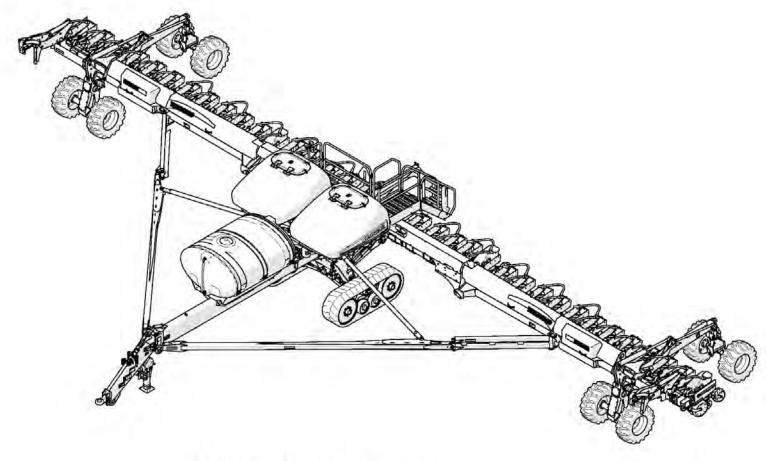
YIELDTRAC



Yieldtrac Planter Bar 48R-15

48 Row 15" Spacing (1200 Series) Front Fold Trailing Planter

Year 2019 Model

Parts Catalog

Part number T0056282 1st edition English July 2019



Disclaimer

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

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Read and Understand



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

Preface

This parts catalog is intended for use with the Norwood Sales Inc. Yieldtrac Planter Bar 48R-15.

Revision History

Issue T0056282 Date July 24th, 2019 Reasons for Change Release

HOW TO USE THIS CATALOG AND LOCATE PARTS

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

Option 1:

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

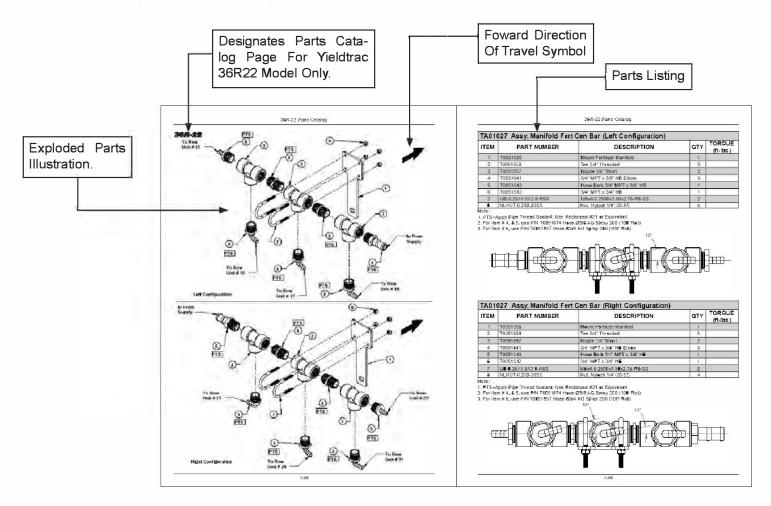
Option 2:

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

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

48R-15

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



Determining Orientation:

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

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



PARTS ORDERING INFORMATION

If you need service or parts for your machine:

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

REPLACEMENT PARTS

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

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

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

Model Number / Serial Number Location

Always give your authorized Norwood dealer the model number and serial number of your Yieldtrac Planter 48R-15 product when ordering parts, requesting service, or any other information to provide the most efficient service.

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

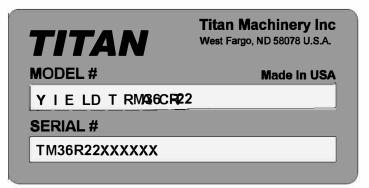


Fig. # 1-1 Model Number / Serial Number Decal

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

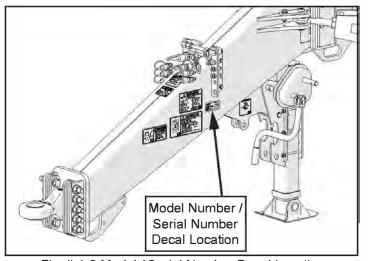


Fig. # 1-2 Model / Serial Number Decal Location

Case IH Planter Content Model Number / Serial Number Location

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

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

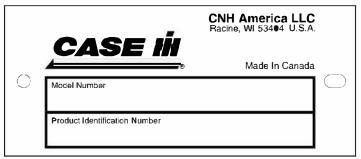


Fig. # 1-3
Model Number/Serial Number Decal

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

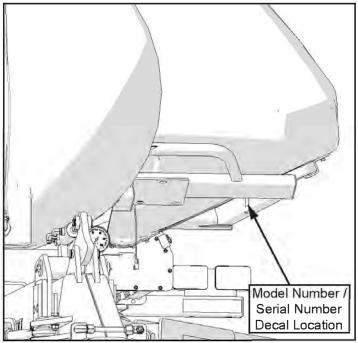
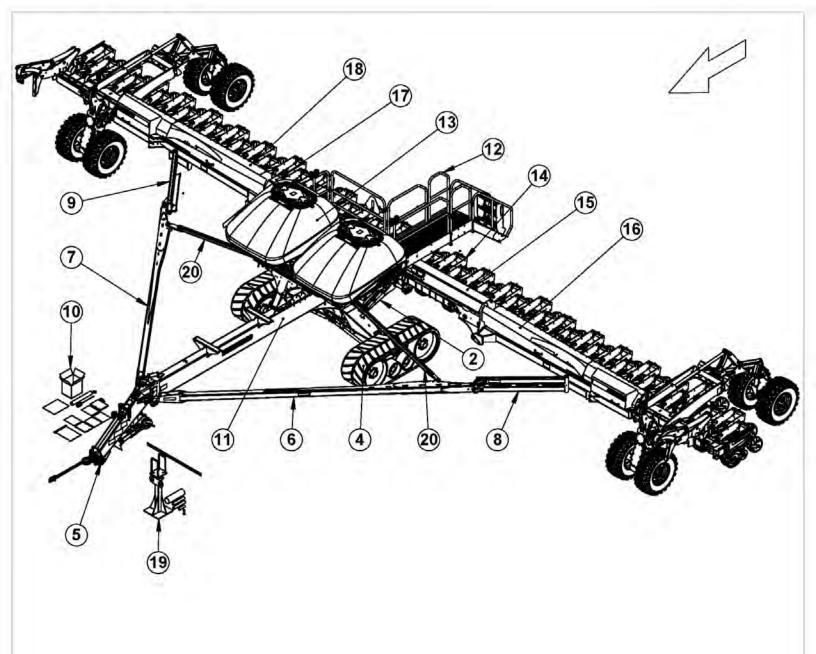
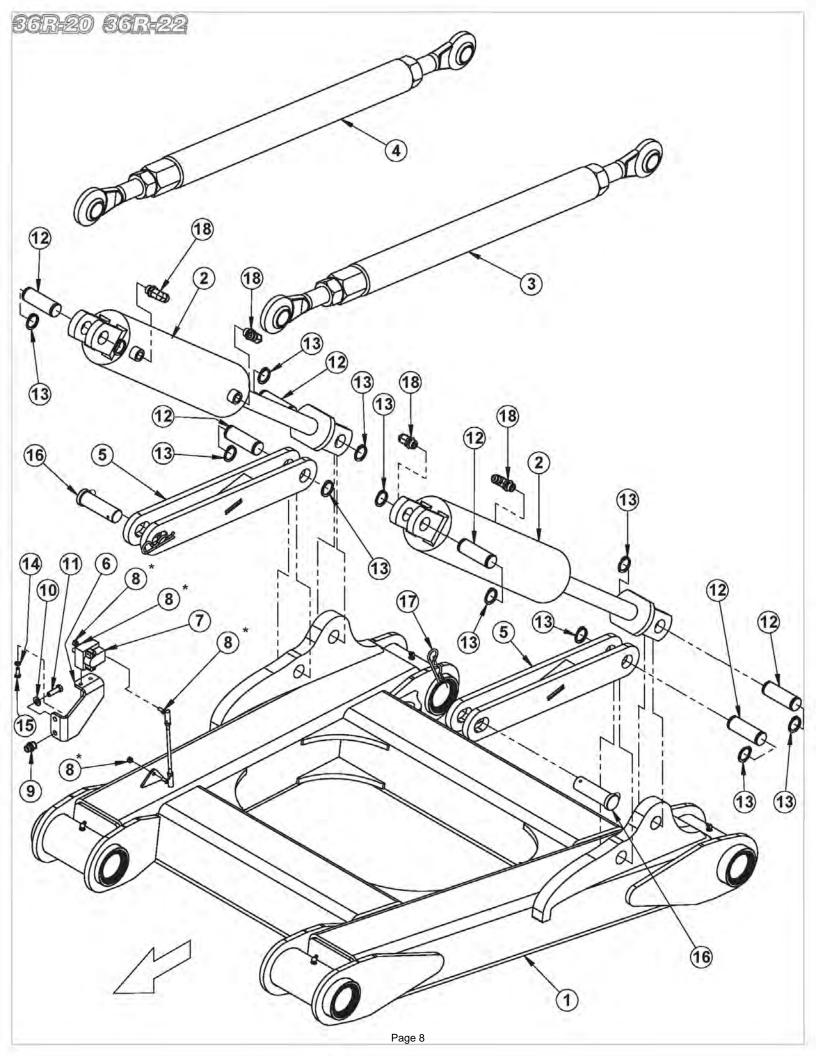


Fig. # 1-4 Model / Serial Number Decal Location On Bulk Fill Assembly



TA02	061 Yieldtrac 48R15 (1200)			
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0052223	Tow Bar Knuckle Machined	2	
2	TA01206	Assy, Complete Lift	1	
3	TA01238	Cylinder, Hyd 3.50X7.25 Sens	1	
4	TA01240	Assy, 24" Tracks	1	
5	TA01277	Assy, Front Hitch	1	
6	TA01354	Assy, Tow Bar	1	
7	TA01354	Assy, Tow Bar	1	
8	TA01360	Assy, Tow Bar Gate - LH	1	
9	TA01361	Assy, Tow Bar Gate - RH	1	
10	TA01579	Operator's Package 2017 48R15	1	
11	TA01669	Assy, 60' Main Frame (120")	1	
12	TA01708	Assy, Ladder Platform w/ 24" Ext	1	
13	TA01806	Bulk Fill Assy (2000)	1	
14	TA02062	Assy, 48R15 Center Bar	1	
15	TA02063	Assy, 48R15 LH Stub Arm	1	
16	TA02064	Assy, 48R15 LH Wing	1	
17	TA02065	Assy, 48R15 RH Stub Arm	1	
18	TA02066	Assy, 48R15 RH Wing	1	
19	TA02067	Assy, Bulk Material 48R15	1	
20	TVV001214	Widmt, Control Link	2	
21	TW001327	Widmt, Cylinder Mount	1	

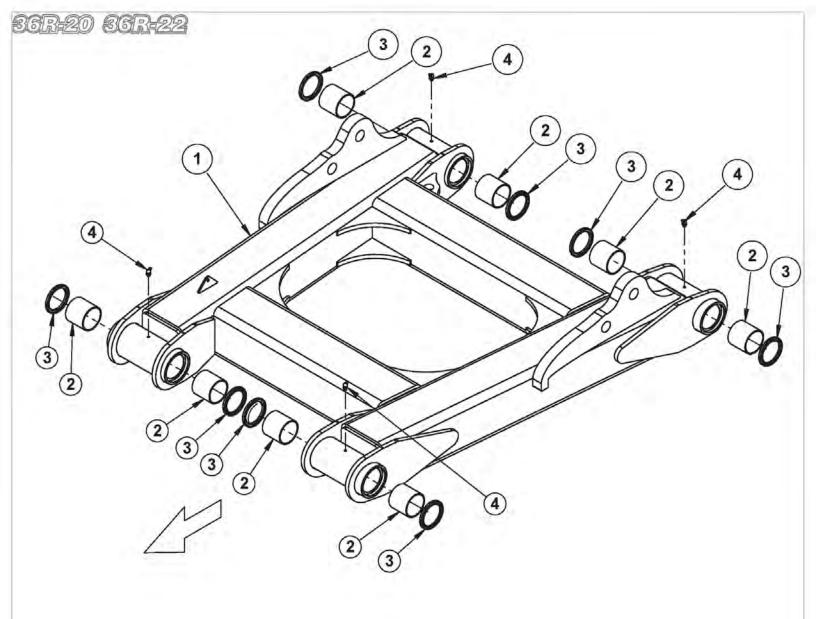
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA01206 Assy, Complete Lift

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01214	Assy, Main Lift	1	
2	TA01234	Cylinder, Hyd 4.5X14.00 Reph	2	
3	TA00613	Upper Link Assy	1	
4	TA00613	Upper Link Assy	1	
5	TW001171	Widmt, Cylinder Stop Link	2	
6	T0053846	Bracket, Height Sensor	1	1 2 2 2
7	404202A1	Sensor Rotary Position	1-1-	
8	TA00630	Assy, Position Sensor Link	1	
9	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	2	
10	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	1 3
11	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	2	
12	PIN-1.250X3.25Y	Pin-1.2500x3.250-YZ	6	
13	SRING-EXT-HD-1.25Y	SRING-EXT-HD-1.25Y	12	
14	LW-0.250Y	Washer, Split Lock 1/4" YZ	2	
15	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	2	
16	CLPIN-1.250X4.00Y	Clevis Pin, Ø1.25" X 4" YZ	2	
17	HPINCLIP-1.250Y	Hair Pin Clip-Ø1.2500" YZ	2	
18	AD-08MJ-08MB-90	ADAPTER 08MJ-08MB 90	4	

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

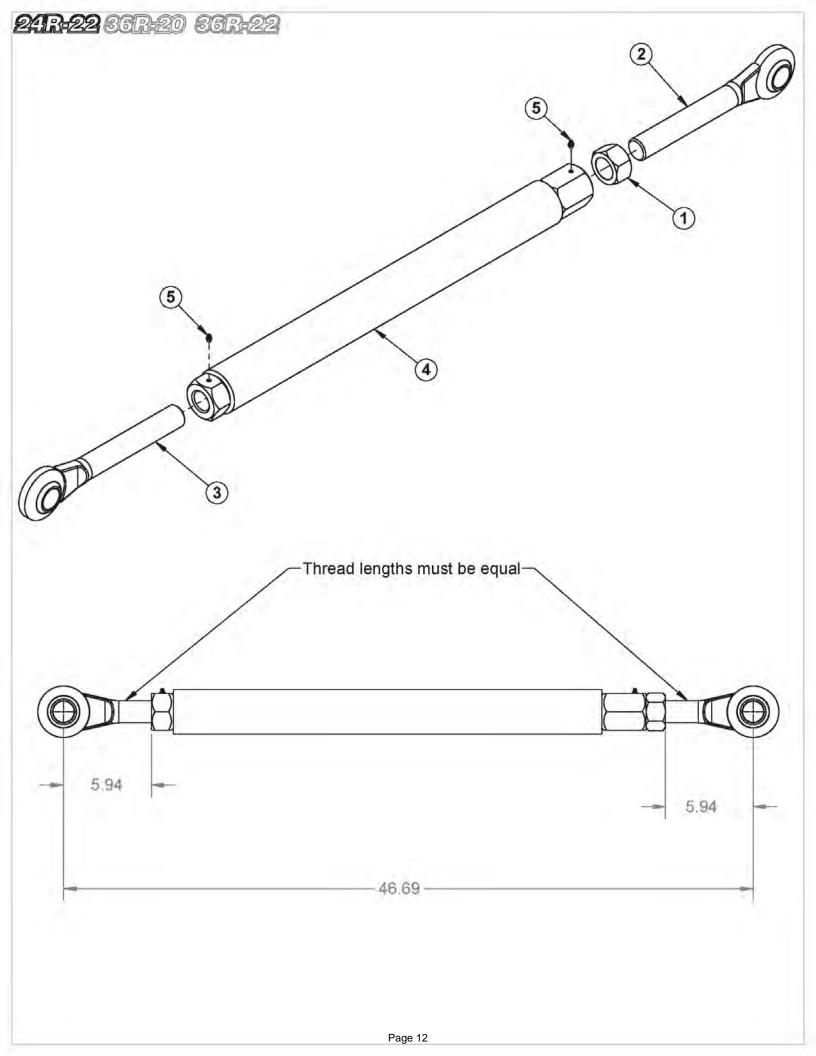


TA01214	Assv.	Main Lif	ft
	AJJy,	IVICITI LI	

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

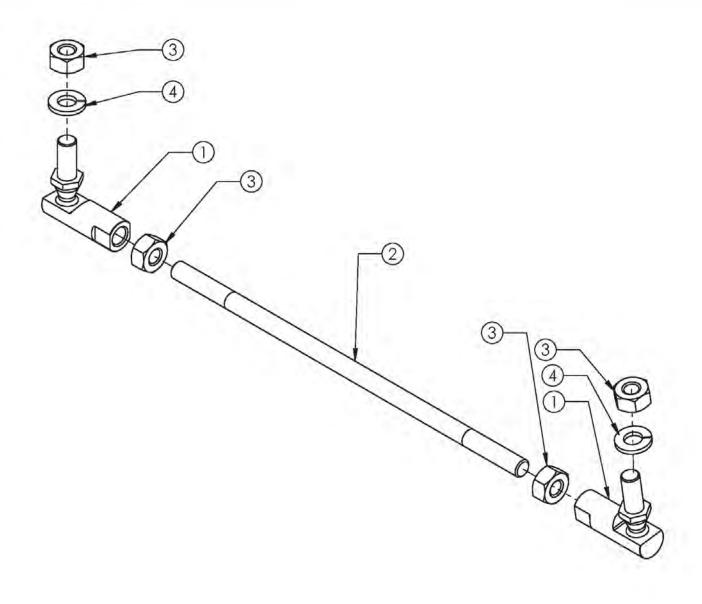
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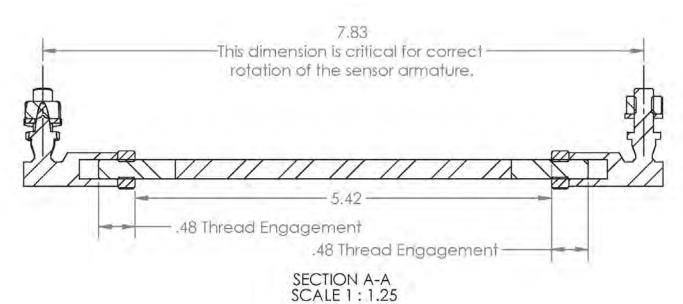
1. T=XXX = Torque, and is expressed in ft-lbs.



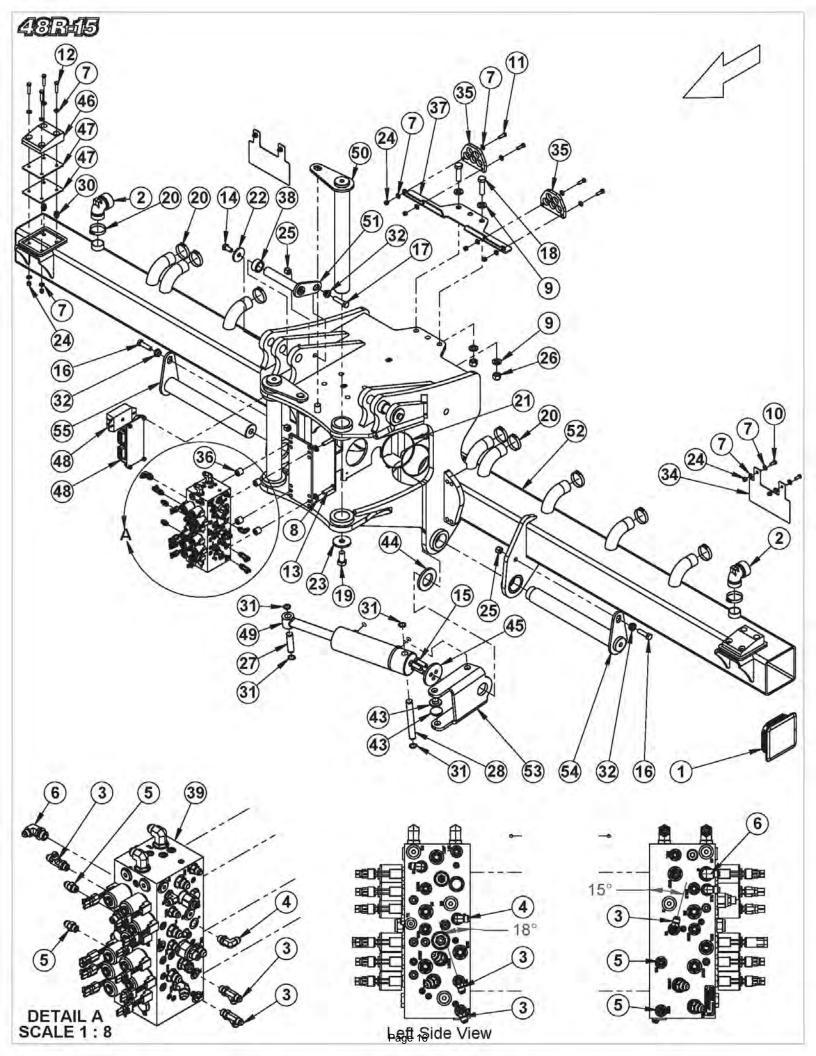
TA00613 Upper Link As

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





TA006	TA00630 Assy, Position Sensor Link					
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)		
1 -	BJ-0.250-28X90Y	BJoint-0.2500-28x90-YZ	2			
2	BJROD-0.250-28X6.38Y	BJoint-Rod 1/4-28x6-3/8-YZ	1			
3	HNUT-0.250-28Y8	Nut, Hex 1/4-28 YZ8	4			
4	LW-0.250Y	Washer, Split Lock 1/4" YZ	2			

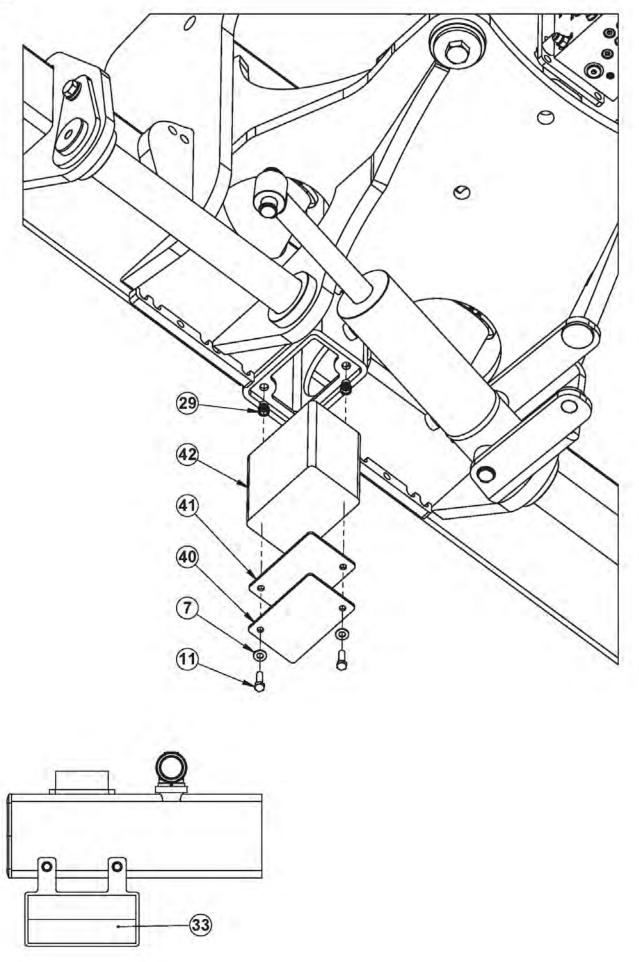


TA02062 Assy, 48R15 Center Bar

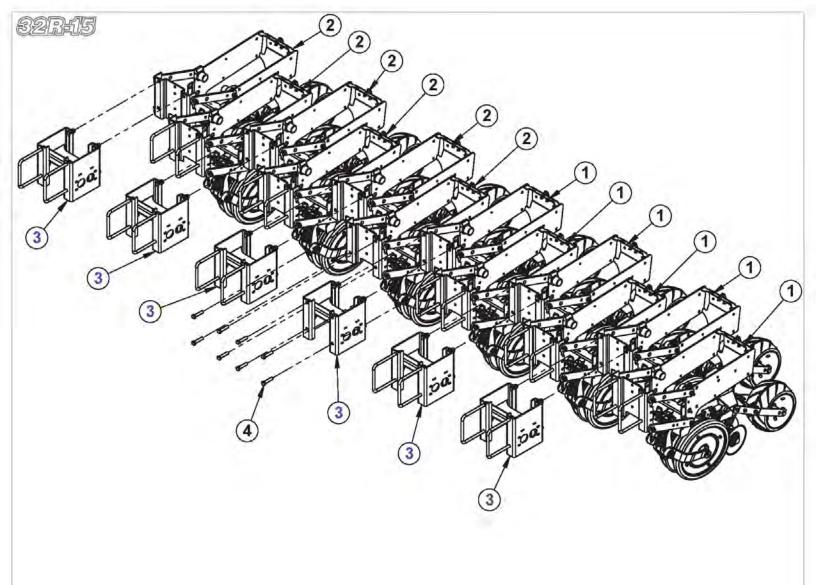
ITEM	PART NUMBER	PART NUMBER DESCRIPTION		TORQU (ft-lbs)
1	48106381	Vacuum Plug, 7" Sq	2	(15.160)
2	84416530	Elbow, Vacuum	2	
3	AD-06MJ-06MB-06MJ	AD-06MJ-06MB-06MJ	3	
4	AD-06MJ-06MB-90	ADAPTER 06MJ-06MB 90	1 1	
5	AD-06MJ-06MB	ADAPTER D6MJ-06MB	2	
6	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	1	
7	FW-SAE-0,375Y	Washer, Flat SAE 3/8" YZ	30	
8	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	4	
9	FW-SAE-0,750Y	Washer, Flat-SAE 3/4 YZ	4	
10	HB-0.375-16X0.88Y8	Bolt, Hex Hd 3/8-16x7/8-YZ8	4	
11	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	6	
12	HB-0.375-16X1.75Y8	Bolt, Hex Hd-3/8-16x1-3/4-YZ8	8	
13	H8-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	4	
14	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
15	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	3	
16	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
17	H8-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	2	
18	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4-YZ8	2	
19	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	3	
20	HCLMP-SAE-32SS	HClamp-SAE-32-SS	12	
21	HCLMP-SAE-612SS	HClamp-SAE-612-SS	2	
22	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	1
23	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00		
24	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZB	12	
25	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	4	
26	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8 2		
27	PIN-1 000X3.38Y	PIN-1,000X3.38Y	1	
28	PIN-1.000X7.625Y	Pin-1.0000x7.6250-YZ	1	1
29	RN-0.375-161531Y	Rivnut, 3/8-16, 150-312 YZ	2	
30	RN-0,375-16-,31-,44-Y	Rivnut, 3/8-16 UNC .3144 GR	4	
31	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	4	
32	T0050854	Anti Rotation Insert	4	
33	T0051727	Decal, Refl Red, Orange-2x18	2	
34	T0051736	Brckt, Rear Row Unit Reflector	2	+
35	T0052450	Guide, Hose Seed Tube Cen Fr	2	1
36	T0052525	Spacer, L&F Valve	4	
37	T0054208	Brkt, Seed Hose Mtg	1	+
38				1
	T0054320	Spacer	2	-
39	T0054378	Valve Assy, Lift & Fold	1	
40	T0054651	Clean Out Cover	+(I) =	
41	T0054652	Seal, Clean Out Cover	1	
42	T0054653	Foam Block	1	
43	T0055394	UHMW Bumper	2	
44	T0055395	Washer	1	
45	T0055396	Cap Washer	11	
46	T0056151	Block, Slider	2	
47	T0056152	Shim, Slider	4	
48	TA01099	Assy, ECU	1	
49	TA01238	Cylinder, Hyd 3.50X7 25 Sens	1	
50	TW001008	Pin Weldment	2	
51	TW001110	Pin Weldment 2.		
52	TW001129	Widmt, 48R15 Side Shift Center Bar	h + (1)+ ±	
53	TW001327	Widmt, Cylinder Mount	1	
54	TW001328	Pin, Side Shift	1	
55	TW001329	Pin Weldment	1	

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

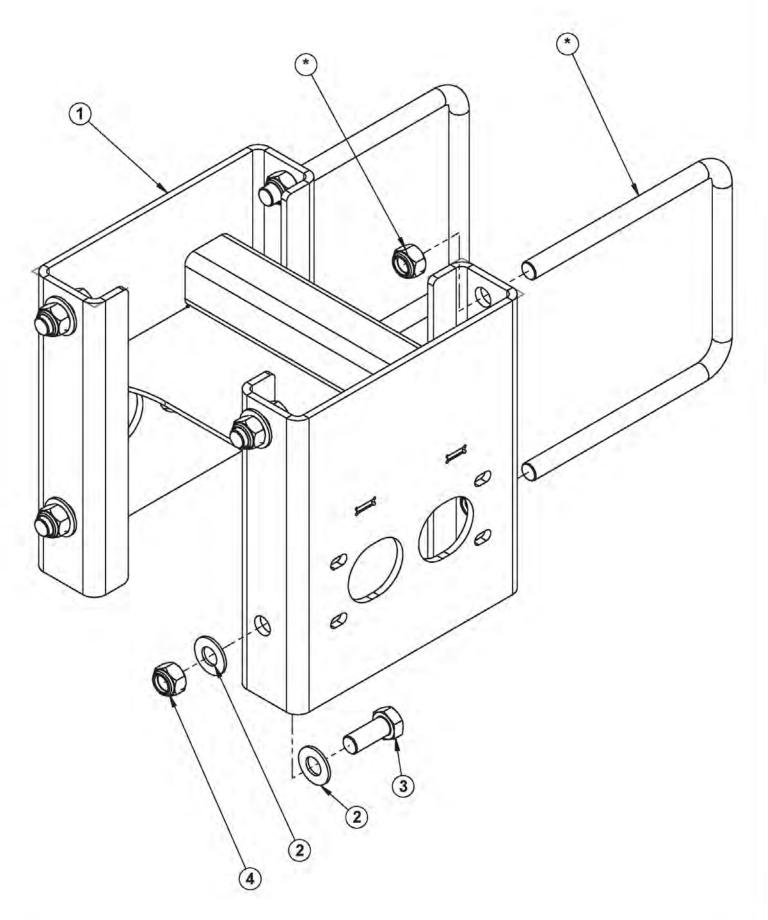




ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
7	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	30	3,200
11	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	6	
29	RN-0.375-161531Y	Rivnut, 3/8-16 .150312 YZ	2	
33	T0051727	Decal, Refl Red, Orange-2x18	2	
40	T0054651	Clean Out Cover	1	
41	T0054652	Seal, Clean Out Cover	1	
42	T0054653	Foam Block	1 1	



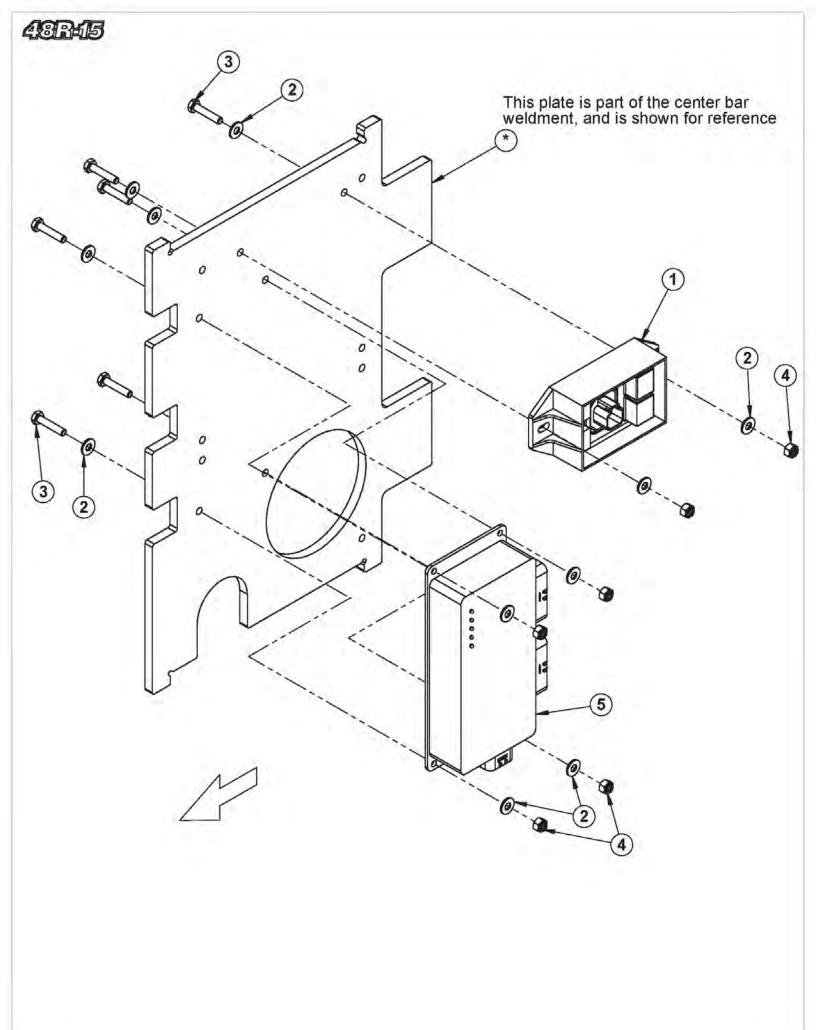
TA01816 Assy, 32R15 Center Bar RUs					
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)	
1	47892033	LH Row Unit	6	1273000	
2	47892036	RH Row Unit	6		
3	TA01134	Assy, Row Unit Extention	6		
4	TB-0.625-11X2.75Y8	TBolt-5/8-11x2.75-YZ8	8		



TA01134	Assy,	Row Unit	Extention
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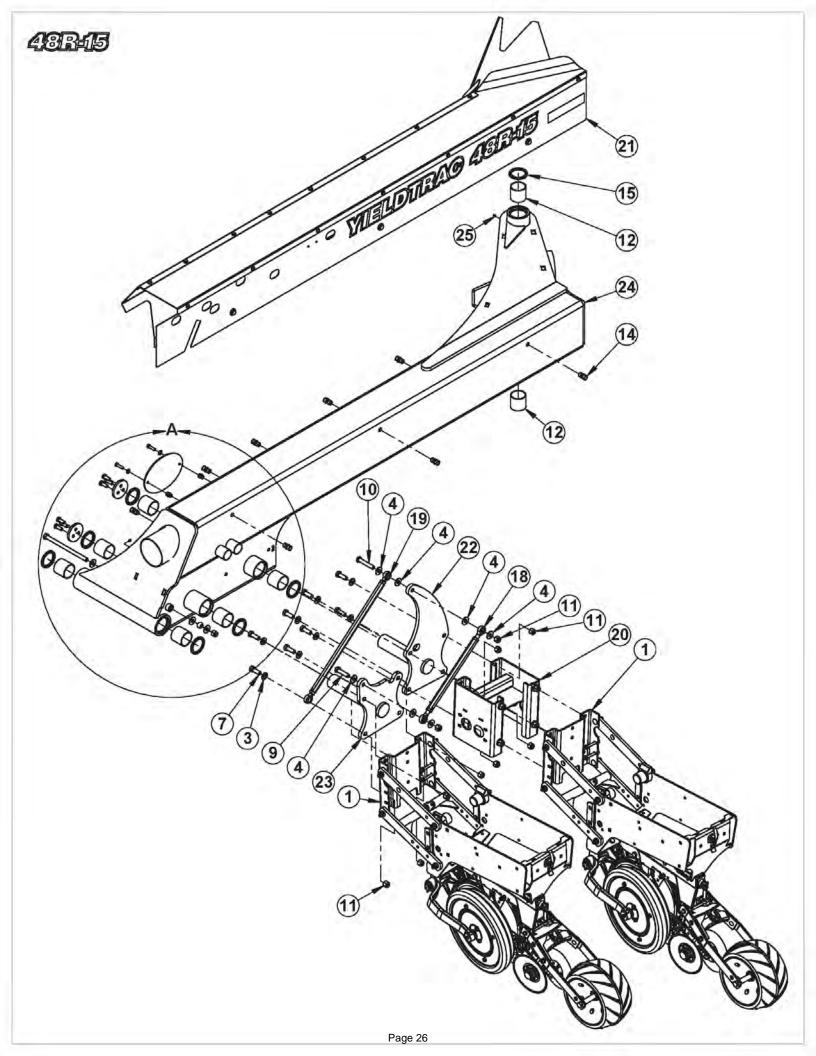
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TVV001078	RU Offset Brkt Weld	1	
2	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
3	HB-0.625-11X1.50Y8	HBolt-0.6250-11x1.500-YZ8	4	
4	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	4	

Notes:
1. * Items marked with an asterisk are items that are included in a seperate assembly



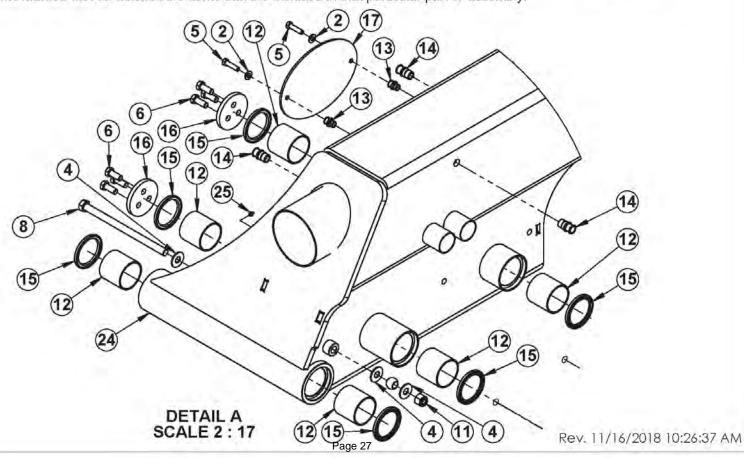
TA01099 Assy, ECU				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	86561136	Module, Impl Lighting Control	1	1-12-1-1
2	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	12	
3	HB-0.250-20X1.25Y8	Bolt, Hex Hd 1/4-20x1-1/4-YZ8	6	
4	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	6	
5	T0053878	ISO Frame ECU	1	

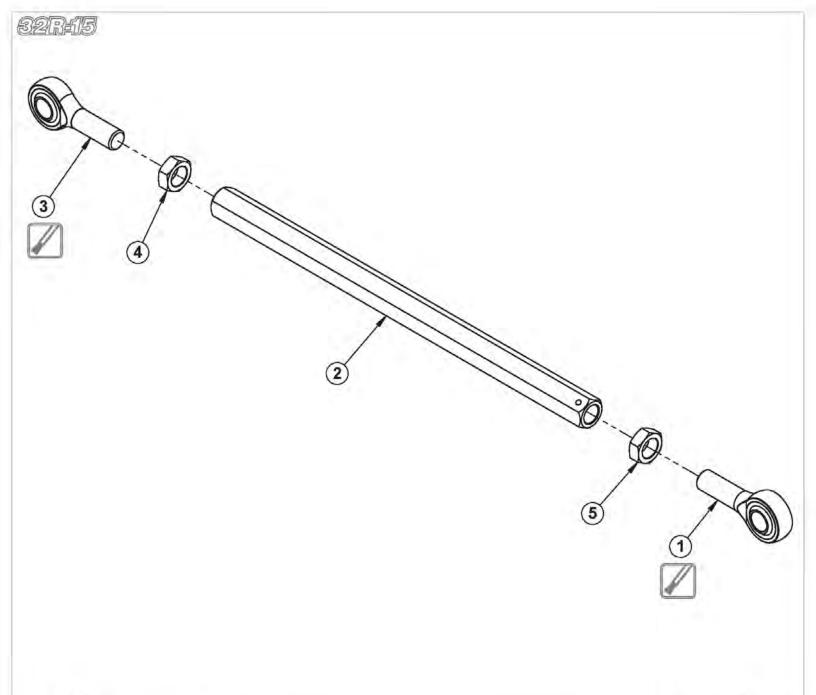
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. Harnesses are not included in this isometric representation for the assembly.

