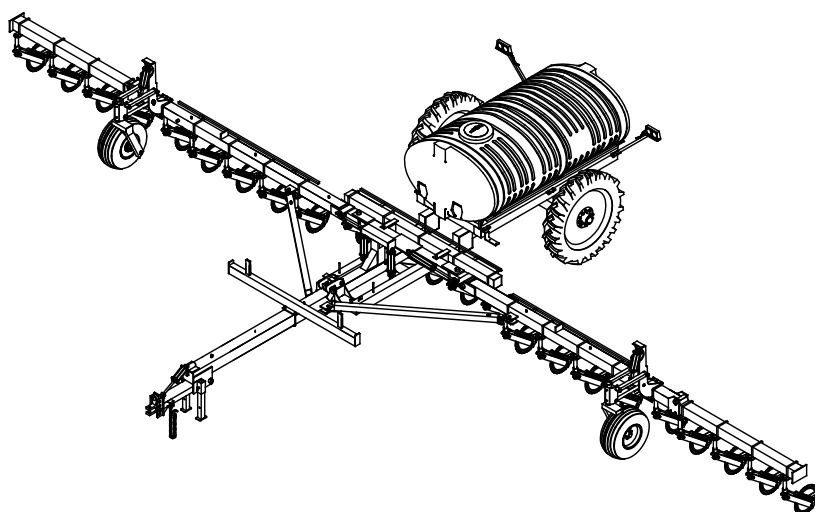




*PROGRESSIVE
FARM PRODUCTS, INC.*

OPERATOR'S MANUAL
2500 SERIES
SIDE DRESS APPLICATOR



COME VISIT US ON THE WEB AT: www.progressivefarm.com

SETUP AND OPERATION

When ordering parts, provide the complete serial and model number, as well as the desired part number and description.

For convenience and future reference, record the following information in the spaces provided below:

DATE PURCHASED: ____/____/____

DEALER NAME: _____

DEALER PHONE: _____

MODEL NUMBER: _____

SERIAL NUMBER: _____

NOTE: Throughout this manual, references of “right” or “right side” and “left” or “left side” are always from a point behind the implement facing forward, in the direction of travel.

SAFETY FIRST!

FOLLOW THESE RULES:

Comply with your state and local laws governing highway safety while moving machinery on the highway

The SMW reflector emblem should be used at all times on public roads, and always use the flashing warning lights on your tractor.

Drive at a reasonable speed to maintain complete control of your machine at all times. Do not exceed 20 MPH (32.2 km/h) while transporting. Avoid heavily traveled roads whenever possible.

Hydraulic fluid escaping under pressure can have enough force to penetrate your skin. If you are injured by escaping fluid, see a doctor at once. Serious infection or reaction can result if medical treatment is not given immediately. Make sure all connections are tight and that hoses and lines are in good condition before applying pressure to the system. Relieve all pressure before disconnecting any lines or performing other work on the hydraulic system. To find a leak under pressure, use a small piece of cardboard or wood, **NEVER** use your hands.

At least once a year, inspect all hydraulic hoses for leaks, cracks, abrasions, and pinched areas. Tighten fittings or replace hoses as needed.

Always be sure the hydraulic lines and cylinders are free of air and do not leak. After connecting any new parts, replacing old parts, or servicing the hydraulic components, carefully cycle the hydraulic cylinder several times to purge trapped air from the system. Check all the connections for any leakage.

Always block up raised equipment when servicing it. **NEVER** rely on the hydraulic system to support the implement during servicing.

SAFETY FIRST

FOLLOW THESE RULES:

Keep all safety equipment, such as hitch pins, chains, SMV emblems, lights, reflectors, etc. in good repair. Please note all safety decals and keep them on place. New decals are available from your dealer.

Misuse, abuse, neglect, or modification of this machine can cause:

- Mechanical breakdown
- Property damage
- Personal injury or death

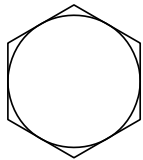
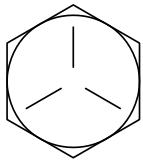
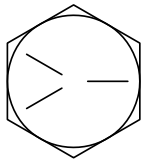
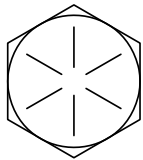
Always use proper safety precautions and common sense. Set a good example and show your workers how to work safely. Be an example, not a statistic.

RECOMMENDED TIRE PRESSURES

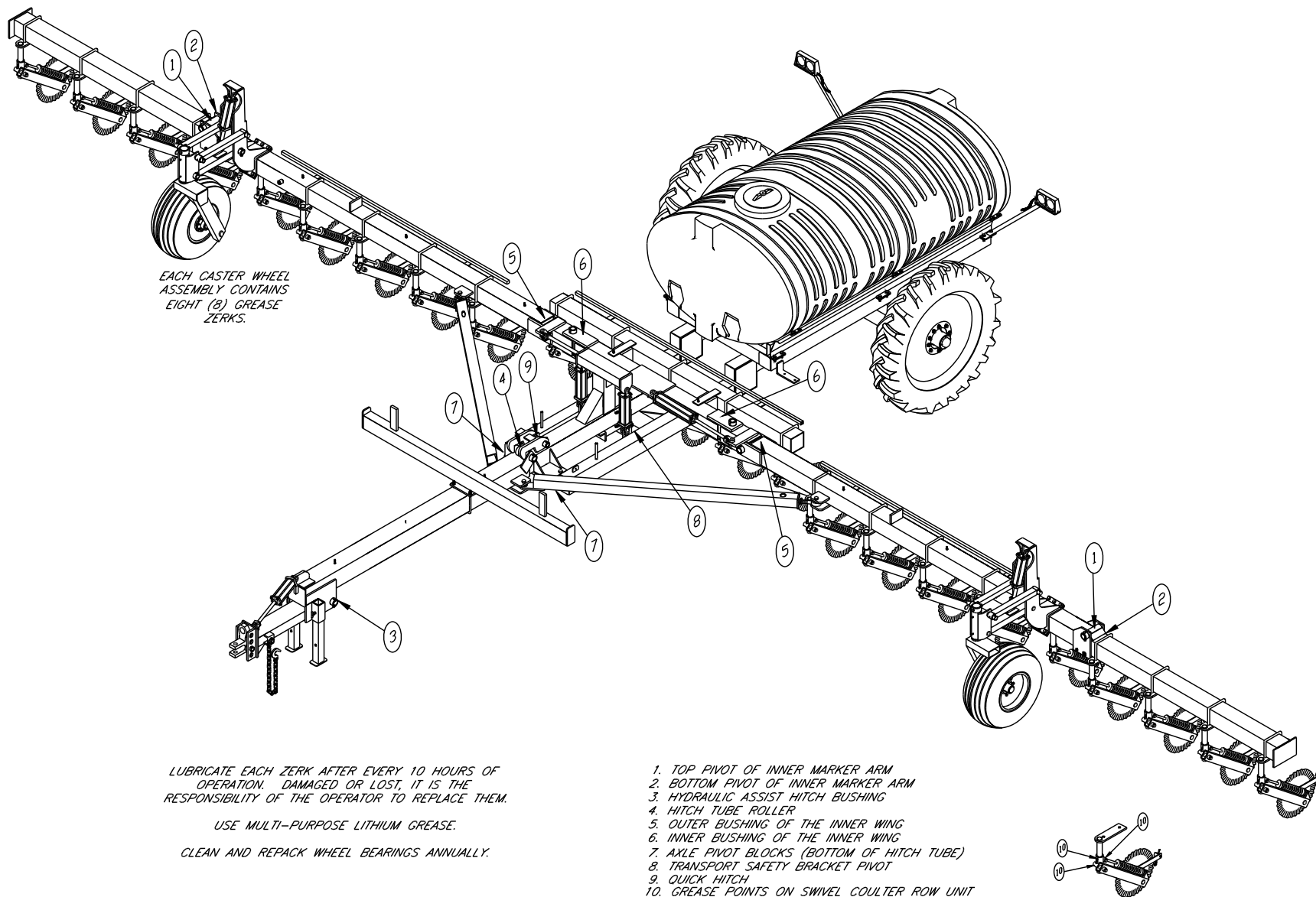
Tire Size & Ply	Pressure
13.6 x 38 - 12 ply	44 PSI
12.5L x 15 - 12 ply	50 PSI
12.5L x 15 - 8 ply	36 PSI
9.5L x 15 - 8 ply	35 PSI
16.5 x 16.1 - 10 ply	36 PSI
18.4 x 26 - 10 ply	26 PSI
14.9R x 46 - 8* radial	68 PSI
5.30 x 12 - 6 ply	55 PSI
16 x 6.50 x 8 - 4 ply	28 PSI
4.80 x 8 - 4 ply	41 PSI

BOLT TORQUE

1. Improperly tightened bolts will result in damage, breakage, expense, and lost time
2. Always replace bolts with the specified grade and type
3. Torque all fasteners to the proper value during assembly, then check every two (2) hours of operation until they remain tight
4. Use the following torque chart as a guide to insure proper tightening of the fasteners.
5. Make a daily inspection of the implement checking for loose bolts as well as leaking hoses.

BOLT Ø - TPI	 GRADE 2	 GRADE 5	 A - 325	 GRADE 8
3/8 - 16	25	35		50
7/16 - 14	35	55		80
1/2 - 13	55	85		125
9/16 - 12	75	125		175
5/8 - 11	105	170		235
3/4 - 10	185	305		425
7/8 - 9	170	445		690
1 - 8	260	670		1030
1-1/8 - 7	365	900		1460
1-1/4 - 7	515	1275		2060
1-3/8 - 6	675	1675		2700
1-1/2 - 6	900	2150		3500

TORQUE VALUES ARE IN FT./LBS. AND ARE BASED ON PLATED OR GREASE COATED HARDWARE. INCREASE VALUES 5 - 10% FOR FINE THREADS. USE 65% OF THE LISTED VALUE FOR JAM NUTS.



LUBRICATE EACH ZERK AFTER EVERY 10 HOURS OF OPERATION. DAMAGED OR LOST, IT IS THE RESPONSIBILITY OF THE OPERATOR TO REPLACE THEM.

