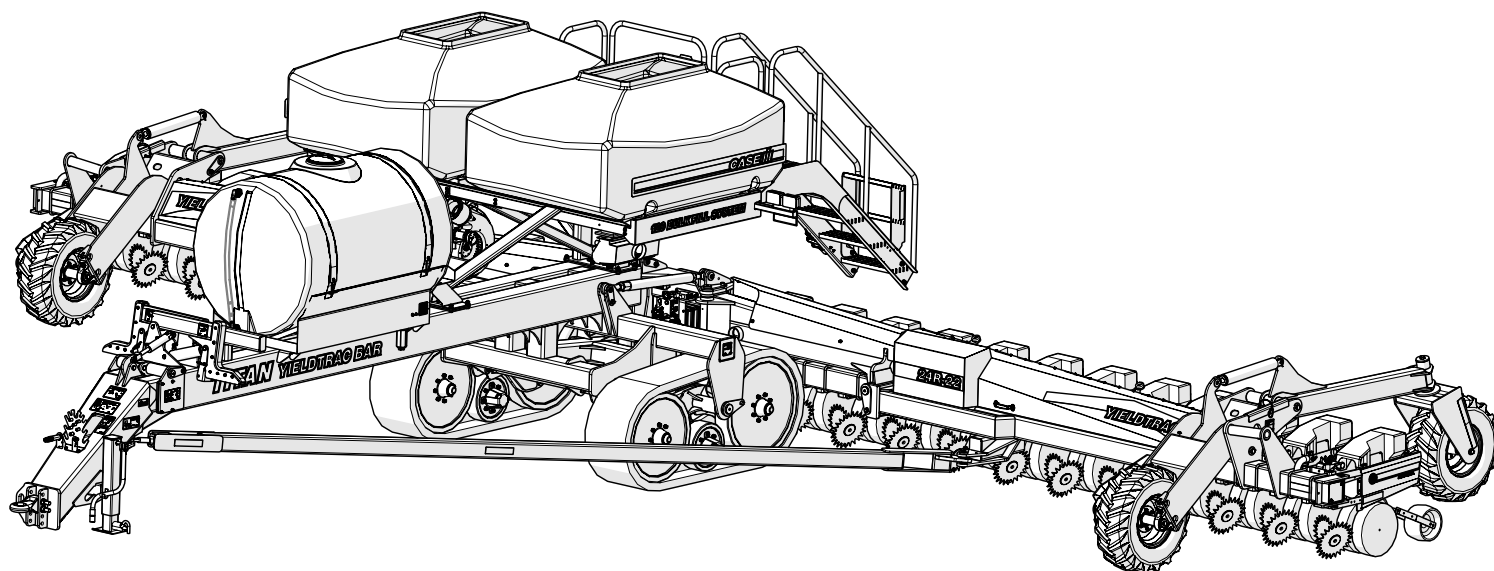




Titan Yieldtrac 24R-22

(24 Row 22)

Front Fold Trailing Planter

Year 2013 Model

Parts Catalog

Part number T0051814

1st edition English

April 2013

TITAN
MACHINERY

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. Titan Machinery Inc. assumes no obligation of notice to holders of this document with respect to changes subsequently made.

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Preface

This catalog is intended for use for the Titan Yieldtrac Planter Bar 24R22

Revision History

Issue	Date	Reasons for Change
T0051814	April 26th 2013	Preliminary Release
T0051814	May 16th 2013	Preliminary Release
T0051814	May 22nd 2013	Preliminary Release
T0051814	May 30th 2013	Preliminary Release
T0051814	June 17th 2013	Release
T0051814	June 16th 2014	Revision
T0051814	March 24th 2024	Revision

HOW TO USE THIS CATALOG AND LOCATE PARTS

This catalog is divided into Item Class Groups in which illustrations for parts of a similar function and/or location are published.

Option 1:

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

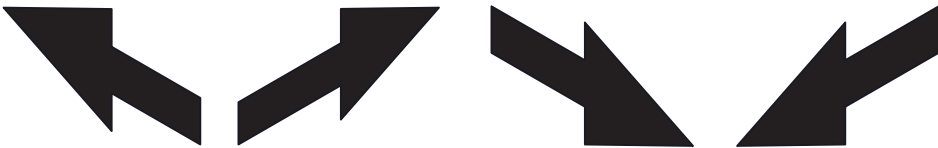
Option 2:

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

Determining Orientation:

Front, Back, Left, and Right are determined by the operator sitting in the tractor seat facing the forward direction of travel.

The symbols shown below, will be on certain pages in this Parts Catalog, and where indicated, determine the front of the machine.



PARTS ORDERING INFORMATION

If you need service or parts for your machine:

For service assistance or parts, contact your nearest authorized Titan Machinery dealer. Your nearest authorized Titan Machinery 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 Titan Machinery, and Case IH replacement parts should be used to service or repair the machine. Titan Machinery replacement parts are available from your Titan Machinery 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 Titan dealer the model number and serial number of your Yieldtrac Planter Bar 24R22 product when ordering parts, requesting service, or any other information to provide the most efficient service.

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

TITAN		Titan Machinery Inc West Fargo, ND 58078 U.S.A.
MODEL #	Made In USA	
YIELDTRAC TM24R-22		
SERIAL #		
TM24R22XXXXXX		

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

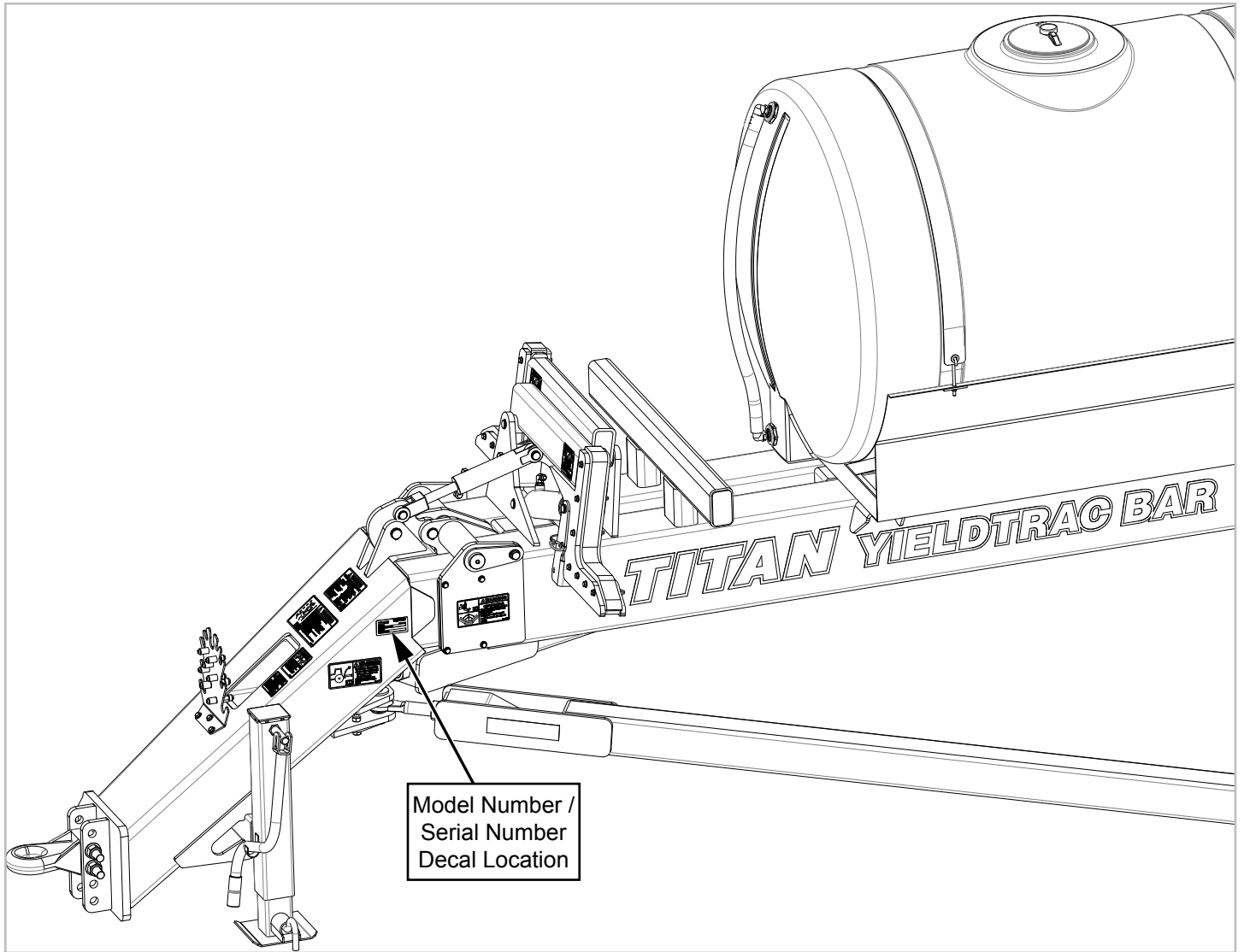


Fig. # 1-2 Model Number / Serial Number Decal

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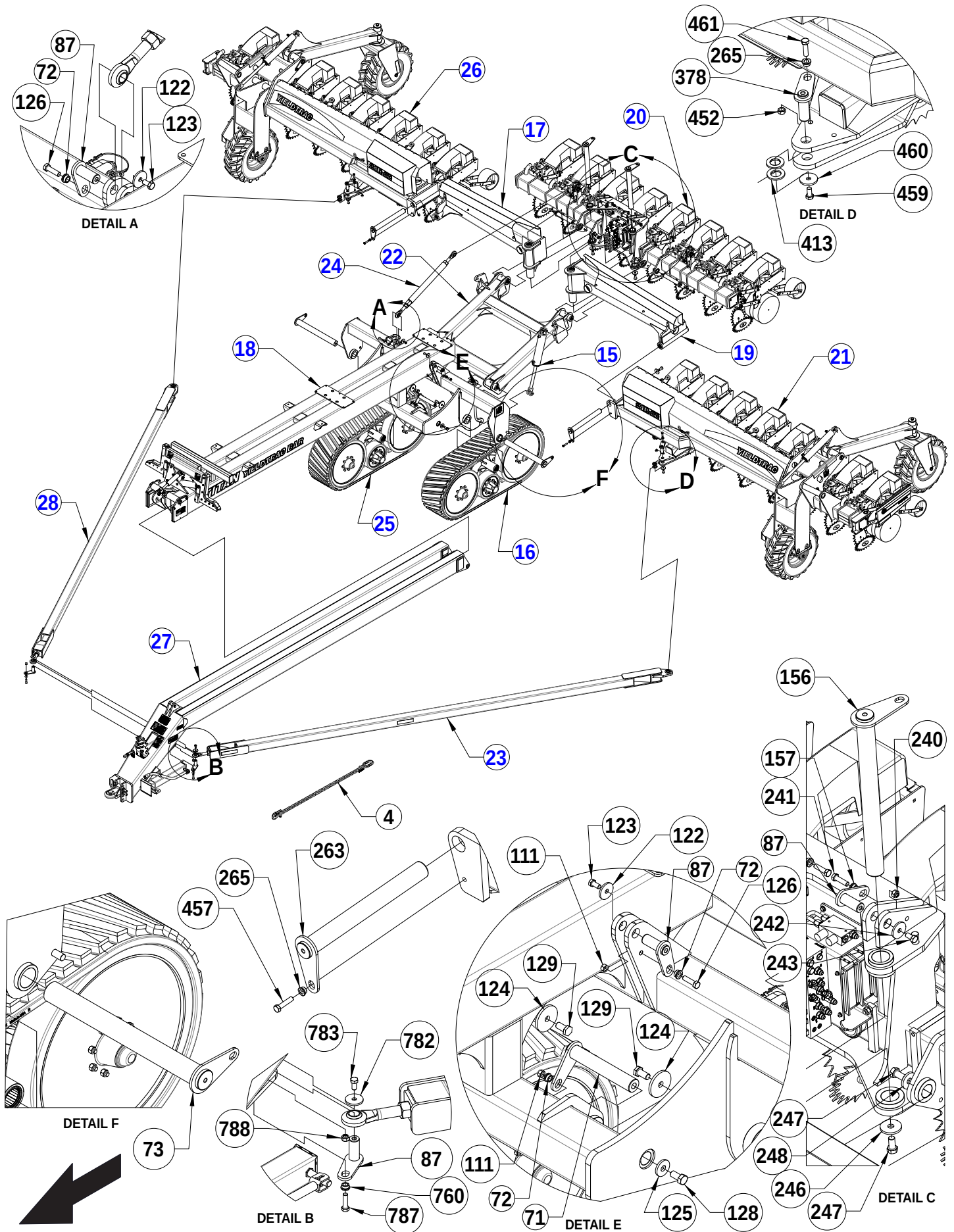
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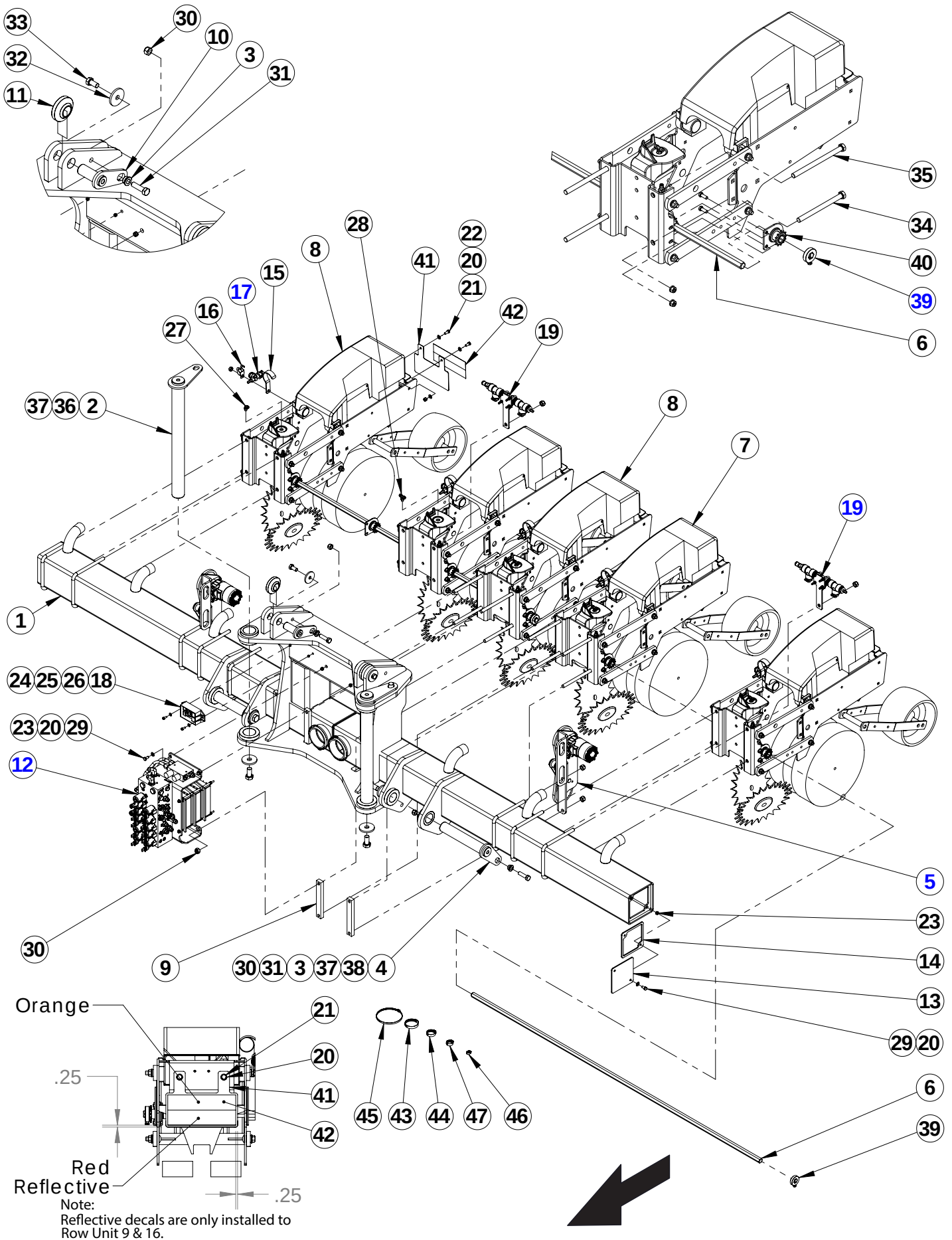
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24R22 Parts Catalog

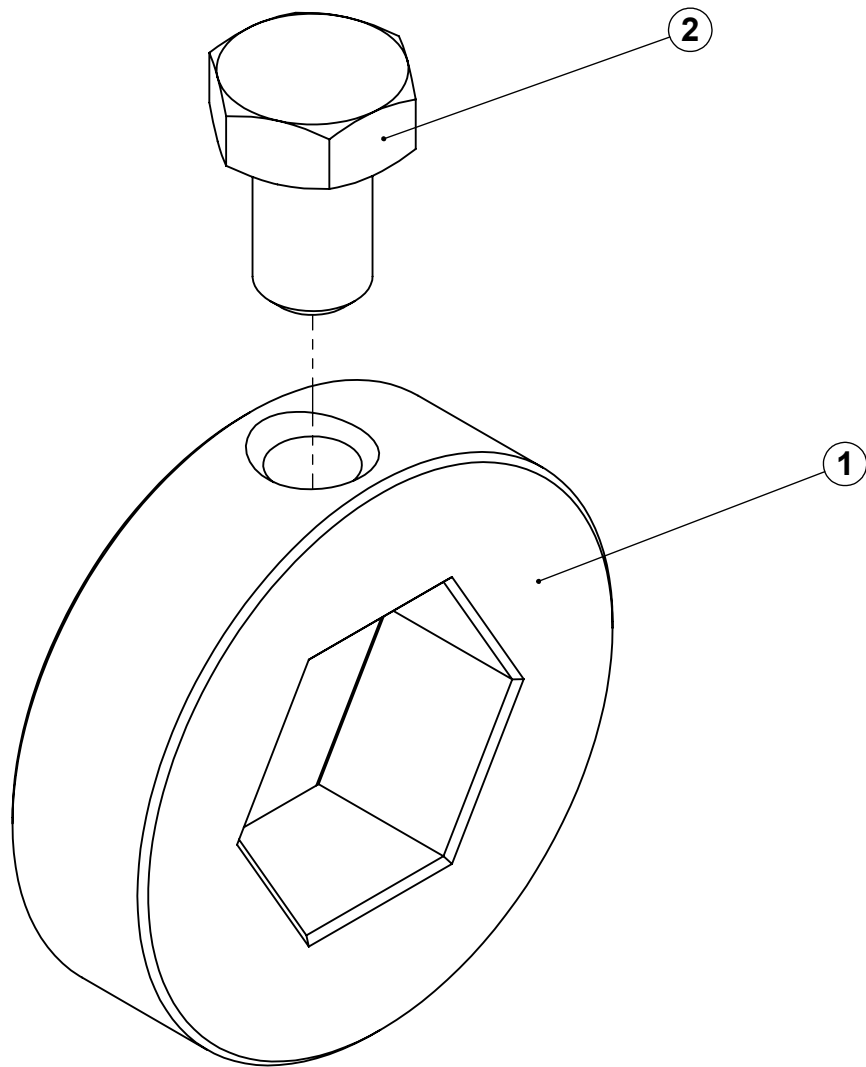


TA00529 Yieldtrac Bar 24R-22

ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	B17704		Bulk Oil - Hytran (per Gallon)	15	
2	T0051504		Harness - Seed Sensor Extension 13'	2	
3	T0051505		Harness - Speed Sensor Extension 20'	2	
4	T0051511		Assy, Safety Chain-61,000 lbs 80"	1	
5	T0051552		Gasket - Rubber (25' Roll)	1	
6	T0051572		Hose Sleeve - 1.25" ID x 6.00"	24	
7	T0051595		Decal, Notice-Fan Motor Case Drain	1	
8	T0051654		Decal Kit - Hose ID	1	
9	T0051670	87501726	Hose-Vacuum 2" (50' Roll)	1.5	
10	T0051671	87501726	Hose-Vacuum 4.5" (50' Roll)	0.2	
11	T0051672	87483976	Hose-1.00" PVC (100' Roll)	5	
12	T0051673	87483977	Hose-1.25" PVC (100' Roll)	0.12	
13	T0051678		Decal, Notice-Motor Return Line	1	
14	T0051711		Split Loom - .250" (per foot)	15	
15	TA00545		Cylinder-Hyd 3.75X14.00 Reph	2	
16	TA00583		Track Assy, LH	1	
17	TA00626		RH Stub Bar Assy	1	
18	TA00587		Track Carrier	1	
19	TA00601		LH Stub Arm Assy	1	
20	TA00608		Center Bar Assy	1	
21	TA00609		LH Wing Assy	1	
22	TA00611		Main Lift Assy	1	
23	TA00612		Assy, Tow Bar - LH	1	
24	TA00613		Upper Link Assy	2	
25	TA00647		Track Assy, RH	1	
26	TA00627		RH Wing Assy	1	
27	TA00637		Hitch Assy	1	
28	TA00657		Assy, Tow Bar - RH	1	
29	TA00661		Hose Kit - TM24R22 (Not Shown)	1	
71	TW000615		Pin Weldment	2	
72	T0050854		Anti Rotation Insert	6	
73	TW000584		Pin Weldment	2	
87	TW000630		Pin Weldment	2	
111	NLNut-0.6250-11-YZ8		NLNut-0.6250-11-YZ8	8	
122	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	4	
123	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	4	
124	HD Washer 0.89 x 4.00		HD Washer .875 x 4.0	2	
125	HD Washer 0.89 x 2.50		HD Washer 0.89 x 2.50	2	
126	HBolt-0.6250-11x2.250-YZ8		HBolt-0.6250-11x2.250-YZ8	6	
128	HBolt-0.8750-9x1.750-YZ8		HBolt-0.8750-9x1.750-YZ8	2	
156	TW000585		Pin Weldment	2	
157	T0050854		Anti Rotation Insert	4	
240	NLNut-0.6250-11-YZ8		NLNut-0.6250-11-YZ8	6	
241	HBolt-0.6250-11x2.250-YZ8		HBolt-0.6250-11x2.250-YZ8	4	
242	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	2	
243	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	2	
246	HD Washer 0.89 x 3.00		HD Washer 0.89 x 3.00	2	
247	HBolt-0.8750-9x1.750-YZ8		HBolt-0.8750-9x1.750-YZ8	4	
248	HD Washer 0.89 x 2.50		HD Washer 0.89 x 2.50	2	
263	T0050966		Pin Flag	1	
264	T0051082		Pivot Pin	1	
265	T0050854		Anti Rotation Insert	4	
378	TW000650		Pin Weldment	1	
413	T0051444		Spacer Tow Bar	2	
452	NLNut-0.6250-11-YZ8		NLNut-0.6250-11-YZ8	4	
457	HBolt-0.6250-11x2.750-YZ8		HBolt-0.6250-11x2.750-YZ8	1	
459	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	1	
460	HD Washer 0.64 x 2.50		HD WASHER 0.64 X 2.50	1	
461	HBolt-0.6250-11x2.250-YZ8		HBOLT-0.6250-11X2.250-YZ8	1	
760	T0050854		ANTI ROTATION INSERT	2	
782	HD Washer 0.64 x 2.50		HD WASHER 0.64 X 2.50	2	
783	HBolt-0.6250-11x1.250-YZ8		HBOLT-0.6250-11X1.250-YZ8	2	
787	HBolt-0.6250-11x2.250-YZ8		HBOLT-0.6250-11X2.250-YZ8	2	
788	NLNut-0.6250-11-YZ8		NLNUT-0.6250-11-YZ8	2	

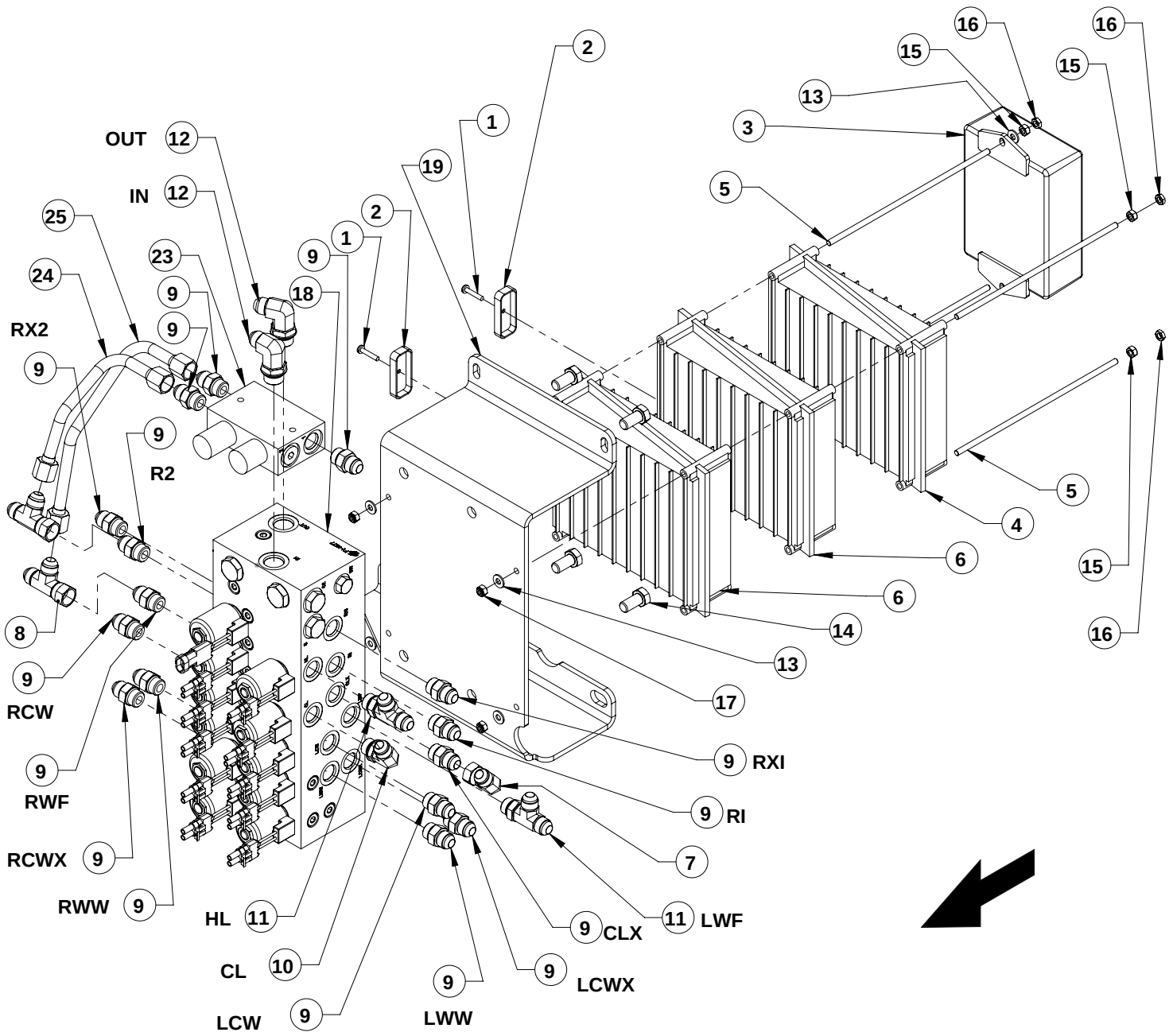


TA00608 Center Bar Assy					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (FT-LBS)
1	TW000581		2422 Center Bar Weldment	1	
2	TW000585		Pin Weldment	2	
3	T0050854		Anti Rotation Insert	4	
4	TW000615		Pin Weldment	2	
5	TA00645		Seed Drive Assy - Center Bar	2	
6	T0051109		Hex Shaft	2	
7	47412986		Assy, CNH LH Row Unit	4	
8	47412987		Assy, CNH RH Row Unit	4	
9	T0051288		Tap Bar	4	
10	TW000630		Pin Weldment	2	
11	T0051091		1-7/16" Weld On Ball Joint	2	
12	TA00664		Assy, Lift & Fold Valve	1	
13	T0051172		Clean Out Cover	2	
14	T0051372		Seal, Clean Out Cover	2	
15	T0051383		Clamp, Hose Row Unit	8	
16	T0051533		Tee Jet Clip	8	
17	TA00674		Tee Jet Valve Assy	8	
18	86561136		Module, Implement Lighting Control	1	
19	TA00679		Manifold Fertilizer Center Bar	2	
20	FW-SAE-0.375-YZ		FW-SAE-0.375-YZ	14	
21	HBolt-0.3750-16x0.875-YZ8		HBolt-0.3750-16x0.875-YZ8	4	
22	NLNut-0.3750-16-YZ8		NLNut-0.3750-16-YZ8	4	
23	RivNut-0.3750x16-Cd		RivNut-0.3750x16-Cd	6	
24	RivNut-0.2500x20-Cd		RivNut-0.2500x20-Cd	2	
25	HBolt-0.2500-20x0.750-YZ8		HBolt-0.2500-20x0.750-YZ8	2	
26	FW-SAE-0.250-YZ		FW SAE 0.250-YZ	2	
27	T0051524	84394592	Air Fitting - Elbow 1/4" Tube x 1/8" Pipe	2	
28	T0051523	84250155	Air Fitting - Branch Tee 1/4" Tube x 1/8" Pipe	6	
29	HBolt-0.3750-16x0.750-YZ8		HBolt-0.3750-16x0.750-YZ8	6	
30	NLNut-0.6250-11-YZ8		NLNut-0.6250-11-YZ8	6	
31	HBolt-0.6250-11x2.250-YZ8		HBolt-0.6250-11x2.250-YZ8	4	
32	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	2	
33	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	2	
34	HBolt-0.6250-11x8.000-YZ8		HBolt-0.6250-11x8.000-YZ8	6	
35	HBolt-0.6250-11x9.000-YZ8		HBolt-0.6250-11x9.000-YZ8	2	
36	HD Washer 0.89 x 3.00		HD Washer 0.89 x 3.00	2	
37	HBolt-0.8750-9x1.750-YZ8		HBolt-0.8750-9x1.750-YZ8	4	
38	HD Washer 0.89 x 2.50		HD Washer 0.89 x 2.50	2	
39	TA00688		Assy, Hex Lock Collar w Bolt	2	
40	413712A1		Sprocket, 1.90 OD x 1.88" 12T w Bearing	8	
41	T0051736		Brckt, Rear Row Unit Reflector	2	
42	T0051727		Decal, Reflector,Red,Orange-2x18	2	
43	HClamp-SAE-32-SS		HClamp-SAE-32-SS	1	
44	HClamp-SAE-16-SS		HClamp-SAE-16-SS	1	
45	HClamp-SAE-512-SS		HClamp-SAE-512-SS	3	
46	HClamp-SAE-05-SS		HClamp-SAE-05-SS	1	
47	HClamp-SAE-10-SS		HClamp-SAE-10-SS	1	



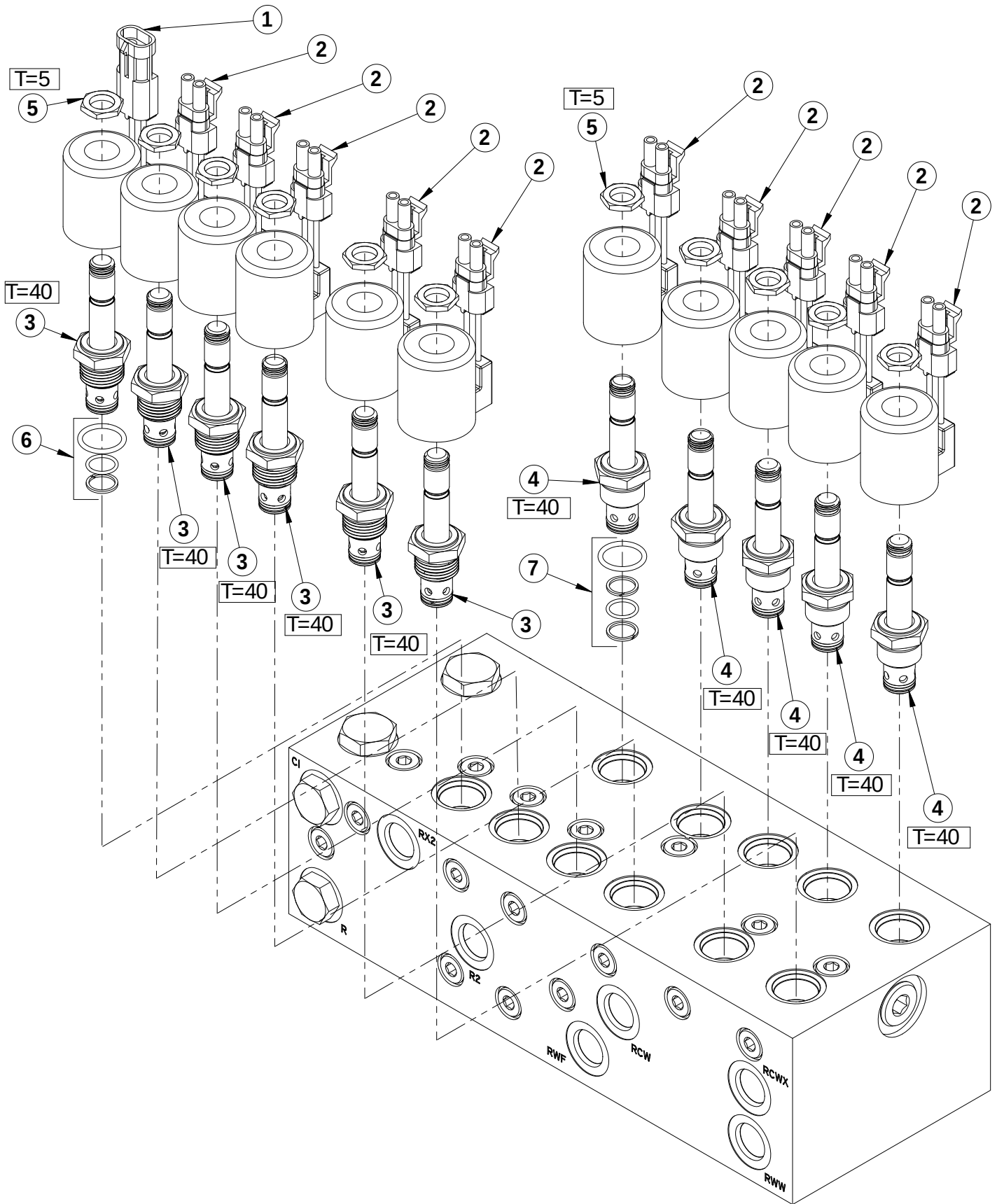
TA00688 Assy, Hex Lock Collar w Bolt

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HLCOLLAR-0.875YZ	Hex Lock Collar 7/8	1	
2	HB-0.313-18X0.50Y8	Bolt, Hex Hd 5/16-18x1/2-YZ8	1	



TA00664 Assy, Lift & Fold Valve				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	470-11016	SL-PHMS #10-24x1.000-YZ	2	
2	425269A1	Dust Cap 30-Pin	2	
3	84170217	Valve Pneumatic Clutch	1	
4	84388675	MODULE, RATE,IB	1	
5	87170674	Rod, Threaded .2500-20UNC X 10.000	4	
6	87588172	MODULE, FRM,IB	2	
7	ADAPTER 08MJ-08FJX 90	ADAPTER 08MJ-08FJX 90	1	
8	ADAPTER 08MJ-08FJX-08MJ TEE	ADAPTER 08MJ-08FJX-08MJ TEE	2	
9	ADAPTER 08MJ-08MB	ADAPTER 08MJ-08MB	15	
10	ADAPTER 08MJ-08MB 90	ADAPTER 08MJ-08MB 90	1	
11	ADAPTER 08MJ-08MB-08MJ TEE	ADAPTER 08MJ-08MB-08MJ TEE	2	
12	ADAPTER 08MJ-10MB 90	ADAPTER 08MJ-10MB 90	2	
13	FW-SAE-0.250-YZ	FW SAE 0.250-YZ	6	
14	HBolt-0.5000-13x1.000-YZ8	HBolt-0.5000-13x1.000-YZ8	4	
15	HNut-0.2500-20-YZ8	HNut-0.2500-20-YZ8	4	
16	JNut-0.2500-20-YZ8	JNUT 0.25-20-YZ8	4	
17	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	4	
18	T0051135	Valve - Lift & Fold	1	
19	T0051377	Valve Mtg Plate	1	
20	T0051438	Harness - Coil Simulator	2	
21	T0051439	Harness - Coil Simulator	1	
22	T0051440	Harness - Wing Fold Power Relay	1	
23	T0051749	Valve - Cross Over Relief	1	
24	T0051752	Tube Assy - Relief Valve Short	1	
25	T0051753	Tube Assy - Relief Valve Long	1	

Note:**P/N T0051438, T00514439, & T0051440 Not Shown**

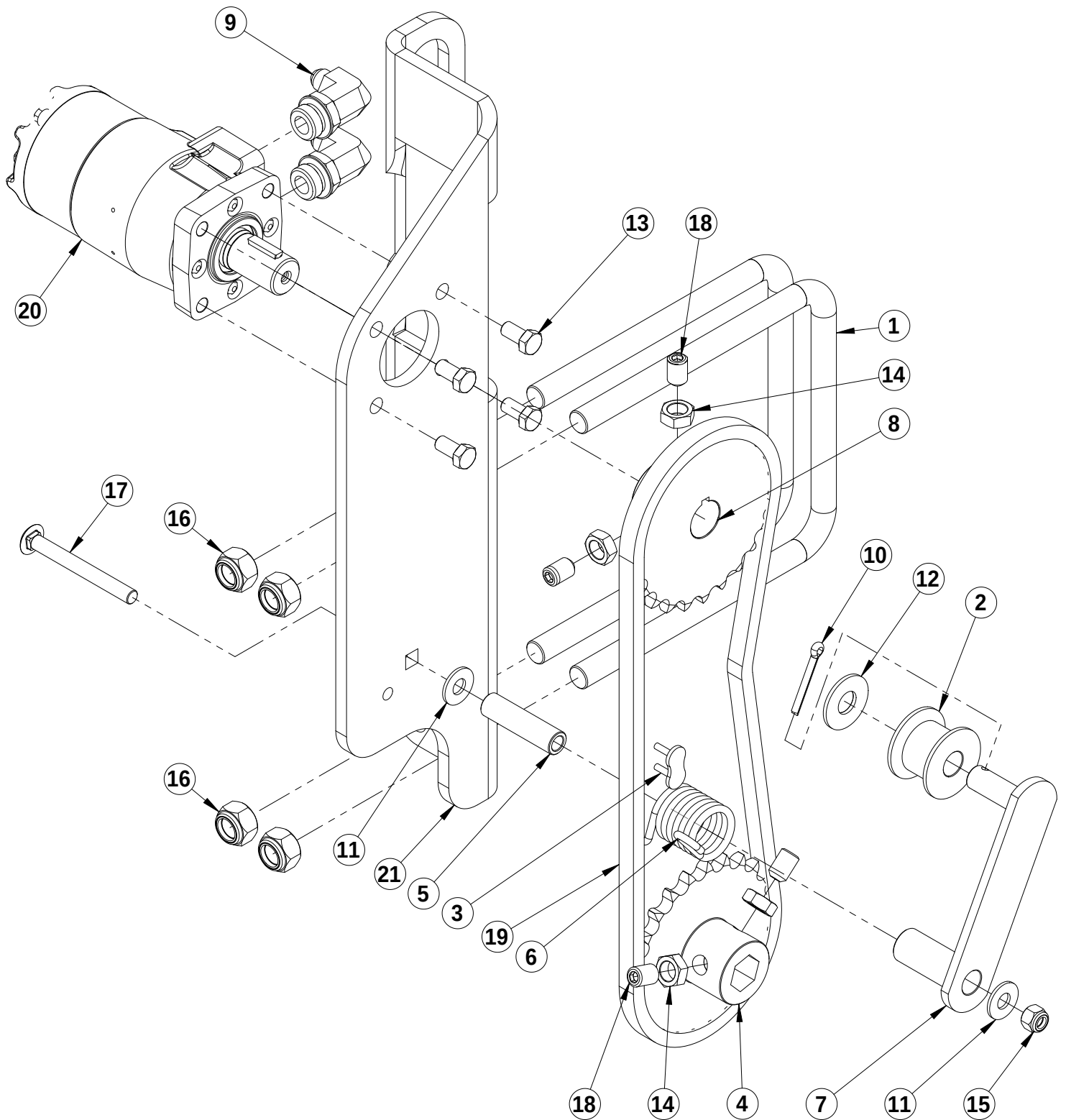


T0051135 Valve - Lift & Fold

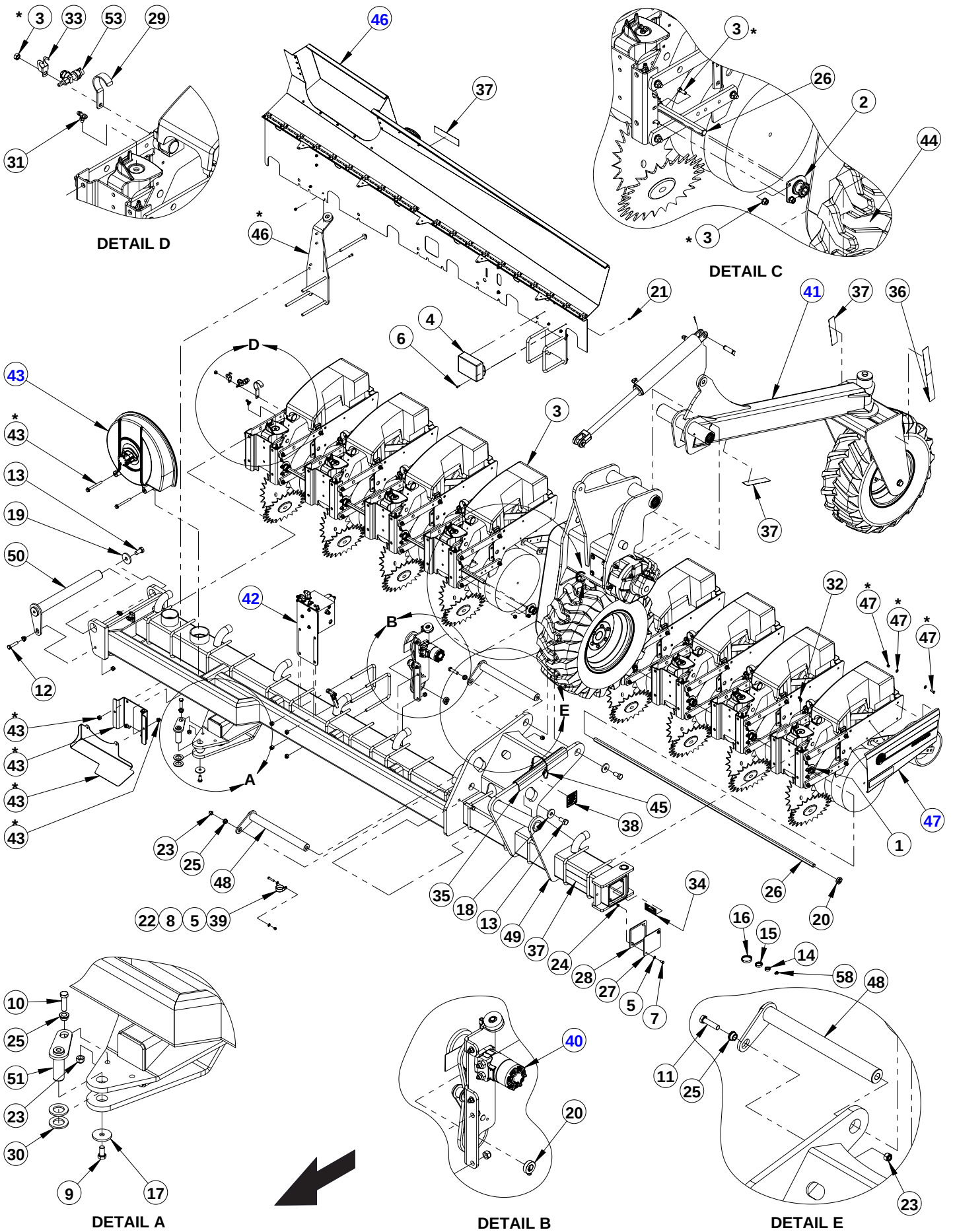
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	1340843C1	Coil	1	-
2	87506121	Coil	10	-
3	87436627	Assy, Valve Uni-Directional Cartridge	6	40
4	87506119	Assy, Valve Bi-Directional Cartridge	5	40
5	73113425	Nut	11	5
6	86508168	Seal Kit	1	-
7	126054A1	Seal Package	1	-

Note:

T = Torque Expressed in ft-lbs.