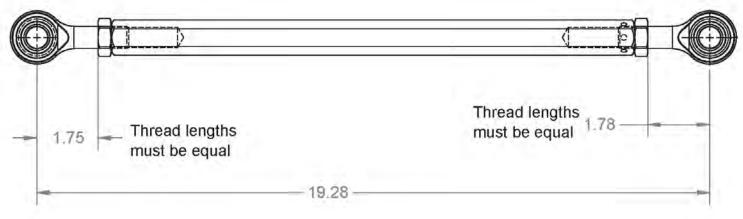


ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47892033	LH Row Unit	2	(10100)
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
3	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
4	FW-USS-0.563YTH	Washer, FI 9/16 USS Th-Hrd YZ	10	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	2	
6	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	6	
7	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	8	
8	HB-0.625-11X10.00Y8	Bolt, Hex Head-5/8-11x10.0-YZ8	1	
9	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
10	HBSH-0.625-11X3.50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	1	
11	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	11	
12	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	8	
13	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	2	
14	RN-0.500-133550Y	Rivnut, 1/2-13 .350500 GR	8	
15	T0051584	2.50 Grease Seal	7	
16	T0054041	Washer, RU Pivot	2	
17	T0054514	Cover, Vacuum Inlet	1	
18	TA01108	Tie Rod Assy	1	
19	TA01109	Tie Rod Assy	-15	
20	TA01134	Assy, Row Unit Extention	1 1	
21	TA02068	Assy, 48R15 LH Stub Arm Shield	1	
22	TV/001069	Row Unit Pivot Weld	1	
23	TV/001071	Row Unit Pivot Weld	1-1-	
24	TVV001331	Wldmt, 48R15 LH Stub Arm	1	
25	ZERK-0.250-28	Zerk, 1/4-28	2	

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



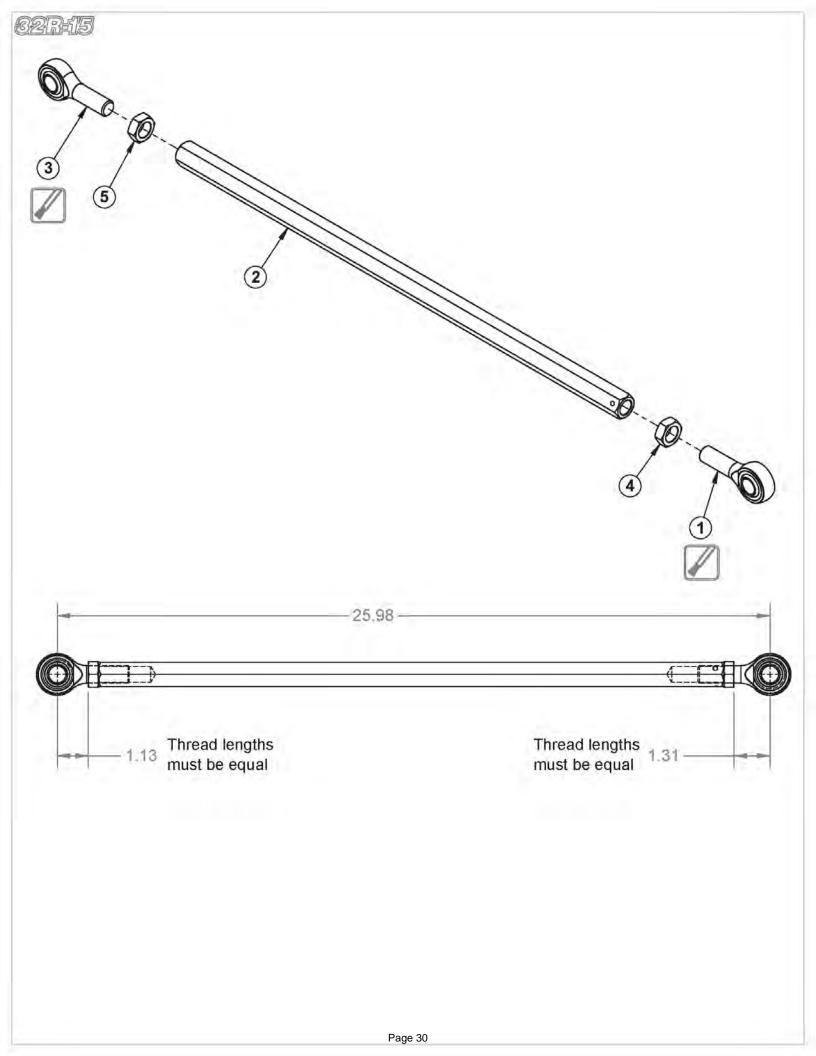




ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	JNUT-0.625-18Y8	Nut, Jam-5/8-18-YZ8	1	1
2	JNUT-0.625-18Y8LH	Nut, Jam-5/8-18-YZ8LH	-1:	
3	T0054050	Turn Buckle	-1	
4	TA01106	Rod End RH	11	
5	TA01107	Rod End LH	1	

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

TAN1108 Tie Rod Assy

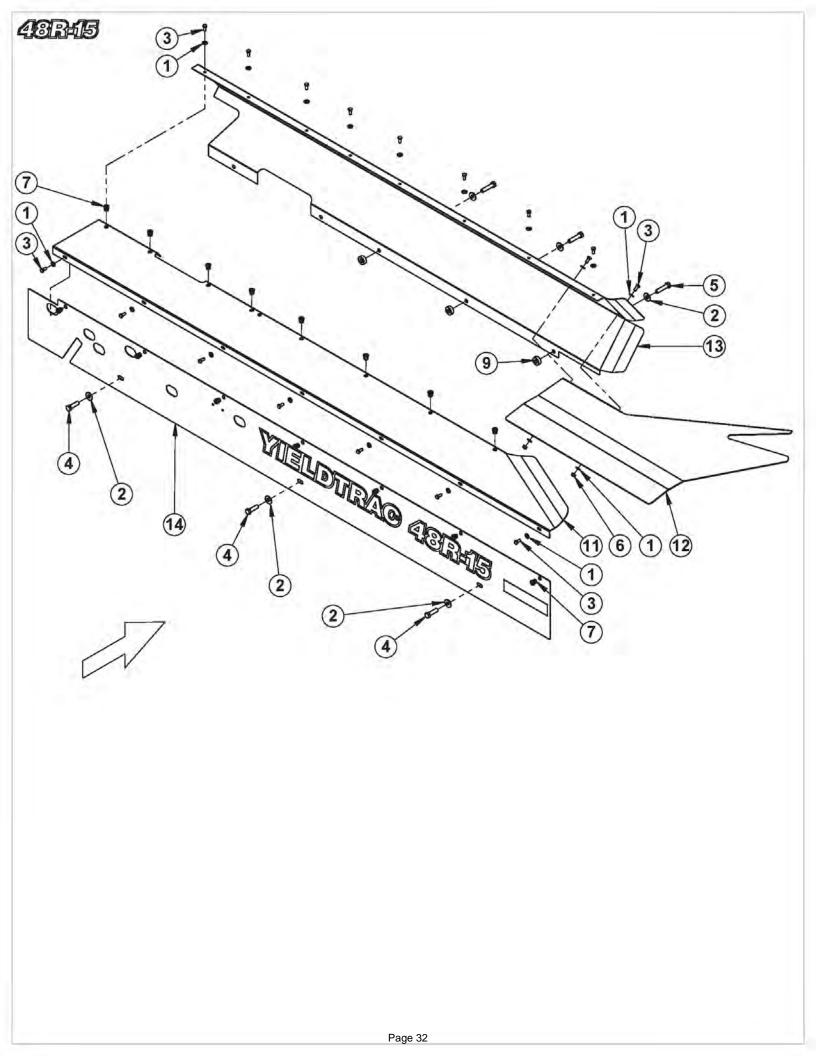


TA01109	Tie Rod Assy
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ITEM	PART NUMBER	DESCRIPTION	QTY. TORQUE
1	JNUT-0.625-18Y8	Nut, Jam-5/8-18-YZ8	11
2	JNUT-0.625-18Y8LH	Nut, Jam-5/8-18-YZ8LH	- 1 - 1
3	T0054051	Turn Buckle	1 1
4	TA01106	Rod End RH	11
5	TA01107	Rod End LH	1

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

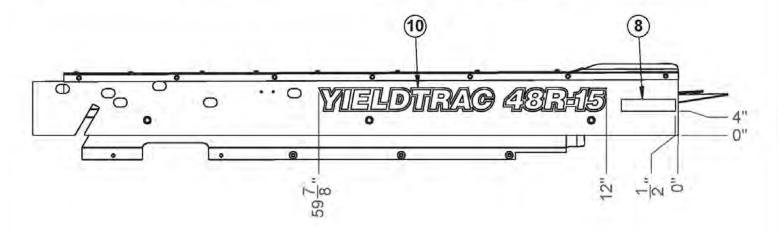
Apply anti-sieze on threads before assembly.

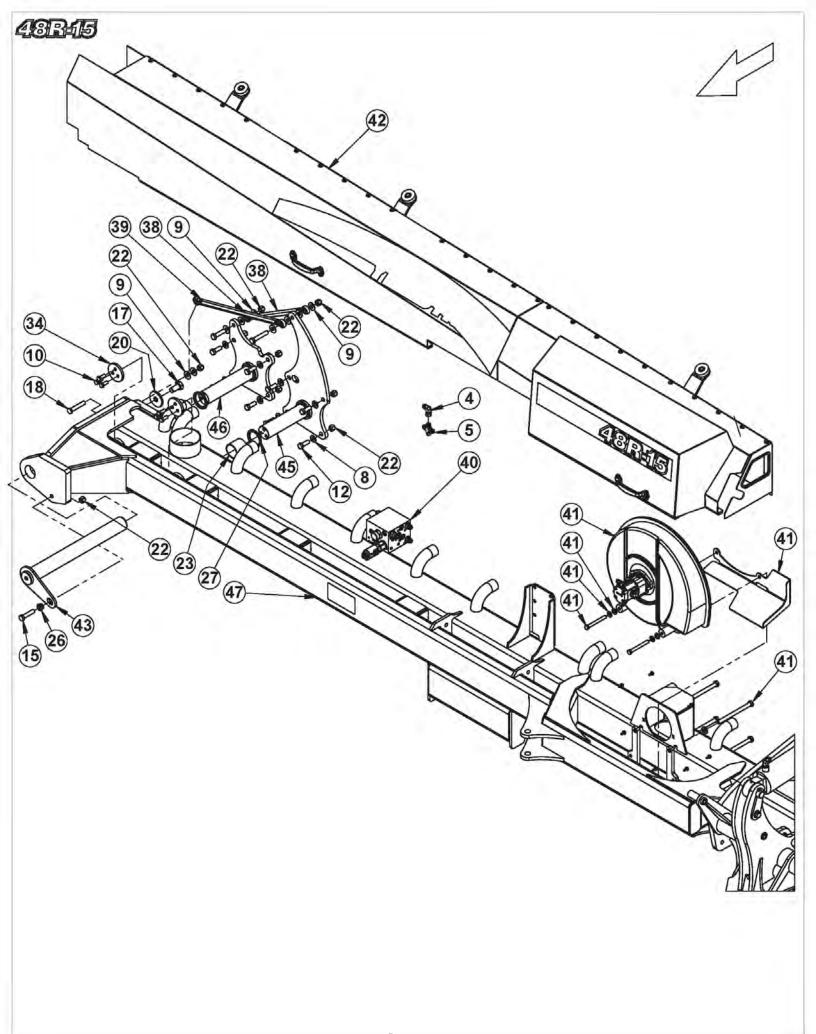


TA02068 Assy, 48R15 LH Stub Arm Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-USS-0.250Y	Washer, Flat USS 1/4" YZ	19	1.45.44
2	FW-USS-0.438Y	Washer, Flat-USS 7/16-YZ	8	
3	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4-YZ8	17	
4	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	3	
5	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	5	
6	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
7	RN-0.313-180315Y	Rivnut, 5/16-18 UNC .027150	15	
8	90-44-0410	Decal, Reflector, Yellow-2x9	1	
9	T0052276	Spacer	3	
10	T0054100	Decal, Yldtrac 48R15-3.8x47.9	1	
11	T0054643	Cover, LH Stub Arm	1 1	
12	T0054825	Shelf, LH Seed Hose	1	
13	T0054823	Shield, LH Stub Arm Front	1	
14	T0055420	Panel, Stub Arm Back	1	

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

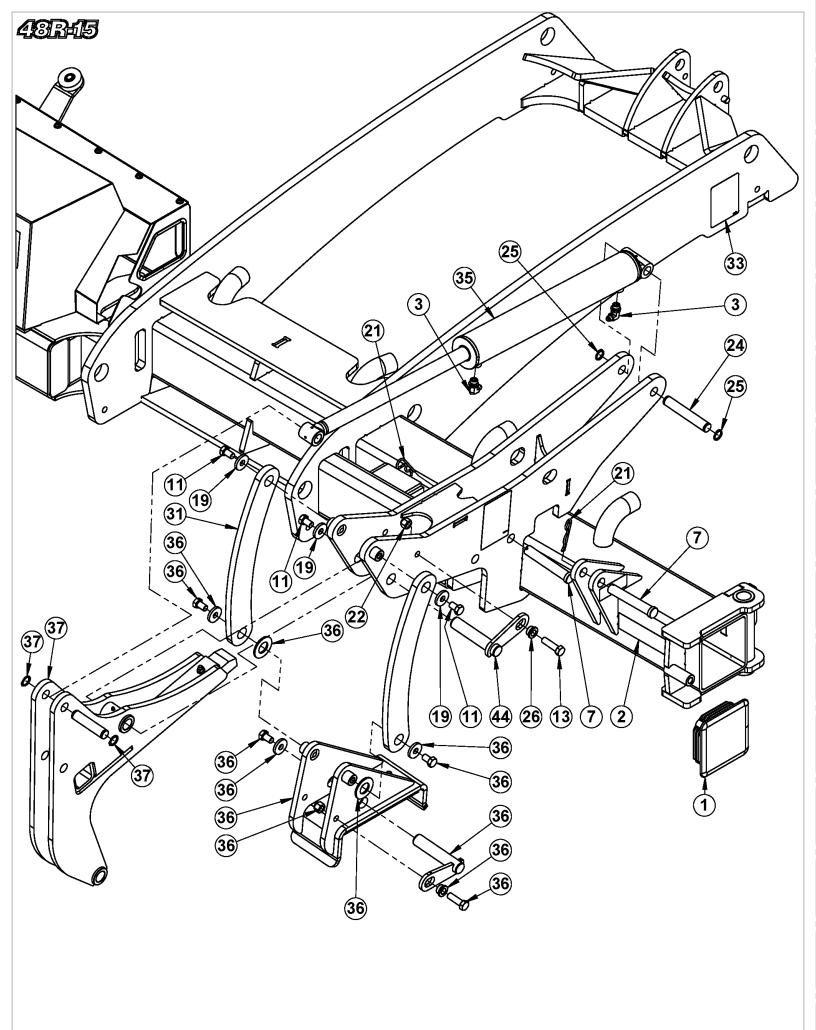




TA02064 Assy, 48R15 LH Wing (Sheet 1 of 4)

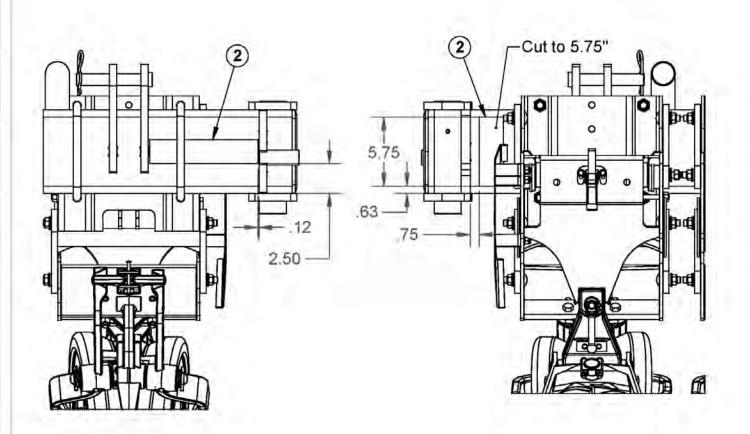
TEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	48106381	Vacuum Plug, 7" Sq	- v -	/II-INS/
2	90-44-0410	Decal, Reflector, Yellow-2x9	2	
3	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
4	AD-08MJ-08FJX-90	ADAPTER 08MJ-08FJX 90	1	
5	AD-08MJ-CROSS	ADAPTER 08MJ CROSS		
6	ASB-10T	Rod End Ball	4	
7	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	2	
8	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
9	FW-USS-0.563YTH	Washer, FI 9/16 USS Th-Hrd YZ	9	
10	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	6	
11	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
12	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	8	
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
14	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
15	HB-0.625-11X2.75Y8	Bolt, Hex Head-5/8-11x2.75-YZ8	1	
16	HB-0,625-11X3,50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	- 1	
17	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	1	
18	HBSH-0.625-11X3.50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	1	
19	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
20	HDWSH-0,89X3.00Y	HD Washer 0.89 x 3,00	1	
21	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	2	
22	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	13	
23	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	4	
24	PIN-1,000X5.75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1,00Y	2	
26	T0050854	Anti Rotation Insert	2	
27	T0051584	2.50 Grease Seal	4	
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051737	Decal,Warn CrshHaz Serv WngWhl	-1-	
30	T0052826	Decal, Notice Trans Lock	1 11	
31	T0053164	Linkage, Wing Lift	2	
32	T0053715	Decal, Warn Crush Haz Crdl Lift		
33	T0053942	Decal, Danger-Wing Crsh Hzd	n i	
34	T0054041	Washer, RU Pivot	2	
35	TA00963	Cylinder, Hyd 3.00X20.00	1 1	
36	TA00979	Assy, Wing Engagement	1	
37	TA00980	Wing Lift Assy	1 1	
38	TA01108	Tie Rod Assy		
39	TA01109	Tie Rod Assy	1	
40	TA01243	Assy, Valve LH Fan Meter Cntrl	1	
41	TA01245	Assy, Fan	1	
42	TA01689	Assy, 48R15 LH Wing Shield	1	
43	TW000611	Pin Weldment	1	+
44	TW000906	Pin Weldment	1	
45	TW001068	Row Unit Pivot Weld	- 1	
46	TW001030	Row Unit Pivot Weld	1	†
47	TVV001488	Widmt, 1200 48R15 LH Wing		+

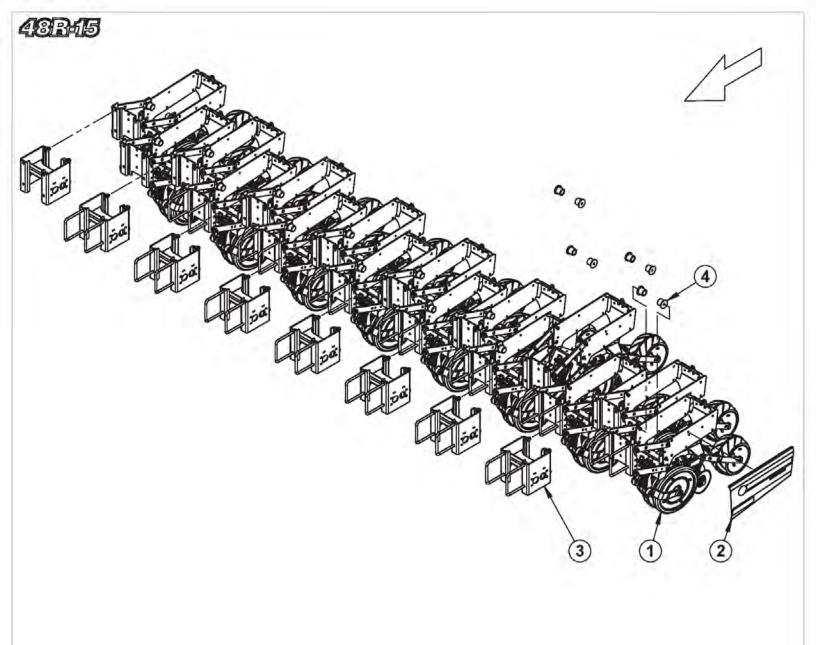
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA02064 Assy, 48R15 LH Wing (Sheet 2 of 4)

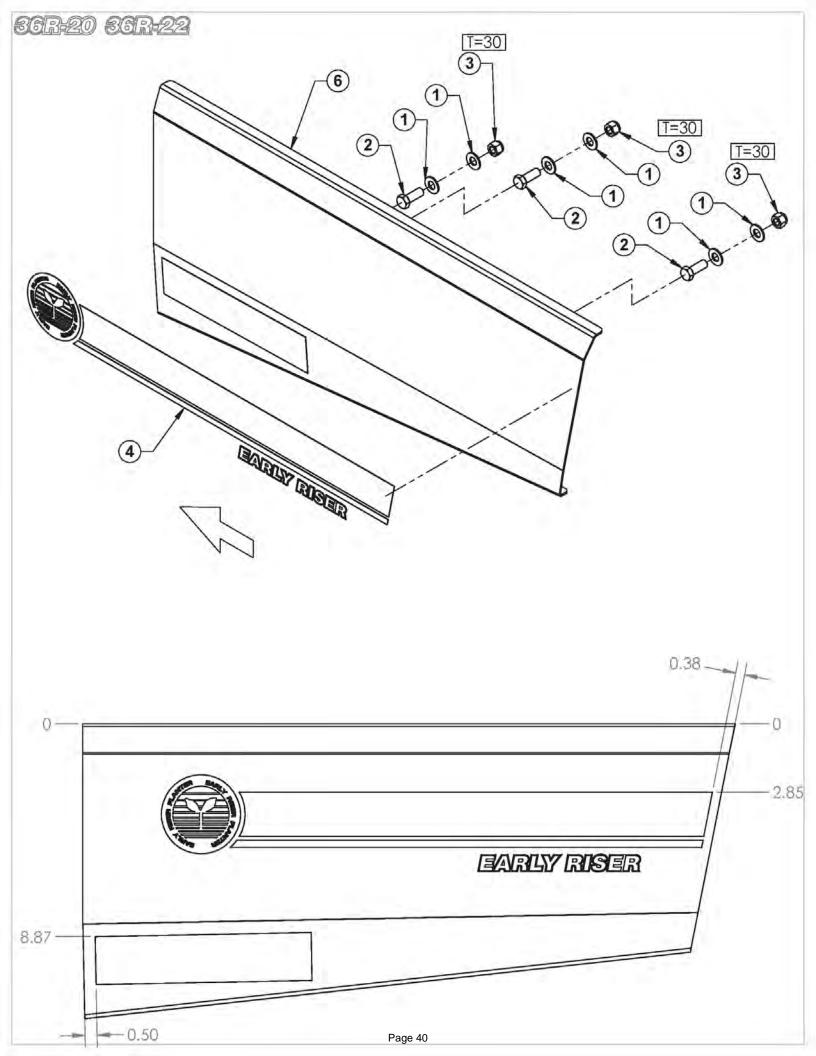
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	48106381	Vacuum Plug, 7" Sq	1	(11-100)
2	90-44-0410	Decal, Reflector, Yellow-2x9	2	
3	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
7	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	2	
11	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
19	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
21	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	2	
22	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	13	
24	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
26	T0050854	Anti Rotation Insert	2	
31	T0053164	Linkage, Wing Lift	2	
33	T0053942	Decal, Danger-Wing Crsh Hzd		
35	TA00963	Cylinder, Hyd 3.00X20.00	1	
36	TA00979	Assy, Wing Engagement	1	
37	TA00980	Wing Lift Assy	1	
44	TW000906	Pin Weldment	1	





ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47892033	LH Row Unit	16	
2	TA00669	Assy, Row Unit End Plate-LH	1	
3	TA01134	Assy, Row Unit Extention	8	
4	TW001077	Widmt, Meter Pivot Bushing	8	

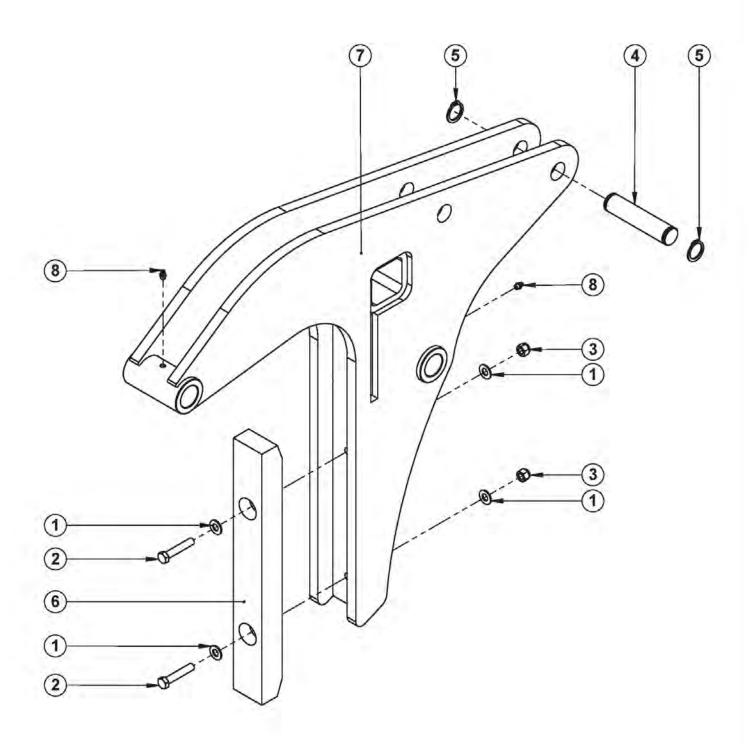
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA00669 Assy, Row Unit End Plate-LH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	6	
2	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	3	
3	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	3	30
4	T0051489	Decal, Early Riser Planter-LH	1	
5	T0051729	Decal, Reflector, Yellow-2x9	1	
6	TVV000669	Widmt, End Shield Row Unit-LH	111	

Note: T = Torque Expressed in ft-lbs



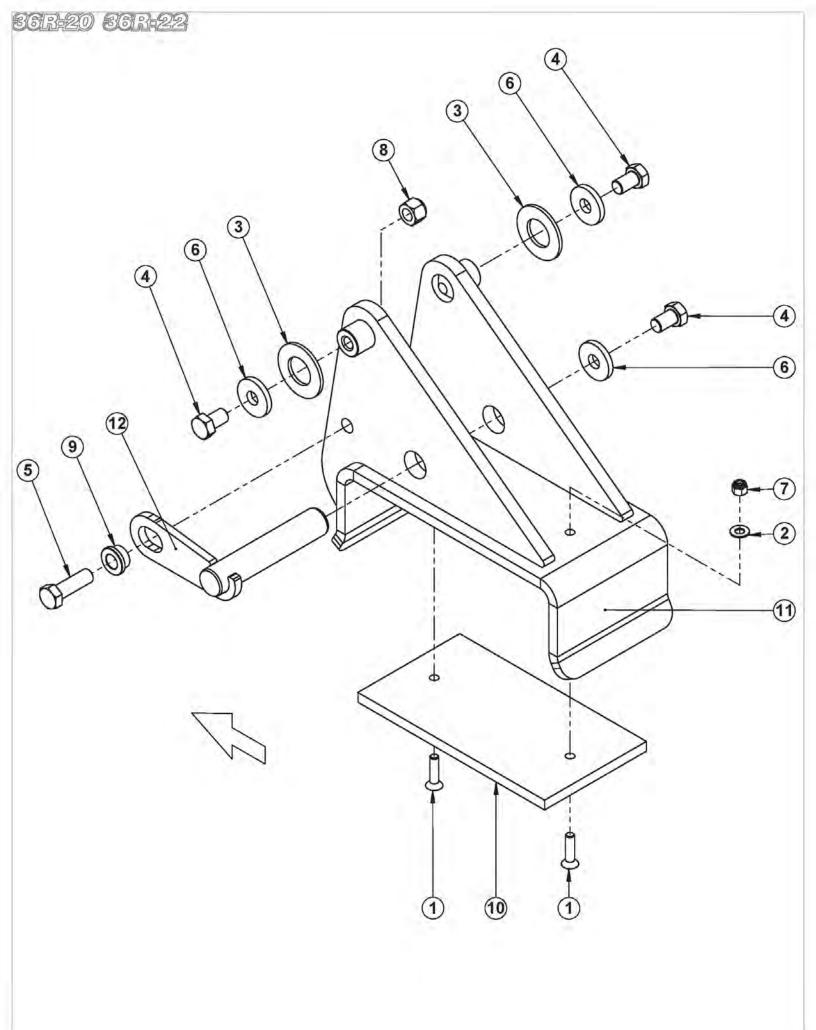
TA00980 Wing Lift Assy				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	
2	HB-0.375-16X2.00Y8	Bolt, Hex Hd 3/8-16x2-YZ8	2	
3	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	2	
4	PIN-1.000X4.13Y	PIN-1.000X4.13Y	1	
5	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
6	T0052755	Lift Pad	1	
7	TW000901	Widmt, Wing Lift	1	

Zerk, 1/4-28

8

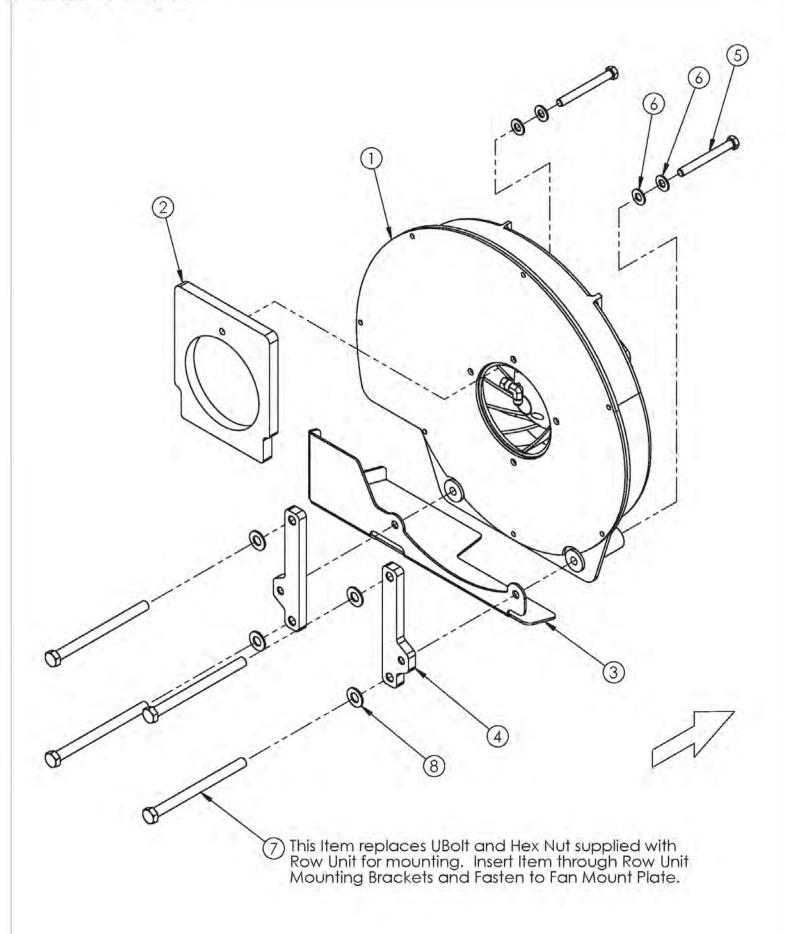
ZERK-0.250-28

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TA00979	Assy,	Wing	Engagement
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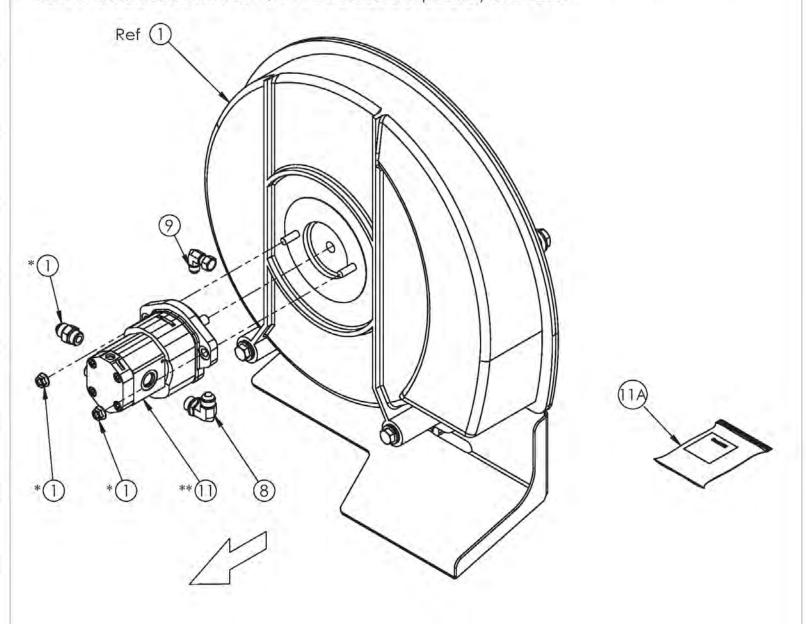
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FHSCS-0.375-16X1.50Y8	FHCS 3/8-16x1-1/2-YZ	2	
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
3	FW-SAE-1.250Y	Washer, Flat-SAE-1-1/4-YZ	2	
4	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
5	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	1	
6	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75 3		
7	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	2	
8	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
9	T0050854	Anti Rotation Insert		
10	T0053191	Pad, Wing Lift	1_1_	
11	TW000900	Widmt, Wing Engagement	1 1 - 1 -	
12	TW000906	Pin Weldment	111	

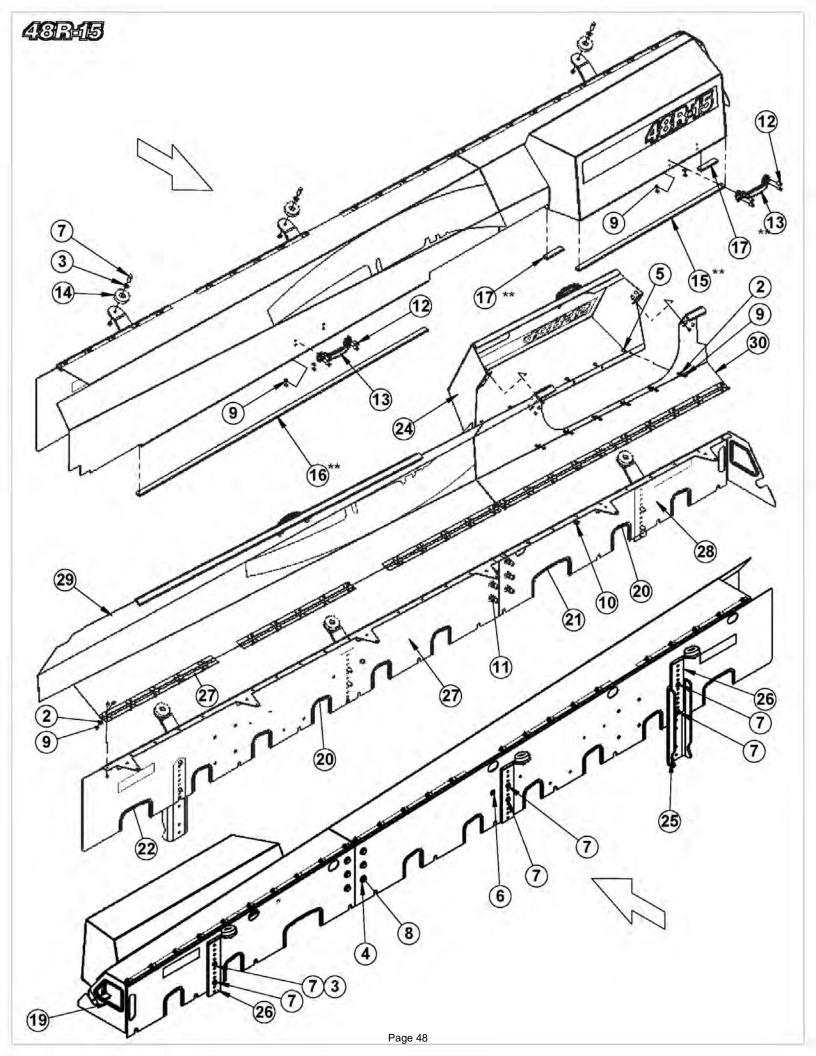


TA01245	Assy,	Fan
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01208	Fan, Vacuum w/Motor 6cc	1	1200
2	T0054664	Seal, Vac to Plenum	1	
3	TW000801	Wldmt, Fan Deflector	1	
4	T0054574	Mount, Row Unit/ Fan	2	
5	HB-0.500-13X4.50Y8	Bolt, Hex Hd 1/2-13x4-1/2-YZ8	2	
6	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ 4		
7	HB-0.625-11X8.00Y8	Bolt, Hex Hd-5/8-11x8-YZ8	4	
8	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
9	AD-08MJ-08MB-90	ADAPTER 08MJ-08MB 90		
10	AD-06MJ-06FJX-90	ADAPTER 06MJ-06FJX 90	1	
11	T0054396	Motor, Fan Drive 6cc	1 1	
11A	T0054656	Seal Kit, Fan Motor	1	

Note:* Items marked with an asterisk are items that are included in that particular part or assembly, ** Item 11 is included with Item 1, can be ordered separately if needed





ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	2	(IC-IDS)
2	FW-USS-0,250Y	Washer, Flat USS 1/4 YZ	36	
3	FW-USS-0.313Y	Washer, Flat USS 5/16 YZ	11	
4	FW-USS-0.438Y	Washer, Flat USS 7/16 YZ	6	
5	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2 YZ8	61	
6	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	1	
7	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2 YZ8	9	
8	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	6	
9	NLNUT-0.250-20Y8	Nylon Lock Nut, 1/4-20 YZ8	70	
10	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	4	
11	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	6	
12	OHPMS250-20X1,00SS	Screw, Phillips Oval Hd 1/4-20x1 SS	8	
13	T0051467	Handle	2	
14	T0051481	Rubber Stop	3	
15	T0051552	Sticker-Tite Rubber Gasket Cut Length 36.63"	1	
16	T0051552	Sticker-Tite Rubber Gasket Cut Length 72.25"	1	
17	T0051552	Sticker-Tite Rubber Gasket Cut Length 4.22"	2	
18	T0051664	Decal, YieldTrac With Arch LH	1	1
19	T0052395	Edge Trim, Shield	1	
20	T0052395	U-Trim, 3/8x1/16 (per ft)	7	
21	T0052395	Edge Trim, Shield	1	
22	T0052395	Edge Trim, Shield	1	
23	T0054103	Decal, 48R-15 LH	1	
24	T0054551	Cover, LH Wing Fan	1 - 1	
25	T0054582	Shield Mount	1 1	
26	T0054583	Mount, Shield Bumper	3	
27	T0055413	Panel, 48R15 LH Inner Back	1 1	
	Control of the contro			-

28

29

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T0055414

T0055428

T0055429

TA00851

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

Piano Hinge

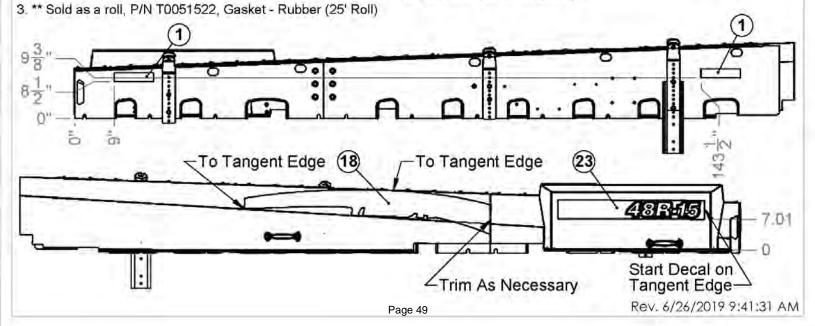
Panel, 48R15 LH Outer Back

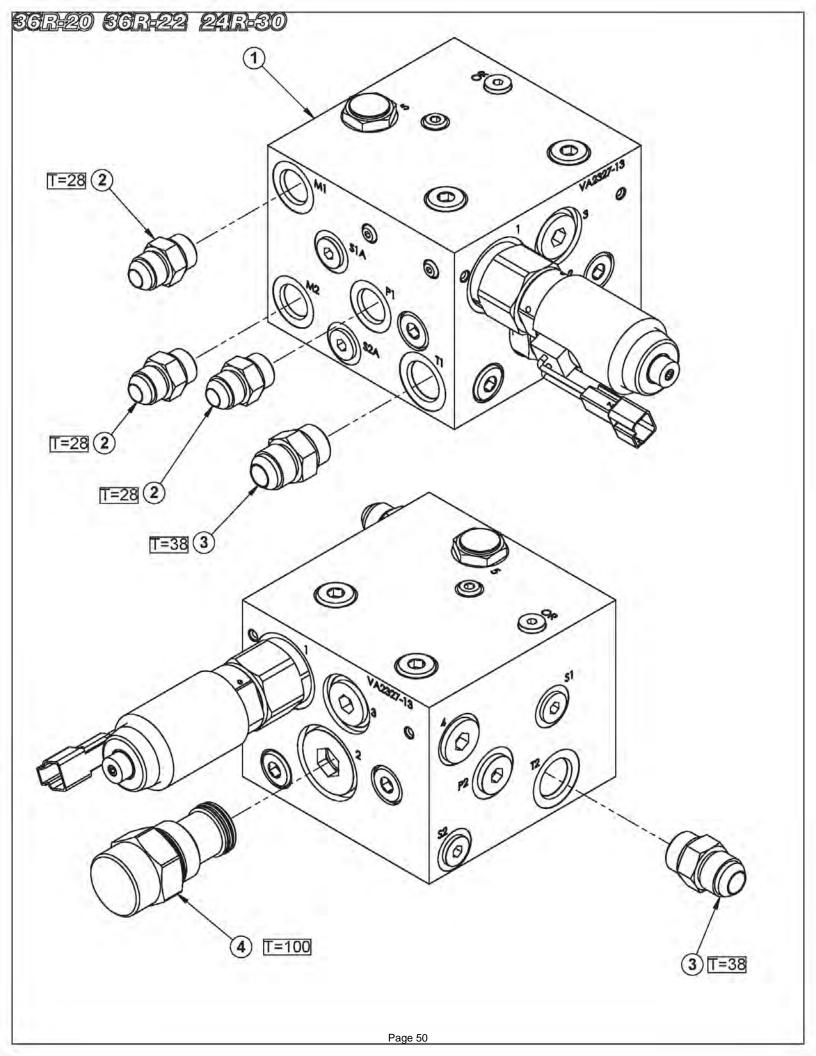
Shield, 48R15 LH Inner Wing Shield, 48R15 LH Outer Wing

1

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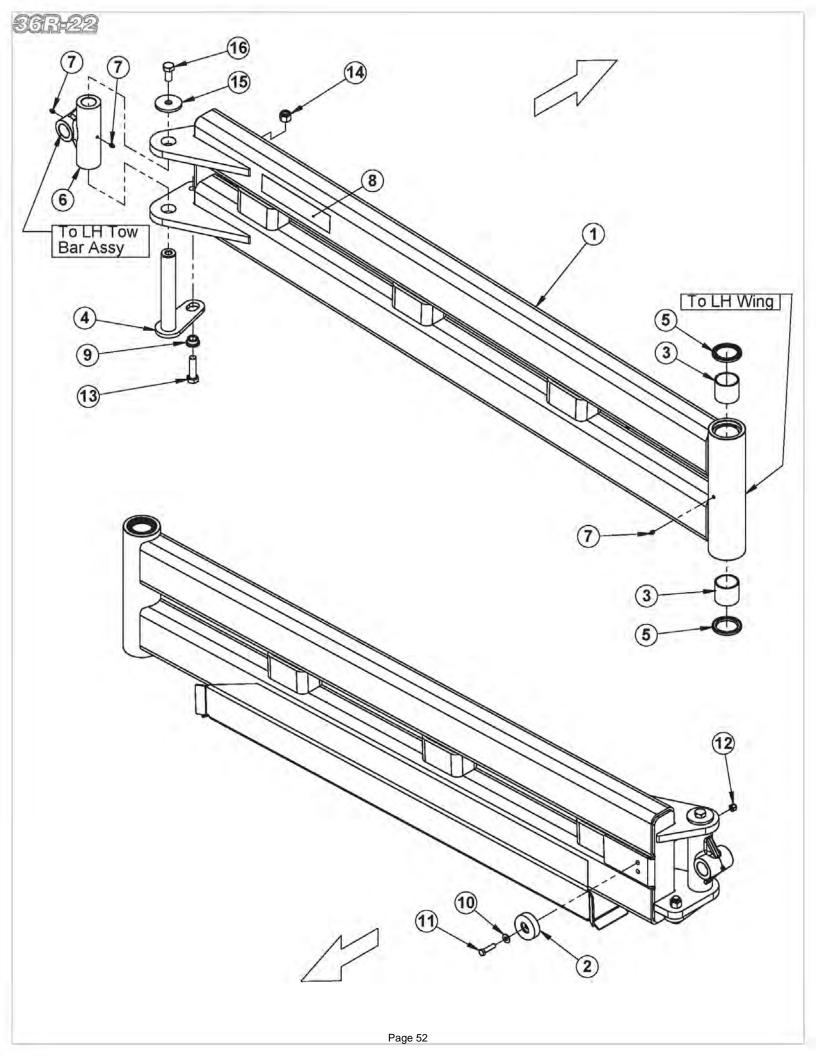
2. * Items marked with an asterisk are items that are included in that particular part or assembly.





