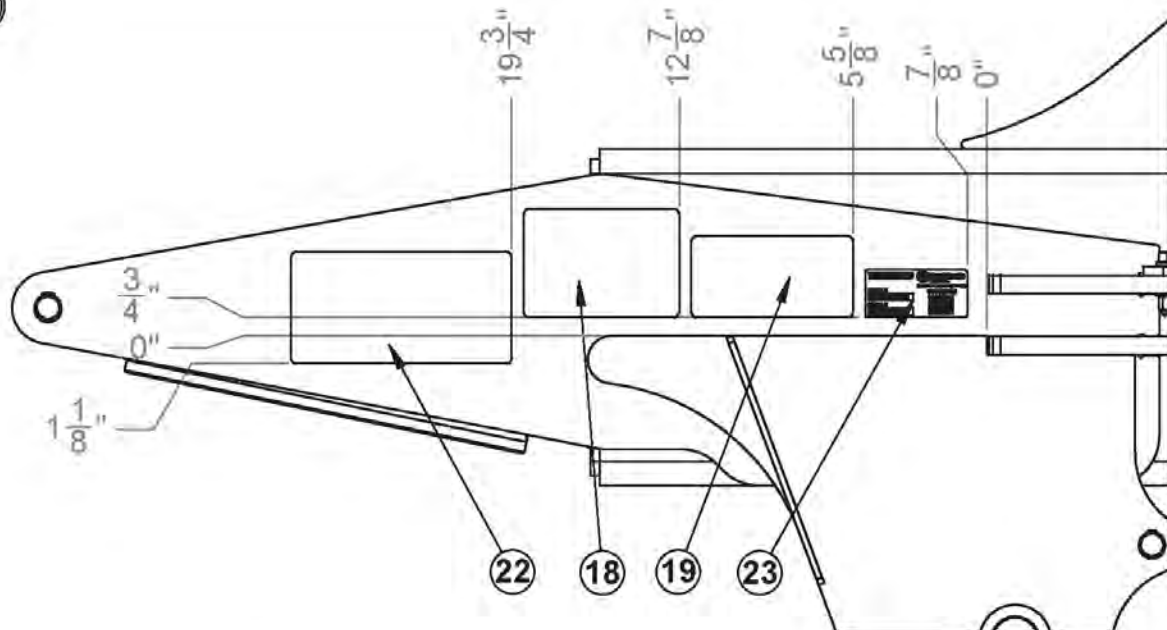
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-08MJ-08MB-.063	ADAPTER 08MJ-08MB .063" Orifice	1	
2	AD-08MJ-08MB-45	ADAPTER 08MJ-08MB 45	3	
4	AD-08MJ-08MB	ADAPTER 08MJ-08MB	9	
5	AD-08MJ-08MJ-08MJ-BHR	ADAPTER 08MJT BH RUN	1	
6	AD-08MJ-08MJ-BH	ADAPTER 08MJ-08MJ BH	5	
7	AD-08MJ-08MJ-BH90	ADAPTER 08MJ-08MJ BH 90	1	
8	AD-12MJ-12MB	ADAPTER 12MJ-12MB	1	
9	AD-12MJ-12MJ-12MJ-BHR	ADAPTER 12MJT BH RUN	1	
10	AD-12MJ-12MJ-BH90	ADAPTER 12MJ-12MJ BH 90	1	
11	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
13	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4-YZ8	2	
17	T0051595	Decal, Notice-Fan Motor Case	1	
18	T0051660	Tip, 1/2" Pioneer	7	
19	T0051678	Decal, Notice-Motor Return	1	
20	T0052376	Tip, Motor Return w/Relief	1	
21	T0052377	Tip, Case Drain w/Relief	1	
22	T0052386	Dust Plug, Pioneer Black	7	
23	T0052387	Dust Cap, Motor Return Black	1	
24	T0052388	Dust Cap, Case Drain Black	1	
25	T0055084	Tube Assy, Crossover	1	
26	T0055085	Tube Assy, Crossover	1	
27	T0055125	Valve, Double Blocking	1	
36	RN-0.375-16-.31-.44-Y	Rivnut, 3/8-16 UNC .31-.44 GR	2	
37	TA01843	Hose Kit, Hyd Hitch	1	
38	T0055812	Decal, Hose ID Hyd Hitch	1	