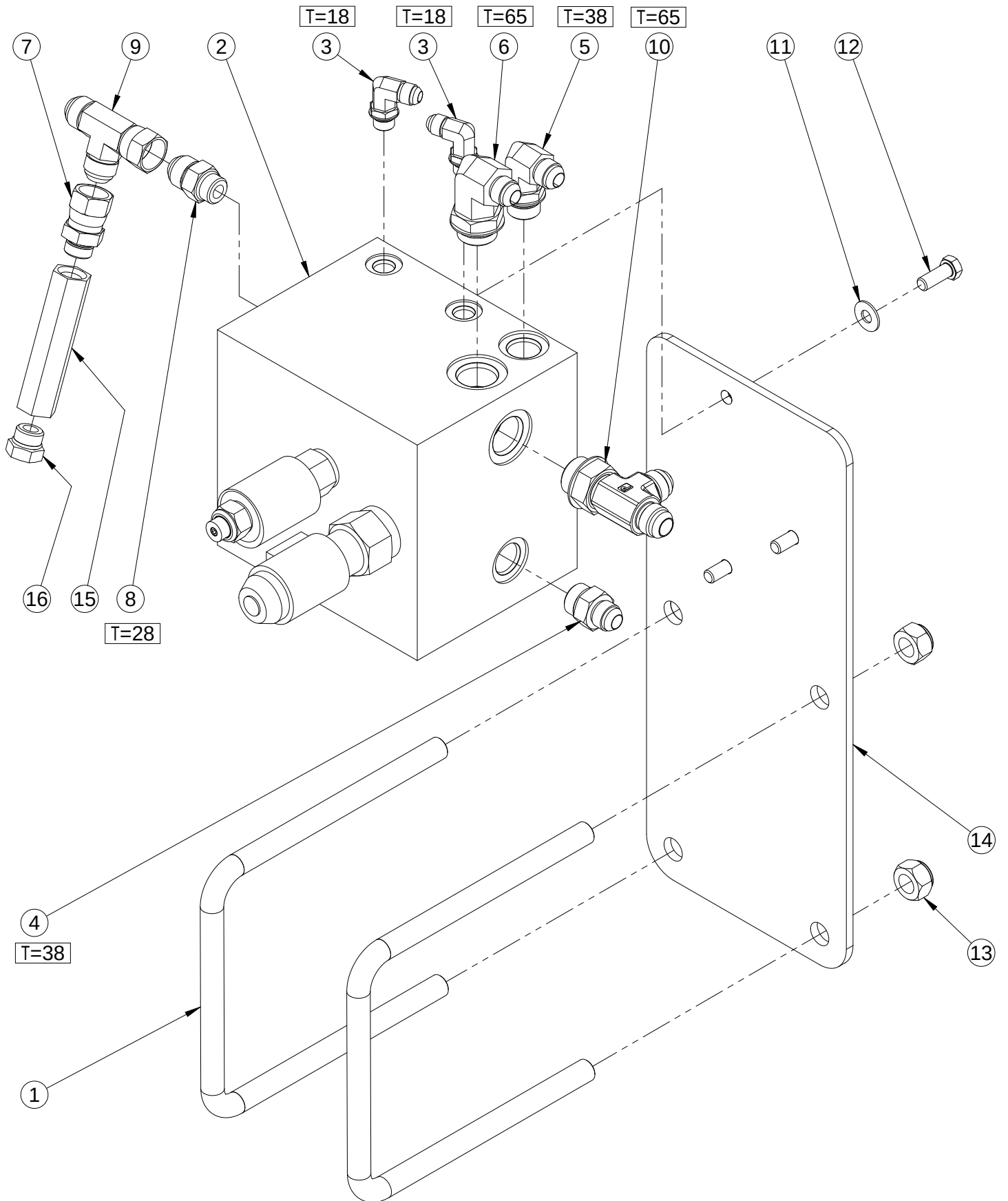
TA00645 Seed Drive Assy - Center Bar					
ITEM	PART NUMBER	CASE PART NUMBER	DESCRIPTION	QTY.	TORQUE (FT-LBS)
1	1250813C1		U BOLT	2	
2	1277726C1		TENSIONER ROLLER	1	
3	87034815		CONNECTOR LINK #50	1	
4	87503169		24 TOOTH .875 HEX BORE SPROCKET	1	
5	87505783		SEED DRIVE TENSIONER BUSHING	1	
6	87505794		SPRING TENSIONER IDLER LH WOUND	1	
7	87550916		CHAIN TENSION PIVOT	1	
8	87694455		24 TOOTH 1 INCH BORE SPROCKET	1	
9	ADAPTER 06MJ-10MB 90		ADAPTER 06MJ-10MB 90	2	
10	COTTERPIN-.1875X1.500		COTTERPIN-.1875X1.500	1	
11	FW-USS-0.375-YZ		FW-USS-0.375-YZ	2	
12	FW-USS-0.563-YZ		FW USS 0.563-YZ	1	
13	HBOLT-0.3750-16X0.750-YZ8		HBOLT-0.3750-16X0.750-YZ8	4	
14	JNUT-0.5000-13-YZ8		JNUT 0.50-13-YZ8	4	
15	NLNUT-0.3750-16-YZ8		NLNUT-0.3750-16-YZ8	1	
16	NLNUT-0.6250-11-YZ8		NLNUT-0.6250-11-YZ8	4	
17	RHSNBOLT-0.3750-16X3.500 - YZ8		RHSNBOLT-0.3750-16X3.500 - YZ8	1	
18	SSCREW-0.5000-13X0.750-CUP		SSCREW-0.5000-13X0.750-CUP	4	
19	T0051312		METER DRIVE CHAIN RC50 66-PITCH	1	
20	T0051314	87752460	MOTOR, HYD, SEED DRIVE	1	
21	T0051554		SEED DRIVE BRKT	1	



TA00609 LH Wing Assy					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	102724A2		Bearing	1	
2	413712A1		Sprocket, 1.90 OD x 1.88" 12T w Bearing	7	
3	47412986		Assy, CNH LH Row Unit	8	
4	84170217		Valve Pneumatic Clutch	1	
5	FW-SAE-0.375-YZ		Washer, Flat SAE 3/8" YZ	4	
6	HBolt-0.2500-20x0.750-YZ8		HBolt-0.2500-20x0.750-YZ8	2	
7	HBolt-0.3750-16x0.750-YZ8		HBolt-0.3750-16x0.750-YZ8	2	
8	HBolt-0.3750-16x1.750-YZ8		HBolt-0.3750-16x1.750-YZ8	1	
9	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	1	
10	HBolt-0.6250-11x2.250-YZ8		HBolt-0.6250-11x2.250-YZ8	1	
11	HBolt-0.6250-11x2.500-YZ8		HBolt-0.6250-11x2.500-YZ8	2	
12	HBolt-0.6250-11x2.750-YZ8		HBolt-0.6250-11x2.750-YZ8	1	
13	HBolt-0.8750-9x1.750-YZ8		HBolt-0.8750-9x1.750-YZ8	3	
14	HClamp-SAE-10-SS		HClamp-SAE-10-SS	11	
15	HClamp-SAE-16-SS		HClamp-SAE-16-SS	16	
16	HClamp-SAE-32-SS		HClamp-SAE-32-SS	8	
17	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	1	
18	HD Washer 0.89 x 2.50		HD Washer 0.89 x 2.50	2	
19	HD Washer 0.89 x 3.00		HD Washer 0.89 x 3.00	1	
20	HLCOLLAR 0.875-YZ		Hex Lock Collar 7/8	2	
21	NLNut-0.2500-20-YZ8		NLNut-0.2500-20-YZ8	2	
22	NLNut-0.3750-16-YZ8		NLNut-0.3750-16-YZ8	1	
23	NLNut-0.6250-11-YZ8		Nut, Nylock-5/8-11-YZ8	4	
24	RivNut-0.3750x16-Cd		RivNut-0.3750x16-Cd	2	
25	T0050854		Anti Rotation Insert	4	
26	T0051109		Hex Shaft	2	
27	T0051172		Clean Out Cover	1	
28	T0051372		Seal, Clean Out Cover	1	
29	T0051383		Clamp, Hose Row Unit	8	
30	T0051444		Spacer Tow Bar	2	
31	T0051523	84250155	Air Fitting - Branch Tee 1/4" Tube x 1/8" Pipe	7	
32	T0051524	84394592	Air Fitting - Elbow 1/4" Tube x 1/8" Pipe	1	
33	T0051533		Tee Jet Clip	8	
34	T0051649		Decal, Serial-Model Number	1	
35	T0051681		Channel - Wing Cylinder Stop	1	
36	T0051727		Decal, Reflector,Red,Orange-2x18	1	
37	T0051729		Decal, Reflector,Yellow-2x9	4	
38	T0051737		Decal, Warning, Crush Haz Service Wing Wheel	1	
39	T0051748		Clamp, Cushion Tube 1.750 Ø.406 Hole	1	
40	TA00619		Seed Drive Assy - Wing	1	
41	TA00621		Wing Wheel Assy	1	
42	TA00638		Assy, Muti-Valve	1	
43	TA00640		Assy, Fan With Mount	1	
44	TA00654		Assy, Coupler	1	
45	TA00659		Assy, Hitch Pin With Lanyard	1	
46	TA00667		LH Wing Shield Assy	1	
47	TA00669		Assy, Row Unit End Plate-LH	1	
48	TW000572		Pin Weldment	2	
49	TW000586		LH Wing Weldment	1	
50	TW000611		Pin Weldment	1	
51	TW000650		Pin Weldment	1	
52	T0051529		Tee Jet Check Valve Assy	8	
53	T0051530		TeeJet 1/4 Inch Hose Adaptor	8	
54	T0051531		Orifice - .047	8	
55	T0051532		Orifice Seal	8	
56	T0051544		Hose Barb 1/4" FPT x 3/8" HB	8	
57	HBolt-0.3125-18x0.500-YZ8		Bolt, Hex Head-5/16-18x1/2-YZ8	1	
58	HClamp-SAE-06-SS		Hose Clamp, SAE #6-SS	16	

Note:

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

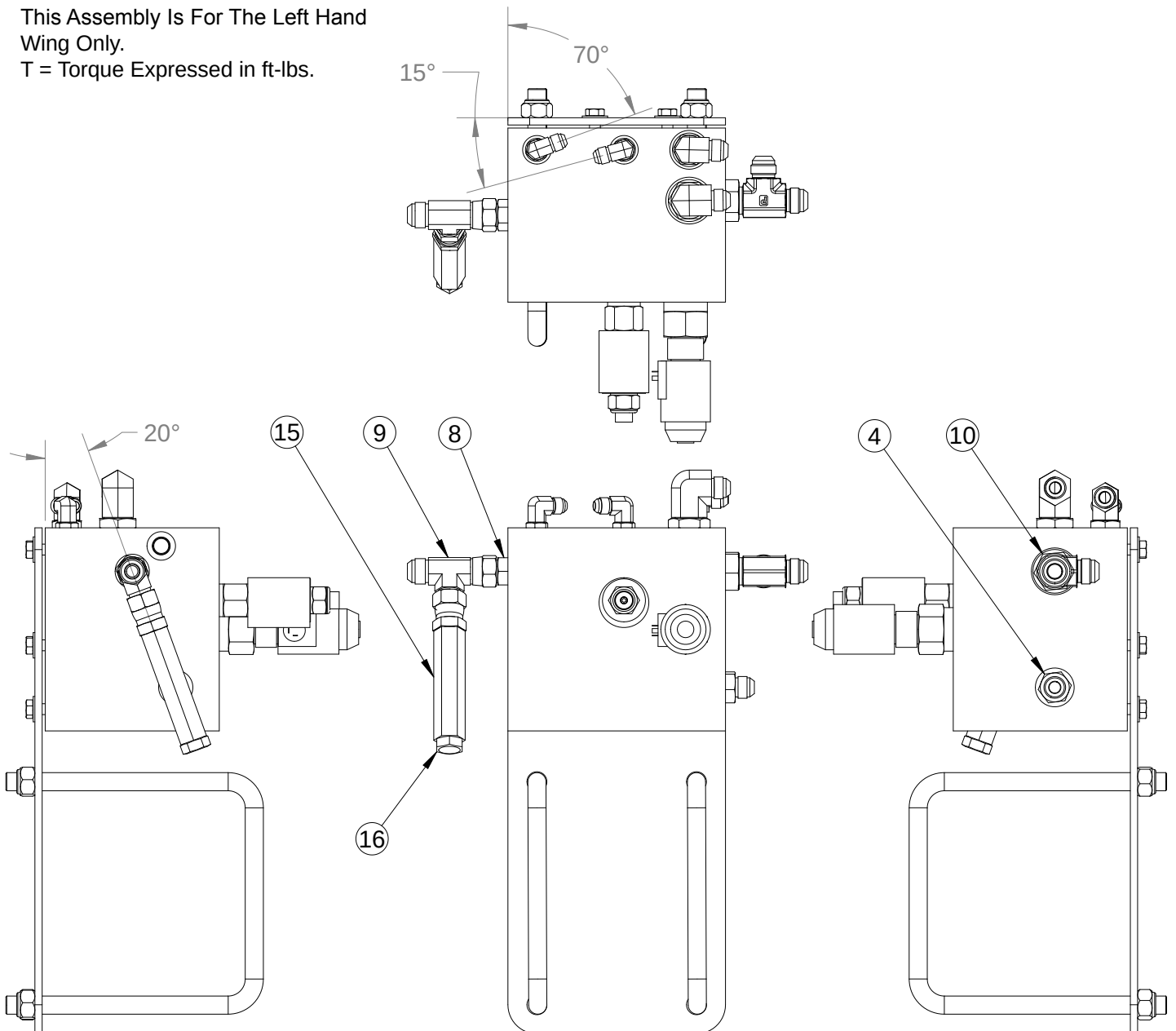


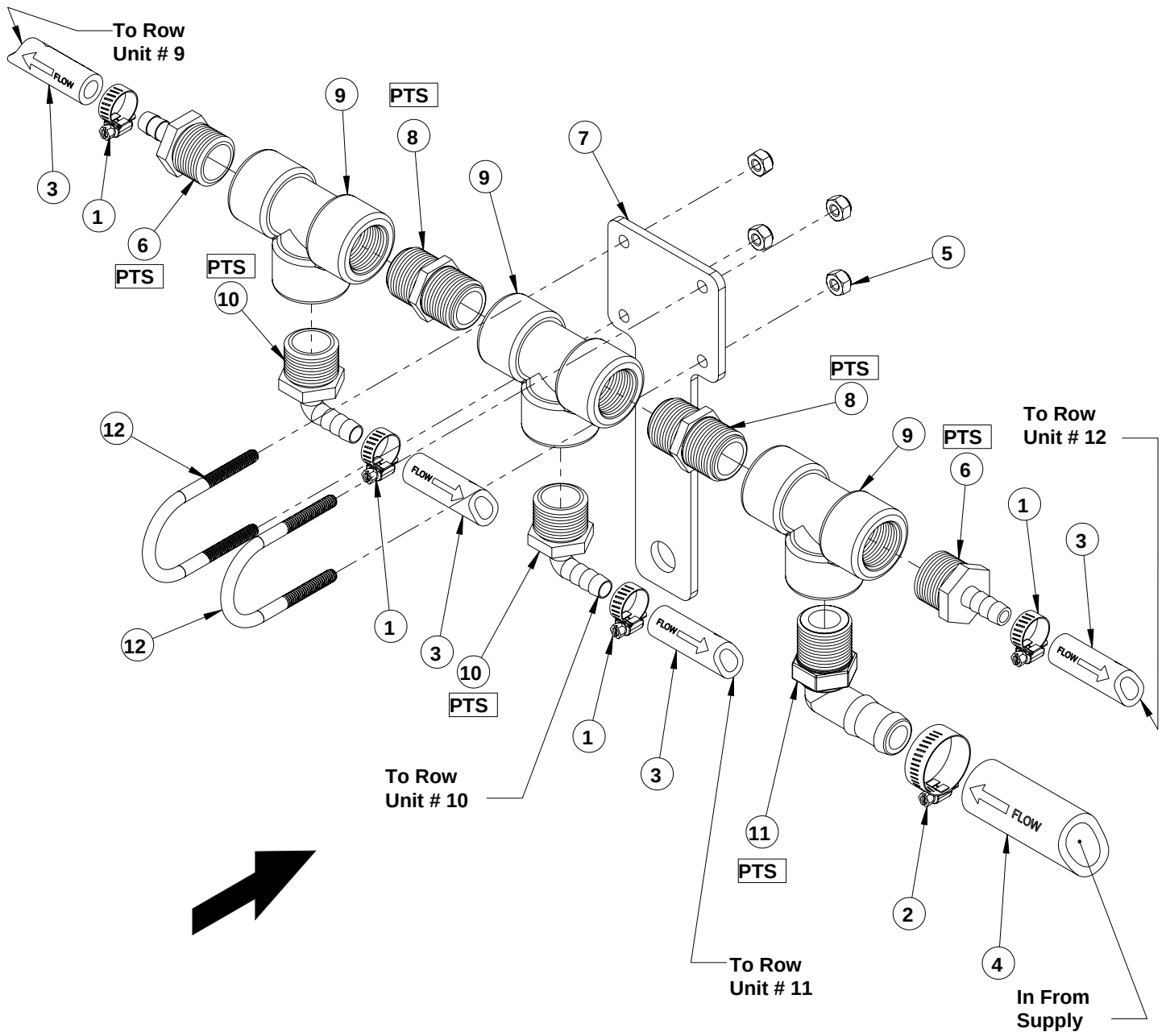
TA00638 Assy, Multi-Valve

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	1250813C1	U Bolt	2	
2	84538086	VALVE, MULTI W 1 SEED, DD	1	
3	ADAPTER 06MJ-06MB 90	ADAPTER 06MJ-06MB 90	2	18
4	ADAPTER 08MJ-10MB	ADAPTER 08MJ-10MB	1	38
5	ADAPTER 08MJ-10MB 90	ADAPTER 08MJ-10MB 90	1	38
6	ADAPTER 08MJ-12MB 90	ADAPTER 08MJ-12MB 90	1	65
7	ADAPTER 10FJX-8MB	ADAPTER 10FJX-8MB	1	
8	ADAPTER 10MJ-08MB	ADAPTER 10MJ-08MB	1	28
9	ADAPTER 10MJ-10FJX-10MJ TEE	ADAPTER 10MJ-10FJX-10MJ TEE	1	
10	ADAPTER 10MJ-12MB-10MJ TEE	ADAPTER 10MJ-12MB-10MJ TEE	1	65
11	FW-USS-0.313-YZ	FW-USS-0.313-YZ	3	
12	HBolt-0.3750-16x1.000-YZ8	HBolt-0.3750-16x1.000-YZ8	3	
13	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	4	
14	T0050591	Brkt, MultiValve Mtg	1	
15	T0051738	Valve, Pressure Relief	1	
16	T0051967	Breather - 8MB	1	

This Assembly Is For The Left Hand Wing Only.

T = Torque Expressed in ft-lbs.





TA00751 Assy,Manifold Fert Cen Bar-LH				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HClamp-SAE-05-SS	HClamp-SAE-05-SS	4	
2	HClamp-SAE-10-SS	HClamp-SAE-10-SS	1	
3	Hose-Ø.375 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	4	
4	Hose-Ø.75 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	1	
5	NLNut-0.2500-20-SS	NLNut-0.2500-20-SS	4	
6	T0051543	Hose Barb 3/4" MPT x 3/8" HB	2	
7	T0051555	Mount Fertilizer Manifold	1	
8	T0051557	Nipple 3/4" Short	2	
9	T0051558	Tee 3/4" Threaded	3	
10	T0051641	3/4" MPT x 3/8" HB Elbow	2	
11	T0051644	3/4" MPT x 3/4" HB Elbow	1	
12	UBolt-0.2500x1.50x2.75-RB-SS	UBolt-0.2500x1.50x2.75-RB-SS	2	

Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.
2. For item # 3, use P/N T0051674 Hose-0.38" Spray (100' Roll)
3. For item # 4, use P/N T0051957 Hose,Ø.75ID AG Spray 200(100' Roll)

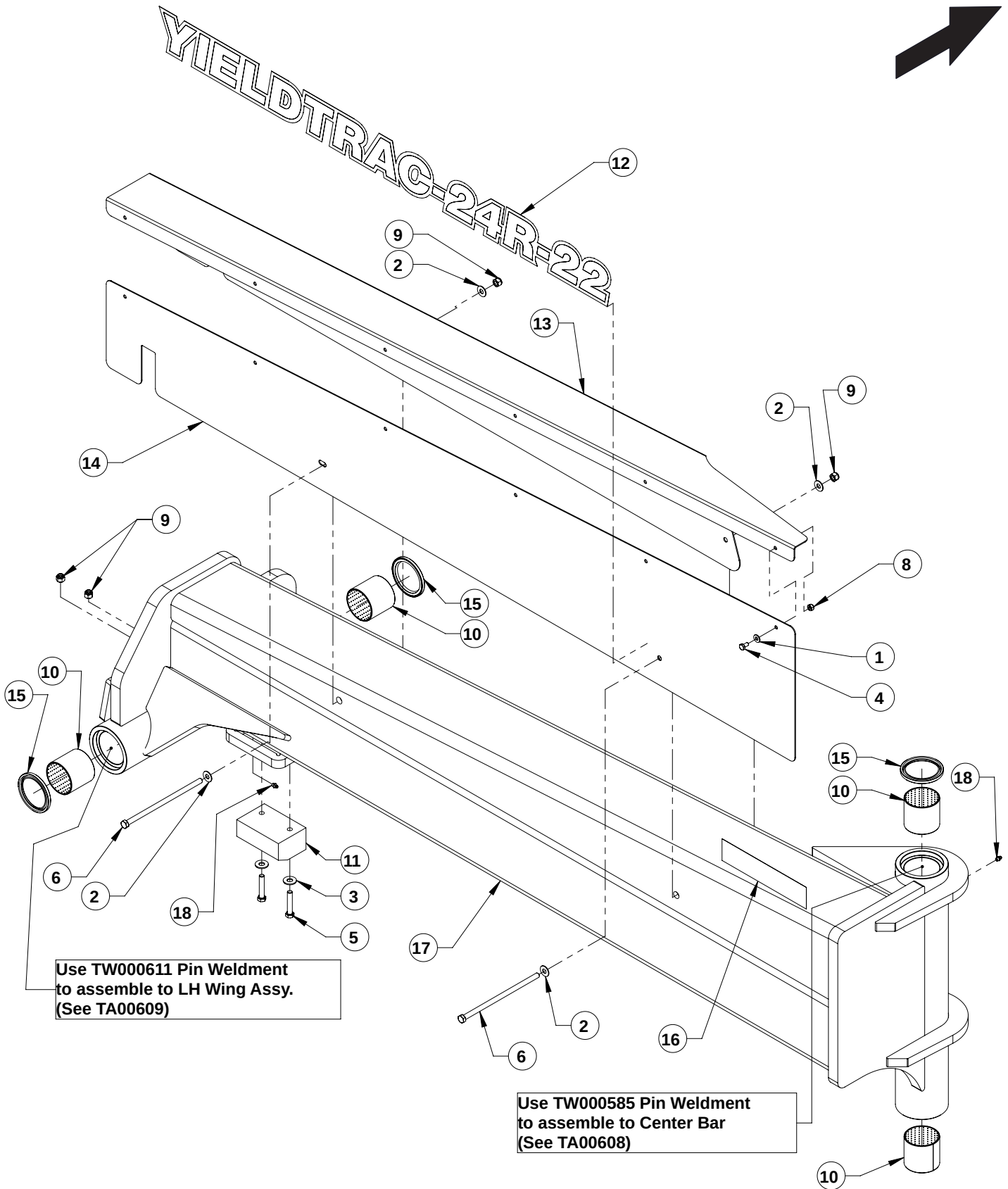


TA00679 Assy,Manifold Fert Cen Bar-RH

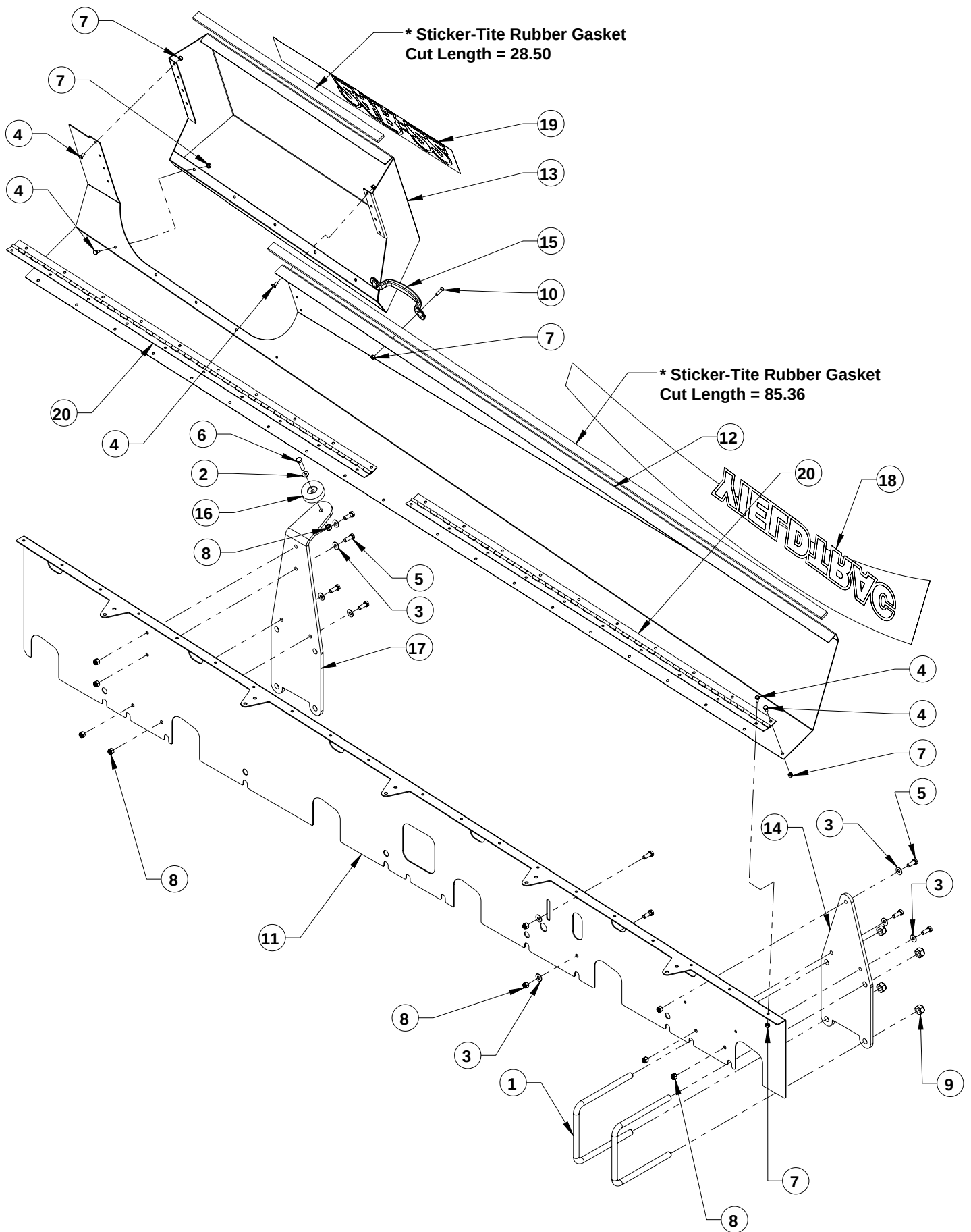
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HClamp-SAE-05-SS	HClamp-SAE-05-SS	4	
2	HClamp-SAE-10-SS	HClamp-SAE-10-SS	1	
3	Hose-Ø.375 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	4	
4	Hose-Ø.75 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	1	
5	NLNut-0.2500-20-SS	NLNut-0.2500-20-SS	4	
6	T0051543	Hose Barb 3/4" MPT x 3/8" HB	1	
7	T0051555	Mount Fertilizer Manifold	1	
8	T0051557	Nipple 3/4" Short	2	
9	T0051558	Tee 3/4" Threaded	3	
10	T0051641	3/4" MPT x 3/8" HB Elbow	3	
11	T0051643	3/4" MPT x 3/4" HB SCH. 40	1	
12	UBolt-0.2500x1.50x2.75-RB-SS	UBolt-0.2500x1.50x2.75-RB-SS	2	

Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.
2. For item # 3, use P/N T0051674 Hose-0.38" Spray (100' Roll)
3. For item # 4, use P/N T0051957 Hose,Ø.75ID AG Spray 200(100' Roll)

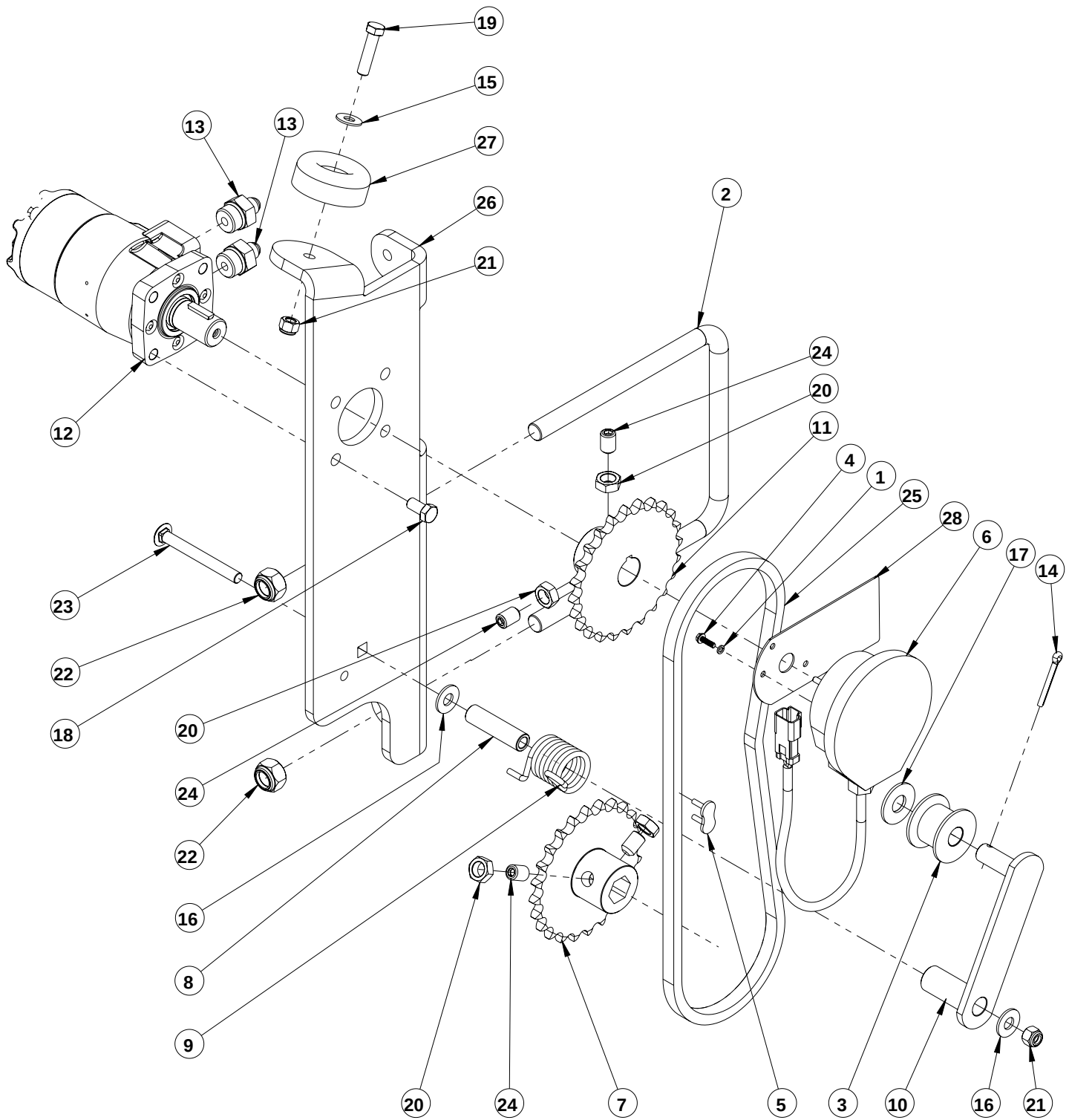


TA00601 LH Stub Arm Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.250-YZ	FW SAE 0.250-YZ	6	
2	FW-USS-0.313-YZ	FW-USS-0.313-YZ	4	
3	FW-USS-0.375-YZ	FW-USS-0.375-YZ	2	
4	HBolt-0.2500-20x0.500-YZ8	HBOLT 0.250-20x0.500-YZ8	6	
5	HBolt-0.3750-16x2.000-YZ8	HBolt-0.3750-16x2.000-YZ8	2	
6	HBolt-0.3750-16x8.000-YZ8	HBolt-0.3750-16x8.000-YZ8	2	
7	HClamp-SAE-512-SS	HClamp-SAE-512-SS	2	
8	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	6	
9	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	4	
10	T0050952	Steel Backed Bronze Bearing 2.5 ID	4	
11	T0051114	Slider Block	1	
12	T0051453	Decal, Yieldtrac 24R-22 - 3.8x48.2	1	
13	T0051491	LH Stub Arm Shield	1	
14	T0051493	Stub Arm Back Shield	1	
15	T0051584	2.50 Grease Seal	3	
16	T0051729	Decal, Reflector, Yellow-2x9	1	
17	TW000591	LH Stub Arm Weldment	1	
18	Zerk-0.2500-28	Zerk-0.2500-28	2	

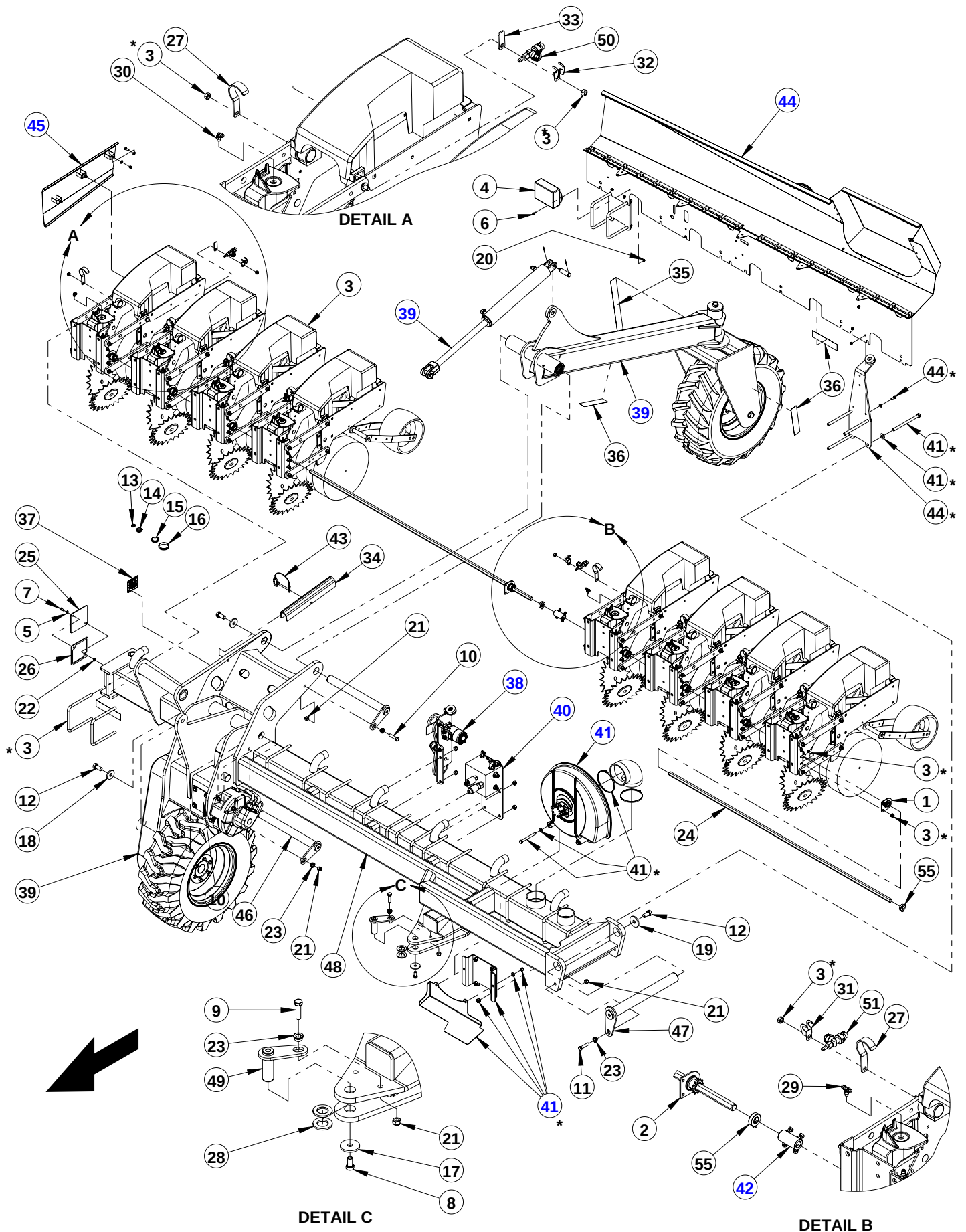


TA00667 LH Wing Shield Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY.	Torque (ft-lbs)
1	1250813C1	U Bolt	2	
2	FW-USS-0.250-YZ	FW USS 0.250-YZ	1	
3	FW-USS-0.313-YZ	FW-USS-0.313-YZ	9	
4	HBolt-0.2500-20x0.500-YZ8	HBOLT 0.250-20x0.500-YZ8	53	
5	HBolt-0.3750-16x1.000-YZ8	HBolt-0.3750-16x1.000-YZ8	9	
6	HBolt-0.3750-16x1.500-YZ8	HBolt-0.3750-16x1.500-YZ8	1	
7	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	57	
8	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	11	
9	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	4	
10	OHPMS-.2500-20x1.000-SS	1/4-20x1.00, Ovl Head Mach Screw,SS	4	
11	T0051447	LH Bar Shield Support	1	
12	T0051454	LH Shield	1	
13	T0051456	Fan Cover	1	
14	T0051462	Shield Mount	1	
15	T0051467	Handle	1	
16	T0051481	Rubber Stop	1	
17	T0051535	Shield Mount	1	
18	T0051664	Decal, YieldTrac With Arch LH	1	
19	T0051665	Decal, 24R-22 LH	1	
20	TA00666	Piano Hinge	2	

* Sold as a roll, P/N T0051552, Gasket - Rubber (25' Roll)



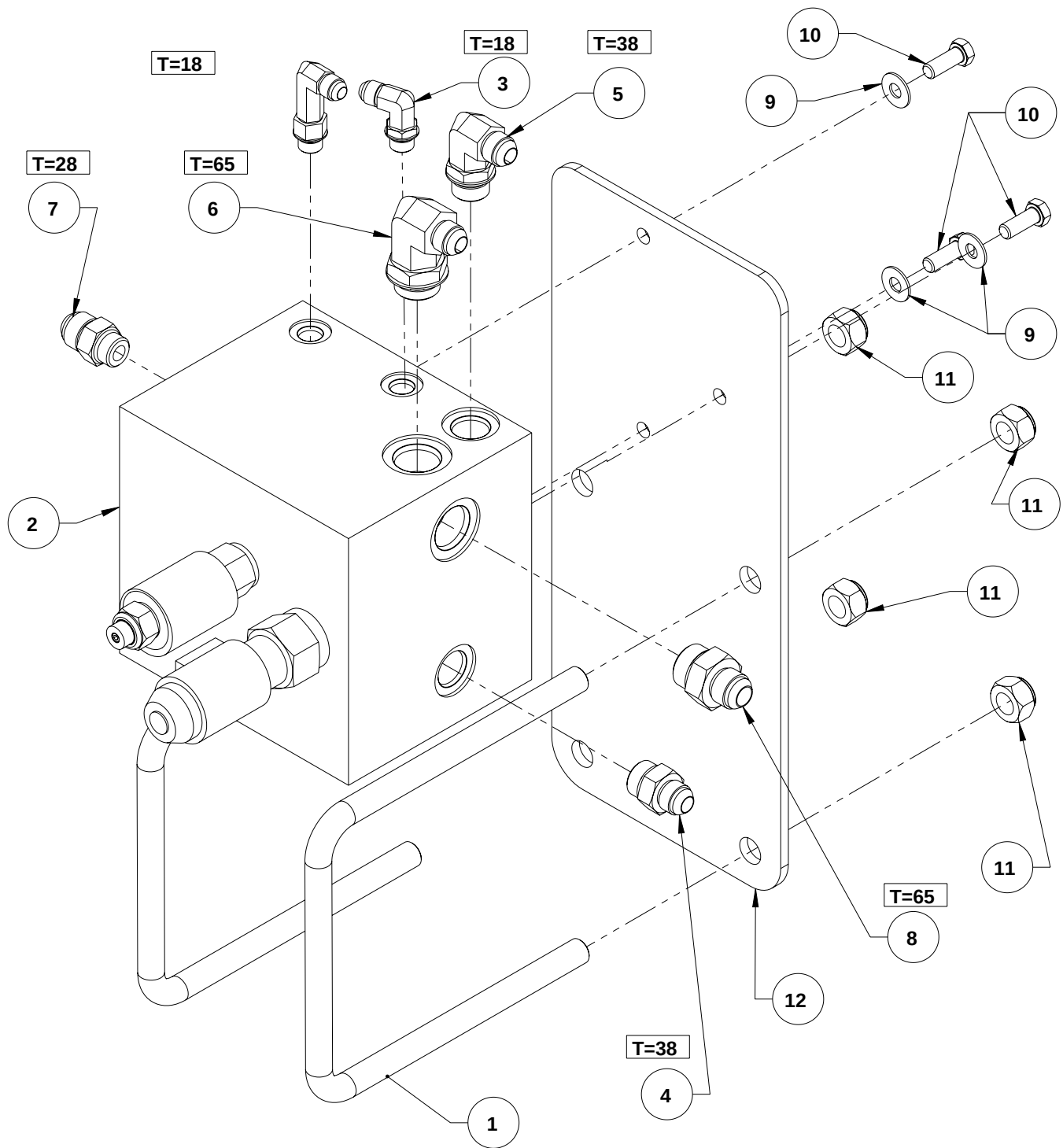
TA00619 Seed Drive Assy - Wing				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (FT-LBS)
1	492-11008	LOCK WASHER, #8	3	
2	1250813C1	U BOLT	1	
3	1277726C1	TENSIONER ROLLER	1	
4	86632692	SCREW, SELF TAP, CROSS PAN HD, #8X1/2"	3	
5	87034815	CONNECTOR LINK #50	1	
6	87495545	SENSOR, SEED DRIVE SPEED	1	
7	87503169	24 TOOTH .875 HEX BORE SPROCKET	1	
8	87505783	SEED DRIVE TENSIONER BUSHING	1	
9	87505794	SPRING TENSIONER IDLER LH WOUND	1	
10	87550916	CHAIN TENSION PIVOT	1	
11	87694455	24 TOOTH 1 INCH BORE SPROCKET	1	
12	87752460	MOTOR, HYD, SEED DRIVE	1	
13	ADAPTER 06MJ-10MB	ADAPTER 06MJ-10MB	2	
14	COTTERPIN-.1875X1.500	COTTERPIN-.1875X1.500	1	
15	FW-USS-0.313-YZ	FW-USS-0.313-YZ	1	
16	FW-USS-0.375-YZ	FW-USS-0.375-YZ	2	
17	FW-USS-0.563-YZ	FW USS 0.563-YZ	1	
18	HBOLT-0.3750-16X0.750-YZ8	HBOLT-0.3750-16X0.750-YZ8	4	
19	HBOLT-0.3750-16X1.500-YZ8	HBOLT-0.3750-16X1.500-YZ8	1	
20	JNUT-0.5000-13-YZ8	JNUT 0.50-13-YZ8	4	
21	NLNUT-0.3750-16-YZ8	NLNUT-0.3750-16-YZ8	2	
22	NLNUT-0.6250-11-YZ8	NLNUT-0.6250-11-YZ8	2	
23	RHSNBOLT-0.3750-16X3.500-YZ5	RHSNBOLT-0.3750-16X3.500-YZ5	1	
24	SSCREW-0.5000-13X0.750-CUP	SSCREW-0.5000-13X0.750-CUP	4	
25	T0051312	METER DRIVE CHAIN RC50 66-PITCH	1	
26	T0051480	SEED DRIVE BRKT	1	
27	T0051481	RUBBER STOP	1	
28	T0051656	SEED DRIVE ANTI ROTATION BRKT	1	



TA00627 RH Wing Assy					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	102724A2		Bearing	1	
2	413712A1		Sprocket, 1.90 OD x 1.88" 12T w Bearing	7	
3	47412987		Assy, CNH RH Row Unit	8	
4	84170217		Valve Pneumatic Clutch	1	
5	FW-SAE-0.375-YZ		FW-SAE-0.375-YZ	2	
6	HBolt-0.2500-20x0.750-YZ8		HBolt-0.2500-20x0.750-YZ8	2	
7	HBolt-0.3750-16x0.750-YZ8		HBolt-0.3750-16x0.750-YZ8	2	
8	HBolt-0.6250-11x1.250-YZ8		HBolt-0.6250-11x1.250-YZ8	1	
9	HBolt-0.6250-11x2.250-YZ8		HBolt-0.6250-11x2.250-YZ8	1	
10	HBolt-0.6250-11x2.500-YZ8		HBolt-0.6250-11x2.500-YZ8	2	
11	HBolt-0.6250-11x2.750-YZ8		HBolt-0.6250-11x2.750-YZ8	1	
12	HBolt-0.8750-9x1.750-YZ8		HBolt-0.8750-9x1.750-YZ8	3	
13	HClamp-SAE-05-SS		HClamp-SAE-05-SS	16	
14	HClamp-SAE-10-SS		HClamp-SAE-10-SS	9	
15	HClamp-SAE-16-SS		HClamp-SAE-16-SS	16	
16	HClamp-SAE-32-SS		HClamp-SAE-32-SS	8	
17	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	1	
18	HD Washer 0.89 x 2.50		HD Washer 0.89 x 2.50	2	
19	HD Washer 0.89 x 3.00		HD Washer 0.89 x 3.00	1	
20	NLNut-0.2500-20-YZ8		NLNut-0.2500-20-YZ8	2	
21	NLNut-0.6250-11-YZ8		NLNut-0.6250-11-YZ8	4	
22	RivNut-0.3750x16-Cd		RivNut-0.3750x16-Cd	2	
23	T0050854		Anti Rotation Insert	4	
24	T0051109		Hex Shaft	2	
25	T0051172		Clean Out Cover	1	
26	T0051372		Seal, Clean Out Cover	1	
27	T0051383		Clamp, Hose Row Unit	8	
28	T0051444		Spacer Tow Bar	2	
29	T0051523	84250155	Air Fitting - Branch Tee 1/4" Tube x 1/8" Pipe	7	
30	T0051524	84394592	Air Fitting - Elbow 1/4" Tube x 1/8" Pipe	1	
31	T0051533		Tee Jet Clip	7	
32	T0051651		TeeJet Clip LH	1	
33	T0051652		Plate Check Valve Mount	1	
34	T0051681		Channel - Wing Cylinder Stop	1	
35	T0051727		Decal, Reflector,Red,Orange-2x18	1	
36	T0051729		Decal, Reflector,Yellow-2x9	4	
37	T0051737		Decal, Warning, Crush Haz Service Wing Wheel	1	
38	TA00619		Seed Drive Assy - Wing	1	
39	TA00621		Wing Wheel Assy	1	
40	TA00638		Assy, Muti-Valve	1	
41	TA00640		Assy, Fan With Mount	1	
42	TA00654		Assy, Coupler	1	
43	TA00659		Assy, Hitch Pin With Lanyard	1	
44	TA00668		RH Shield Assy	1	
45	TA00676		Assy, Row Unit End Plate-RH	1	
46	TW000572		Pin Weldment	2	
47	TW000611		Pin Weldment	1	
48	TW000627		RH Wing Weldment	1	
49	TW000650		Pin Weldment	1	
50	T0051529		Tee Jet Check Valve Assy	8	
51	T0051530		TeeJet 1/4 Inch Hose Adaptor	8	
52	T0051531		Orifice - .047	8	
53	T0051532		Orifice Seal	8	
54	T0051544		Hose Barb 1/4" FPT x 3/8" HB	8	
55	HLCOLLAR 0.875-YZ		Hex Lock Collar 7/8	2	
56	HBolt-0.3125-18x0.500-YZ8		Bolt, Hex Head-5/16-18x1/2-YZ8	2	

Note:

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

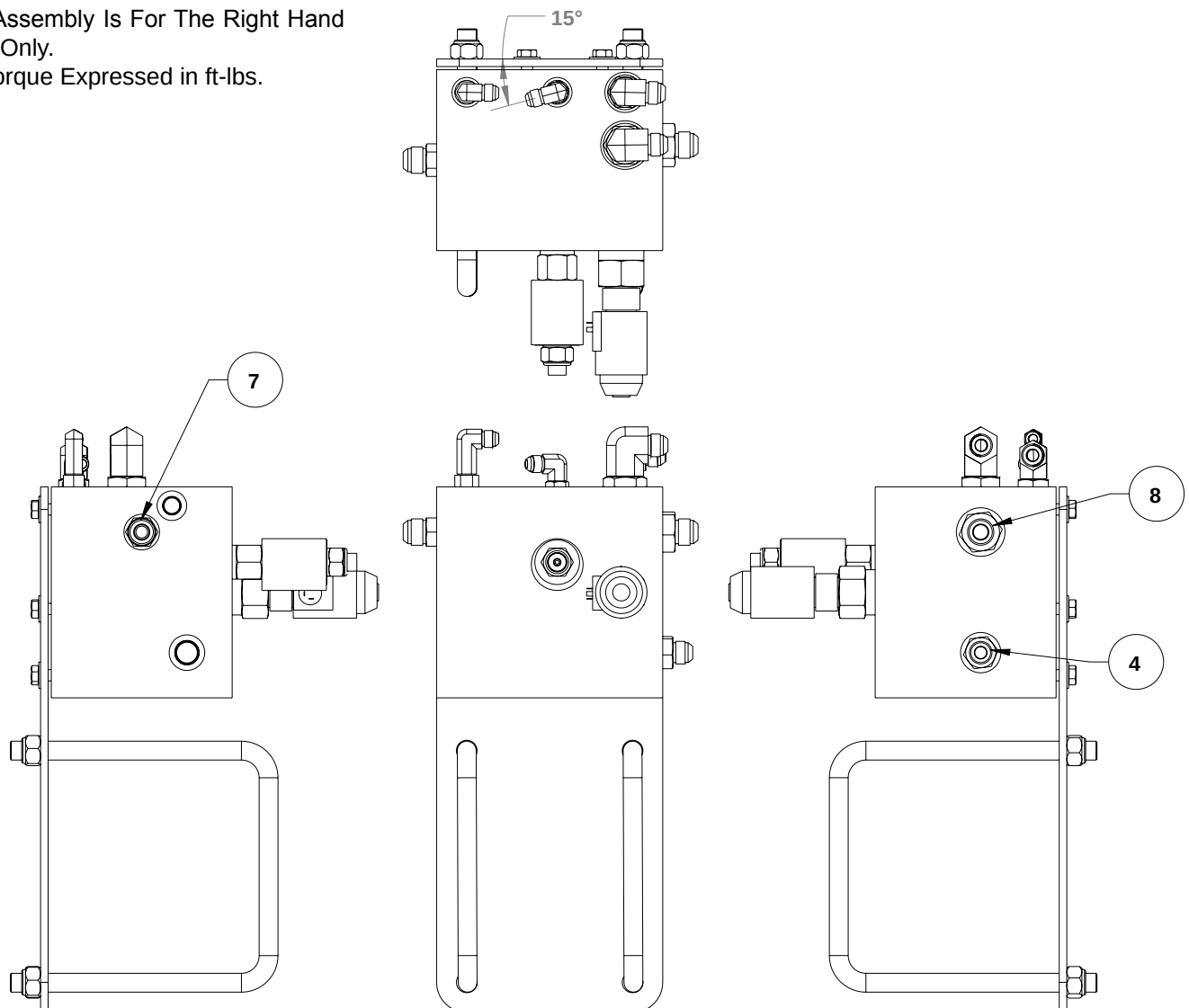


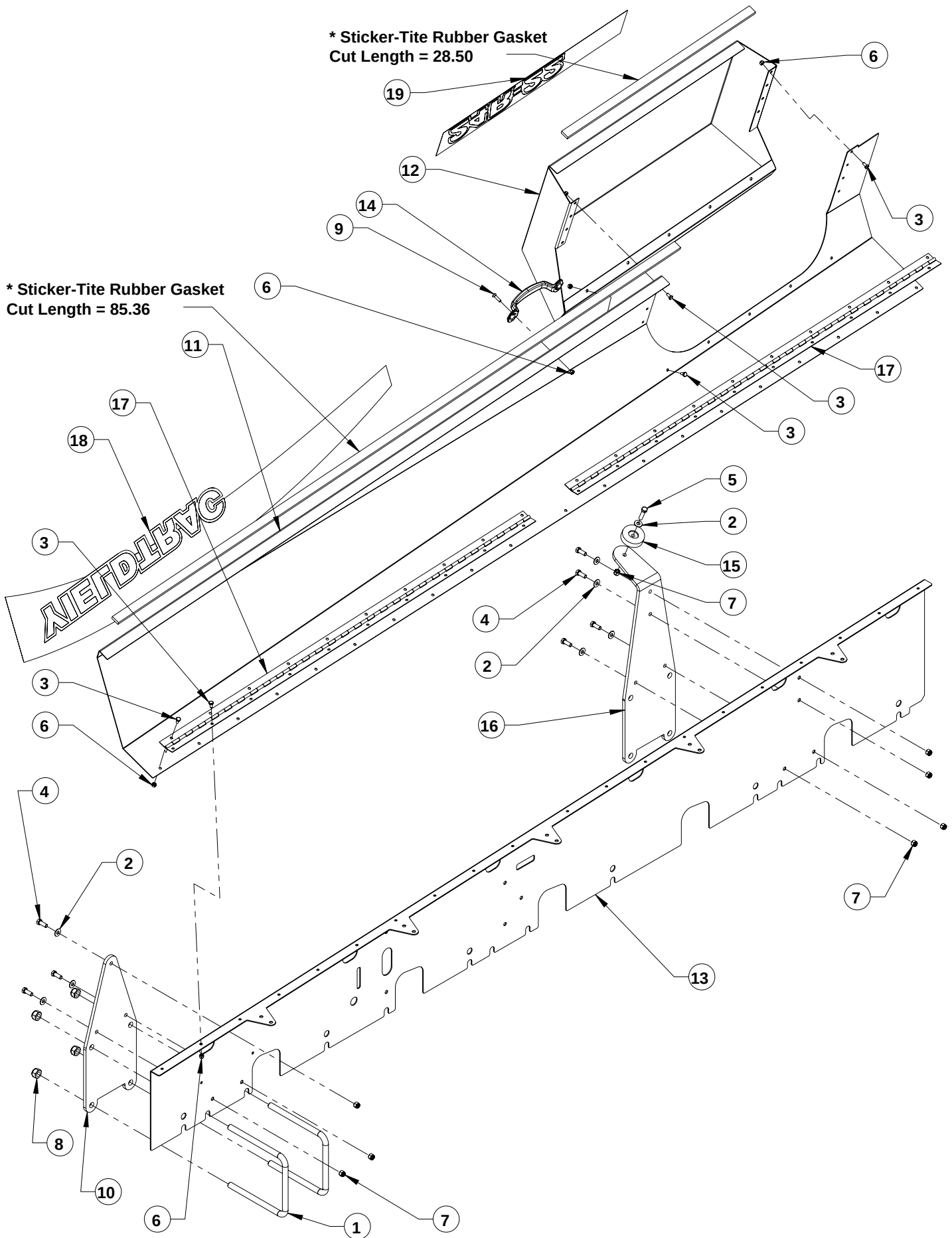
TA00638 Assy, Muti-Valve Right

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	1250813C1	U Bolt	2	
2	84538086	VALVE, MULTI W 1 SEED, DD	1	
3	ADAPTER 06MJ-06MB 90	ADAPTER 06MJ-06MB 90	1	18
4	ADAPTER 08MJ-10MB	ADAPTER 08MJ-10MB	1	38
5	ADAPTER 08MJ-10MB 90	ADAPTER 08MJ-10MB 90	1	38
6	ADAPTER 08MJ-12MB 90	ADAPTER 08MJ-12MB 90	1	65
7	ADAPTER 10MJ-08MB	ADAPTER 10MJ-08MB	1	28
8	ADAPTER 10MJ-12MB	ADAPTER 10MJ-12MB	1	65
9	FW-USS-0.313-YZ	Washer, Flat USS 5/16-YZ	3	
10	HBolt-0.3750-16x1.000-YZ8	Bolt, Hex Hd 3/8-16x1-YZ8	3	
11	NLNut-0.6250-11-YZ8	Nut, Nylock-5/8-11-YZ8	4	
12	T0050591	Brkt, MultiValve Mtg	1	
13	ADAPTER 06MJ-06MB 90LL	ADAPTER 06MJ-06MB 90LL	1	

This Assembly Is For The Right Hand Wing Only.