IAUI	1AU1243 ASSY, Valve LH Fan Weter Chtri			
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0054381	Assy, Fan Ctrl Valve	1	Let Year
2	AD-08MJ-08MB	ADAPTER 08MJ-08MB	3	28
3	AD-10MJ-10MB	ADAPTER 10MJ-10MB	2	38
4	T0055197	Cartridge, Flow Control 9.0 GPM	1	100

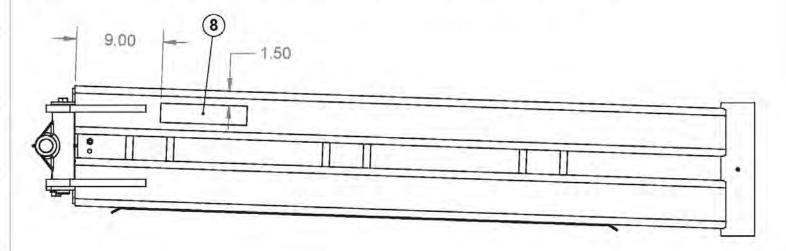
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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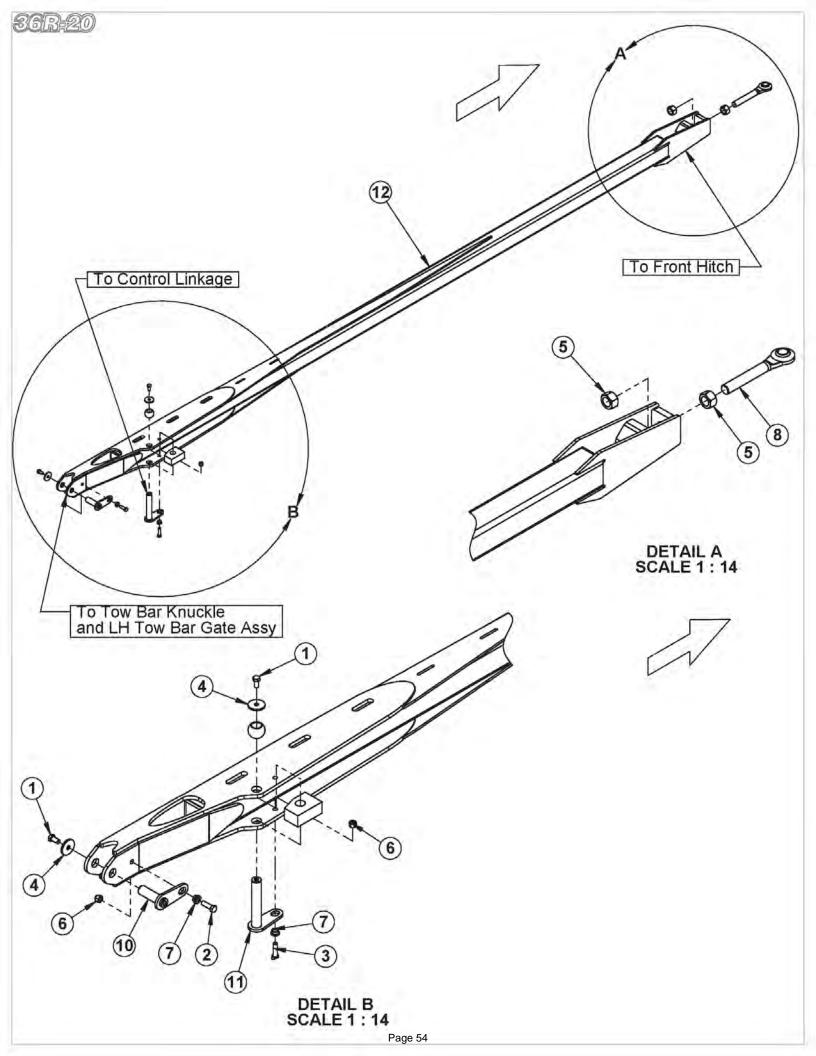


TA01360 Assy, Tow Bar Gate - LH

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW001215	Widmt, LH Towbar Gate	1	
2	T0051481	Rubber Stop	1	
3	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
4	TW000761	Pin Weldment	1	
5	T0051585	2.00 Grease Seal	2	
6	T0052223	Tow Bar Knuckle Machined	1	
7	ZERK-0.250-28	Zerk, 1/4-28	3	
8	T0051729	Decal, Reflector, Yellow-2x9	1	
9	T0050854	Anti Rotation Insert	11	
10	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	1	
11	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	1	
12	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	1	
13	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
14	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
15	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	1	
16	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	1	

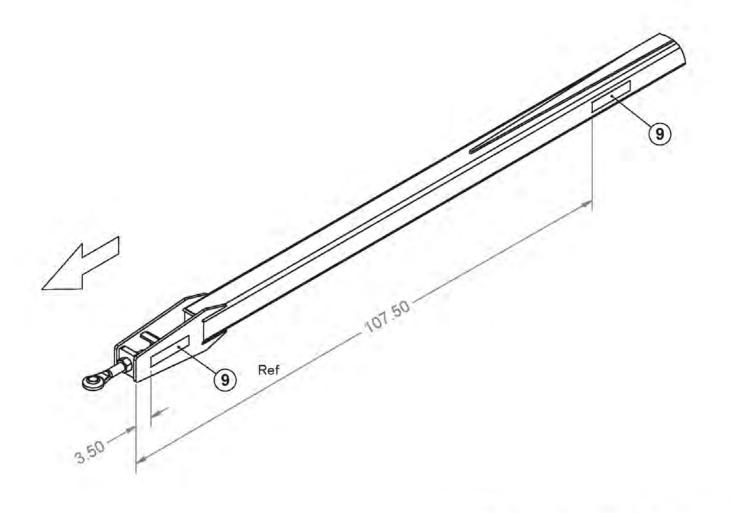
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.

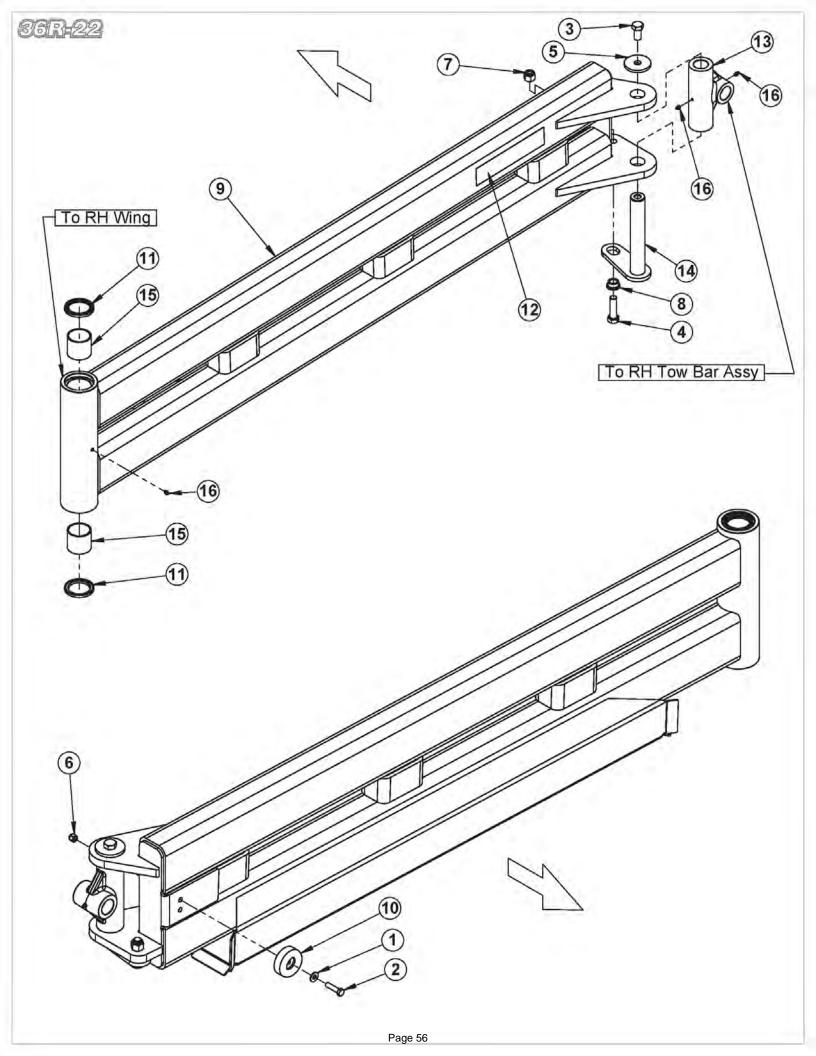




TA01354	Assy,	Tow	Bar	
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ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
2	HB-0.625-11X2.00Y8	Bolt, Hex Head-5/8-11x2-YZ8	1	
3	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
4	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	
5	HNUT-1.500-6Y8	Nut, Hex 1-1/2-6 YZ8	2	
6	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	2	
7	T0050854	Anti Rotation Insert	2	
8	T0051213	RH End Link	11	
9	T0051729	Decal, Reflector, Yellow-2x9	2	
10	TW000763	Pin Weldment	1	
11	TW000894	Pin Weldment	1	
12	TW001211	Widmt, Tow Bar	1	
13	T0053376	Block, Tow Bar	1	

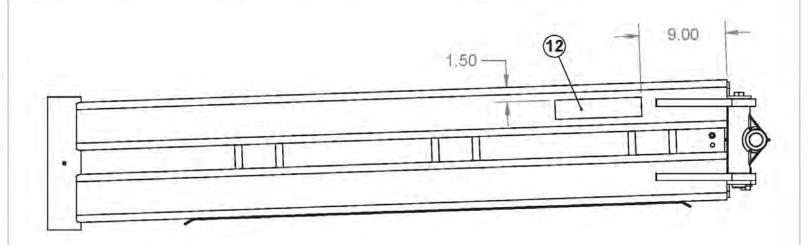


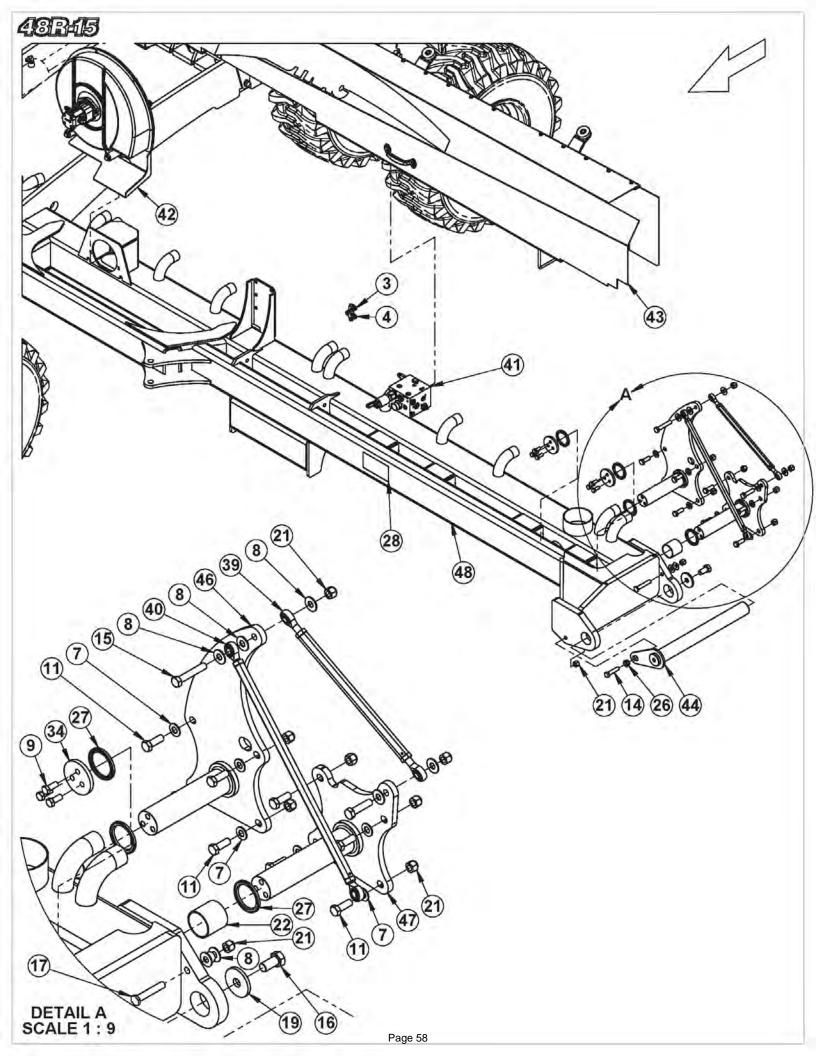


TA01361 Assy, Tow Bar Gate - RH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	1	
2	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	1	
3	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	1	
4	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
5	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	1	
6	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	1	
7	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
8	T0050854	Anti Rotation Insert	1	
9	TW001216	Widmt, RH Towbar Gate	1	
10	T0051481	Rubber Stop	1	
11	T0051585	2.00 Grease Seal	2	
12	T0051729	Decal, Reflector, Yellow-2x9	1	
13	T0052223	Tow Bar Knuckle Machined	1	
14	TW000761	Pin Weldment	1	
15	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
16	ZERK-0.250-28	Zerk, 1/4-28	3	

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

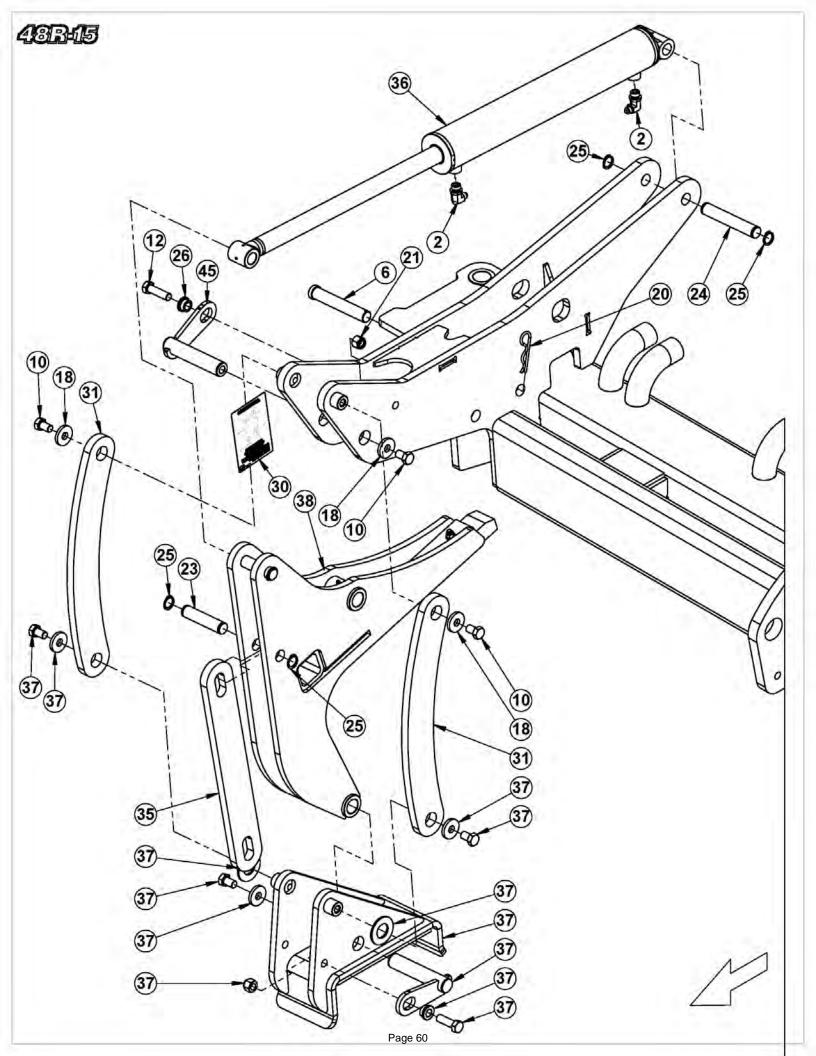




TA02066 Assy, 48R15 RH Wing (Sheet 1 of 4)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	48106381	Vacuum Plug, 7" Sq		1
2	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
3	AD-08MJ-08FJX-90	ADAPTER 08MJ-08FJX 90	- 11	
4	AD-08MJ-CROSS	ADAPTER 08MJ CROSS		
5	ASB-10T	Rod End Ball	4	
6	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	1.	
7	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
8	FW-USS-0.563YTH	Washer, FI 9/16 USS Th-Hrd YZ	9	
9	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	6	
10	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
11	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	8	
12	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
13	HB-0.625-11X2,50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
14	HB-0.625-11X2.75Y8	Bolt, Hex Head-5/8-11x2.75-YZ8	1	
15	HB-0.625-11X3.50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	1	
16	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8		
17	HBSH-0.625-11X3.50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	1	
18	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
19	HDWSH-0.89X3,00Y	HD Washer 0.89 x 3.00	1	
20	HPINCLIP-1,000Y	Hair Pin Clip-Ø1,0000" YZ	1	
21	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	13	
22	PB-2,500X2,75X2,50	Bush, Polygon 2.500x2.75x2.50	4	
23	PIN-1.000X4.13Y	PIN-1.000X4.13Y	1	
24	PIN-1.000X5,75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	4	
26	T0050854	Anti Rotation Insert	2	
27	T0051584	2.50 Grease Seal	4	
28	T0051588	Decal, Warning - Crush Hazard	1	
29	T0051737	Decal,Warn CrshHaz Serv WngWhl	- 1	
30	T0052802	Decal, Warn-Crush Haz Lift Cyl	1 11	
31	T0053164	Linkage, Wing Lift	2	
32	T0053715	Decal, Warn Crush Haz Crdl Lift	1	
33	T0053942	Decal, Danger-Wing Crsh Hzd	- V	
34	T0054041	Washer, RU Pivot	2	
35	T0055482	Linkage, Transport Lock	1 1	
36	TA00963	Cylinder, Hyd 3.00X20.00	1	
37	TA00979	Assy, Wing Engagement	1	
38	TA00980	Wing Lift Assy	1 1	
39	TA01108	Tie Rod Assy	1 - 1 -	
40	TA01109	Tie Rod Assy	1	
41	TA01244	Assy, RH Fan&Meter Cntl Valve	141	
42	TA01245	Assy, Fan	3 1.1	
43	TA01690	Assy, 48R15 RH Wing Shield	3 11 1	
44	TV/000611	Pin Weldment	1 111	
45	TW000906	Pin Weldment	1 4 1 1	
46	TW001069	Row Unit Pivot Weld	1 = 1111 =	
47	TW001071	Row Unit Pivot Weld Widmt, 1200 48R15 RH Wing	1	

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

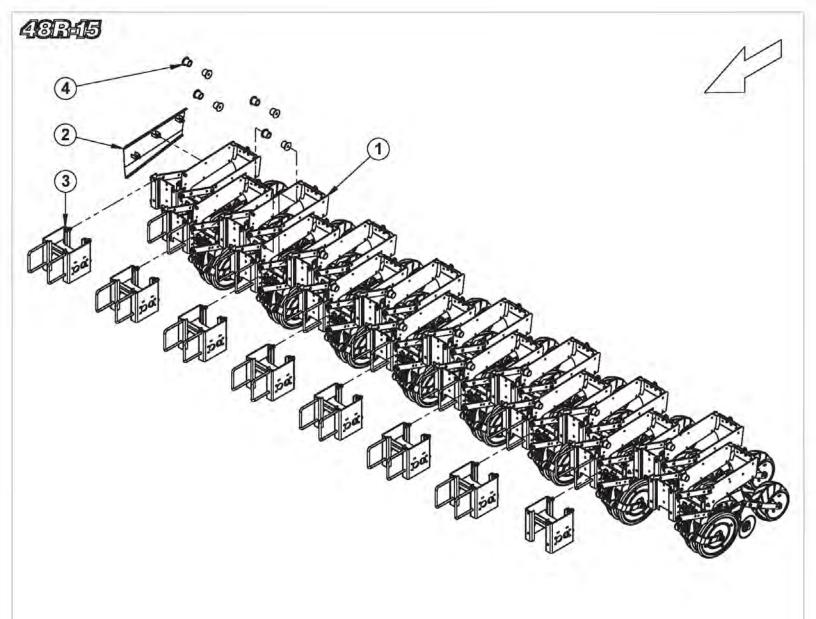


TA02066 Assy, 48R15 RH Wing (Sheet 2 of 4)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
2	AD-06MJ-08MB-90	ADAPTER 06MJ-08MB 90	2	
6	CLPIN-1.000X6.00Y	Clevis Pin, Ø1" X 6" YZ	1	
10	HB-0.625-11X1.00Y8	Bolt, Hex Hd 5/8-11x1 YZ8	3	
12	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
18	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
20	HPINCLIP-1.000Y	Hair Pin Clip-Ø1.0000" YZ	1	
21	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	13	
23	PIN-1.000X4.13Y	PIN-1.000X4.13Y	1	
24	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
25	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	4	
26	T0050854	Anti Rotation Insert	2	
30	T0052802	Decal, Warn-Crush Haz Lift Cyl	1	
31	T0053164	Linkage, Wing Lift	2	
35	T0055482	Linkage, Transport Lock	1	
36	TA00963	Cylinder, Hyd 3.00X20.00	1	
37	TA00979	Assy, Wing Engagement	1	
38	TA00980	Wing Lift Assy	1	
45	TW000906	Pin Weldment	1	

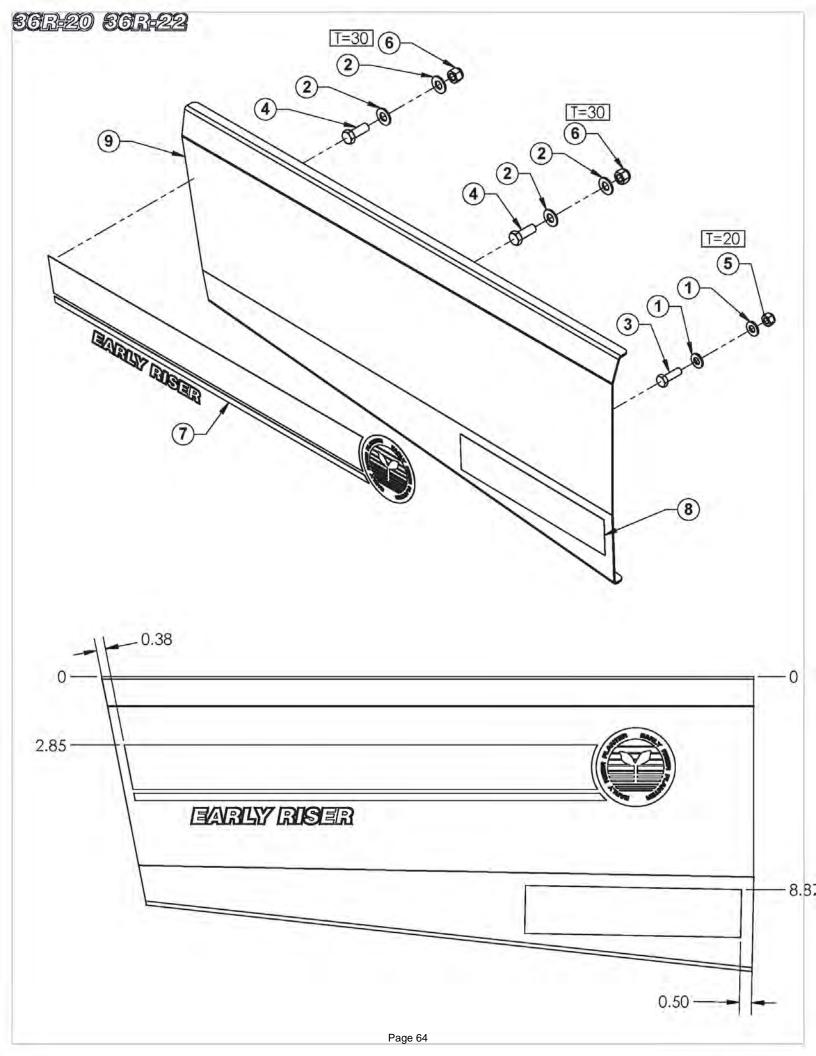
^{1.} T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.

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



ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47892036	RH Row Unit	16	
2	TA00676	Assy, Row Unit End Plate-RH	1	
3	TA01134	Assy, Row Unit Extention	8	
4	TW001077	Widmt, Meter Pivot Bushing	8	

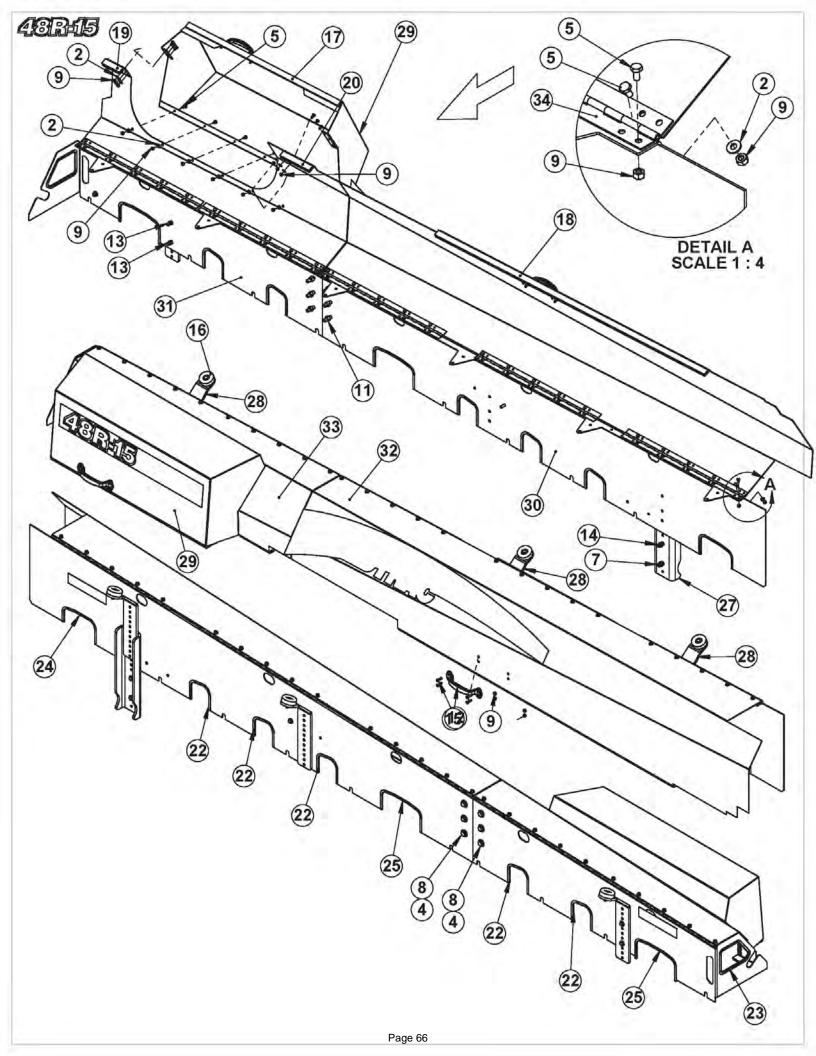
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA00676 Assy, Row Unit End Plate-RH

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.313Y	Washer, SAE Flat 5/16" YZ	2	
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	4	17
3	HB-0.313-18X1.00Y8	Bolt, Hex Hd 5/16-18x1-YZ8	1	
4	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1-YZ8	2	
5	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	1	20
6	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	3	30
7	T0051542	Decal, Early Riser Planter-RH	1 1	
8	T0051729	Decal, Reflector, Yellow-2x9	1	
9	TW000672	Widmt, End Shield Row Unit-RH	1 - 1 -	

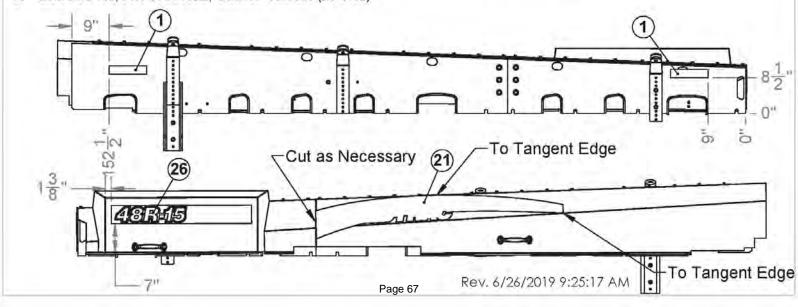
Note: T = Torque Expressed in ft-lbs

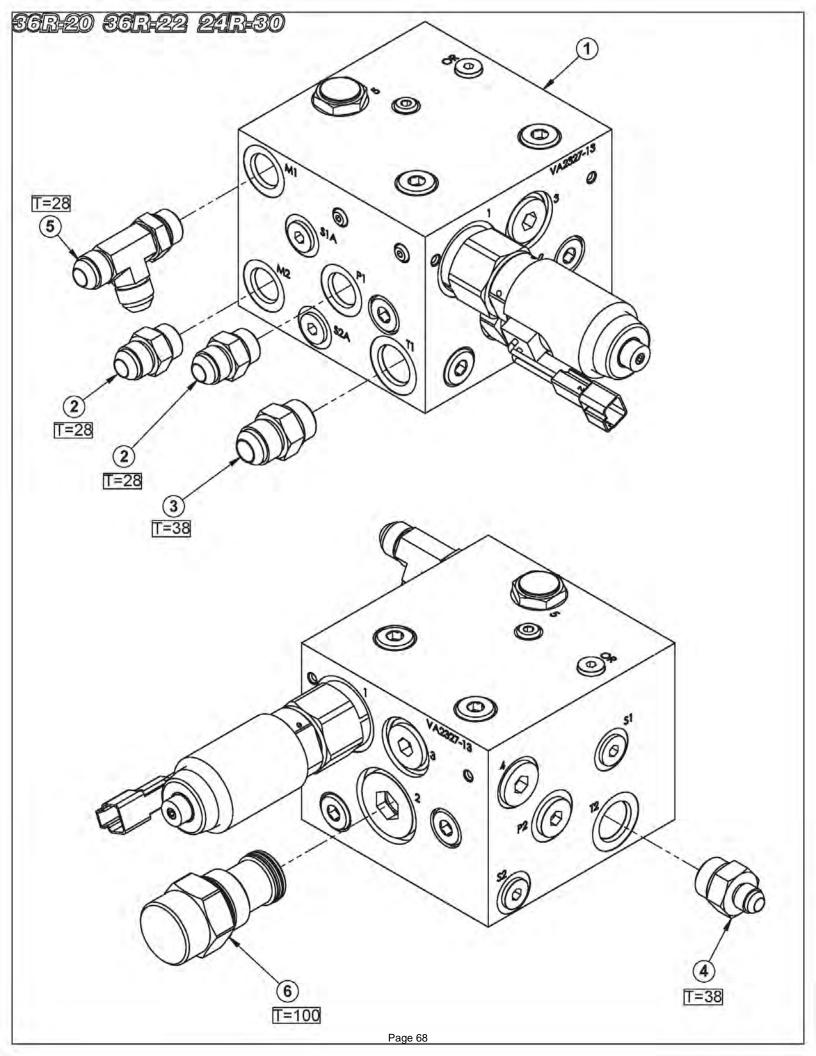


TA01690 Assy, 48R15 RH Wing Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	2	
2	FW-SAE-0.250Y	Washer, Flat SAE 1/4 YZ	37	
3	FW-USS-0.313Y	Washer, Flat USS 5/16 YZ	10	
4	FW-USS-0.438Y	Washer, Flat USS 7/16 YZ	6	
5	HB-0.250-20X0.50Y8	Bolt, Hex Hd 1/4-20x1/2 YZ8	62	
6	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	1	
7	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2 YZ8	7	
8	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	6	
9	NLNUT-0.250-20Y8	Nylon Lock Nut, 1/4-20 YZ8	67	
10	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	7	
11	NLNUT-0,500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	6	
12	OHPMS250-20X1.00SS	Screw, Phillips Oval Hd 1/4-20x1 SS	8	
13	RN-0.375-161531Y	Rivet Nut, 3/8-16x0.150-0.312 YZ	2	
14	RN-0.375-163144-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	2	11)
15	T0051467	Handle	2	
16	T0051481	Rubber Stop	3	
17	T0051552	Sticker-Tite Rubber Gasket Cut Length 36-5/8"	1	
18	T0051552	Sticker-Tite Rubber Gasket Cut Length 64.75"	1	
19	T0051552	Sticker-Tite Rubber Gasket Cut Length 4.22"	1	9
20	T0051552	Sticker-Tite Rubber Gasket Cut Length 7.00"	1	
21	T0051663	Decal, YieldTrac With Arch RH	1	
22	T0052395	U-Trim, 3/8x1/16 (per ft)	5	- 3
23	T0052395	Edge Trim, Shield	1	
24	T0052395	Edge Trim, Shield	1	
25	T0052395	Edge Trim, Shield	2	
26	T0054104	Decal, 48R-15 RH	1	
27	T0054582	Shield Mount	1	
28	T0054583	Mount, Shield Bumper	3	
29	T0054586	Cover, RH Fan	1	
30	T0055415	Panel, 48R15 RH Inner Back	1	
31	T0055416	Panel, 48R15 RH Outer Back	1	
32	T0055431	Shield, 48R15 RH Inner Wing	1	
33	T0055432	Shield, 48R15 RH Outer Wing	1	
34	TA00851	Piano Hinge	5	
35	UB-0.38X7.0X7.0-SY2	U-Bolt, Square 3/8-16x7x7 YZ2	1	

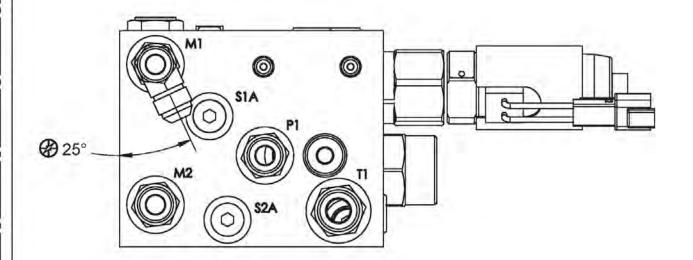
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. * Sold as a roll, P/N T0051522, Gasket Rubber (25' Roll)

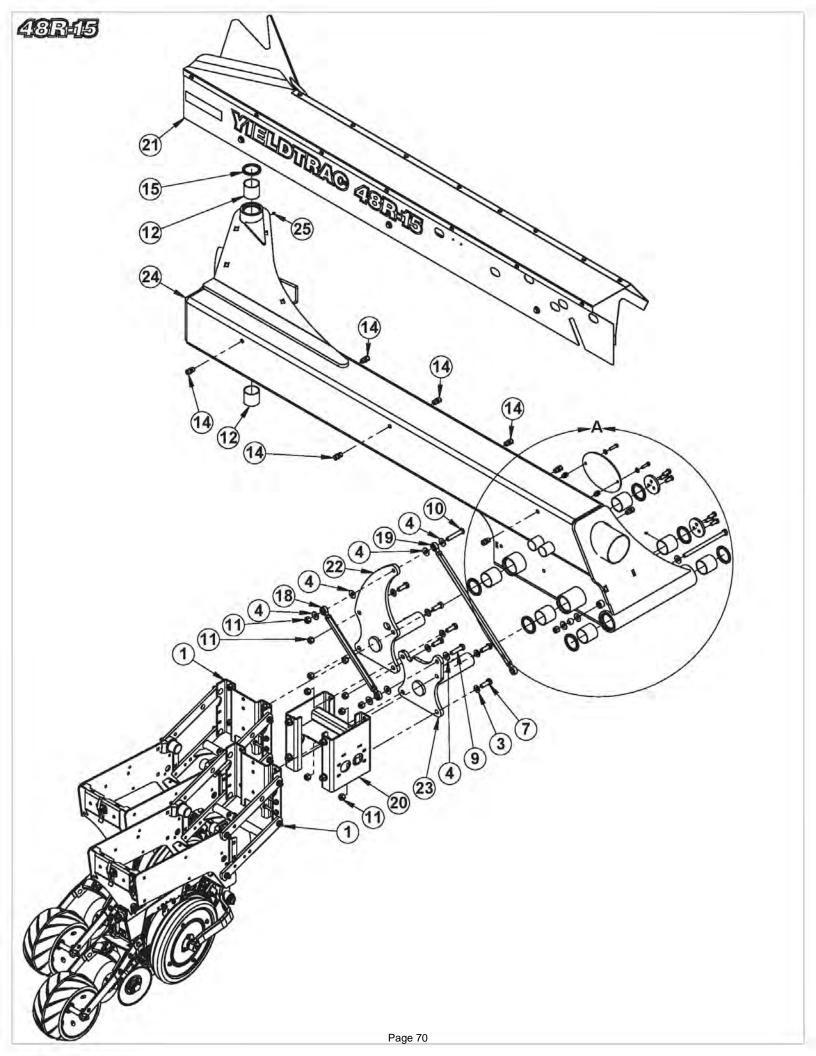




ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0054381	Assy, Fan Ctrl Valve	1	
2	AD-08MJ-08MB	ADAPTER 08MJ-08MB	2	28
3	AD-10MJ-10MB	ADAPTER 10MJ-10MB	1	38
4	AD-06MJ-10MB	ADAPTER 06MJ-10MB	1	38
5	AD-08MJ-08MB-08MJ	ADAPTER 08MJ-08MB-08MJ TEE	1	28
6	T0055197	Cartridge, Flow Control 9.0 GPM		100

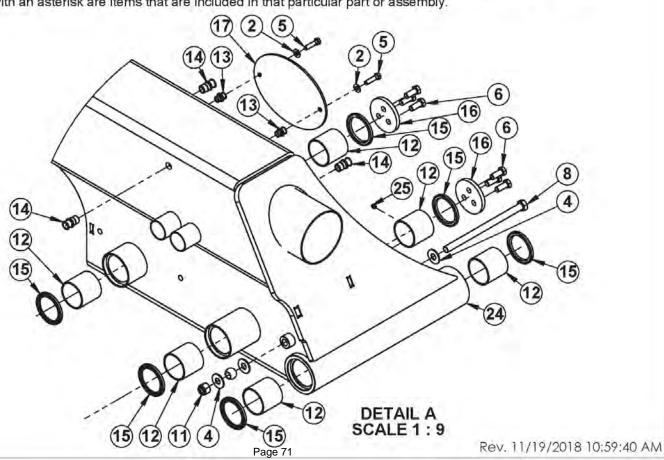
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. Part Orientation