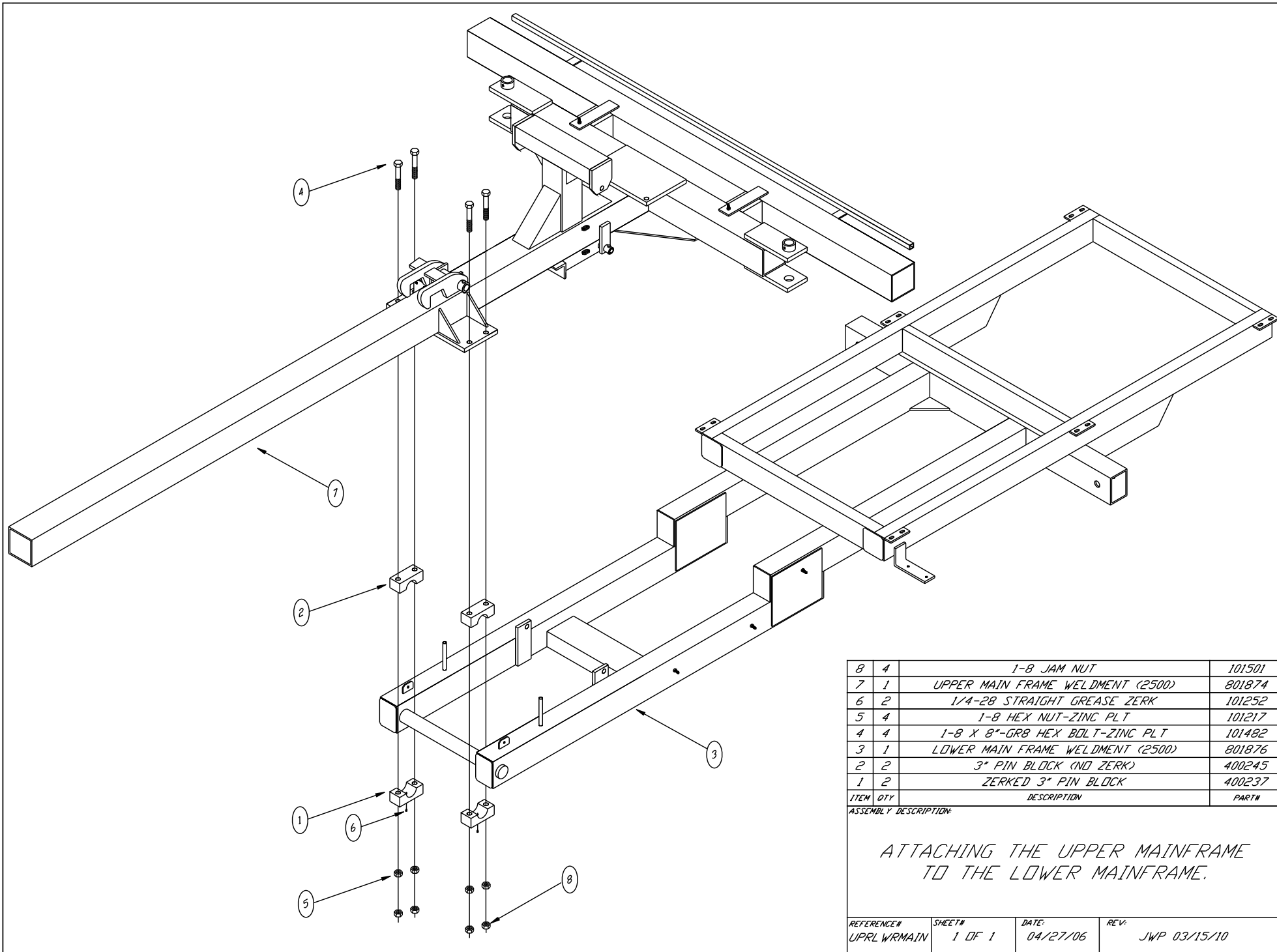
USE MULTI-PURPOSE LITHIUM GREASE.

CLEAN AND REPACK WHEEL BEARINGS ANNUALLY.

ASSEMBLY DESCRIPTION:

LUBRICATION AND MAINTENANCE

REFERENCE#	SHEET#	DATE:	REV:
2500A009	1 OF 1	03/23/10	07/05/12 AU



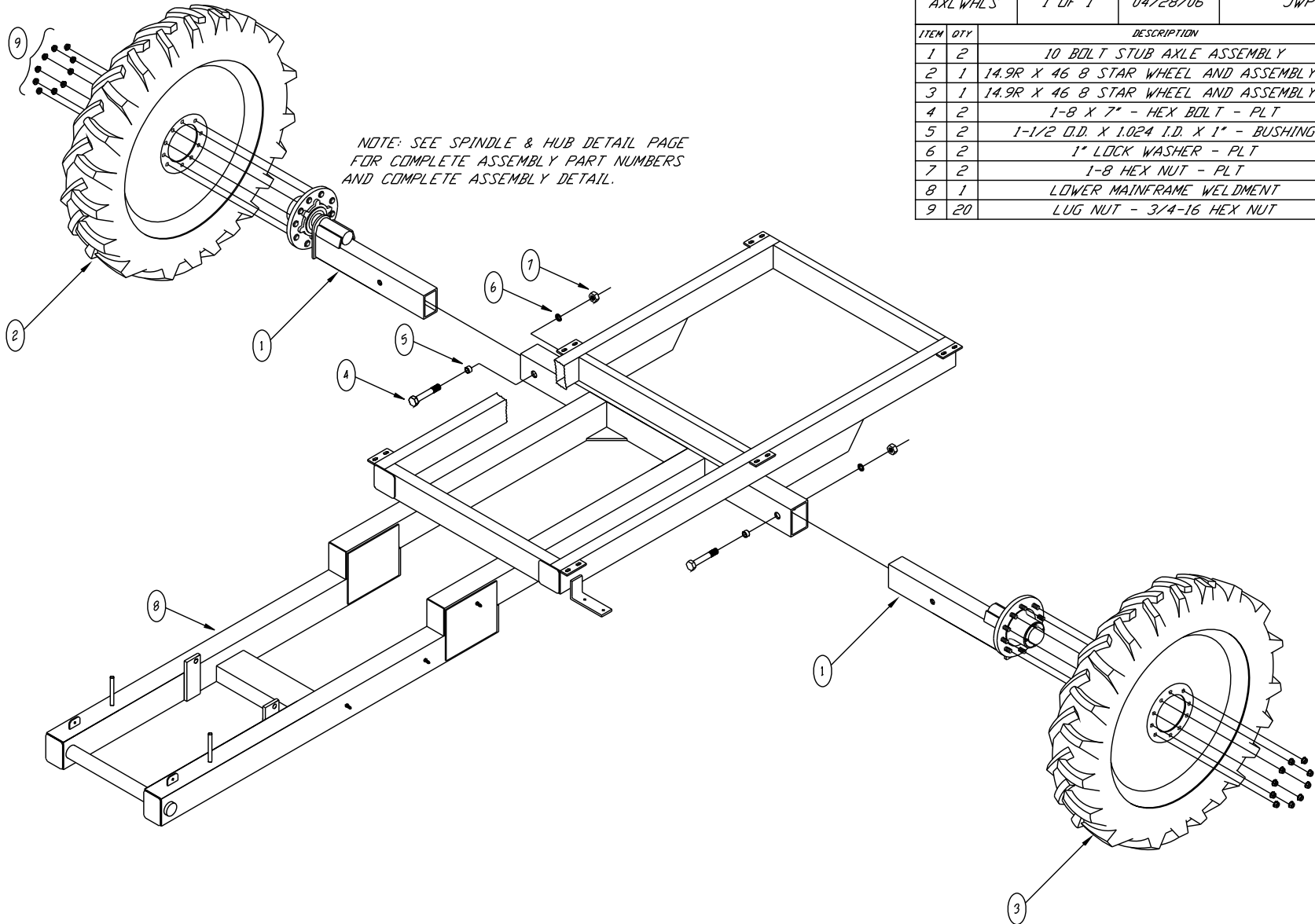
8	4	1-8 JAM NUT	101501
7	1	UPPER MAIN FRAME WELDMENT (2500)	801874
6	2	1/4-28 STRAIGHT GREASE ZERK	101252
5	4	1-8 HEX NUT-ZINC PLT	101217
4	4	1-8 X 8"-GR8 HEX BOLT-ZINC PLT	101482
3	1	LOWER MAIN FRAME WELDMENT (2500)	801876
2	2	3" PIN BLOCK (NO ZERK)	400245
1	2	ZERKED 3" PIN BLOCK	400237
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION:			
ATTACHING THE UPPER MAINFRAME TO THE LOWER MAINFRAME.			
REFERENCE#	SHEET#	DATE:	REV:
UPRL WRMAIN	1 OF 1	04/27/06	JWP 03/15/10

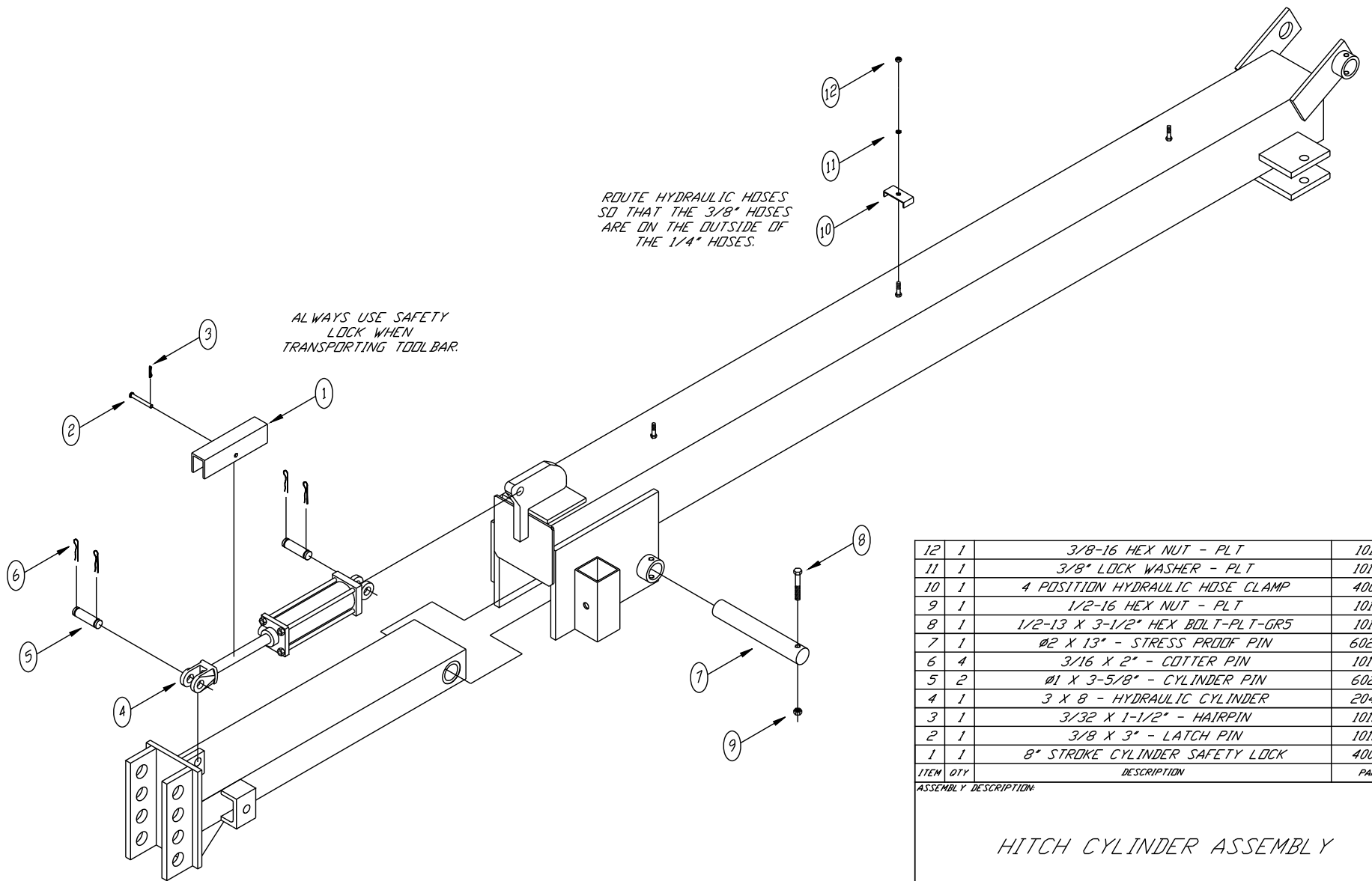
ASSEMBLY DESCRIPTION

ATTACHING THE STUB AXLES & WHEELS TO THE LOWER MAINFRAME.