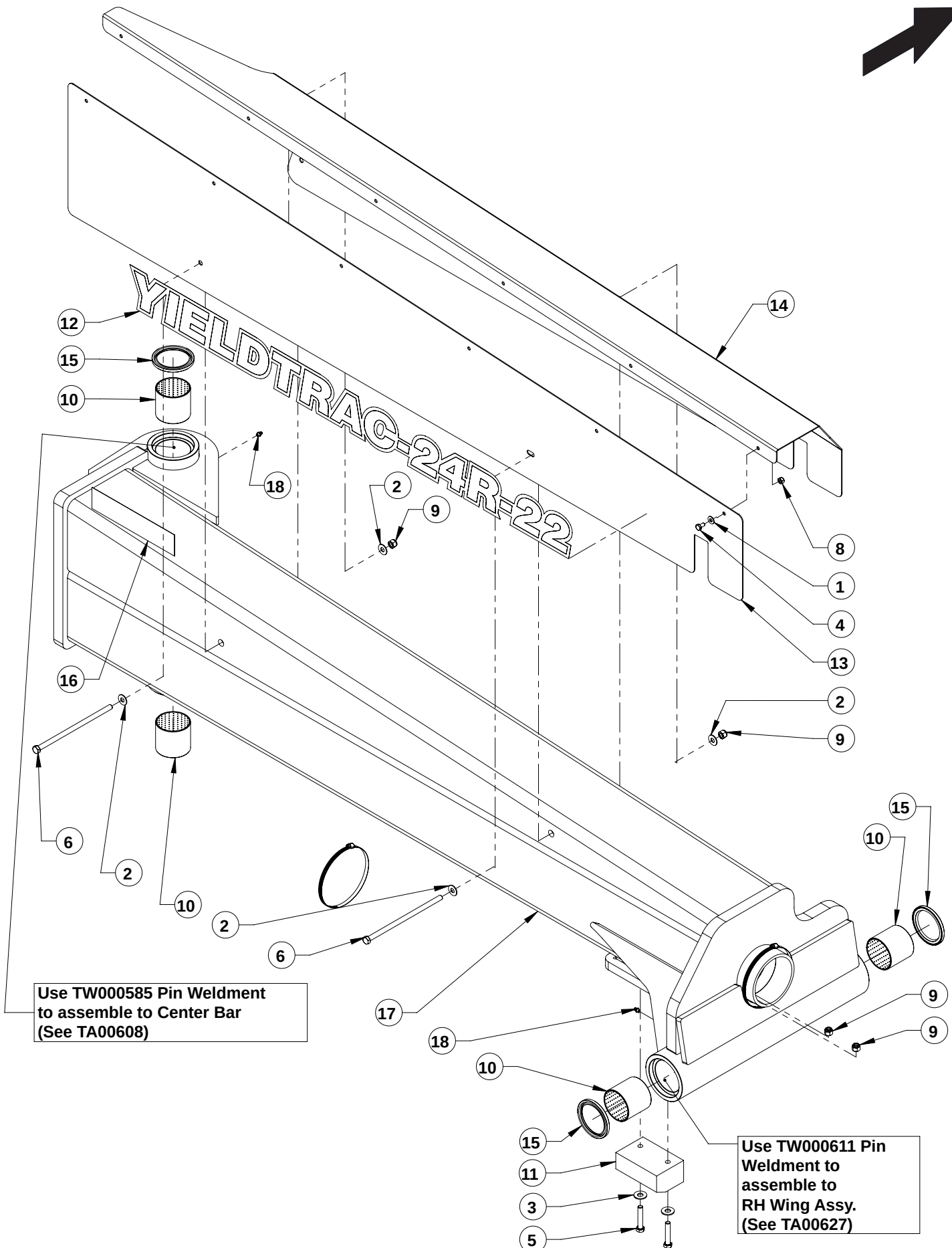
T = Torque Expressed in ft-lbs.



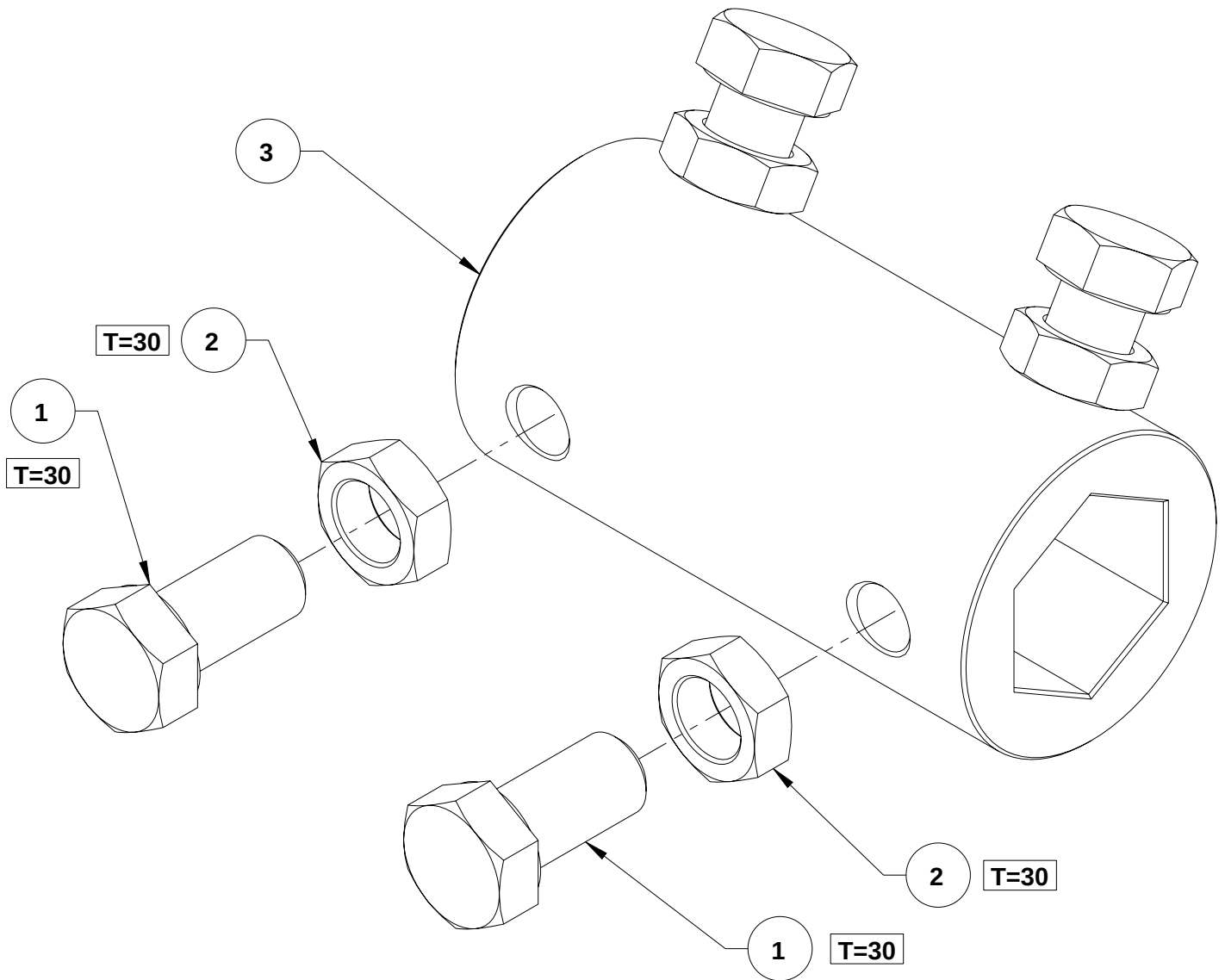


TA00668 RH Shield Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	1250813C1	U Bolt	2	
2	FW-USS-0.313-YZ	FW-USS-0.313-YZ	8	
3	HBolt-0.2500-20x0.500-YZ8	HBOLT 0.250-20x0.500-YZ8	53	
4	HBolt-0.3750-16x1.000-YZ8	HBolt-0.3750-16x1.000-YZ8	7	
5	HBolt-0.3750-16x1.500-YZ8	HBolt-0.3750-16x1.500-YZ8	1	
6	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	57	
7	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	8	
8	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	4	
9	OHPMS-.2500-20x1.000-SS	1/4-20x1.00, Ovl Head Mach Screw,SS	4	
10	T0051462	Shield Mount	1	
11	T0051464	RH Wing Shield	1	
12	T0051465	RH Fan Cover	1	
13	T0051466	RH Bar Shield Support	1	
14	T0051467	Handle	1	
15	T0051481	Rubber Stop	1	
16	T0051535	Shield Mount	1	
17	TA00666	Piano Hinge	2	
18	T0051663	Decal, YieldTrac With Arch RH	1	
19	T0051666	Decal, 24R-22 RH	1	

* Sold as a roll, P/N T0051552, Gasket - Rubber (25' Roll)

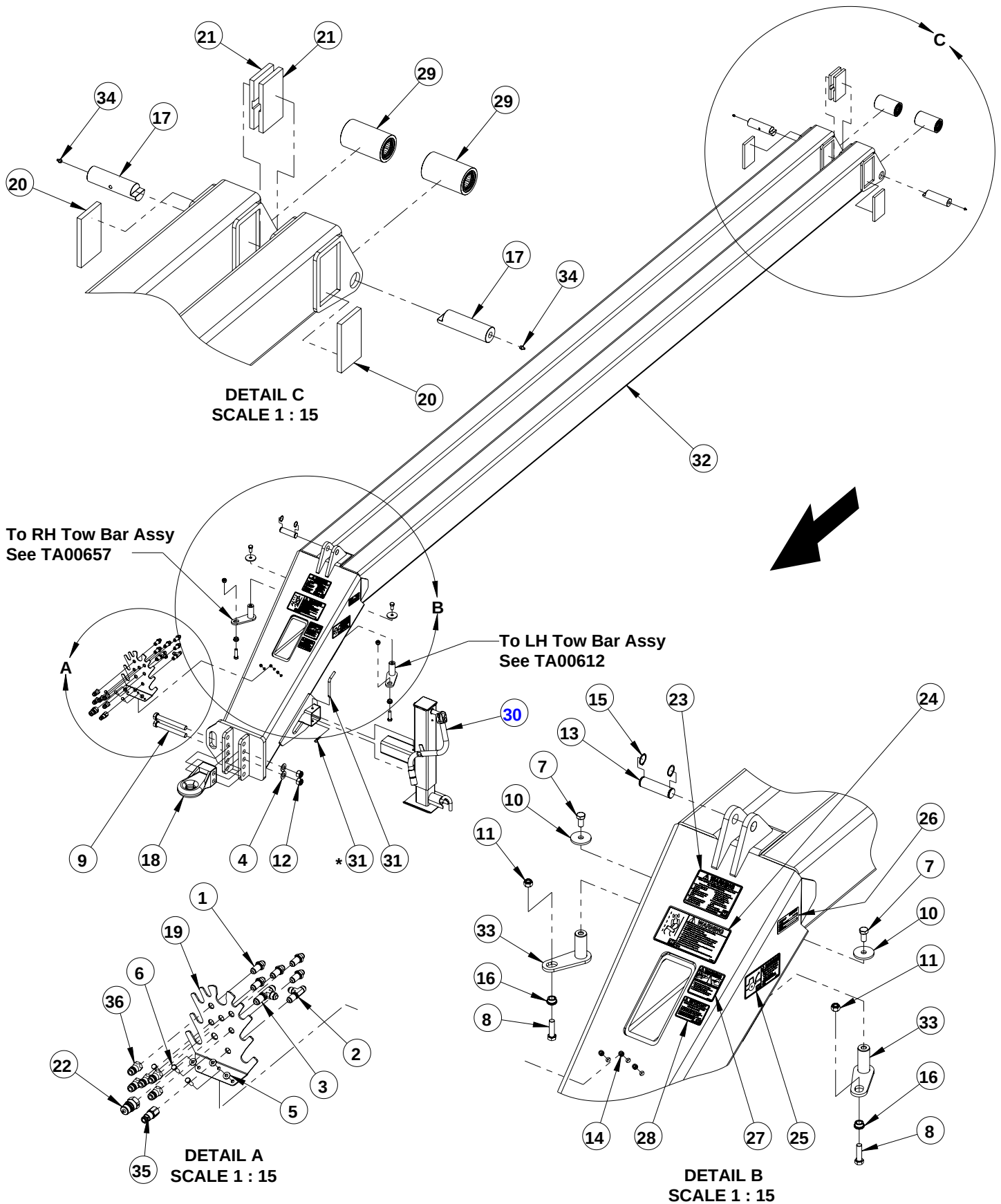


TA00626 RH Stub Bar Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.250-YZ	FW SAE 0.250-YZ	6	
2	FW-USS-0.313-YZ	FW-USS-0.313-YZ	4	
3	FW-USS-0.375-YZ	FW-USS-0.375-YZ	2	
4	HBolt-0.2500-20x0.500-YZ8	HBOLT 0.250-20x0.500-YZ8	6	
5	HBolt-0.3750-16x2.000-YZ8	HBolt-0.3750-16x2.000-YZ8	2	
6	HBolt-0.3750-16x8.000-YZ8	HBolt-0.3750-16x8.000-YZ8	2	
7	HClamp-SAE-512-SS	HClamp-SAE-512-SS	2	
8	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	6	
9	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	4	
10	T0050952	Steel Backed Bronze Bearing 2.5 ID	4	
11	T0051114	Slider Block	1	
12	T0051453	Decal, Yieldtrac 24R-22 - 3.8x48.2	1	
13	T0051493	Stub Arm Back Shield	1	
14	T0051494	RH Stub Arm Shield	1	
15	T0051584	2.50 Grease Seal	3	
16	T0051729	Decal, Reflector, Yellow-2x9	1	
17	TW000626	RH Stub Arm Weldment	1	
18	Zerk-0.2500-28	Zerk-0.2500-28	2	



TA00654 Assy, Coupler

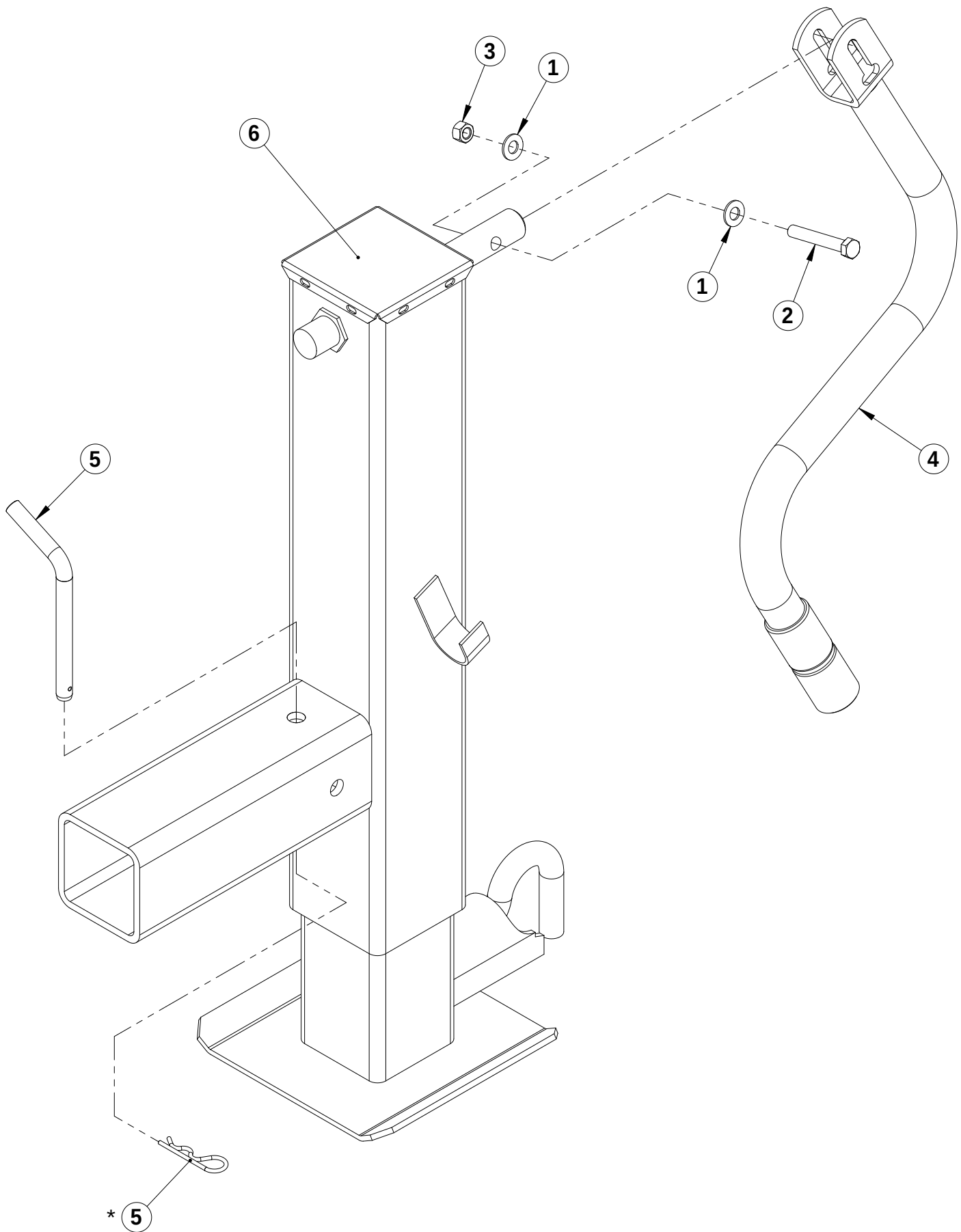
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HBolt-0.3750-16x0.750-YZ8	HBolt-0.3750-16x0.750-YZ8	4	30
2	JNUT-0.3750-16-YZ8	JNut-0.3750-16-YZ8	4	30
3	T0051365	Coupler, Hex Shaft 7/8"	1	N/A



TA00637 Hitch Assy					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	ADAPTER 08MJ-08MJ BH		ADAPTER 08MJ-08MJ BH	5	
2	ADAPTER 08MJT BH RUN		ADAPTER 08MJT BH RUN	1	
3	ADAPTER 10MJT BH RUN		ADAPTER 10MJT BH RUN	1	
4	FW-SAE-1.000-YZ		Washer, Flat SAE-1.0-YZ	4	
5	FW-USS-0.313-YZ		Washer, Flat USS 5/16-YZ	3	
6	HBolt-0.3750-16x1.250-YZ8		Bolt, Hex Head, 3/8-16x1.25-YZ8	3	
7	HBolt-0.6250-11x1.250-YZ8		Bolt, Hex Head-5/8-11x1.25-YZ8	2	
8	HBolt-0.6250-11x2.250-YZ8		Bolt, Hex Head-5/8-11x2.25-YZ8	2	
9	HBolt-1.0000-8x8.500-YZ8		Bolt, Hex Head-1.0-8x8.5-YZ8	2	
10	HD Washer 0.64 x 2.50		HD Washer 0.64 x 2.50	2	
11	NLNut-0.6250-11-YZ8		Nut, Nylock-5/8-11-YZ8	2	
12	NLNut-1.0000-8-YZ8		Nut, Nylock-1.0-8-YZ8	2	
13	Pin-1.2500x4.125-YZ		Pin-1.2500x4.125-YZ	1	
14	RivNut-0.3750x16-Cd		RivNut-0.3750x16-Cd	3	
15	SRing-Ext-1.250		Ring, Retaining-Ext-1.25	2	
16	T0050854		Anti Rotation Insert	2	
17	T0050984		Pivot Pin	2	
18	T0051260	87506220	Hitch, Base -Perfect CAT 4	1	
19	T0051269		Hose Bulkhead	1	
20	T0051275		Slider	2	
21	T0051398		Slider	2	
22	T0051522	347755A1	Tip - 3/4" Power Beyond	1	
23	T0051573		Decal, Warning - Machine Safety	1	
24	T0051574		Decal, Warning-Machine Transport	1	
25	T0051575		Decal, Warning-Tipping Hazard	2	
26	T0051649		Decal, Serial-Model Number	1	
27	T0051669		Decal, Warning-Hyd Fluid Hazard	1	
28	T0051702		Decal, Important-Case Drain Mot Ret	1	
29	TA00599		Rear Hitch Roller Assy	2	
30	TA00658		Implement Jack Assembly	1	
31	TA00665		Assy, Hpin .50X4.50 w Hpin Clip	1	
32	TW000566		Front Hitch	1	
33	TW000630		Pin Weldment	2	
34	Zerk-0.1250-27-NPT		Zerk,-1/8-27-NPT	2	
35	T0051659	85999239	Tip - 3/8" Flat Face	1	
36	T0051660	1285718C2	Tip - 1/2" Pioneer	5	

Notes:

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

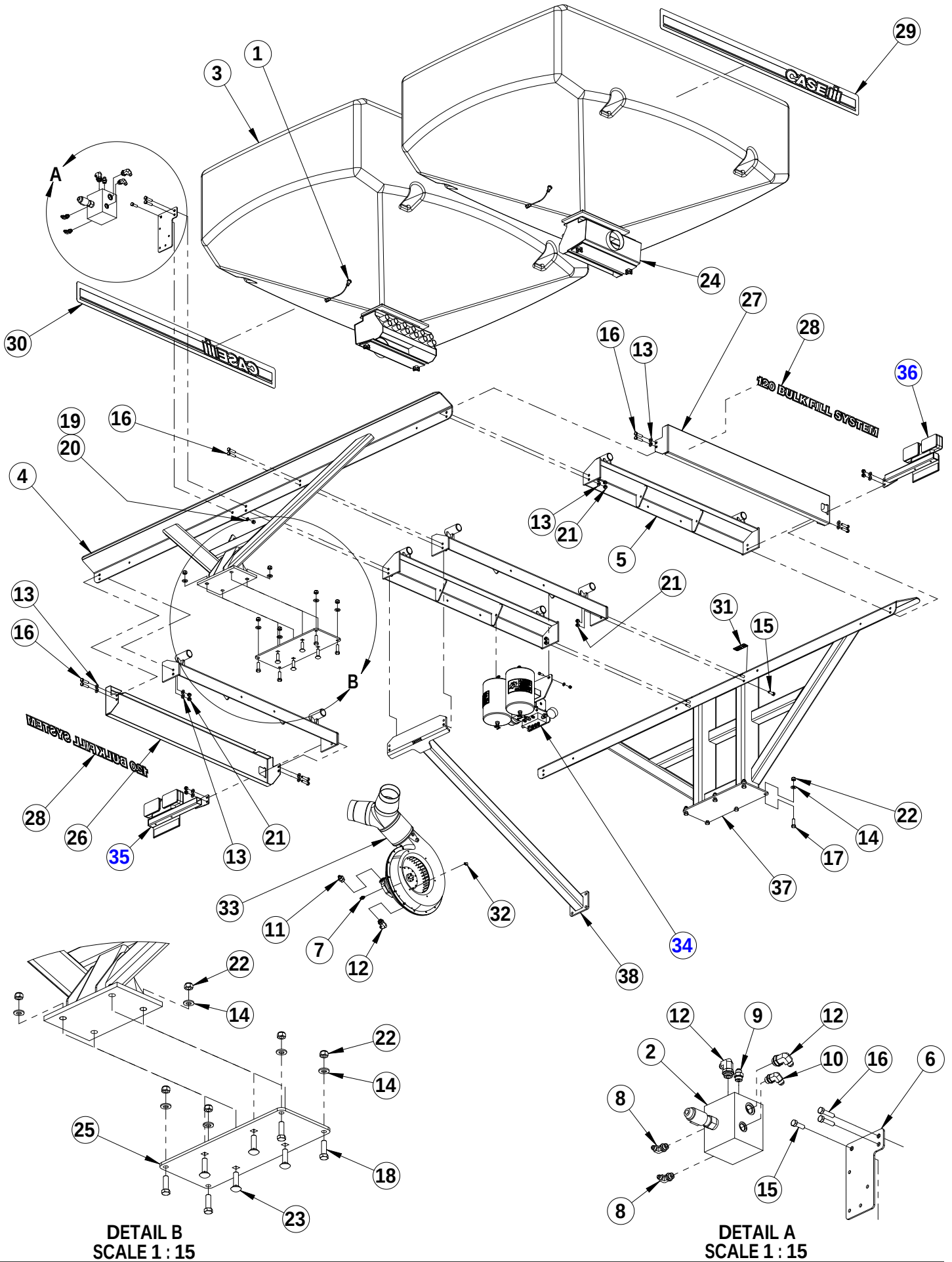


TA00658 Implement Jack Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	2	
2	HBolt-0.3750-16x2.500-YZ8	HBolt-0.3750-16x2.500-YZ8	1	
3	HNut-0.3750-16-YZ8	HNut-0.3750-16-YZ8	1	
4	T0051367	Handle Jack	1	
5	TA00665	Assy, Hpin .50X4.50 w Hpin Clip	1	
6	TW000649	Implement Jack Weldment	1	

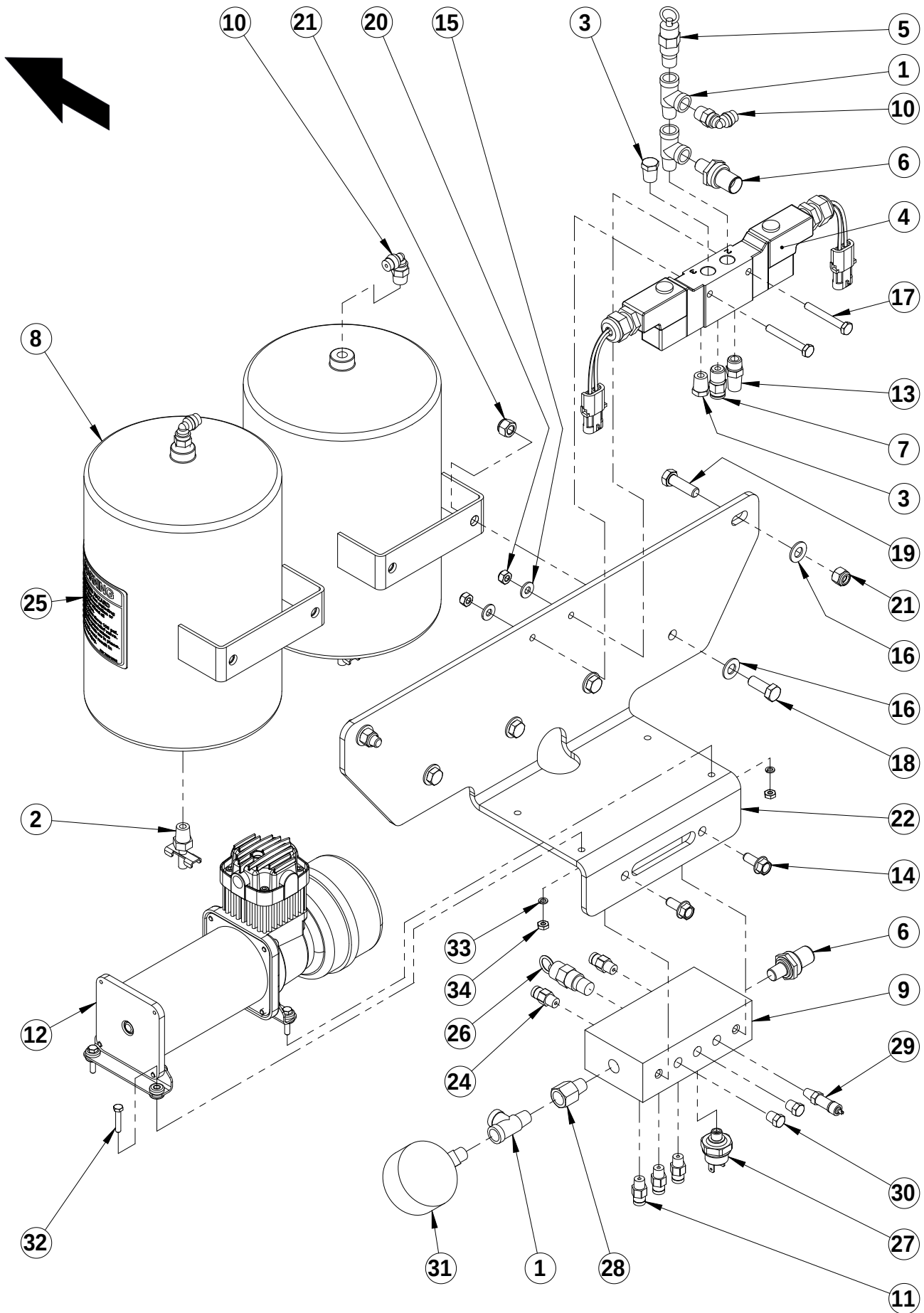
Notes:

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



TA00607 Assy, Bulk Fill Tank Frame

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	404197A1	Sensor, Bin Level Proximity	2	
2	84538083	VALVE, BULK FILL DD 13GPM	1	
3	87505879	CaseliH Bulk Tank	2	
4	87557000	Frame Bulk Fill Front	1	
5	87557011	Bracket, Bulk Fill Tank Side	4	
6	87671858	Plate, Bulk Fill Valve	1	
7	ADAPTER 06MJ-06MB	ADAPTER 06MJ-06MB	1	
8	ADAPTER 06MJ-08MB 90	ADAPTER 06MJ-08MB 90	2	
9	ADAPTER 08MJ-10MB	ADAPTER 08MJ-10MB	1	
10	ADAPTER 08MJ-10MB 90	ADAPTER 08MJ-10MB 90	1	
11	ADAPTER 08MJ-12MB	ADAPTER 08MJ-12MB	1	
12	ADAPTER 08MJ-12MB 90	ADAPTER 08MJ-12MB 90	3	
13	FW-SAE-0.500-YZ	FW-SAE-0.500-YZ	8	
14	FW-SAE-0.625-YZ	FW-SAE-0.625	14	
15	HBolt-0.5000-13x1.500-YZ8	HBolt-0.5000-13x1.500-YZ8	5	
16	HBolt-0.5000-13x2.000-YZ8	HBolt-0.5000-13x2.000-YZ8	8	
17	HBolt-0.6250-11x1.750-YZ8	HBolt-0.6250-11x1.750-YZ8	6	
18	HBolt-0.6250-11x2.000-YZ8	HBolt-0.6250-11x2.000-YZ8	4	
19	HNut-0.5000-13-YZ8	HNut-0.5000-13-YZ8	1	
20	LW-0.5000-YZ	LW-0.5000-YZ	1	
21	NLNut-0.5000-13-YZ8	NLNut-0.5000-13-YZ8	12	
22	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	14	
23	RHSNBolt-0.6250-11x2.250-YZ8	RHSNBolt-0.6250-11x2.250-YZ8	4	
24	T0051115	Distributor Bulk Seed -12 Port	2	
25	T0051311	Plate Tank Mt Adaptor	1	
26	T0051386	Plate, RH - Bulk Fill System	1	
27	T0051388	Plate, LH - Bulk Fill System	1	
28	T0051449	Decal, 120 Bulk Fill System - 2.7x42.9	2	
29	T0051527	Decal, Case IH 5.75x70-LH	1	
30	T0051528	Decal, Case IH 5.75x70-RH	1	
31	T0051653	Decal, No Step	1	
32	T0051717	Clamp, Cushion Tube .3125 Ø.281 Hole	1	
33	TA00642	Bulk Fill Fan Assy	1	
34	TA00644	Air System Assembly	1	
35	TA00672	Assy, RH Tail Light	1	
36	TA00673	Assy, LH Tail Light	1	
37	TW000619	Frame Bulk Fill Rear	1	
38	TW000651	Support Bulk Fill Frame	1	



TA00644 Air System Assembly

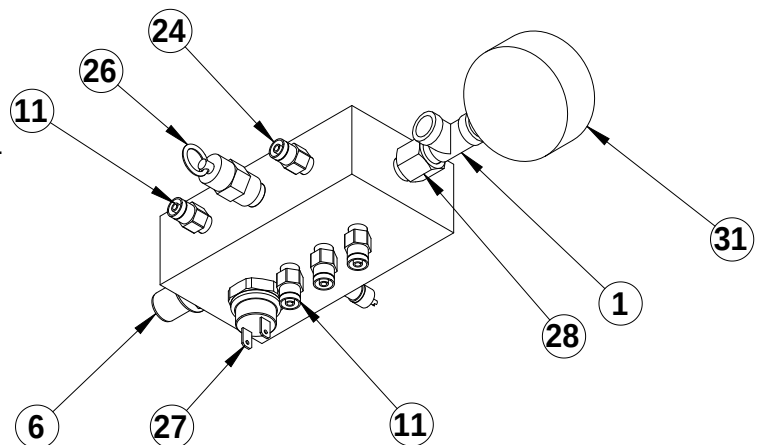
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	217-51		TEE 1/4-18 NPTF FEM X 1/4-18 NPTF MALE RUN	3	
2	217-92		Cock, Fuel Tank Drain	2	
3	217-405		Plug - Hex HD 1/4" Pipe	2	
4	84141998		Valve, Pneumatic Pilot	1	
5	84162561		Pressure Relief Valve, 110 psi	1	
6	84163183		Transducer - Pressure, 0-150 psig	2	
7	84163245		Air Fitting - Straight 1/4" Tube x 1/4" Pipe	1	
8	84164053		Air Tank	2	
9	84165808		Manifold Air	1	
10	84166114		Air Fitting - Elbow 1/4" Tube x 1/4" Pipe	3	
11	84256879		Air Fitting - Straight 1/4" Tube x 1/8" Pipe	4	
12	84293590		Air Compressor & Filter	1	
13	87752977		Muffler Filter	1	
14	FHBolt-0.3125-18x0.750-YZ8		FHBolt-0.3125-18x0.750-YZ8	2	
15	FW-SAE-0.250-YZ		FW SAE 0.250-YZ	2	
16	FW-SAE-0.375-YZ		FW-SAE-0.375-YZ	6	
17	HBolt-0.2500-20x2.000-YZ8		HBOLT 0.250-20x2.000-YZ8	2	
18	HBolt-0.3750-16x1.000-YZ8		HBolt-0.3750-16x1.000-YZ8	4	
19	HBolt-0.3750-16x1.250-YZ8		HBolt-0.3750-16x1.250-YZ8	2	
20	NLNut-0.2500-20-YZ8		NLNut-0.2500-20-YZ8	2	
21	NLNut-0.3750-16-YZ8		NLNut-0.3750-16-YZ8	6	
22	T0051303		Bracket Air System	1	
23	T0051436		Harness - Air Compressor Extension 35'	1	
24	T0051526	84256879	Air Fitting - Straight 1/4" Tube x 1/8" Pipe	1	
25	T0051592		Decal, Warning - Pressurized Hazard	2	
26	84165807		Valve, Pressure Relief	1	
27	84143639		Pressure Switch, Pneumatic	1	
28	87306797		Adapter, 1/4"-18 Fem NPTF x 1/4"-18 NPTF Male	1	
29	87623685		Valve, Tank Schrader 1/8" NPT	1	
30	217-402		Plug - Hex HD 1/8" Pipe	2	
31	21380		Gauge - Pressure 0-160 psi	1	
32	463-11016		Screw, Hex HD, #10-24 x 1"	4	
33	80684		Lock Washer , #10	4	
34	87304		Nut, #10-24	4	

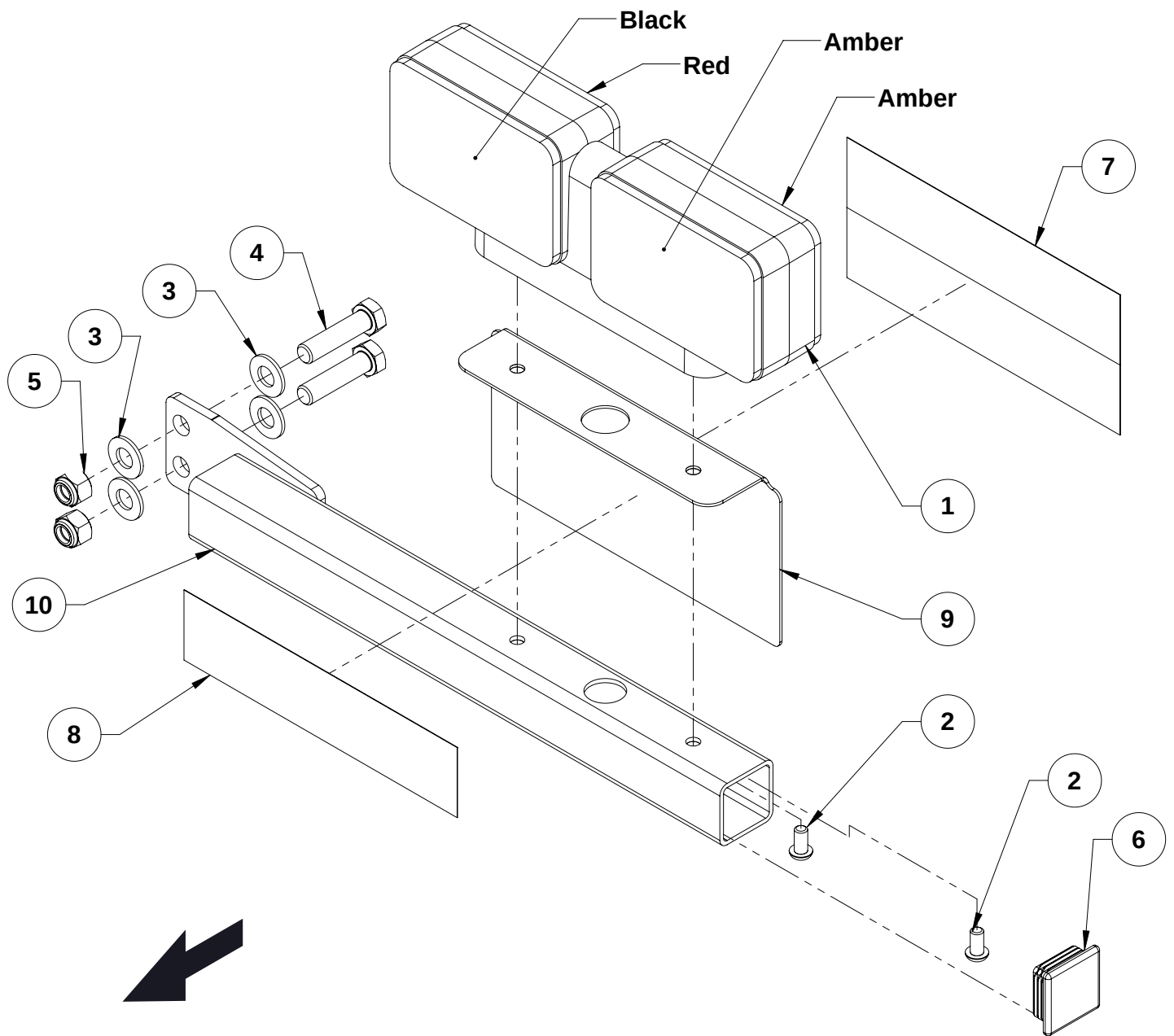
Note:

TL = Apply Threadlocker Loctite 242 or Equivalent.

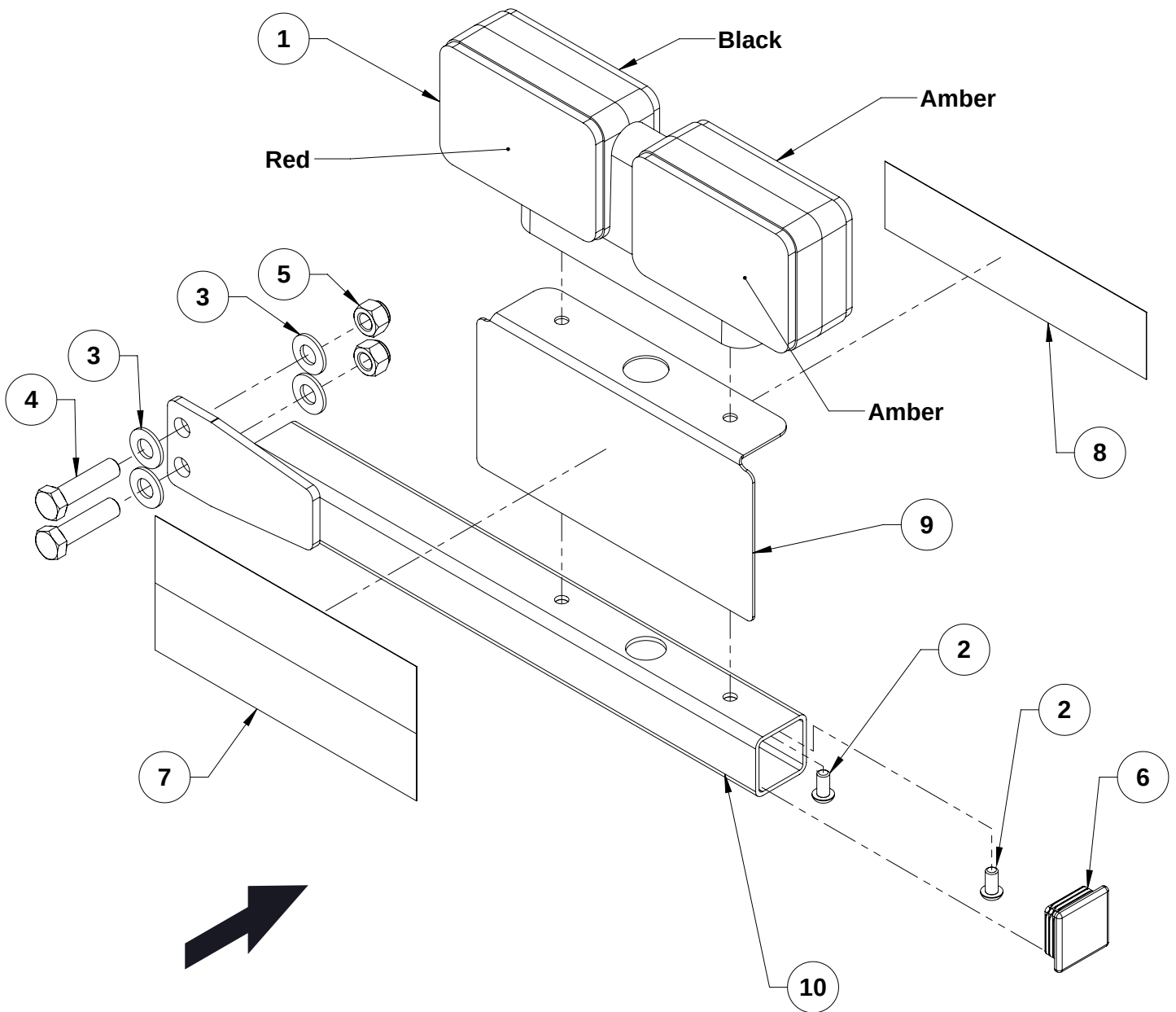
T = Torque Expressed in ft-lbs.