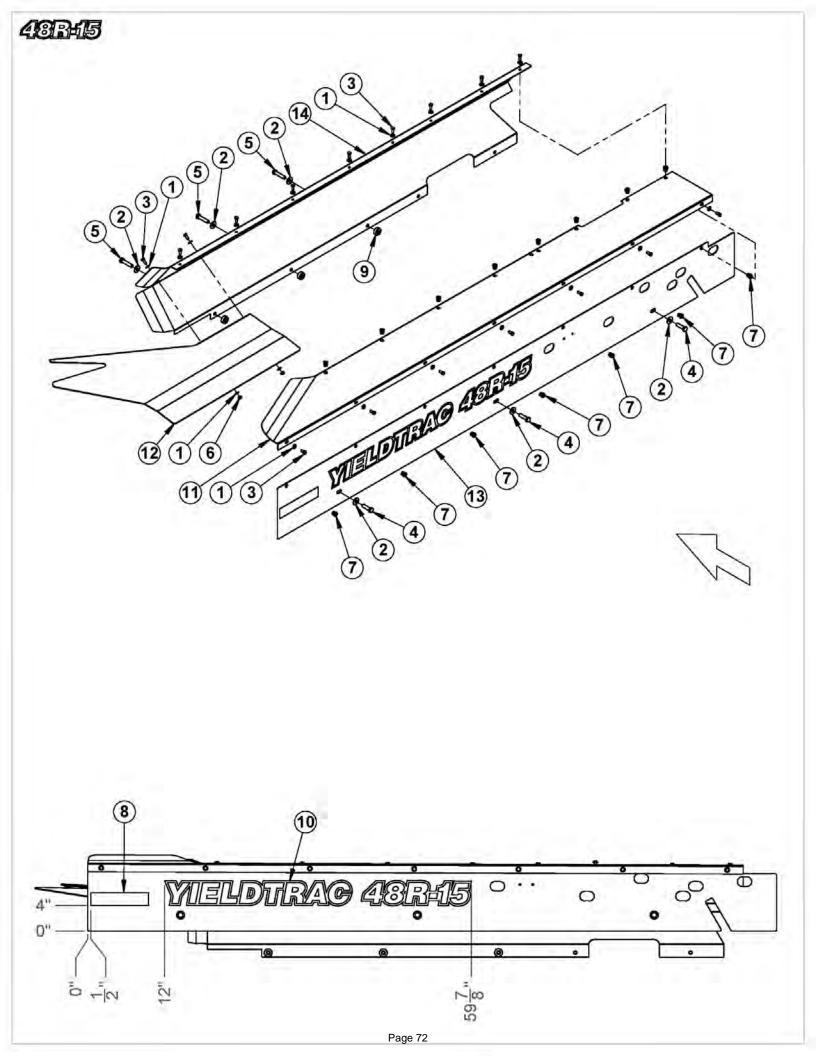




ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	47892036	RH Row Unit	2	(ICHDS)
2	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
3	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
4	FW-USS-0.563YTH	Washer, FI 9/16 USS Th-Hrd YZ	10	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	2	
6	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	6	
7	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	8	
8	HB-0.625-11X10.00Y8	Bolt, Hex Head-5/8-11x10.0-YZ8	1	
9	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	1	
10	HBSH-0.625-11X3.50Y8	Bolt, Hex Hd-5/8-11x3-1/2-YZ8	1	
11	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	11	
12	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	8	
13	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	2	
14	RN-0.500-133550Y	Rivnut, 1/2-13 .350500 GR	8	
15	T0051584	2.50 Grease Seal	7	
16	T0054041	Washer, RU Pivot	2	
17	T0054514	Cover, Vacuum Inlet	1	
18	TA01108	Tie Rod Assy	1	
19	TA01109	Tie Rod Assy	1 1	
20	TA01134	Assy, Row Unit Extention	1	
21	TA02069	Assy, 48R15 RH Stub Arm Shield		
22	TV/001068	Row Unit Pivot Weld	1	
23	TW001070	Row Unit Pivot Weld	1-1-	
24	TVV001332	Wldmt, 48R15 RH Stub Arm	111	
25	ZERK-0.250-28	Zerk, 1/4-28	2	

- 1. [T=XXX] = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
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TA02069 Assy, 48R15 RH Stub Arm Shield

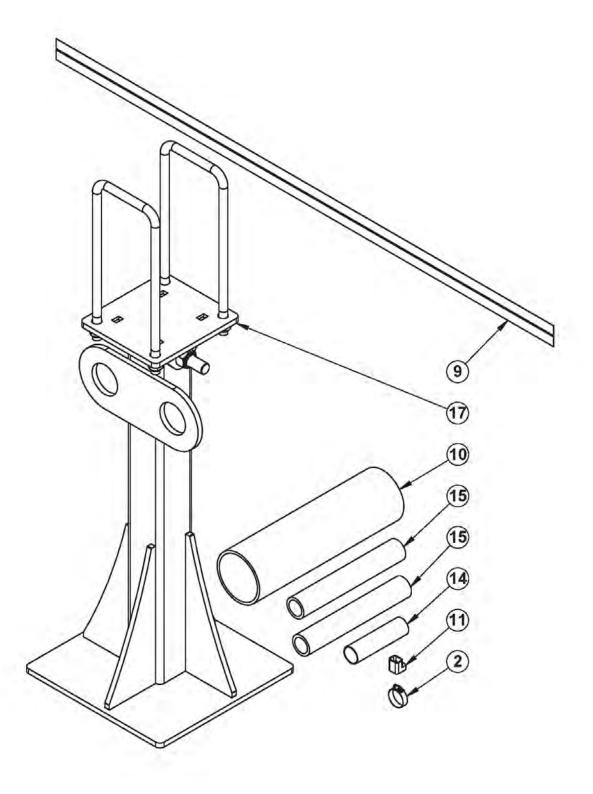
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-USS-0.250Y	Washer, Flat USS 1/4" YZ	19	(
2	FW-USS-0.438Y	Washer, Flat-USS 7/16-YZ	8	
3	HB-0.313-18X0.75Y8	Bolt, Hex Hd 5/16-18x3/4-YZ8	17	
4	HB-0.500-13X1.75Y8	Bolt, Hex Hd 1/2-13x1-3/4 YZ8	3	
5	HB-0.500-13X2.25Y8	Bolt, Hex Hd 1/2-13x2-1/4 YZ8	5	
6	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
7	RN-0.313-180315Y	Rivnut, 5/16-18 UNC .027150	15	
8	90-44-0410	Decal, Reflector, Yellow-2x9	1	
9	T0052276	Spacer	3	
10	T0054100	Decal, Yldtrac 48R15-3.8x47.9	1	
11	T0054635	Cover, RH Stub Arm	1	
12	T0054826	Shelf, RH Seed Hose	1	
13	T0055420	Panel, Stub Arm Back	1	
14	T0054824	Shield, RH Stub Arm Front	1	

Note:

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

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





TEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	73341728	Bulk Oil, UltrAction (per gal)	20	
2	HCLMP-SAE-16SS	Clamp, Hose-SAE-#16-SS	40	
3	T0051552	Sticker-Tite Rubber Gasket Cut Length 36.63"	35	
4	T0051672	Hose, 1.00" PVC (per ft)	400	
5	T0051673	Hose, 1.25" PVC (per ft)	300	
6	T0052516	Gear Lube 80W90 (per gal)	1	
7	T0052528	Spiral Poly Wrap 1.00 (per ft)	40	
8	T0053185	Harness, 36R22 Main ECU	1	
9	T0054107	Decals, 48 Row Unit Numbers	1	
10	T0054572	Hose, Vacuum 5.5" (per ft)	10	
11	T0055034	Plug, Terminator	1	
12	T0055167	Harness, ISO Hitch 624"	1	
13	T0055168	Harness, ISO Hitch Ext 120"	1	
14	T0055447	Hose Sleeve - 1.50" ID x 6.00"	24	
15	T0055792	Hose, Vacuum 1.5" (per ft)	200	
16	TA01693	Hose Kit, 48R15 Base	1	

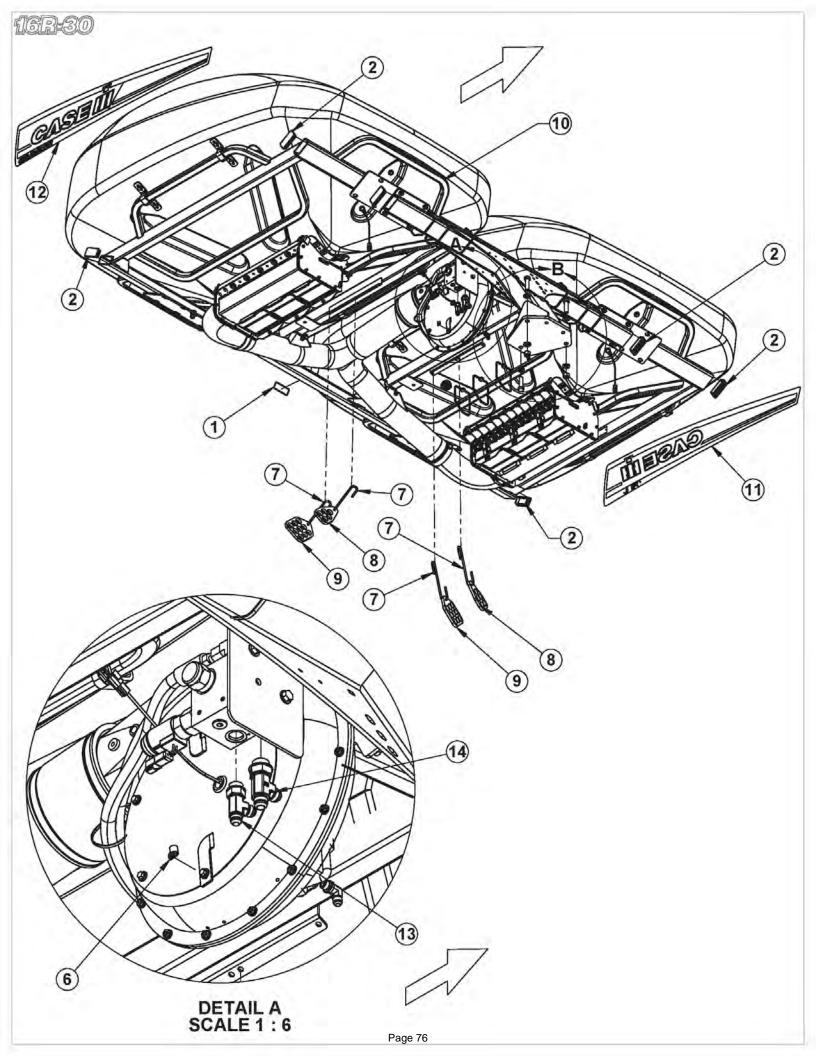
17 Note:

TA01705

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

Assy, Shipping Stand

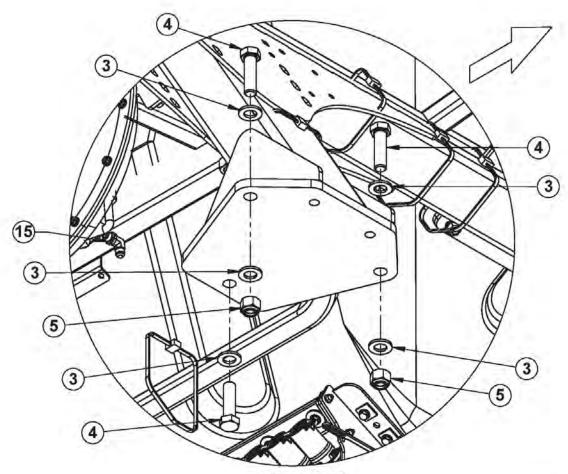
2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA01806 Bulk Fill Assy (2000)

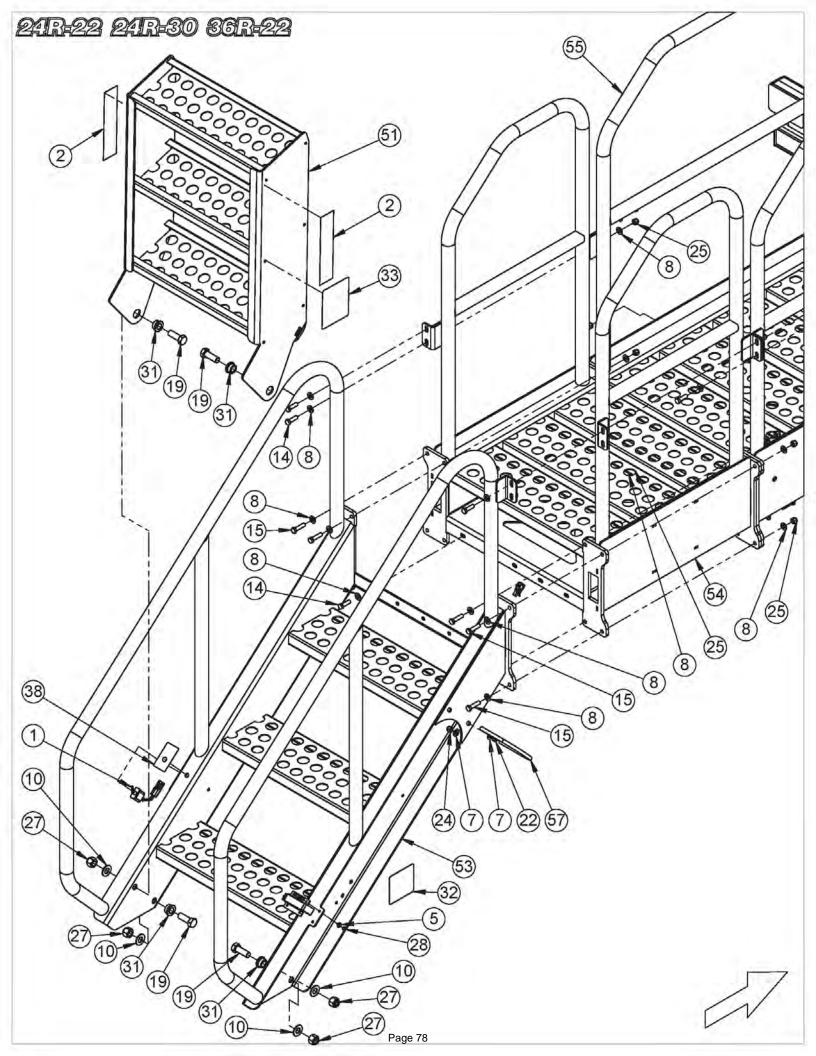
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0051653	Decal, No Step	-1-	
2	T0052517	Plug, Rect Tube 2x4x6-8Ga	6	
3	FW-SAE-0.750Y	Washer, Flat-SAE 3/4 YZ	6	
4	HB-0.750-10X2.75Y8	Bolt, Hex Hd 3/4-10x2-3/4-YZ8	3	
5	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	3	
6	T0051717	Clamp, Cushion Tube .3125 Ø.281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

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

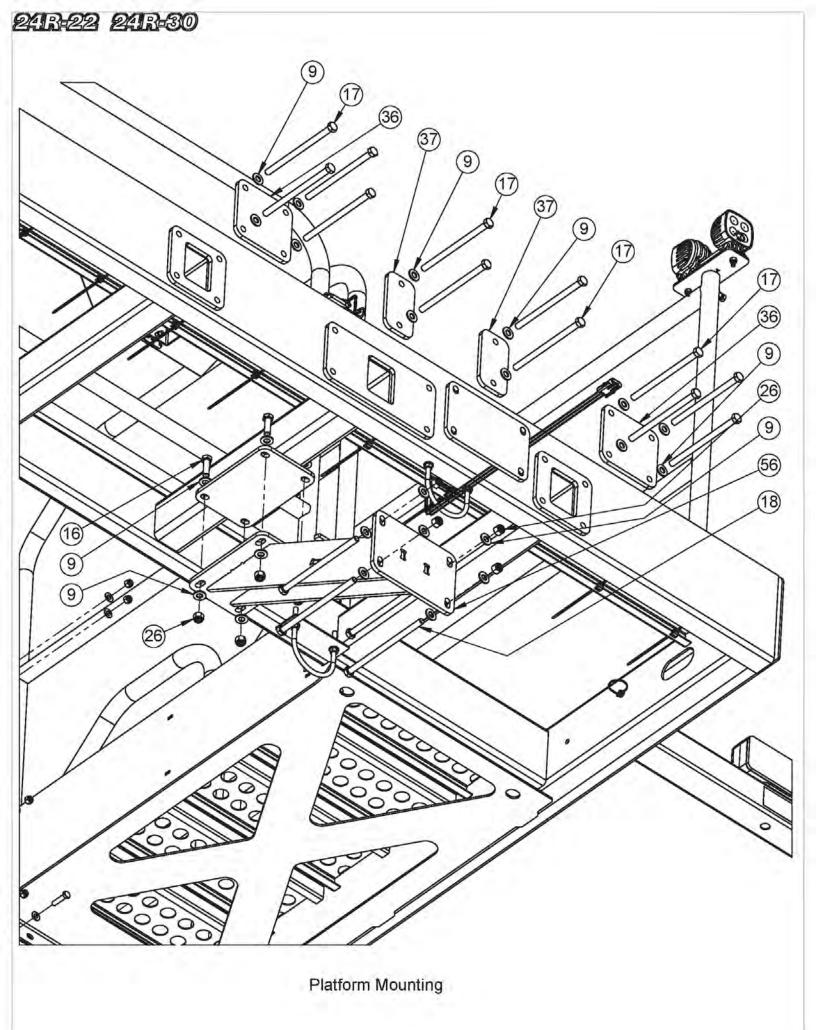


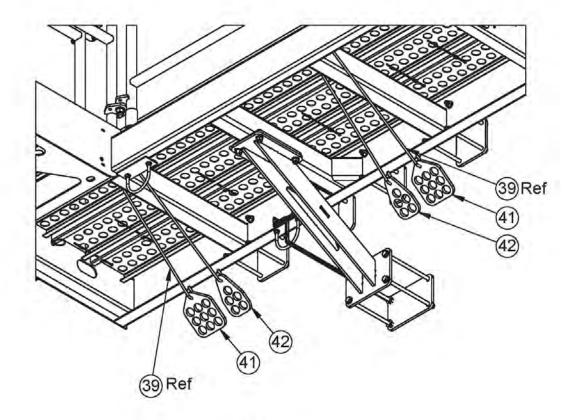
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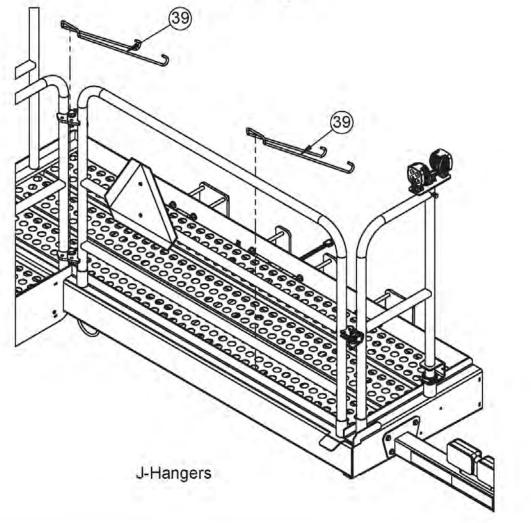


TEM	PART NUMBER	DESCRIPTION	QTY	(ft-lbs)
1111	391062A1	Switch, On/Off	1	
2	90-44-0410	Decal, Reflector, Yellow-2x9	2	
3	CBLTIEMT256276-HL	Assy,CableTie Mnt .031276 PT	4	7
4	EDGCLP-CBLTIE0418	Edge Clip, W/CblTie PT.0418	10	-
5	FW-SAE-#10C	Washer, Flat SAE #10 CZ	4	
6	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	5	1
7	FW-SAE-0.375SS	Washer, Flat SAE 3/8" SS	12	1
8	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	34	7
9	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	40	
10	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	8	
11	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4-YZ8	1	V
12	HB-0.250-20X1.00Y8	Bolt, Hex Hd 1/4-20x1-YZ8	2	
13	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
14	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	9	
15	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	8	
16	HB-0.500-13X1.63Y8	Bolt, Hex Hd 1/2-13x1-5/8 YZ8	4	
17	HB-0.500-13X8.00Y8	Bolt, Hex Hd 1/2-13x8 YZ8	12	
18	HB-0.500-13X9.00Y8	Bolt, Hex Hd 1/2-13x9 YZ8	4	
19	HB-0.625-11X1.75Y8	Bolt, Hex Head-5/8-11x1.75-YZ8	4	
20	HB-0.625-11X1.7518	Bolt, Hex Head-5/8-11x2.25-YZ8	2	
21	HB-10-24X0.75C2	Bolt, Hex Head-5/6-11x2.25-126	4	
		The state of the s		
22	HNUT-0.375-16SS	Nut, Hex 3/8-16 SS	6	
23	NLNUT-0.250-20Y8	Nut, Nylock 1/4-20-YZ8	3	
24	NLNUT-0.375-16SS	Nut, Nylock -3/8"-16-SS	6	4
25	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	17	
26	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	20	
27	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	6	
28	NLNUT-10-24C	Nut, Nylock 10-24 CZ2	4	
29	RN-0.375-161531Y	Rivnut, 3/8-16 .150312 YZ	4	
30	SFTCOLLAR-1.500BO	Collar, Shaft 1-1/2 Blck Oxide	1.	2
31	T0050854	Anti Rotation Insert	6	
32	T0051589	Decal, Warning-Chemical Hazard	1	
33	T0051596	Decal, Warning - Ladder Lowering	1	
34	T0052167	Cap, Tube Ø1.50 Vinyl	3	
35	T0052227	Latch, Flush Fngr Pull Slm 25#	1	7
36	T0052241	Plate, Ladder Attachment	2	
37	T0052242	Plate, Ladder Attach	2	
38	T0052291	Decal, Ladder Platform Lights	1 1	
39	T0052570	J Hanger, Double Straight	2	
40	T0052571	Seed Hose Hanger, Stub Arm	2	
41	T0052572	Seed Hose Hanger, Middle	2	
42	T0052573	Seed Hose Hanger, Middle Fr	2	
43	T0055786	Plate, Ladder Widmt Bolt	1	4
44	TA00678	Assy, SMV Sign	1	
45	TA00791	Assy, Lynch Pin & Lanyard	2	
46	TA00811	Assy, Tail Light-LH	1	1.0
47	TA00812	Assy, Tail Light-RH	1	
48	TA00996	Harness, Bulk Fill Lights	1	
49	TA01247	Assy, Light Arm Extension	2	-
50	TW000753	Widmit, Railing Rear Hinged	1	
100				-
51	TW000762	Widomt, Folding Step Ladder	1	-
52	TW000877	Widmnt, Railing Side-RH Rotating	1	
53	TW000917	Widmt. Platform Stairs	1	
54	TW001337	Widmt, Ladder Platform Ext	1_1_	
55	TVV001369	Widmt, Ladder Platform	1	
56	TVV001413	Widmt, Platform Strut	1	

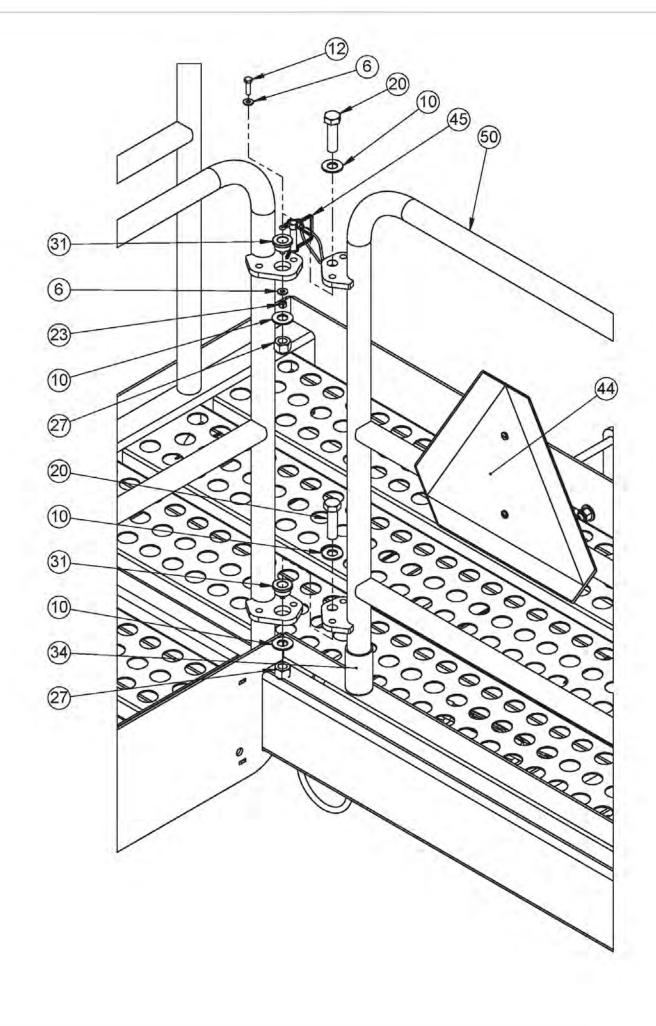


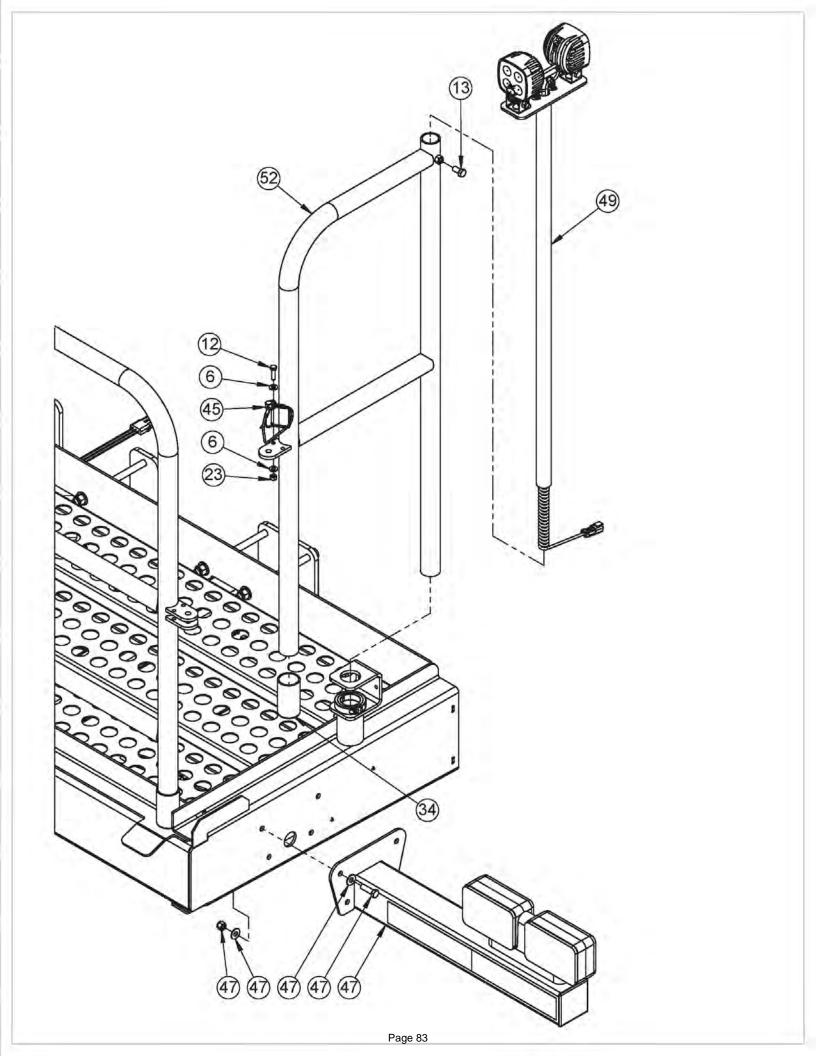


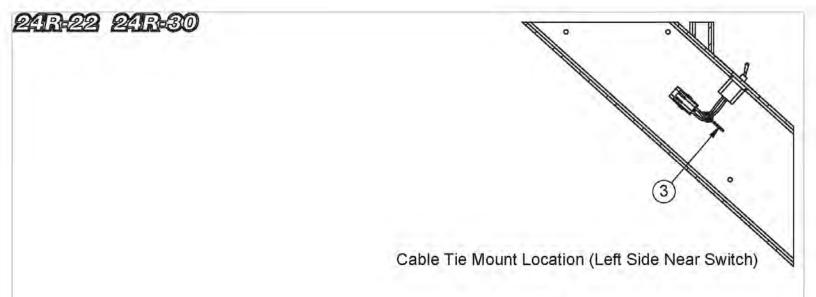


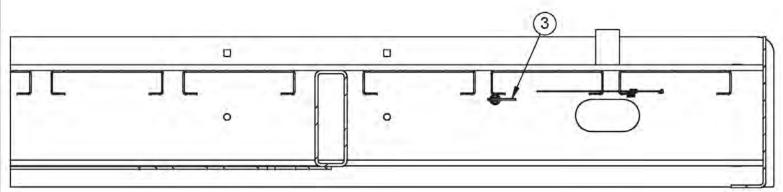


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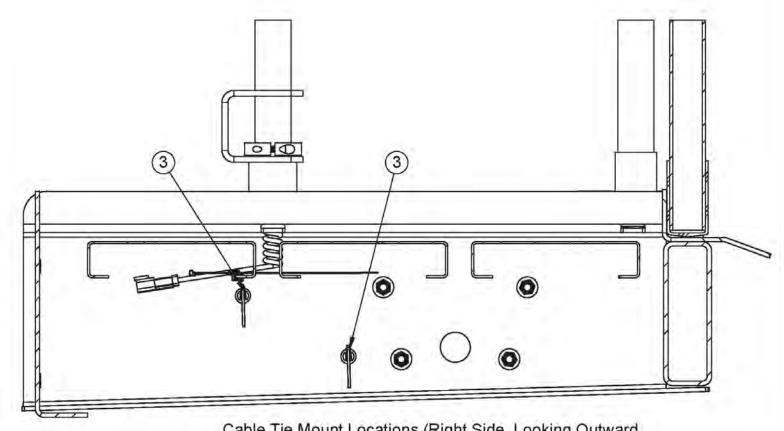




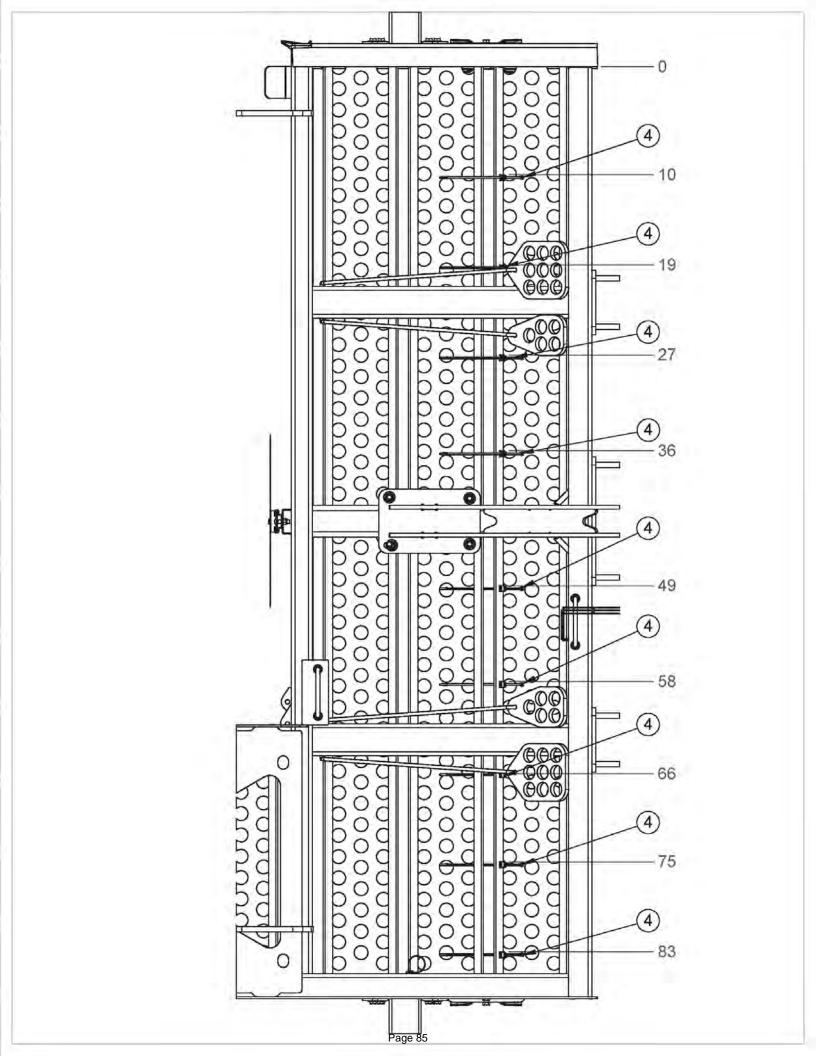


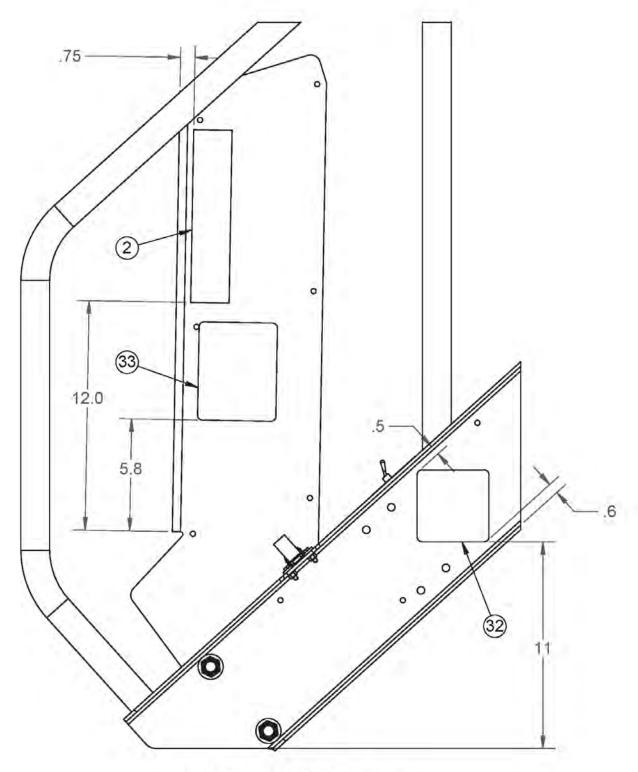


Cable Tie Mount Location (Left Side Looking Outwards)

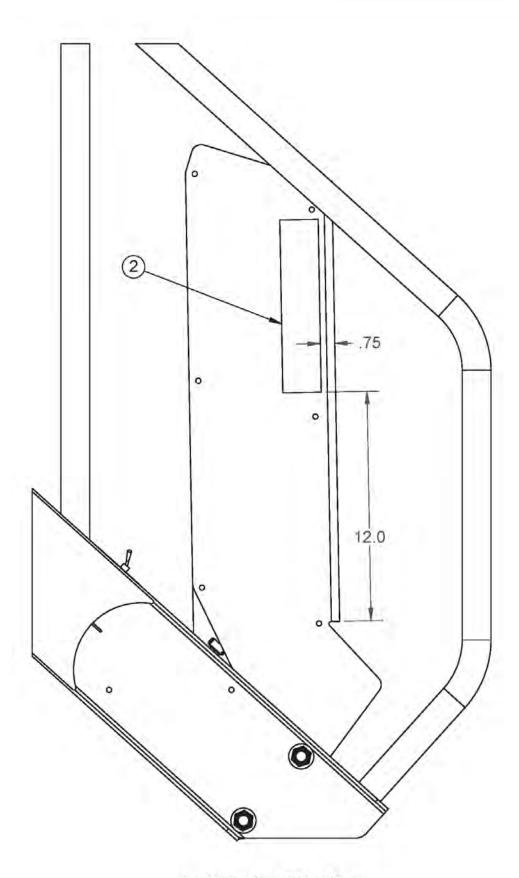


Cable Tie Mount Locations (Right Side, Looking Outward

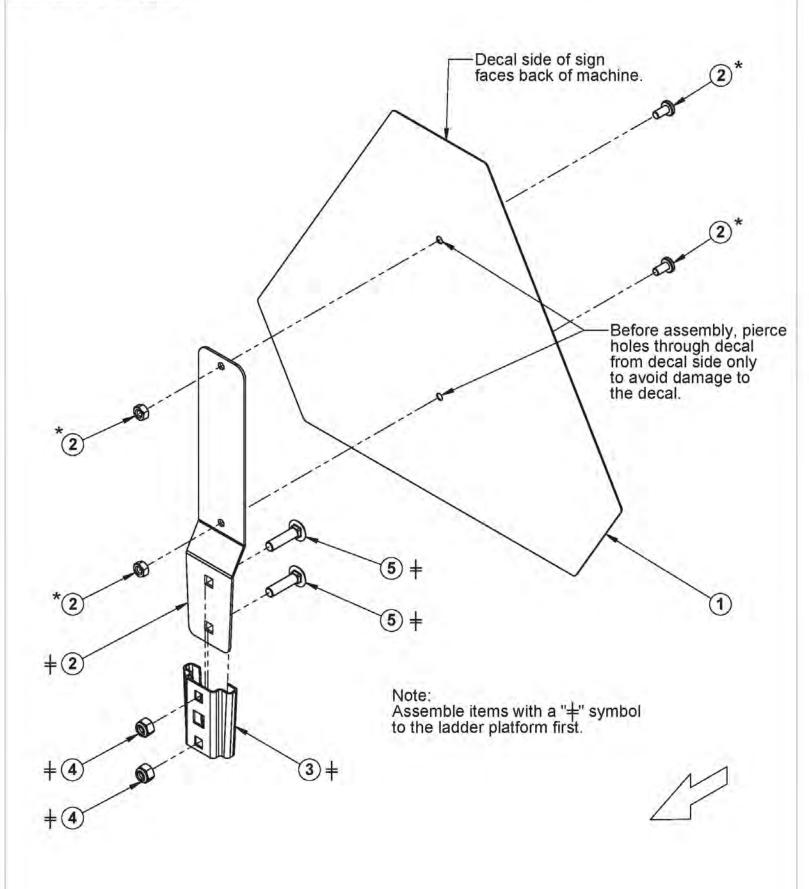




Right Hand Ladder View



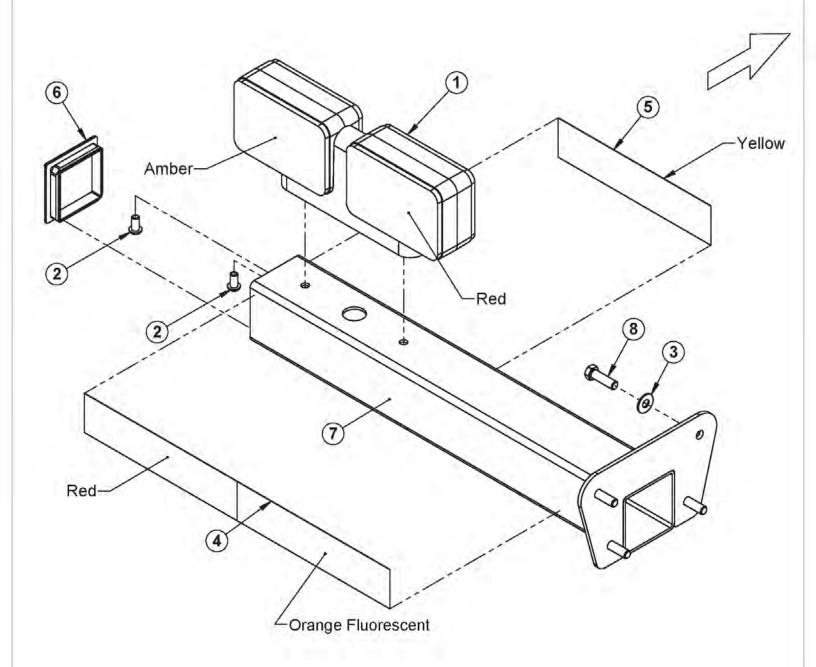
Left Hand Ladder View



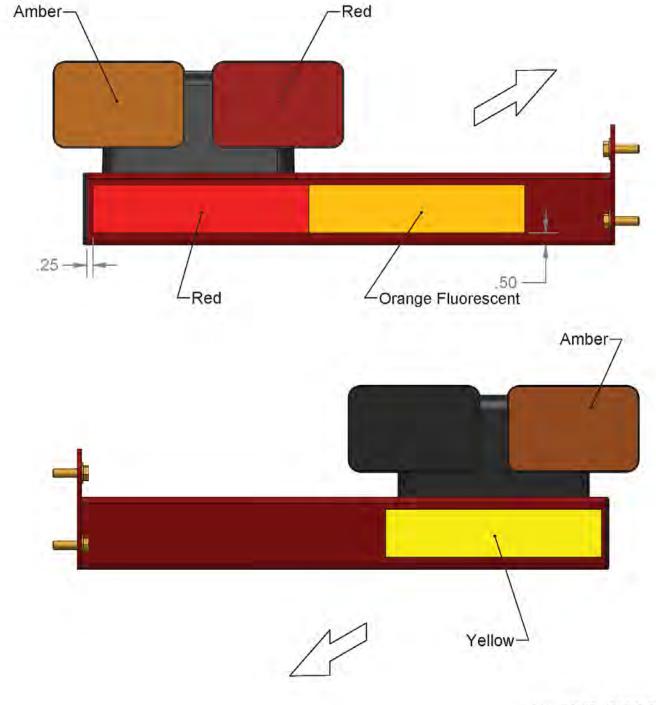
TA00678	Assv.	SMV	Sian
	, ,		

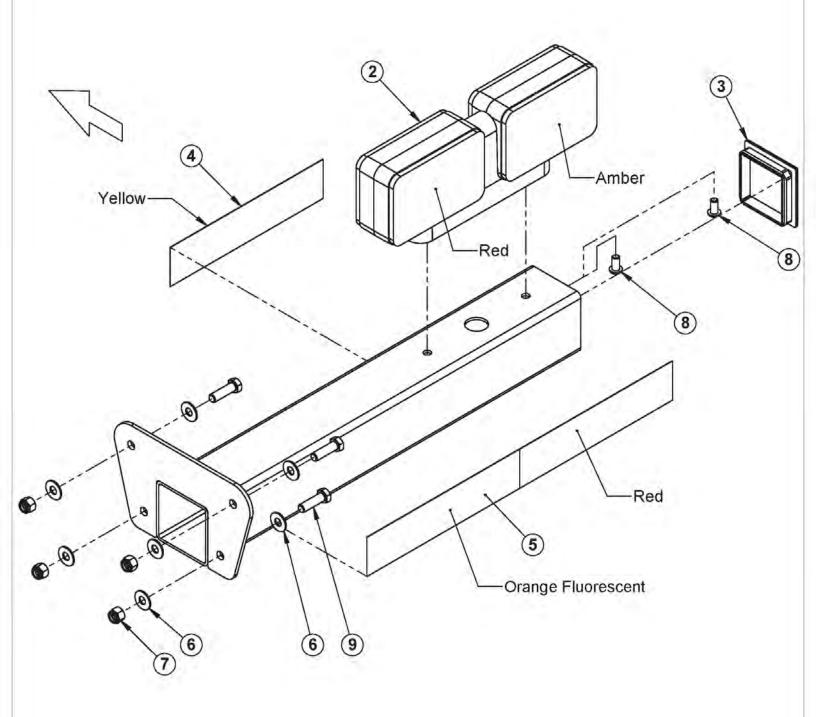
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA00670	Assy, SMV Plate w Decal	-1-	
2	TA00671	Assy, SMV Spade Mount	1	
3	T0051519	Receptacle, Female Spade SMV Sign	1	
4	NLNUT-0.313-18Y8	Nut, Nylock 5/16"-18-YZ8	2	
5	CB-0.313-18X1.25C5	RHSNBOLT 5/16-18x1.25-CZ5	2	