TA01768 Assy, Front Hitch

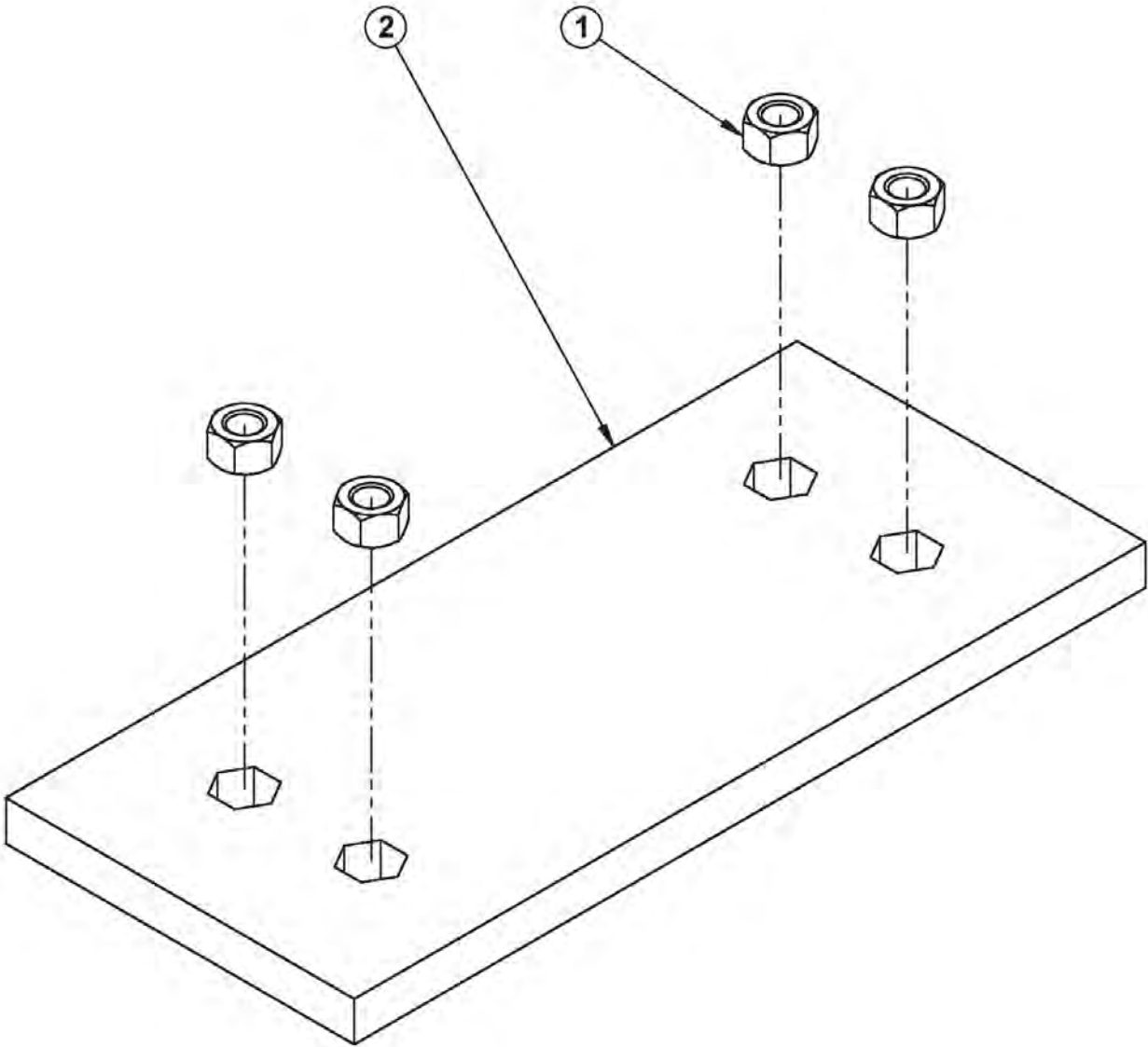
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	12	
7	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
3	HB-0.500-13X1.00Y8	Bolt, Hex Hd 1/2-13x1 YZ8	12	
4	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
5	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
6	HB-0.625-11X2.50Y8	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	