REFERENCE#	SHEET#	DATE:	REV:
AXL WHLS	1 OF 1	04/28/06	JWP 03/15/10

ITEM	QTY	DESCRIPTION	PART#
1	2	10 BOLT STUB AXLE ASSEMBLY	801816
2	1	14.9R X 46 8 STAR WHEEL AND ASSEMBLY RH	301249R
3	1	14.9R X 46 8 STAR WHEEL AND ASSEMBLY LH	301249L
4	2	1-8 X 7" - HEX BOLT - PLT	101203
5	2	1-1/2 O.D. X 1.024 I.D. X 1" - BUSHING	602107
6	2	1" LOCK WASHER - PLT	101226
7	2	1-8 HEX NUT - PLT	101217
8	1	LOWER MAINFRAME WELDMENT	801876
9	20	LUG NUT - 3/4-16 HEX NUT	301189



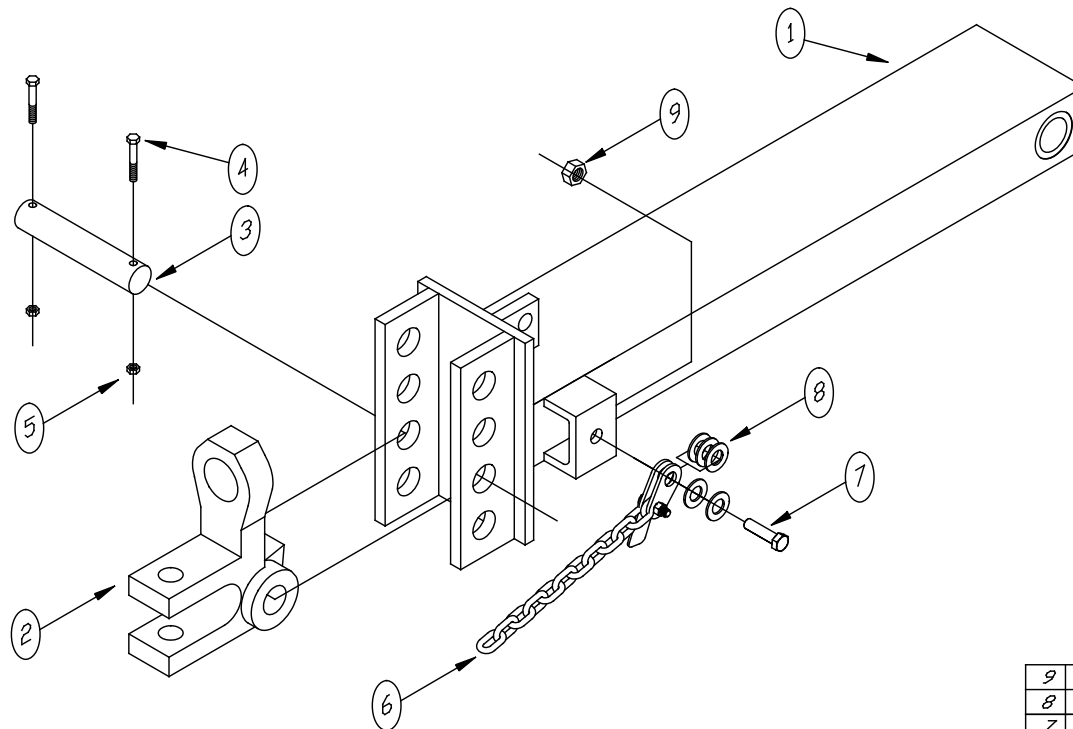


12	1	3/8-16 HEX NUT - PLT	101211
11	1	3/8" LOCK WASHER - PLT	101220
10	1	4 POSITION HYDRAULIC HOSE CLAMP	400080
9	1	1/2-16 HEX NUT - PLT	101213
8	1	1/2-13 X 3-1/2" HEX BOLT-PLT-GR5	101152
7	1	Ø2 X 13" - STRESS PROOF PIN	602223
6	4	3/16 X 2" - COTTER PIN	101347
5	2	Ø1 X 3-5/8" - CYLINDER PIN	602136
4	1	3 X 8 - HYDRAULIC CYLINDER	204002
3	1	3/32 X 1-1/2" - HAIRPIN	101258
2	1	3/8 X 3" - LATCH PIN	101257
1	1	8" STROKE CYLINDER SAFETY LOCK	400083
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

HITCH CYLINDER ASSEMBLY

REFERENCE#	SHEET#	DATE:	REV:
2500A003	1 OF 1	03/22/10	

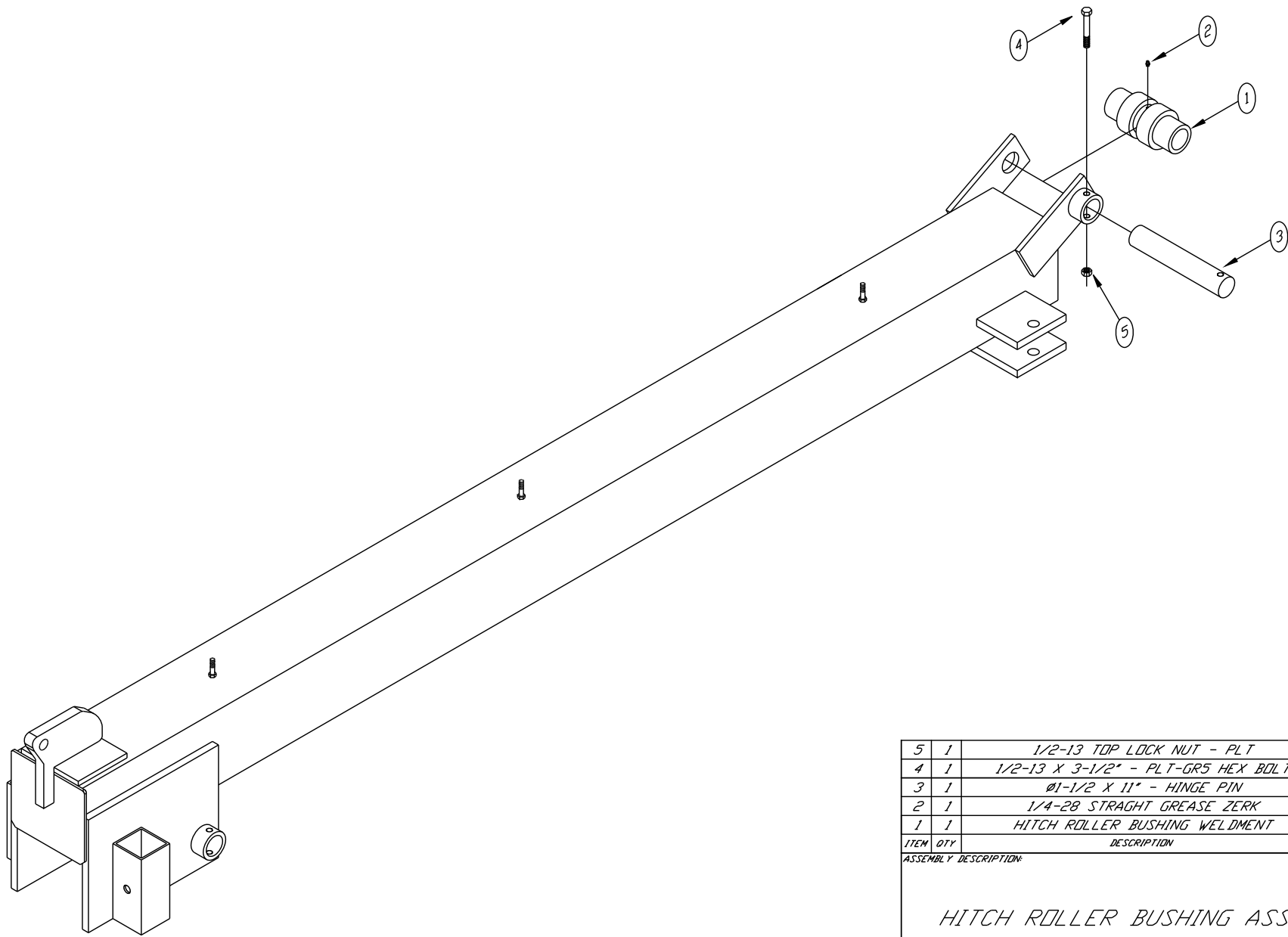


9	1	LOCKNUT 1"	600366032
8	5	FLATWASHER 1"	600381018
7	1	BOLT 1" X 3" GR. 5	600356002
6	1	3/8 GR. 70 SAFETY CHAIN	600461011
5	2	3/8-16 TOP LOCK NUT	101455
4	2	3/8-16 X 2-1/2" - HEX BOLT	101128
3	1	Ø1-5/8 X 8-1/2" - CLEVIS PIN	602178
2	1	COMBINATION CLEVIS	450016
1	1	HYDRAULIC ASSIST HITCH	801740
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION