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

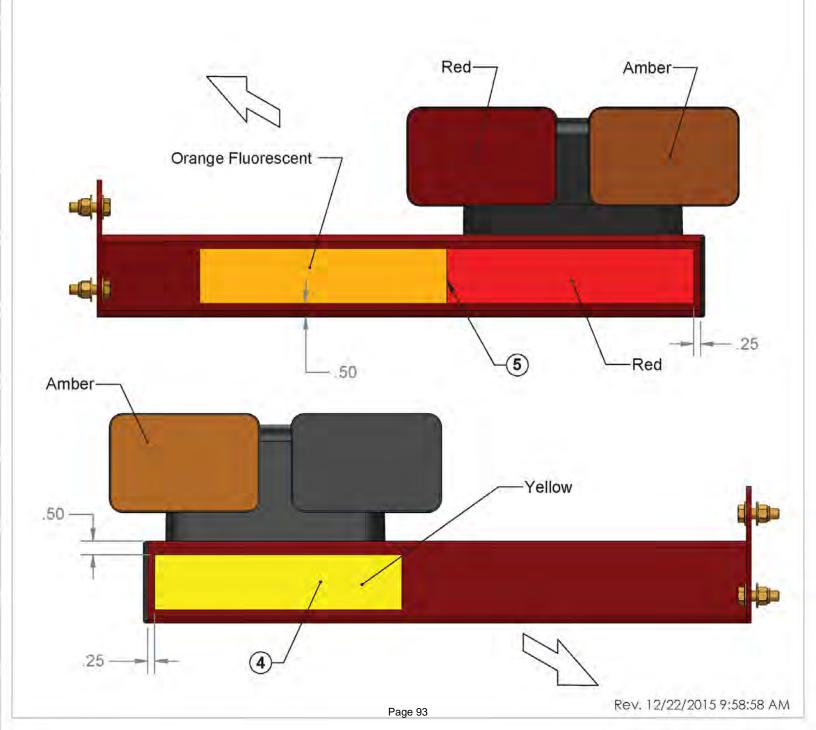


ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	86404264	Light Rear LH	1	
2	BHSCS-M8-1.25-16Y10.9	BtnSktCpScr M8-1.25x16 YZ10.9	2	
3	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	4	
4	T0051727	Decal, Refl Red, Orange-2x18	1	
5	T0051729	Decal, Reflector, Yellow-2x9	1	14
6	T0052333	Plug, Square Tube - Finish	1	11.
7	TW000776	Widmt, Tail Light Brkt	1	
8	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	

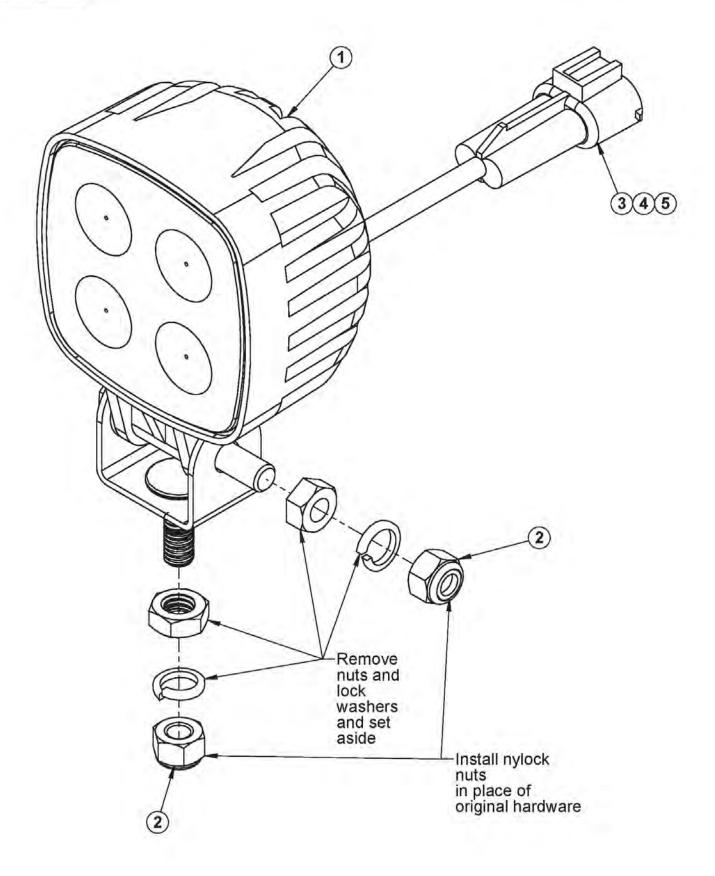




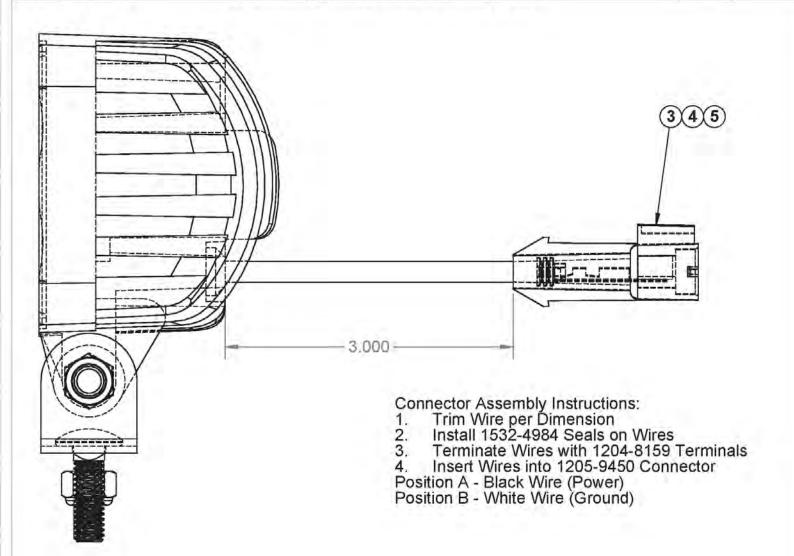
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TW000776	Widmt, Tail Light Brkt	- 1	
2	86404265	Light Rear RH	1	
3	T0052333	Plug, Square Tube - Finish	- 1	
4	T0051729	Decal, Reflector, Yellow-2x9	1	
5	T0051727	Decal, Refl Red, Orange-2x18	1	14
6	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	8	
7	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
8	BHSCS-M8-1.25-16Y10.9	BtnSktCpScr M8-1.25x16 YZ10.9	2	
9	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	4	

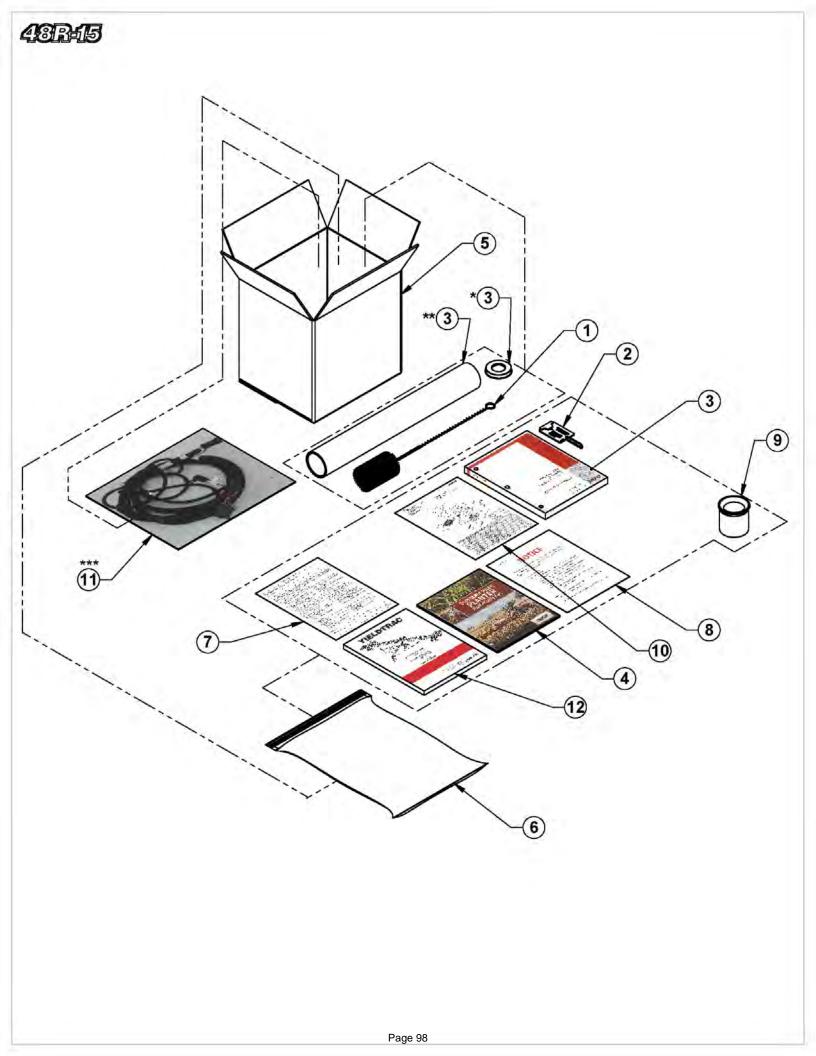


TA012	TA01247 Assy, Light Arm Extension				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)	
1	TW000875	Widmt, Light Pole Bracket	1	(16.180)	
2	TA00995	Harness, Bulk Fill Light Ext	1		
3	CBLTIEMT256276-HL	Assy,CableTie Mnt .031276 PT	2		
4	TA01737	Assy, Work Light	2		



ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0055591	Lamp, Flood LED 18W	1	11.
2	NLNUT-0.313-18SS	Nut, Nylock 5/16"-18-SS	2	
3	12059450	Connector, 2-Way Metri-Pack 280	1	
4	15324984	Cable Seal, Metri-Pack 280 Series Tan	2	
5	12048159	Terminal, Metri-Pack 280 Series 16-18 Ga	2	





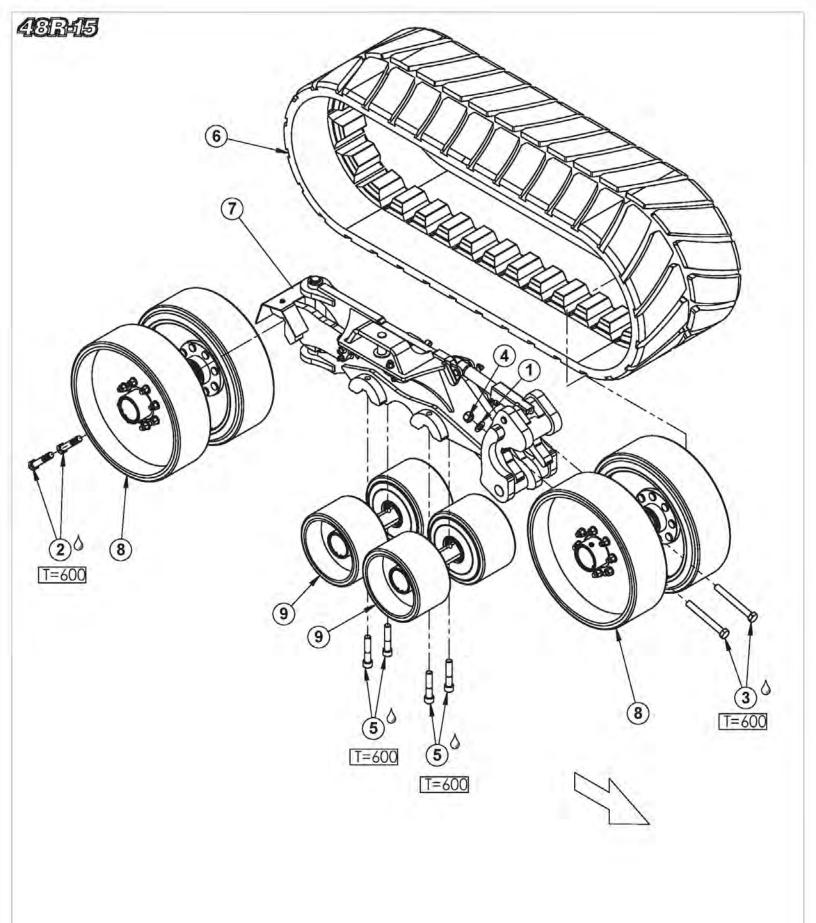
TA01579 Operator's Package 2017 48R15

ITEM	PART NUMBER	DESCRIPTION	QTY
1	346290A1	Brush, Seed Tube	1
2	1958225C4	Firming Point Gauge	1
3	47747526	1255 Operator's Manual	1
4	PL-3101-15	Early Riser Productivity Tips	1
5	T0051794	Box, Cardboard 12X10X12	1
6	T0051793	Bag, Recloseable-13"x18" 6Mil	1
7	T0055155	Chcklst, PDI&Startup 2017	1
8	T0052697	Notice, Track Alignment	1
9	T0053965	Bushing, Cat 5 2.00" Pin	1
10	T0055177	Chklst, Oper Pkg 48R15 2017	1
11	47453857	Harness, Tractor Compressor	1
12	T0055178	Manual, Operator's 2017 24R20/22	1

^{*} Denotes that the cap comes with the seed tube brush.

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

*** The tractor compressor harness is not included if the planter is Precision Ready.

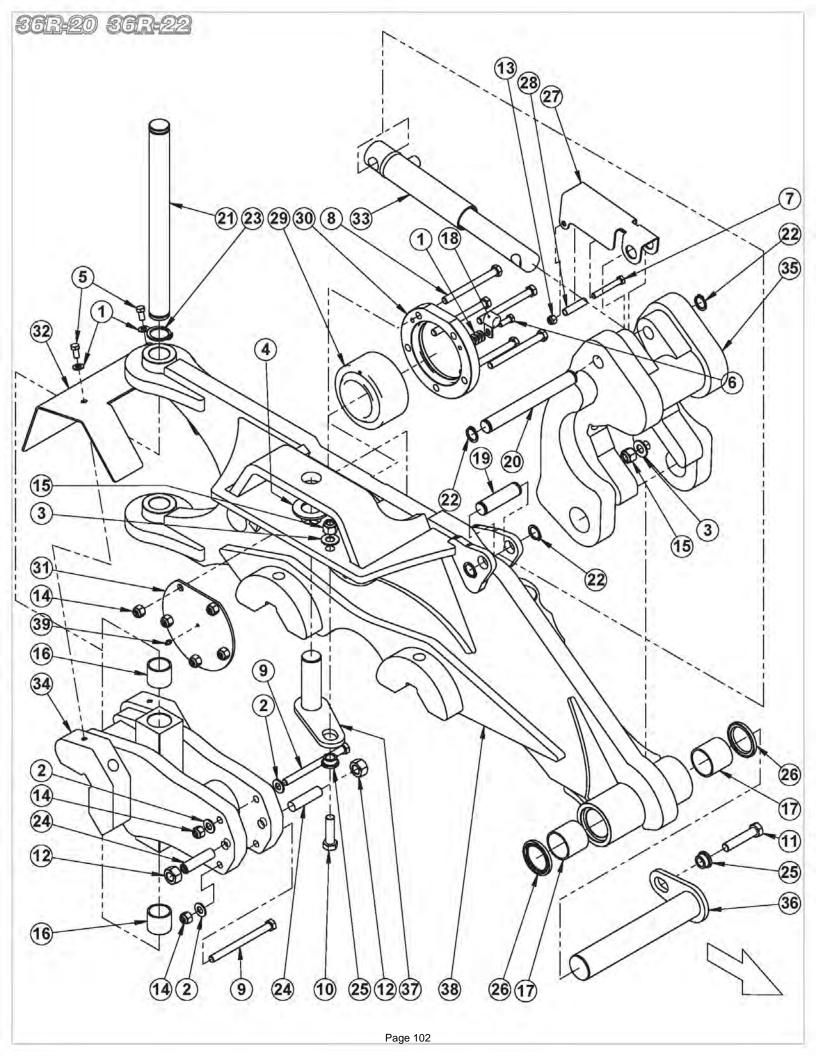


TA01228 Assy, 24" RH Track

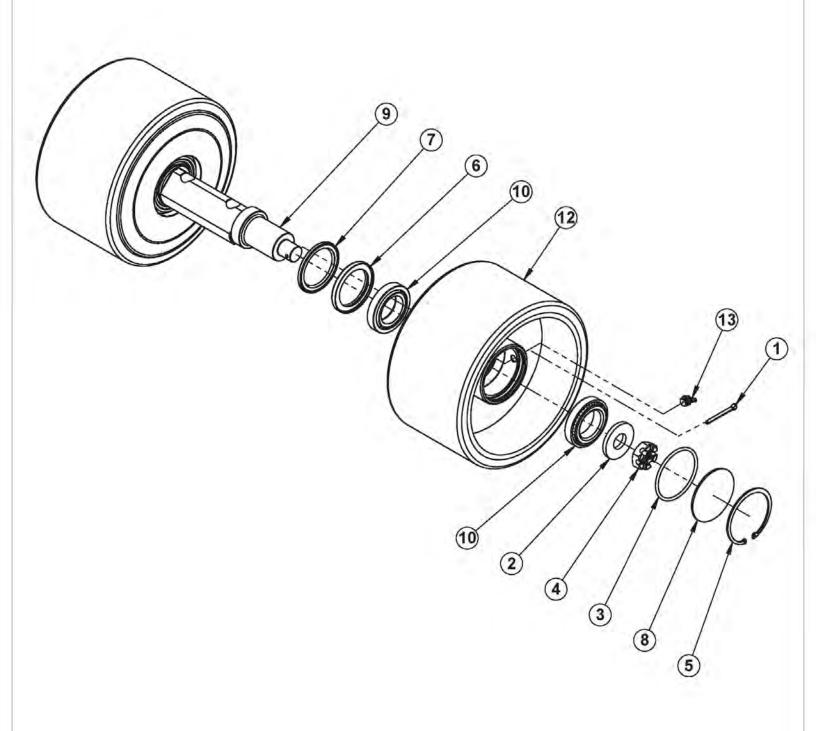
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	2	
2	HB-1.000-8X5.50Y8	HBolt-1.0000-8x5.50-YZ8	2	
3	HB-1.000-8X8.50Y8	Bolt, Hex Head-1.0-8x8.5-YZ8	2	
4	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	2	
5	SHCS-1.000-8X5.00B8	SHCS-1.000-8X5.00 B8	4	
6	T0054413	Track, 24" Wide Planter	111	
7	TA01049	Assy, RH Track Undercarriage	1	
8	TA01220	Assy, Wide Idler Axle	2	
9	TA01224	Assy, Wide Roller Axle	2	

Note:

- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. Δ = Apply 30 W oil to threads before assembly.

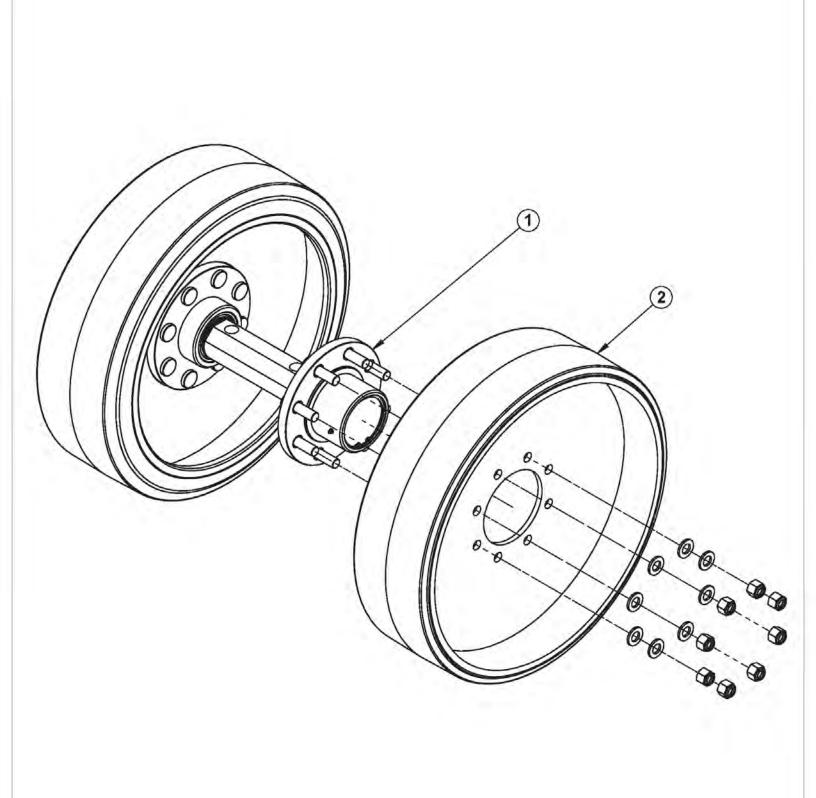


ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft.
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	7	1037
2	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	2	
4	FW-SAE-1.375Y	Washer, Flat SAE 1-3/8 YZ	1	
5	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
6	HB-0.375-16X1.00Y8	Bolt, Hex Hd 3/8-16x1 YZ8	1	
7	HB-0.375-16X2,75Y8	Bolt, Hex Hd 3/8-16x2-3/4 YZ8	1	
8	HB-0.500-13X5.25Y8	Bolt, Hex Hd 1/2-13x5-1/4 YZ8	5	
9	HB-0.500-13X6.00Y8	Bolt, Hex Hd 1/2-13x6 YZ8	2	
10	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
11	HB-0.625-11X3.00Y8	Bolt, Hex Hd 5/8-18x3 YZ8	1	
12	HNUT-0.750-10Y8	Nut, Hex 3/4-10 YZ8	2	1
13	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	1	
14	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	7	
15	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	2	
16	PB-1.500X1.75X1.50	Bushing, Composite 1-1/2x1-3/4x1-1/2	2	
17	PB-2.000X2.25X2.00	Bushing, Composite 2x2-1/4x2	2	
18	PCLMP-0.750x0.875	Clamp, Tube 3/4x13/32	1	
19	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
20	PIN-1.000X8.625Y	Pin, 1x8-5/8 YZ	1	
21	PIN-1.50X16.25Y	Pin, 1-1/2x16-1/4 YZ	1	
22	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	4	
23	SRING-EXT-HD-1.50Y	Retaining Ring, External 1-1/2 HD YZ	2	
24	SSOV-0.750-10X3.00B	Set Screw, Oval 3/4-10x3 BO	2	
25	T0050854	Anti Rotation Insert	2	
26	T0051585	2.00 Grease Seal	2	
27	T0053489	Shield, Tension Cylinder	1	
28	T0053497	Sleeve, Spacer	1	
29	T0053511	BEARING, SPHERICAL-3" SHAFT	1	
30	T0053524	Cap, Bearing	1	
31	T0054068	Grease Cap	1	
32	T0054437	Track Seal Cover	1	
33	TA01003	Cylinder, Hyd 1.50X5.50 SA	1	
34	TW000958	Wldmt (Mach), Track Alignment	1	
35	TW000962	Wldmt (Mach), Track Tensioner	1	
36	TW000963	Weld, Pin	1	1
37	TW000964	Weld, Pin	1	
38	TW000982	Wldmt, RH Undercarriage-Mach	1	1
39	ZERK-0.250-28	Zerk, 1/4-28	1	



TA01224	Assy,	Wide	Roller	Axle
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ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	CTPIN-0.250X2.50	COTTERPIN, 1/4 X 2-1/2	2	
2	HDWSH-1.26X2.88Y	1.25 x 2.87 x 0.31 Washer	2	
3	ORING-4.250X.188	4-1/4" x 0.188" O-Ring	2	
4	SHJN-1.250-12	Nut, Slotted Hex Jam 1-1/4"-12	2	
5	SRING-INT-4.25	4-1/4" INT SRING	2	
6	T0051029	3.0 Inch Seal	2	
7	T0051948	Seal, Radial Shaft Ø3.00 x .25	2	
8	T0054421	8-Bolt Hub Cap	2	
9	T0054431	Roller Axle	1	
10	T0054432	3.8125 Bearing Cup 382A	4	
11	T0054433	2.25 Bearing Cone 387A	4	
12	TA01222	Roller Wide Overmold	2	
13	ZERK-0.375-NPTX45	ZERK-0.375-NPTX45	2	



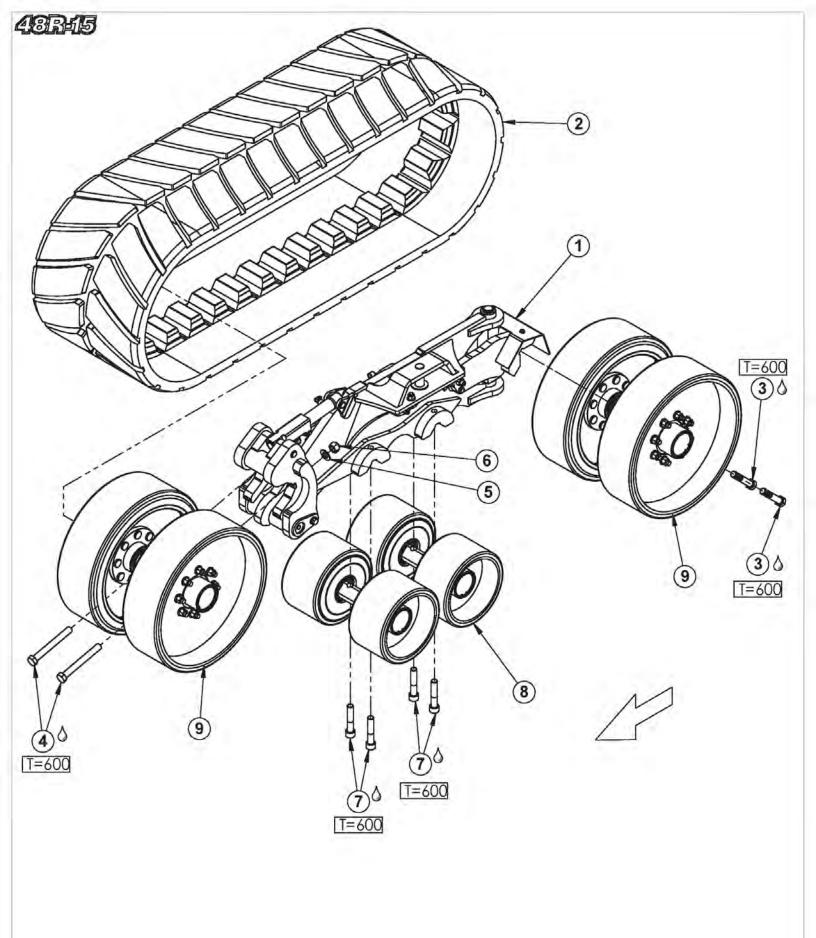
TA01220 Idler Wide Asm				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TA01219	Idler Axle Asm	11	100.00
2	TA01217	Idler Wide Overmold	2	

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TA01219 Idler Axle Asm

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

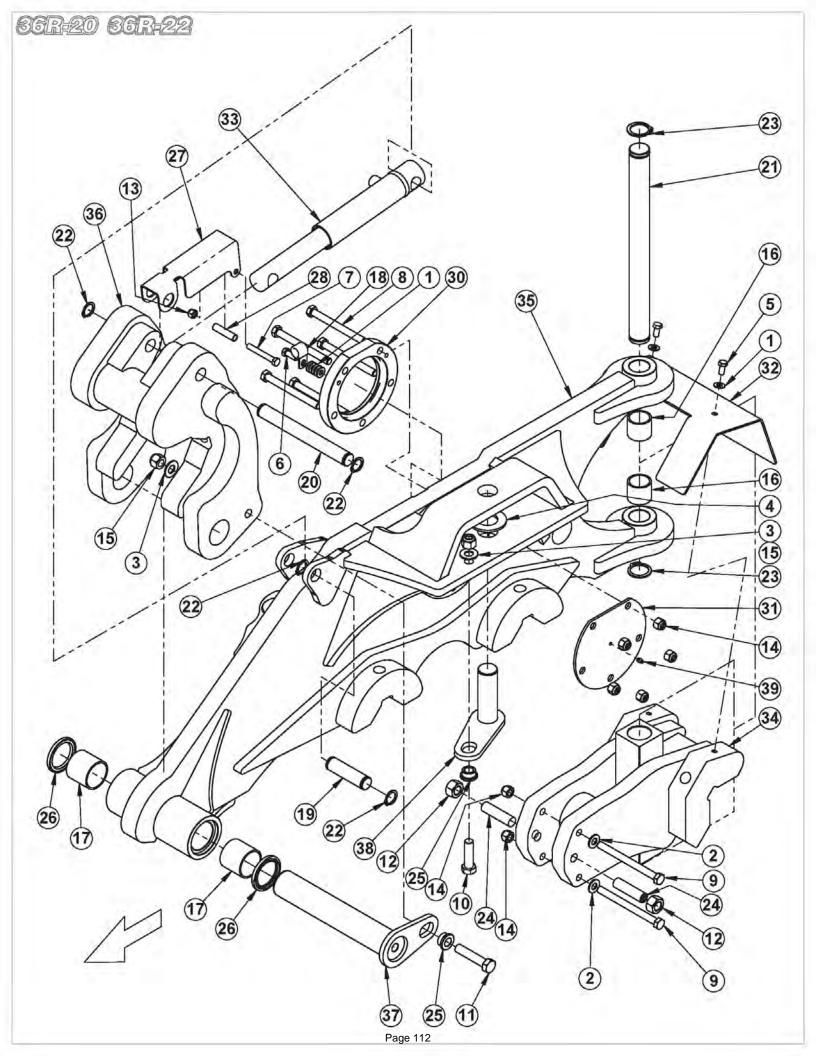
Note: *Items marked with an asterisk are items that are included in that particular part or assembly.



TA01229 Assy, 24" LH Track

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01024	Assy, LH Track Undercarriage	1	11/2/1/
2	T0054413	Track, 24" Wide Planter	1	
3	HB-1.000-8X5.50Y8	HBolt-1.0000-8x5.50-YZ8	2	
4	HB-1.000-8X8.50Y8	Bolt, Hex Head-1.0-8x8.5-YZ8	2	
5	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	- 2	
6	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	2	
7	SHCS-1.000-8X5.00B8	SHCS-1.000-8X5.00 B8	4	
8	TA01224	Assy, Wide Roller Axle	2	
9	TA01220	Assy, Wide Idler Axle	2	

- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. \(\sqrt{} = Apply 30 W oil to the threads before assembly.)

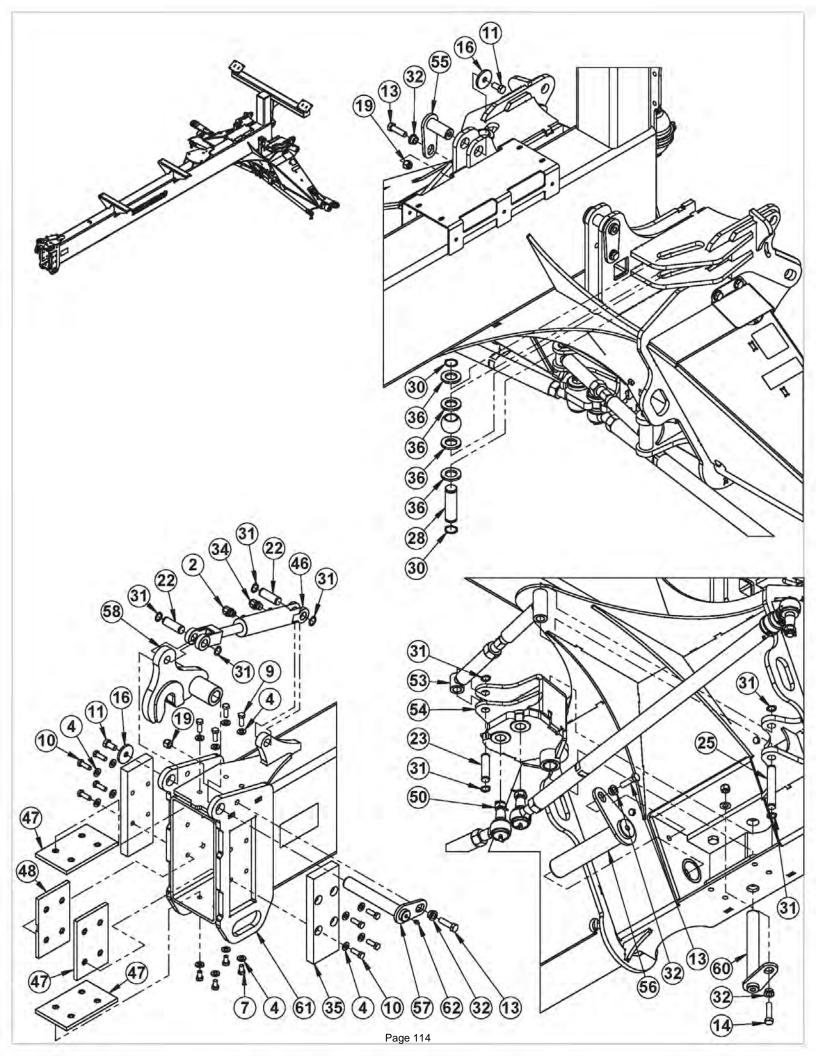


TA01024 Assy, LH Track Undercarriage

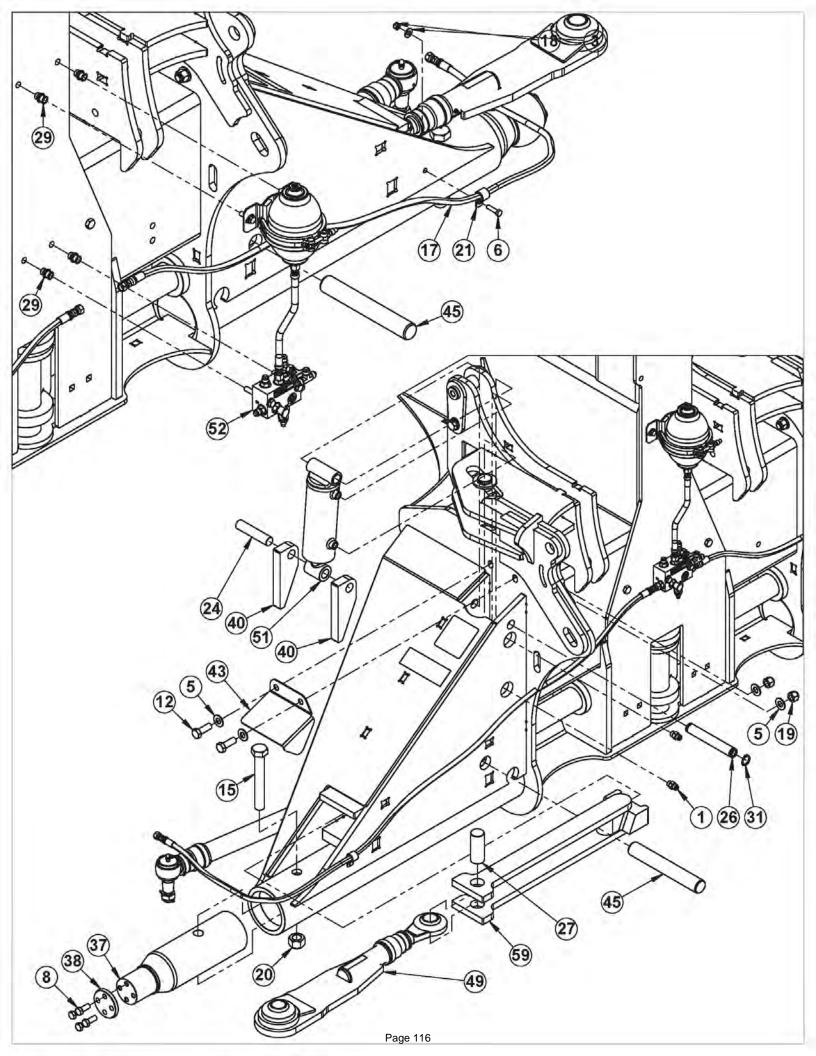
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	7	(III IDO)
2	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	4	
3	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	2	
4	FW-SAE-1.375Y	Washer, Flat SAE 1-3/8 YZ	1	
5	HB-0.375-16X0.75Y8	HBolt-0.3750-16x0.750-YZ8	2	
6	HB-0.375-16X1.00Y8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

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

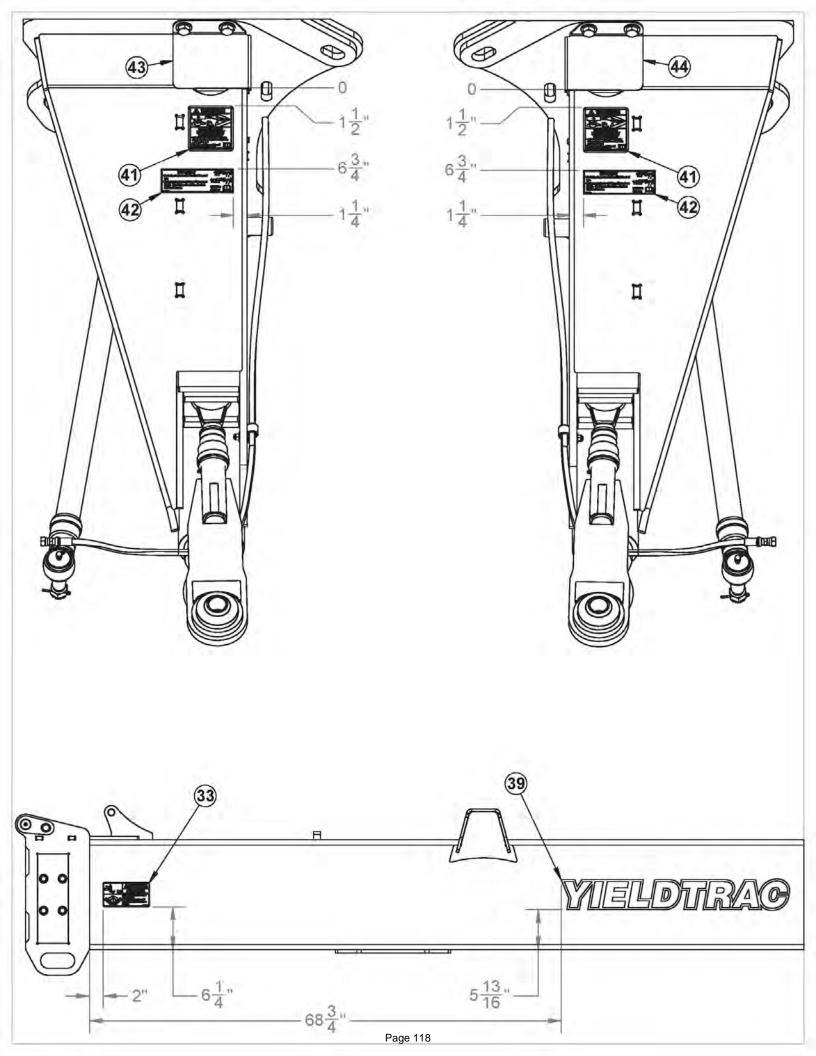
^{2. *} Items marked with an asterisk are items that are included in that particular part or assembly.