1. Item 23 - T0051436 not shown.

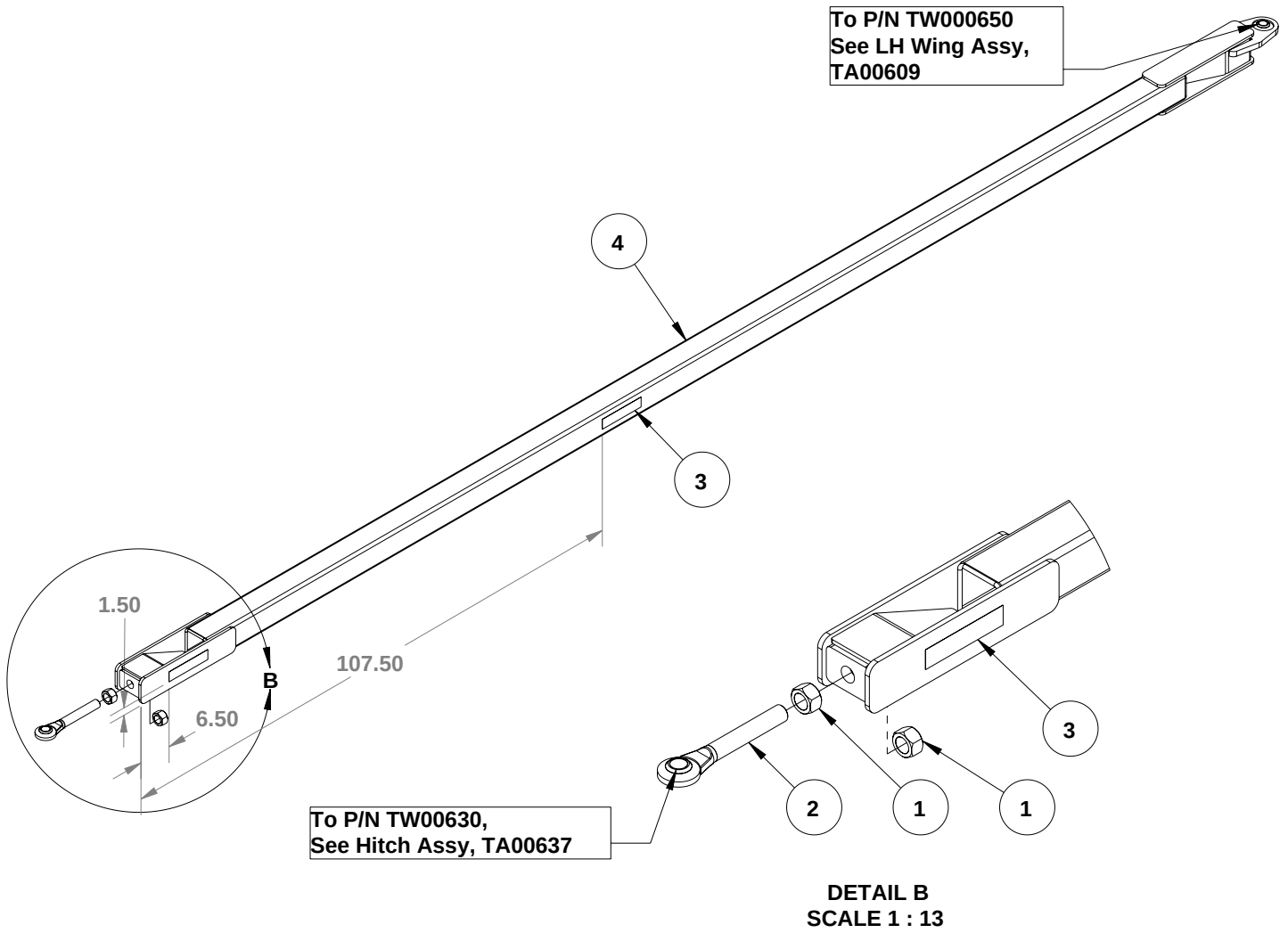




TA00673 Assy, LH Tail Light				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	86404264	Light Rear LH	1	
2	BHSCS-M8-1.25x16-YZ10.9	BHSCS-M8-1.25x16-YZ10.9	2	
3	FW-SAE-0.500-YZ	FW-SAE-0.500-YZ	4	
4	HBolt-0.5000-13x2.000-YZ8	HBolt-0.5000-13x2.000-YZ8	2	
5	NLNut-0.5000-13-YZ8	NLNut-0.5000-13-YZ8	2	
6	T0051503	Plug, Square Tube - Finish	1	
7	T0051727	Decal, Reflector,Red,Orange-2x18	1	
8	T0051729	Decal, Reflector,Yellow-2x9	1	
9	T0051734	Bracket, Reflective Tape, Light	1	
10	TW000666	Mount LH Tail Light	1	

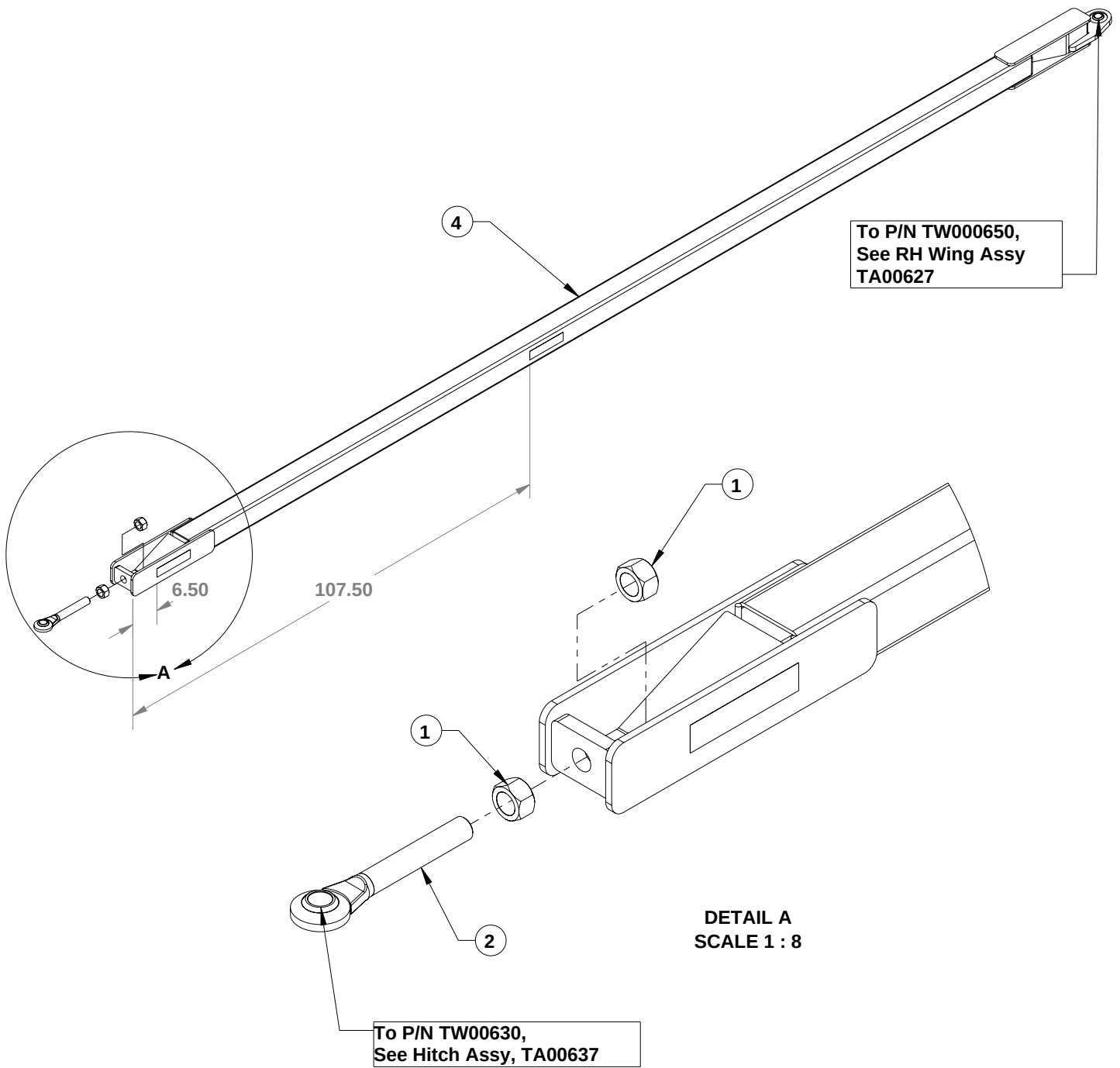


TA00672 Assy, RH Tail Light				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	86404265	Light Rear RH	1	
2	BHSCS-M8-1.25x16-YZ10.9	BHSCS-M8-1.25x16-YZ10.9	2	
3	FW-SAE-0.500-YZ	FW-SAE-0.500-YZ	4	
4	HBolt-0.5000-13x2.000-YZ8	HBolt-0.5000-13x2.000-YZ8	2	
5	NLNut-0.5000-13-YZ8	NLNut-0.5000-13-YZ8	2	
6	T0051503	Plug, Square Tube - Finish	1	
7	T0051727	Decal, Reflector,Red,Orange-2x18	1	
8	T0051729	Decal, Reflector,Yellow-2x9	1	
9	T0051734	Bracket, Reflective Tape, Light	1	
10	TW000665	Mount RH Tail Light	1	



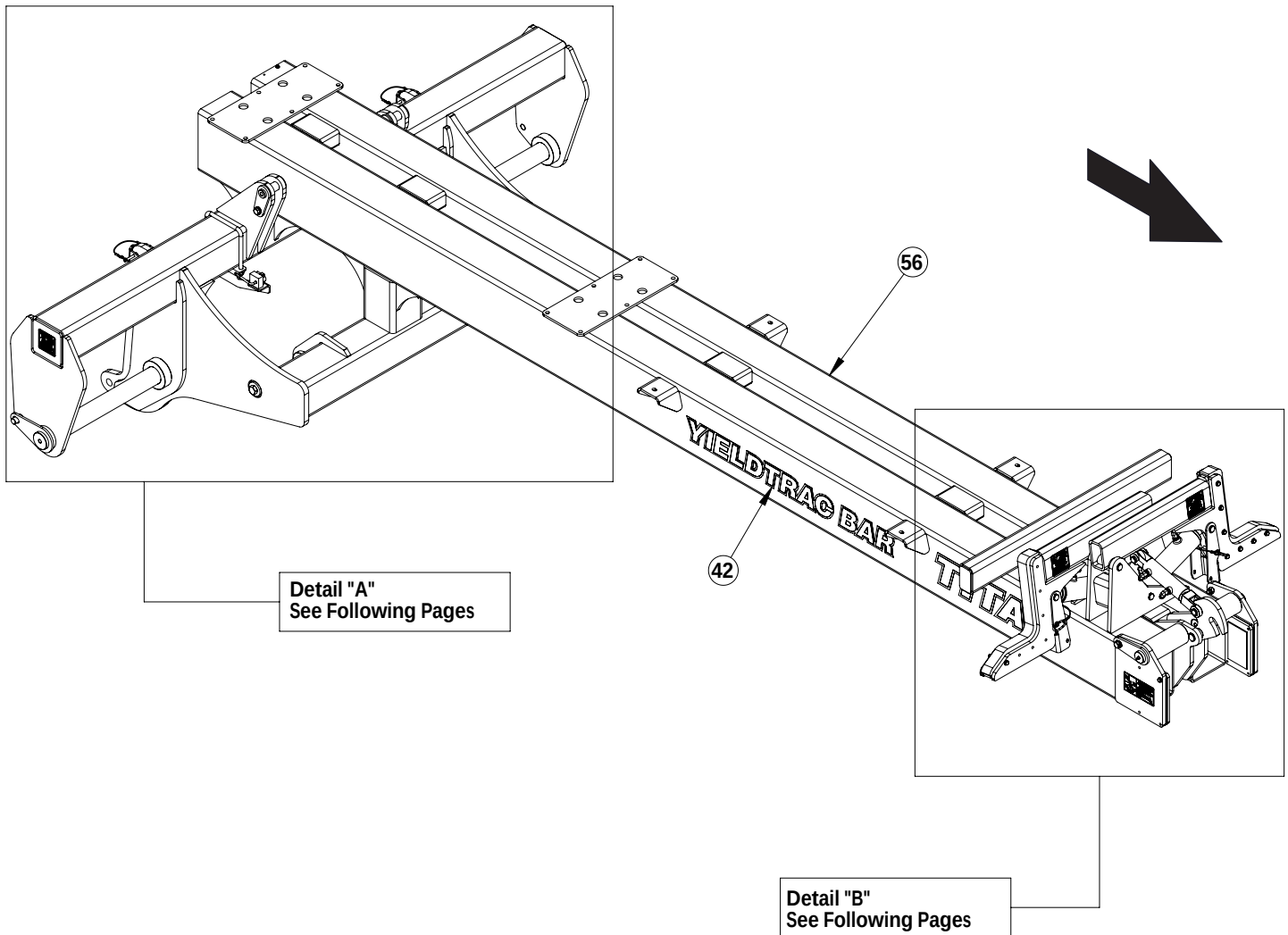
TA00612 Assy, Tow Bar - LH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HNut-1.5000-6-YZ8	HNut-1.5000-6-YZ8	2	
2	T0051213	RH End Link	1	
3	T0051729	Decal, Reflector, Yellow-2x9	2	
4	TW000616	LH Tow Bar Weldment	1	

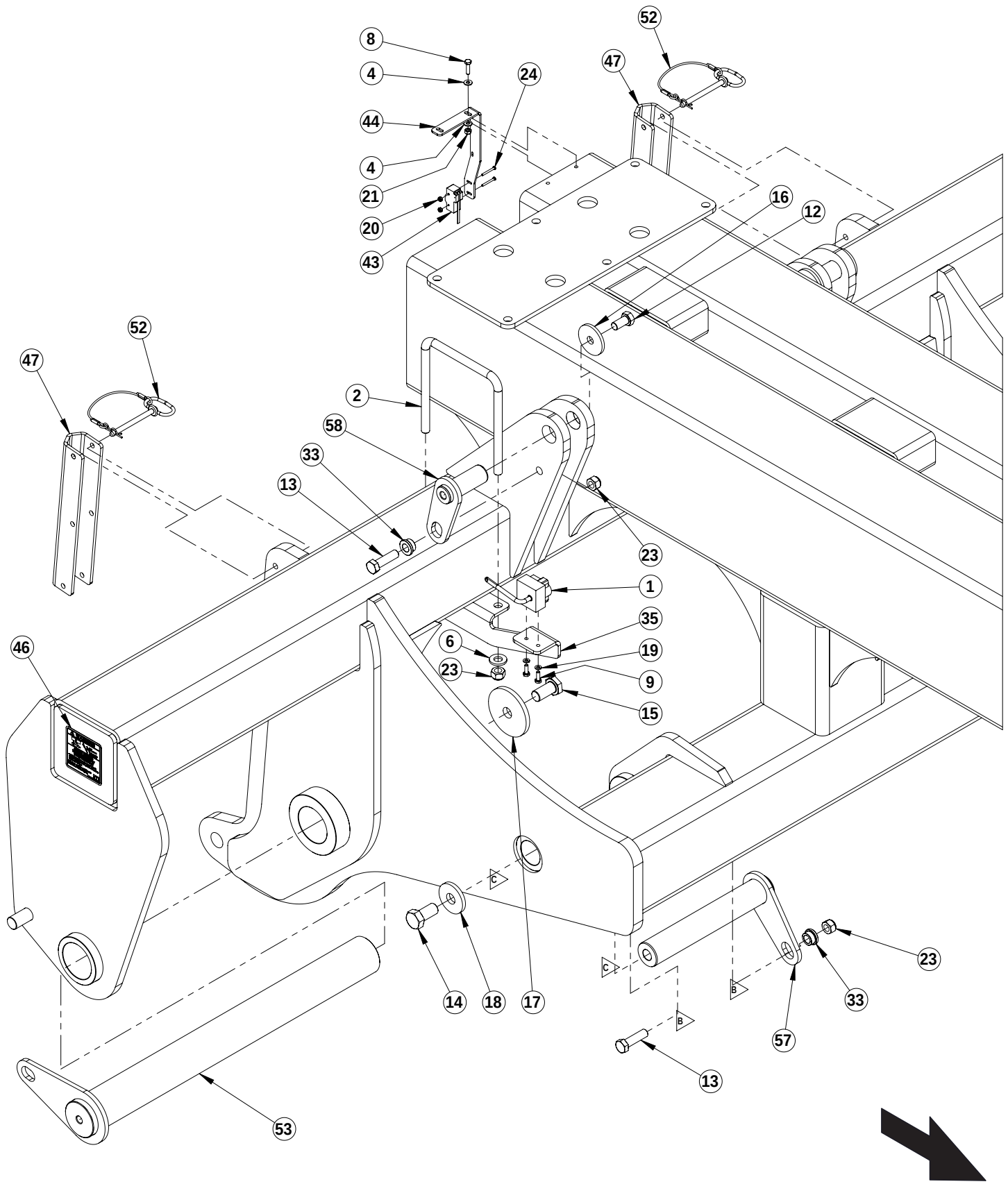


TA00657 Assy, Tow Bar - RH

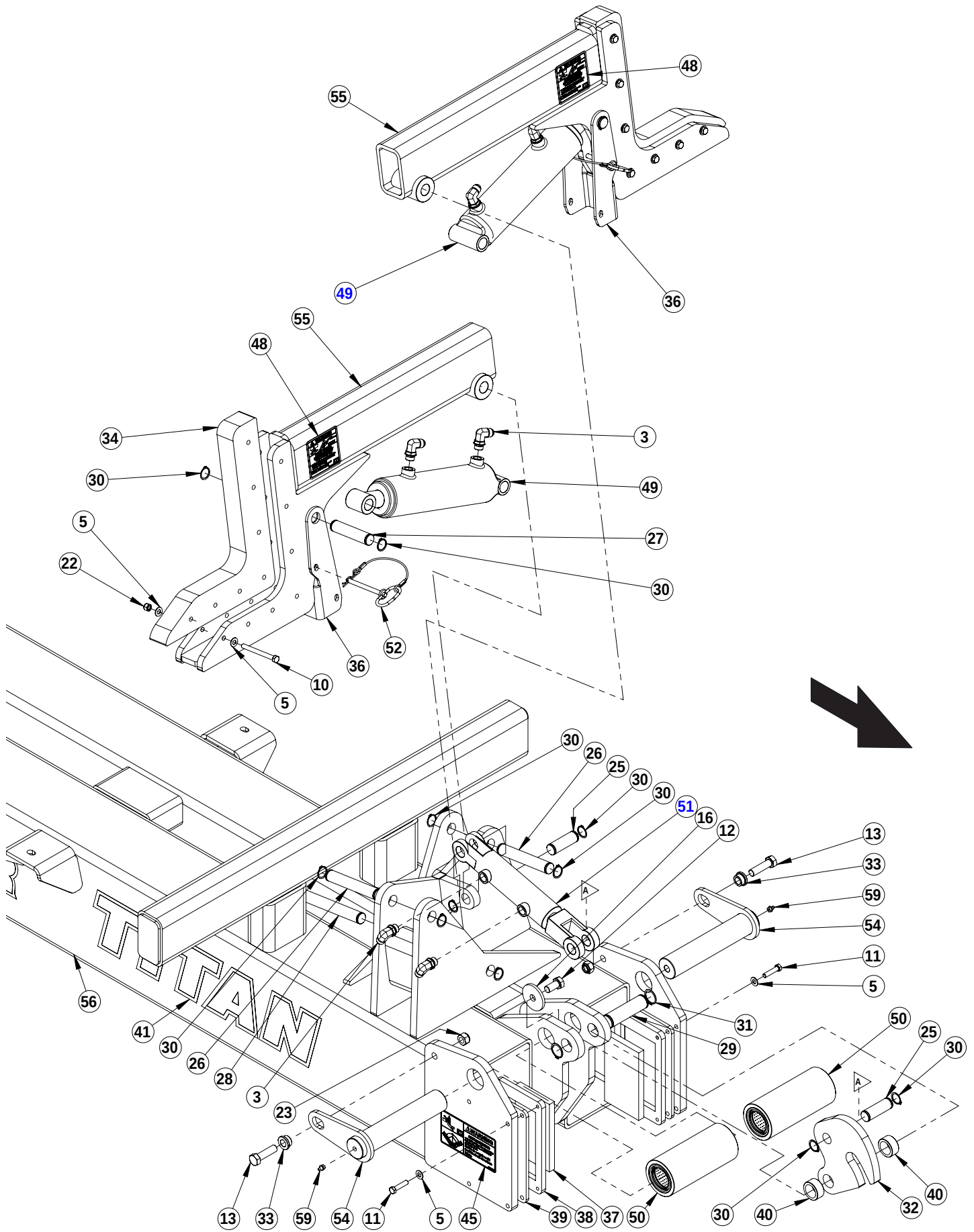
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HNut-1.5000-6-YZ8	HNut-1.5000-6-YZ8	2	
2	T0051213	RH End Link	1	
3	T0051729	Decal, Reflector, Yellow-2x9	2	
4	TW000647	RH Tow Bar Weldment	1	



TA00587 Track Carrier				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
42	T0051443	Decal, Yieldtrac Bar 4.4x47.1	2	
56	TW000609	Track Mount Weldment	1	

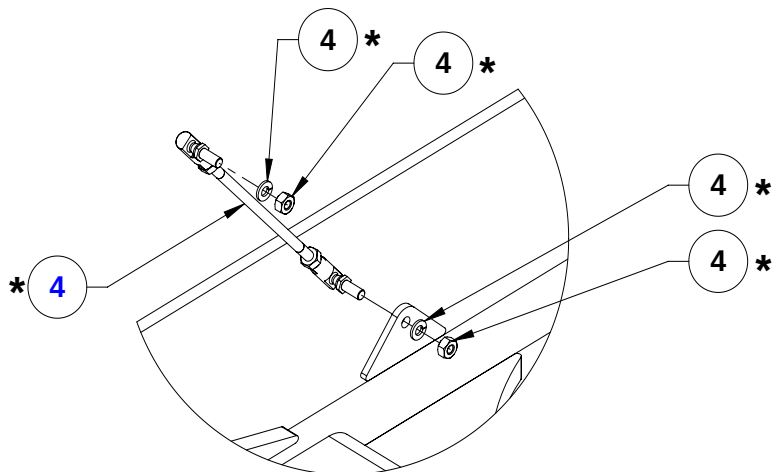
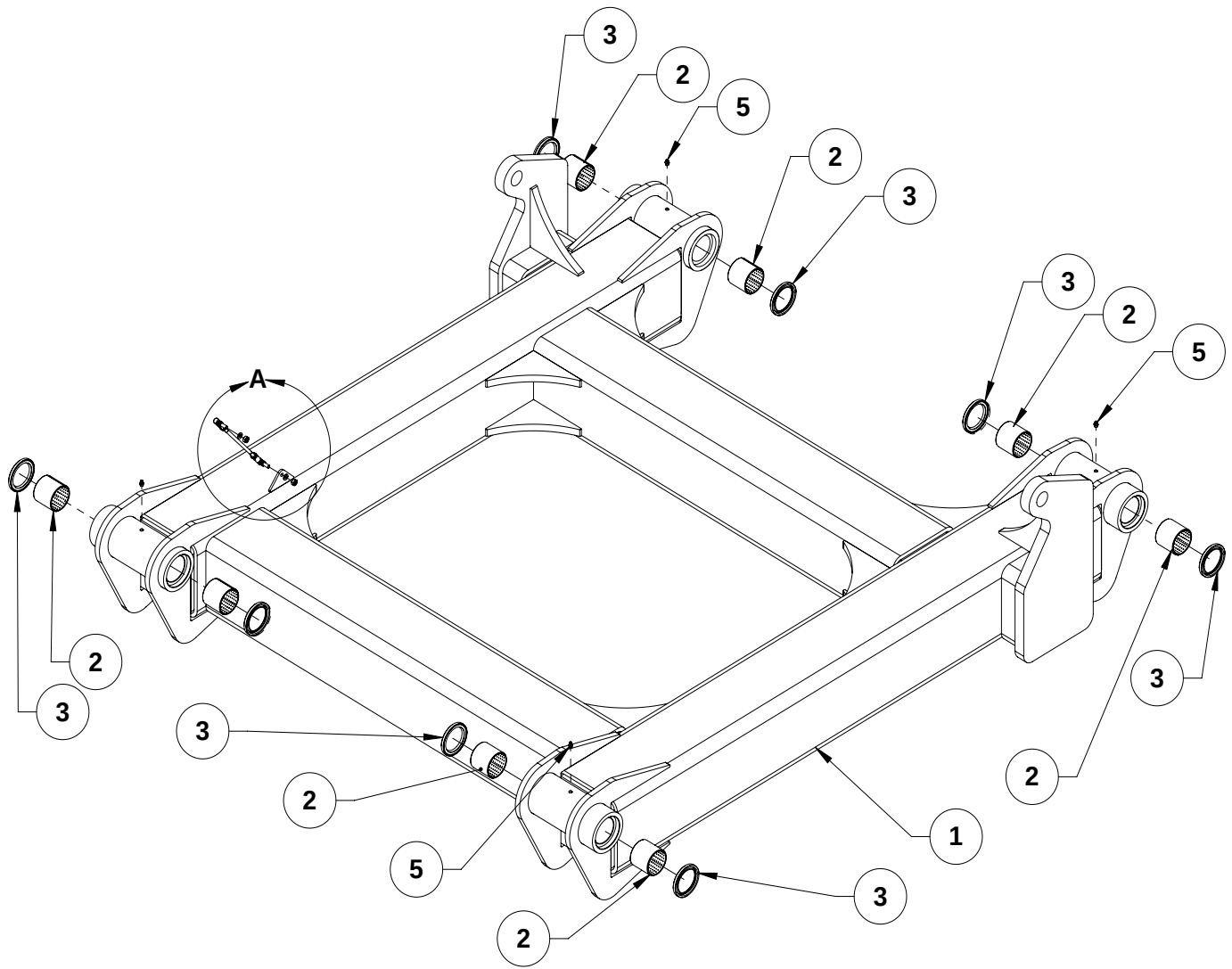


TA00587 Track Carrier				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	404202A1	SENSOR ROTARY POSITION	1	
2	1250813C1	U Bolt	1	
4	FW-SAE-0.250-YZ	FW SAE 0.250-YZ	4	
8	HBolt-0.2500-20x1.000-YZ8	HBOLT 0.250-20x1.000-YZ8	2	
9	HBolt-0.2500-20x0.750-YZ8	HBolt-0.2500-20x0.750-YZ8	2	
12	HBolt-0.6250-11x1.250-YZ8	HBolt-0.6250-11x1.250-YZ8	4	
13	HBolt-0.6250-11x2.250-YZ8	HBolt-0.6250-11x2.250-YZ8	6	
14	HBolt-0.8750-9x1.750-YZ8	HBolt-0.8750-9x1.750-YZ8	2	
15	HBOLT-0.8750-9X1.750-YZ8 – SH	HBolt-0.8750-9X1.750-YZ8 – SH	2	
16	HD Washer 0.64 x 2.50	HD Washer 0.64 x 2.50	4	
17	HD Washer 0.89 x 4.00	HD Washer .875 x 4.0	2	
18	HD Washer 0.89 x 2.50	HD Washer 0.89 x 2.50	2	
19	LW-0.2500-YZ	LW-0.2500-YZ	2	
20	NLNut-0.1380-32-CZ5	NLNut-0.1380-32-CZ5	2	
21	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	2	
23	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	8	
24	PHSMS-.1380-32x1.250-CZ5	PHSMS-.1380-31x1.250-CZ5	2	
33	T0050854	Anti Rotation Insert	6	
35	T0051208	Brckt, Position Sensor Mtg	1	
43	T0051496	Switch - Hitch Position	1	
44	T0051497	Bracket - Hitch Latch Sensor	1	
46	T0051593	Decal, Warn-Trans Crush Haz Main Lift	2	
47	T0051679	Channel - Transport Lock	2	
52	TA00659	Assy, Hitch Pin With Lanyard	4	
53	TW000584	Pin Weldment	2	
57	TW000615	Pin Weldment	2	
58	TW000630	Pin Weldment	2	



TA00587 Track Carrier

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
3	ADAPTER 08MJ-08MB 90	ADAPTER 08MJ-08MB 90	6	
5	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	36	
10	HBolt-0.3750-16x4.000-YZ8	HBolt-0.3750-16x4.000-YZ8	14	
11	HBolt-0.3750-16x1.625-YZ8	HBolt-0.3750-16x1.625-YZ8	8	
12	HBolt-0.6250-11x1.250-YZ8	HBolt-0.6250-11x1.250-YZ8	4	
13	HBolt-0.6250-11x2.250-YZ8	HBolt-0.6250-11x2.250-YZ8	6	
14	HBolt-0.8750-9x1.750-YZ8	HBolt-0.8750-9x1.750-YZ8	2	
15	HBOLT-0.8750-9X1.750-YZ8 – SH	HBolt-0.8750-9X1.750-YZ8 – SH	2	
16	HD Washer 0.64 x 2.50	HD Washer 0.64 x 2.50	4	
22	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	14	
23	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	8	
25	Pin 1.00 x 2.625-YZ	Pin-1.0000x2.625-YZ	2	
26	PIN 1.00 x 5.75-YZ	Pin-1.0000x5.750-YZ	2	
27	Pin-1.0000x4.125-YZ	Pin-1.0000x4.125-YZ	2	
28	Pin-1.0000x10.625-YZ	Pin-1.0000x10.625-YZ	1	
29	Pin-1.2500x4.125-YZ	Pin-1.2500x4.125-YZ	1	
30	SRing-Ext-1.000	SRing-Ext-1.000	14	
31	SRing-Ext-1.250	SRing-Ext-1.250	2	
32	T0050781	Hook	1	
33	T0050854	Anti Rotation Insert	6	
34	T0051012	Glider	2	
36	T0051273	Cradle Lift Cylinder Stop	2	
37	T0051275	Slider	2	
38	T0051276	Pad Holder	2	
39	T0051280	Pad Frame Spacer	2	
40	T0051441	Spacer - Hitch Latch	2	
41	T0051442	Decal, Titan 6x28.1	2	
45	T0051588	Decal, Warning - Crush Hazard	2	
48	T0051686	Decal, Warn-Trans Crush Haz Cradle Lift	2	
49	TA00597	Cylinder-Hyd 3.00X8.00	2	
50	TA00598	Hitch Roller Assy	2	
51	TA00632	Cylinder-Hyd 2.00X4.00	1	
52	TA00659	Assy, Hitch Pin With Lanyard	4	
54	TW000590	Pin Weldment	2	
55	TW000601	Cradle Lift Arm Weldment	2	
56	TW000609	Track Mount Weldment	1	
59	Zerk-0.1250-27-NPT	Zerk-0.1250-27-NPT	2	

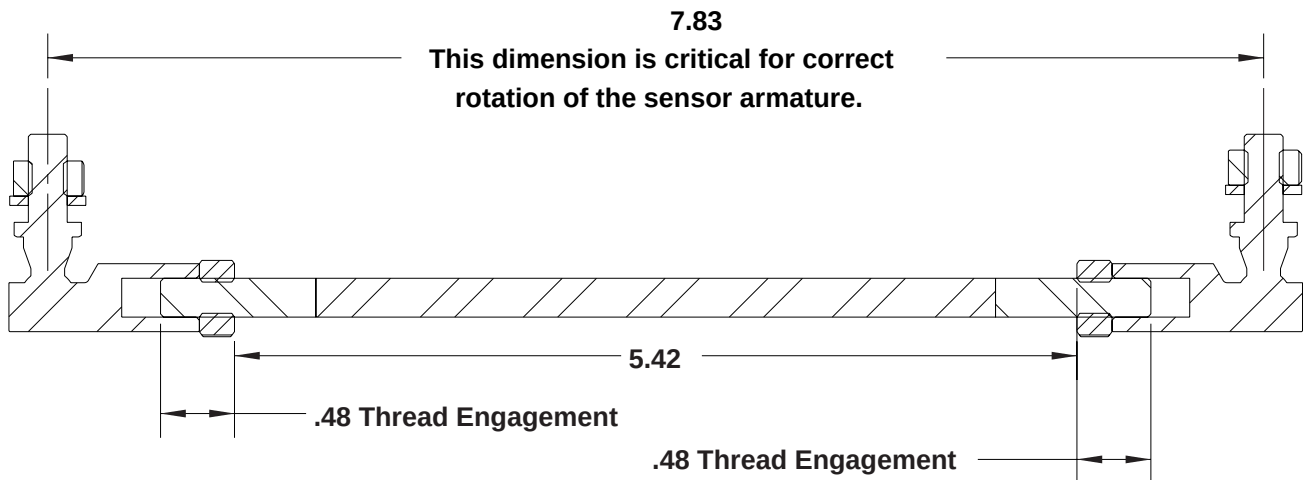
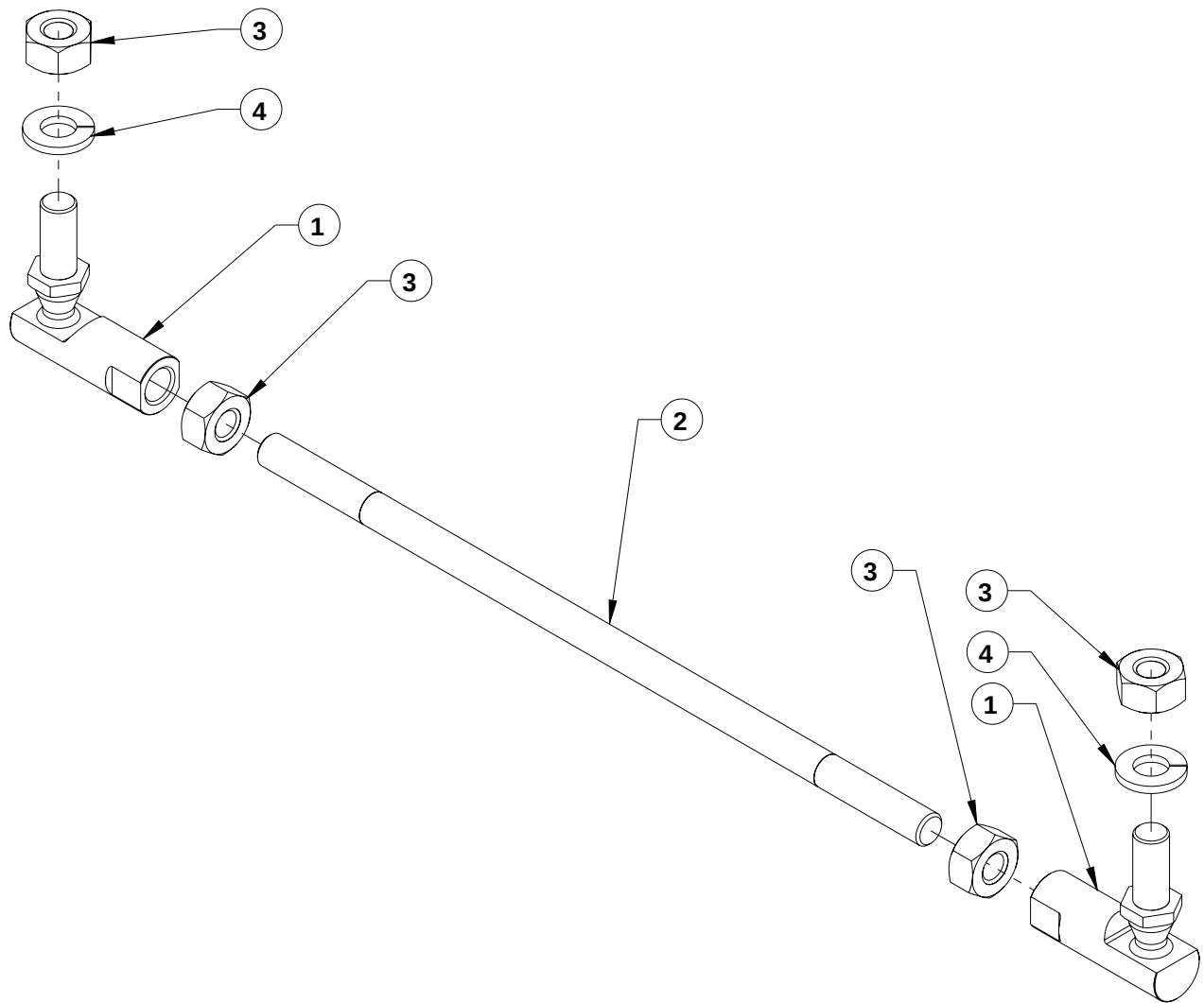


DETAIL A
SCALE 1 : 4

TA00611 Main Lift Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW000567	Lift Weldment	1	
2	T0050953	Steel Backed Bronze Bearing 2.0 ID	8	
3	T0051585	2.00 Grease Seal	8	
4	TA00630	Assy, Position Sensor Link	1	
5	Zerk-0.2500-28	Zerk-0.2500-28	4	

Note:

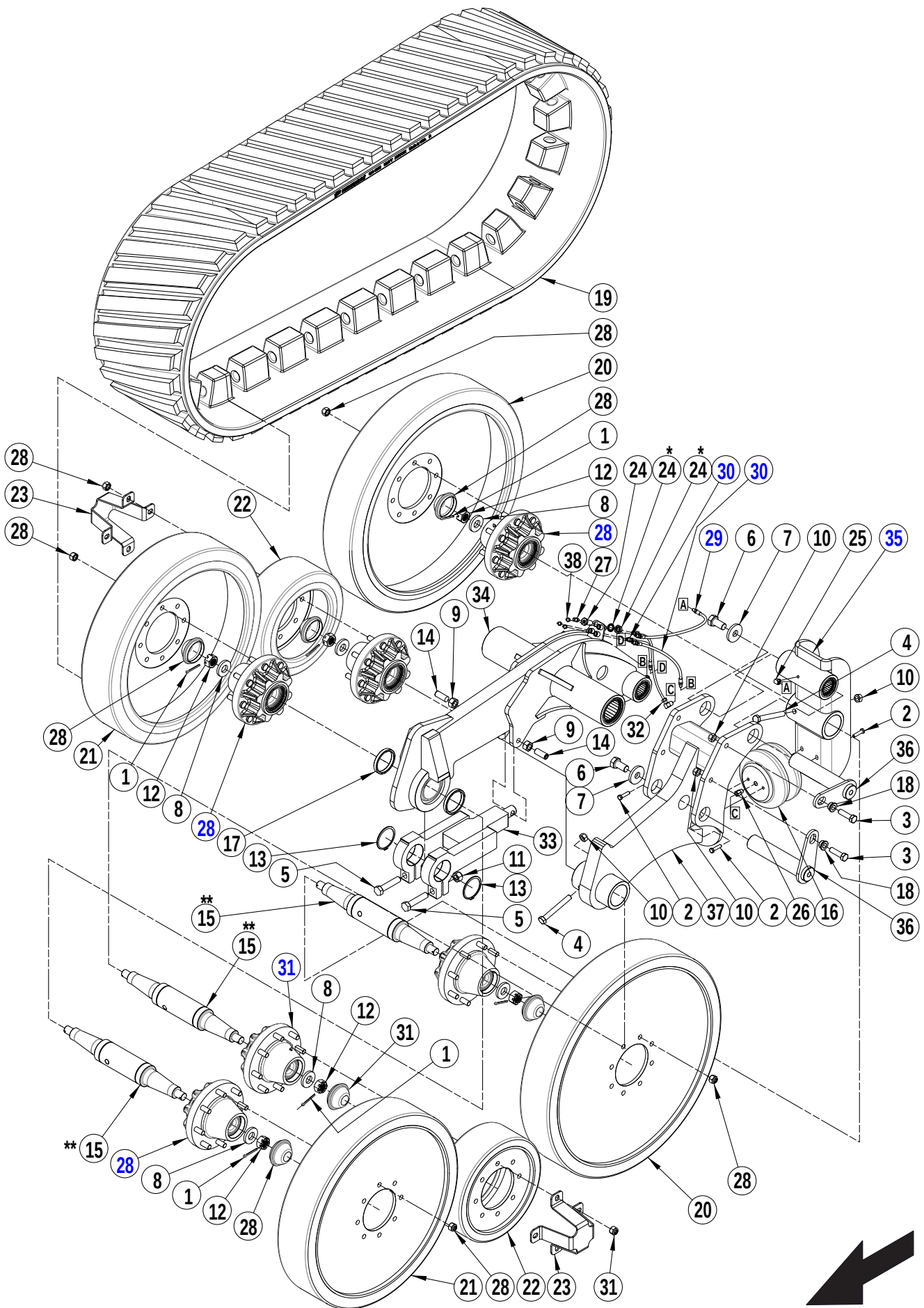
* Items marked with an asterisk are items that are included in that particular part or assembly.



SECTION A-A
SCALE 1 : 1.25

TA00630 Assy, Position Sensor Link

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	BJoint-0.2500-28x90-YZ	BJoint-0.2500-28x90-YZ	2	
2	BJoint-Rod-0.2500-28x6.375-YZ	BJoint-Rod-0.2500-28x6.375-YZ	1	
3	HNut-0.2500-28-YZ8	HNut-0.2500-28-YZ8	4	
4	LW-0.2500-YZ	LW-0.2500-YZ	2	

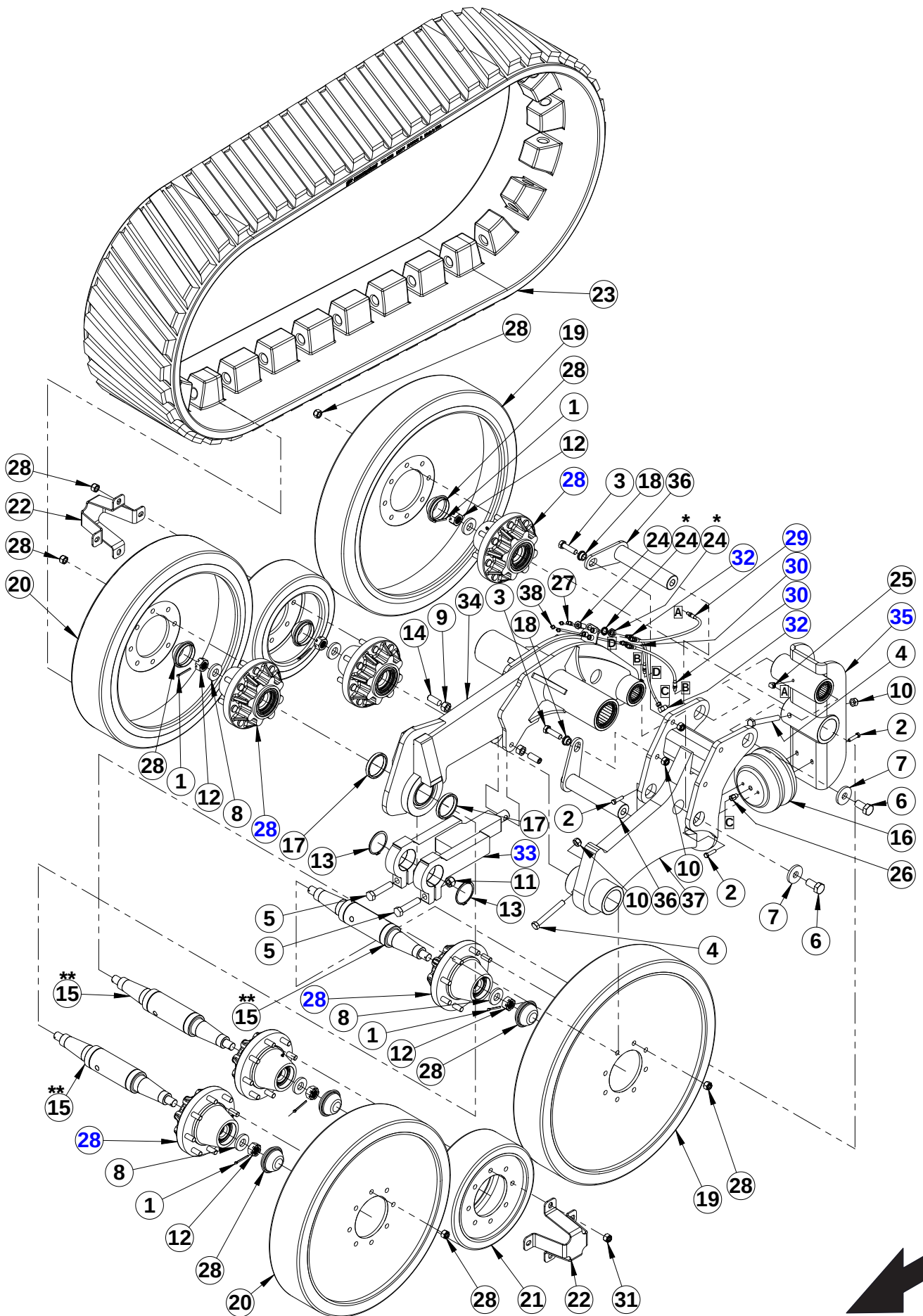


TA00583 Track Assy, LH				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (FT-LBS)
1	CotterPin-.1875X2.000	COTTER PIN, 1/8 X 1, SST	6	
2	HBolt-0.3750-16x1.500-YZ8	HBolt-0.3750-16x1.500-YZ8	4	
3	HBolt-0.6250-11x2.250-YZ8	HBolt-0.6250-11x2.250-YZ8	2	
4	HBolt-0.6250-11x5.000-YZ8	HBolt-0.6250-11x5.000-YZ8	2	
5	Hbolt-0.7500-10x3.500-YZ8	Hbolt-0.7500-10x3.500-YZ8	2	
6	HBolt-0.8750-9x1.750-YZ8	HBolt-0.8750-9x1.750-YZ8	2	
7	HD Washer 0.89 x 2.50	HD Washer 0.89 x 2.50	2	
8	HD Washer 1.06 x 2.25-YZ	Washer, HDØ1.063XØ2.25X.313 YZ	6	
9	HNut-0.7500-10-YZ8	HNUT 0.7500-10-YZ8	2	
10	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	4	
11	NLNut-0.7500-10-YZ8	NLNut-0.7500-10-YZ8	2	
12	S-HNut-1.0000-14-CZ5	Nut, Slotted Hex 1.00-14 CZ5	6	
13	SRing-Ext-3.000	SRing-Ext-3.000	2	
14	SScrew-0.7500-10x2.0-B8	SScrew-0.7500-10x2.0-B8	2	
15	T0050278	Axle, Track Undercarriage	3	
16	T0050294	Air Spring	1	
17	T0050850	Spacer, Ø3.0in ID	2	
18	T0050854	Anti Rotation Insert	2	
19	T0051017	Track, 16.5 x 187 LH Camoplast	1	
20	T0051018	32 Inch Idler Wheel	2	
21	T0051019	28 Inch Idler Wheel	2	
22	T0051023	15 Inch Idler Wheel	2	
23	T0051024	Grease Cap Keeper	2	
24	T0051684	Assy, Bulkhead	1	
25	T0051855	Elbow, Street - 1/8" NPT	1	
26	T0051858	Fitting, 1/4 FG-B	1	
27	T0051861	Valve, Air Stem w Cap	1	
28	TA00600	Idler Hub Assy	5	
29	TA00728	Assy, Grease Line 18"	1	
30	TA00729	Assy, Grease Line 12"	2	
31	TA00600	Idler Hub Assy	1	
32	TA00744	Assy, Track Tension Air Line	1	
33	TA00745	Assy, Steering	1	
34	TA00746	Assy, Undercarriage Main Beam	1	
35	TA00747	Assy, Rear Pivot	1	
36	TW000597	Pin Weldment	2	
37	TW000604	Pivot Arm Machined	1	
38	Zerk-0.1250-27-NPT	Zerk-0.1250-27-NPT	3	

Note:

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

** Coat outside center 6.5" Length of axle P/N T0050278 with Anti-Seize before assembly.

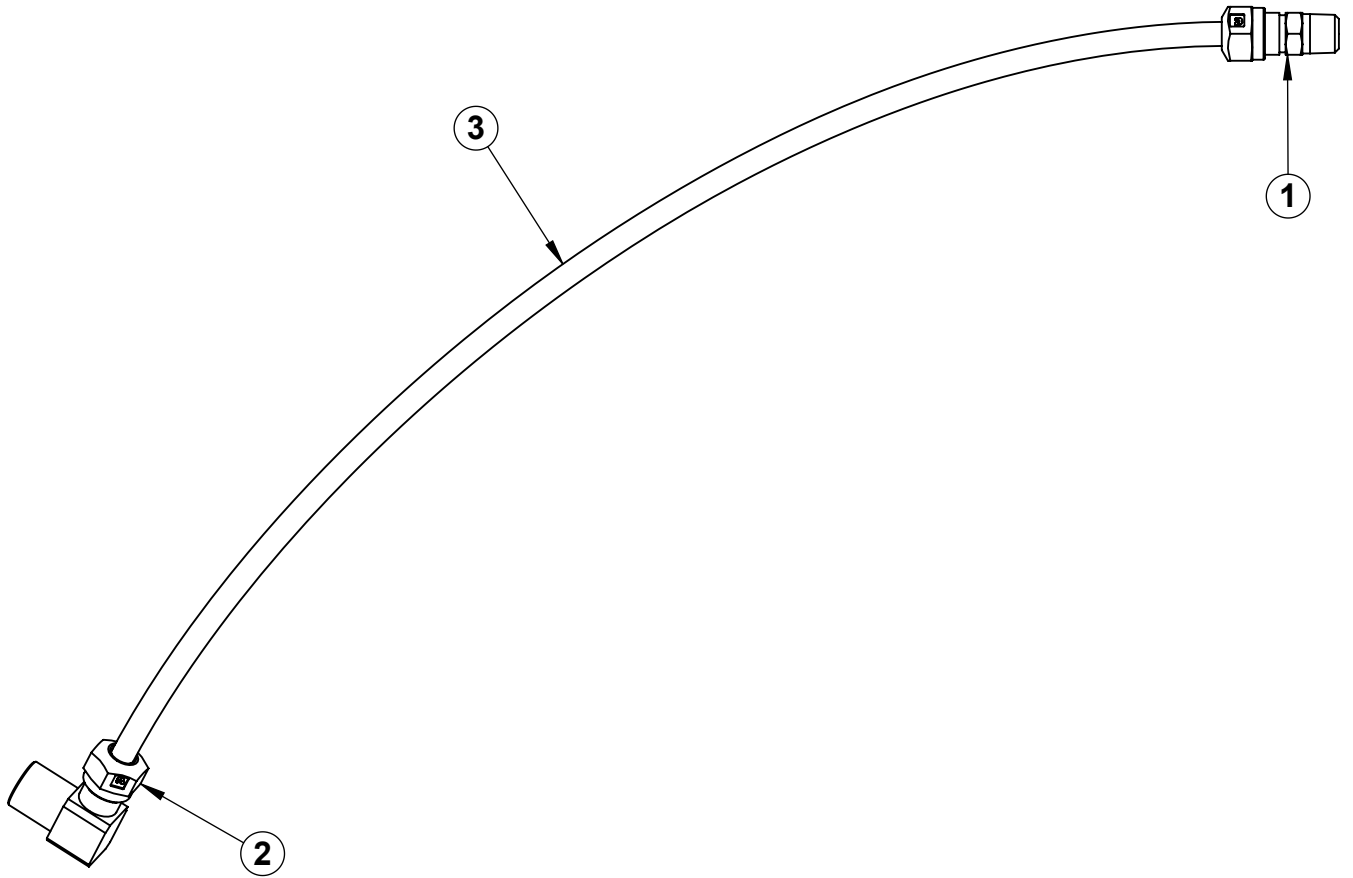


TA00647 Track Assy, RH				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CotterPin-.1875X2.000	COTTER PIN, 1/8 X 1, SST	6	
2	HBolt-0.3750-16x1.500-YZ8	HBolt-0.3750-16x1.500-YZ8	4	
3	HBolt-0.6250-11x2.250-YZ8	HBolt-0.6250-11x2.250-YZ8	2	
4	HBolt-0.6250-11x5.000-YZ8	HBolt-0.6250-11x5.000-YZ8	2	
5	Hbolt-0.7500-10x3.500-YZ8	Hbolt-0.7500-10x3.500-YZ8	2	
6	HBolt-0.8750-9x1.750-YZ8	HBolt-0.8750-9x1.750-YZ8	2	
7	HD Washer 0.89 x 2.50	HD Washer 0.89 x 2.50	2	
8	HD Washer 1.06 x 2.25-YZ	Washer, HDØ1.063XØ2.25X.313 YZ	6	
9	HNut-0.7500-10-YZ8	HNUT 0.7500-10-YZ8	2	
10	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	4	
11	NLNut-0.7500-10-YZ8	NLNut-0.7500-10-YZ8	2	
12	S-HNut-1.0000-14-CZ5	Nut, Slotted Hex 1.00-14 CZ5	6	
13	SRing-Ext-3.000	SRing-Ext-3.000	2	
14	SScrew-0.7500-10x2.0-B8	SScrew-0.7500-10x2.0-B8	2	
15	T0050278	Axle, Track Undercarriage	3	
16	T0050294	Air Spring	1	
17	T0050850	Spacer, Ø3.0in ID	2	
18	T0050854	Anti Rotation Insert	2	
19	T0051018	32 Inch Idler Wheel	2	
20	T0051019	28 Inch Idler Wheel	2	
21	T0051023	15 Inch Idler Wheel	2	
22	T0051024	Grease Cap Keeper	2	
23	T0051036	Track, 16.5 x 187 RH Camoplast	1	
24	T0051684	Assy, Bulkhead	1	
25	T0051855	Elbow, Street - 1/8" NPT	1	
26	T0051858	Fitting, 1/4 FG-B	1	
27	T0051861	Valve, Air Stem w Cap	1	
28	TA00600	Idler Hub Assy	5	
29	TA00728	Assy, Grease Line 18"	1	
30	TA00729	Assy, Grease Line 12"	2	
31	TA00600	Idler Hub Assy	1	
32	TA00744	Assy, Track Tension Air Line	1	
33	TA00745	Assy, Steering	1	
34	TA00746	Assy, Undercarriage Main Beam	1	
35	TA00747	Assy, Rear Pivot	1	
36	TW000597	Pin Weldment	2	
37	TW000604	Pivot Arm Machined	1	
38	Zerk-0.1250-27-NPT	Zerk-0.1250-27-NPT	3	

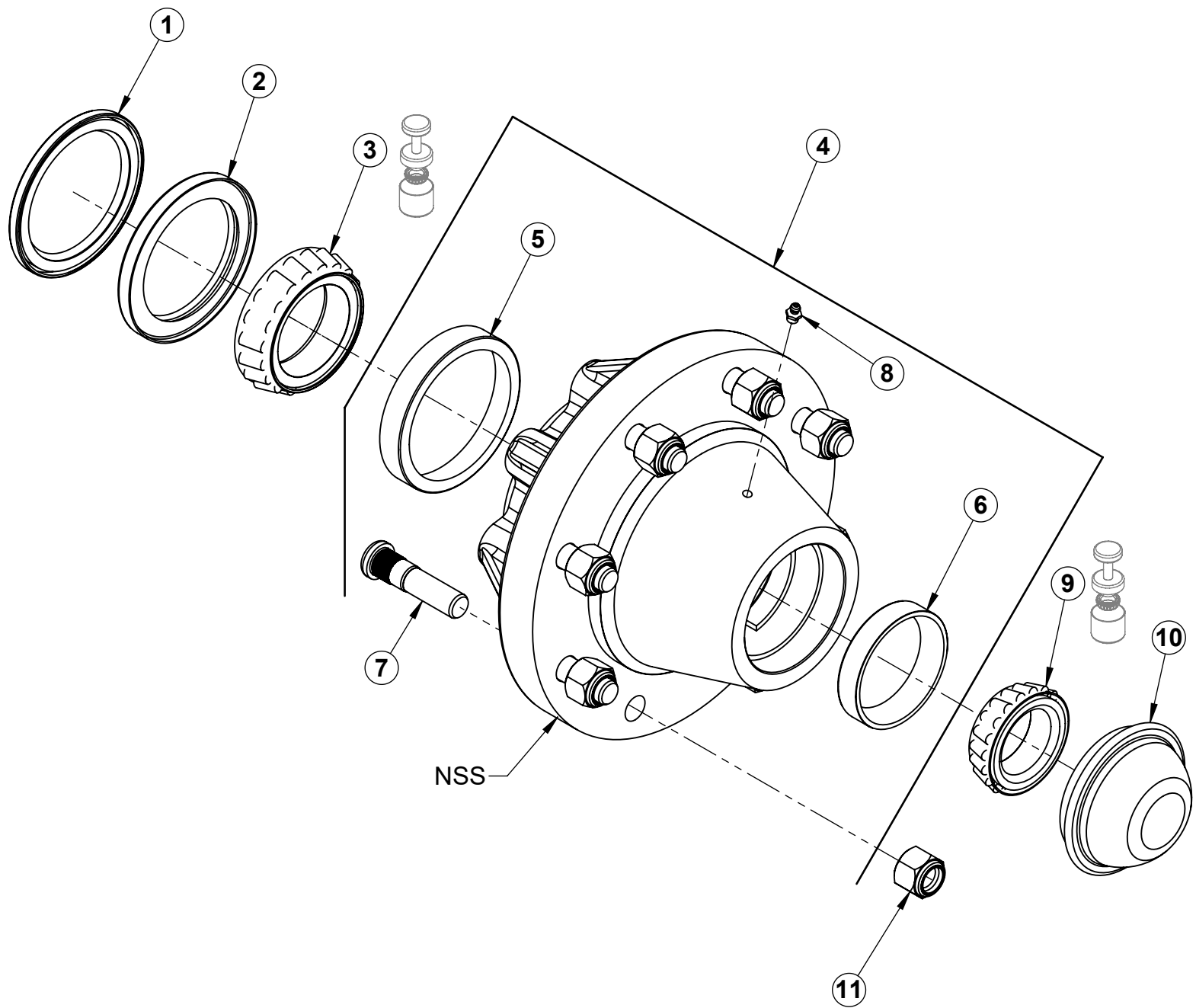
Note:

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

** Coat outside center 6.5" Length of axle P/N T0050278 with Anti-Seize before assembly.



TA00744 Assy, Track Tension Air Line			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	T0051843	Fitting, Low Pressure Straight, Tube to Pipe	1
2	T0051857	Fitting, Elbow, 1/4" Tube to 1/4" NPT	1
3	T0051944	Hose, 0.25" Air Line (per ft)	1.4

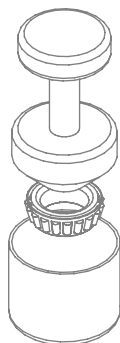


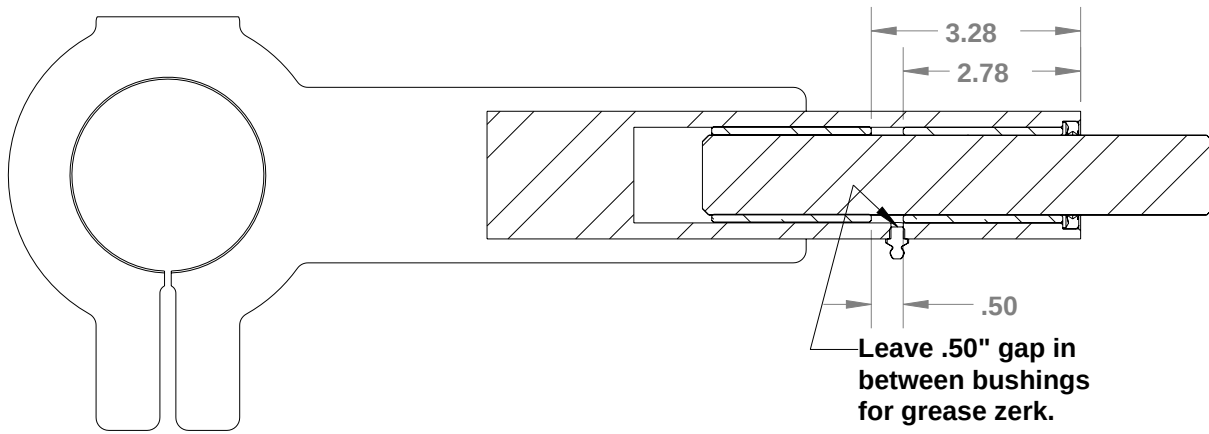
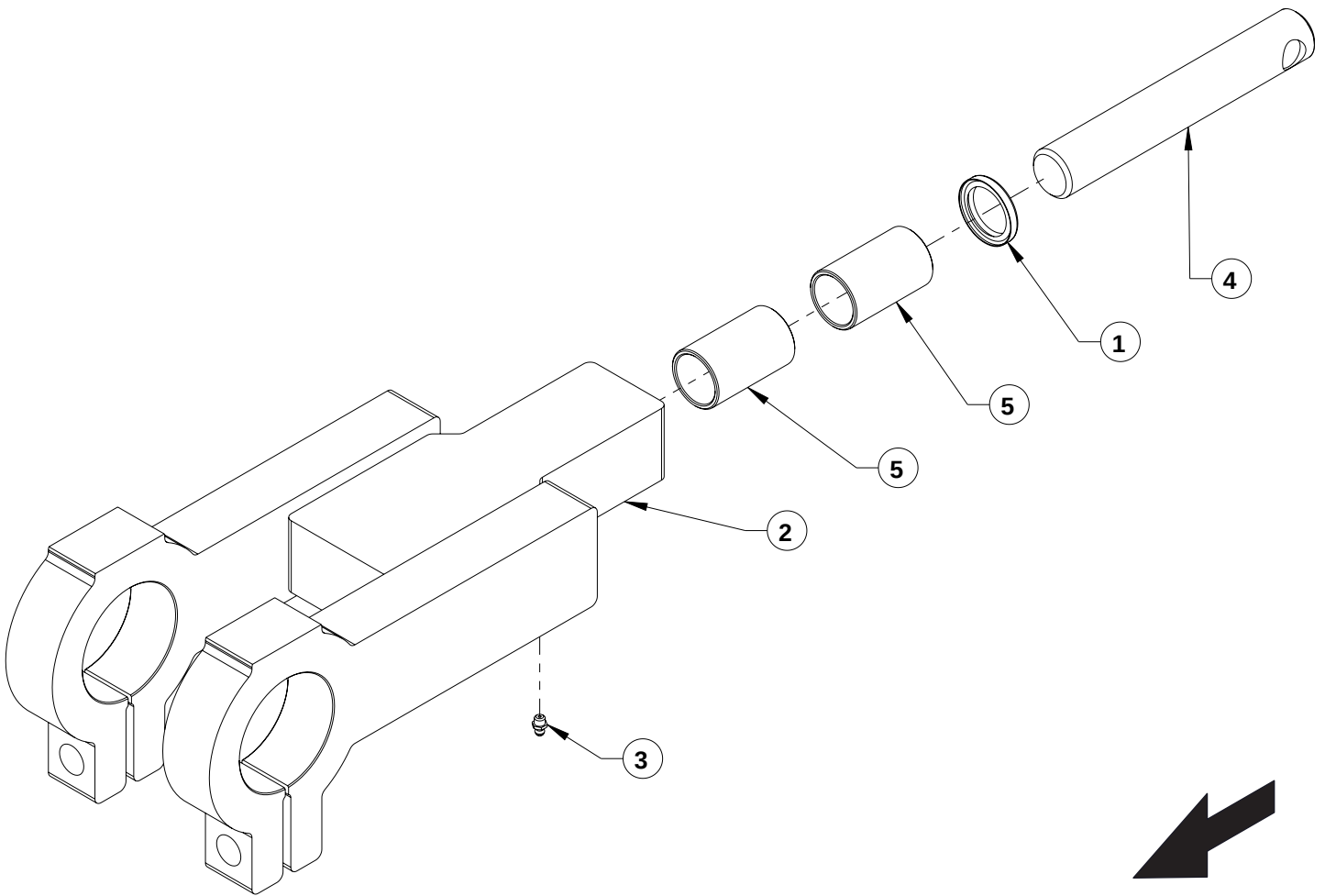
TA00600 Idler Hub Assy

ITEM	PART NUMBER	DESCRIPTION	Vendor PN	QTY.	Order From
1	T0051948	Seal, 3"ID x 4"OD Nitrile Lip Oil	CR 29968	1	Norwood
2	T0051029	Seal, 3"ID x 4"OD Nitrile Lip Oil	CR 29952	1	Norwood
3	T0054433	2.25 Bearing Cone 387A	387A	1	Norwood
4	T0051022	Assy, 8 Bolt Hub	HA817-10	1	Norwood
5	T0054432	3.8125 Bearing Cup 382A	382A	1	Norwood
6	T0055959	2.891 Bearing Cup	LM501310	1	Norwood
7	WS-0.625-18X2.50C8	Wheel Stud, 5/8-18x2-1/2 CZ	WB46	8	Norwood
8	ZERK-0.250-28	Zerk, 1/4-28	60105	1	Norwood
9	T0051031	1.625 Bearing Cone	LM501349	1	Norwood
10	T0051028	Ag Dust Cap	DC26Z	1	Norwood
11	NLNUT-0.625-18Y8	Nylon Lock Nut, 5/8-18 YZ8	37086	8	Norwood

Notes:

- * Use Case IH AkcelA Multi-Purpose Grease 251H EP or equivalent.
- ** Lubricate the seals with petroleum jelly.
- Use P/N 87298944 251H EP Multi-Purpose Grease 35 Lbs (15.9 L)
Or, 132096A1 251H EP Multi-Purpose Grease 14 OZ Tube.
- NSS = Not Sold Separately
- Pack bearings by hand or with a bearing packer machine before assembly. Use an SAE multipurpose high temperature grease with extreme pressure (EP) performance. Also acceptable, SAE multipurpose lithium based grease.

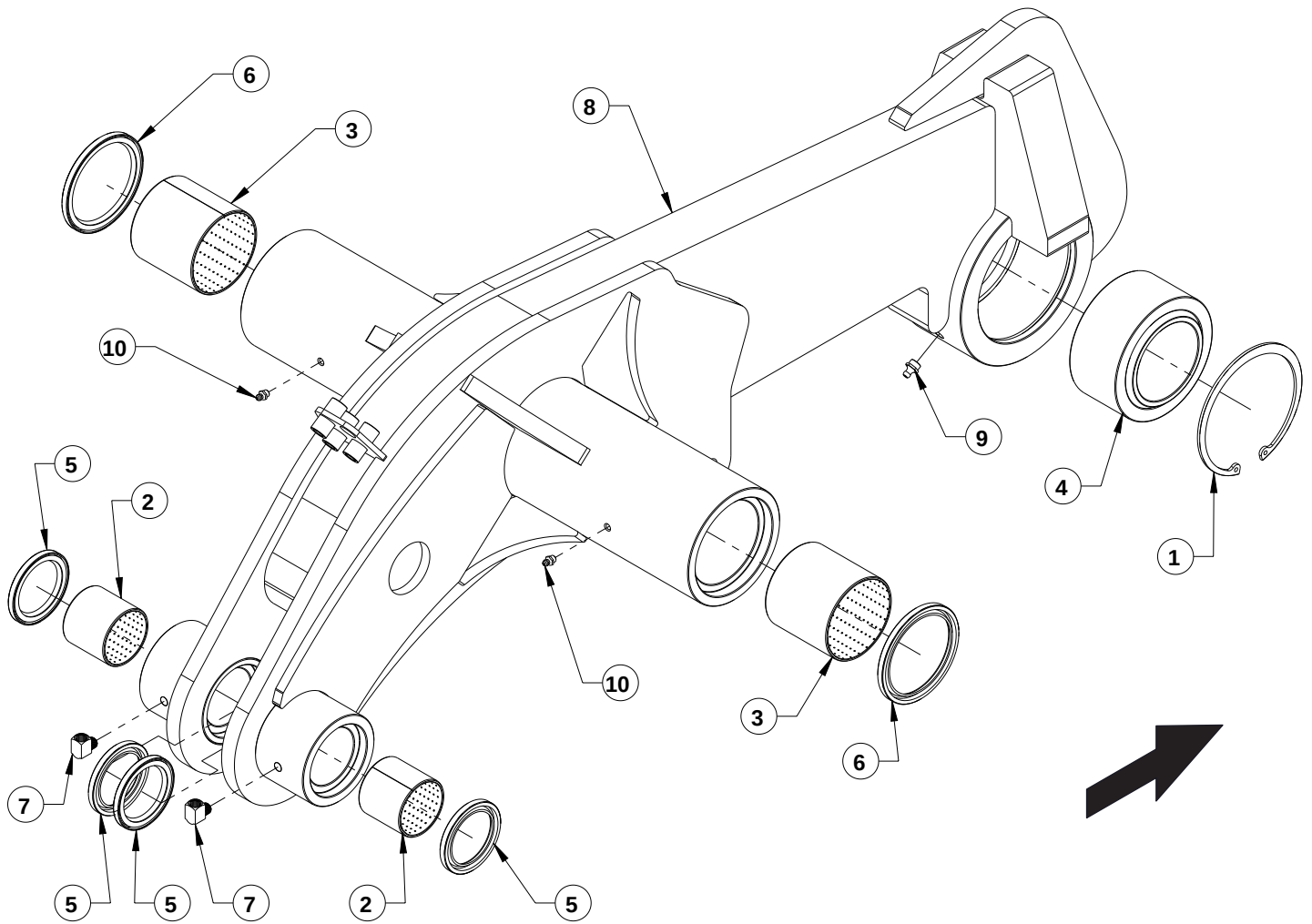




SECTION A-A
SCALE 1 : 3

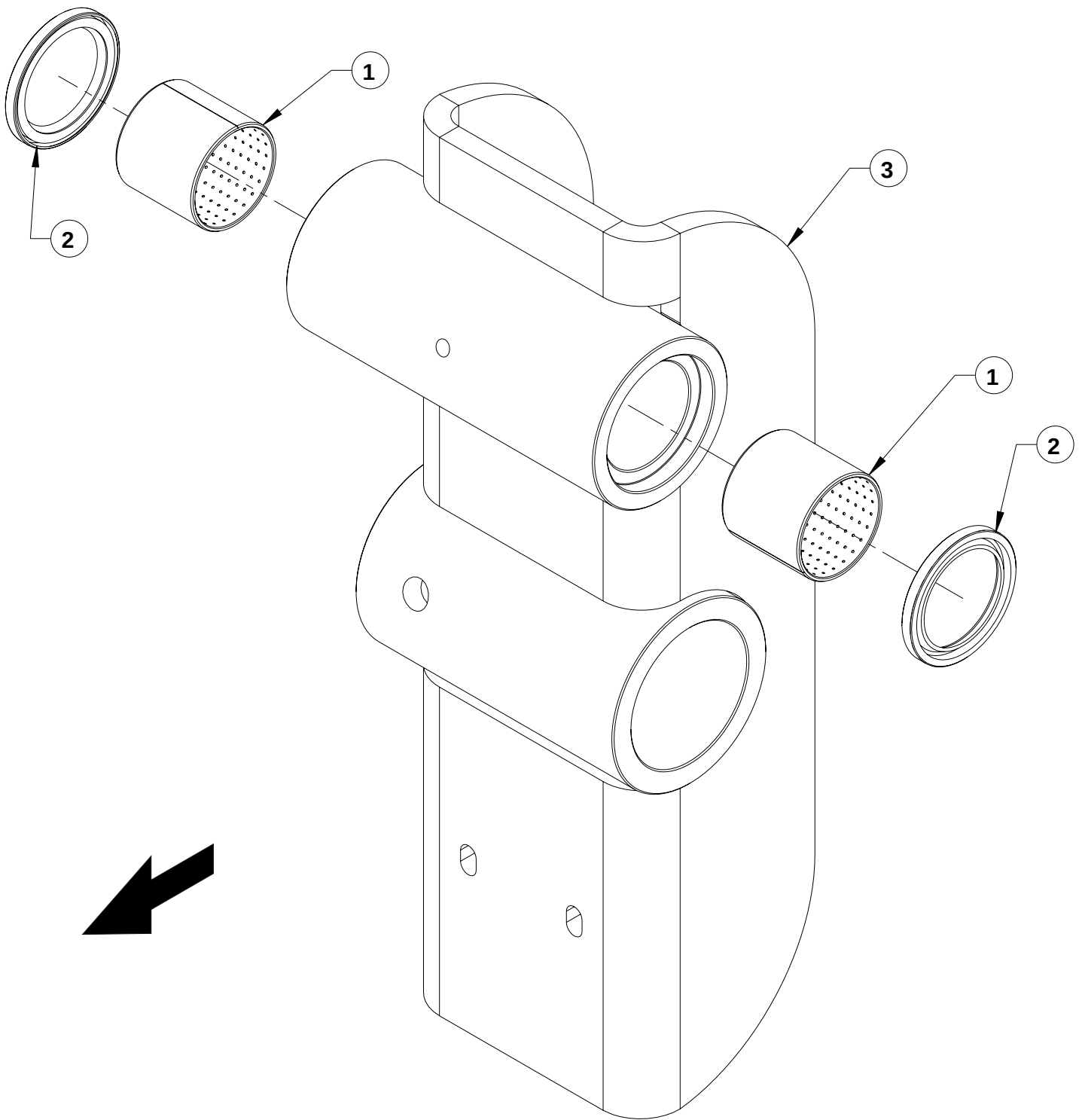
TA00745 Assy, Steering Arm

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0051027	1.25 Inch Seal	1	
2	TW000608	Steering Arm Machined	1	
3	Zerk-0.2500-28	Zerk-0.2500-28	1	
4	T0050891	Steering Pin	1	
5	T0050847	Steering Arm Bushing	2	

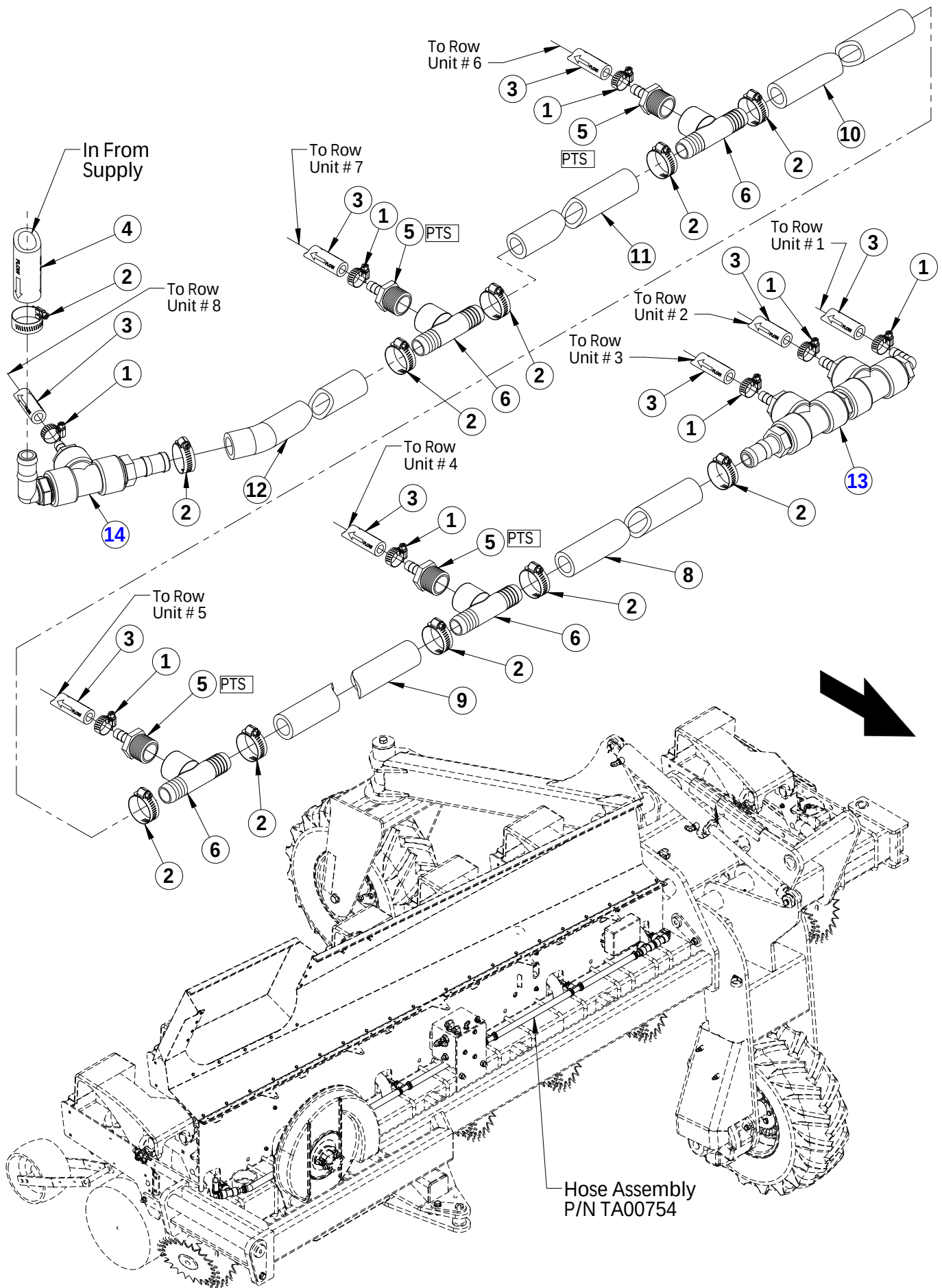


TA00746 Assy, Undercarriage Main Beam

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	SRing-Int-4.750	SRing-Int-4.750	1	
2	T0050953	Steel Backed Bronze Bearing 2.0 ID	2	
3	T0050957	Steel Backed Bronze Bearing 3.0 ID	2	
4	T0051033	3 Inch Spherical Plain Bushing	1	
5	T0051585	2.00 Grease Seal	4	
6	T0051586	3.00 Grease Seal	2	
7	T0051855	Elbow, Street - 1/8" NPT	2	
8	TW000606	Main Beam Machined	1	
9	Zerk-0.1250-27-NPT	Zerk-0.1250-27-NPT	1	
10	Zerk-0.2500-28	Zerk-0.2500-28	2	



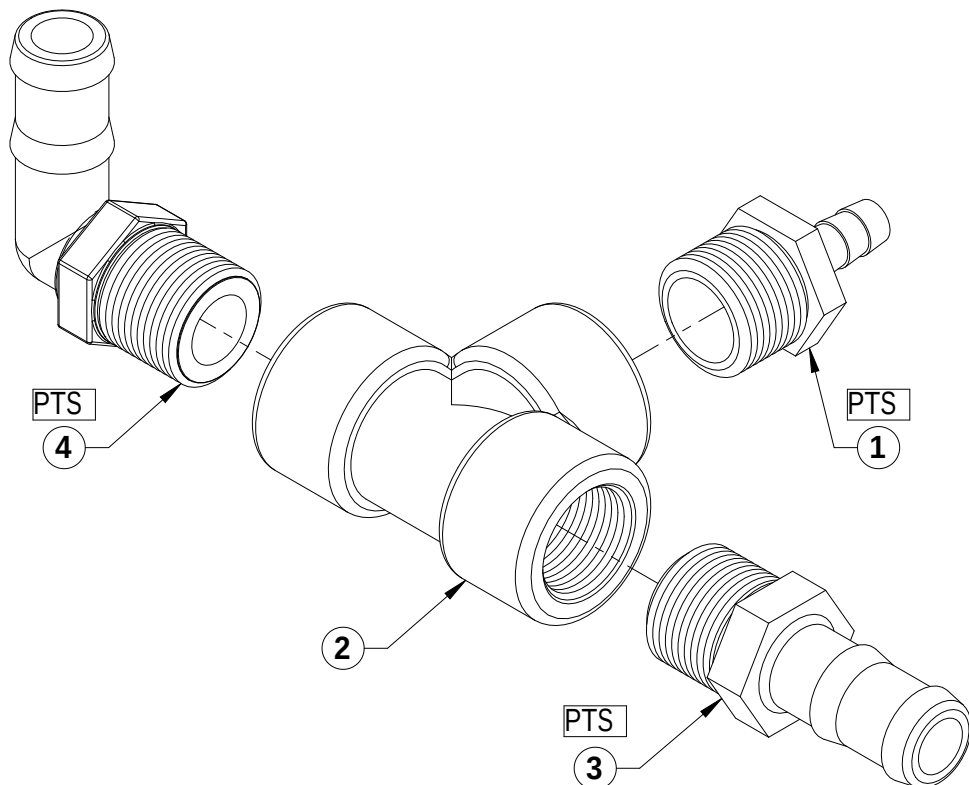
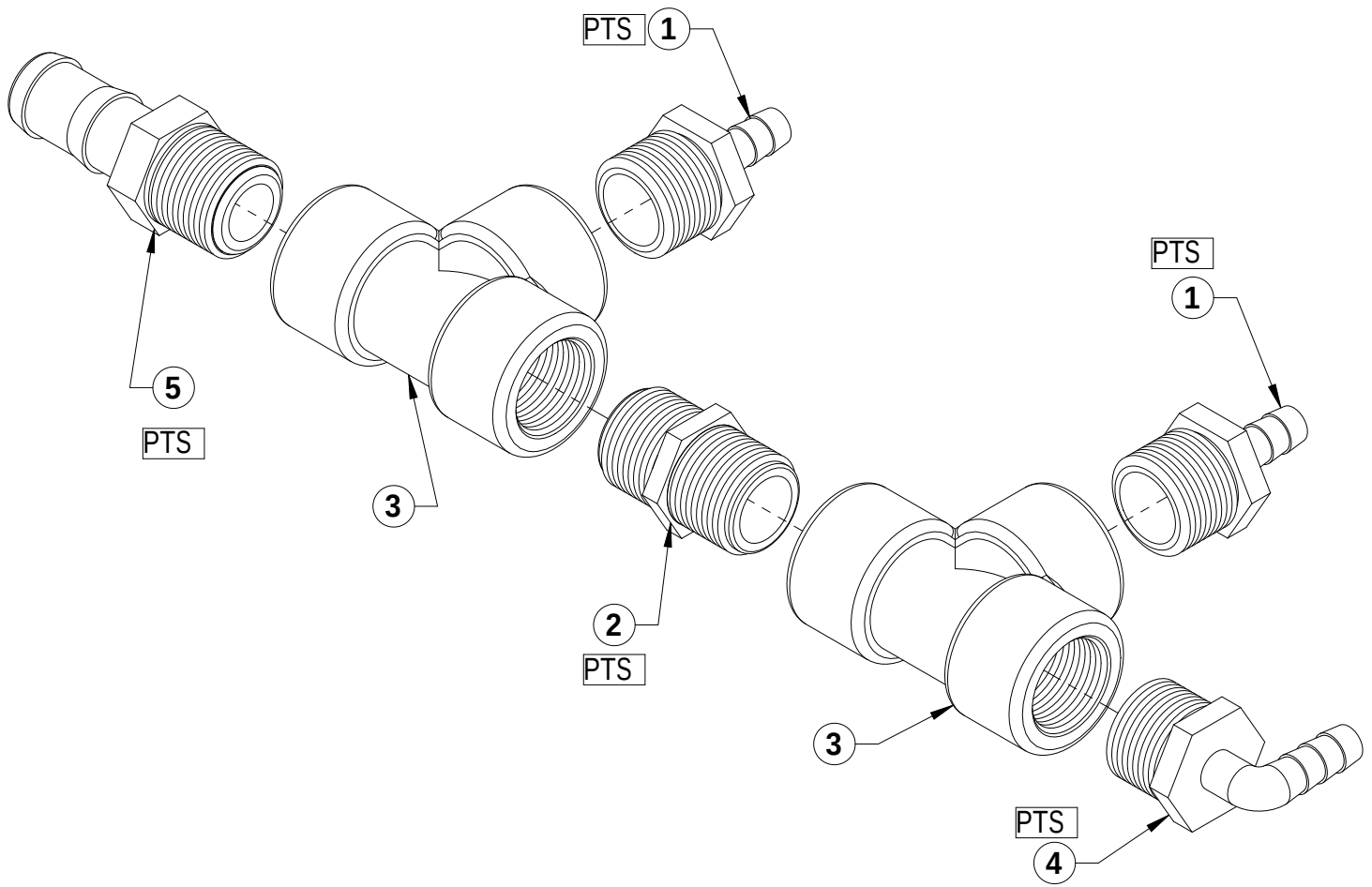
TA00747 Assy, Rear Pivot				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0050953	Steel Backed Bronze Bearing 2.0 ID	2	
2	T0051585	2.00 Grease Seal	2	
3	TW000603	Rear Pivot Machined	1	



TA00754 Assy, Left Wing Fert Hose				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HClamp-SAE-05-SS	HClamp-SAE-05-SS	8	
2	HClamp-SAE-10-SS	HClamp-SAE-10-SS	11	
3	Hose-Ø.375 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	8	
4	Hose-Ø.75 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	1	
5	T0051543	Hose Barb 3/4" MPT x 3/8" HB	4	
6	T0051559	3/4" FPT x 3/4" HB TEE	4	
7	T0051957	Hose, Ø.75ID AG Spray 200(100' Roll)	1	
8	T0051958	Hose, AG Spray 200 Ø.75 IDX17.5	1	
9	T0051959	Hose, AG Spray 200 Ø.75 IDX20.38	1	
10	T0051960	Hose, AG Spray 200 Ø.75 IDX20.3	1	
11	T0051961	Hose, AG Spray 200 Ø.75 IDX20.83	1	
12	T0051963	Hose, AG Spray 200 Ø.75 IDX20.74	1	
13	TA00753	Assy,Fert Man LH Wing RU1-3	1	
14	TA00757	Assy,Fert Manifold LH Wing RU8	1	

Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.
2. For item # 3, use P/N T0051674 Hose-0.38" Spray (100' Roll)
3. For item # 4,8,9,10,11 & 12 use P/N T0051957 Hose,Ø.75ID AG Spray 200(100' Roll)



TA00753 Assy,Fert Man LH Wing RU1-3

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051543	Hose Barb 3/4" MPT x 3/8" HB	2	
2	T0051557	Nipple 3/4" Short	1	
3	T0051558	Tee 3/4" Threaded	2	
4	T0051641	3/4" MPT x 3/8" HB Elbow	1	
5	T0051643	3/4" MPT x 3/4" HB SCH. 40	1	

Note:

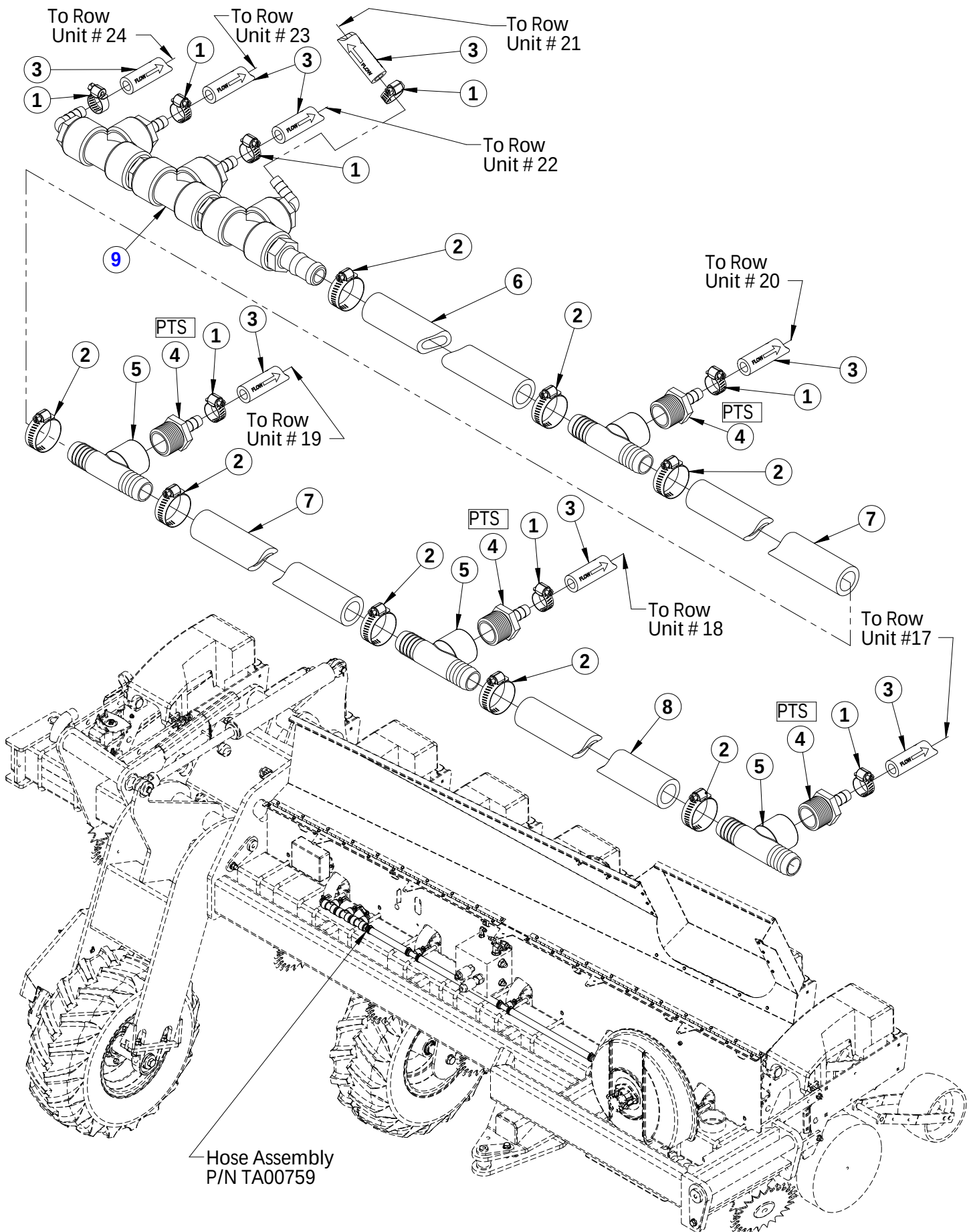
1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.

TA00757 Assy,Fert Manifold LH Wing RU8

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051543	Hose Barb 3/4" MPT x 3/8" HB	1	
2	T0051558	Tee 3/4" Threaded	1	
3	T0051643	3/4" MPT x 3/4" HB SCH. 40	1	
4	T0051644	3/4" MPT x 3/4" HB Elbow	1	

Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.

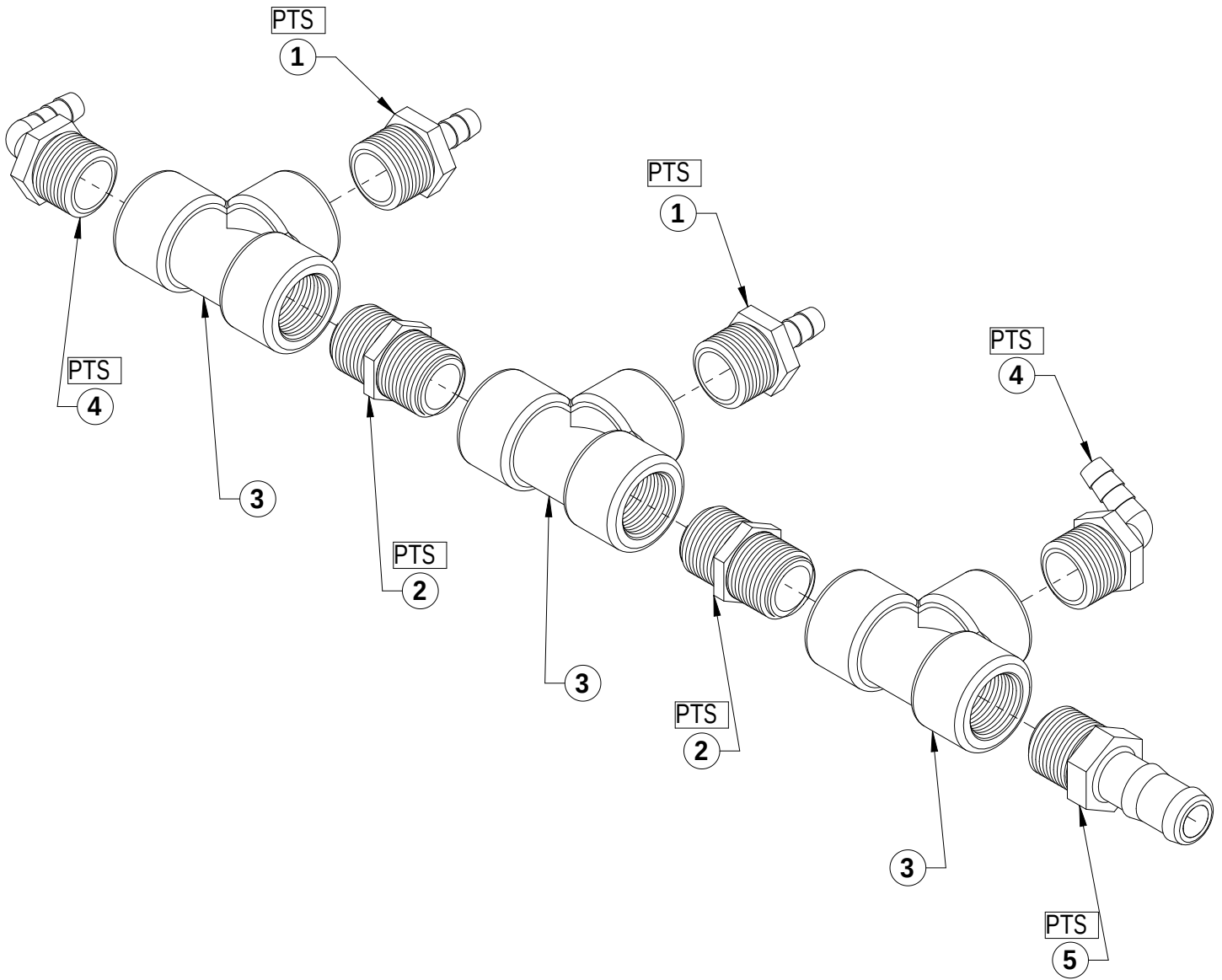


TA00759 Assy, Right Wing Fert Hose

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HClamp-SAE-05-SS	HClamp-SAE-05-SS	8	
2	HClamp-SAE-10-SS	HClamp-SAE-10-SS	8	
3	Hose-Ø.375 ID AG Spray 200	Hose, Ø.375 ID Ag Spray 200	8	
4	T0051543	Hose Barb 3/4" MPT x 3/8" HB	4	
5	T0051559	3/4" FPT x 3/4" HB TEE	4	
6	T0051968	Hose, AG Spray 200 Ø.75IDx10.1	1	
7	T0051969	Hose, AG Spray 200 Ø.75IDx20.3	2	
8	T0051970	Hose, AG Spray 200 Ø.75IDx21.2	1	
9	TA00758	Assy, Fert Manifold-RWing RU21-24	1	

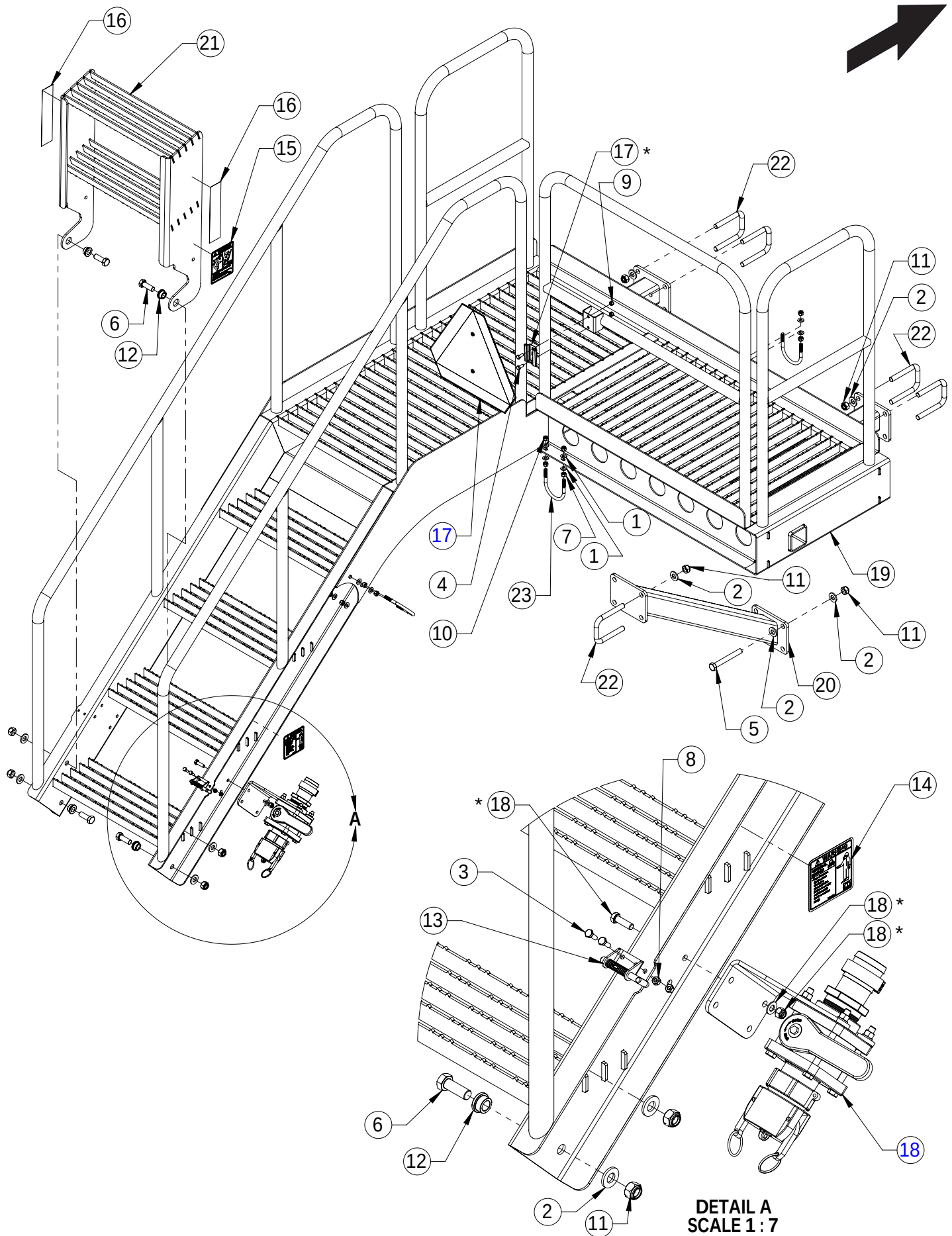
Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.
2. For item # 3, use P/N T0051674 Hose-0.38" Spray (100' Roll)
3. For item # 6,7, & 8 use P/N T0051957 Hose,Ø.75ID AG Spray 200(100' Roll)



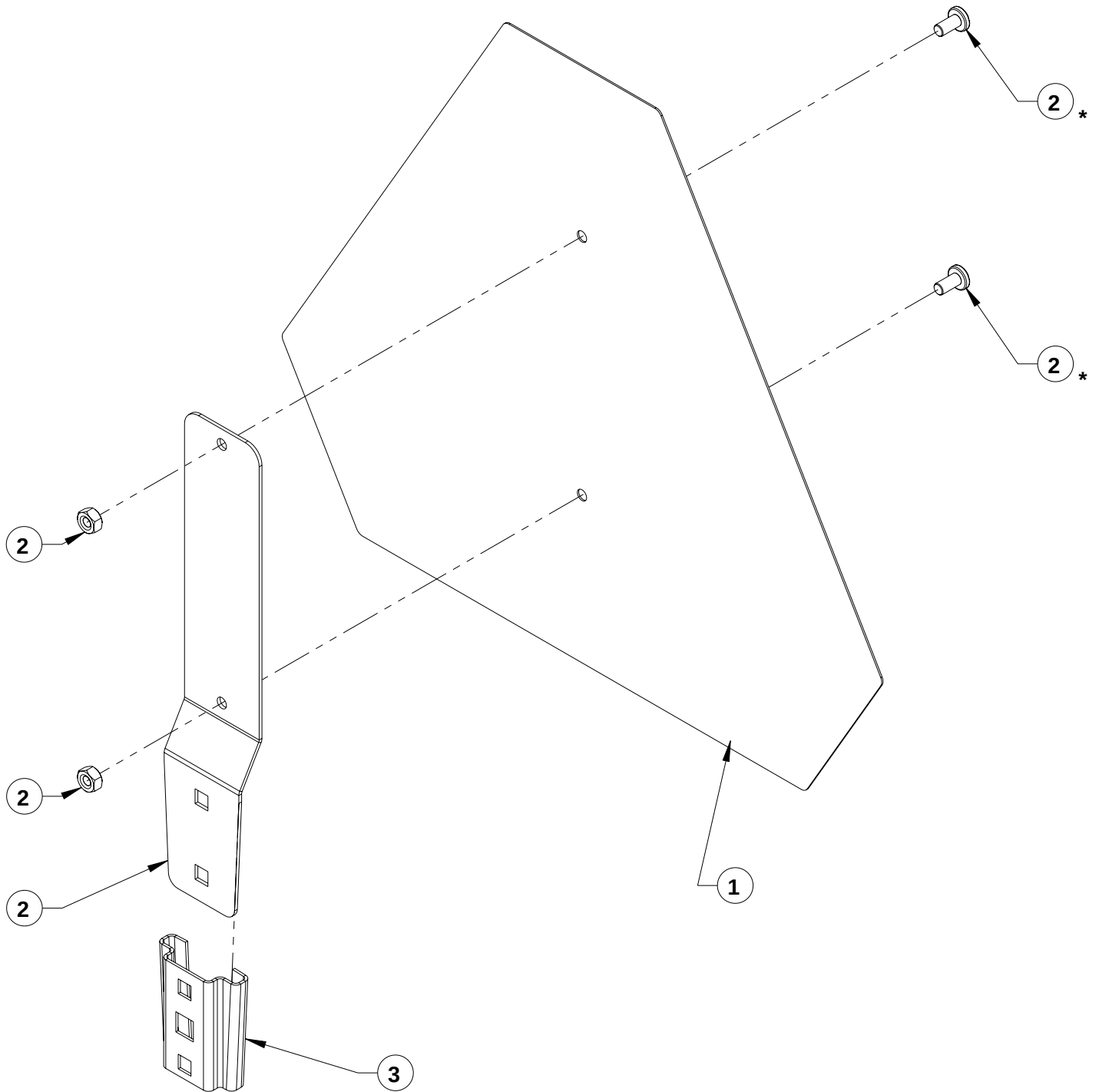
TA00758 Assy, Fert Manifold-RWing RU21-24

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051543	Hose Barb 3/4" MPT x 3/8" HB	2	
2	T0051557	Nipple 3/4" Short	2	
3	T0051558	Tee 3/4" Threaded	3	
4	T0051641	3/4" MPT x 3/8" HB Elbow	2	
5	T0051643	3/4" MPT x 3/4" HB SCH. 40	1	



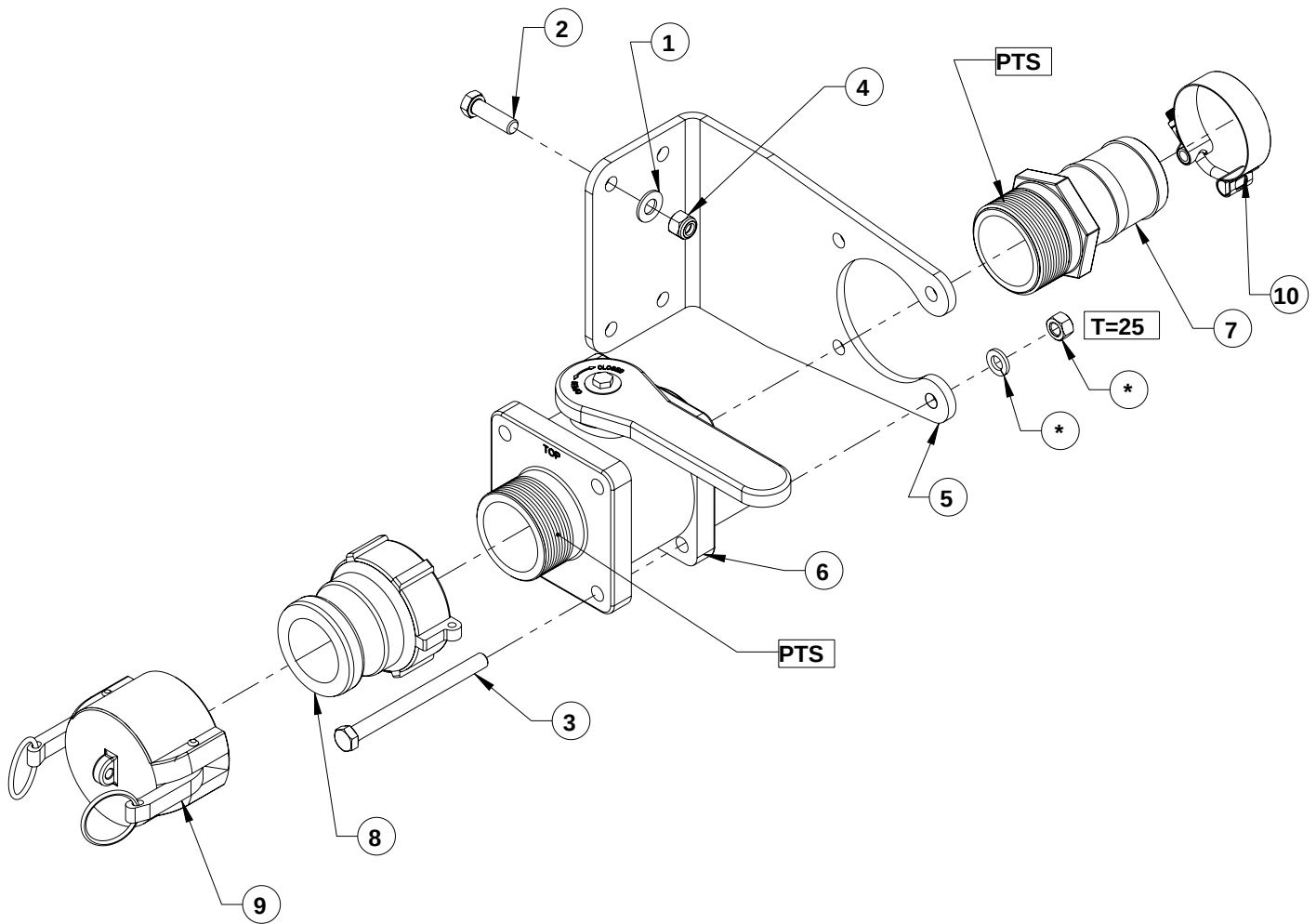
TA00623 TM 24-22 Ladder Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375-SS	FW-SAE-0.375-SS	12	
2	FW-SAE-0.625-YZ	FW-SAE-0.625	24	
3	HBolt-0.2500-20x0.750-YZ8	HBolt-0.2500-20x0.750-YZ8	2	
4	HBolt-0.3125-18x0.750-YZ8	HBOLT 0.313-18x0.750-YZ8	2	
5	HBolt-0.6250-11x5.000-YZ8	HBolt-0.6250-11x5.000-YZ8	4	
6	HBolt-0.6250-11x1.750-YZ8	HBolt-0.6250-11x1.750-YZ8	4	
7	HNut-0.3750-16-SS	HNut-0.3750-16-SS	6	
8	NLNut-0.2500-20-YZ8	NLNut-0.2500-20-YZ8	2	
9	NLNut-0.3125-18-YZ8	NLNut-0.3125-18-YZ8	2	
10	NLNut-0.3750-16-SS	NLNut-0.3750-16-SS	6	
11	NLNut-0.6250-11-YZ8	NLNut-0.6250-11-YZ8	20	
12	T0050854	Anti Rotation Insert	4	
13	T0051486	Latch Spring	1	
14	T0051589	Decal, Warning - Chemical Hazard	1	
15	T0051596	Decal, Warning - Ladder Lowering	1	
16	T0051729	Decal, Reflector, Yellow-2x9	2	
17	TA00678	Assy, SMV Sign	1	
18	TA00693	Assy, Liquid Fert Mount	1	
19	TW000623	TM 24-22 Ladder Weldment	1	
20	TW000656	Platform Support	1	
21	TW000668	Lower Ladder Weldment	1	
22	UBolt 0.625x4.688x3-YZ8	UBolt 0.625x4.688x3-YZ8	6	
23	UBolt-0.3750x3.00x3.63-RB-SS	UBolt-0.3750x3.00x3.63-RB-SS	3	