COMBINATION CLEVIS ASSEMBLY

REFERENCE#	SHEET#	DATE	REV
2500A001	1 OF 1	04/24/06	AU 05/01/13

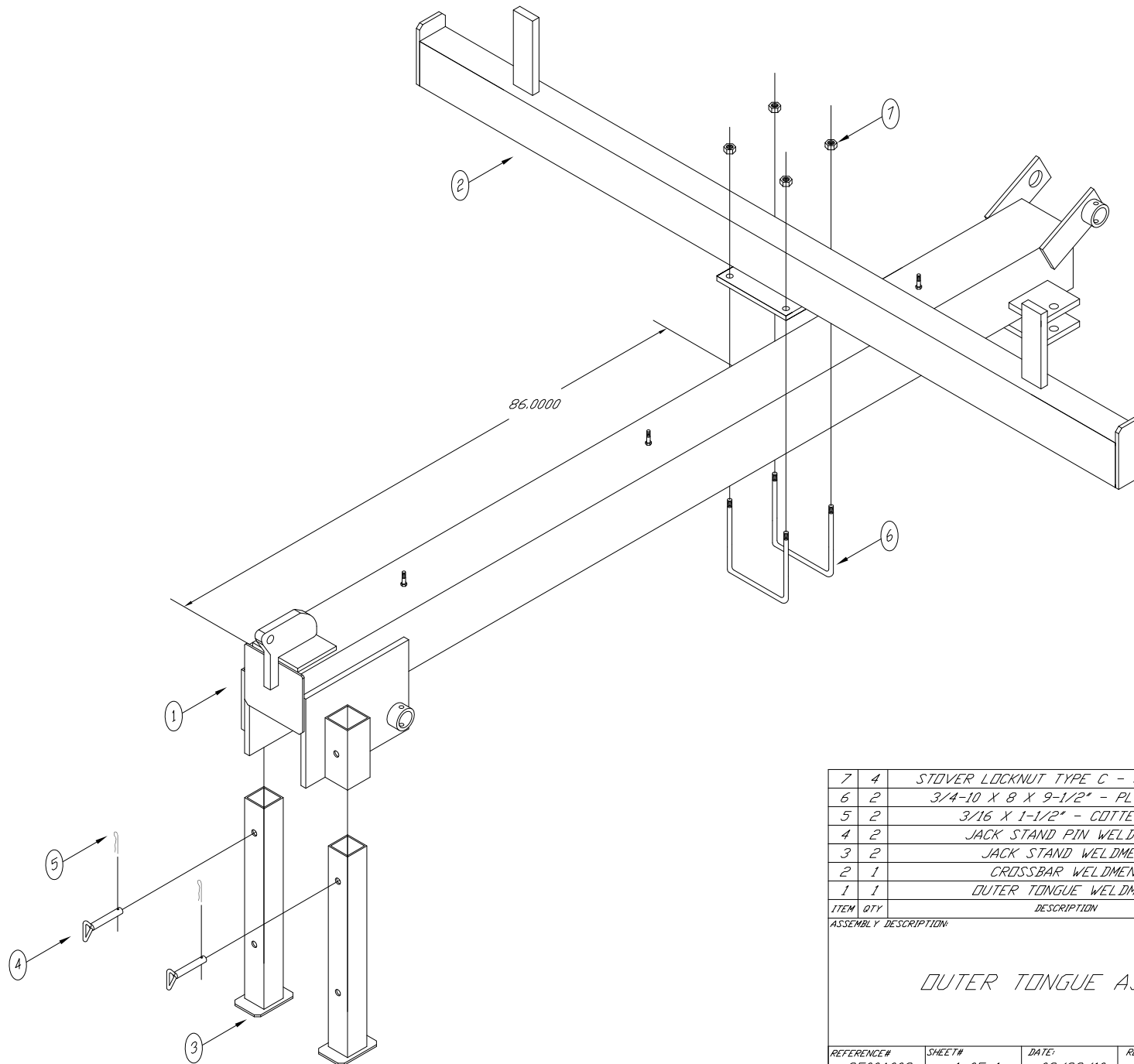


5	1	1/2-13 TOP LOCK NUT - PLT	101457
4	1	1/2-13 X 3-1/2" - PLT-GR5 HEX BOLT	101152
3	1	Ø1-1/2 X 11" - HINGE PIN	602145
2	1	1/4-28 STRAGHT GREASE ZERK	101252
1	1	HITCH ROLLER BUSHING WELDMENT	801750
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

HITCH ROLLER BUSHING ASSEMBLY

REFERENCE#	SHEET#	DATE:	REV:
2500A004	1 OF 1	03/22/10	

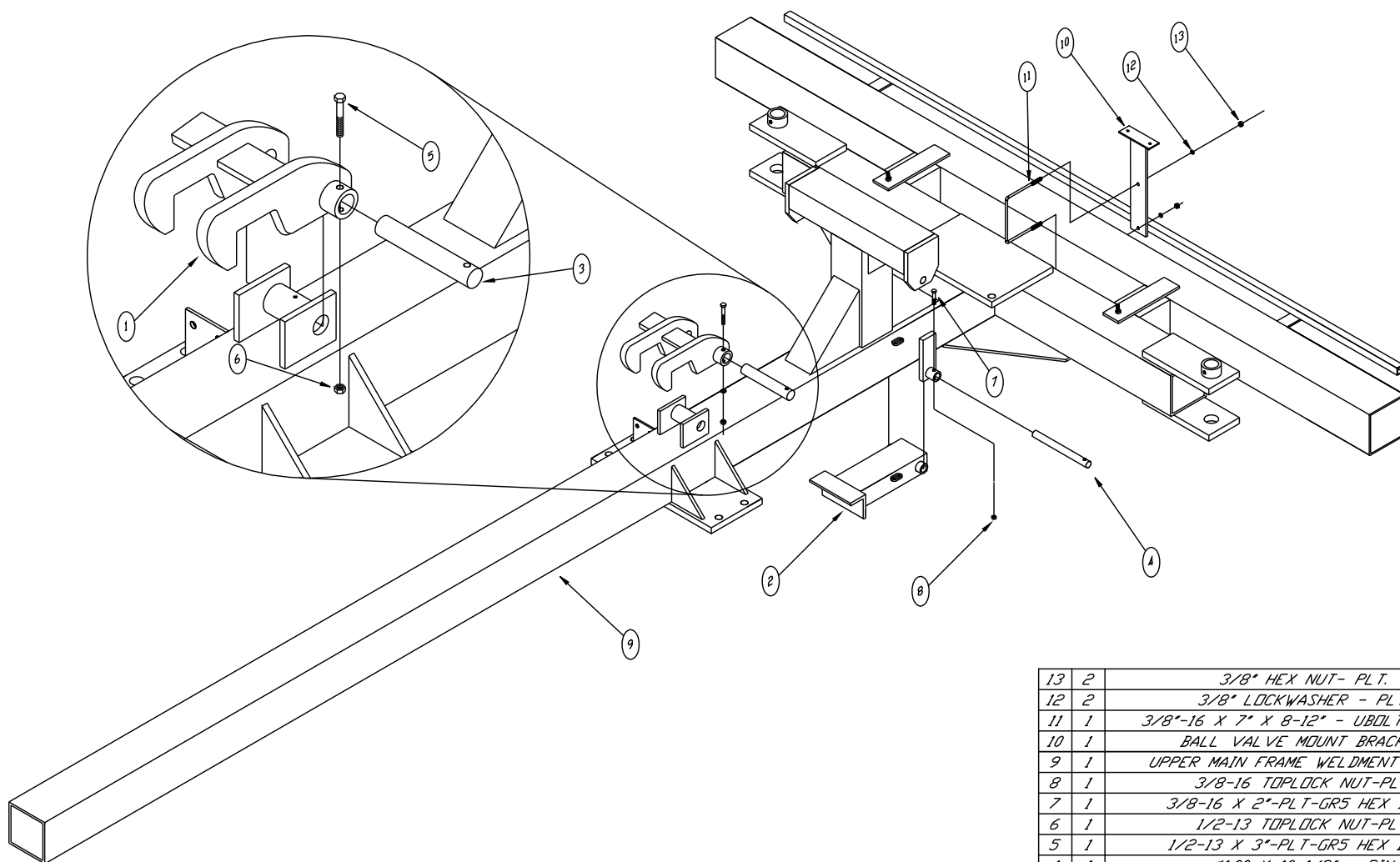


7	4	STOPPER LOCKNUT TYPE C - 3/4" - UNC	600366024
6	2	3/4-10 X 8 X 9-1/2" - PLT U-BOLT	101492
5	2	3/16 X 1-1/2" - CUTTER PIN	101246
4	2	JACK STAND PIN WELDMENT	801666
3	2	JACK STAND WELDMENT	801665
2	1	CROSSBAR WELDMENT	801872
1	1	OUTER TONGUE WELDMENT	768017952
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

OUTER TONGUE ASSEMBLY

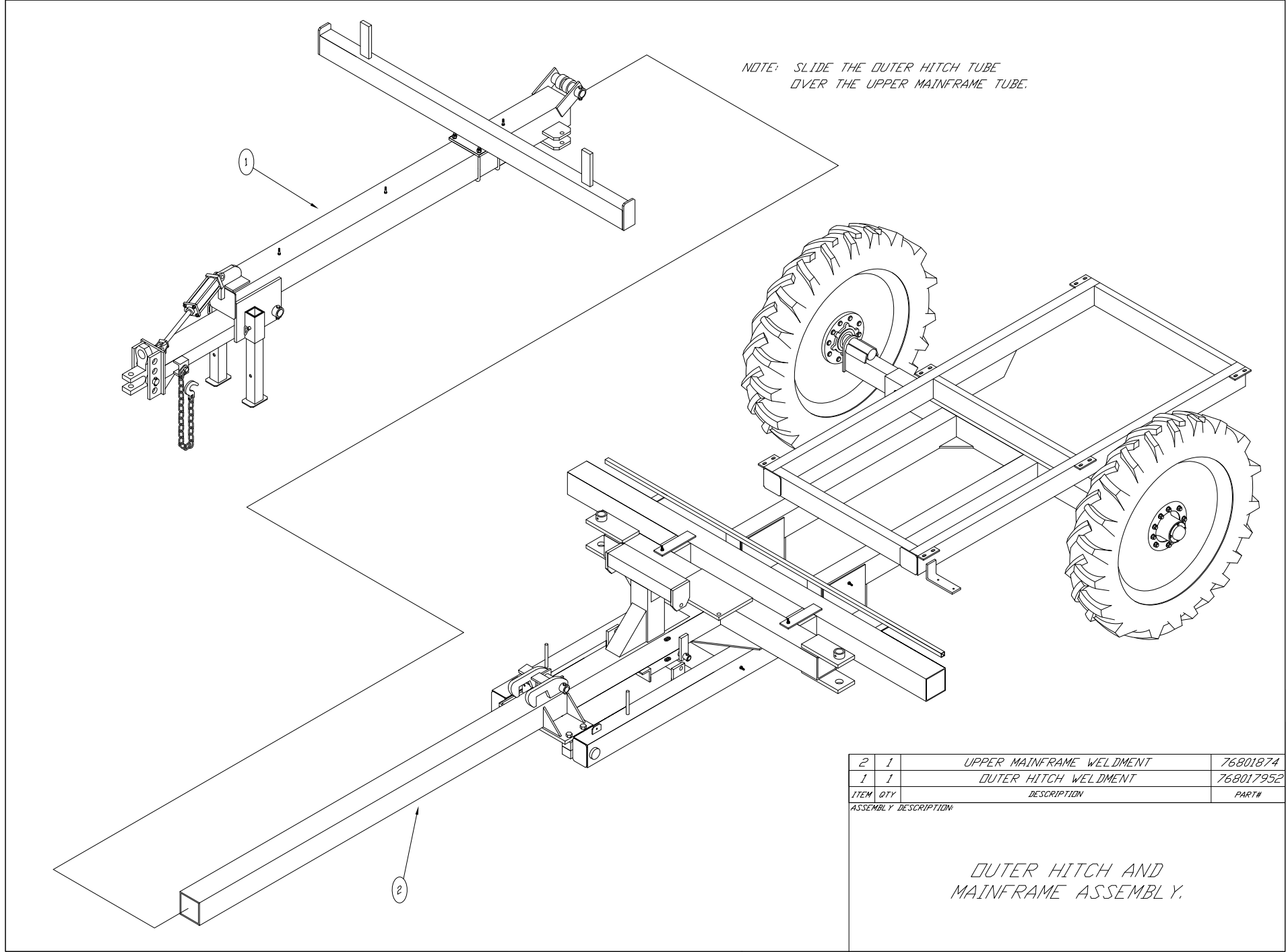
REFERENCE# 2500A002	SHEET# 1 OF 1	DATE: 03/22/10	REV: 6/19/13 JPA
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13	2	3/8" HEX NUT - PLT.	76101211
12	2	3/8" LOCKWASHER - PLT.	76101220
11	1	3/8"-16 X 7" X 8-12" - UBOLT - PLT.	76101329
10	1	BALL VALVE MOUNT BRACKET	760000117
9	1	UPPER MAIN FRAME WELDMENT (2500)	801874
8	1	3/8-16 TOPLOCK NUT-PLT	101455
7	1	3/8-16 X 2"-PLT-GR5 HEX BOLT	101127
6	1	1/2-13 TOPLOCK NUT-PLT	101457
5	1	1/2-13 X 3"-PLT-GR5 HEX BOLT	101151
4	1	Ø1.00 X 10-1/2" - PIN	602224
3	1	Ø1.50 X 11.00" - PIN	76602129
2	1	TRANSPORT SAFETY LATCH WELDMENT	801873
1	1	QUICK HITCH SAFETY LATCH	801745
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