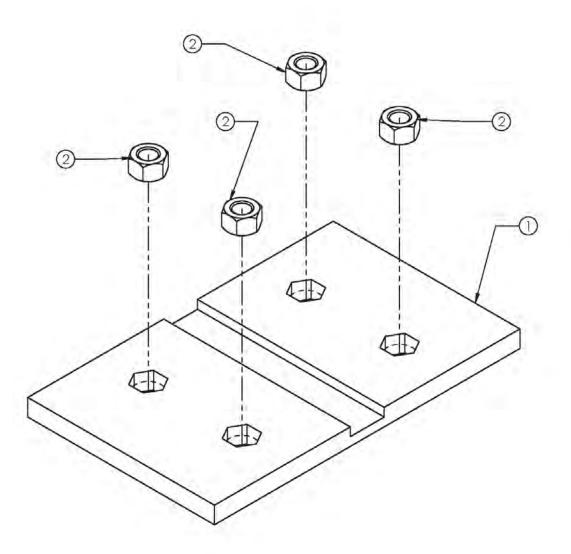
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
2	AD-06MJ-08MB-90	Adapter, 06MJ-08MB 90	1	(ICIDS)
4	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	16	
7	HB-0.500-13X0.88Y8	Bolt, Hex Hd 1/2-13x7/8 YZ8	4	
9	HB-0.500-13X1.38Y8	Bolt, Hex Hd 1/2-13x1-3/8 YZ8	4	
10	HB-0.500-13X1.50Y8	Bolt, Hex Hd 1/2-13x1-1/2 YZ8	8	
11	HB-0.625-11X1.25Y8	Bolt, Hex Hd 5/8-11x1-1/4 YZ8	3	
13	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	5	
14	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	11	
16	HDWSH-0.64X2.50Y	HD Washer, 41/64x2-1/2 YZ	3	
19	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	10	
22	PIN-1.000X2.63Y	Pin, 1x2-5/8 YZ	2	
23	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	11	
25	PIN-1.000X5.75Y	Pin, 1x5-3/4 YZ	1	
28	PIN-1.438X4.25Y	Pin, 1-7/16x4-1/4 YZ	2	
30	SRING-EXT-1.44	Retaining Ring, External 1-7/16	4	
31	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	10	7
32	T0050854	Anti Rotation Insert	6	
34	T0052369	ADAPTER 06MJ-08MB 90 W/ORF	1	
35	T0052579	Slider Block	2	
36	T0052610	Washer, Control Link	8	
46	TA00632	Cylinder, Hyd 2.00X4.00	-1	
47	TA00801	Assy, Slider	3	
48	TA00843	Assy, Slider	1	
50	TA01168	Assy, Tie Rod 120"	2	
53	TA01637	Assy, Turnbuckle		
54	TA01916	Assy, Steering Pivot	1	
55	TVV000630	Pin Weldment	2	
56	TW001012	Pin Weldment	2	
57	TVV001050	Pin Weldment	1	
58	TW001150	Widmt, Hitch Latch	1	
60	TVV001170	Pin Weldment	1	
61	TW001320	Widmt, 60' Main Frame (120")	3	
62	ZERK-0.125-27-NPT	Zerk, 1/8-27 NPT	1	



ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	AD-06MJ-06MB	Adapter, 06MJ-06MB	4	2000000
3	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	2	
5	FW-SAE-0.625Y	Washer, Flat SAE 5/8 YZ	9	
6	HB-0.313-18X1.25Y8	Bolt, Hex Hd 5/16-18x1-1/4 YZ8	2	
8	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	8	
12	HB-0.625-11X1.75Y8	Bolt, Hex Hd 5/8-11x1-3/4 YZ8	4	
15	HB-1.000-8X7.00Y8	Bolt, Hex Hd 1-8x7 YZ8	2	
17	HS04-073-06FJ-06FJ-C	Hose 0.25-073-06FJX-06FJX-STC	2	
18	NLNUT-0.313-18Y8	Nylon Lock Nut, 5/16-18 YZ8	2	
19	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	10	
20	NLNUT-1.000-8Y8	Nylon Lock Nut, 1-8 YZ8	2	100
21	PCLMP-0.750x0.875	Clamp, Tube 3/4x13/32	2	
24	PIN-1.000X4.63Y	Pin, 1x4-5/8 YZ	2	
26	PIN-1.000X6.125Y	Pin, 1x6-1/8 YZ	2	
27	PIN-1.438X3.50Y	Pin, 1-7/16x3-1/2 YZ	2	
29	RN-0.375-163144-Y	Rivet Nut, 3/8-16x0.31-0.44 YZ	4	
31	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	10	
37	T0053788	Axle, Track Stub	2	
38	T0053791	Washer, Track Axle Retention	2	
40	T0054616	Stop Insert	4	
43	T0054904	Cylinder Cover, LH	3.1.5	
45	T0055290	Pin, Shipping Lock	2	
49	TA01117	Tilt Control Assembly	2	
51	TA01235	Cylinder, Tilt Stop	2	
52	TA01239	Assy, Track Tension Valve	1.1	
59	TW001163	Widmt, 120" Stop Block	2	

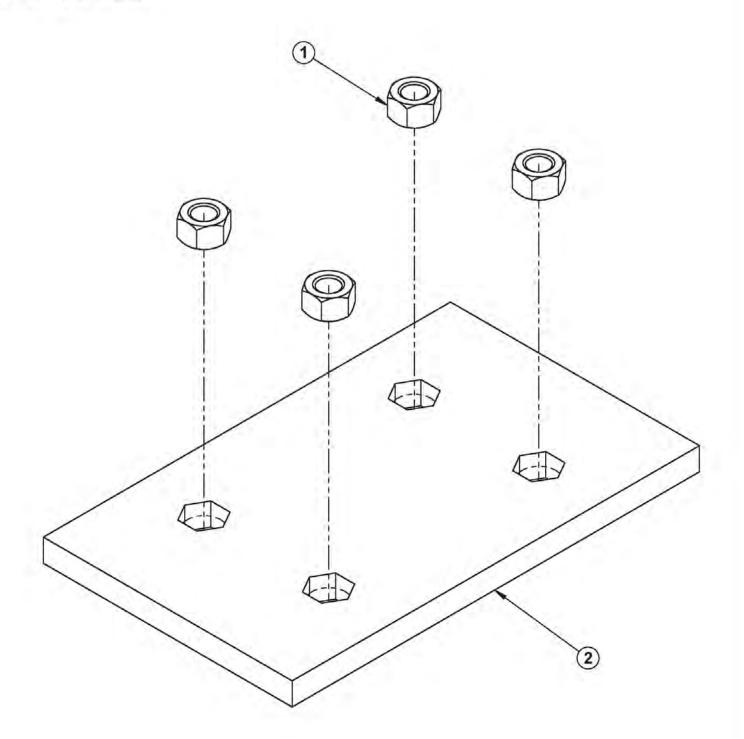


ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
33	T0051588	Decal, Warning - Crush Hazard	2	
39	T0054236	Decal, Yieldtrac 4.4x33.3	2	
41	T0054707	Decal, Warn-Crush Haz Mn Lift	2	
42	T0054708	Decal, 320 Lug Torque	2	
43	T0054904	Cylinder Cover, LH	1	
44	T0054905	Cover, RH Cylinder	1	

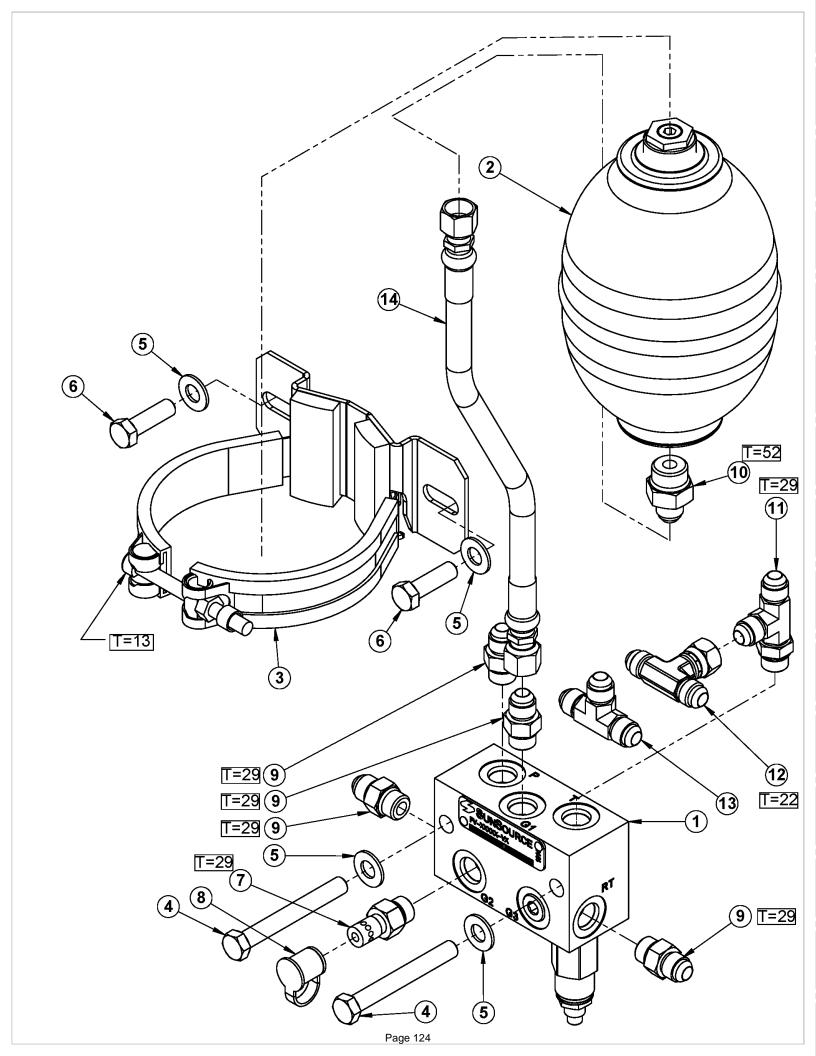


TA008	TA00843 Assy, Slider					
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)		
1	T0052385	Pad, Slider - w/ Dado Cut	1			
2	HNUT-0 500-13Y8	Nut. Hex 1/2-13 Y78	4			

36R-20 36R-22



IAUU	TAU0801 Assy, Silder					
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)		
1	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4			
2	T0052285	Pad, Slider	1	I I I		



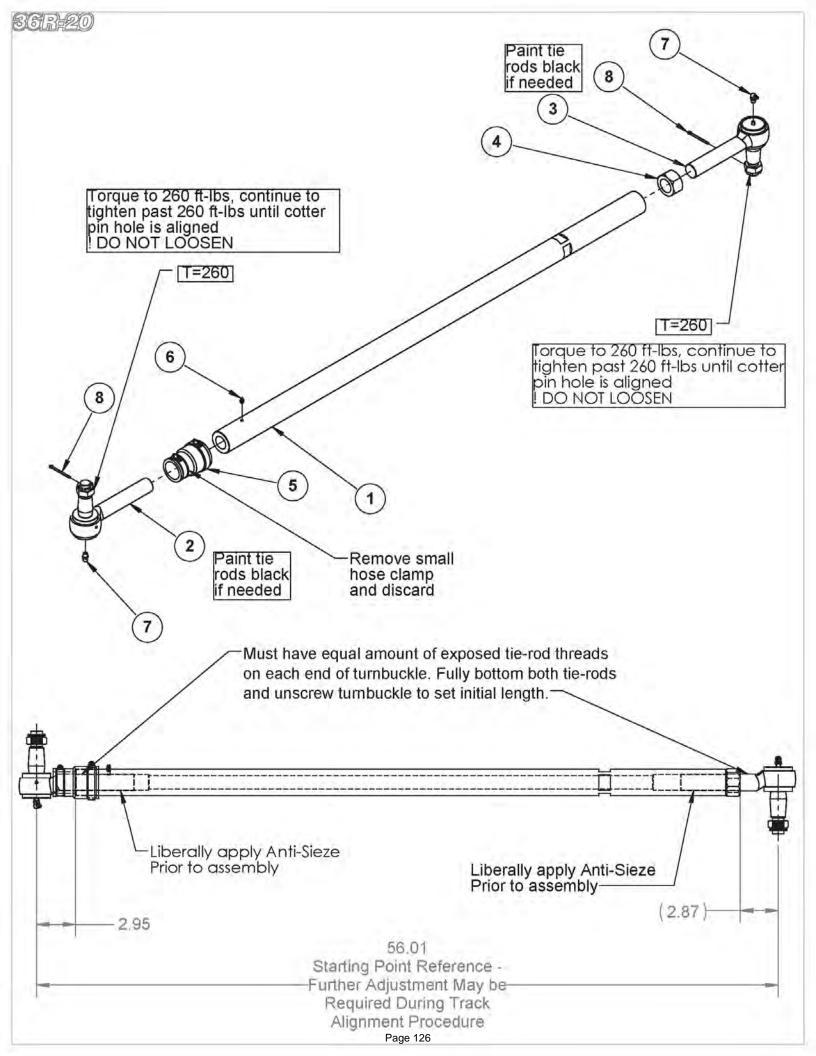
TA01239 Assy, Track Tension Valve

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

Note:

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

Rev. 6/25/2019 12:38:08 PM



TA01168 Assy, Tie Rod 120"

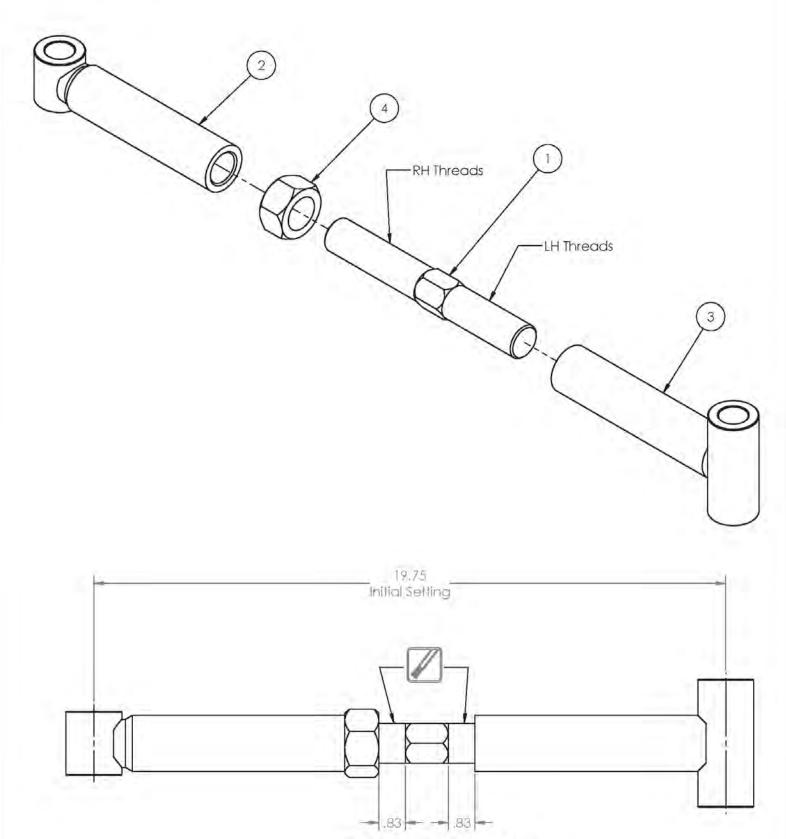
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0054289	Turnbuckle 120"	111	12000
2	T0053839	Tie Rod End, Outter LH Thrds	1 1	
3	T0053945	Tie Rod End, Inner RH Thrds	1	
4	HNUT-1.250-12Y8	Nut, Hex 1-1/4-12 YZ8	1	
5	T0054207	1.5" x 1.25" Rubber Coupling	1	
6	ZERK-0.250-28	Zerk, 1/4-28	1	
7	ZERK-0.250-28X90	Zerk, Grease 1/4-28x90 Deg	2	
8	CTPIN-0.156X2.00	COTTER PIN, 1/8 X 1, SST	2	

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

ALL MODELS Remove and discard small hose clamp 3 6 Threads per Inch 22.858 -Assembled Length Center to Center-± 1/2 Turn

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

24R-20 24R-22 24R-30 36R-20 36R-22 43R-15



Thread lengths must be equal

TA01637 Assy, Turnbuckle

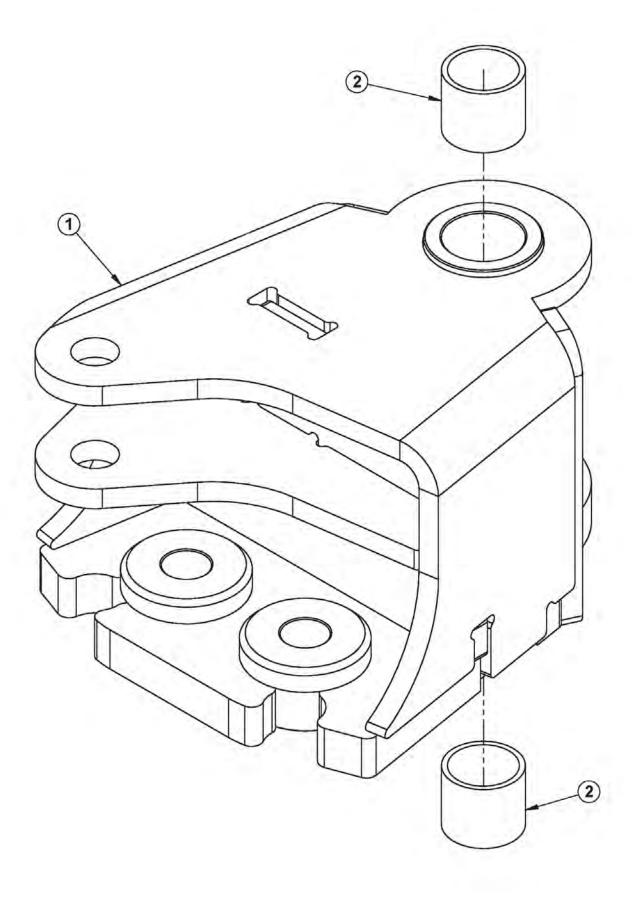
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
- (1)	T0055292	Shaft, Turnbuckle	1 11	
2	TW001289	Wldmt, Turnbuckle RH	1 - 41	
3	TW001290	Widmt, Turnbuckle LH	j - j -	
4	HNUT-1.250-12Y8	Nut, Hex 1-1/4-12 YZ8	1	

Note:

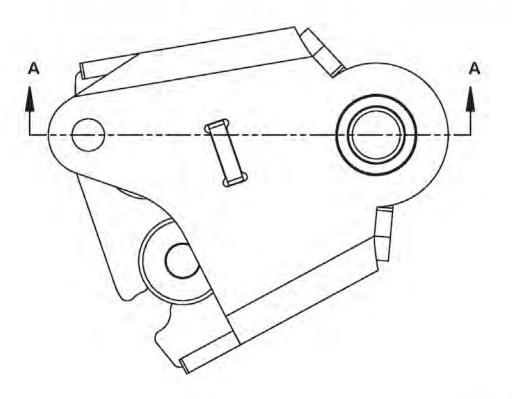
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.

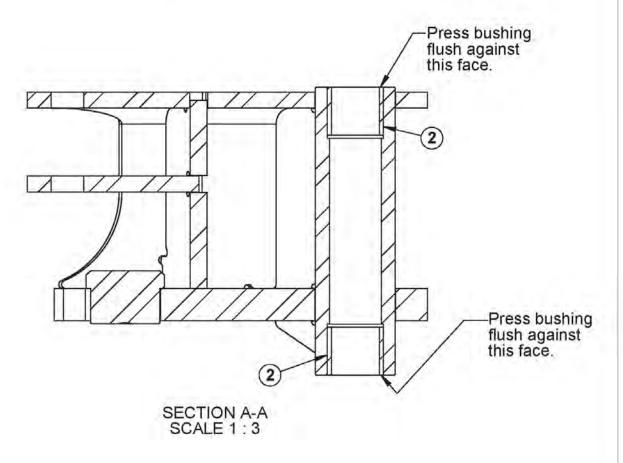


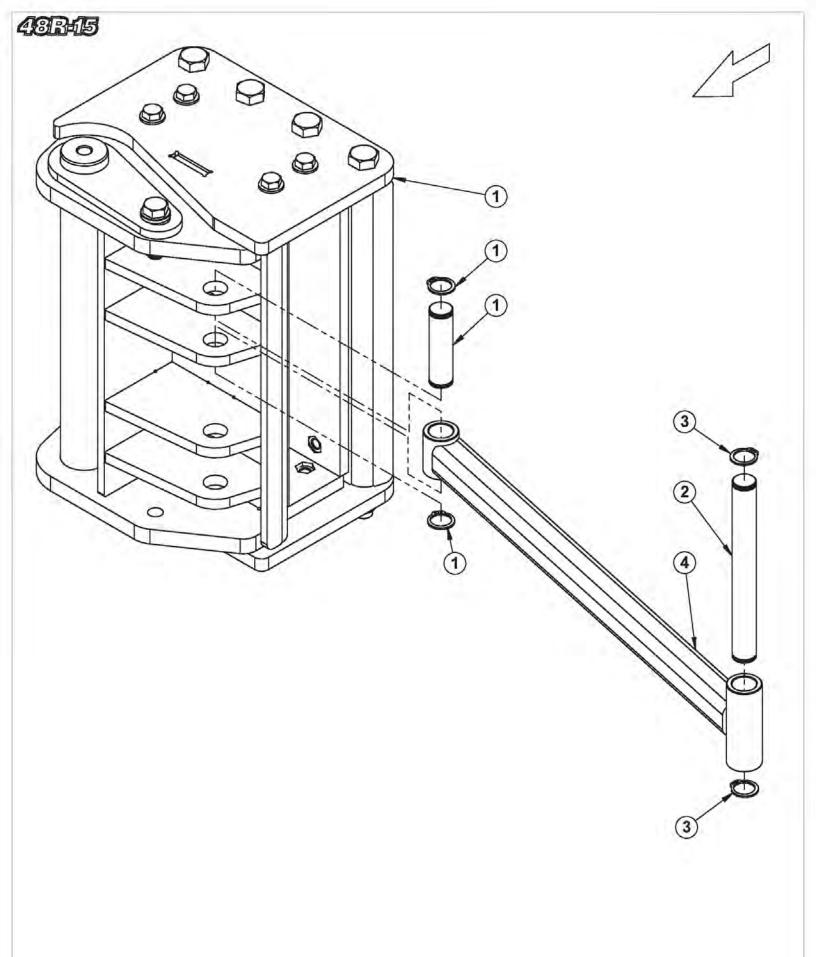
= Apply Anti-Sieze



IAUI	TAUTSTO ASSY, Steering Pivot				
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)	
1	TW001458	Widmt, Steering Pivot	1.1	1000	
2	PB-1,500X1.75X1.50	Bush, Polygon 1.50x1.75x1.50	2		

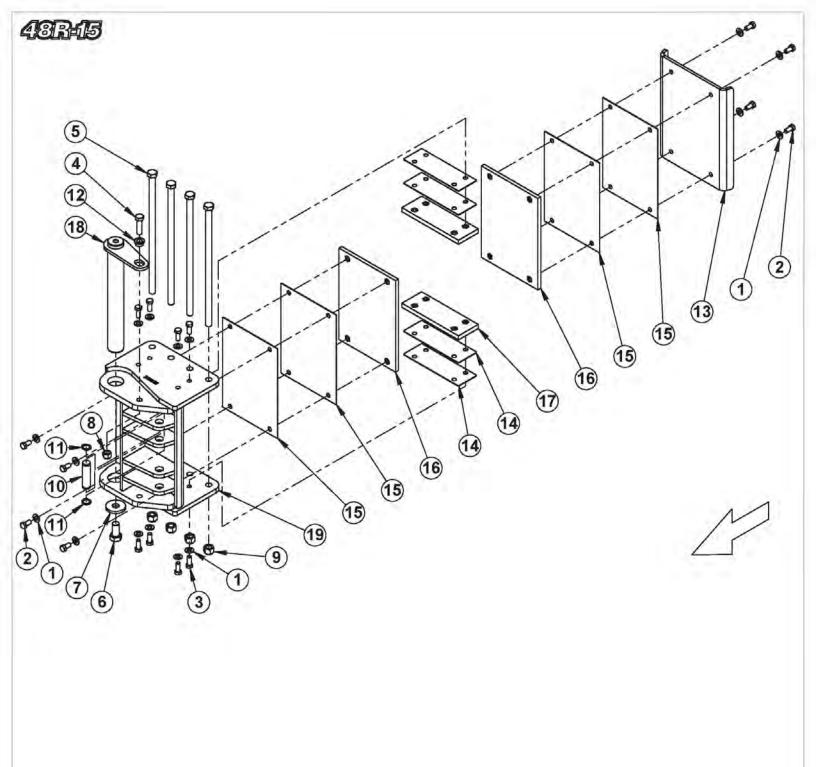






ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	TA01683	Assy, Side Shift Gate Mount	1	
2	PIN-1.000X8.625Y	Pin-1.0000x8.6250-YZ	1	
3	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
4	T\M001487	Widmt Long Side Shift Link	1	

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



ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	16	
2	HB-0.500-13X1.00Y8	Bolt, Hex Hd 1/2-13x1 YZ8	8	
3	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	8	
4	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
5	HB-0.750-10x18.00Y8	Bolt, Hex Hd 3/4-10x18 YZ8	4	
6	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	1	
7	HDWSH-0.89X2.50Y	HD Washer, 57/64x2-1/2 YZ	1	
8	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8		
9	NLNUT-0.750-10Y8	Nylon Lock Nut, 3/4-10 YZ8	4	
10	PIN-1.000X3,38Y	Pin, 1x3-3/8 YZ	1	
11	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	2	
12	T0050854	Anti Rotation Insert	1	
13	T0055389	Plate, Gate Mount Back	1 1	
14	T0056153	Shim, Side Shift Top	4	
15	T0056154	Shim, Side Shift Front	4	
16	TA01684	Assy, Gate Slider Pad	2	
17	TA01685	Assy,Gate Slider Pad	2	
18	TW000794	Pin Weldment	1	

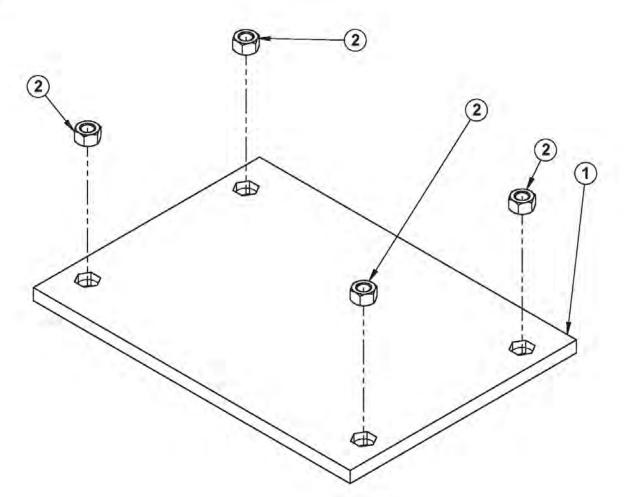
1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.

Widmt, Gate Mount

- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. Use Items 14 and 15 when needed.

TW001326



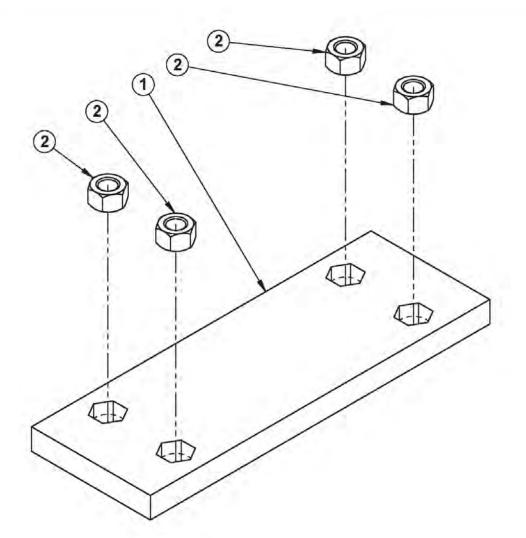


TA01684 A	Assy, Gate	Slider Pad
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0055390	Pad, Slider	1.1	Trans.
2	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4	

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

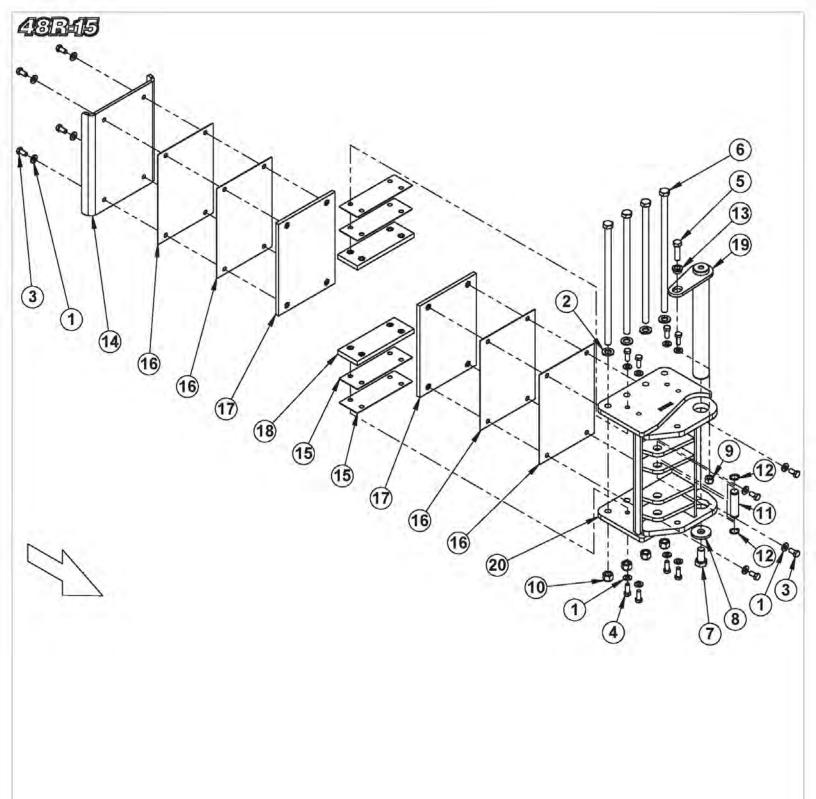




TA01685 Assy, Gate Slider Pad	TA01685	Assy,	Gate	Slider	Pad
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	T0055391	Pad, Slider	1	
2	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4	

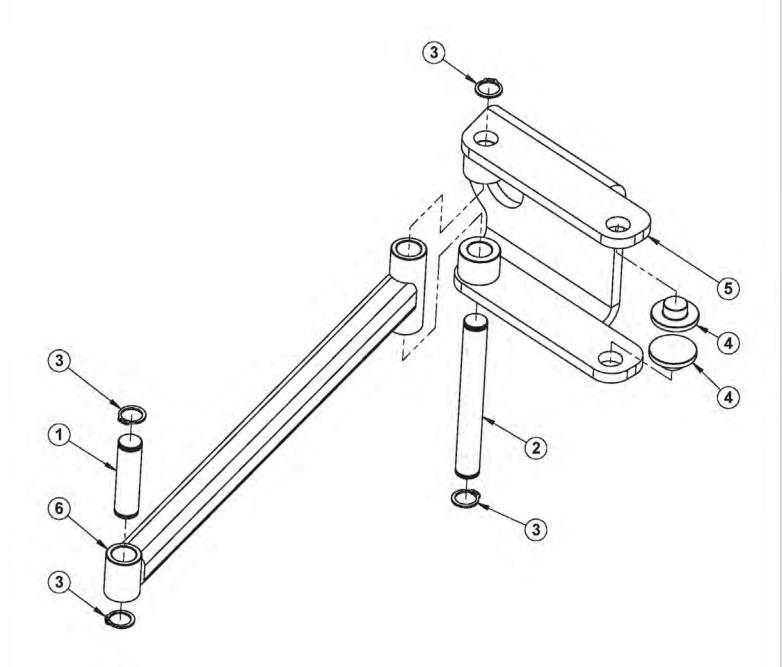
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	16	
2	FW-SAE-0.750Y	Washer, Flat SAE 3/4 YZ	4	
3	HB-0.500-13X1.00Y8	Bolt, Hex Hd 1/2-13x1 YZ8	8	
4	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	8	
5	HB-0.625-11X2.25Y8	Bolt, Hex Hd 5/8-11x2-1/4 YZ8	1	
6	HB-0.750-10x18.00Y8	Bolt, Hex Hd 3/4-10x18 YZ8	4	
7	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	-1	
8	HDWSH-0.89X2.50Y	HD Washer, 57/64x2-1/2 YZ	1	
9	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8		
10	NLNUT-0.750-10Y8	Nylon Lock Nut, 3/4-10 YZ8	4	
11	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
12	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	2	
13	T0050854	Anti Rotation Insert	1	
14	T0055389	Plate, Gate Mount Back	1	
15	T0056153	Shim, Side Shift Top	4	
16	T0056154	Shim, Side Shift Front	4	
17	TA01684	Assy, Gate Slider Pad	2	
18	TA01685	Assy,Gate Slider Pad	2	
19	TW000794	Pin Weldment	-1	
20	TW001326	Wdmt, Gate Mount	1	

- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.
- 3. Use Items 15 and 16 when needed.

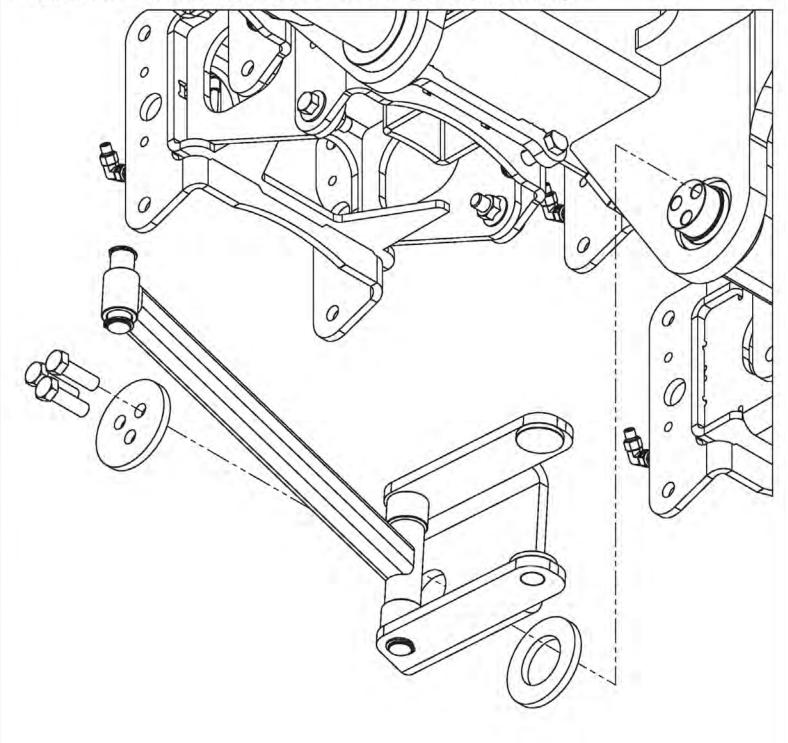


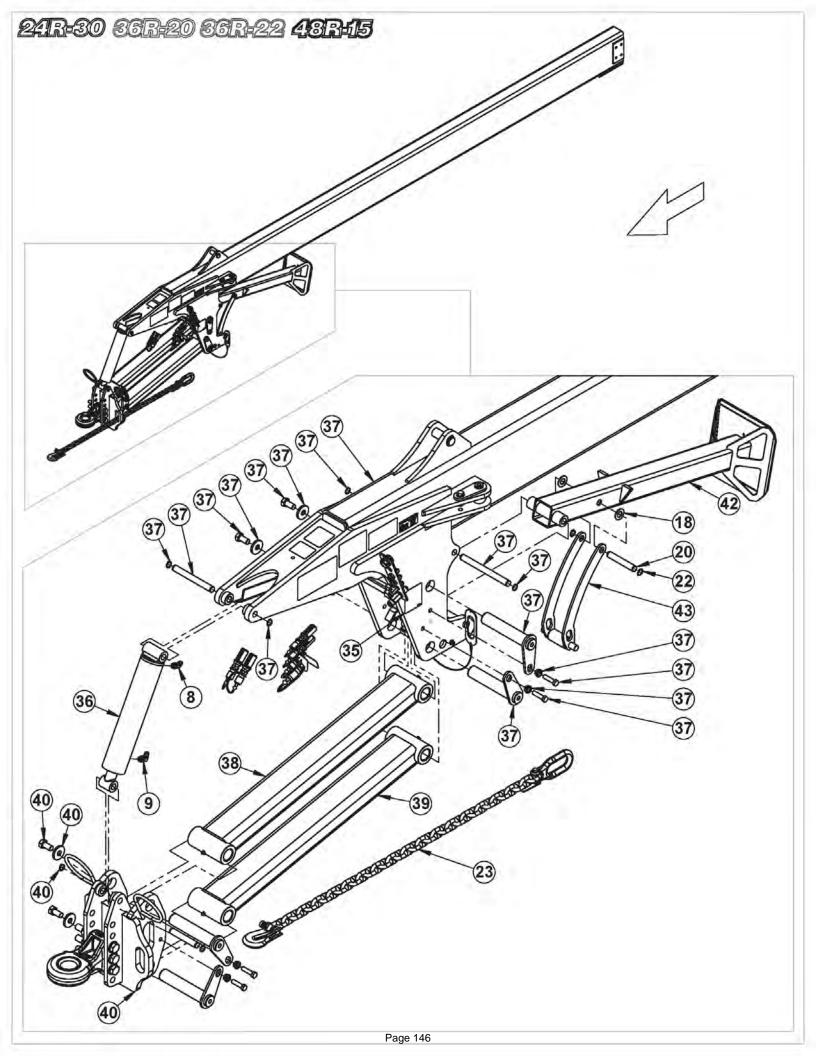




ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	PIN-1.000X3.38Y	Pin, 1x3-3/8 YZ	1	
2	PIN-1.000X7.625Y	Pin-1.0000x7.6250-YZ	- 1	
3	SRING-EXT-HD-1.00Y	Retaining Ring, External 1 HD YZ	4	
4	T0055394	UHMW Bumper	2	
5	TW001327	Widmt, Cylinder Mount	1	
6	TW001487	Widmt, Long Side Shift Link	_1	

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





ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)	
1	90-38-0250	Adapter, Straight, 08 MO x 08 MO	7	(IL-IDS)	
2	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	0.5		
3	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	0.5		
4	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	0.5		
5	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1		
6	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1		
7	AD-08MJ-08MB063	ADAPTER 08MJ-08MB .063" Orifice	1		
8	AD-08MJ-08MB-45	ADAPTER 08MJ-08MB 45	3		
9	AD-08MJ-08MB-90	ADAPTER 08MJ-08MB 90	1		
10	AD-08MJ-08MB	ADAPTER 08MJ-08MB	2		
11	AD-08MJ-08MJ-08MJ-BHR	ADAPTER 08MJT BH RUN	1		
12	AD-08MJ-08MJ-BH	ADAPTER 08MJ-08MJ BH	5		
13	AD-08MJ-08MJ-BH90	ADAPTER 08MJ-08MJ BH 90	1		
14	AD-12MJ-12MB	ADAPTER 12MJ-12MB	1		
15	AD-12MJ-12MJ-12MJ-BHR	ADAPTER 12MJT BH RUN	1		
16	AD-12MJ-12MJ-BH90	ADAPTER 12MJ-12MJ BH 90	1		
17	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2		
18	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	2		
19	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4-YZ8	2		
20	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1		
21	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	2		
22	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2		
23	T0051511	Safety Chain-61,000 lbs. 80"	1		
24	T0051595	Decal, Notice-Fan Motor Case	1		
25	T0051660	Tip, 1/2" Pioneer	7		
26	T0051678	Decal, Notice-Motor Return	1		
27	T0052376	Tip, Motor Return w/Relief	1		
28	T0052377	Tip, Case Drain w/Relief	1		
29	T0052386	Dust Plug, Pioneer Black	7		
30	T0052387	Dust Cap, Motor Return Black	1		
31	T0052388	Dust Cap, Case Drain Black	1		
32	T0055084	Tube Assy, Crossover	1		
33	T0055085	Tube Assy, Crossover	1		
34	T0055125	Valve, Double Blocking	1		
35	T0056033	Decal, Important - Hose Color Chart	1 1 -		
36	TA01496	Cylinder, Hyd 3.50X16.00	1 1		
37	TA01506	Assy, Front Hitch	1		
38	TA01513	Assy, Pivot Tube	1		
39	TA01513	Assy, Pivot Tube	1		
40	TA01792	Assy, Hitch	1		
41	TA02085	Hose Kit, Hyd Hitch	1		
42	TW001495	Widmt, Jack Stand	1		
40	TIADOLAGO	MILE I I D. I C.	1 1		

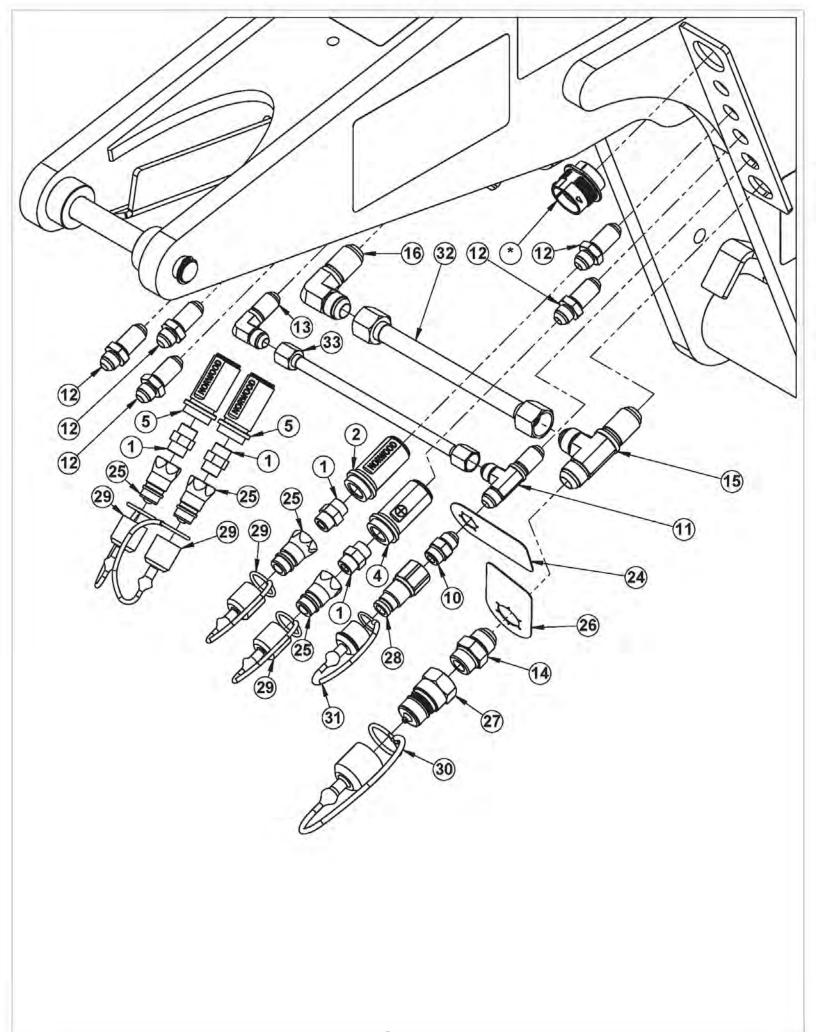
43 Note:

TVV001496

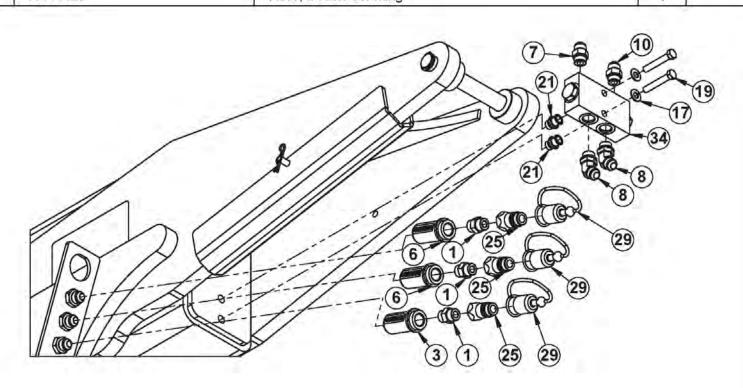
1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.