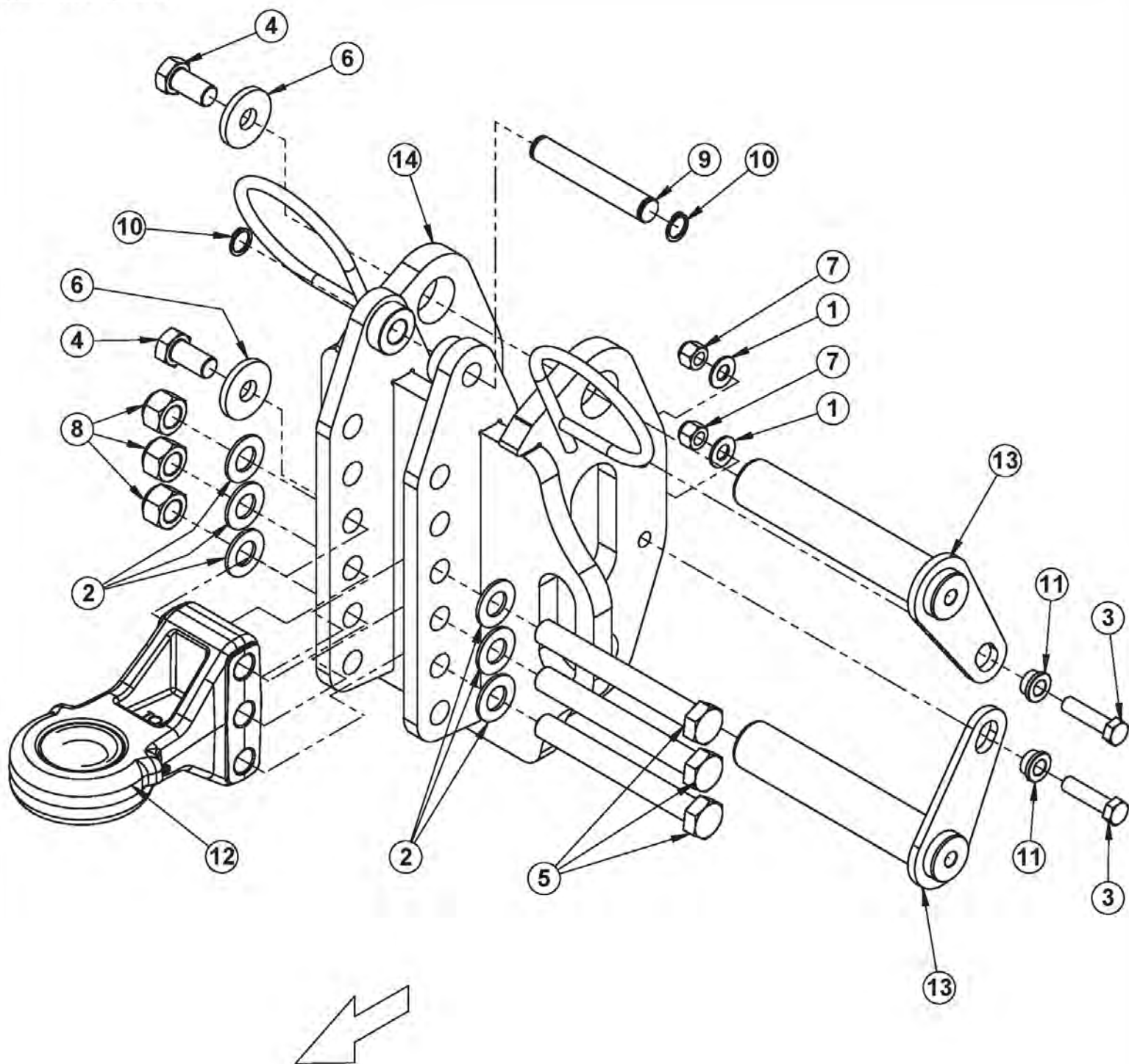
TA01768 Assy, Front Hitch

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	