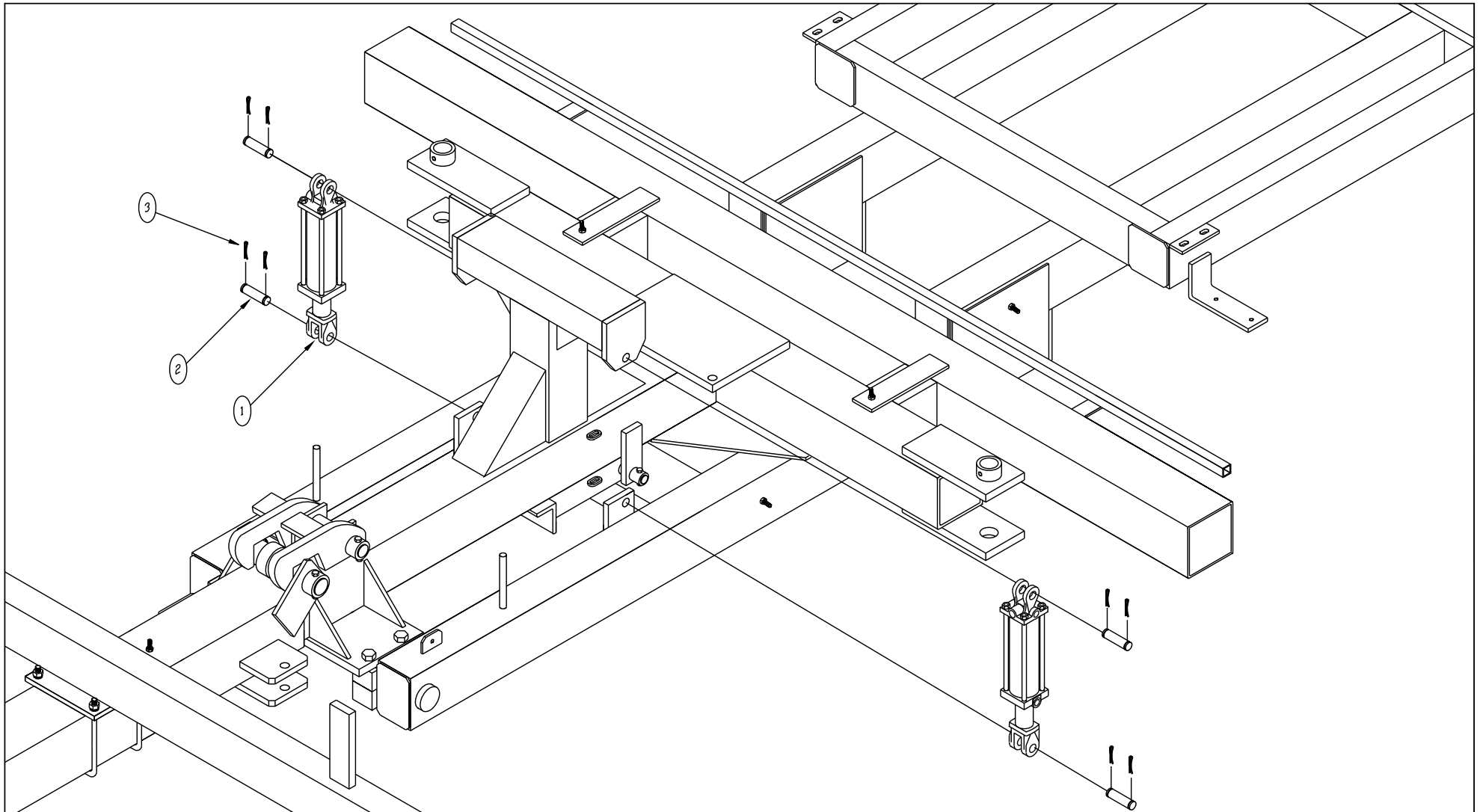
ATTACHING THE TRANSPORT SAFETY LATCH, THE
QUICK HITCH SAFETY LATCH AND THE VALVE
MOUNT BRACKET WELDMENTS.



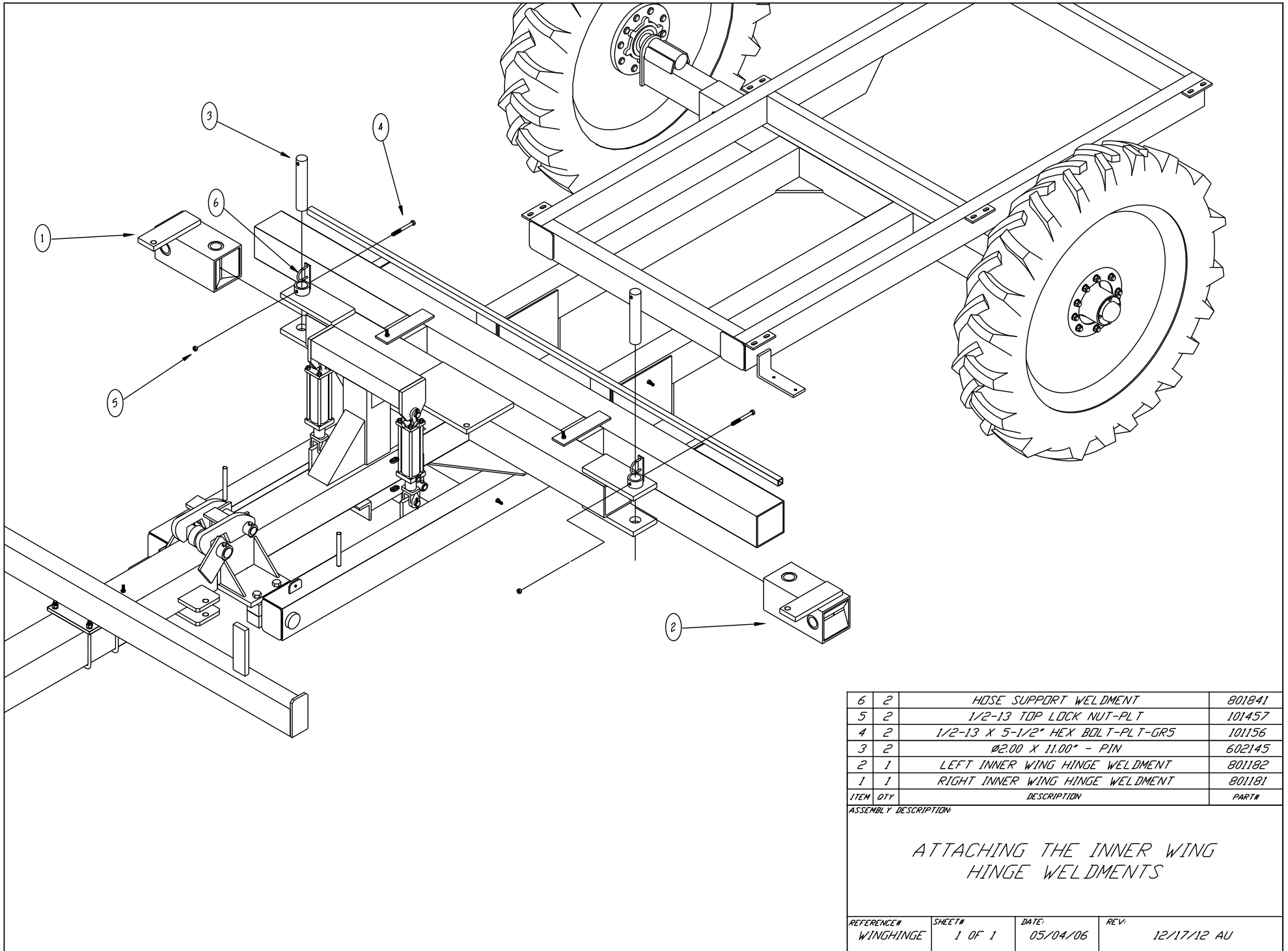
NOTE: SLIDE THE OUTER HITCH TUBE
OVER THE UPPER MAINFRAME TUBE.

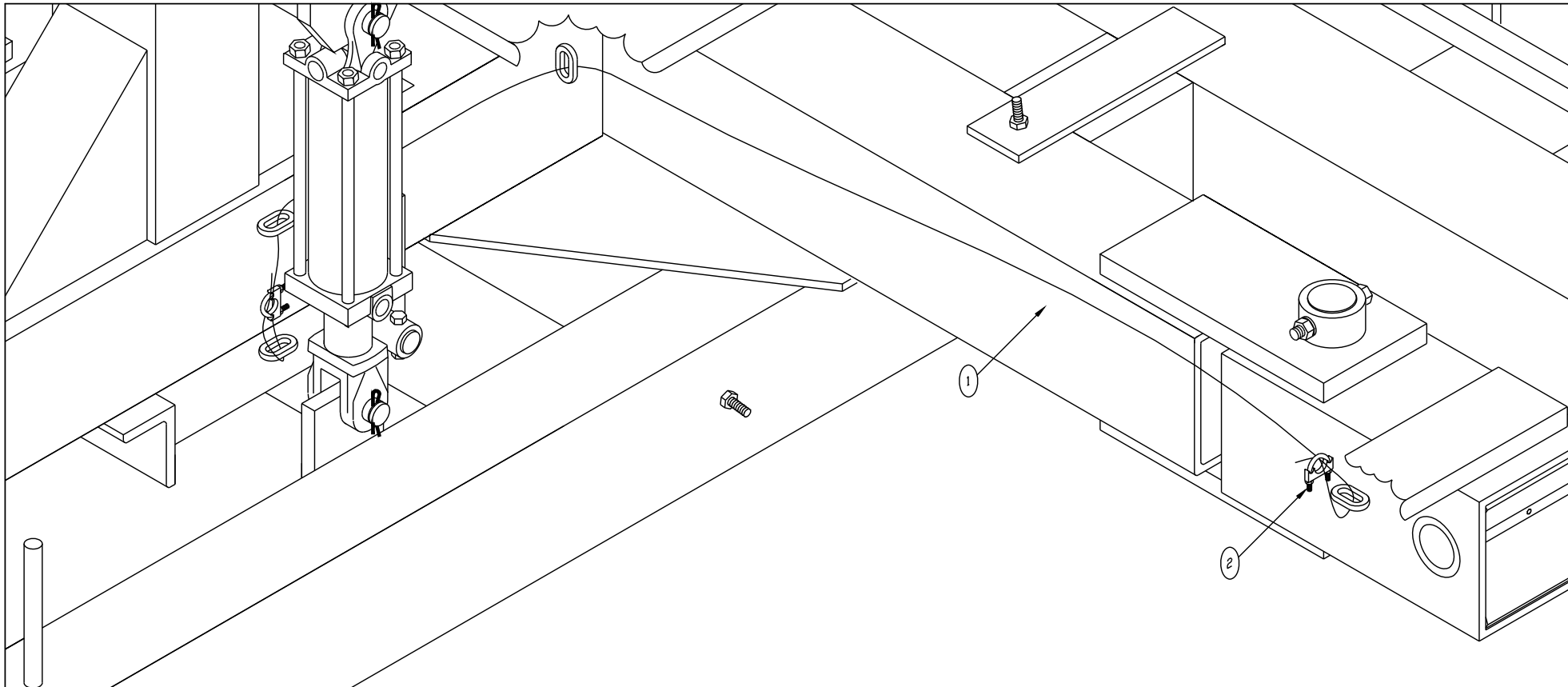
2	1	UPPER MAINFRAME WELDMENT	76801874
1	1	OUTER HITCH WELDMENT	768017952
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION			

OUTER HITCH AND
MAINFRAME ASSEMBLY.