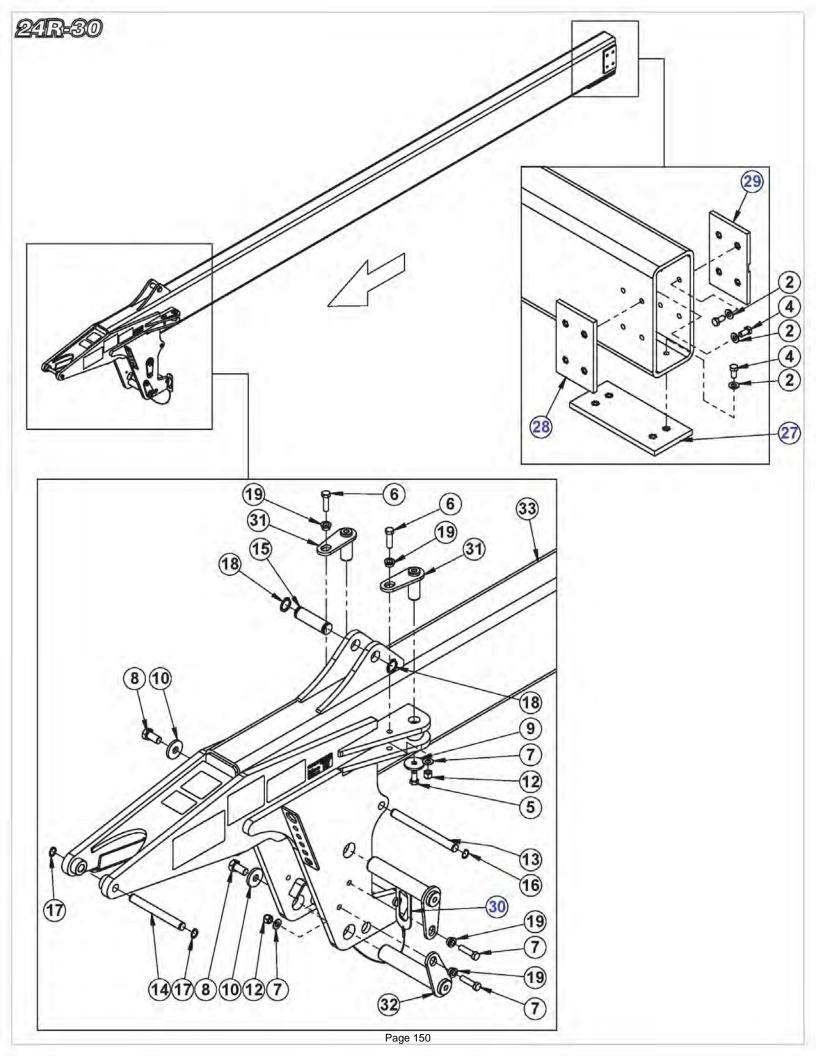
Widmt, Jack Pivot Support

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



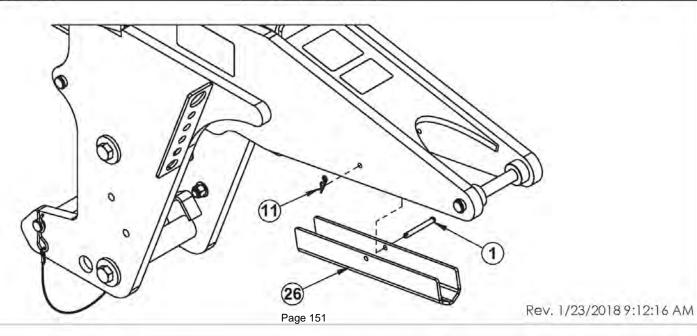
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	90-38-0250	Adapter, Straight, 08 MO x 08 MO	7	(10105)
2	90-38-0251	Hose Grip, 08 FO x 08 FO Blue Set (Plus & Minus)	0.5	
3	90-38-0252	Hose Grip, 08 FO x 08 FO Green Set (Plus & Minus)	0.5	
4	90-38-0253	Hose Grip, 08 FO x 08 FO Gold Set (Plus & Minus)	0.5	
5	90-38-0254	Hose Grip, 08 FO x 08 FO Black Set (Plus & Minus)	1	
6	90-38-0255	Hose Grip, 08 FO x 08 FO Red Set (Plus & Minus)	1	
7	AD-08MJ-08MB063	ADAPTER 08MJ-08MB .063" Orifice	1	
8	AD-08MJ-08MB-45	ADAPTER 08MJ-08MB 45	3	
10	AD-08MJ-08MB	ADAPTER 08MJ-08MB	2	
11	AD-08MJ-08MJ-08MJ-BHR	ADAPTER 08MJT BH RUN	1	
12	AD-08MJ-08MJ-BH	ADAPTER 08MJ-08MJ BH	5	
13	AD-08MJ-08MJ-BH90	ADAPTER 08MJ-08MJ BH 90	1	
14	AD-12MJ-12MB	ADAPTER 12MJ-12MB	1	
15	AD-12MJ-12MJ-12MJ-BHR	ADAPTER 12MJT BH RUN	1	
16	AD-12MJ-12MJ-BH90	ADAPTER 12MJ-12MJ BH 90	1	
17	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	2	
19	HB-0.375-16X2.25Y8	Bolt, Hex Hd 3/8-16x2-1/4-YZ8	2	
21	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	2	
24	T0051595	Decal, Notice-Fan Motor Case	1	
25	T0051660	Tip, 1/2" Pioneer	7	
26	T0051678	Decal, Notice-Motor Return	1	
27	T0052376	Tip, Motor Return w/Relief	1	
28	T0052377	Tip, Case Drain w/Relief	1	
29	T0052386	Dust Plug, Pioneer Black	7	
30	T0052387	Dust Cap, Motor Return Black	1	
31	T0052388	Dust Cap, Case Drain Black	1	
32	T0055084	Tube Assy, Crossover	1	
33	T0055085	Tube Assy, Crossover	1	
34	T0055125	Valve, Double Blocking	1 1	

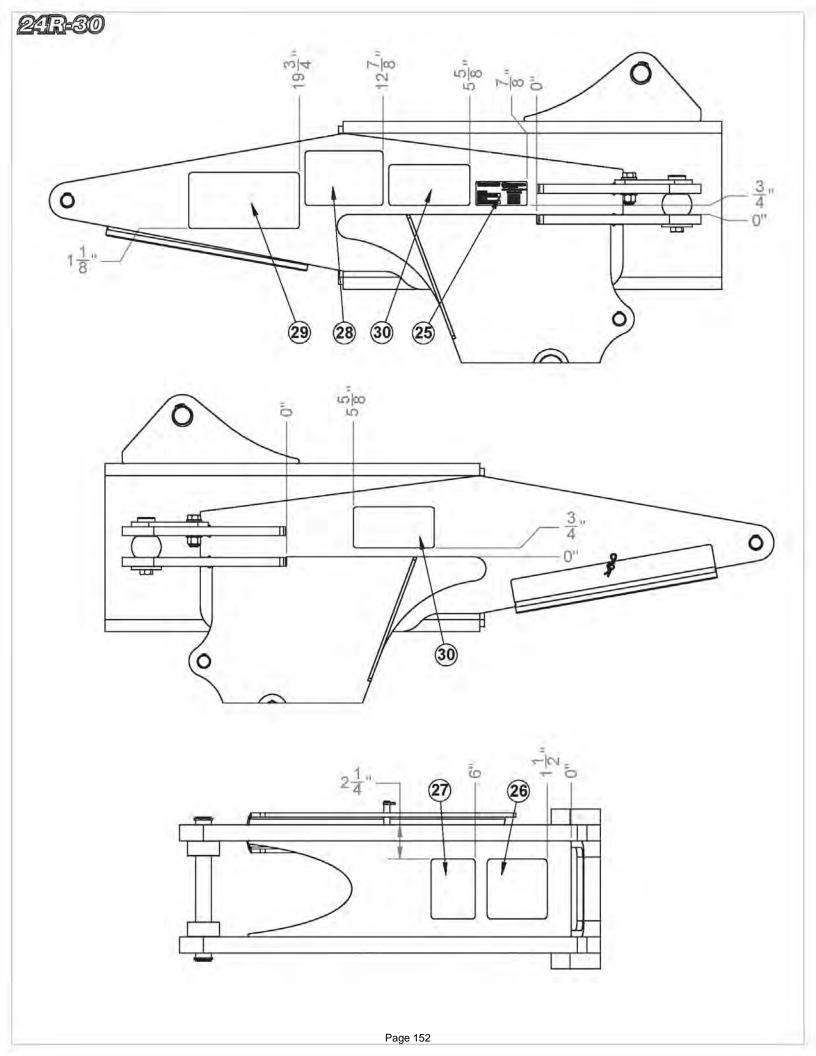




TA01506	Assy,	Front	Hitch
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ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	CLPIN-0.375X3.25Y	Clevis Pin, Ø3/8" X 3-1/4 YZ	1	
2	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	12	
7	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	4	
4	HB-0.500-13X1.00Y8	Bolt, Hex Hd 1/2-13x1 YZ8	12	
5	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	2	
6	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	2	11
7	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	2	
8	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	
9	HDWSH-0.64X2.50Y	HD Washer 0.64 x 2.50	2	
10	HDWSH-0.89X2.50Y	HD Washer 0.89 x 2.50	2	
11	HPINCLIP-0.313 YZ	Hair Pin Clip-Ø5/16" YZ	1	
12	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	4	
13	PIN-1.000X10.63Y	Pin-1.0000x10.625-YZ	1	
14	PIN-1.000X8.625Y	Pin-1.0000x8.6250-YZ	1	
15	PIN-1.50X4.50Y	Pin-1.50x4.50-YZ	1	
16	SRING-EXT-1.00	Ring, Retaining Ext Shaft-1.0"	2	
17	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
18	SRING-EXT-HD-1.50Y	SRING-EXT-HD-1.50Y	2	
19	T0050854	Anti Rotation Insert	4	
20	T0051573	Decal, Warning-Machine Safety	- 1	
21	T0051575	Decal, Warning-Tipping Hazard	2	
22	T0051669	Decal, Warning-Hyd Fluid	1	
23	T0051702	Decal, Important-Case Drain	1	
24	T0053462	Decal, Warning-Machine Transp	1	
25	T0055737	Decal, S/N Yieldtrac (Generic)	1	
26	T0055769	Channel, Transport Lock	1	
27	TA00800	Slider Assembly	1	
28	TA00801	Assy, Slider	1 1	
29	TA00843	Assy, Slider	1	
30	TA01514	Assy, Hitch Pin With Lanyard	1	
31	TW000630	Pin Weldment	2	
32	TW000950	Pin Weldment	2	
33	TW001248	Widmt, Front Hitch	1	1

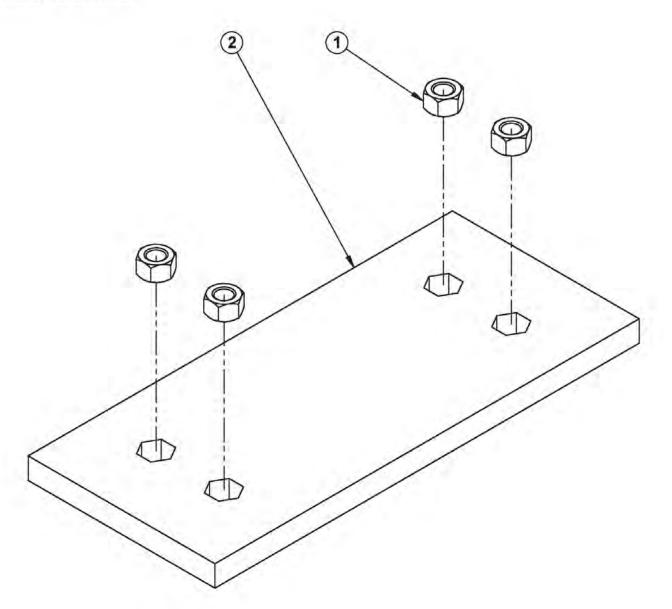




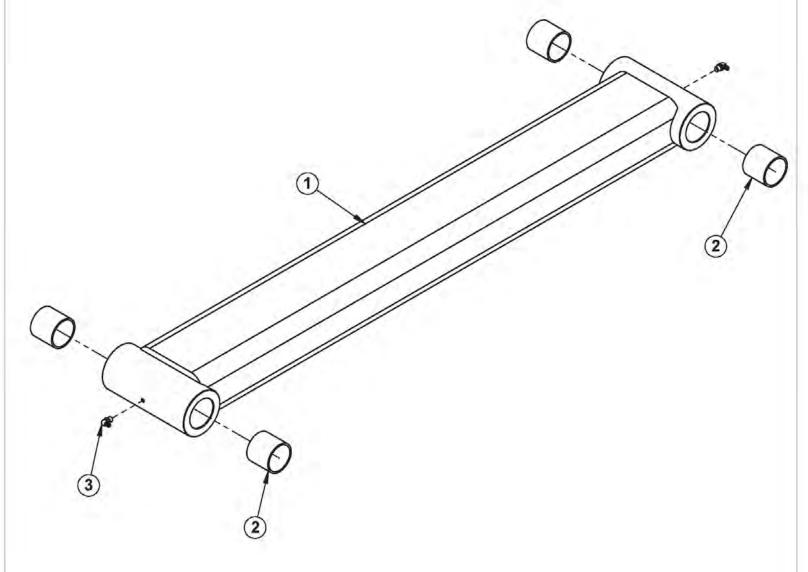
TA01506	Assy,	Front	Hitch
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
25	T0055737	Decal, S/N Yieldtrac (Generic)	111	TY-YE
26	T0051669	Decal, Warning-Hyd Fluid	-1-	
27	T0051702	Decal, Important-Case Drain	1 1 -	
28	T0051573	Decal, Warning-Machine Safety	1	
29	T0053462	Decal, Warning-Machine Transp	1	
30	T0051575	Decal, Warning-Tipping Hazard	2	
31	T0055769	Channel, Transport Lock	1	
32	CLPIN-0.375X3.25Y	Clevis Pin, Ø3/8" X 3-1/4 YZ	1	
33	HPINCLIP-0.313 YZ	Hair Pin Clip-Ø5/16" YZ	1	

36R-20 86R-22



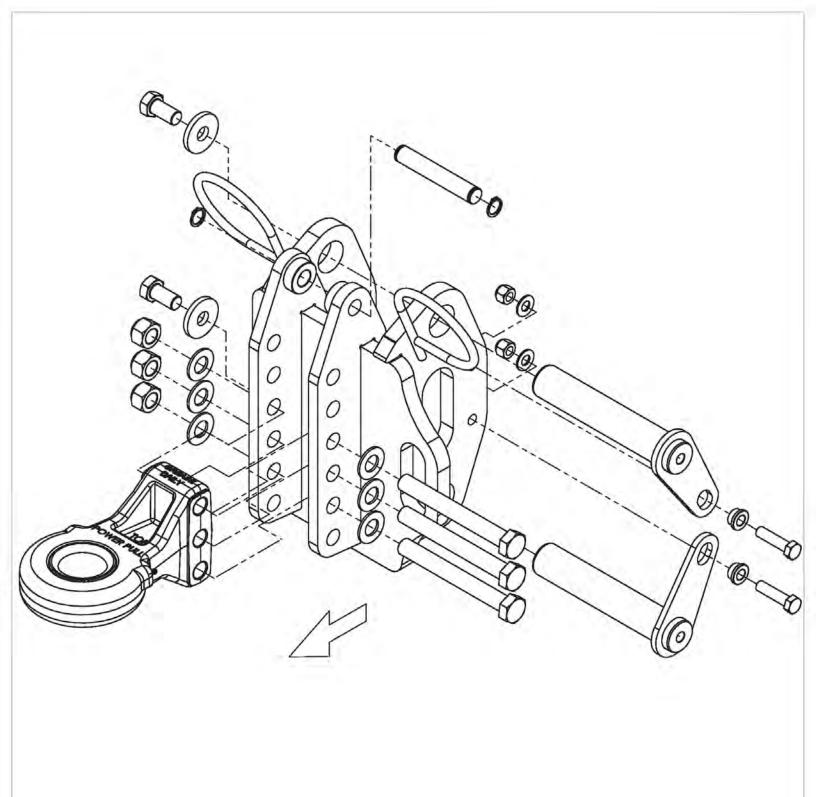
TA008	TA00800 Slider Assembly					
ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)		
1	HNUT-0.500-13Y8	Nut, Hex 1/2-13 YZ8	4			
2	T0052284	Pad, Slider	1	I II II I		



TA01513 Assy, Pivot Tube

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

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

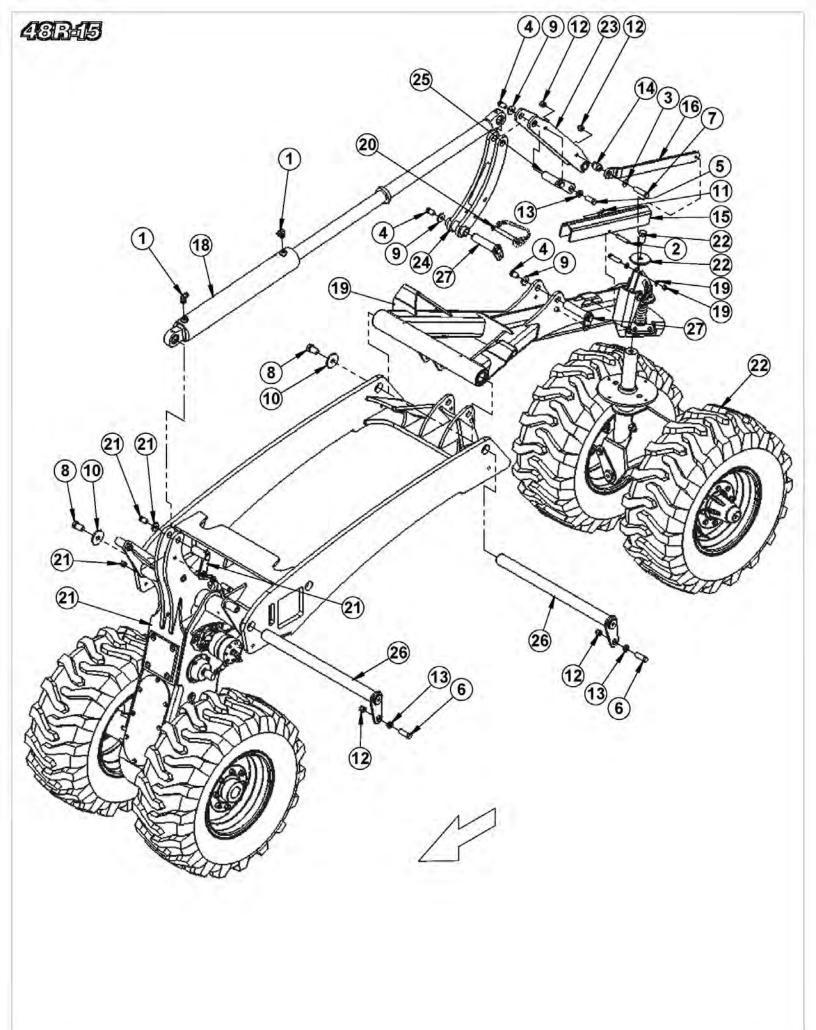


TA01792 Assy, Hitch

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.625Y	Washer, Flat-SAE-5/8	2	117-7-1
2	FW-SAE-1.000Y	Washer, Flat SAE-1.0-YZ	6	
3	HB-0.625-11X2.50Y8	Bolt, Hex Head-5/8-11x2.5-YZ8	2	
4	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	
5	HB-1.000-8X8.50Y8	Bolt, Hex Head-1.0-8x8.5-YZ8	3	
6	HDWSH-0.89X2.50Y	HD Washer 0.89 x 2.50	2	
7	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	2	
8	NLNUT-1.000-8Y8	Nut, Nylock-1.0-8-YZ8	3	
9	PIN-1.000X5.75Y	Pin-1.0000x5.750-YZ	1	
10	SRING-EXT-HD-1.00Y	SRING-EXT-HD-1.00Y	2	
11	T0050854	Anti Rotation Insert	2	
12	T0053463	CAT 5 Ball Hitch Assy	1	
12	T0053463	CAT 5 Ball Hitch Assy	1	
13	TW000950	Pin Weldment	2	
14	TW001252	Widmt, Front Hitch	1	

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

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



TA01682 Assy, 48R15 Wing Wheel TORQUE PART NUMBER QTY. ITEM DESCRIPTION (ft-lbs) 2 1 AD-08MJ-08MB-90 ADAPTER 08MJ-08MB 90 2 CLPIN-0.375X3.25Y Clevis Pin, Ø3/8" X 3-1/4 YZ 1 3 1 FW-USS-0.563Y Washer, Flat USS 9/16"-YZ Bolt, Hex Head-5/8-11x1.25-YZ8 3 4 HB-0.625-11X1.25Y8 5 HB-0.625-11X2.00Y8 Bolt, Hex Head-5/8-11x2-YZ8 1 2 6 HB-0.625-11X2.50Y8 Bolt, Hex Head-5/8-11x2.5-YZ8 7 HB-0.625-11X3.25Y8 Bolt, Hex Hd-5/8-18x3-1/4-YZ8 1 2 8 HB-0.875-9X1.75Y8 Bolt, Hex Hd 7/8-9x1-3/4-YZ8 3 9 HDWSH-0.64X1.75Y HD Washer 0.64 x 1.75 HD Washer 0.89 x 3.00 2 10 HDWSH-0.89X3.00Y 1 11 HPINCLIP-0.313 YZ Hair Pin Clip-Ø5/16" YZ 4 12 NLNUT-0.625-11Y8 Nut, Nylock-5/8-11-YZ8 3 13 T0050854 Anti Rotation Insert T0053703 1 14 Standoff, Brake Link 15 T0054022 Channel - Wing Cylinder Stop 16 Link. Brake Release 1 T0054023 4 17 T0054284 Decal, 20 psi & 140 Lug Torque 18 TA01095 Cylinder, Hyd 3.75X25.00 Reph 19 TA01102 Assy, Rear Wing Wheel Arm 1 20 TA01111 Lock Pin Asm 1 21 TA01698 Assy, 48R15 Front Wing Whl 1 1 22 TA01699 Assy, Rear Caster Wheel 23 TW001052 Widmt, Wing Wheel Link 1 Widmt, Wing Wheel Link 1 24 TW001053 25 Pin Weldment 1 TW001056

27 Note:

26

TW001058

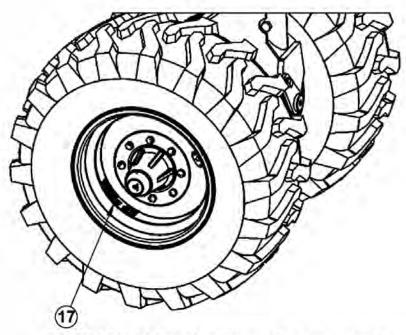
TW001073

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

Pin Weldment

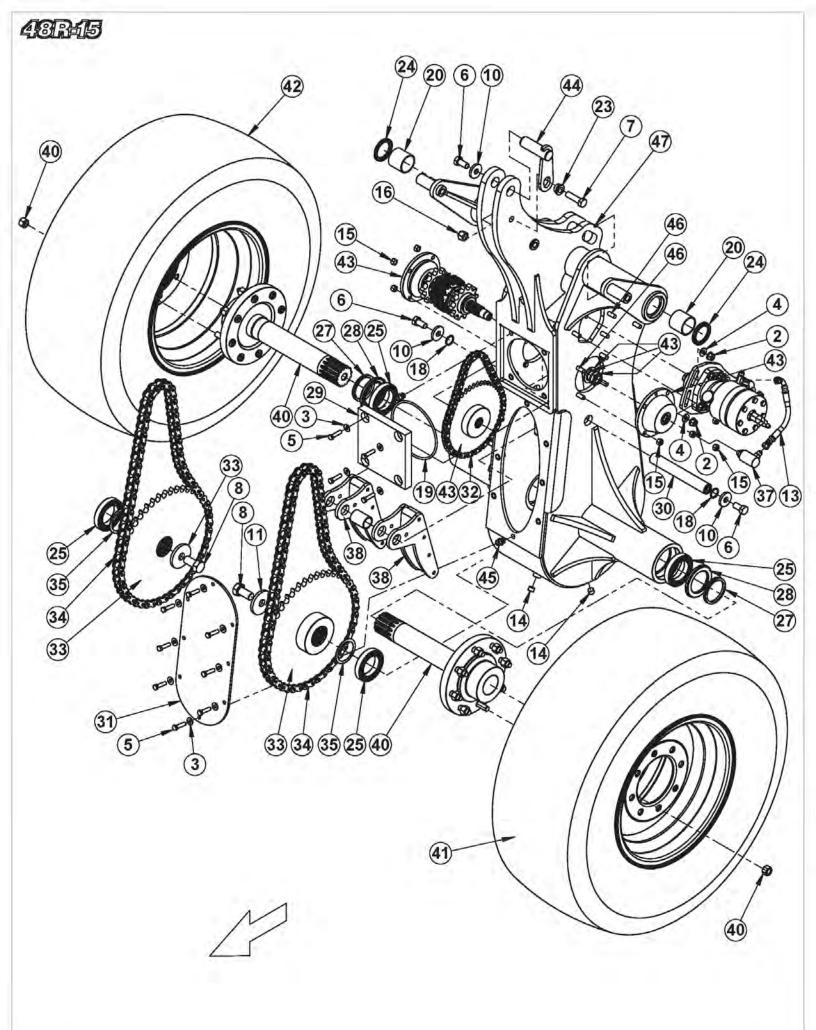
Pin Weldment

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



P/N T0054284 Decal to be installed on outer rim location as shown 4 places (8 Total per machine)

2



TA01698 Assy, 48R15 Front Wing Whl (Sheet 1 of 2)

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQU (ft-lbs)
1	324049A1	Sensor, Hall Effect Zero Speed	1	(IL-IDS)
2	FLTLN-0.438-20C8	Nut, TL Hex Flange 7/16-20 CZ8	5	
3	FW-USS-0.313Y	Washer, Flat USS 5/16-YZ	12	
4	FW-USS-0.375YTH	Washer, FI 3/8 USS Th-Hrd YZ	5	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	12	
6	HB-0.625-11X1.25Y8	Bolt, Hex Head-5/8-11x1.25-YZ8	3	
7	HB-0.625-11X2.25Y8	Bolt, Hex Head-5/8-11x2.25-YZ8	1	
8	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4-YZ8	2	
9	HBFT-0.625-11X3.50Y8	HBolt-0.6250-11x3.500-FT-YZ8	2	
10	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	3	
11	HDWSH-0.89X3.00Y	HD Washer 0.89 x 3.00	2	
12	HNUT-0.625-11Y8	Nut, Hex 5/8-11 YZ8	2	
13	HS04-009-06FJ-06FJ90-A	Hose 0.25-009-06FJX-06FJX90-A (D6)	1	
14	HSPLUG-0.375-NPTFC	Plug, Hex Skt 3/8-18 NPTF CZ	2	
15	NLNUT-0.438-20Y8	NLNut-7/16-20-YZ8	8	
16	NLNUT-0.625-11Y8	Nut, Nylock-5/8-11-YZ8	1	
17	ORING-1.130X.103	O-Ring, Ø1.130OD X Ø.103	1	1
18	ORING-1.250X.125	O-Ring, Ø1-1/4OD X Ø1/8	2	
19	ORING-7.375X.188-N	O-Ring, Ø7.38ODxØ.188 Nitrile	1 1 -	
20	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
21	RN-0.375-163144-Y	Rivnut, 3/8-16 UNC .3144 GR	12	1
22	SRING-EXT-1.13Y	Ring, Retaining Ext-1.125"	1	
23	T0050854	Anti Rotation Insert	1	
24	T0051585	2.00 Grease Seal	2	
25	T0053142	Ball Bearing, 65mm	4	
26	T0053144	Bushing, Tensioner Pivot	1	
27	T0053269	Face Seal	2	
28	T0053270	Seal	2	1
29	T0053552	Slider Block	1	
30	T0053553	Bushing, Tensioner Pivot	1	
31	T0053634	Cover	1	1
32	T0053925	#50 Roller Chain 56P	1	
33	T0055821	Sprocket, 45T #80 Machined	2	
34	T0054278	72 Pitches 80 Pitch Chain	2	
35	T0054282	Drive Wheel Spacer	2	
36	T0054293	Harness, Wheel Drive	1	
37	T0054233	Adapter, 06MJ-06MB-90 Swivel	1	1
38	TA01089	Tensioner, Wheel Drive	2	
39	TA01115	Motor Drive Assy	1	
40	TA01369	Hub Assy	2	
41	TA01371	Wheel Assy	1	1
42	TA01372	Wheel Assy	1	
43	TA01388	Assy, Diff Lock Shaft	1	
44	TW001106	Pin Weldment	1	1
45	TW001333	Widmt, 48R15 Frt Wing WhI	1	1
46	WS-0.438-20X1.5C8	Stud, Wheel 7/16-20x1.5 CZ	13	
-10	X X O 0. TOO LON 1.000	Zerk, 1/4-28	2	1

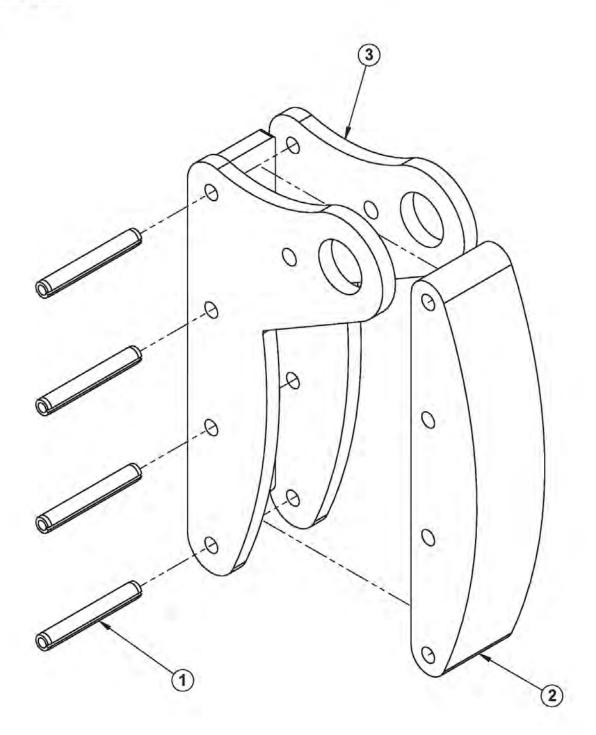
^{1.} T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.

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

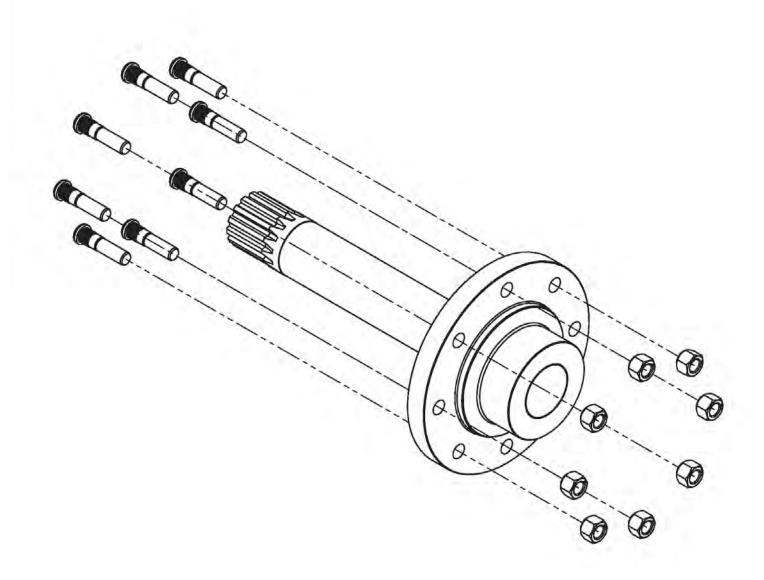
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TA01698 Assy, 48R15 Front Wing Whl (Sheet 2 o	TA01698	Assv. 48R15	Front Wing Wh	(Sheet 2 of 2)
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
12	HNUT-0.625-11Y8	Nut, Hex 5/8-11 YZ8	2	1777
17	ORING-1.130X.103	O-Ring, Ø1.130OD X Ø.103	1 - 1 -	
22	SRING-EXT-1.13Y	Ring, Retaining Ext-1.125"	-1-	
36	T0054293	Harness, Wheel Drive	1	
45	TW001333	Wldmt, 48R15 Frt Wing WhI	1	

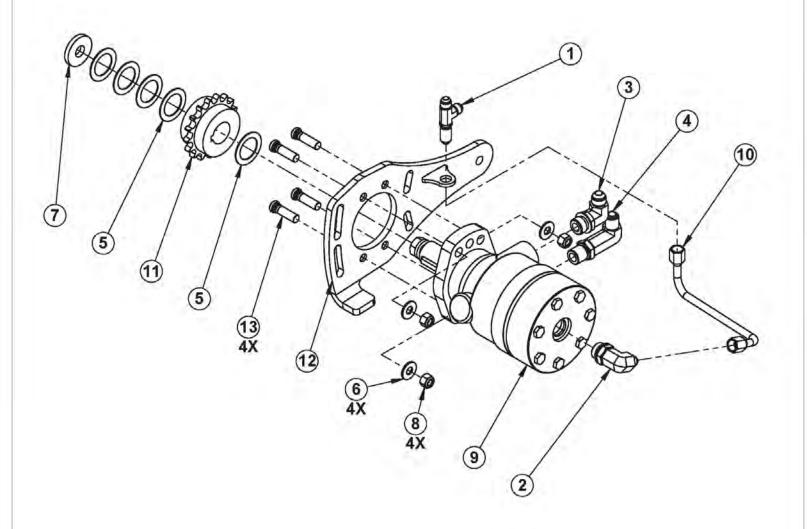


TA01089 Tensioner, Wheel Drive					
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)	
1	RPIN375X2.75	Pin, Spring 3/8x2-3/4	4		
2	T0052064	Slide, Chain Tensioner	1		
3	TW001031	Tensioner Weldment	1		



ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	TW001460	Axle, 15/20 Wing Wheel	1	11011007
2	WHNUT-0.625-18C8	Nut, Wheel 5/8-18 Gr8 CZ	8	
3	WS-0.625-18X2.50C8	Stud. Wheel 5/8-18 Gr8 CZ	8	

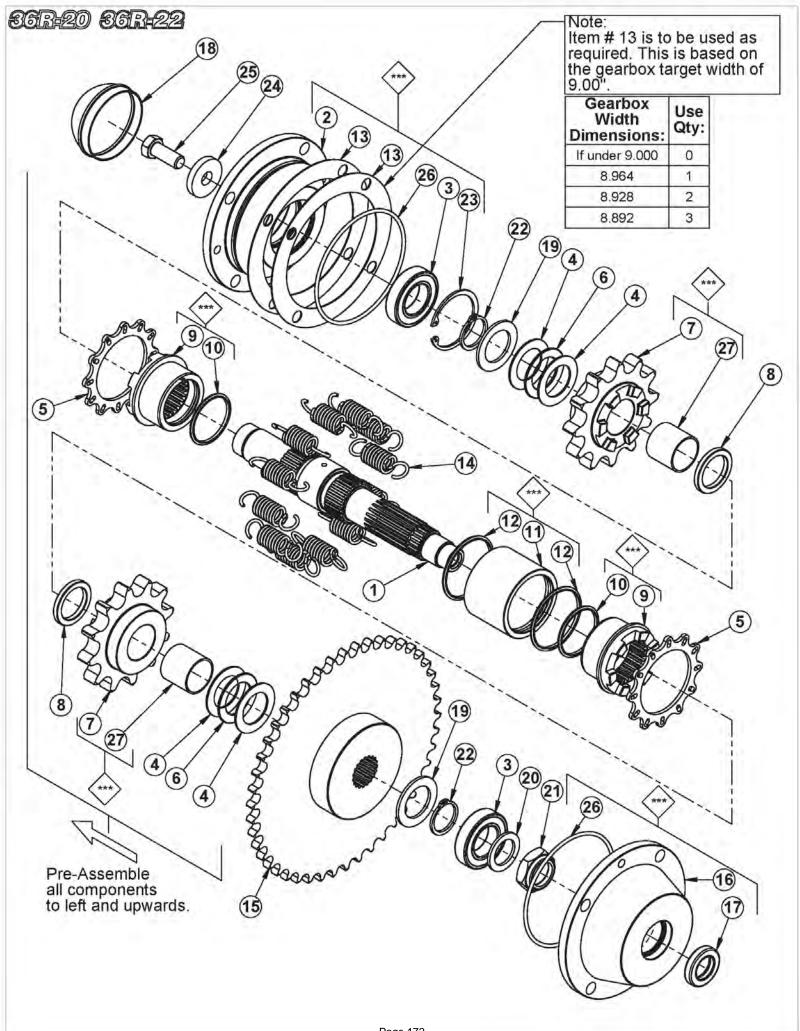
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



TA01115 Motor Drive Assy

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	AD-06MJ-06MJ-06MJ-BHR	ADAPTER 06MJT BH RUN	1	
2	AD-06MJ-10MB-90	ADAPTER 06MJ-10MB 90	1	
3	AD-08MJ-10MB-90	ADAPTER 08MJ-10MB 90	1	
4	AD-08MJ-10MB-90LL	ADAPTER 08MJ-10MB 90LL	1	
5	FW-MB-1.250Y-18GA	Washer, Flat MB 1.250 18GA YZ	5	
6	FW-USS-0.375YTH	Washer, FI 3/8 USS Th-Hrd YZ	4	
7	HDWSH-0.64X1.75Y	HD Washer 0.64 x 1.75	1	
8	NLNUT-0.438-20Y8	NLNut-7/16-20-YZ8	4	
9	T0053927	Motor, Wheel Drive 260cc	1	
10	T0054357	Tube Assy, Wing Wheel	1	
11	T0055820	Sprocket, 17T #50 Machined	1	
12	TW001121	Widmt, Motor Mount	1	
13	WS-0.438-20X1.5C8	Stud, Wheel 7/16-20x1.5 CZ	4	

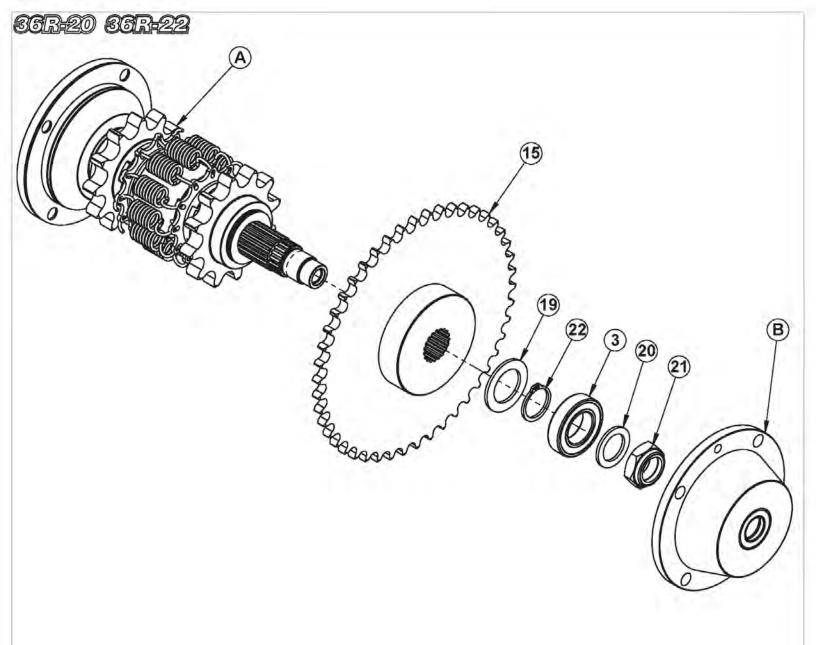
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TA01388 Assy, Diff Lock Shaft (Sheet 1 of 2)

ITEM	PART NUMBER	PART NUMBER DESCRIPTION		TORQUE (ft-lbs)
1	T0054982	Shaft, Diff Lock	- 1	
2	T0054267	Cover, Wing Whl Shaft	1	
3	T0053561	Brg, Ball 30mm Deep Groove	2	
4	T0054272	Thrust Washer	4	
5	T0054265	Spring Retainer	2	
6	T0054274	Needle Thrust Bearing	2	
7	T0054256	12 Tooth 80 Chain Sprocket	2	
8	T0054281	Spacer, 1.72" OD X .200"	2	
9	T0054254	Shaft Collar Splined	2	
10	T0054276	Seal Kit - 1.75 Diameter	2	
11	T0054266	Sleeve	1	
12	T0054277	Seal Kit - 2.25 Diameter	2	
13	T0054273	Shim	2	
14	T0054275	Spring, Extension	12	
15	T0053758	Sprocket, 46T #50 Splined	1	
16	T0054985	Cover, Wing Wheel	1	
17	T0054983	Seal	1	
18	T0051973	Ag Dust Cap	1	
19	T0054439	Spacer	2	
20	T0054984	Washer	1	
21	NLJNUT-1.000-14Y8	Nut, Nylock Jam 1-14 YZ8	1	
22	SRING-EXT-HD-1.188Y	SRING-EXT-HD-1.188Y	2	
23	SRING-INT-M55	Snap Ring M55	1	
24	HDWSH-0.50X1.50	HD Washer 0.50 x 1.50	1	
25	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	1	
26	ORING-4.500X.125	O-Ring, Ø4.50 OD X Ø.125	2	
27	PB-1.250X1.38X1.25	Bush, Polygon 1.25x1.375x1.25	2	

Notes: 1. *** Pre-Assemble these components.