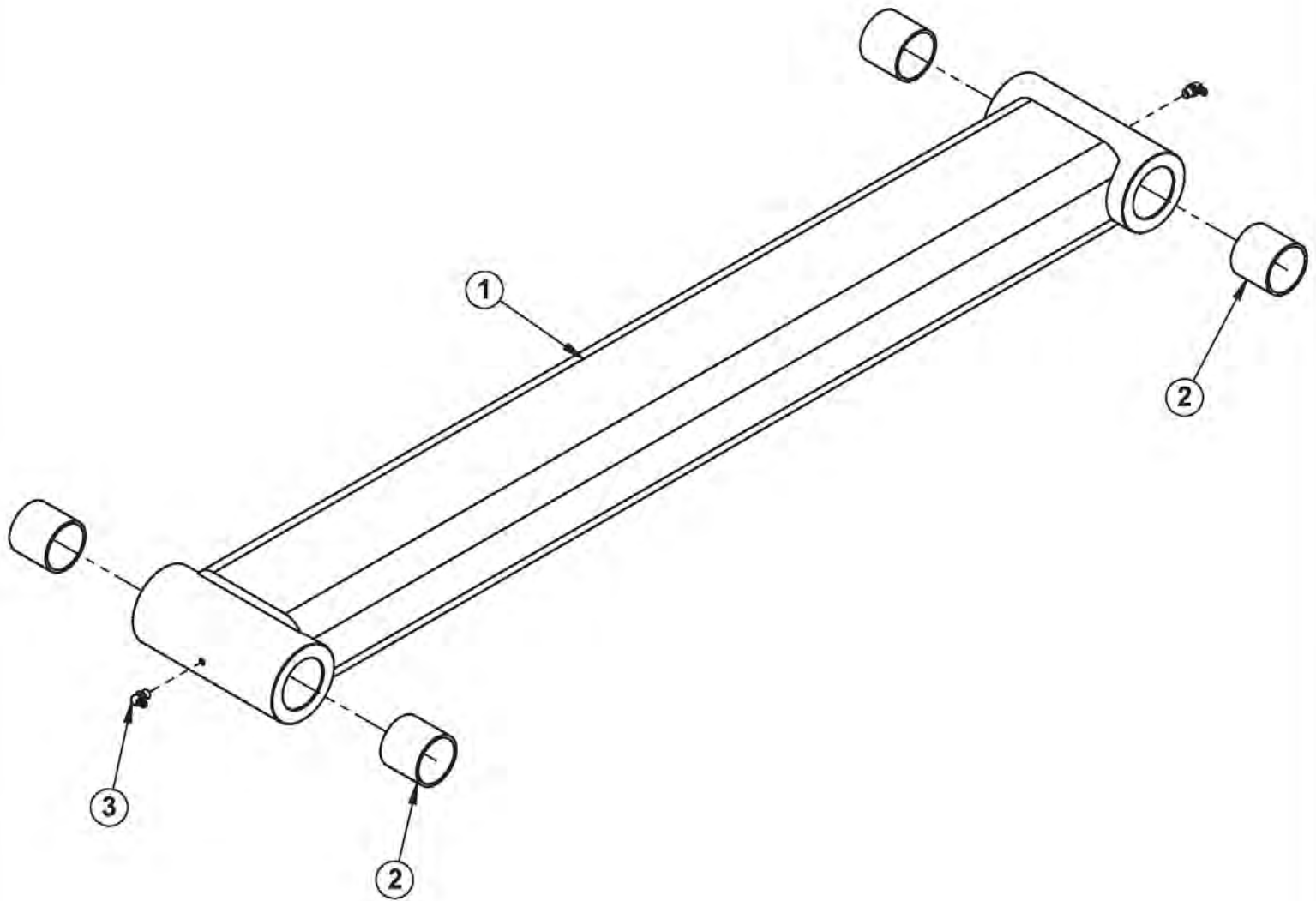


TA01511 Assy, Hitch

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.