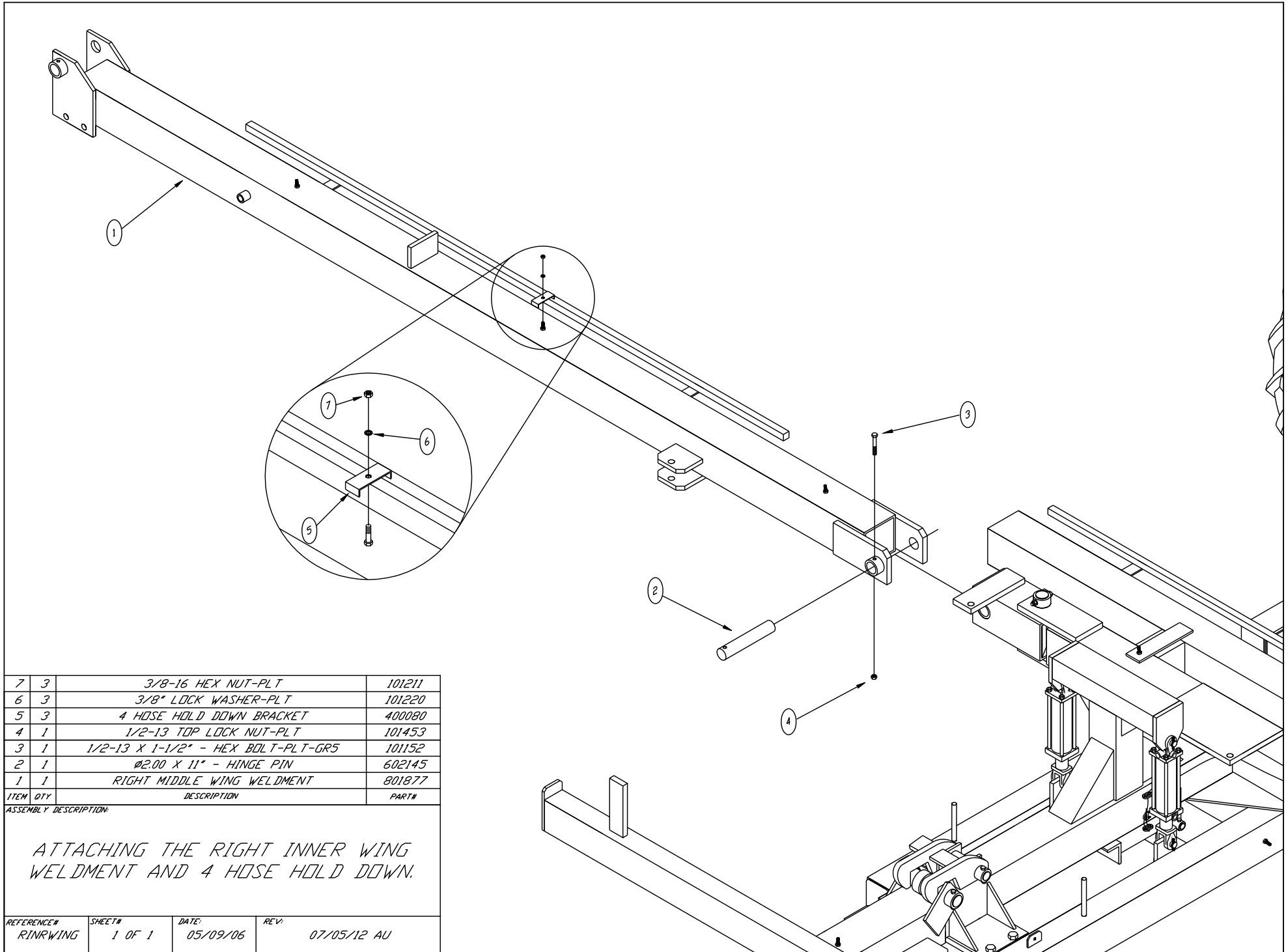
3	8	3/16 X 2" COTTER PIN	101347
2	4	Ø1.00 X 3-5/8" CYLINDER PIN	602136
1	2	3-1/2 X 10" REPHASE CYLINDER	204016
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION:			
ATTACHING THE MAINFRAME HYDRAULIC LIFT CYLINDERS.			
REFERENCE#	SHEET#	DATE:	REV:
MAINCYLNDR	1 OF 1	05/04/06	07/05/12 AU

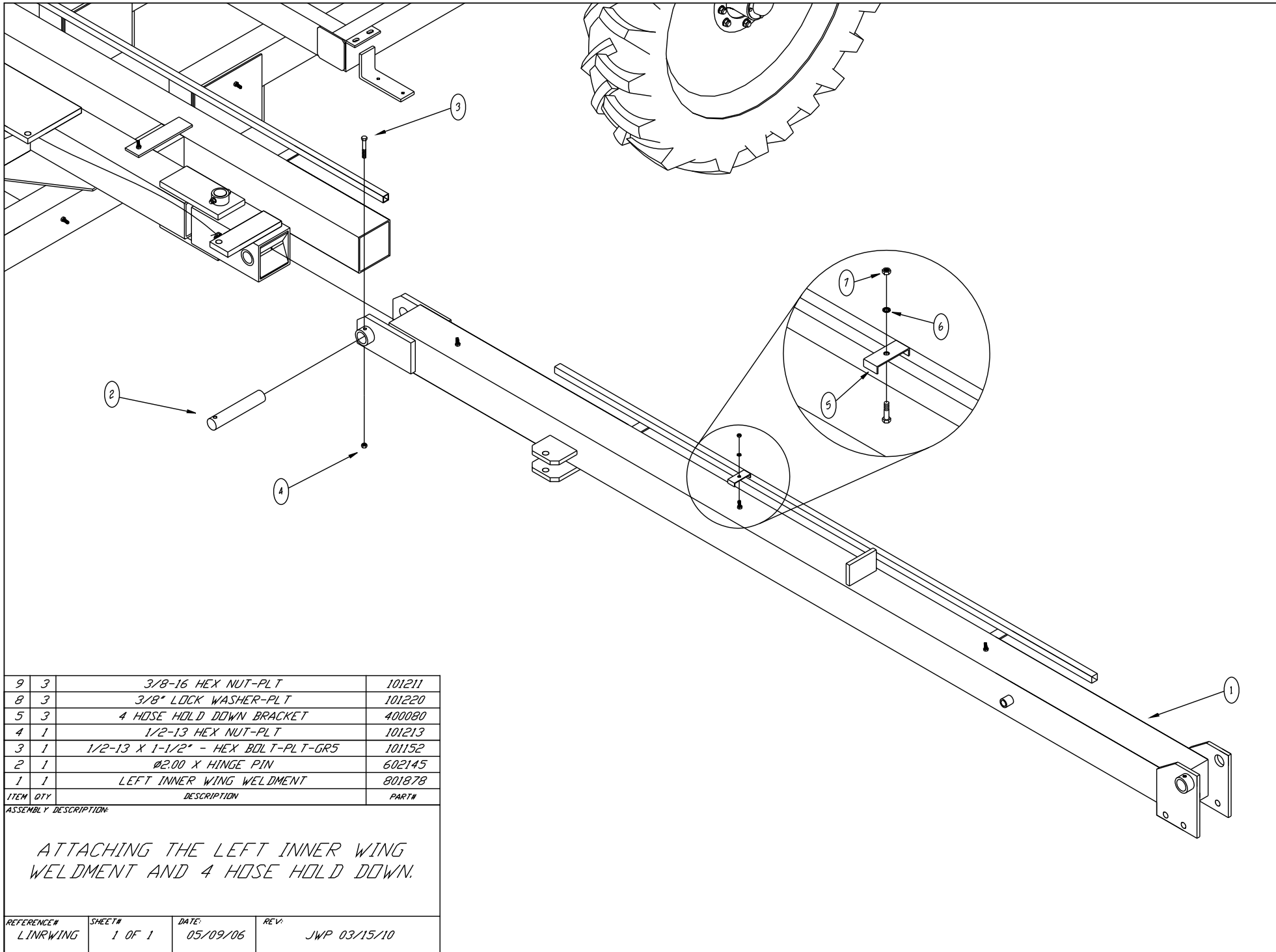




1. ATTACH THE 3/16" STEEL CABLE TO THE WELDED LOOP ON THE TRANSPORT SAFETY WELDMENT BY MAKING A LOOP AND SECURING IT WITH A CABLE CLAMP.
2. PULL THE CABLE UP AND THROUGH THE LOOP WELDED ON THE 7 X 7 FRAME.
3. PULL THE CABLE TOWARDS THE REAR OF THE IMPLEMENT AND THROUGH THE LOOP LOCATED AT THE END OF THE HITCH TUBE.
4. CONTINUE TO PULL THE CABLE TO THE FINAL WELDED LOOP LOCATED ON THE INNER WING HINGE WELDMENT.
5. WHILE THE WINGS ARE IN THE UNFOLDED POSITION (AS SHOWN ABOVE), THE CABLE SHOULD BE PULLED SNUG, CAUSING THE TRANSPORT SAFETY WELDMENT TO CONTACT THE BOTTOM OF THE 7 X 7 FRAME. SECURE THE CABLE WITH A CLAMP.

2	2	3/16" CABLE CLAMPS	101285
1	1	3/16 X 85" SAFETY CABLE	101493
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION:			
INSTALLING THE SAFETY CABLE.			
REFERENCE#	SHEET#	DATE:	REV:
SFTYCBL	1 OF 1	05/05/06	