Pre-Assembly before insertion

TA01388 Assy, Diff Lock Shaft (Sheet 2 of 2)

ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	T0054982	Shaft, Diff Lock	1	1:12" 6:4
2	T0054267	Cover, Wing Whl Shaft	1	
3	T0053561	Brg, Ball 30mm Deep Groove	2	
4	T0054272	Thrust Washer	4	
5	T0054265	Spring Retainer	2	
6	T0054274	Needle Thrust Bearing	2	
7	T0054256	12 Tooth 80 Chain Sprocket	2	
8	T0054281	Spacer, 1.72" OD X .200"	2	
9	T0054254	Shaft Collar Splined	2	
10	T0054276	Seal Kit - 1.75 Diameter	2	
11	T0054266	Sleeve	1	
12	T0054277	Seal Kit - 2.25 Diameter	2	
13	T0054273	Shim	2	
14	T0054275	Spring, Extension	12	
15	T0053758	Sprocket, 46T #50 Splined	1	
16	T0054985	Cover, Wing Wheel	1	
17	T0054983	Seal	1	
18	T0051973	Ag Dust Cap	1	
19	T0054439	Spacer	2	
20	T0054984	Washer	1	
21	NLJNUT-1.000-14Y8	Nut, Nylock Jam 1-14 YZ8	1	
22	SRING-EXT-HD-1.188Y	SRING-EXT-HD-1.188Y	2	
23	SRING-INT-M55	Snap Ring M55	1	
24	HDWSH-0.50X1.50	HD Washer 0.50 x 1.50	1	
25	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	1	
26	ORING-4.500X.125	O-Ring, Ø4.50 OD X Ø.125	2	
27	PB-1.250X1.38X1.25	Bush, Polygon 1.25x1.375x1.25	2	

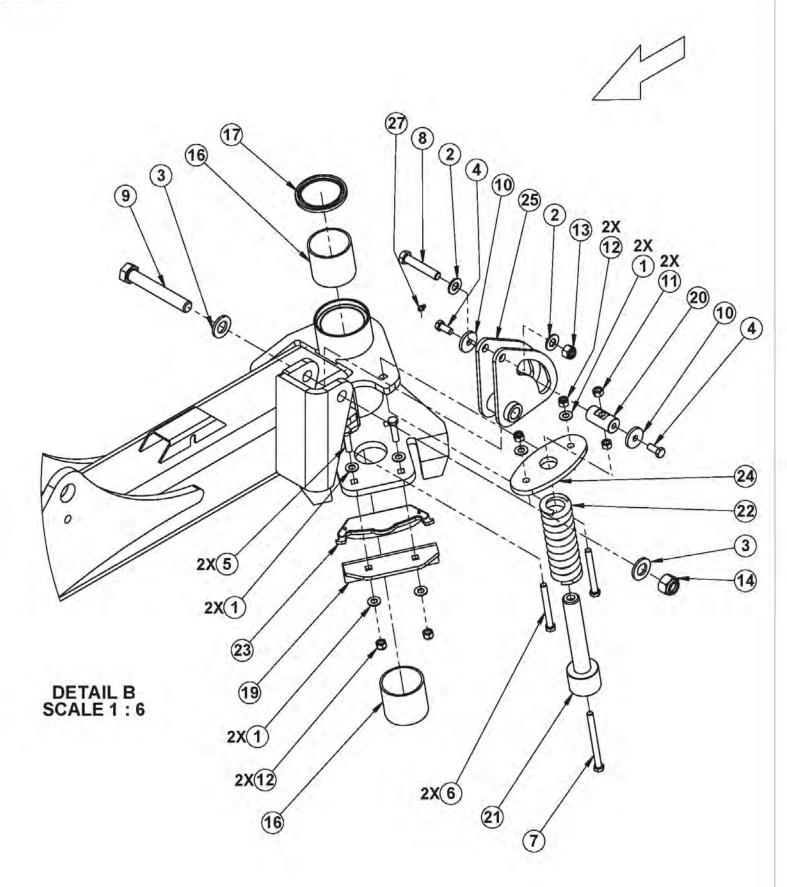
Note

Pre-Assemble as shown into sub assemblies.

"A" Will consist of the following Item numbers: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,18,19, 20, 22, 23, 24, 25,

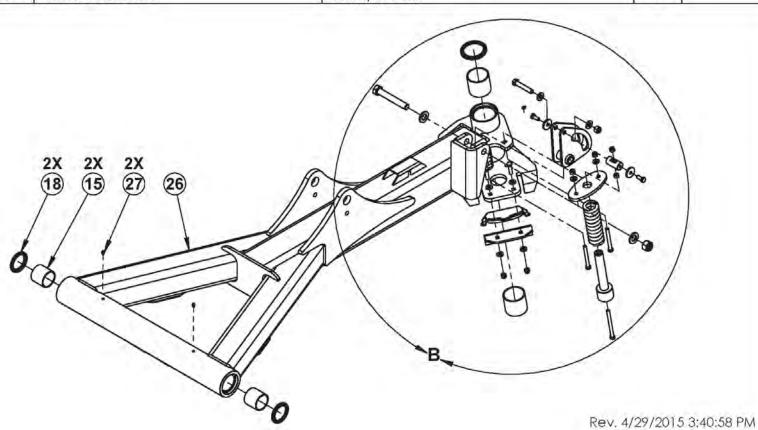
"B" Will consist of the following Item numbers: 3, 16, 17, 21, 24

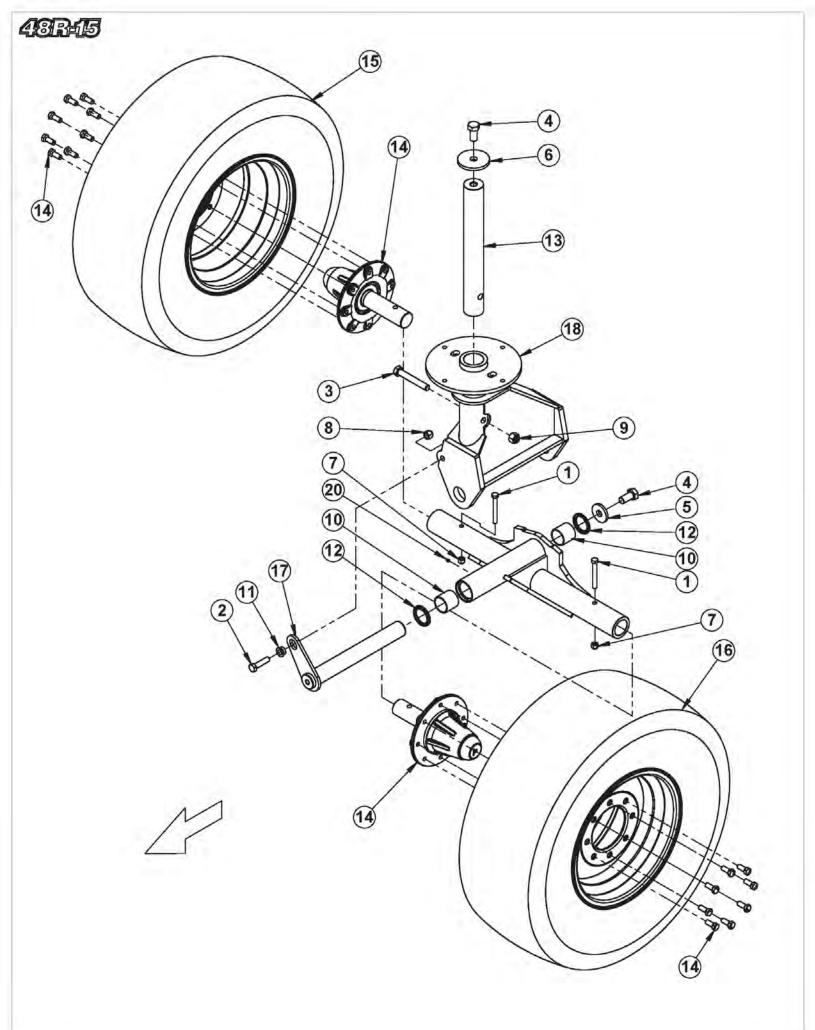
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TA01102 A	ssy, Rear	Wing V	Vheel .	Arm
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ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	6	7.127.54
2	FW-SAE-0.500Y	Washer, Flat SAE - 1/2-YZ	2	
3	FW-SAE-0.750Y	Washer, Flat-SAE 3/4 YZ	2	
4	HB-0.375-16X0.88Y8	Bolt, Hex Hd 3/8-16x7/8-YZ8	2	
5	HB-0.375-16X1.50Y8	Bolt, Hex Hd 3/8-16x1-1/2-YZ8	2	
6	HB-0.375-16X3.50FY8	Bolt, Hex Hd 3/8-16x3-1/2FTYZ8	2	
7	HB-0.375-16X4.50FY8	HBolt-0.3750-16x4.500-YZ8	1	
8	HB-0.500-13X2.75Y8	Bolt, Hex Hd 1/2-13x2-3/4 YZ8	1	
9	HB-0.750-10X5.00Y8	Bolt, Hex Hd 3/4-10x5-YZ8	1	
10	HDWSH-0.375X1.375Y	HD Washer 0.375 x 1.375	2	
11	HNUT-0.375-16Y8	Nut, Hex 3/8-16 YZ8	2	
12	NLNUT-0.375-16Y8	Nut, Nylock 3/8-16 YZ8	4	
13	NLNUT-0.500-13Y8	Nut, Nylock 1/2-13 YZ8	1	
14	NLNUT-0.750-10Y8	Nut, Nylock 3/4-10-YZ8	1	
15	PB-2.000X2.25X2.00	Polylube Bush, Ø2.00xØ2.25x2.00	2	
16	PB-2.500X2.75X2.50	Bush, Polygon 2.500x2.75x2.50	2	
17	T0051584	2.50 Grease Seal	1	
18	T0051585	2.00 Grease Seal	2	
19	T0053697	Bracket, Brake Pad Retainer	-1-1	
20	T0053700	Anchor	1	
21	T0053701	Piston	1	
22	T0053702	Spring, Compression	1	
23	T0053706	Brake Pad Piston Side	1	
24	T0054016	Plate, Spring Retention	1	
25	TW000986	Widmt, Spring Release	1	
26	TW001055	Widmt, Rear Wing Wheel Arm	1	
27	ZERK-0.250-28	Zerk, 1/4-28	3	





TA01699 Assy, Rear Caster Wheel

ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE (ft-lbs)
1	HB-0.500-13X4.00Y8	Bolt, Hex Hd 1/2-13x4 YZ8	2	2,75.77
2	HB-0.625-11X2.50Y8	Bolt, Hex Hd 5/8-11x2-1/2 YZ8	1	
3	HB-0.750-10X5.00Y8	Bolt, Hex Hd 3/4-10x5 YZ8	1	
4	HB-0.875-9X1.75Y8	Bolt, Hex Hd 7/8-9x1-3/4 YZ8	2	
5	HDWSH-0.89X2.50Y	HD Washer, 57/64x2-1/2 YZ	1	
6	HDWSH-0.89X4.00Y	HD Washer, 57/64x4 YZ	1	
7	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	2	
8	NLNUT-0.625-11Y8	Nylon Lock Nut, 5/8-11 YZ8	1	
9	NLNUT-0.750-10Y8	Nylon Lock Nut, 3/4-10 YZ8	1	
10	PB-2.000X2.25X2.00	Bushing, Composite 2x2-1/4x2	2	
11	T0050854	Anti Rotation Insert	1	
12	T0051585	2.00 Grease Seal	2	
13	T0054025	Caster Shaft	1	
14	TA01205	Assy, 8 Bolt Hub & Spindle	2	
15	TA01371	Wheel Assy	1	
16	TA01372	Wheel Assy	1	
17	TW000794	Pin Weldment	1	
18	TW000979	Wldmt, Rear Caster	1	
19	TW001200	Wldmt, 15/20 Rear Caster Axle	- 1	
20	ZERK-0.250-28	Zerk, 1/4-28	1	

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

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

TA01	983 Assy, Air System				
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)	
1	21380	Guage - Pressure 0-160 psi	1	1	
2	47454056	Air Compressor & Filter	1		
3	47928692	Tank	2		
4	47928705	Package, Pneumatic Manifold with Valve	1		
5	76904	Cock, Fuel Tank Drain	2		
6	84163245	Air Ftg, Str 1/4"OD x 1/4"Npt	1		
7	84166114	Air Ftg, 90 1/4"OD X 1/4"Npt	2		
8	84338925	Pressure Switch, Pneumatic	1		
9	86568834	Plug, Pipe, 1/4-18 HEX STL PLN	1-1-		
10	87623685	Valve, Tank Schrader 1/8" NPT	1		
11	FW-SAE-#10C	Washer, Flat SAE #10 CZ	12		
12	FW-SAE-0.250Y	Washer, SAE Flat 1/4-YZ	4		
13	FW-SAE-0.375Y	Washer, Flat SAE 3/8" YZ	12		
14	HB-0.250-20X2.25Y8	Bolt, Hex Hd 1/4-20x2-1/4-YZ8	2		
15	HB-0.375-16X1.25Y8	Bolt, Hex Hd 3/8-16x1-1/4 YZ8	6		

Bolt, HexHd 10-24x1.00 CZ Gr2

Decal, Pressurized Hzd Warn

Harness, Air Comp Ext 720"

Plate, Air Compressor Mount

Nut, Nylock 1/4-20-YZ8

Nut, Nylock 3/8-16 YZ8

Nut, Nylock 10-24 CZ2

22 Note:

16

17

18

19

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21

HB-10-24X1.00C2

NLNUT-0.250-20Y8

NLNUT-0.375-16Y8

NLNUT-10-24C

T0051592

T0055172

T0056086

4

2

6

4

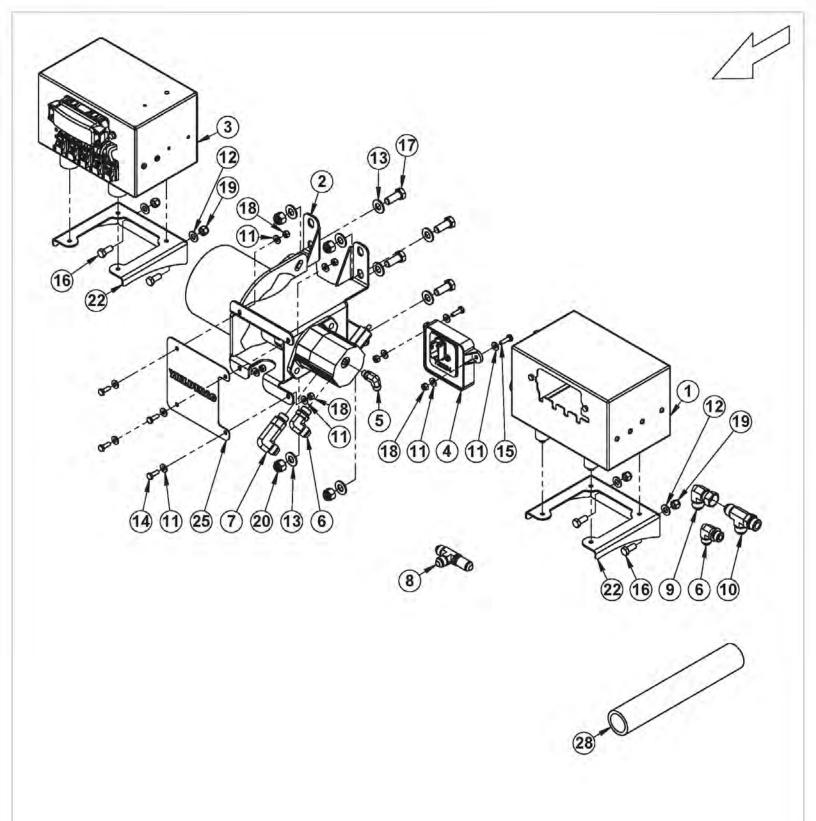
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^{1.} T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.

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

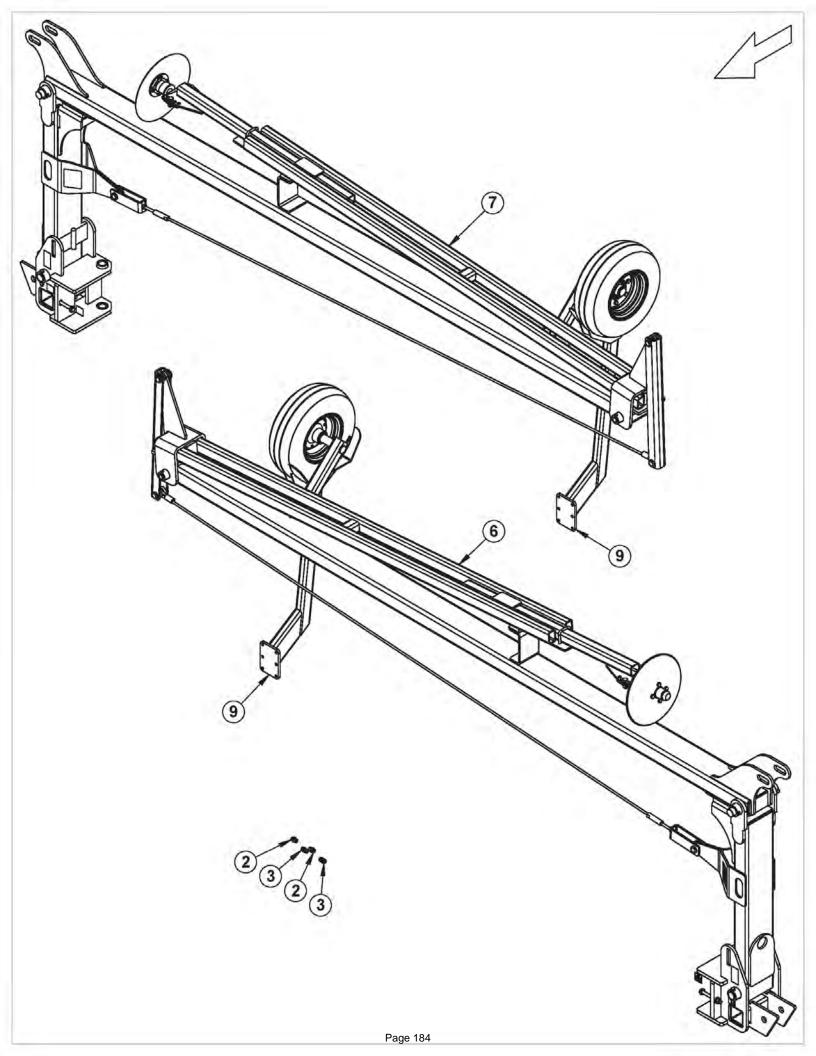


ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	73368310	Module, Power Distribution	1	(11.103)
2	73368352	Alternator Kit	1.1	
3	73368371	Assy, PDM	1	
4	73368517	SRM CAN Repeater	1	
5	AD-06MJ-04MB-90	Adapter, 06MJ-04MB 90	- 1	
6	AD-08MJ-08MB-90	Adapter, 08MJ-08MB 90	2	
7	AD-08MJ-08MB-90LL	Adapter, 08MJ-08MB 90LL	1 1	
8	AD-08MJ-08MJ-08MJ-BHR	Adapter, 08MJT BH Run	1.1	
9	AD-10MJ-10FJX-90	Adapter, 10MJ-10FJX 90	1	
10	AD-10MJ-10MB-10MJ	Adapter, 10MJ-10MB-10MJ Tee	1 1	
11	FW-SAE-0.250Y	Washer, Flat SAE 1/4 YZ	12	
12	FW-SAE-0.375Y	Washer, Flat SAE 3/8 YZ	4	
13	FW-SAE-0.500Y	Washer, Flat SAE 1/2 YZ	8	
14	HB-0.250-20X0.75Y8	Bolt, Hex Hd 1/4-20x3/4 YZ8	4	
15	HB-0.250-20X0.88Y8	Bolt, Hex Hd 1/4-20x7/8 YZ8	2	
16	HB-0.375-16X0.88Y8	Bolt, Hex Hd 3/8-16x7/8 YZ8	4	
17	HB-0.500-13X1.25Y8	Bolt, Hex Hd 1/2-13x1-1/4 YZ8	4	
18	NLNUT-0.250-20Y8	Nylon Lock Nut, 1/4-20 YZ8	6	
19	NLNUT-0.375-16Y8	Nylon Lock Nut, 3/8-16 YZ8	4	
20	NLNUT-0.500-13Y8	Nylon Lock Nut, 1/2-13 YZ8	4	
21	T0051673	Hose, 1.25" PVC (per ft)	12	
22	T0054215	PDM Mount	2	
23	T0054453	Harness, 36R Wing PR	2	
24	T0054499	Harness, Terminator Adapter	1	
25	T0054509	Cover Plate, Alternator	1	
26	T0054511	Harness, Alternator	1	
27	T0055659	Harness, Secondary PDM	1	
28	T0055792	Hose, Vacuum 1.5" (per ft)	75	

Note:

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

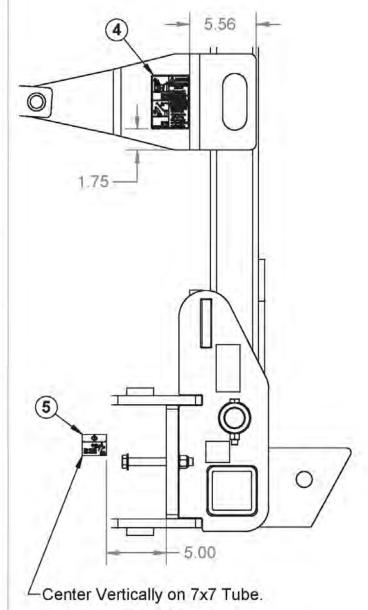
^{2. *} Items marked with an asterisk are items that are included in that particular part or assembly.



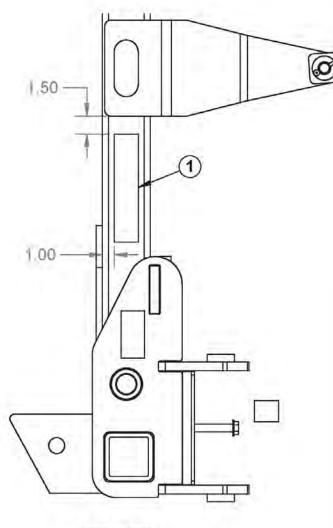
IAUZ	091 Assy, 2000 60' Markers			
ITEM	PART NUMBER	DESCRIPTION	QTY	TORQUE (ft-lbs)
1	90-44-0410	Decal, Reflector, Yellow-2x9	2	
2	AD-06MFS-08MB	Adapter, 06MFS-08MB	2	
3	AD-08MFS-08MB	Adapter, 08MFS-08MB	2	
4	T0051591	Decal, Danger-Warn Marker	2	
5	T0052464	Decal, Row Marker Bolt Torque	2	
6	TA02092	Assy, 2000 60' Marker LH	1	
7	TA02093	Assy, 2000 60' Marker RH	1	
8	TA02094	Hose Kit, 60' Marker (ORFS)	1	
9	TW001166	Widmt, Marker Support	2	

Note:

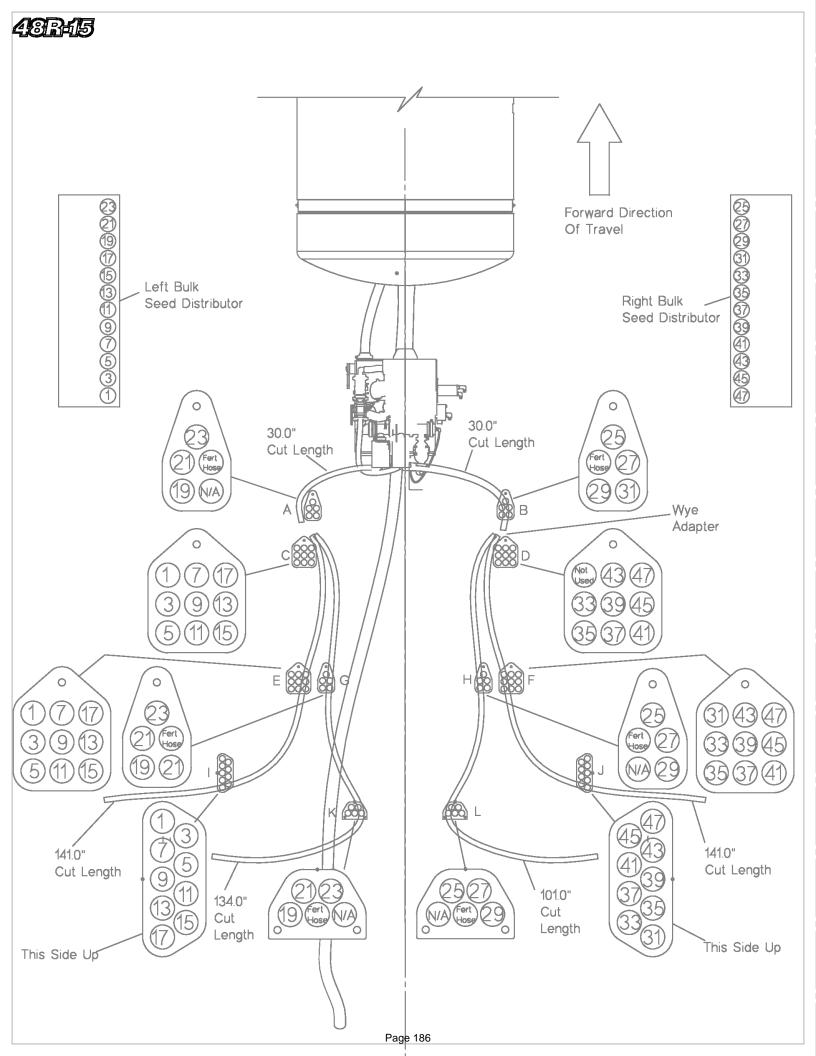
- 1. T=XXX = Torque Expressed in ft-lbs (Use standard torque values from drawing T0000000 unless otherwise specified.
- 2. * Items marked with an asterisk are items that are included in that particular part or assembly.



Front View Left Wing Row Marker Decal Locations (Repeat for Right Wing)



Rear View Left Wing Row Marker Decal Locations (Repeat for Right Wing)



T0051672	Hose, 1.00" PVC (per ft)	ft	100
T0051673	Hose, 1.25" PVC (per ft)	ft	100

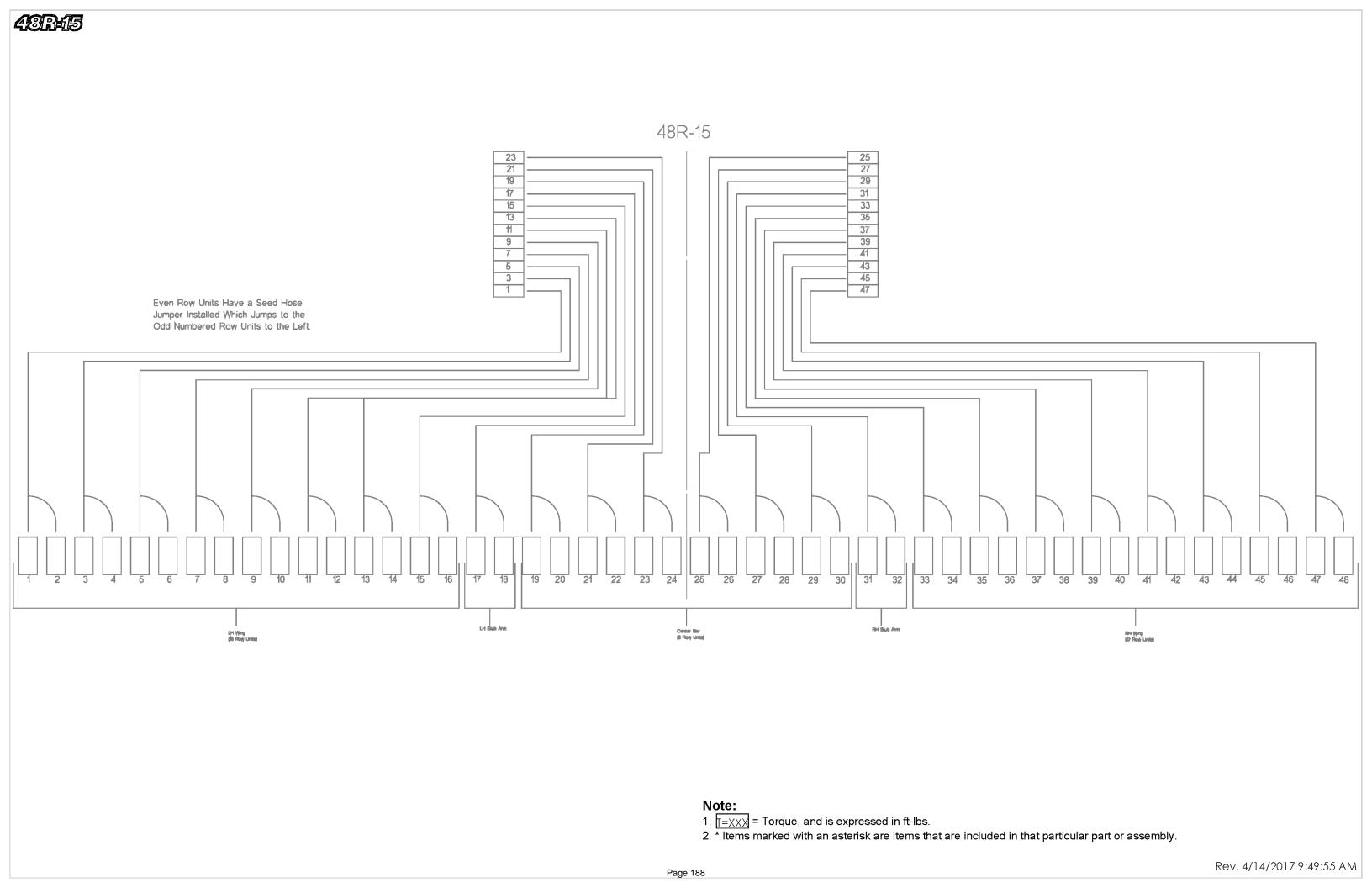
Note:

T=XXX = Torque Expressed in ft-lbs

(Use standard torque values from drawing T0000000 unless otherwise specified.)

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

Row	1" Hose	1.25" Hose	Total
1	12' 0"	24' 2"	36' 2"
2	4' 0"		4' 0"
3	12' 0"	21' 1"	33' 1"
4	4' 0"		4' 0"
5	12' 0"	18' 8"	30' 8"
6	4' 0"		4' 0"
7	12' 0"	16' 5"	28' 5"
8	4' 0"		4' 0"
9	12' 0"	14' 1"	26' 1"
10	4' 0"		4' 0"
11	12' 0"	11' 11"	23' 11"
12	4' 0"		4' 0"
13	12' 0"	9' 10"	21' 10"
14	4' 0"		4' 0"
15	12' 0"	7' 11"	19' 11"
16	4' 0"		4' 0"
17	16' 5"		16' 5"
18	4' 0"		4' 0"
19	16' 10"		16' 10"
20	4' 0"		4' 0"
21	15'0"		15'0"
22	4' 0"		4'0"
23	12' 11"		12' 11"
24	4' 0"		4' 0"
25	13' 6"		13' 6"
26	4' 0"		4' 0"
27	14' 4"		14' 4"
28	4' 0"		4' 0"
29	16' 10"		16' 10"
30	4' 0"		4' 0"
31	17' 2"		17' 2"
32	4' 0"		4' 0"
33	19' 4"		19' 4"
34	4' 0"		4' 0"
35	12' 0"	9' 11"	21' 11"
36	4' 0"		4' 0"
37	12' 0"	11' 11"	23' 11"
38	4' 0"		4' 0"
39	12' 0"	14' 5"	26' 5"
40	4' 0"		4' 0"
41	12' 0"	16' 6"	28' 6"
42	4' 0"	200	4' 0"
43	12' 0"	19' 2"	31' 2"
44	4' 0"	20 2	4'0"
45	12'0"	21' 7"	33' 7"
46	4' 0"		4' 0"
47	12' 0"	25' 3"	37'3"
48	4' 0"		4'0"
Total	418' 4"	242' 10"	661' 2"
Local	120 7	10	201 2



Metric International Standards Organization (ISO) Fastener Torque

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

ISO Class No.		8	.8	10.9					12.9				
Bolt Head Identification (See Note below.)		8	8.8			10	0.9		12.9				
	ft-lbs		Nm		ft-lbs		Nm		ft-lbs		Nm		
Bolt Size	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
M4	2	3	3	4	3	4	4	5					
M5	5	6	7	8	7	8.0	10	11					
M6	8	9	11	12	11	13	15	18	Beca	use of the	e low duc	tility	
M8	19	23	26	31	27	32	37	43	CARL STATE	ese faster		1.000	
M10	38	45	52	61	54	64	73	87	1 1000 00000000000000000000000000000000	e is to be		Carlo America	
M12	66	79	90	107	93	112	125	150		idually for			
M14	106	127	144	172	149	179	200	245		general r			
M16	160	200	217	271	230	280	310	380	ranges specified for Grade				
M20	320	380	434	515	450	540	610	730	THE RESERVE OF THE PARTY OF THE			ised	
M24	500	600	675	815	780	940	1050	1275	satis	satisfactorily on 12.9 fasteners			
M30	920	1100	1250	1500	1470	1770	2000	2400					
M36	1600	1950	2175	2600	2580	3090	3500	4200					

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

Inch Fractions and Decimals to Millimeter Equivalents													
Inches		MM	Inches	ilono una	MM	Inches	illiotot E	Inches MM					
Fraction	Decimal	IMM.	Fraction	Decimal	171141	Fraction	Decimal	MM	Fraction	Decimal	1 1404		
raction		0.01	Traction	0.3	7.62	Traction	0.7874	20	Traction		50		
~)	0.0004	0.01	EMP	-	10000	51/64		20.241	-	1.969	50.8		
(A)			5/16	0.3125	7.938	The second second	0.7969		2 2 4/0		-		
	0.0039	0.1	24/64	0.315	151	13/16	0.8125	20,638	2-1/8	2.125	54		
•	0.005	0.127	21/64	0.3281	8.334	E0104	0.8268	21	24/4	2.165	55		
~ }	0.0079		44.000	0.3346	8.5	53/64	0.8281	21.034	2-1/4		57.2		
-	0.0098	0.25	11/32	0.3438	8.731 9	27/32	0.8438	21.431	2-3/8	2,362	60		
-			00/04	0.3543		55/64		21.828		2,375	60,3		
1/64	0.0118	0.3	23/64	0.3594	9,128	7/0	0.8662	22.225	2-1/2	2.5	635		
			2/0			7/8			2.510		66.7		
-	0.0157	0.4	3/8	0.375	9.525	57/64	0.8906	22.622	2-5/8	2.625			
-	0.0197	0.6	25/64	0.3906	9.922	_	0.9	22.86	2-3/4	2.75	69.9		
-	0.0236		-	0,3937	10	-	0.9055		0.710	2.756	70		
*	0.025	0.635	42/22		10.16	29/32	0.9063	23:019	2-7/8	2.875	73		
1.4	0.0276	0.75	13/32	0.4062	10.319	59/64	0.9219	23.416		2.953	75 76.2		
1/22	0.0295		07/04	0.4134	10.5	15/16	0.9375	23.813	3	100	-		
1/32	0.0313	0.794	27/64	0.4219	10.716	C4104	0.9449	24 200	2.444	3,15	80		
	0.0315	0.8	740	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	240	3.346	85		
2004	0.0394	1 101	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		25.4	_	3,543	90		
* .	0.0472	1.2	2000	0.4724	12	2.440	1.024	26	2.044	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	14	- 100	0.4921	12.5	0	1.063	27		3,937	100		
14 (4 m)	0.0591	1.5	1/2	0.5	12,7		1.102	28	4	4	101.		
1/16	0.0625	1.588	-	0.5118	13	1-1/8	1 125	28 575	1.410	4.331	110		
- 4	0.0669	1.7	33/64	0,5156	13.097	-	1.142	29	4-1/2	4.5	114.3		
FICA	0.075	1.905	17/32	0.5326	13 494	4.040	1.181	30	-	4.724	120		
5/64	0.0781	1.984	25/64	0.5315	13.5	1-3/16	1.188	30.16	5	5	127		
- 1	0.0787	2	35/64	0.5469	13.891	4.474	1.221		5.410	5.118			
2/20	0.0906	2.3	2000	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	02/04	0.571	14.5	2.540	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		
7/64	0.1024		10/00	0.5906		4.0/0	1.339		6-1/2	6.299	165		
7/64	0.1093	2.776	19/32	0.5938	15.081	1-3/8	1.375	34.93		6.5	-		
419	0.1181	3	20/64	0.6	15.24	-	1.378	35	7	7 7 007	177,8		
1/8	0.125	3 175	39/64	0.6094	15 478	1.7/10	1 417	36	7.10	7.087	180		
9/64	0.1378	3.5	5/8	0.6103	15.5	1-7/16	1.438	36.51	7-1/2	7.874	190.5		
5/32	0.1563	3.969	3/6	0.6299	15.875		1.457	38	8	8	203.2		
SIZE	0.1563	3.969	41/64	0.6406	16 272	1-1/2	1.496	38.1	8-1/2	8.5	215.5		
11/64	0.1719	4.366	41764	0.6496	16.5	1-1/2	1.535	39		8.661	2153		
11/04	0.1719	4.5	21/22	0.6563	16.669	1-9/16	1.562	39,69	9	9	228.0		
3/16	0.1772	4.763	21/32	0.6693	17		1.562	40	9.	9.449	240		
5/10	0.1969	5	43/64	0.6693	17.066	1 2	1.614	41	9-1/2	9.449	241.3		
	0.1969	5.08	11/16	0.6875	17.463	1-5/8	1.625	41.28	5-112	9.843	250		
13/64	0.2031	5.159	11/10	0.689	17.403	1-0/0	1.654	42	10	10	254		
13/54	0.2031	5.5		0.569	17.78	1-11/16	1.688	42.86	10	10.236	280		
7/32	0.2188	5.556	45/64	0.7031	17.859	1-11/10	1.693	43	11	11	279		
15/64	0.2344	5.963	45/04	0.7031	18	-	1,732	44	-	11.024	280		
15/04	0.2344	6	23/32	0.7087	18 256	1-3/4	1.75	44 45		11.811	300		
1/4	0.2562	6.35	20102	0.7283	18.5	1-3/4	1.772	45	12	12	304.		
1/4	0.2559	6.5	47/64	0.7263	18.653	10	1.772	46	13	13	330.3		
17/64	0.2656	6.747	4//04	0.748	19	1-13/16	1.813	46.04	1.3	13.78	350		
17704	0.2656	7	3/4	0.740	19.05	1-15/10	1.85	47	14	14	355		
9/32	0.2813	7.144	49/64	0.7656	19.447	1-7/8	1.875	47.63	15	15	381		
5/32	0.2953	7.5	45/04	0.7677	19.5	1-770	1.89	48.	13	15.748	400		
19/64	0.2969	7.541	25/32	0.7813	19.844		1.929	49	16	16	406.4		

Torque - Hydraulic tubes and fittings

Standard torque data for hydraulic tubes and fittings

		Tub	O-Ring Fitting	Boss PI Lock Nu 37 ° 5	ugs, Adj its, Swiv Seats	ustable el JIC -					
0:	Tubing	g OD	Th	ft-	lbs	N	m	ft-lbs		N	m
Size	Inches	Inrea		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.		Gra	ide 2			Gr	ade 5		Grade 8 (See Note below.)				
Bolt Head Identification (See Note below.)					($\langle \rangle \langle \rangle$		$\overline{\langle}$					
5.06.	ft	-lbs	Nm		ft	-lbs	1	Vm	ft	-lbs	Nm		
Bolt Size	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	
4	250	300	339	406	580	696	787	944	900	1080	1220	1464	
1-1/8					800	880	1085	1193	1280	1440	1736	1953	
1-1/4					1120	1240	1519	1681	1820	2000	2468	2712	
1-3/8					1460	1680	1980	2278	2380	2720	3227	3688	
1-1/2					1940	2200	2631	2983	3160	3560	4285	4827	

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