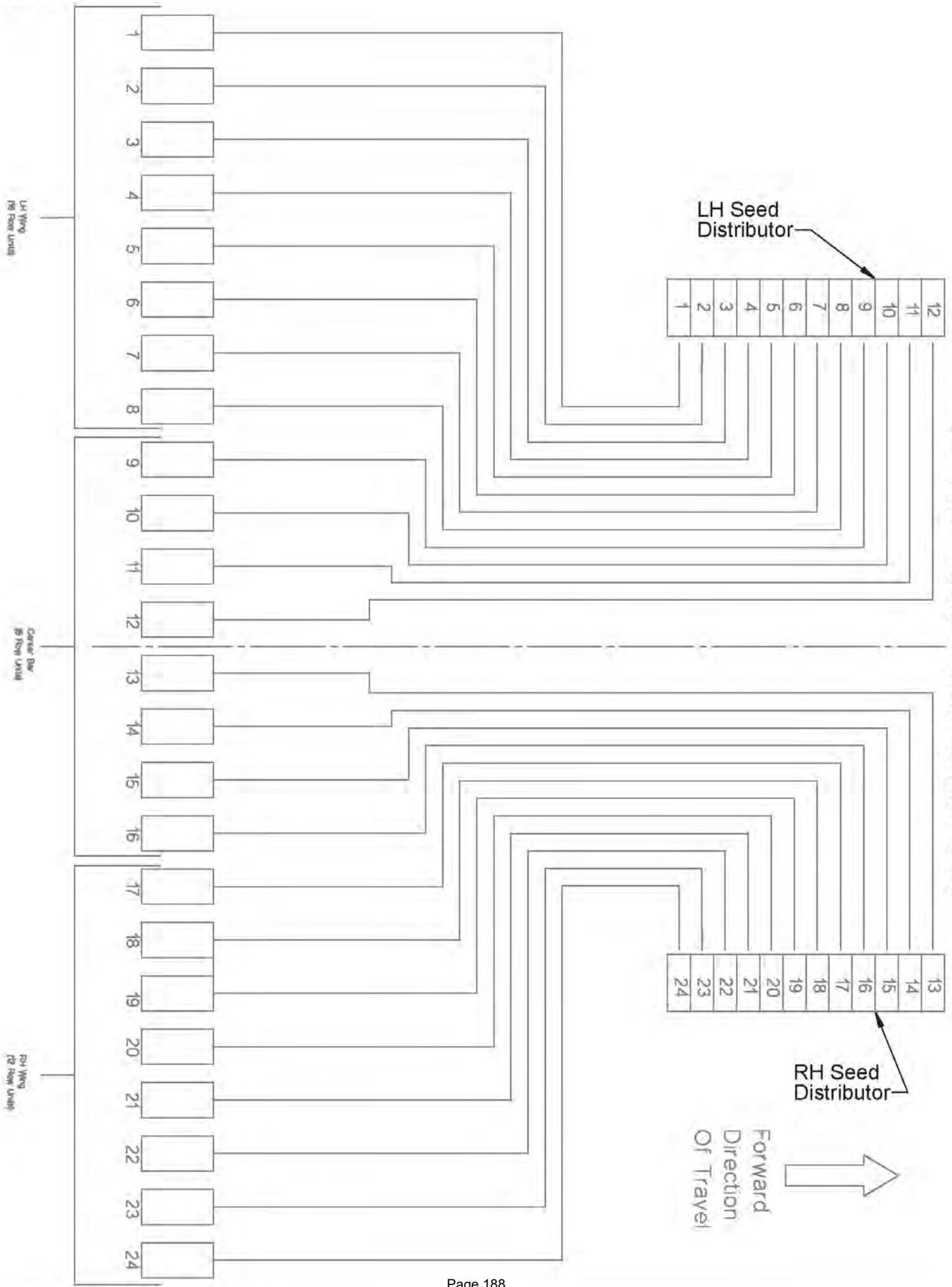
TA01513 Assy, Pivot Tube

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:

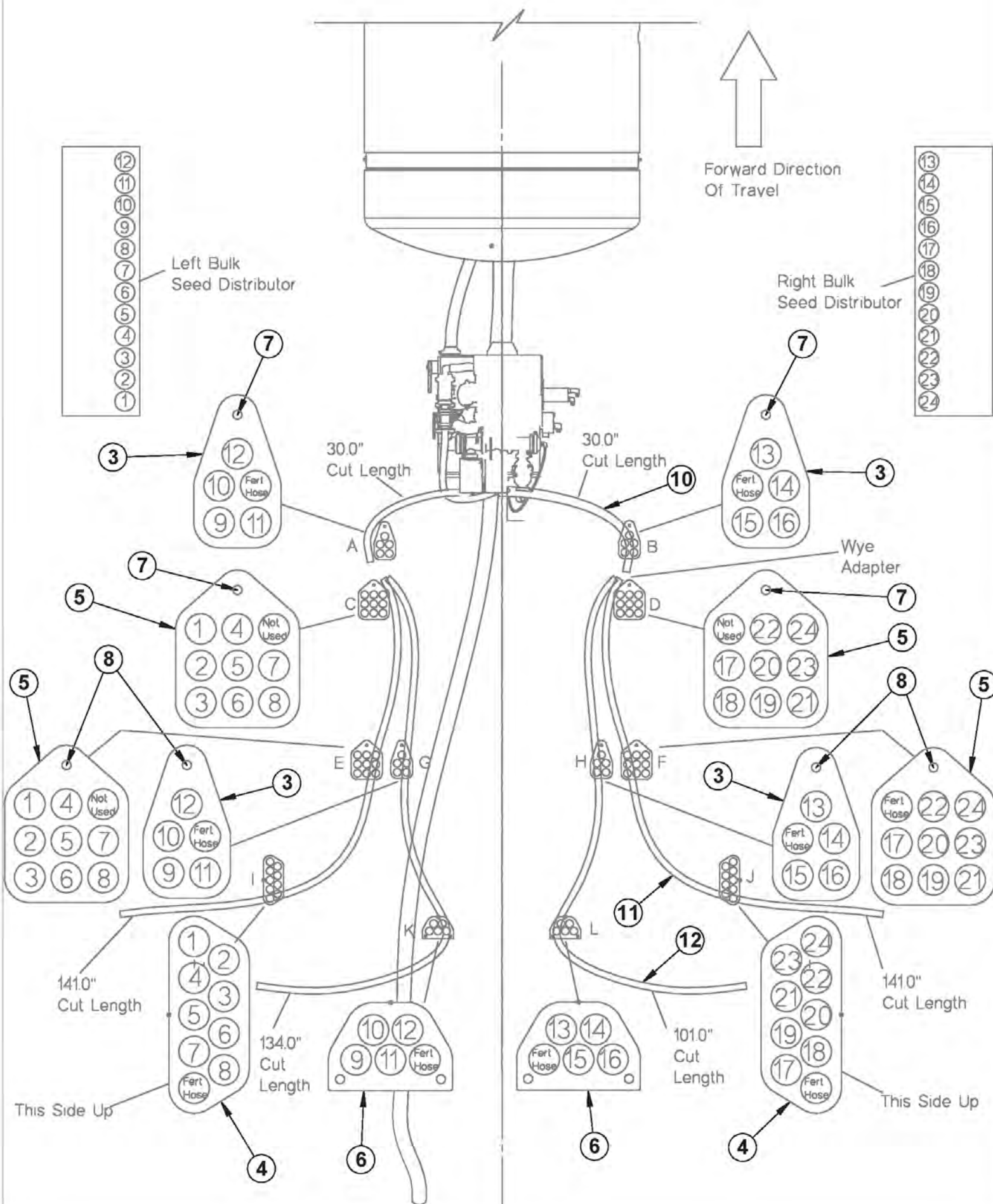
1. **[T=XXX]** = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified).
2. * Items marked with an asterisk are items that are included in that particular part or assembly.

24R-22 Seed Hose Schematic



** 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

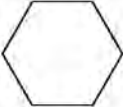
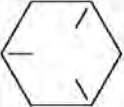
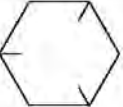
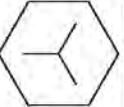
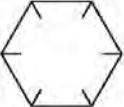
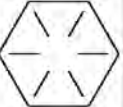
Tube Nuts for 37° Flared Fittings								O-Ring Boss Plugs, Adjustable Fitting Lock Nuts, Swivel JIC - 37 ° Seats			
Size	Tubing OD		Thread Size	ft-lbs		Nm		ft-lbs		Nm	
	Inches	mm		Min	Max	Min	Max	Min	Max	Min	Max
4	1/4	6.4	7/16-20	9	12	12	16	6	10	8	14
5	5/16	7.9	1/2-20	12	15	16	20	10	15	14	20
6	3/8	9.5	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