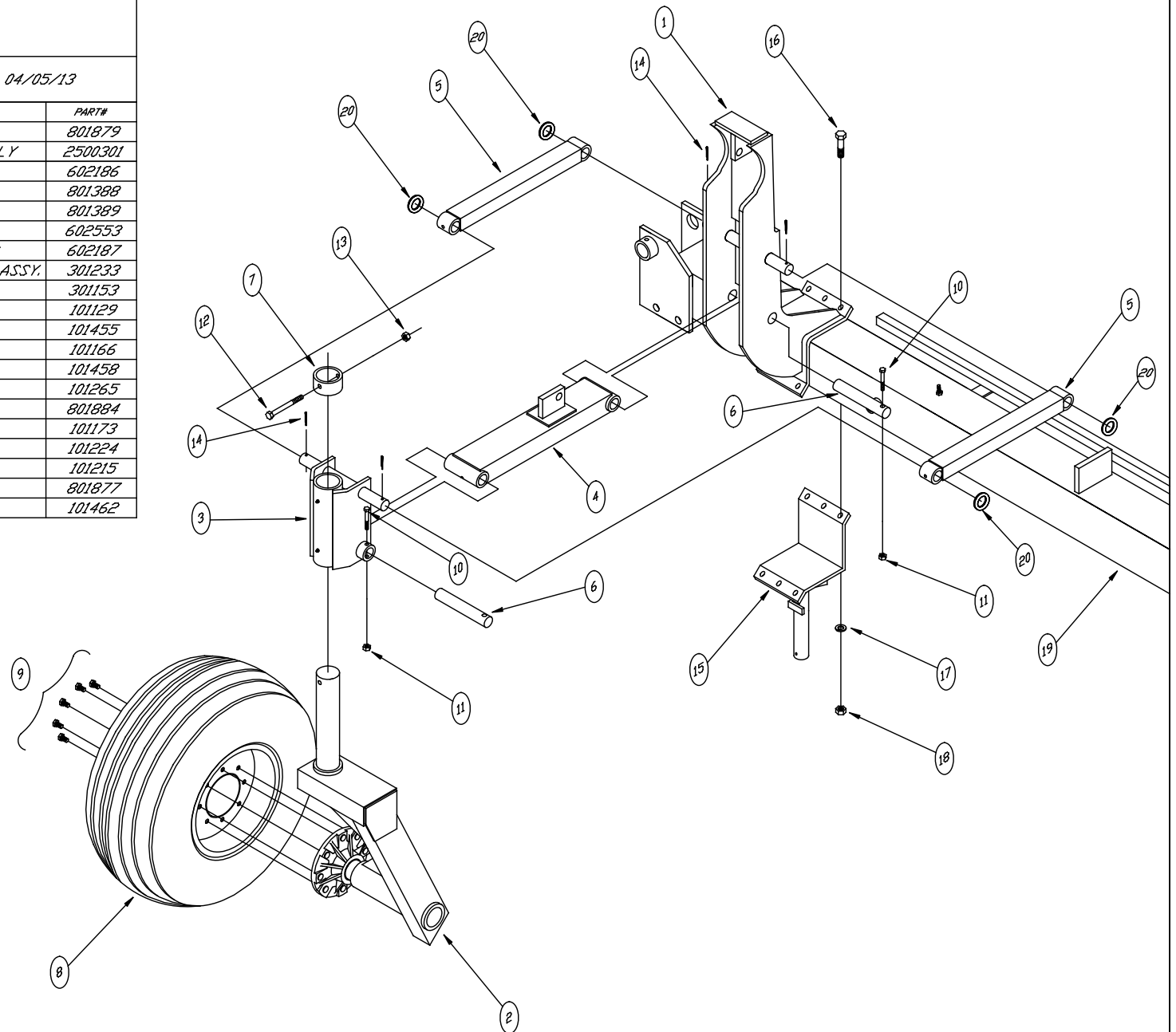


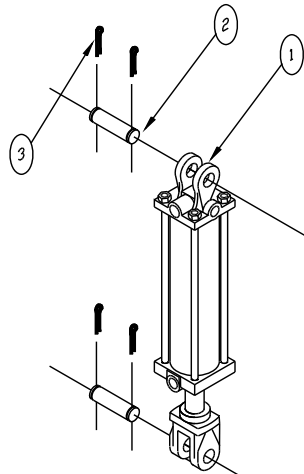


ASSEMBLY DESCRIPTION

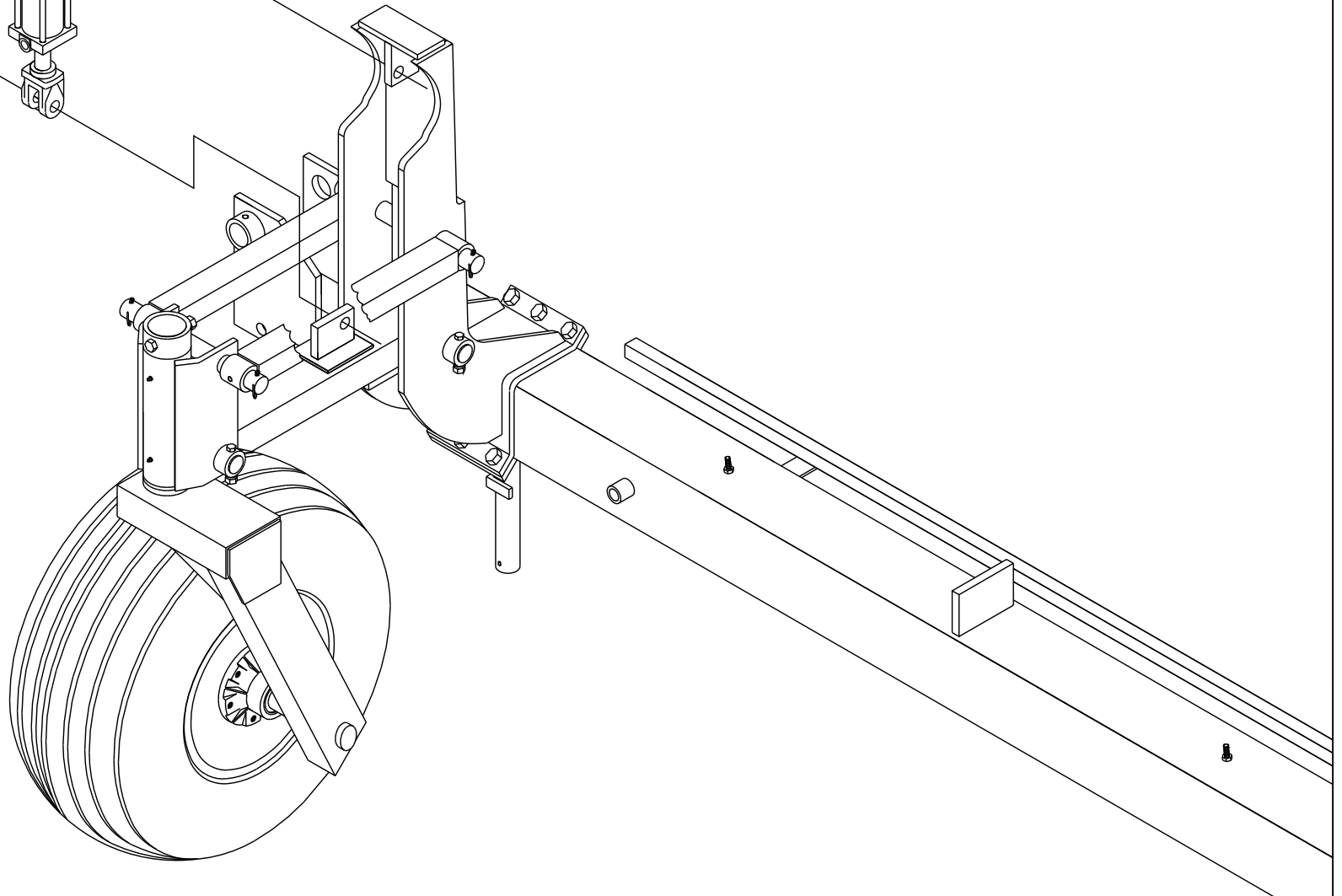
RIGHT CASTER WHEEL ASSEMBLY

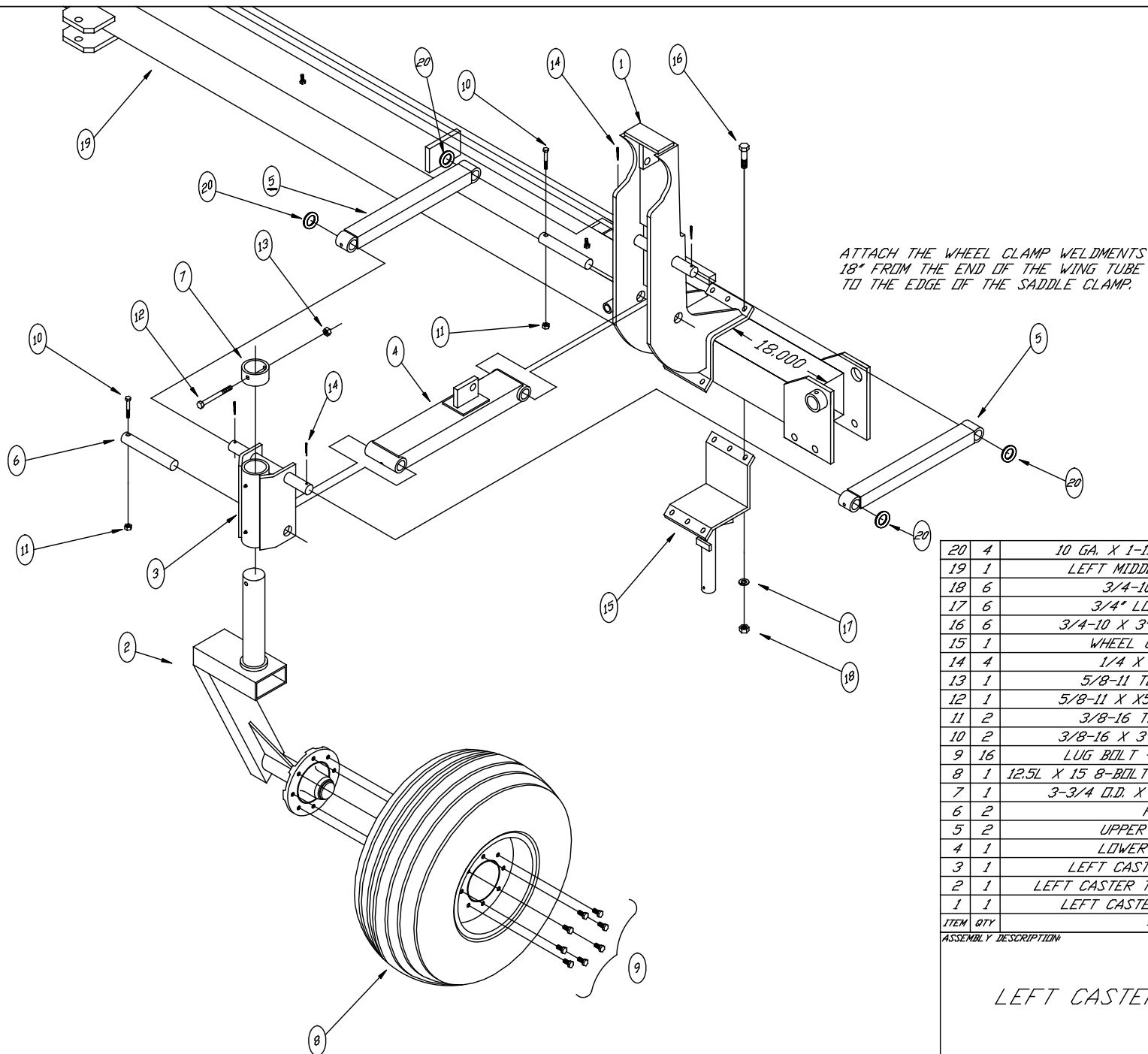
REFERENCE#	SHEET#	DATE	REV
RCSTRWHL	1 OF 1	05/12/06	AU 04/05/13
ITEM	QTY	DESCRIPTION	PART#
1	1	RIGHT CASTER TOWER WELDMENT	801879
2	1	RIGHT CASTER TOWER WHEEL ASSEMBLY	2500301
3	1	RIGHT CASTER TOWER BUSHING	602186
4	1	LOWER PARELLEL ARM	801388
5	2	UPPER PARELLEL ARM	801389
6	2	HINGE PIN	602553
7	1	3-3/4 O.D. X 3 I.D. X 2" - COLLAR	602187
8	1	12.5L X 15 8-BOLT 12 PLY TIRE/WHEEL ASSY.	301233
9	8	LUG BOLT - 9/16"X18 X 1-1/8"	301153
10	2	3/8-16 X 3" HEX BOLT-PLT-GR5	101129
11	2	3/8-16 TOP LOCK NUT-PLT	101455
12	1	5/8-11 X 5" HEX BOLT-PLT,GR5	101166
13	1	5/8-11 TOP LOCK NUT-PLT	101458
14	4	1/4 X 2" COTTER PIN	101265
15	1	WHEEL CLAMP WELDMENT	801884
16	6	3/4-10 X 3" HEX BOLT-PLT-GR5	101173
17	6	3/4" LOCK WASHER-PLT	101224
18	6	3/4-10 HEX NUT-PLT	101215
19	1	RIGHT MIDDLE WING WELDMENT	801877
20	4	10 GA. X 1-1/2" MACHINE WASHER	101462