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



TA00678 Assy, SMV Sign					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA00670	86547710	Assy, SMV Plate w Decal	1	
2	TA00671	311861A1	Assy, SMV Spade Mount	1	
3	T0051519		Receptacle, Female Spade SMV Sign	1	

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



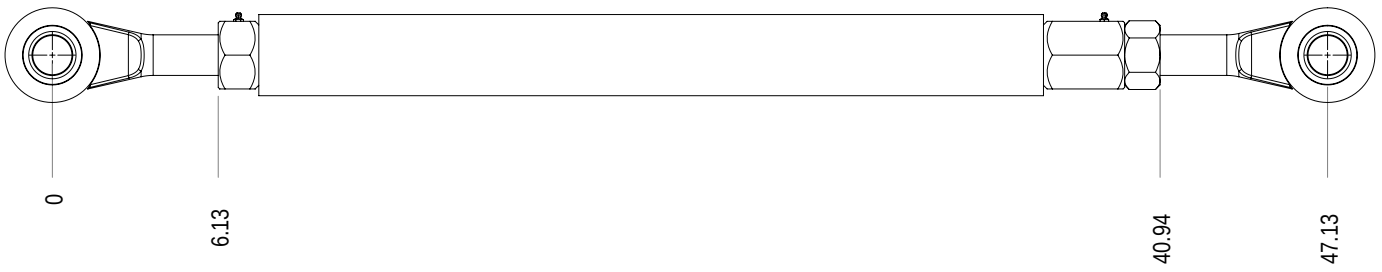
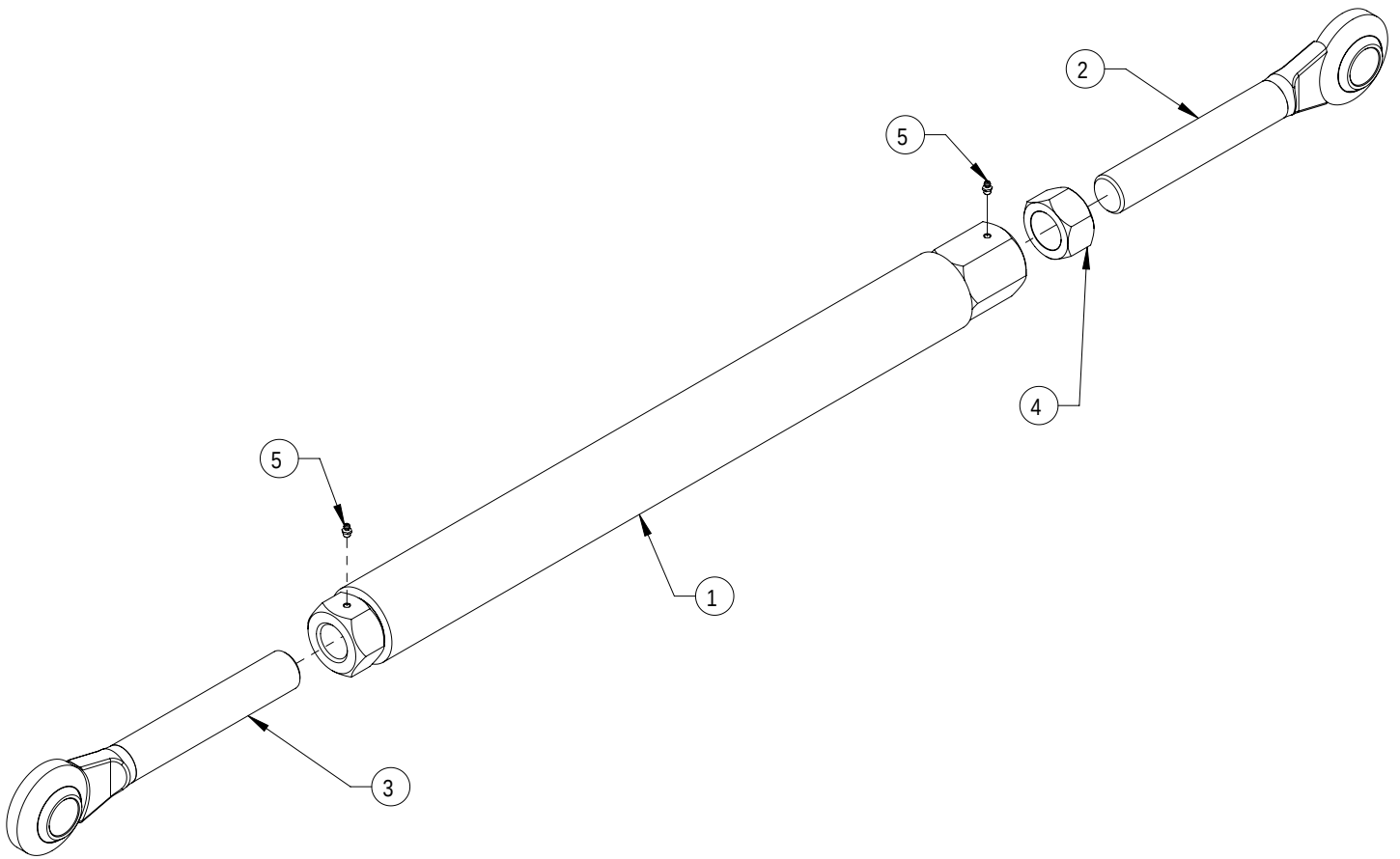
TA00693 Assy, Liquid Fert Mount				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	4	
2	HBolt-0.3750-16x1.250-YZ8	HBolt-0.3750-16x1.250-YZ8	4	
3	HBolt-0.3750-16x4.500-SS	HBolt-0.3750-16x4.500-SS	4	
4	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	4	
5	T0050611	Liquid Fertilizer 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:

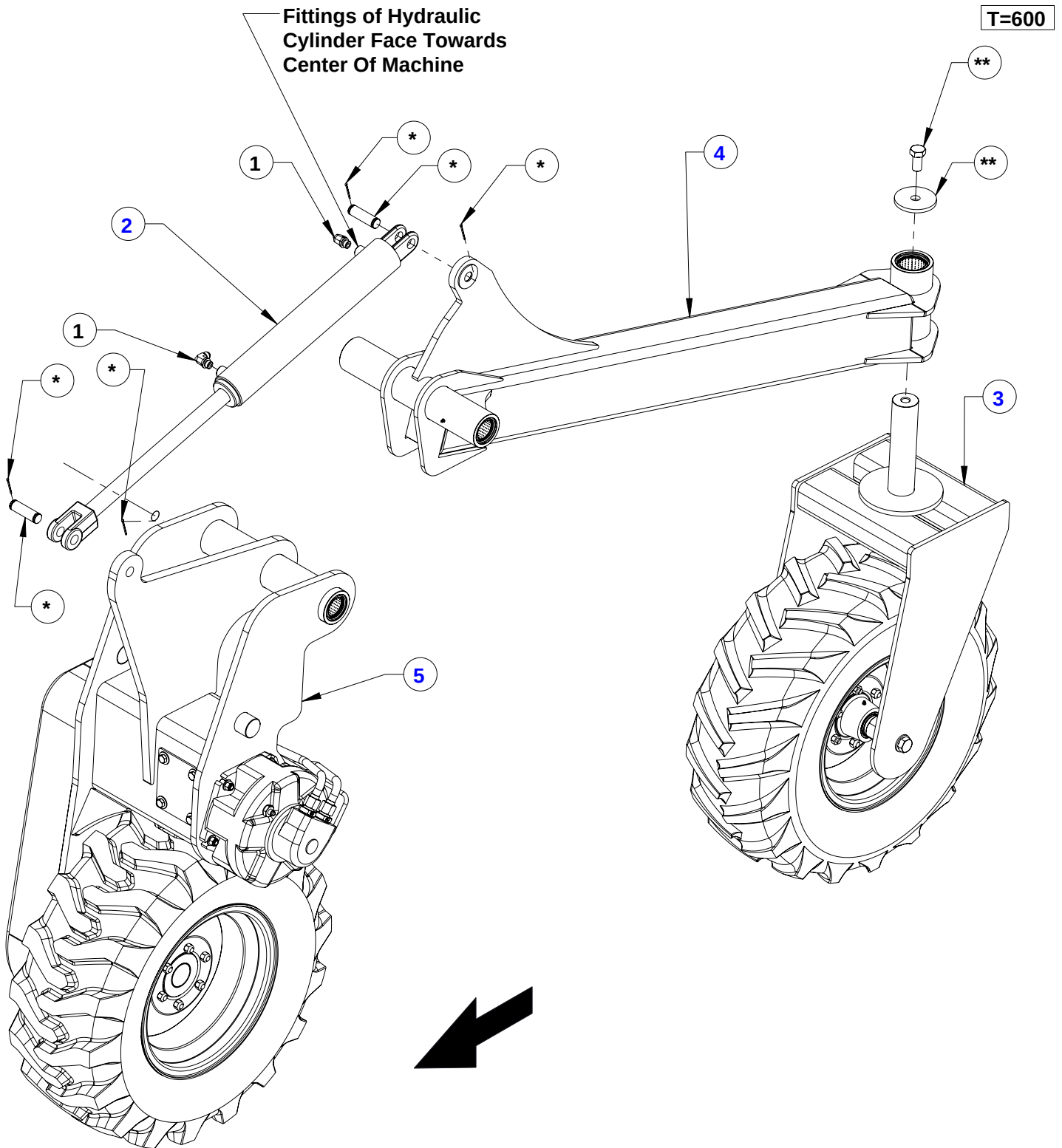
T = Torque Expressed in-lbs

PTS= Apply Pipe Thread Sealant, use Rectorseal #21 or equivalent.

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

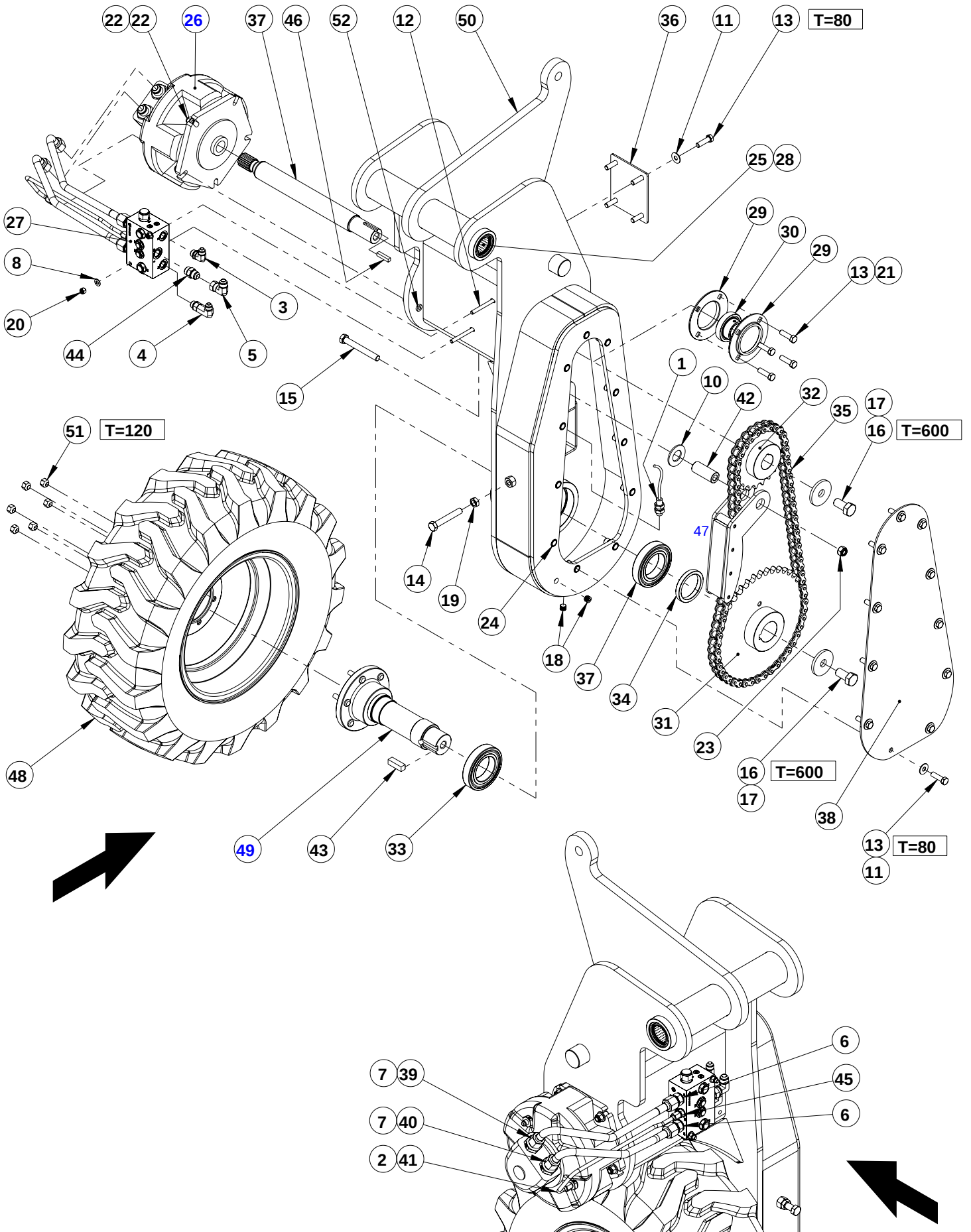


TA00613 Upper Link Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW000618	Upper Link Weldment	1	
2	T0051213	RH End Link	1	
3	T0051214	LH End Link	1	
4	HNut-1.5000-6-YZ8	HNut-1.5000-6-YZ8	1	
5	Zerk-0.2500-28	Zerk-0.2500-28	2	



TA00621 Wing Wheel Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	ADAPTER 08MJ-08MB 90	ADAPTER 08MJ-08MB 90	2	
2	TA00622	Cylinder-Hyd 3.00X18.375 Reph	1	
3	TA00649	Assy, Caster Wheel	1	
4	TA00650	Assy, Wing Wheel - Rear	1	
5	TA00923	Assy, Front Wing Wheel Drive	1	

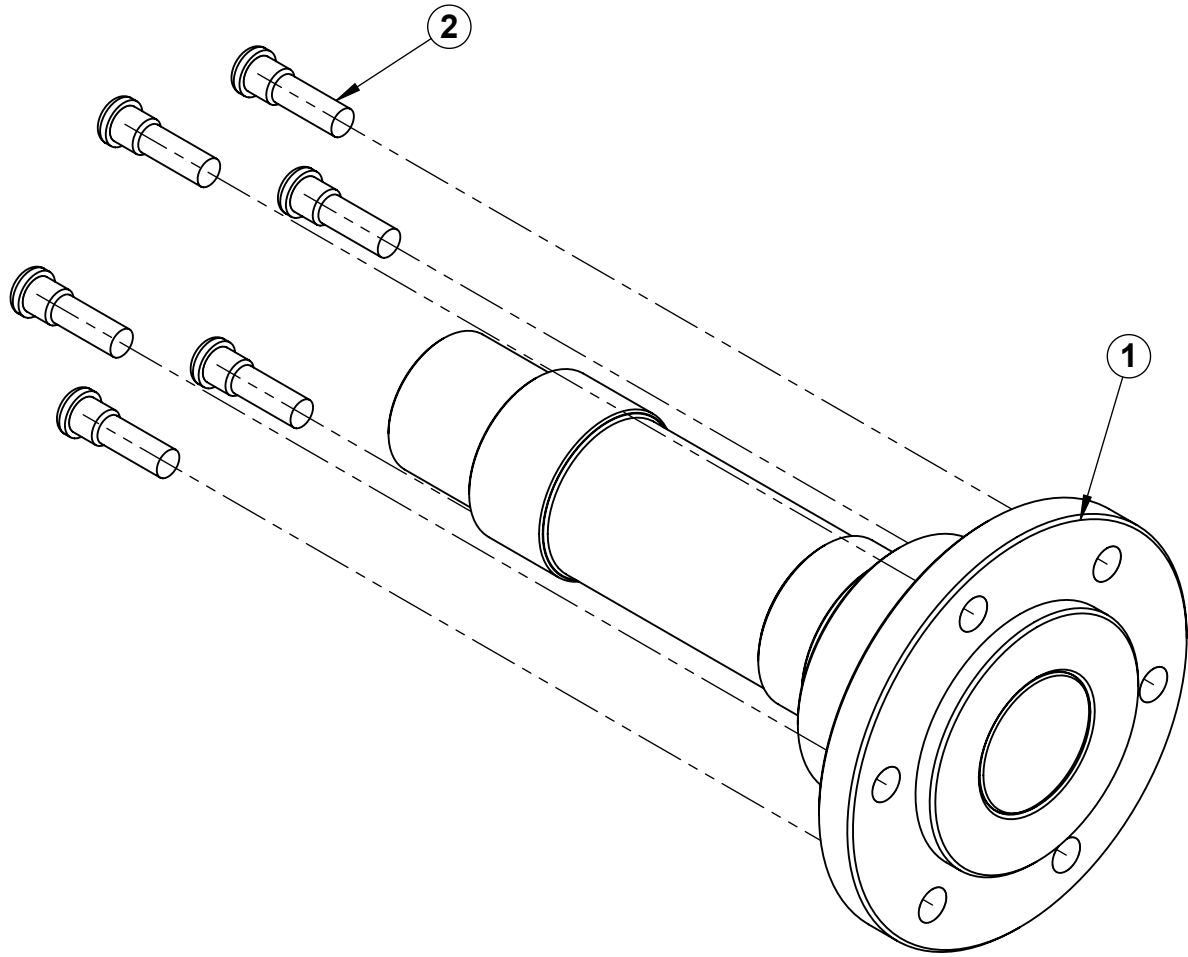
Note:**T = Torque Expressed in ft-lbs***** Are parts that are included in assembly # TA00622****** Are parts that are included in assembly # TA00649*******Illustration shown is as a left assembly**



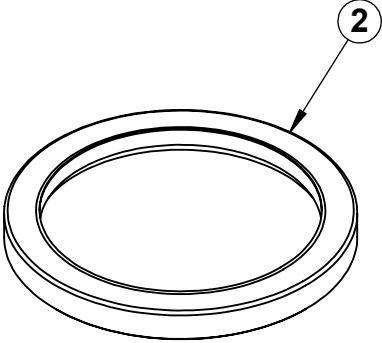
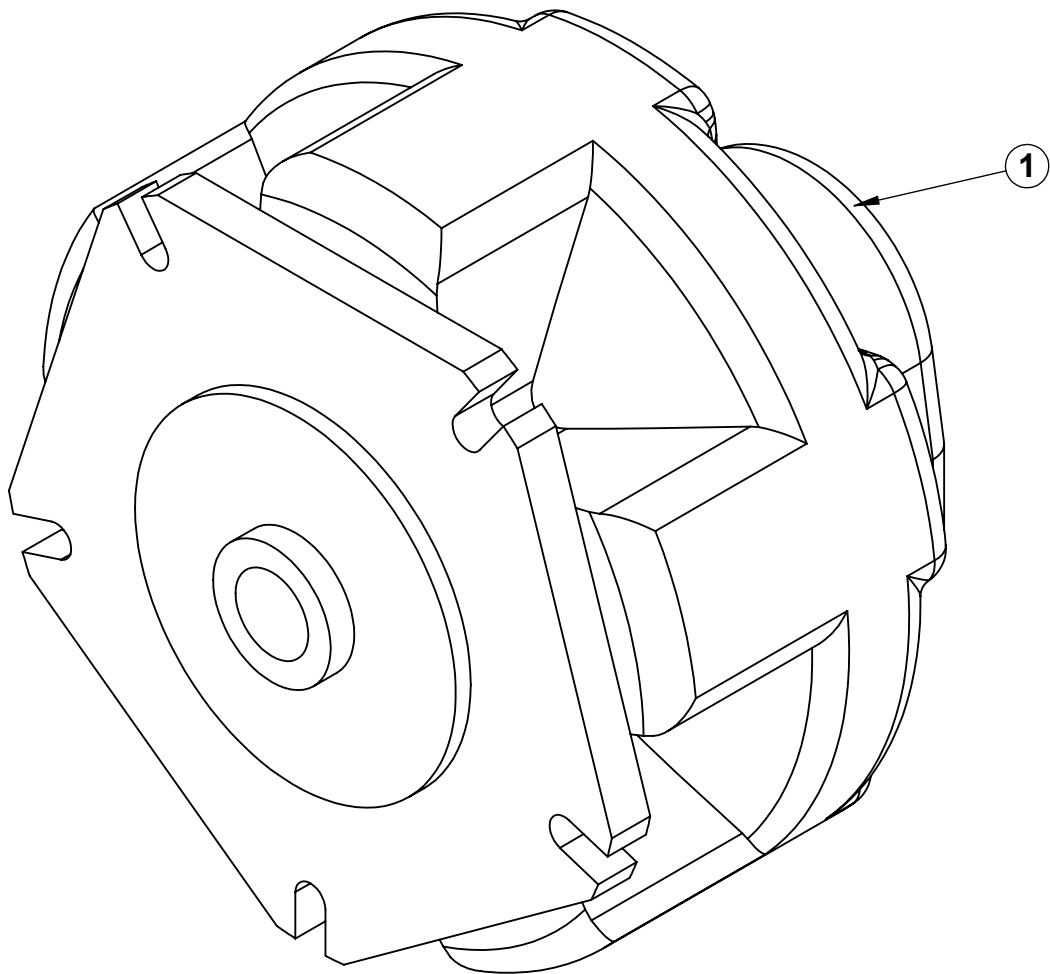
TA00923 Assembly, Front Wing Wheel Drive				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	324049A1	Sensor, Hall Effect Zero Speed	1	
2	ADAPTER 06MJ-08BSPP	ADAPTER 06MJ-08BSPP	2	
3	ADAPTER 08MJ-08MB 90	ADAPTER 08MJ-08MB 90	1	
4	ADAPTER 08MJ-08MB 90LL	ADAPTER 08MJ-08MB 90LL	1	
5	ADAPTER 10MJ-10FJX 90	ADAPTER 10MJ-10FJX 90	1	
6	ADAPTER 12MJ-08MB	ADAPTER 12MJ-08MB	2	
7	ADAPTER 12MJ-16BSPP	ADAPTER 12MJ-16BSPP	2	
8	FW-SAE-0.375-YZ	Washer, Flat SAE 3/8" YZ	2	
9	FW-SAE-0.500-YZ	Washer, Flat SAE - 1/2-YZ	5	
10	FW-SAE-1.250-YZ	Washer, Flat-SAE-1-1/4-YZ	1	
11	FW-USS-0.438-YZ	Washer, Flat-USS 7/16-YZ	18	
12	HBolt-0.3750-16x3.750-YZ8	Bolt, Hex Head-3/8-16x3.75-YZ8	2	
13	HBolt-0.5000-13x1.750-YZ8	Bolt, Hex Head-1/2-13x1-3/4-YZ8	22	80
14	HBolt-0.6250-11x4.000-FT-YZ8	HBolt-0.6250-11x4.000-FT-YZ8	1	
15	HBolt-0.6250-11x5.000-YZ8	Bolt, Hex Head-5/8-11x5.0-YZ8	1	
16	HBolt-0.8750-9x1.750-YZ8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	600
17	HD Washer 0.89 x 3.00	HD Washer 0.89 x 3.00	2	
18	HScktPlug 0.3750-18 NPTF CZ	Plug, Hex Socket 3/8-18 NPTF CZ	2	
19	JNut-0.6250-11-YZ8	Nut, Jam-5/8-11-YZ8	1	
20	NLNut-0.3750-16-YZ8	Nut, Nylock 3/8-16 YZ8	2	
21	NLNut-0.5000-13-YZ8	Nut, Nylock-1/2"-13-YZ8	4	
22	NLNut-0.5000-20-YZ8	NLNut-0.5000-20-YZ8	5	
23	NLNut-0.6250-11-YZ8	Nut, Nylock-5/8-11-YZ8	1	
24	RivNut-0.5000-13-.350-.500	Rivnut, 1/2-13 UNC .350-.500 GR	18	
25	T0050953	Stl Backed Brz Bearing 2.0 ID	2	
26	T0051060	GM2 Hydraulic Wheel Motor	1	
27	T0051136	Valve Assy, Wing Wheel Drive	1	
28	T0051585	2.00 Grease Seal	2	
29	T0052023	Housing, Stamped Bearing	2	
30	T0052037	1.75" Bearing	1	
31	T0052041	42 Tooth 80 Chain Sprocket	1	
32	T0052042	23 Tooth 80 Chain Sprocket	1	
33	T0052055	75 mm Axle Bearing	2	
34	T0052056	Spacer	1	
35	T0052061	Wing Drive Chain #80 78P	1	
36	T0052066	Cover, Plate	1	
37	T0052067	Shaft-Wing Wheel Drive	1	
38	T0052069	Cover, Chaincase	1	
39	T0052070	Tube Assy - Wing Wheel	1	
40	T0052071	Tube Assy - Wing Wheel	1	
41	T0052076	Tube Assy - Wing Motor Flush	1	
42	T0052084	Bushing, Tensioner Pivot	1	
43	T0052301	KEY-.625 X 2.000 ZP	1	
44	T0052370	ADAPTER 10MJ-10MB W/ORF CHK	1	
45	T0052371	ADAPTER 06MJ-06MB W/ORF	1	
46	T0052391	KEY-.375 X 1.75 ZP	1	
47	TA00768	Tensioner, Wheel Drive	1	
48	TA00819	12-16.5 Wheel & Tire Assy	1	
49	TA00921	Hub Assy	1	
50	TW000734	Front Wing Wheel Weldment	1	
51	WHNUT 0.500-20-ZP	NUT-WHEEL .500 NF	6	120
52	WhStud 0.5000-20x2.344-YZ	Stud, Wheel 1/2-20 Knurled	5	
53	Zerk-0.2500-28	Zerk, 1/4-28	1	

Note:

T = Torque Expressed in ft-lbs



TA00921 Hub Assy			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	TW000844	Axle, Wing Wheel 6-Bolt (2013)	1
2	WS-0.500-20X1.88C5	Wheel Stud, 1/2-20x1-7/8 CZ5	6

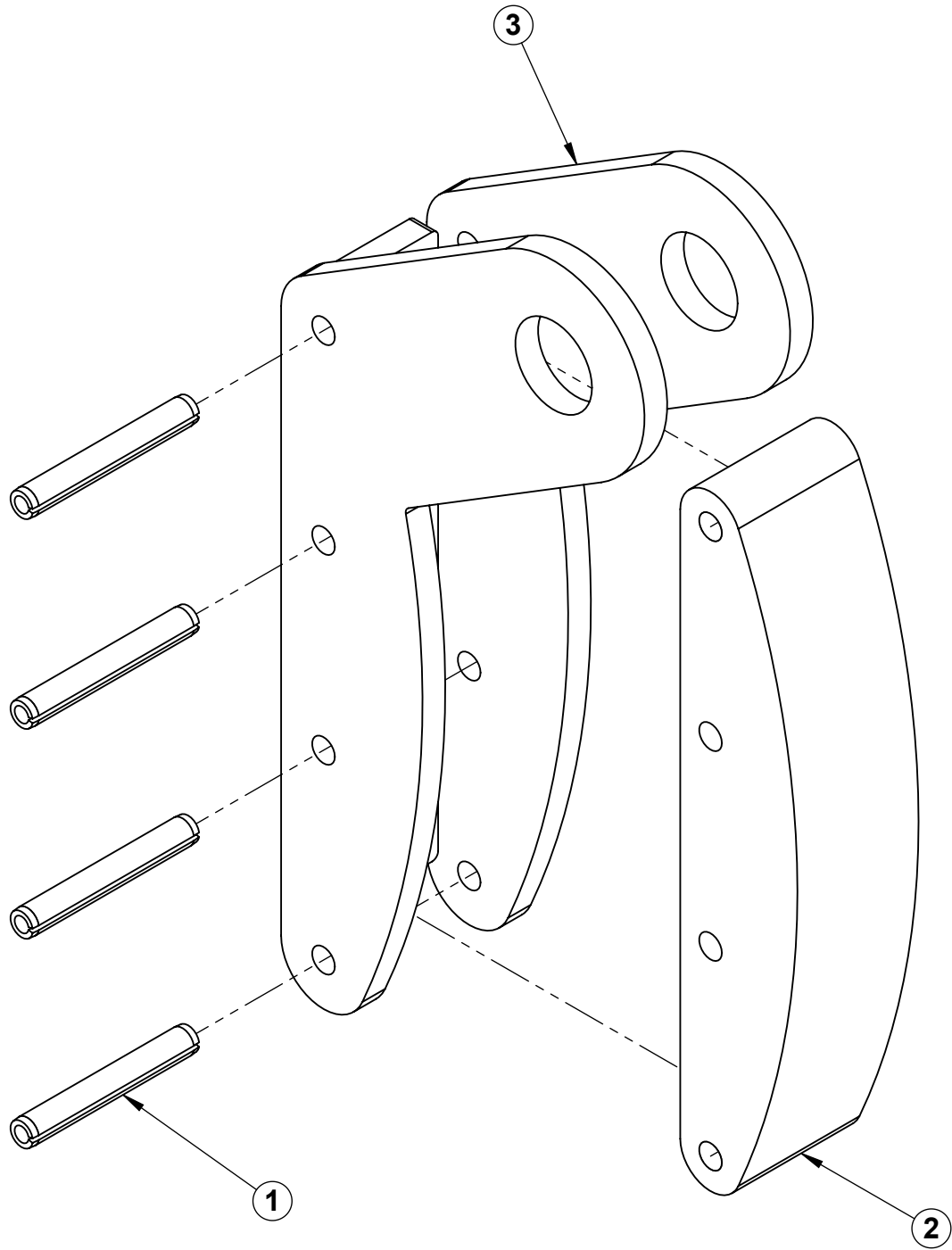


T0051060 GM2 Hydraulic Wheel Motor

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051060	GM2 Hydraulic Wheel Motor	1	

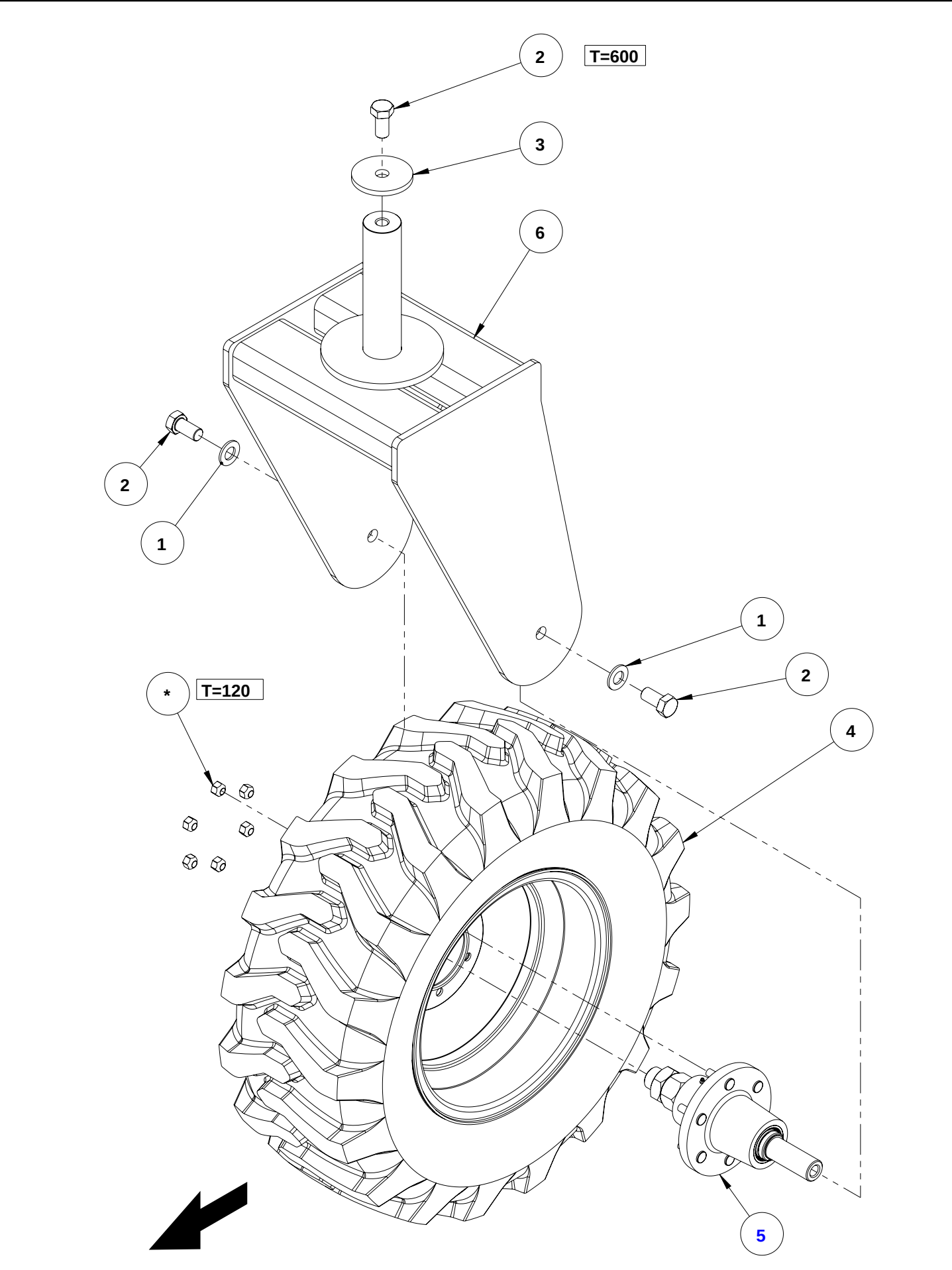
T0051060 GM2 Hydraulic Wheel Motor

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0056407	Seal Kit, Full GM2	1	
2	T0053206	Shaft Seal, GM2 Motor	1	



TA00768 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	TW000735	Tensioner Weldment	1	



TA00649 Assy, Caster Wheel

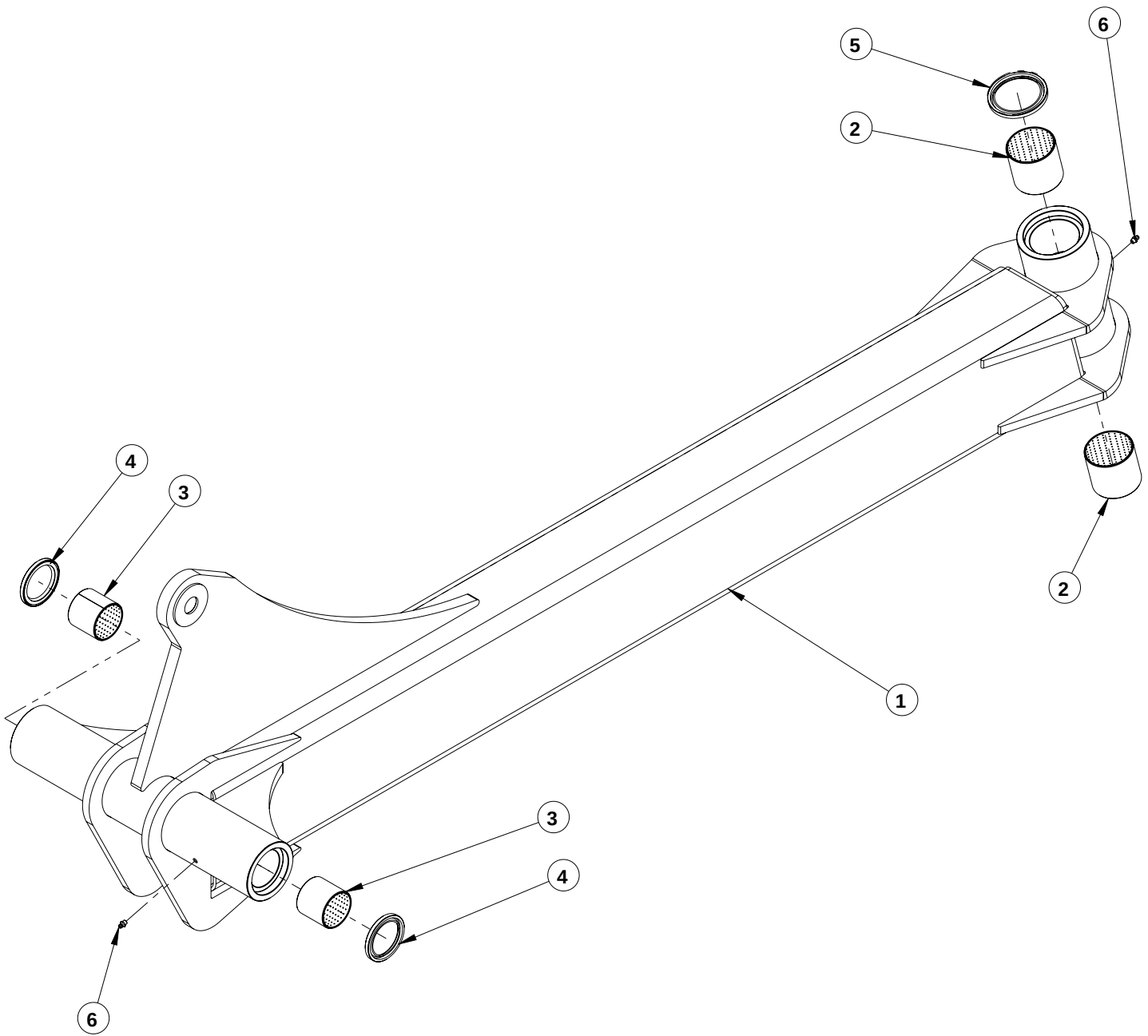
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.875-YZ	FW-SAE-0.875-YZ	2	
2	HBolt-0.8750-9x1.750-YZ8	HBolt-0.8750-9x1.750-YZ8	3	600
3	HD Washer 0.89 x 4.00	HD Washer .875 x 4.0	1	
4	TA00819	12-16.5 Wheel & Tire Assy	1	
5	TA00660	Assy, Wheel-Rear Wing Wheel	1	
6	TW000569	Caster Weldment	1	

Note:

TL = Apply Threadlocker Loctite 242 or Equivalent

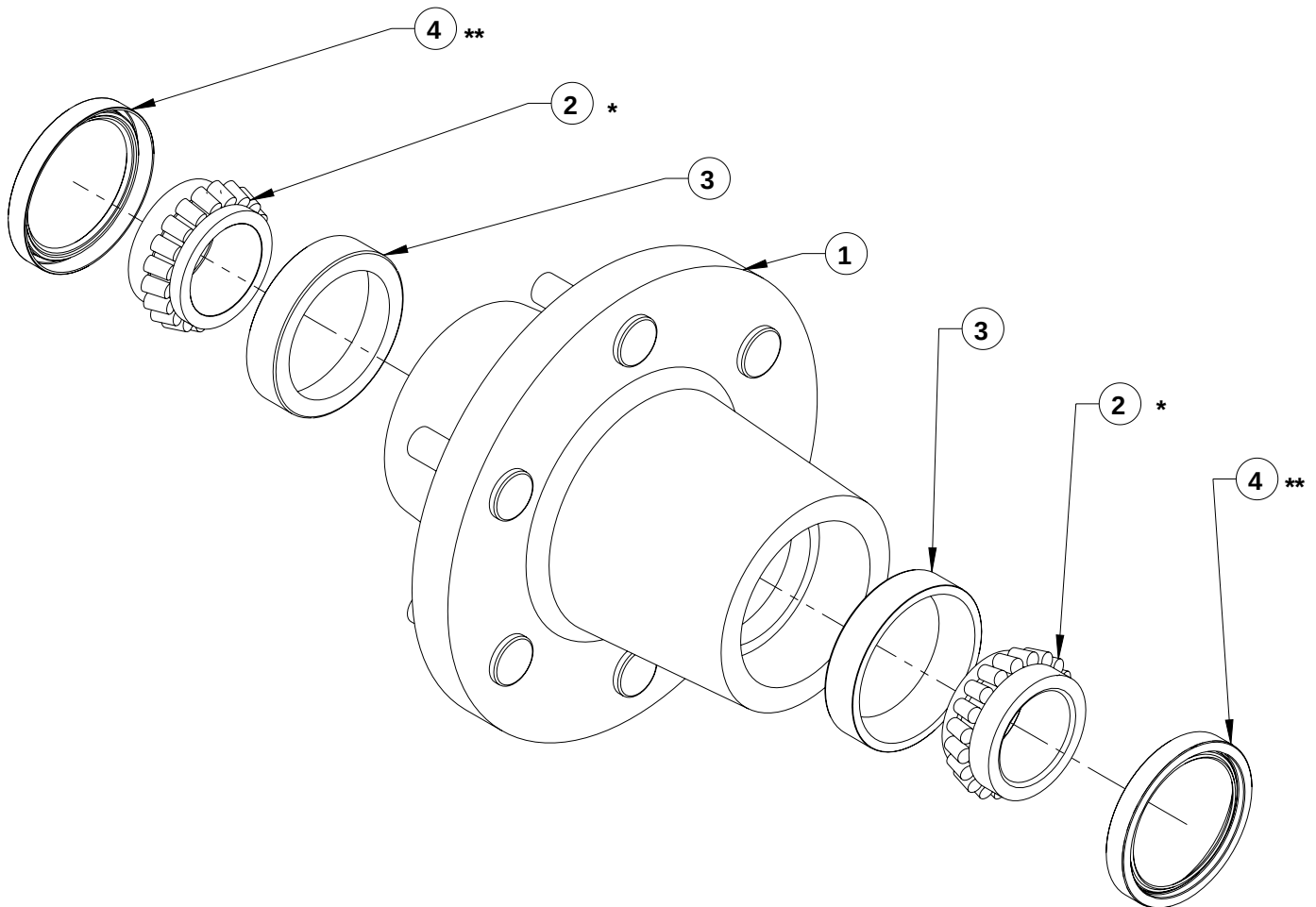
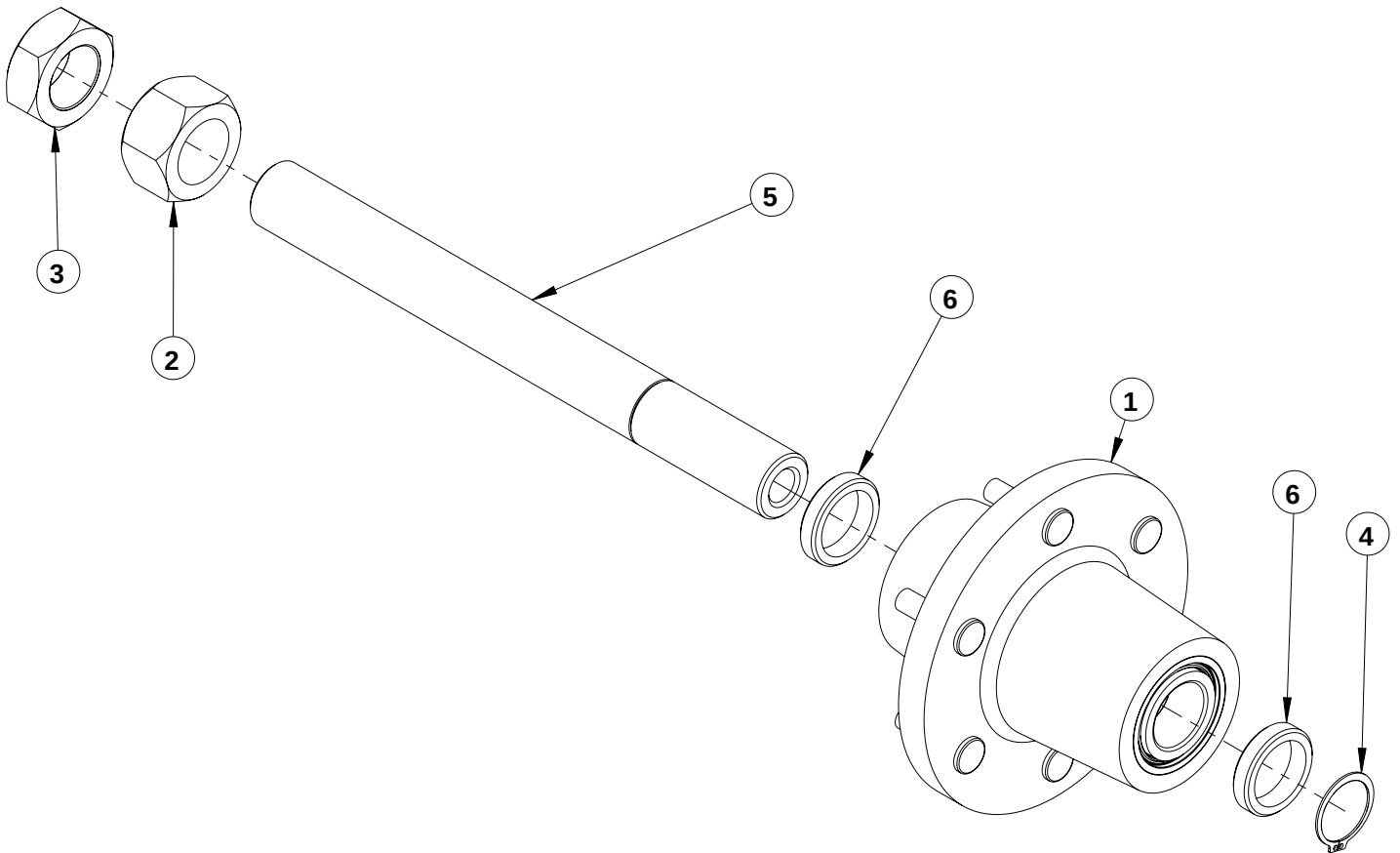
T = Torque Expressed in ft-lbs

* Nuts are supplied with TA00660



TA00650 Assy, Wing Wheel - Rear

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW000620	Rear Caster Wheel Frame	1	
2	T0050952	Steel Backed Bronze Bearing 2.5 ID	2	
3	T0050953	Steel Backed Bronze Bearing 2.0 ID	2	
4	T0051585	2.00 Grease Seal	2	
5	T0051584	2.50 Grease Seal	1	
6	Zerk-0.2500-28	Zerk-0.2500-28	2	



TA00660 Assy, Wheel-Rear Wing Wheel

ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (FT-LBS)
1	TA00736		ASSY, HUB-6-BOLT STRADDLE W BEARINGS	1	
2	HNUT-1.5000-12-YZ8		HNUT-1.5000-12-YZ8	1	
3	JNUT-1.5000-12-YZ8		JNUT-1.5000-12-YZ8	1	
4	SRING-EXT-1.500	86632531	SRING-EXT-1.500	1	
5	T0050915		AXLE - REAR WING WHEEL	1	
6	T0051295	87504574	SPACER - BEARING 1.50 ID	2	

TA00736 Assy, Hub-6-Bolt Straddle w Bearings

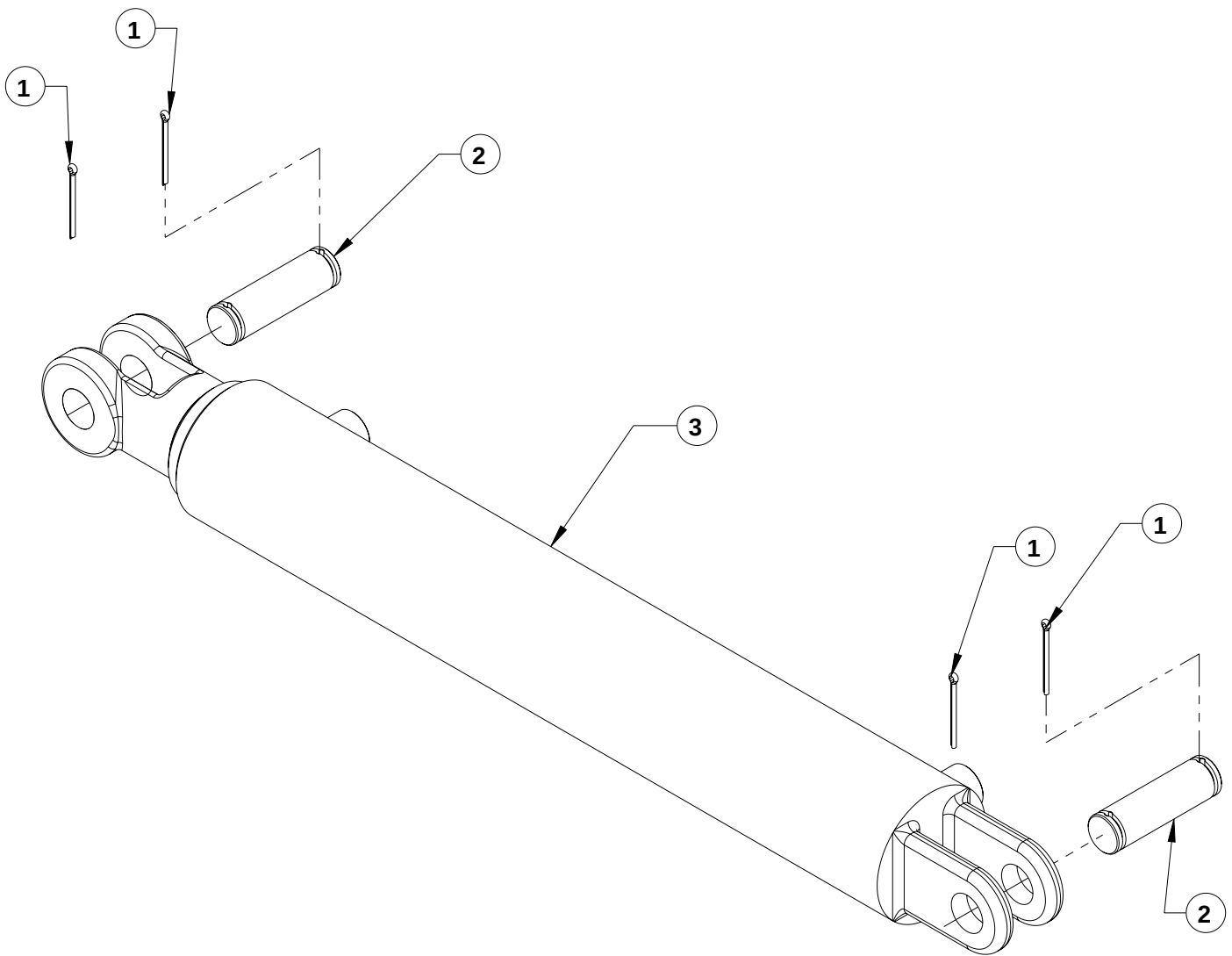
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY.
1	T0051250	87505491	ASSY, HUB 6-BOLT STRADDLE	1
2	T0051908	72012	BEARING, TAPERED ROLLER Ø1.5	2
3	T0051909	72062	RACE, TAPERED ROLLER Ø1.50	2
4	T0051910	36060	SEAL, SHAFT, Ø2.75	2

* Use Case IH AkcelA Multi-Purpose Grease 251H EP or equivalent.

** Lubricate the seals with petroleum jelly.

Use P/N 87298944 251H EP Multi-Purpose Grease 35 Lbs (15.9 L)

Or, 132096A1 251H EP Multi-Purpose Grease 14 OZ Tube.

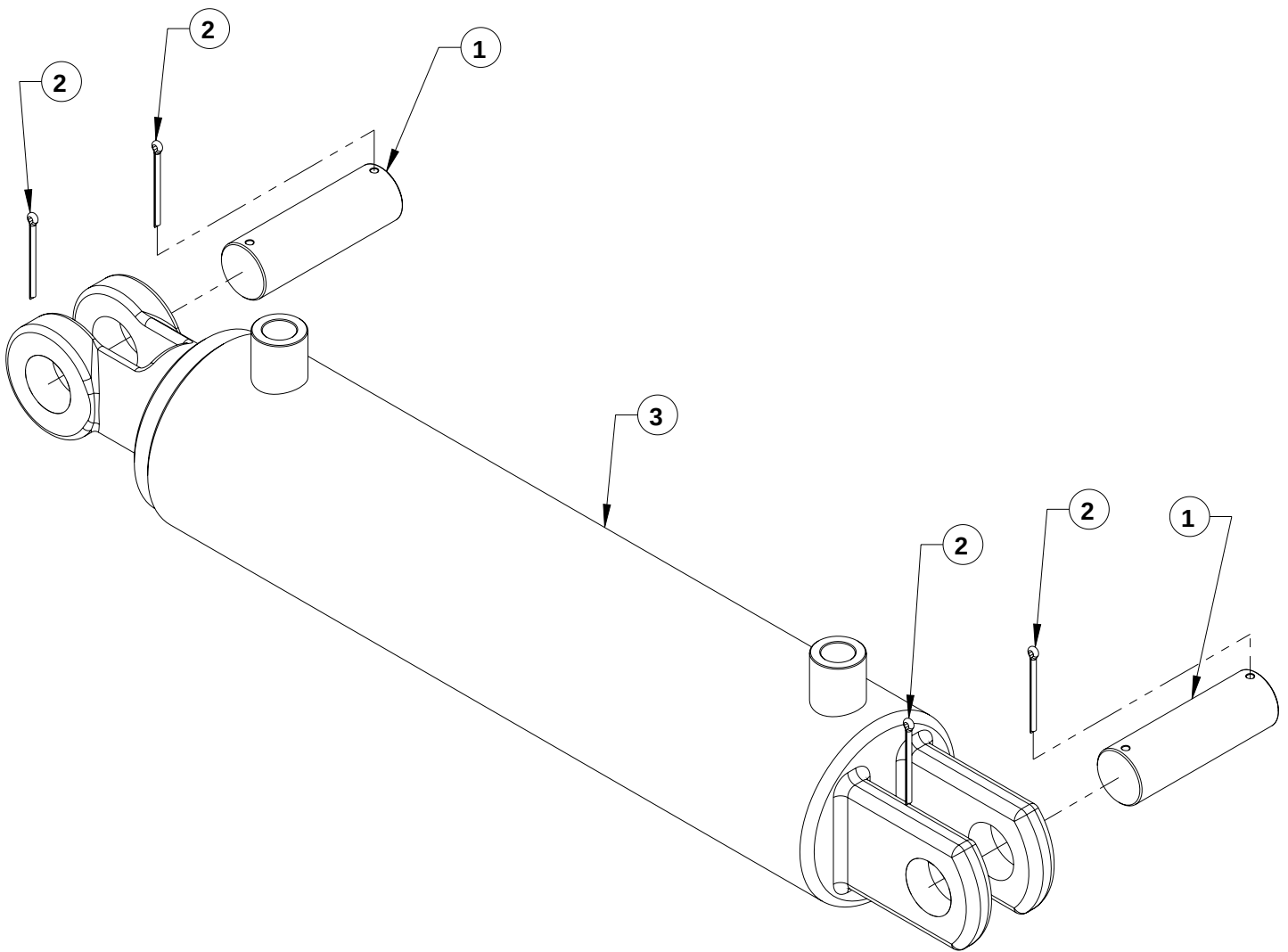


TA00622 Cylinder-Hyd 3.00X18.375 Reph

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	CotterPin-.1250X1.750	COTTER PIN, 1/8 X 1, SST	4	
2	Pin-1.0000x3.375-CZ	Pin-1.0000x3.375-CZ	2	
3	TA00622	Cylinder-Hyd 3.00X18.375 Reph	1	

Cylinder Seal Kit

ITEM	PART NUMBER	DESCRIPTION
4	T0051763	Seal Kit - Cyl TA00622

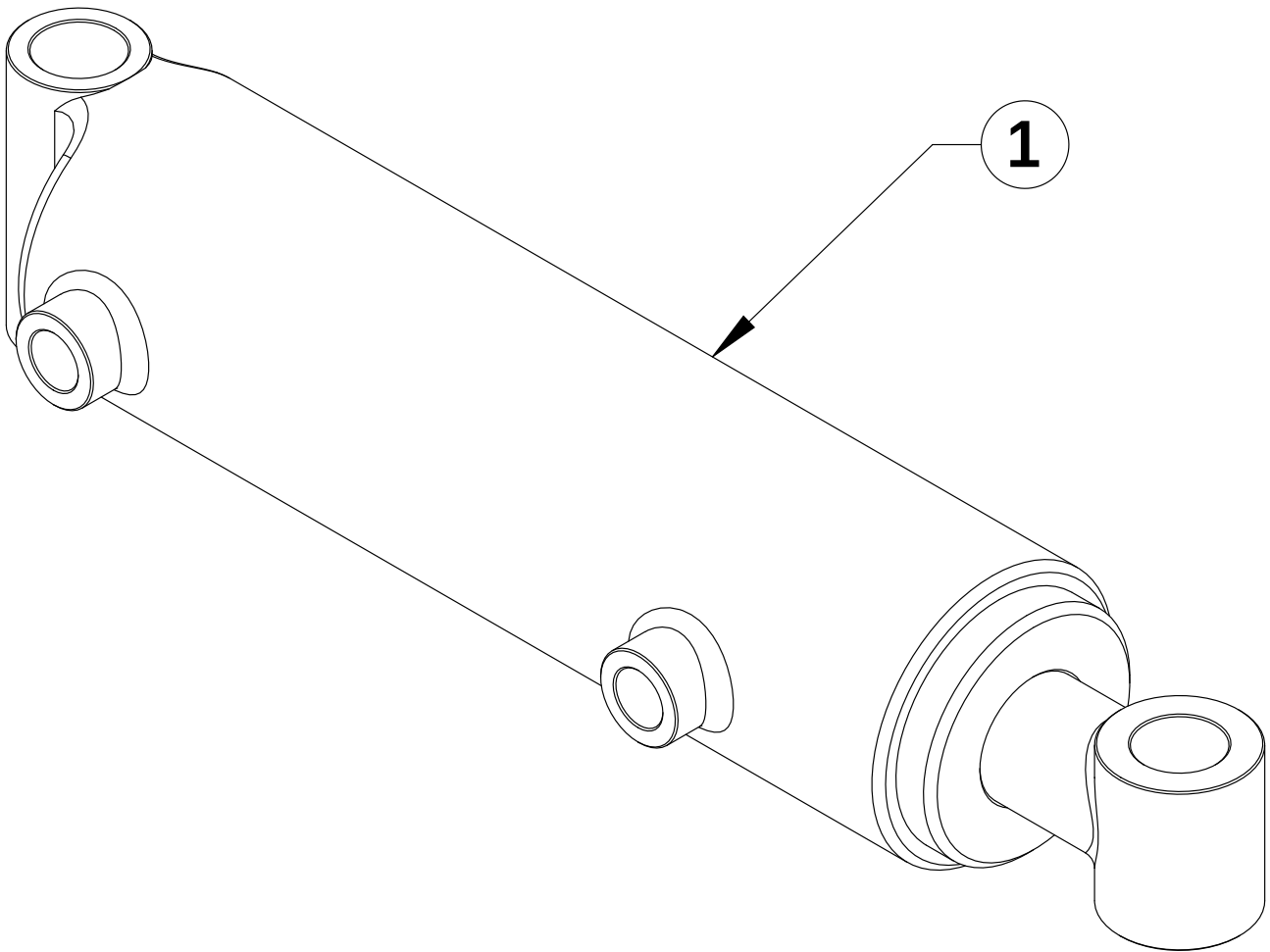


TA00545 Cylinder-Hyd 3.75X14.00 Reph

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	PIN-1.2500X3.875-CZ	PIN-1.2500X3.875-CZ	2
2	COTTERPIN-.1250X1.750	COTTER PIN, 1/8 X 1, SST	4
3	TA00545	CYLINDER-HYD 3.75X14.00 REPH	1

Cylinder Seal Kit

ITEM	PART NUMBER	DESCRIPTION
4	T0051764	Seal Kit - Cyl TA00545

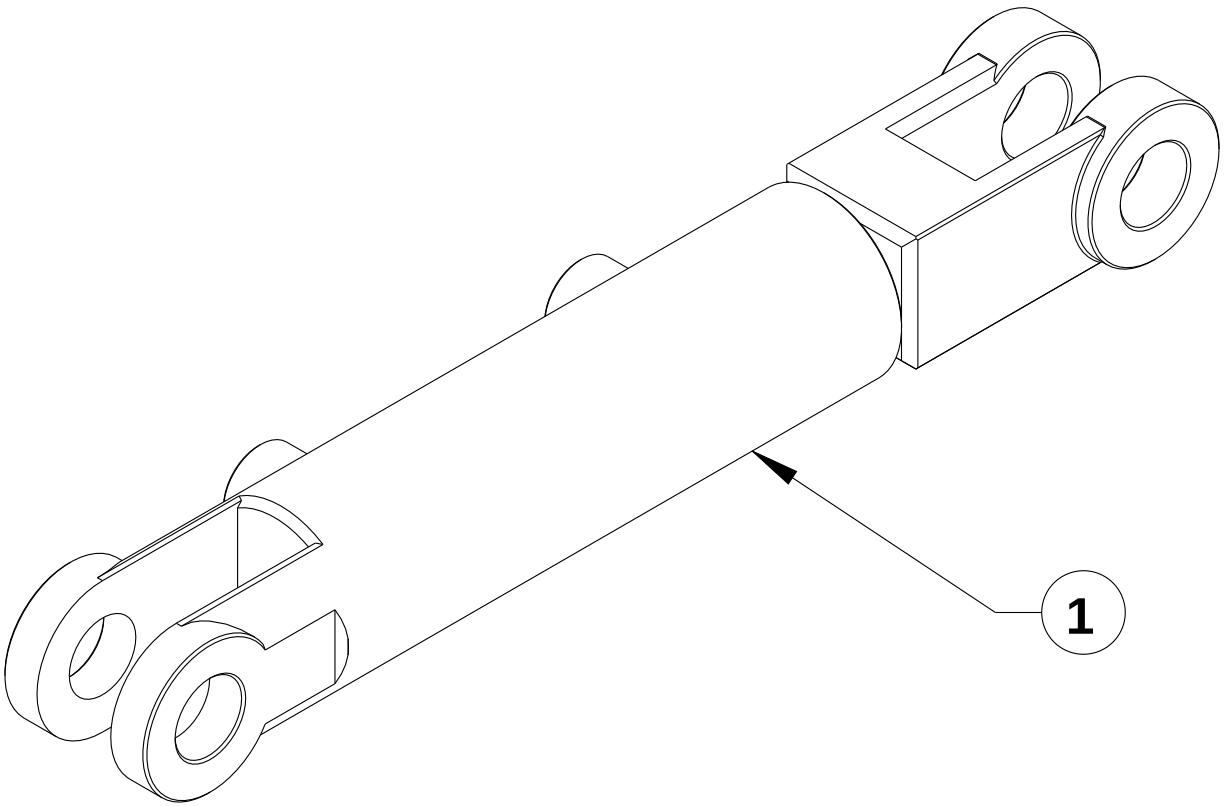


TA00597 Cylinder-Hyd 3.00X8.00

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	TA00597	Cylinder-Hyd 3.00X8.00	1

Cylinder Seal Kits

ITEM	PART NUMBER	DESCRIPTION
1	T0051765	Seal Kit - Cyl TA00597



TA00632 Cylinder-Hyd 2.00X4.00

ITEM	PART NUMBER	DESCRIPTION	QTY
1	TA00632	Cylinder-Hyd 2.00X4.00	1

Cylinder Seal Kits

ITEM	PART NUMBER	DESCRIPTION
1	T0051766	Seal Kit - Cyl TA00632

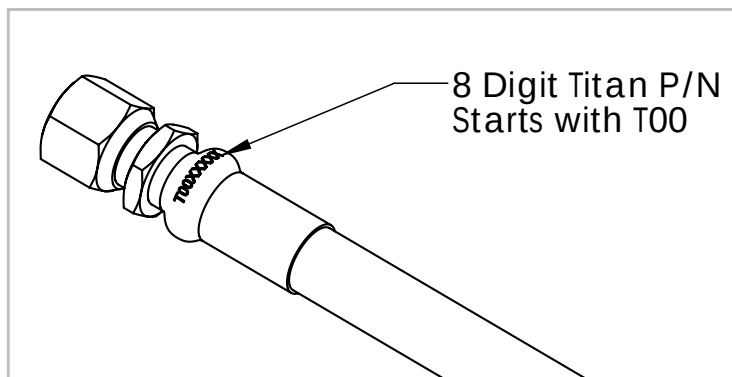
Hydraulic Hose

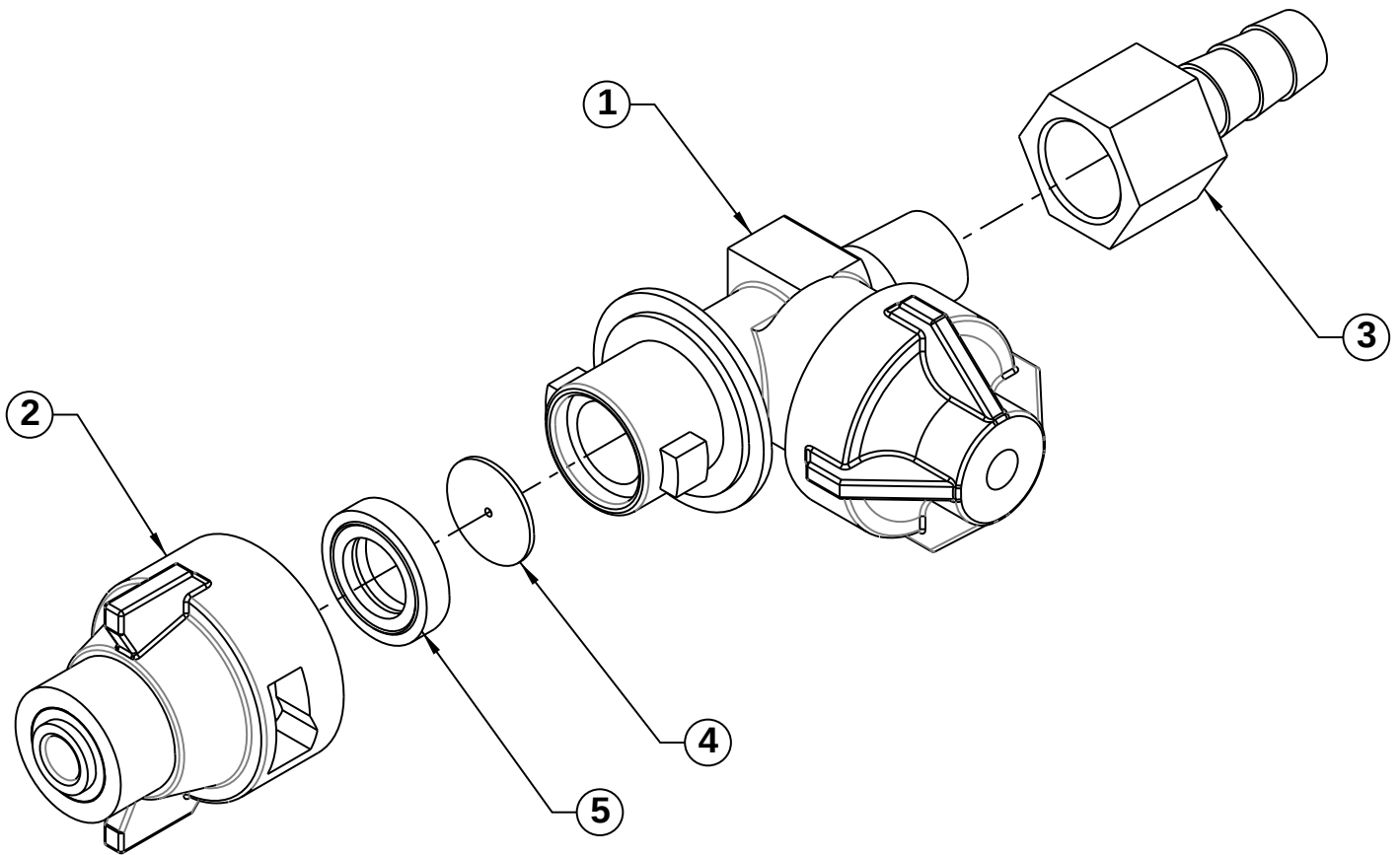
P/N	Description	Location	Position 1 Port		Position 2 Port	
T0051405	Hose 0.38-034-08FJX-08FJX	Center Toolbar	L&F Valve	LCW	LH Master Cyl	Base
T0051405	Hose 0.38-034-08FJX-08FJX	Center Toolbar	L&F Valve	RCW	RH Master Cyl	Base
T0051409	Hose 0.38-050-08FJX-08FJX	Center Toolbar	L&F Valve	LCWX	LH Master Cyl	Rod
T0051409	Hose 0.38-050-08FJX-08FJX	Center Toolbar	L&F Valve	RCWX	RH Master Cyl	Rod
T0051399	Hose 0.25-266-08FJX-08FJX	Front Frame	L&F Valve	HL	Hitch Latch Cyl	Base
T0051399	Hose 0.25-266-08FJX-08FJX	Front Frame	L&F Valve (Tee)	LWF	Hitch Latch Cyl	Rod
T0051422	Hose 0.38-229-08FJX-08FJX	Front Frame	L&F Valve	CL	Cradle Lift (Tee)	Base
T0051422	Hose 0.38-229-08FJX-08FJX	Front Frame	L&F Valve	CLX	Cradle Lift (Tee)	Rod
T0051421	Hose 0.38-232-08FJX-06FJX	Front Frame	BF Fan (Crary)	CD	Case Drain Cross (LH)	
T0051428	Hose 0.50-224-08FJX-08MJ	Front Frame	BF Valve	P1	BF Supply Connecn	--
T0051429	Hose 0.50-248-10FJX-10FJX	Front Frame	BF Valve	T1	LH Multi-Valve (Tee)	T
T0051401	Hose 0.38-018-08FJX-08FJX90	Front Frame	Cradle Lift (Tee)	Base	Rear Cradle Lift Cyl	Base
T0051402	Hose 0.38-021-06FJX-06FJX	Front Frame	BF Valve	PBY	Fert Valve	P
T0051402	Hose 0.38-021-06FJX-06FJX	Front Frame	Fert Valve	M	Fert Motor	B
T0051403	Hose 0.38-022-08FJX-08FJX	Front Frame	Cradle Lift (Tee)	Rod	Rear Cradle Lift Cyl	Rod
T0051404	Hose 0.38-025-06FJX-06FJX	Front Frame	BF Valve	T2	Fert Motor	A
T0051406	Hose 0.38-035-08FJX-08FJX45	Front Frame	Cradle Lift (Tee)	Base	Front Cradle Lift Cyl	Base
T0051408	Hose 0.38-041-08FJX-08FJX45	Front Frame	Cradle Lift (Tee)	Rod	Front Cradle Lift Cyl	Rod
T0051425	Hose 0.50-022-08FJX-08FJX90	Front Frame	BF Valve	B2	BF Fan (Crary)	In
T0051426	Hose 0.50-026-08FJX-08FJX90	Front Frame	BF Valve	B1	BF Fan (Crary)	Out
T0051427 (3)	Hose 0.50-072-08FJX-08MB	Front Hitch	Bulkheads		1/2" Tip	
T0051427	Hose 0.50-072-08FJX-08MB	Front Hitch	Bulkheads (Bottom)		Case Drain Tip	
T0051434	Hose 0.63-066-10FJX-12MB	Front Hitch	Bulkheads		3/4" Tip	
T0051437 (2)	Hose 0.38-072-08FJX-08MB	Front Hitch	Bulkheads (Top)		1/2" Tip	
T0051430	Hose 0.50-322-08FJX-08FJX	LH Tow Bar	Case Drain Cross (LH)		Bottom Bulkhead (Tee)	
T0051431	Hose 0.50-337-08FJX-08FJX	LH Tow Bar	LH Multi-Valve	P	Bulkheads	
T0051431	Hose 0.50-337-08FJX-08FJX	LH Tow Bar	BF Supply Connecn	--	Bulkheads	
T0051435	Hose 0.63-337-10FJX-10FJX	LH Tow Bar	LH Multi-Valve	T	Bulkheads	
T0051400	Hose 0.38-031-06FJX-06FJX	LH Wing	LH Multi-Valve	S1	LH Meter Master	A

Hydraulic Hose						
P/N	Description	Location	Position 1 Port		Position 2 Port	
T0051411	Hose 0.38-045-08FJX-06FJX90L	LH Wing	Case Drain Cross (LH)		LH Vac Fan	CD
T0051410	Hose 0.38-057-08FJX-08FJX90	LH Wing	LH Multi-Valve	M1	LH Vac Fan	In
T0051410	Hose 0.38-057-08FJX-08FJX90	LH Wing	LH Multi-Valve	M2	LH Vac Fan	Out
T0051412	Hose 0.38-104-10FJX-10FJX	LH Wing	LH Multi-Valve	TBY	LH Wing Wheel Dr	T
T0051414	Hose 0.38-113-08FJX-06FJX	LH Wing	Case Drain Cross (LH)		LH Wing Wheel Dr	CD
T0051418	Hose 0.38-238-06FJX-06FJX	LH Wing	LH Multi-Valve	S2	LH Meter Slave	B
T0051419	Hose 0.38-252-08FJX-08FJX	LH Wing	L&F Valve	LWW	LH Slave Cyl	Base
T0051419	Hose 0.38-252-08FJX-08FJX	LH Wing	L&F Valve	RX1	LH Slave Cyl	Rod
T0051420	Hose 0.38-260-08FJX-08FJX	LH Wing	L&F Valve	R1	LH Wing Wheel Dr	P1
T0051420	Hose 0.38-260-08FJX-08FJX	LH Wing	L&F Valve	LWF	LH Wing Wheel Dr	P2
T0051424	Hose 0.38-266-06FJX-06FJX	LH Wing	LH Meter Master	B	LH Meter Slave	A
T0051430	Hose 0.50-322-08FJX-08FJX	RH Tow Bar	Case Drain Tee (RH)		Bottom Bulkhead (Tee)	
T0051431	Hose 0.50-337-08FJX-08FJX	RH Tow Bar	RH Multi-Valve	P	Bulkheads	
T0051432	Hose 0.50-337-10FJX-10FJX	RH Tow Bar	RH Multi-Valve	T	Bulkheads (Tee's into 5/8)	
T0051433	Hose 0.38-470-08FJX-08FJX	RH Tow Bar	L&F Valve	In	Bulkheads (Top)	
T0051433	Hose 0.38-470-08FJX-08FJX	RH Tow Bar	L&F Valve	Out	Bulkheads (Top)	
T0051400	Hose 0.38-031-06FJX-06FJX	RH Wing	RH Multi-Valve	S1	RH Meter Master	A
T0051411	Hose 0.38-045-08FJX-06FJX90L	RH Wing	Case Drain Tee (RH)		RH Vac Fan	CD
T0051410	Hose 0.38-057-08FJX-08FJX90	RH Wing	RH Multi-Valve	M1	RH Vac Fan	In
T0051410	Hose 0.38-057-08FJX-08FJX90	RH Wing	RH Multi-Valve	M2	RH Vac Fan	Out
T0051413	Hose 0.38-113-10FJX-10FJX	RH Wing	RH Multi-Valve	TBY	RH Wing Wheel Dr	T
T0051415	Hose 0.38-123-08FJX-06FJX	RH Wing	Case Drain Tee (RH)		RH Wing Wheel Dr	CD
T0051416	Hose 0.38-214-06FJX-06FJX	RH Wing	RH Multi-Valve	S2	RH Meter Slave	B
T0051417	Hose 0.38-235-06FJX-06FJX	RH Wing	RH Meter Master	B	RH Meter Slave	A
T0051419	Hose 0.38-252-08FJX-08FJX	RH Wing	L&F Valve	RWW	RH Slave Cyl	Base
T0051419	Hose 0.38-252-08FJX-08FJX	RH Wing	L&F Valve	RX2	RH Slave Cyl	Rod
T0051423	Hose 0.38-274-08FJX-08FJX	RH Wing	L&F Valve	R2	RH Wing Wheel Dr	P1
T0051423	Hose 0.38-274-08FJX-08FJX	RH Wing	L&F Valve	RWF	RH Wing Wheel Dr	P2

To Determine the Part Number for Your Replacement Hose

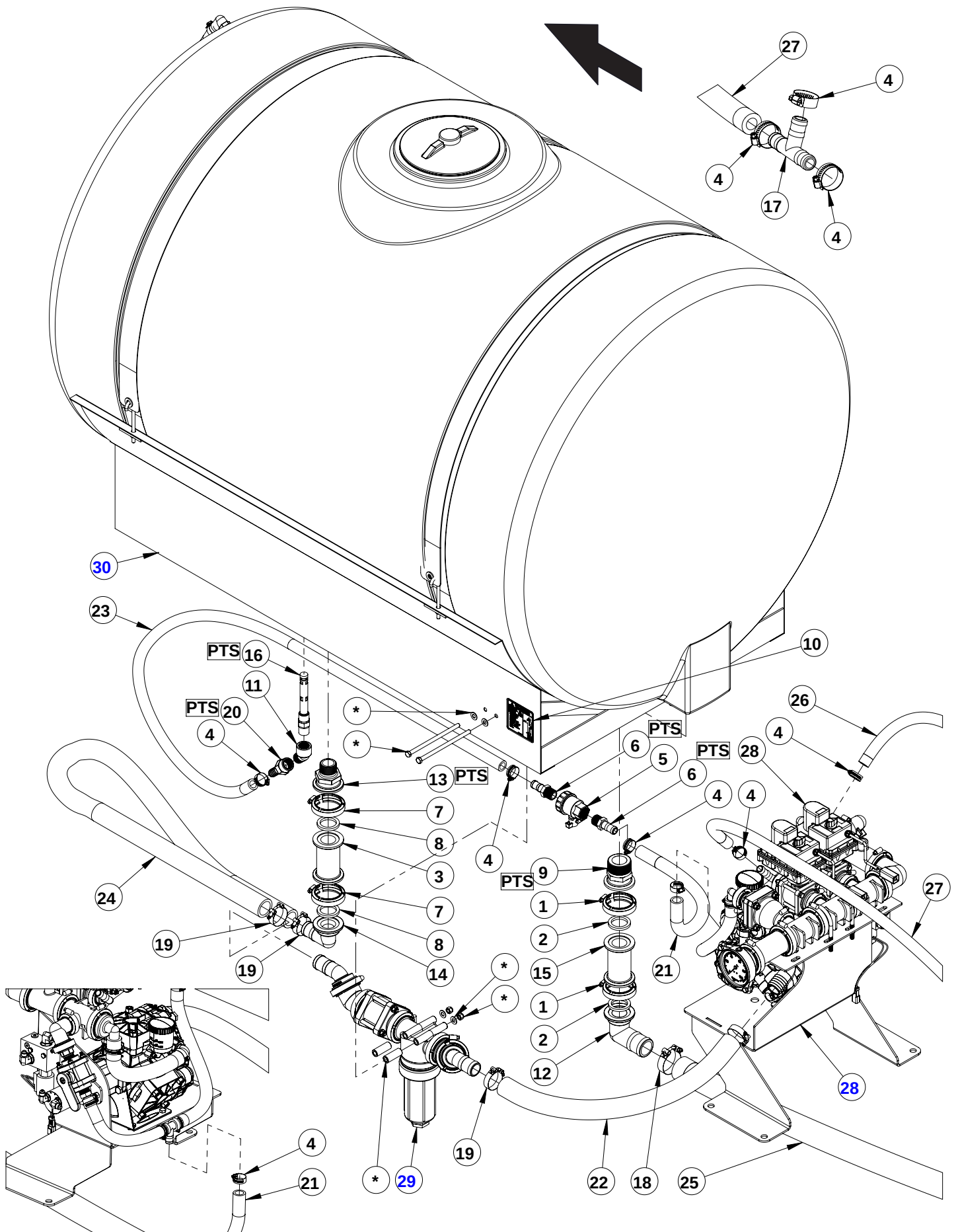
The part number for your replacement hydraulic hose can be determined by locating the stamped number on one end of the hose as illustrated below. The part numbers will begin with a "T00" then continue with a 5 digit number. Please provide the part number when ordering replacement hydraulic hoses.





TA00674 Tee Jet Valve Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (FT-LBS)
1	T0051529	TEE JET CHECK VALVE ASSY	1	
2	T0051530	TEEJET 1/4 INCH HOSE ADAPTOR	1	
3	T0051544	HOSE BARB 1/4" FPT X 3/8" HB	1	
4	CP4916-29	ORIFICE - .029	1	
4	CP4916-35	ORIFICE - .035	1	
4	CP4916-40	ORIFICE - .040	1	
4	CP4916-47	ORIFICE - .047	1	
4	CP4916-52	ORIFICE - .052	1	
4	CP4916-65	ORIFICE - .065	1	
4	CP4916-89	ORIFICE - .089	1	
5	T0051532	ORIFICE SEAL	1	

* **NOTE:** Item # 4 is not Installed so that the end user may pick the preferred size orifice.

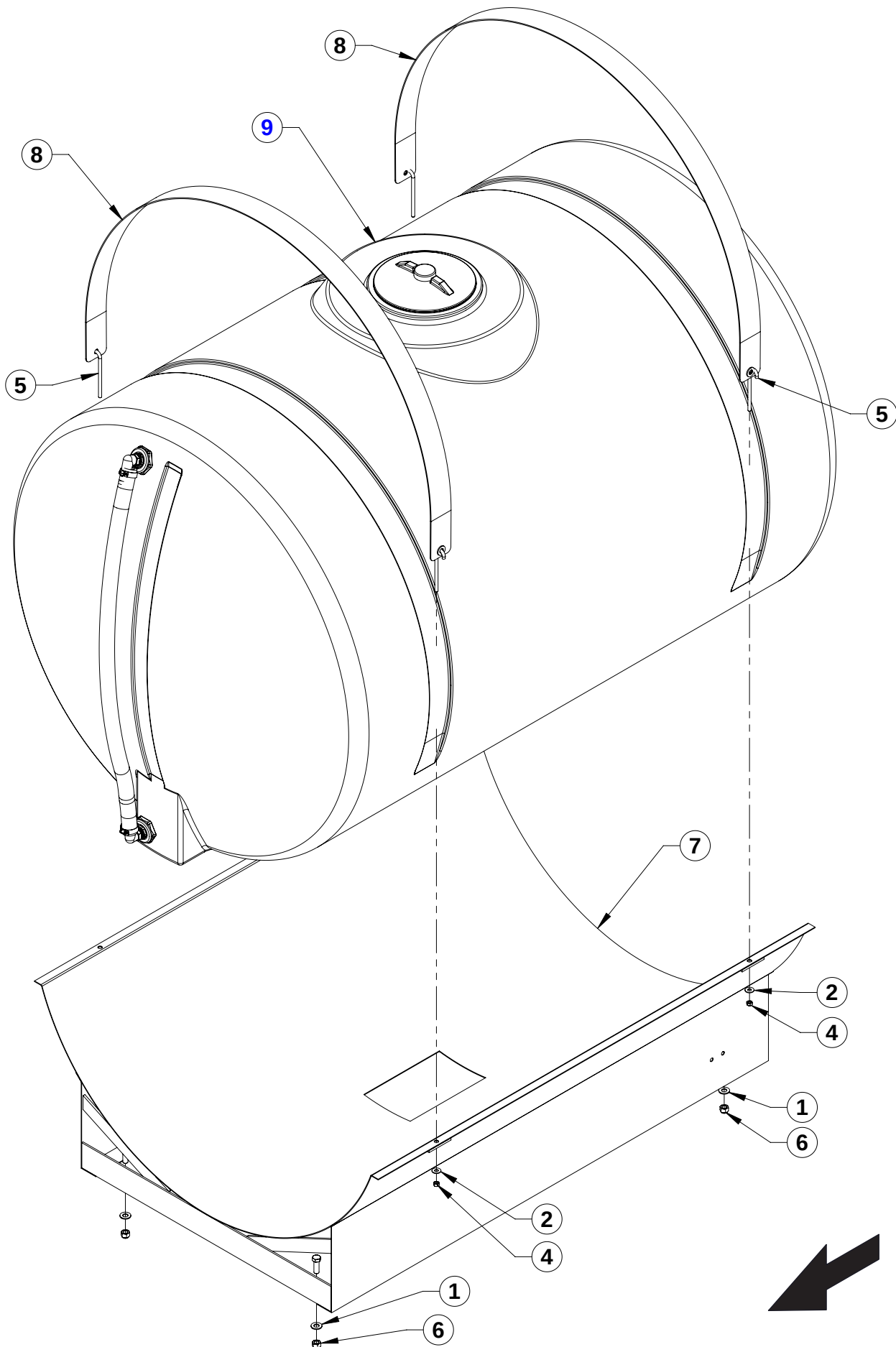


TA00588 500 Gal Liquid Fertilizer Tank

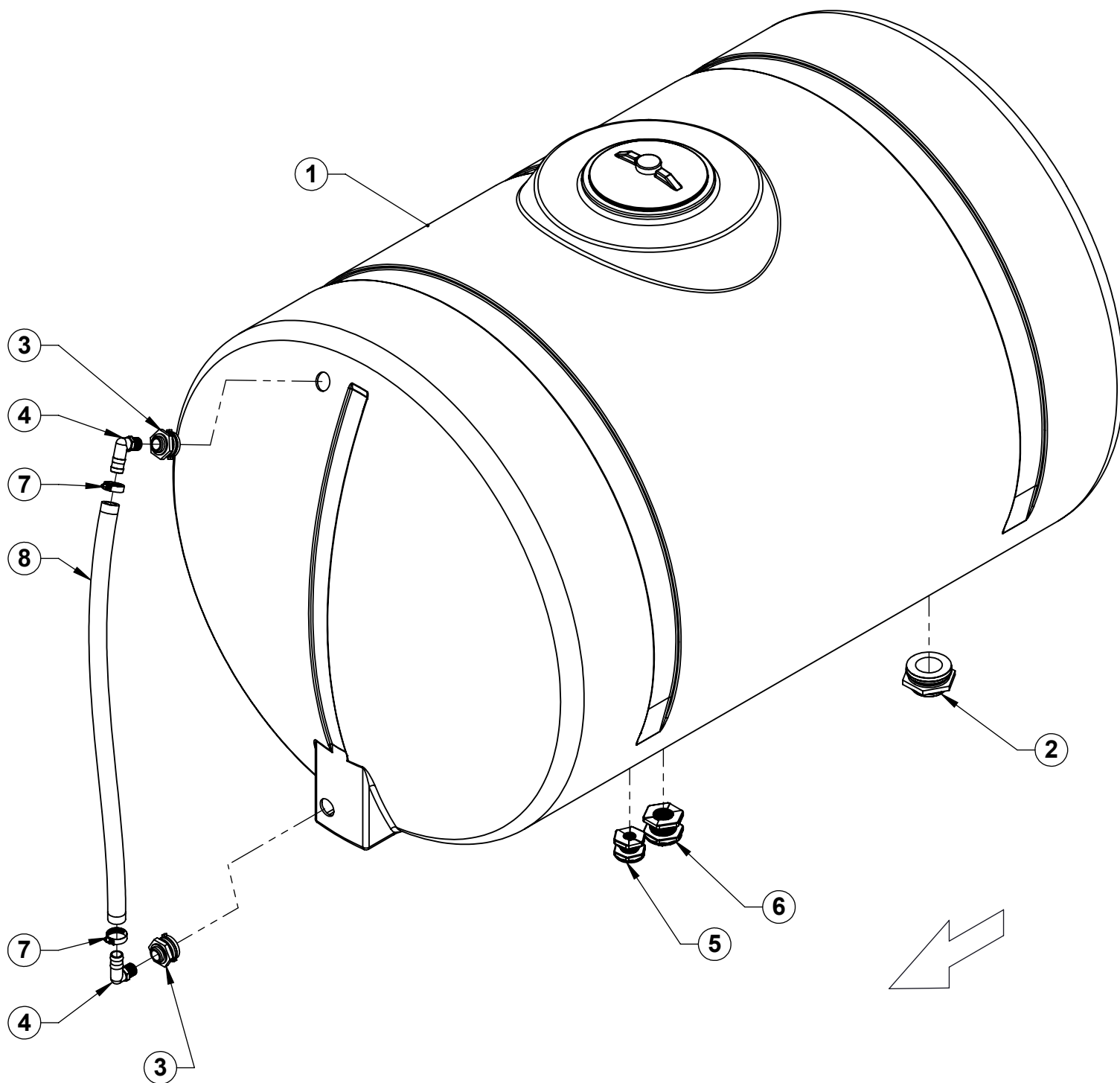
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	406040A1	Clamp 2" Flange	2	
2	408348A1	Gasket 2" Manifold	2	
3	442255A1	Coupling 2" Flange	1	
4	HClamp-SAE-10-SS	HClamp-SAE-10-SS	12	
5	T0051510	3/4" Union Valve	1	
6	T0051512	3/4" MPT x 3/4" HB	2	
7	T0051560	Clamp 2" Flange	2	
8	T0051561	Gasket 2" Manifold	2	
9	T0051587	2" Flange x 2" MPT	1	
10	T0051589	Decal, Warning - Chemical Hazard	2	
11	T0051599	3/4 x 45 Deg Street Elbow	1	
12	T0051610	2" Flange x 2" 90 Deg HB	1	
13	T0051613	2" Flange x 1.25" MPT	1	
14	T0051619	2" Flange x 1.5" 90 deg HB	1	
15	T0051635	Coupling 2" Flange	1	
16	T0051637	Agitator, Tank	1	
17	T0051638	3/4" Hose Barb Tee	2	
18	T0051639	T-Bolt Clamp 2.5"	1	
19	T0051640	T-Bolt Clamp 2"	4	
20	T0051645	3/4" FPT x 3/4" Hose Barb	1	
21	T0051875	Hose, Recirc, Ø3/4IDxØ1.13ODx23	1	
22	T0051876	Hose, Suction, Ø3/4IDxØ1.13ODx29	1	
23	T0051883	Hose, Recirc, Ø3/4IDxØ1.13ODx72	1	
24	T0051884	Hose, Suction, Ø3/4IDxØ1.13ODx70	1	
25	T0051886	Hose, Fill-Liquid Fert Ø2.0 ID	1	
26	T0051887	Hose, RH Supply Ø3/4IDx1.13ODx78	1	
27	T0051889	Hose, LH Supply, Ø3/4IDxØ1.13ODx82	1	
28	TA00689	Assy, Fertilizer Pump Mount	1	
29	TA00697	Assy, Inline Tank Fertilizer Filter	1	
30	TA00733	Assy, 500 Gal Liquid Fert Tank	1	

Note:

PTS= Apply Pipe Thread Sealant, use Rectorseal #21 or equivalent.

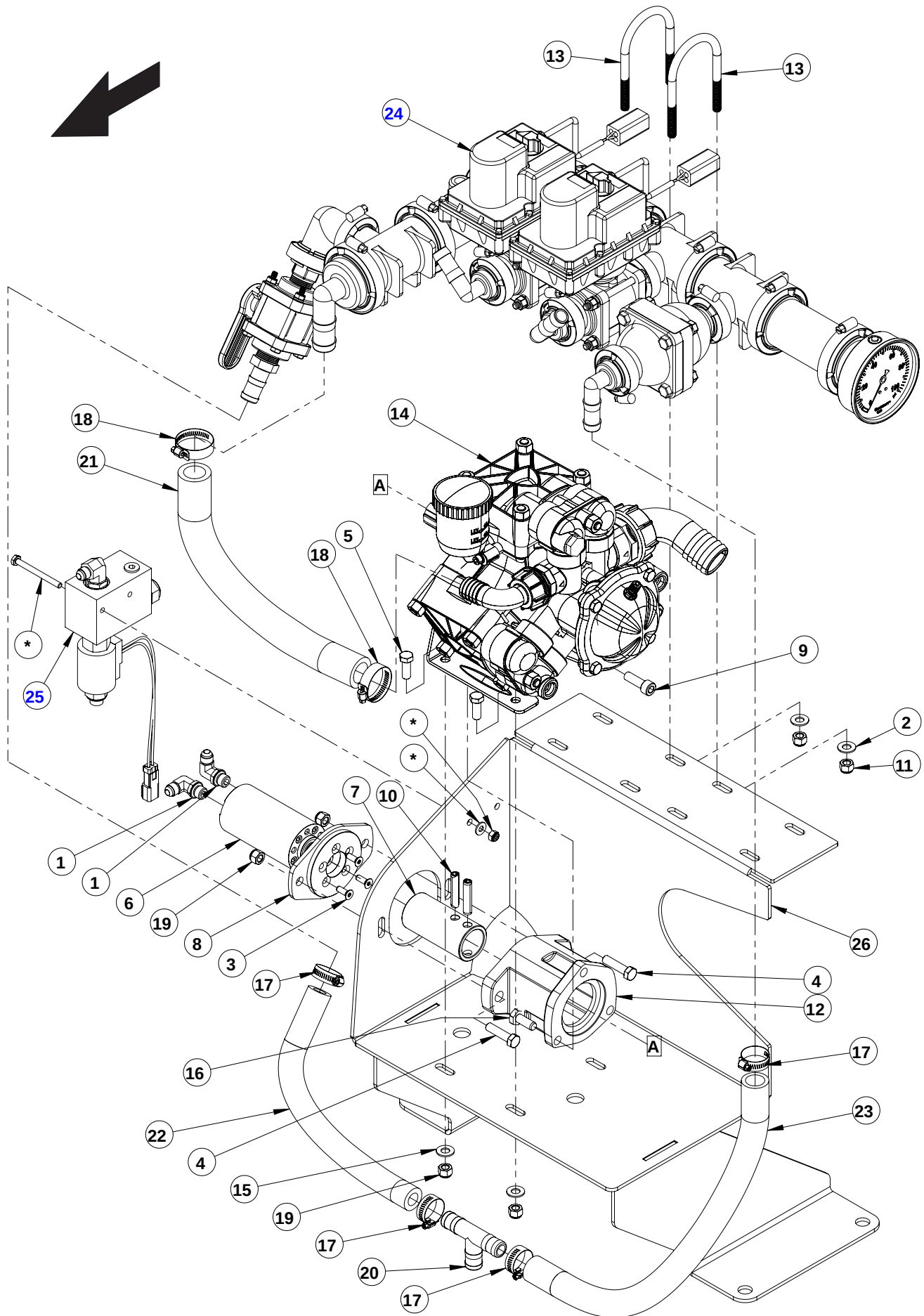


TA00733 Assy, 500 Gal Liquid Fert Tank				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.500-YZ	FW-SAE-0.500-YZ	4	
2	FW-USS-0.313-YZ	FW-USS-0.313-YZ	4	
3	HBolt-0.5000-13x1.500-YZ8	HBolt-0.5000-13x1.500-YZ8	4	
4	HNut-0.3125-18-CZ5	HNut-0.3125-18-CZ5	4	
5	JBolt-0.3125-18x5.000-Z5	JBolt-0.3125-18x5.000-Z5	4	
6	NLNut-0.5000-13-YZ8	NLNut-0.5000-13-YZ8	4	
7	T0050456	Tank Base	1	
8	T0051073	Tank Mtg Strap	2	
9	TA00631	500 Gallon Liquid Fertilizer Tank	1	

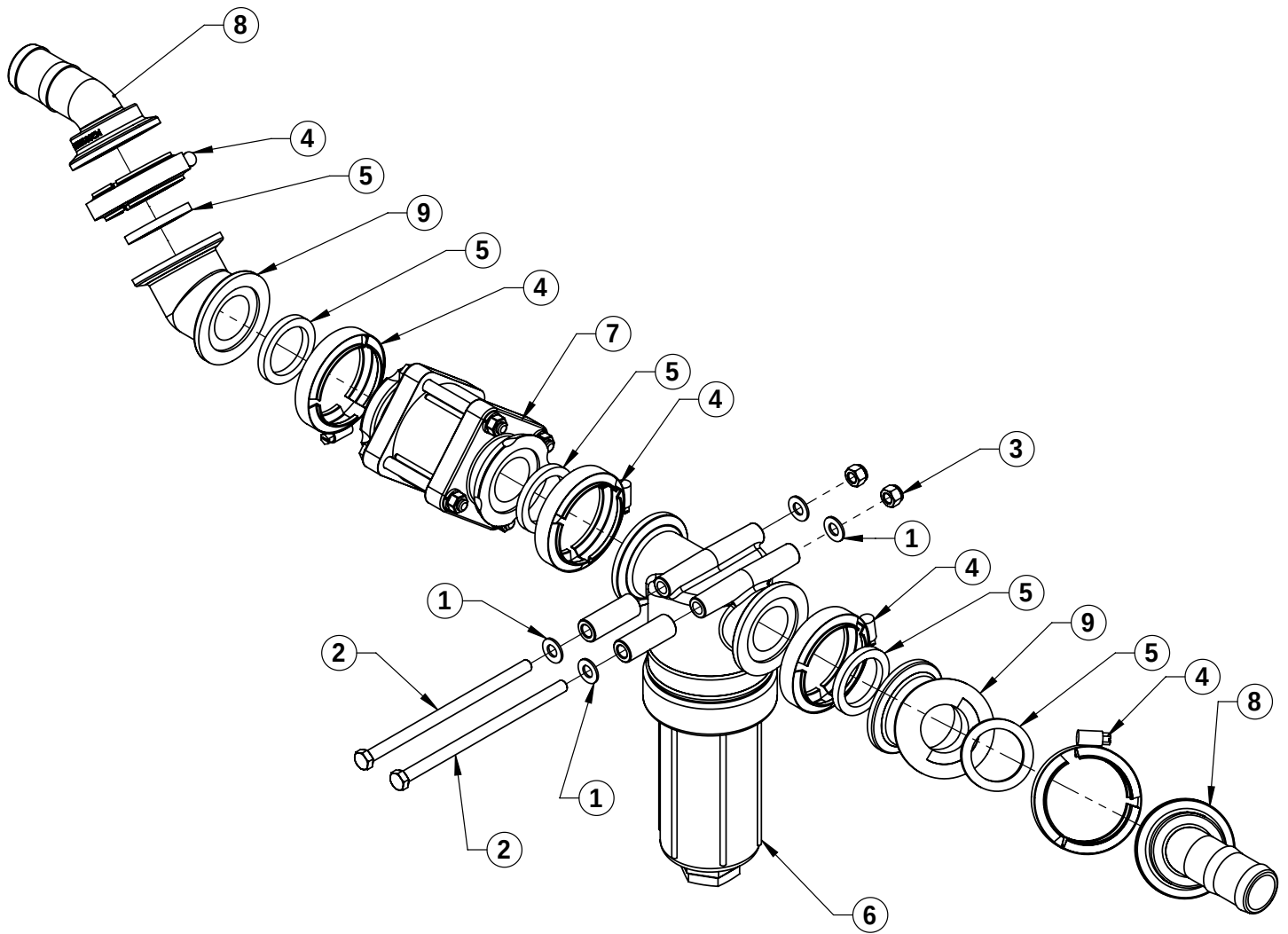


TA00631 500 Gal Liq Fertilizer Tank

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0050168	500 Gallon Liquid Tank	1	
2	T0051106	2" Bulkhead Tank Fitting	1	
3	T0054212	Ftng, Tank 3/4 Dbl Thrd Poly	2	
4	T0051179	.75" MPT to 1.00" Hose Barb-90	2	
5	T0051176	Ftng, 3/4" Bulkhead Tank	1	
6	T0051177	1.25" Bulkhead Tank Fitting	1	
7	HCLMP-SAE-16SS	Clamp, Hose-SAE-#16-SS	2	
8	T0051180	Sight Tube	1	

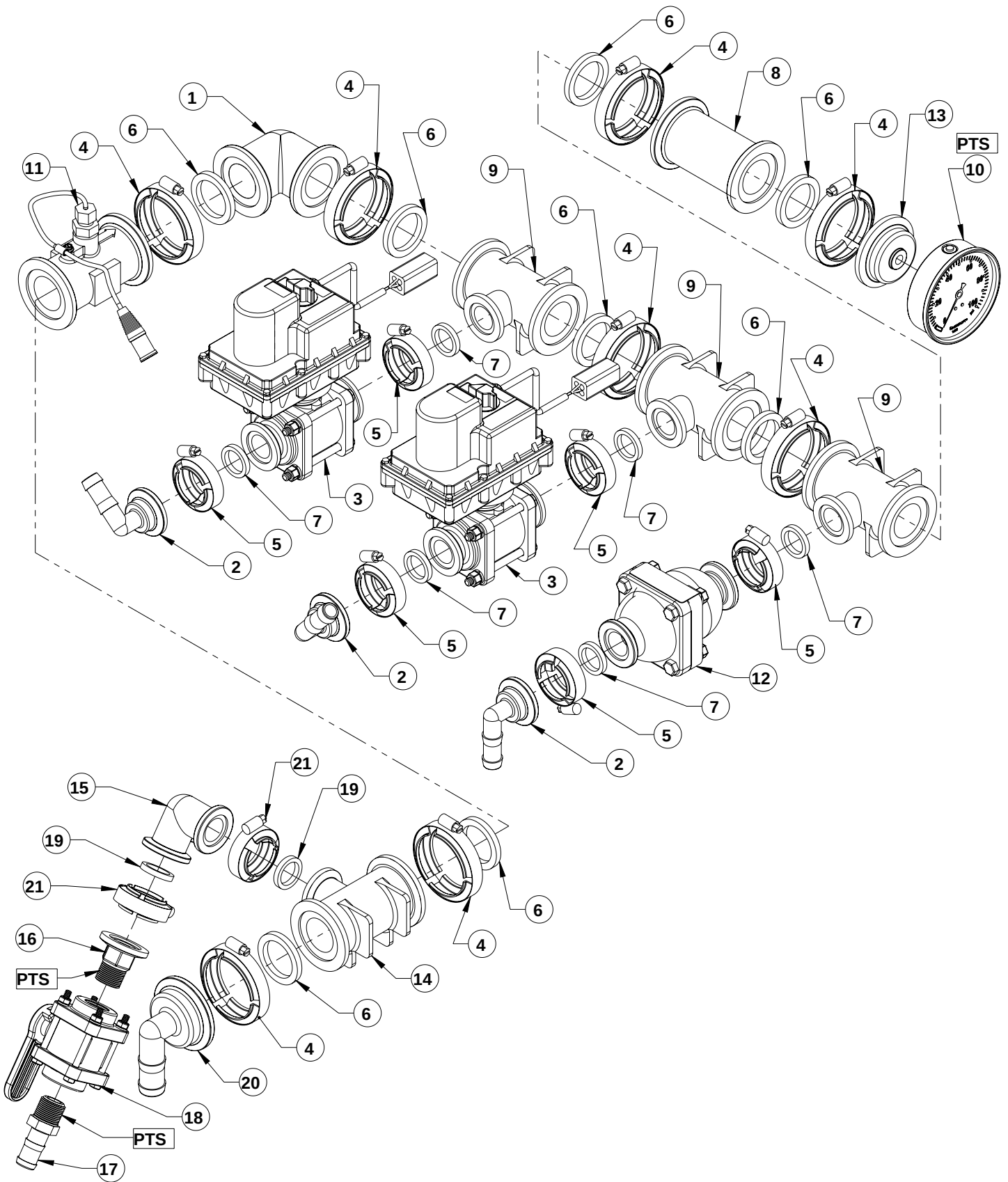


TA00689 Assy, Fertilizer Pump Mount				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	76344	Elbow,90°,9/16"-18,37°x9/16"-18,O-Ring	2	
2	87016	Washer, 3/8", SAE	4	
3	87659	Hex Soc Screw, Flat Hd. 1/4"-28x3/4	3	
4	88044	HBolt-0.3750-16x1.500-YZ8	2	
5	88206	Bolt, Hex-3/8-16x1.000 YZ5	4	
6	284797A1	Motor, 19.8CM ³ (1.21 in ³) Disp Fert Drive	1	
7	400299A2	Coupling, Pump Motor	1	
8	400300A1	Flange, Mounting YZ	1	
9	9832986	Screw, Hex Soc Hd, M10x30, 8.8	1	
10	13916870	Roll Pin, M10x45, Coiled	2	
11	86985855	Nut, Nylock 3/8-16 SS	4	
12	86990284	Flange, Motor Mounting	1	
13	87413269	UBolt-0.3750x3.00x3.63-RB-SS	2	
14	87504661	Pump, Liquid Fertilizer	1	
15	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	4	
16	HBolt-M10-1.5x25-CZ8.8	HBolt-M10-1.5x25-CZ8.8	2	
17	HClamp-SAE-10-SS	HClamp-SAE-10-SS	4	
18	HClamp-SAE-16-SS	HClamp-SAE-16-SS	2	
19	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	6	
20	T0051638	3/4" Hose Barb Tee	1	
21	T0051871	Hose, Supply, Ø1.00IDxØ1.50ODx15	1	
22	T0051872	Hose, Recirc, Ø.75IDxØ1.13ODx13	1	
23	T0051873	Hose, Pressure Relief, Ø.75IDxØ1.13ODx19	1	
24	TA00699	Assy, Fert Pump Valve	1	
25	TA00726	Assy, Control Valve	1	
26	TW000652	Mount Fertilizer Pump	1	



TA00697 Assy, Inline Tank Fertilizer Filter

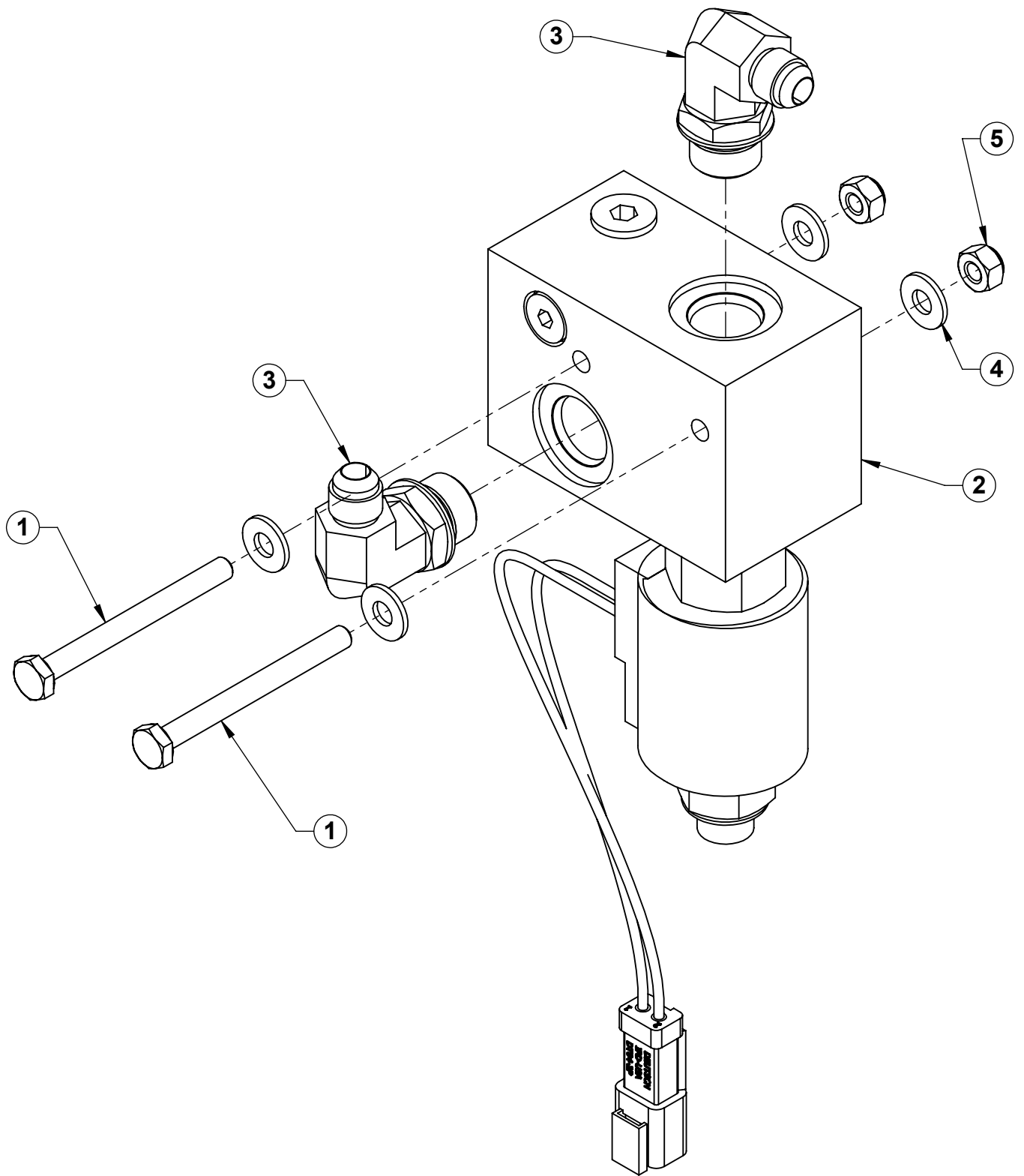
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	4	
2	HBolt-0.3750-16x7.000-YZ8	HBolt-0.3750-16x7.000-YZ8	2	
3	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	2	
4	T0051560	Clamp 2" Flange	5	
5	T0051561	Gasket 2" Manifold	5	
6	T0051597	2" Manifold T Strainer- 80 Mesh	1	
7	T0051615	Valve Ball 2" Manifold	1	
8	T0051617	2" Flange x 1.5" 45 deg HB	2	
9	T0051620	2" x 2" 45 Deg Flange	2	
10	T0051625	Strainer Spacer	2	



TA00699 Assy, Fert Pump Valve					
ITEM	PART NUMBER	CNH PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	405782A1		Elbow 2" 90 Short	1	
2	405785A1		Elbow 90 1" Flange 3/4" HB	3	
3	406039A1		Solenoid Valve - Liquid	2	
4	406040A1		Clamp 2" Flange	8	
5	406041A1		Clamp 1" Flange	6	
6	408348A1		Gasket 2" Manifold	8	
7	408350A1		Gasket 1" Manifold	6	
8	442255A1		Coupling 2" Flange	1	
9	86984089		Tee 2" x 2" x 1"	3	
10	86990418		Gauge, Pressure 4" SS 0-100PSI	1	
11	87504660	87504660	Flowmeter,RFM60P Range 1-60GPM	1	
12	87505937		Pressure Relief Valve - 100PSI	1	
13	87670356		Plug 2" w/ Gauge Port	1	
14	T0051076		Tee 2" x 2" x 1"	1	
15	T0051506		Coupler Flange 90 Deg 1"	1	
16	T0051509		1" Flange x 3/4" MPT	1	
17	T0051512		3/4" MPT x 3/4" HB	1	
18	T0051550		Valve Ball 3/4"	1	
19	T0051562		Gasket 1" Manifold	2	
20	T0051563		2" Flange x 1" 90 HB	1	
21	T0051636		Clamp 1" Flange	2	

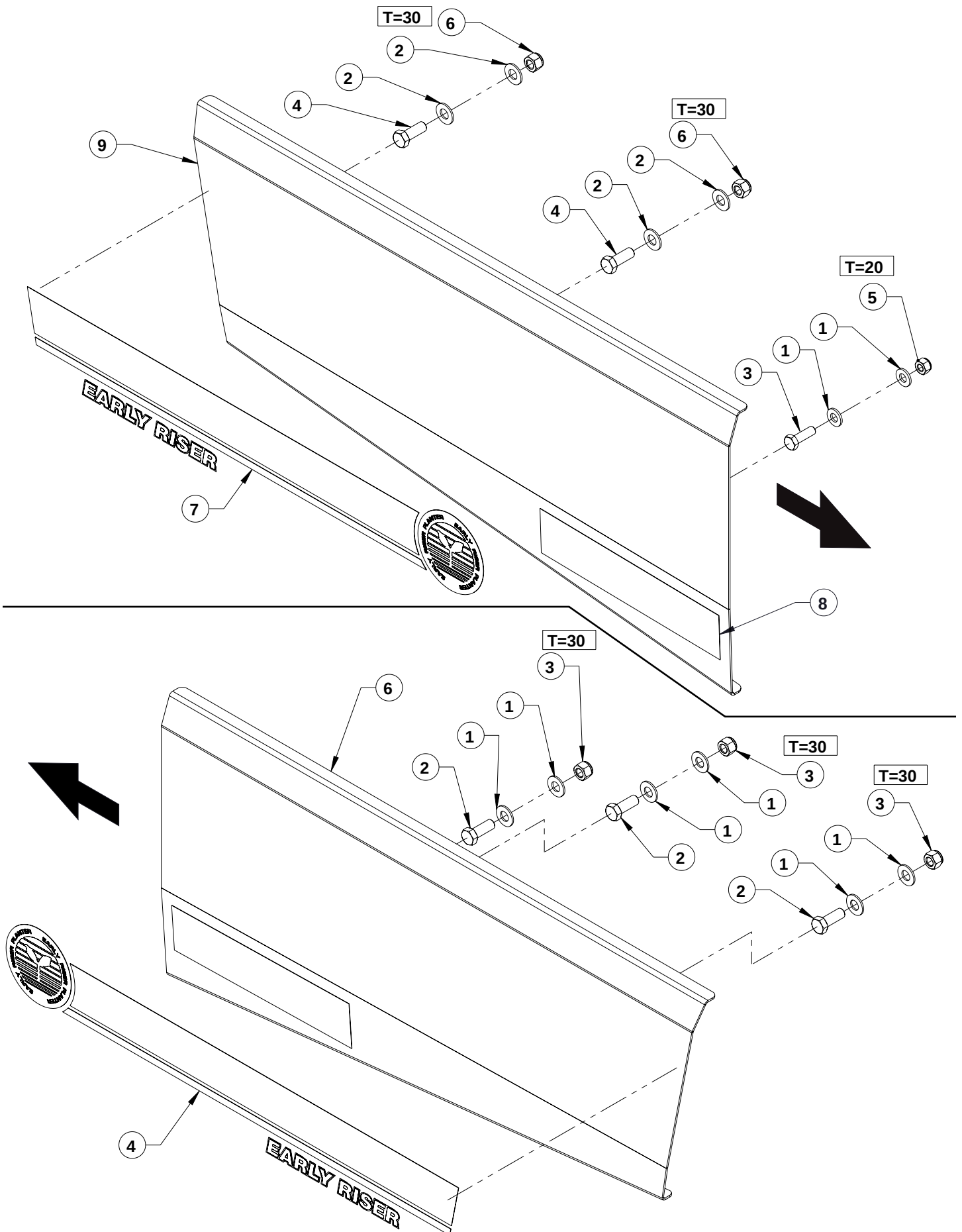
Note:

1. PTS= Apply Pipe Thread Sealant, use Rectorseal # 21 or equivalent.
2. Item # 11 can be interchanged with P/N 406037A2 for low flow rates.



TA00726 Assy, Control Valve

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	280566	Bolt, Hex, 1/4"-20 x 2-3/4" G5	2	
2	419865A1	Control Valve	1	
3	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
4	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	4	
5	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	2	



TA00676 Assy, Row Unit End Plate-RH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.313-YZ	FW SAE 0.313-YZ	2	
2	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	4	
3	HBolt-0.3125-18x1.000-YZ8	HBolt-0.3125-18x1.000-YZ8	1	
4	HBolt-0.3750-16x1.000-YZ8	HBolt-0.3750-16x1.000-YZ8	2	
5	NLNut-0.3125-18-YZ8	NLNut-0.3125-18-YZ8	1	20
6	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-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:

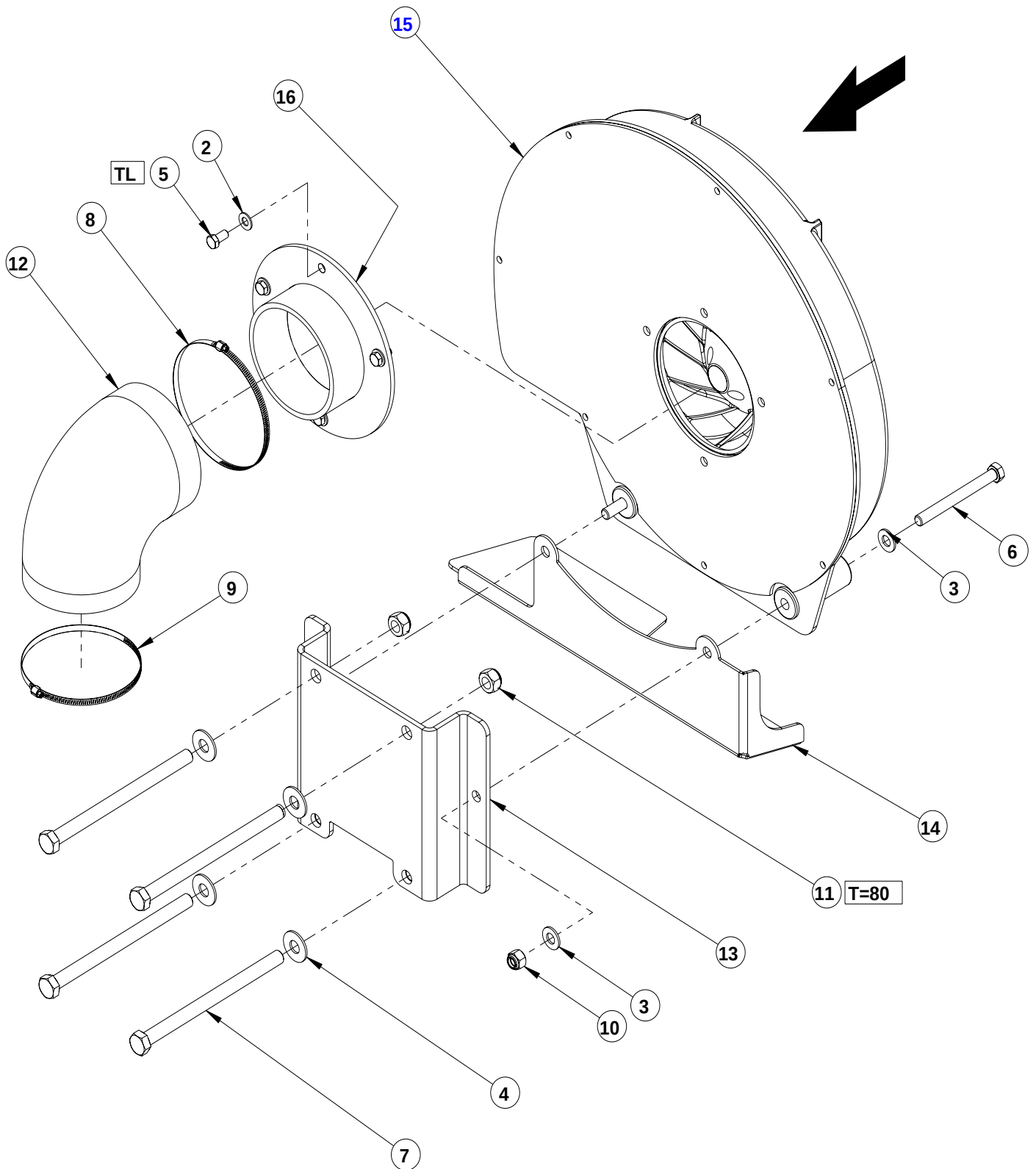
T = Torque Expressed in ft-lbs

TA00669 Assy, Row Unit End Plate-LH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375-YZ	FW-SAE-0.375-YZ	6	
2	HBolt-0.3750-16x1.000-YZ8	HBolt-0.3750-16x1.000-YZ8	3	
3	NLNut-0.3750-16-YZ8	NLNut-0.3750-16-YZ8	3	30
4	T0051489	Decal, Early Riser Planter-LH	1	
5	T0051729	Decal, Reflector, Yellow-2x9	1	
6	TW000669	Wldmt, End Shield Row Unit-LH	1	

Note:

T = Torque Expressed in ft-lbs



TA00640 Assy, Fan With Mount

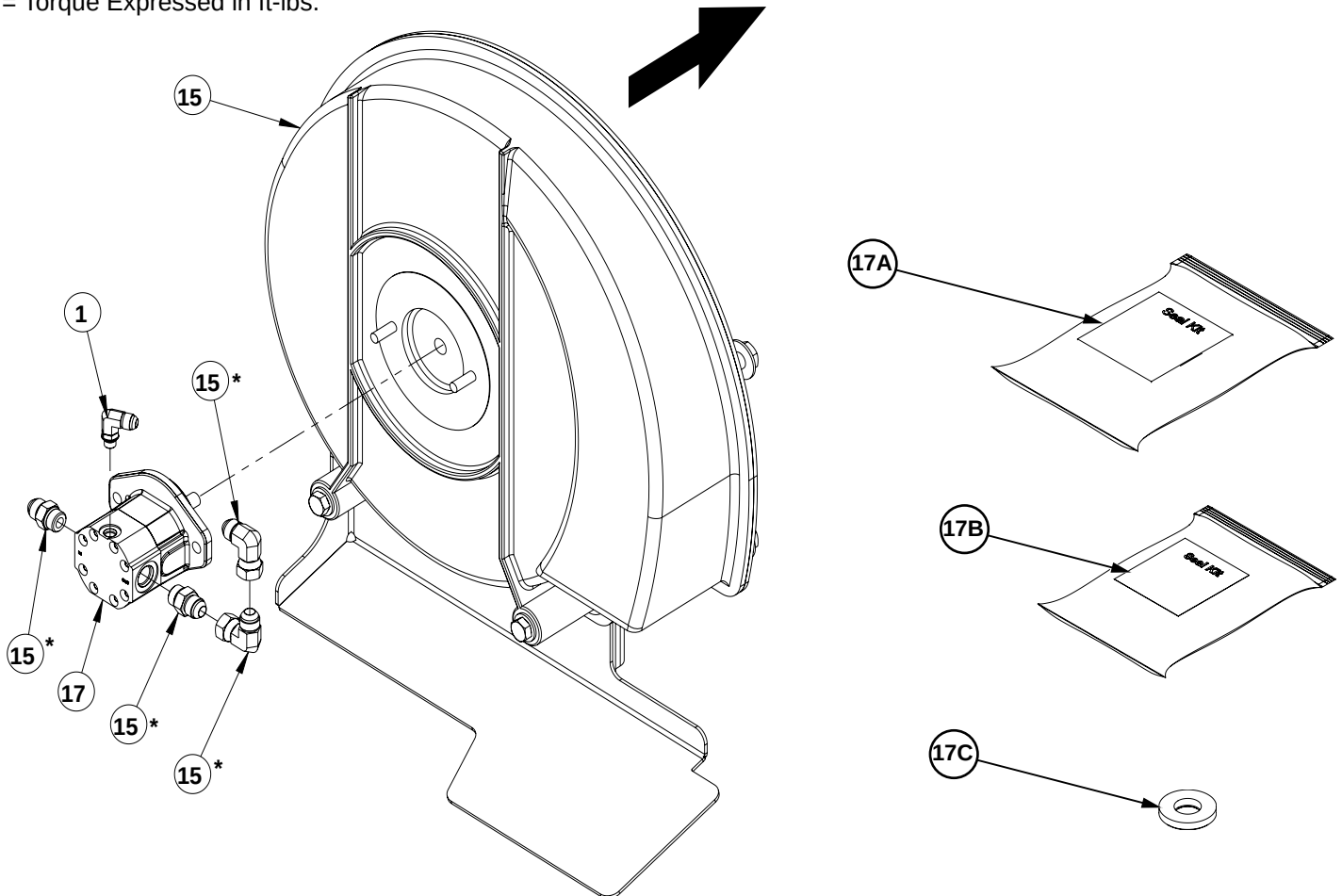
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	ADAPTER 06MJ-04MB 90	ADAPTER 06MJ-04MB 90	1	
2	FW-SAE-0.375-YZ	Washer, Flat SAE 3/8" YZ	4	
3	FW-SAE-0.500-YZ	Washer, Flat SAE - 1/2"-YZ	4	
4	FW-USS-0.563-YZ	Washer, Flat USS 9/16"-YZ	4	
5	HBolt-0.3750-16x0.750-YZ8	HBolt-0.3750-16x0.750-YZ8	4	
6	HBolt-0.5000-13x5.000-YZ8	HBolt-0.5000-13x5.000-YZ8	2	
7	HBolt-0.6250-11x9.000-YZ8	Bolt, Hex Head-5/8-11x9.0-YZ8	4	
8	HClamp-SAE-88-SS	HClamp-SAE-88-SS	1	
9	HClamp-SAE-96-SS	HClamp-SAE-96-SS	1	
10	NLNut-0.5000-13-YZ8	Nut, Nylock-1/2"-13-YZ8	2	
11	NLNut-0.6250-11-YZ8	Nut, Nylock-5/8-11-YZ8	4	80
12	T0050630	5.5 to 5.0 Inch Elbow	1	
13	T0051286	Plate, Vacuum Fan Mounting	1	
14	TW000804	Wldmt, Fan Deflector 2013	1	
15	TA00639	Fan, Vacuum w/Motor	1	
16	TW000621	Adapter - Precision Fan	1	
17	T0052793	Motor, Fan Drive 4.2cc	1	
17A	T0051782	Seal Kit, Motor 730352	1	
17B	T0052794	Seal Kit, Motor 730425	1	
17C	T0052795	Seal, Motor Shaft (Included in 17A, & 17B)	1	

Note:

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

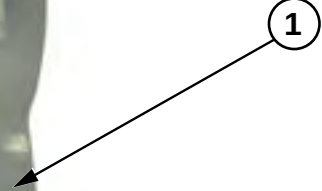
TL = Apply Threadlocker Loctite 242 or Equivalent.

T = Torque Expressed in ft-lbs.



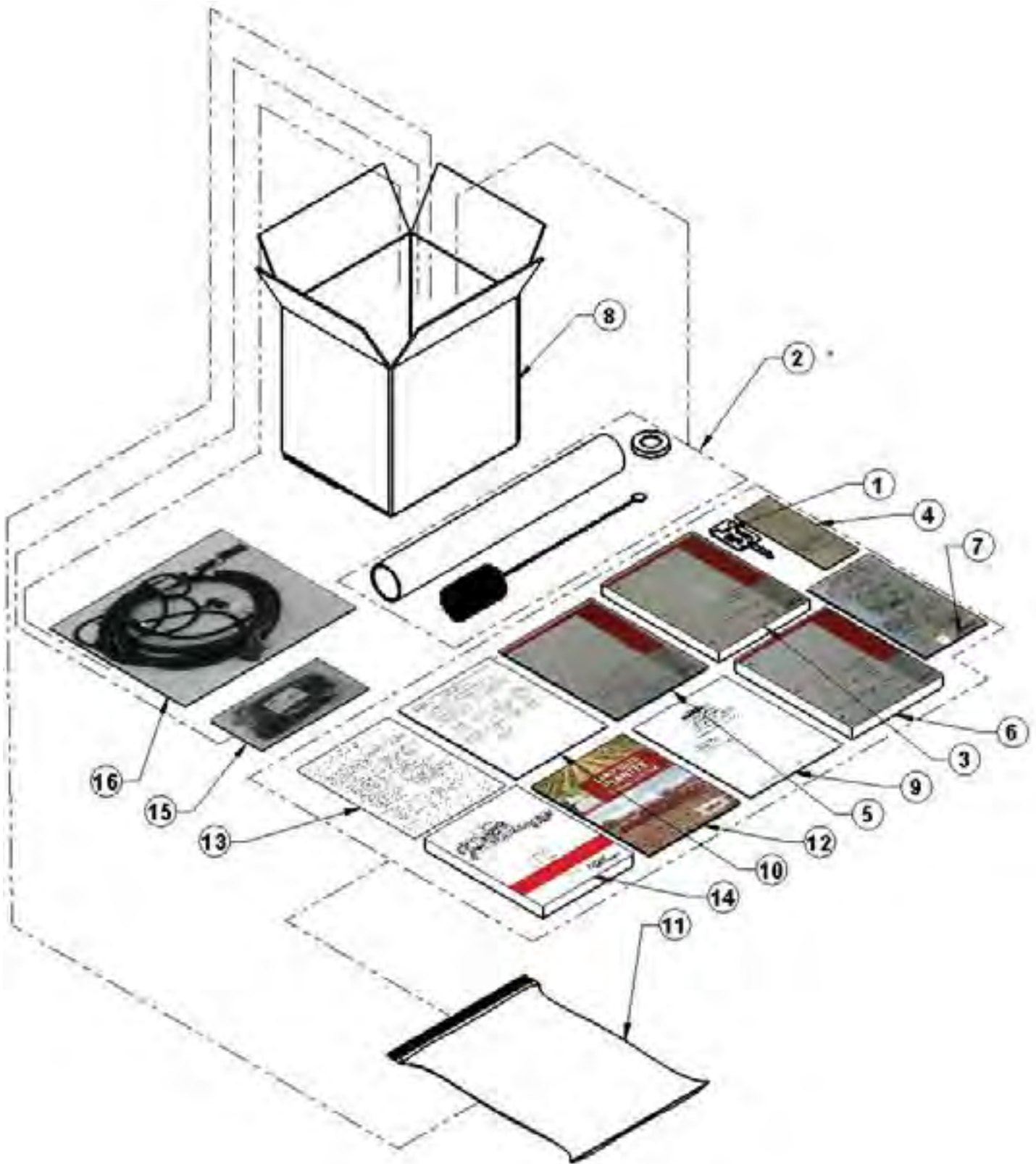


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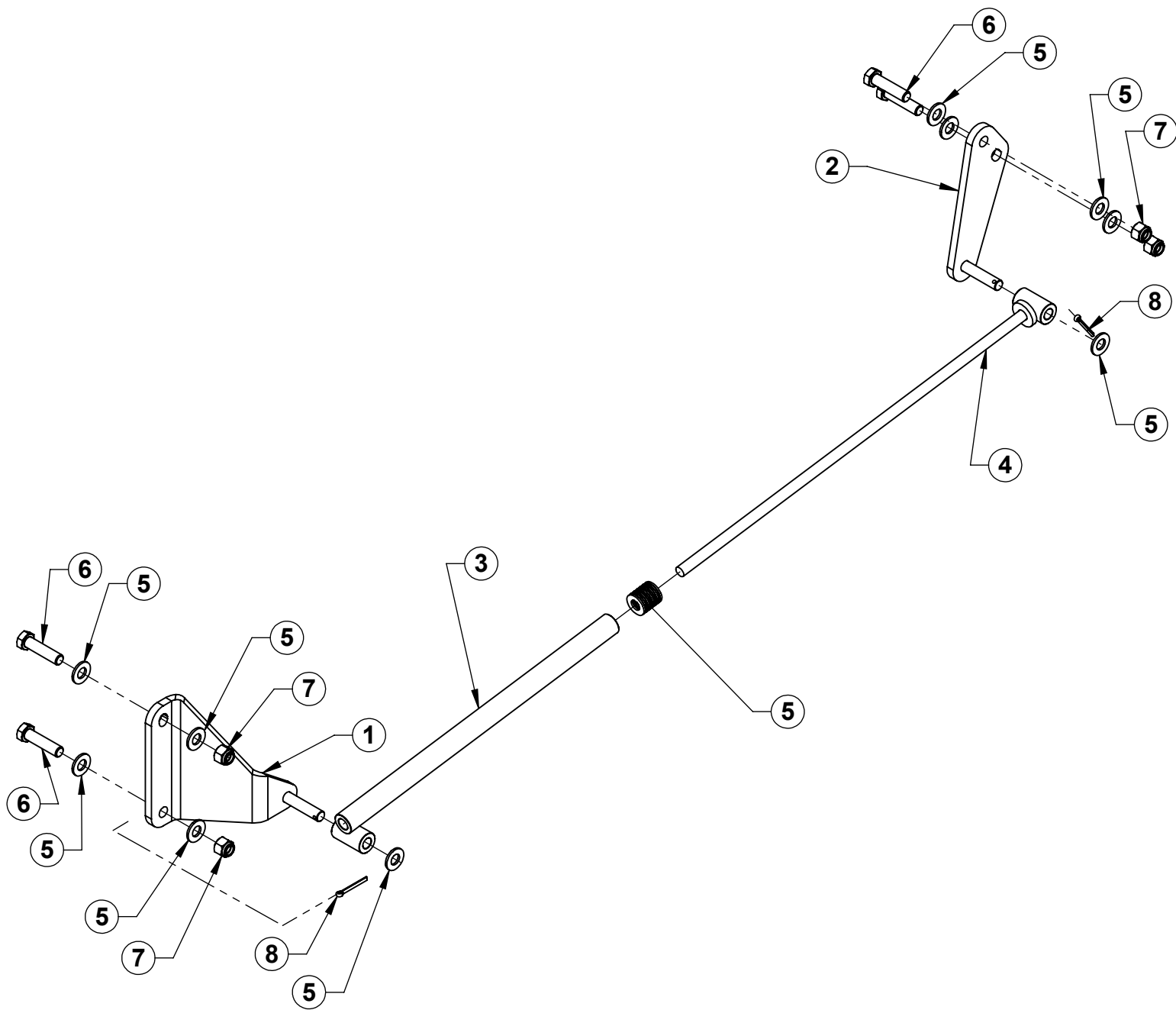
Cylinder Seal Kits

ITEM	PART NUMBER	DESCRIPTION
1	T0051763	Seal Kit - Cyl TA00622
2	T0051764	Seal Kit - Cyl TA00545
3	T0051765	Seal Kit - Cyl TA00597
4	T0051766	Seal Kit - Cyl TA00632



TA00702 Operator's Package TM24R22

ITEM	PART NUMBER	DESCRIPTION	QTY
1	1958225C4	Firming Point Gauge	1
2	346290A1	Brush, Seed Tube	1
3	84574693	1250 Operator's Manual	1
4	47403737	AFS Planting Software QRC	1
5	84325410	AFS AccuRow Control Op/Install Manual	1
6	84575864	Manual, Software Op Guide AFS 600/700	1
7	AFS-8031-13	Early Riser AFS QRC	1
8	Flap Box Assembly	Flap Box	1
9	84527632	Instructions, In-Cab PDP Install	1
10	L-1381	HyPro Pump Manual	1
11	T0051793	Bag, Recloseable-13"x18" 6Mil	1
12	PL-3076-12	Early Riser Productivity Tips	1
13	T0051790	Checklist, PDI & Startup	1
14	T0051771	Manual, Operator's Yieldtrac 24R-22	1
15	1983416C2	Harness, Calibration	1
16	84170857	Harness, Tractor Compressor	1



TA00914 Assy, 2013 RUL

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW000836	Bracket, Row Unit Lift	2	
2	TW000835	Bracket, Row Unit Lift	2	
3	TW000841	Wldmt, Pusher Rod	2	
4	TW000842	Weldmt, Slider Rod	2	
5	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	UAR	
6	HB-0.500-13X2.00Y8	Bolt, Hex Hd 1/2-13x2 YZ8	8	
7	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	8	
8	CTPIN-0.156X1.50	COTTERPIN .156X1.500	4	

Note:

1. Quantities shown in BOM are for one planter.

! WARNING

Before operating machine, read operator's manual and ALL SAFETY instructions.

If manual is missing, contact your dealer or service department.

1. Before starting engine or operation, clear area of bystanders.
2. Disengage drives, stop engine, wait for all movement to stop before leaving operator's position.
3. Keep all shields in place. Keep hands, feet, clothing and hair away from moving parts.
4. Keep riders off machines.
5. Use Slow-Moving Vehicle (SMV) identification emblem and flashing warning lights when operating on highways, except when prohibited by law.
6. Never adjust, lubricate, clean or unplug machine with engine running.

Failure to comply could result in death or serious injury.

PIN T0051573

! WARNING

TIPPING HAZARD

- Fold or lower implement before unhooking from tractor drawbar.

Failure to comply could result in death or serious injury.

PIN T0051575

! WARNING

- Properly prepare machine for transport / loading.
- Transport with Ag Tractor only.
- 20 mph [32 km/h] - MAX. road speed.
- DO NOT transport more than half filled tanks or hoppers.
- Towing unit must weigh at least .67 x GROSS weight of towed machine include weight in tanks or hoppers.
- Towing unit must be equipped with compatible electrical connections to operate lights.
- Use caution when on turns, inclines, or hazardous road conditions to avoid loss of control.
- Attach properly sized safety chain.

Failure to comply could result in death or serious injury.

PIN T0051574

! WARNING

CHEMICAL HAZARD

Wear Protective Equipment as directed on Chemical Label.

Failure to comply could result in death or serious injury.

PIN T0051589

! WARNING

CRUSH HAZARD

- Stand clear of machine when folding to transport position, or unfolding to planting position.

Failure to comply could result in death or serious injury.

PIN T0051588

! DANGER

ELECTROCUTION HAZARD

Keep markers away from overhead electrical wires.

Failure to comply will result in death or serious injury.

! WARNING

CRUSH HAZARD

- KEEP CLEAR
- Markers actuate automatically.

Failure to comply could result in death or serious injury.

PIN T0051591

! WARNING

PRESSURIZED HAZARD

- Avoid serious injury from exploding parts due to overpressurization or operating systems without all components in place.
- Do not inflate system above 105 psi.
- Do not remove pressure relief valve.
- Do not pressurize system unless all row unit components are in place.

Failure to comply could result in death or serious injury.

PIN T0051592

! WARNING

CRUSH HAZARD BEFORE SERVICING OR TRANSPORTING UNIT

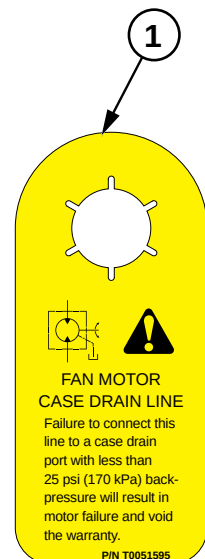
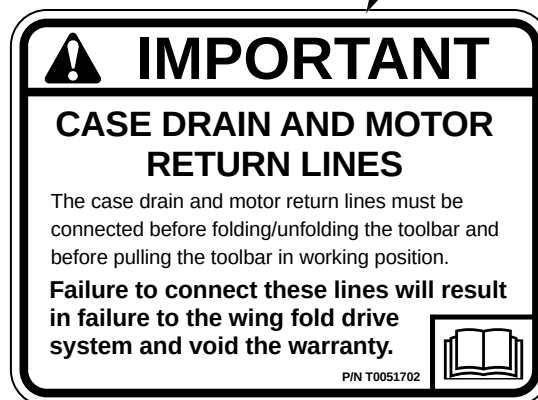
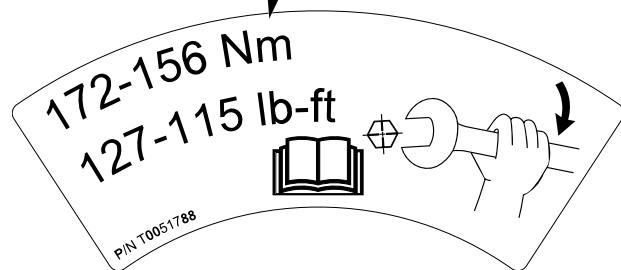
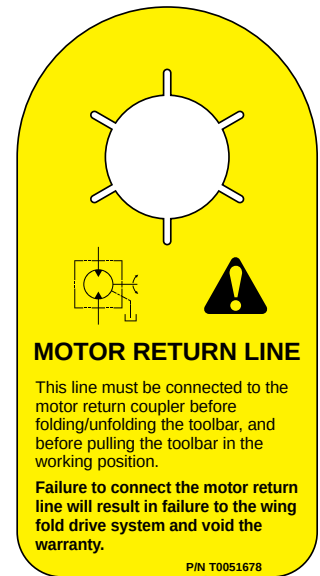
- Install transport locks on the left and right side main lift cylinders to avoid cylinders settling during servicing or transport.

Failure to comply could result in death or serious injury.

PIN T0051593

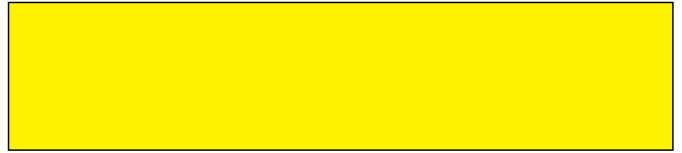
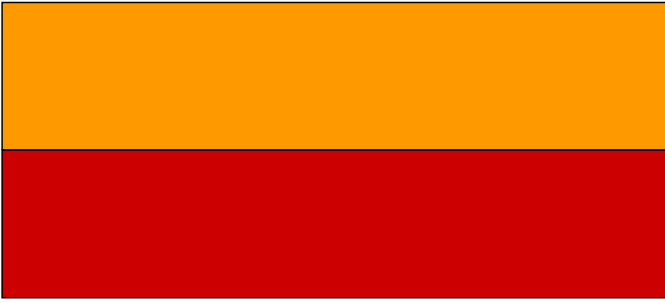
Safety Decals

ITEM	PART NUMBER	DESCRIPTION	QTY
1	T0051573	Decal, Warning - Machine Safety	1
2	T0051574	Decal, Warning-Machine Transport	1
3	T0051575	Decal, Warning-Tipping Hazard	1
4	T0051588	Decal, Warning - Crush Hazard	1
5	T0051589	Decal, Warning - Chemical Hazard	1
6	T0051591	Decal, Danger-Elec Haz-Warning Crush Haz	1
7	T0051592	Decal, Warning - Pressurized Hazard	1
8	T0051593	Decal, Warn-Trans Crush Haz Main Lift	1



Safety Decals

ITEM	PART NUMBER	DESCRIPTION	QTY
1	T0051595	Decal, Notice-Fan Motor Case Drain	1
2	T0051596	Decal, Warning - Ladder Lowering	1
3	T0051653	Decal, No Step	1
4	T0051669	Decal, Warning-Hyd Fluid Hazard	1
5	T0051678	Decal, Notice-Motor Return Line	1
6	T0051686	Decal, Warn-Trans Crush Haz Cradle Lift	1
7	T0051702	Decal, Important-Case Drain Mot Ret	1
8	T0051737	Decal, Warning, Crush Haz Service Wing Wheel	1
9	T0051788	Decal, Torque Bolt-Row Marker	1



Safety Decals (Reflective)			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	T0051727	Decal, Reflector,Red,Orange-2x18	1
2	T0051729	Decal, Reflector,Yellow-2x9	1

TITAN

1

2

YIELDTRAC BAR

120 BULK FILL SYSTEM

3

4

YIELDTRAC 24R-22

7

YIELDTRAC

YIELDTRAC

24R-22

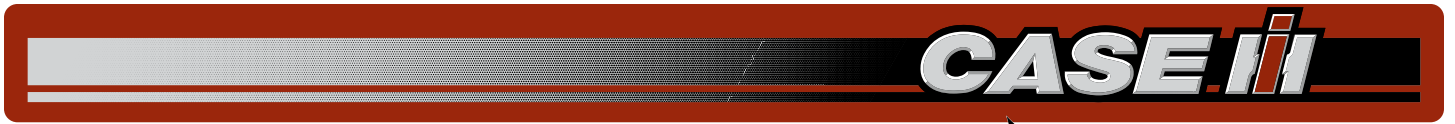
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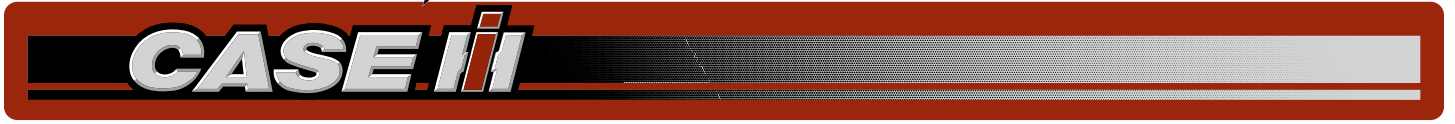
24R-22

Product Decals			
ITEM	PART NUMBER	DESCRIPTION	QTY. PER MACHINE
1	T0051442	Decal, Titan 6x28.1	2
2	T0051443	Decal, Yieldtrac Bar 4.4x47.1	2
3	T0051449	Decal, 120 Bulk Fill System - 2.7x42.9	2
4	T0051453	Decal, Yieldtrac 24R-22 - 3.8x48.2	2
5	T0051664	Decal, YieldTrac With Arch LH	1
6	T0051665	Decal, 24R-22 LH	1
7	T0051663	Decal, YieldTrac With Arch RH	1
8	T0051666	Decal, 24R-22 RH	1



2

1



3

EARLY RISER



4



EARLY RISER

Product Decals			
ITEM	PART NUMBER	DESCRIPTION	QTY. PER MACHINE
1	T0051527	Decal, Case IH 5.75x70-LH	1
2	T0051528	Decal, Case IH 5.75x70-RH	1
3	T0051489	Decal, Early Riser Planter-LH	1
4	T0051542	Decal, Early Riser Planter-RH	1

Torque – Hydraulic tubes and fittings

Standard torque data for hydraulic tubes and fittings

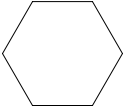
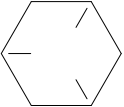
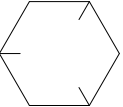
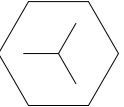
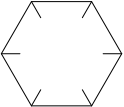
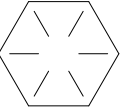
Tube Nuts for 37° Flared Fittings								O-Ring Boss Plugs, Adjustable Fitting Lock Nuts, Swivel JIC - 37 ° Seats			
Size	Tubing OD		Thread Size	ft-lbs		Nm		ft-lbs		Nm	
	Inches	mm		Min	Max	Min	Max	Min	Max	Min	Max
4	1/4	6.4	7/16-20	9	12	12	16	6	10	8	14
5	5/16	7.9	1/2-20	12	15	16	20	10	15	14	20
6	3/8	9.5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

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

NOTE: 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				

NOTE: 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	635
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

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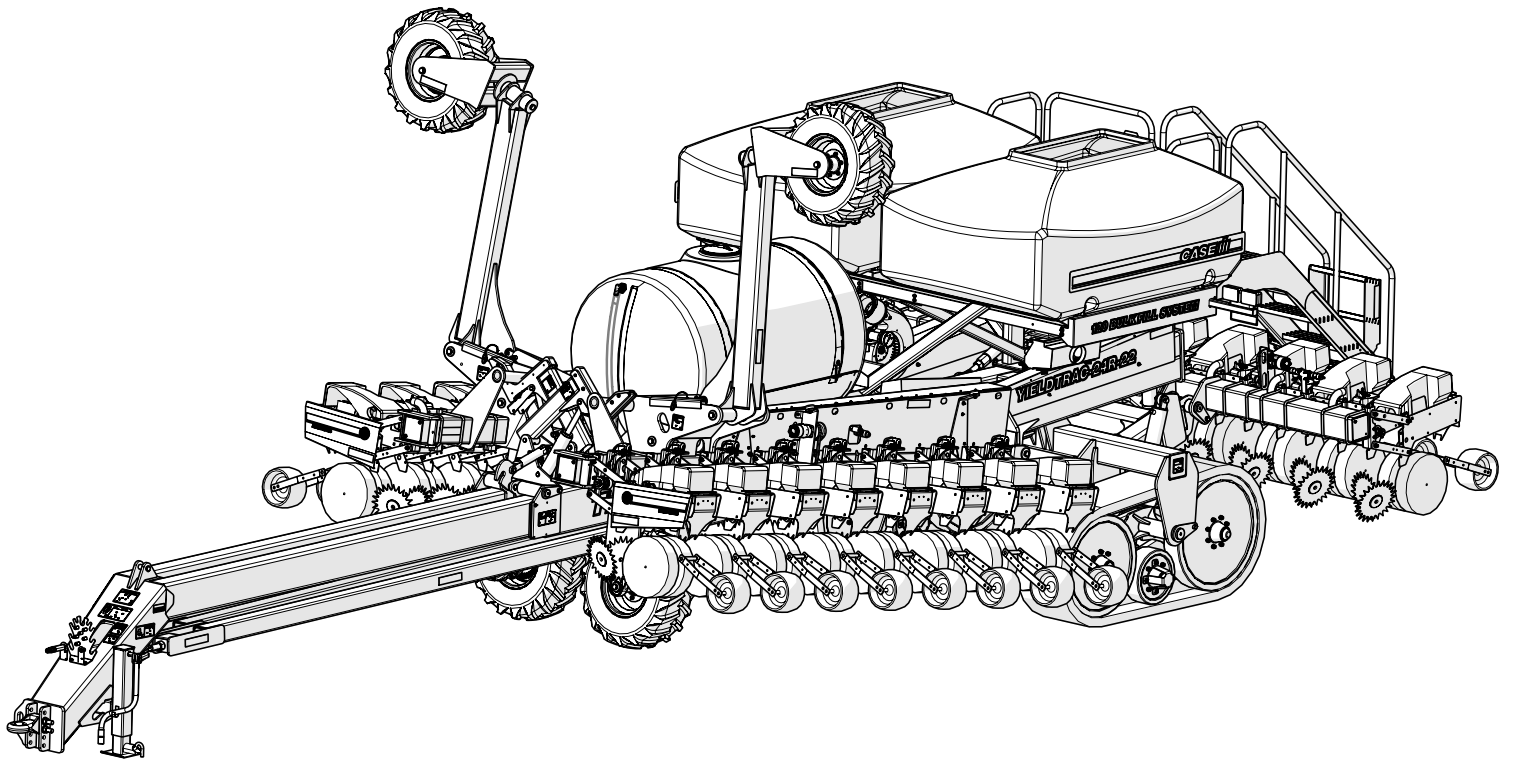
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