3	4	1/4 X 2" COTTER PIN	101265
2	2	Ø1.00 X 3-5/8" CYLINDER PIN	602136
1	1	3-1/4 X 10" REPHASE CYLINDER	204015
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION:			
ATTACHING THE RIGHT CASTER WHEEL CYLINDER			
REFERENCE#	SHEET#	DATE:	REV:
RCSTRCYL	1 OF 1	05/18/06	AU 07/23/12

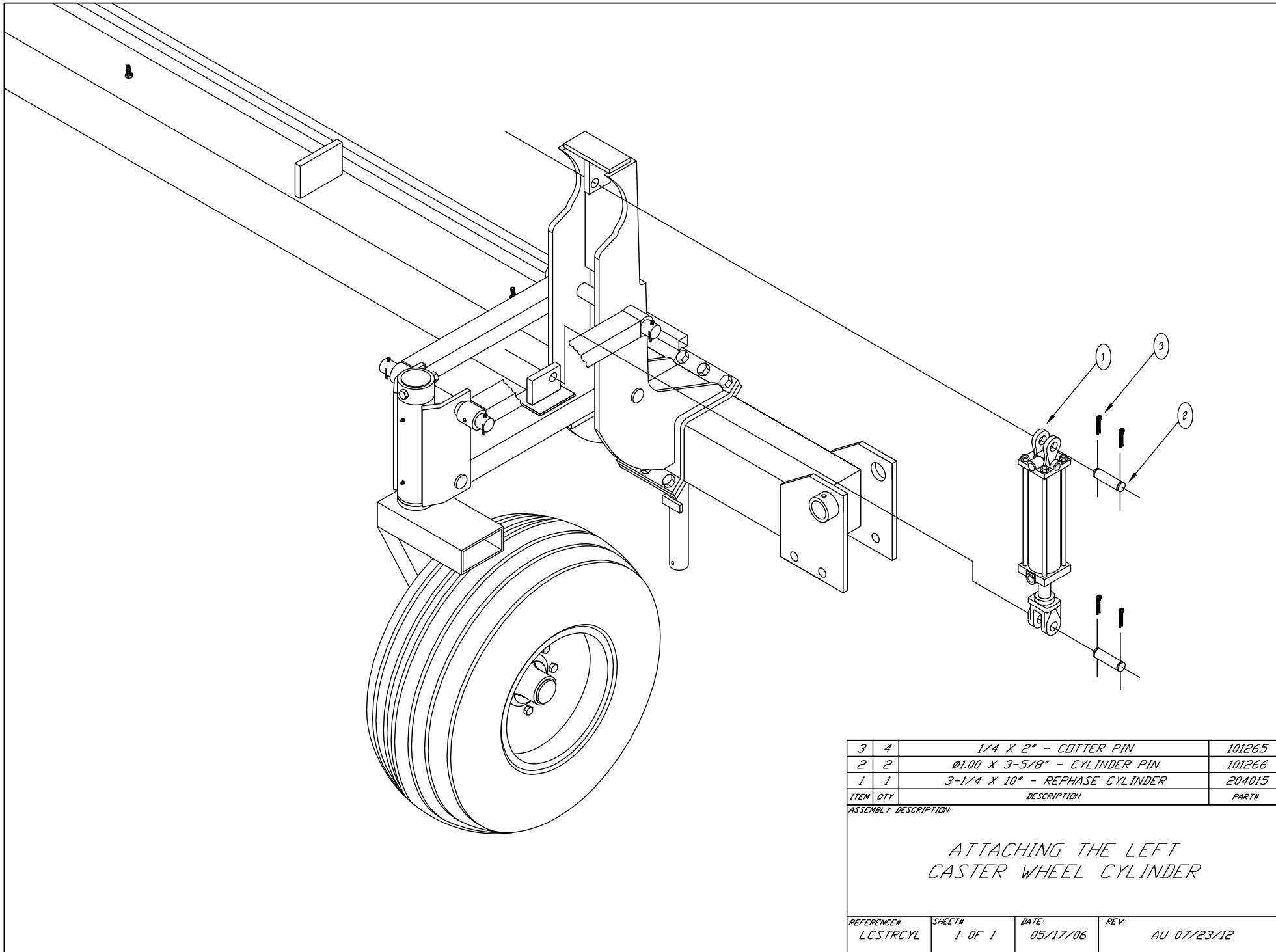




20	4	10 GA. X 1-1/2" MACHINE WASHER	101462
19	1	LEFT MIDDLE WING WELDMENT	801878
18	6	3/4-10 HEX NUT-PLT	101215
17	6	3/4" LOCK WASHER-PLT	101224
16	6	3/4-10 X 3" HEX BOLT-PLT-GR5	101173
15	1	WHEEL CLAMP WELDMENT	801884
14	4	1/4 X 2" COTTER PIN	101265
13	1	5/8-11 TOP LOCK NUT-PLT	101458
12	1	5/8-11 X 5" HEX BOLT-PLT-GR5	101166
11	2	3/8-16 TOP LOCK NUT-PLT	101455
10	2	3/8-16 X 3" HEX BOLT-PLT-GR5	101129
9	16	LUG BOLT - 9/16"-18 X 1-1/8"	301153
8	1	12.5L X 15 8-BOLT 12 PKT-TIRE/WHEEL ASSY.	301233
7	1	3-3/4 O.D. X 3 I.D. X 2" - COLLAR	602187
6	2	HINGE PIN	602553
5	2	UPPER PARELLEL ARM	801389
4	1	LOWER PARELLEL ARM	801388
3	1	LEFT CASTER TOWER BUSHING	602185
2	1	LEFT CASTER TOWER WHEEL ASSEMBLY	2500300
1	1	LEFT CASTER TOWER WELDMENT	801880
ITEM	QTY	DESCRIPTION	PART#

LEFT CASTER WHEEL ASSEMBLY.

REFERENCE#	SHEET#	DATE	REV
LCSTRWHL	1 OF 1	05/15/06	AU 04/05/13

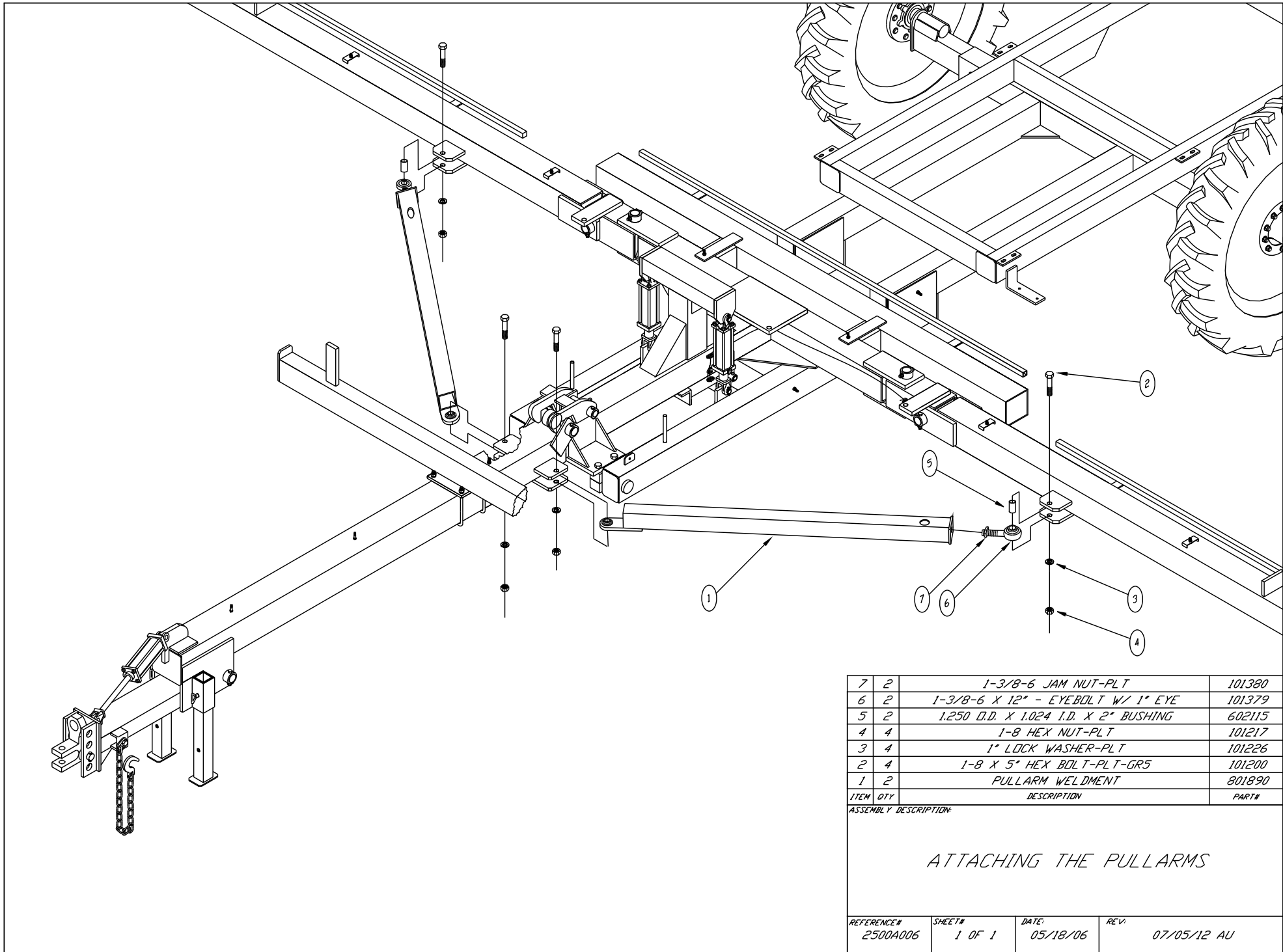


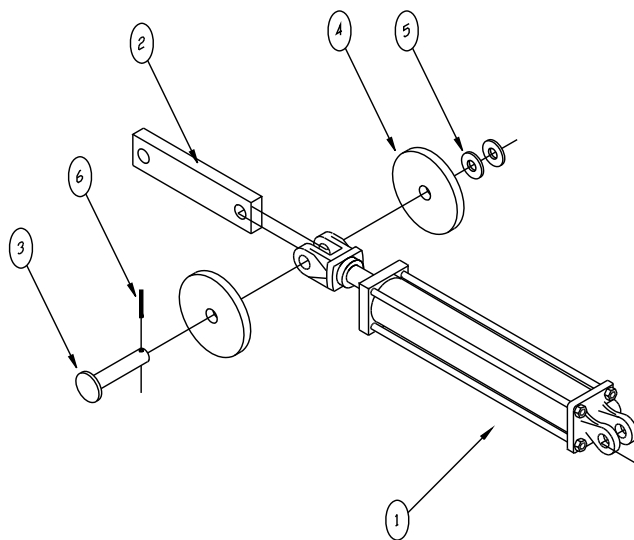
3	4	1/4 X 2" - COTTER PIN	101265
2	2	Ø1.00 X 3-5/8" - CYLINDER PIN	101266
1	1	3-1/4 X 10" - REPHASE CYLINDER	204015
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

ATTACHING THE LEFT
CASTER WHEEL CYLINDER

REFERENCE#	SHEET#	DATE:	REV:
LCSTRCYL	1 OF 1	05/17/06	AU 07/23/12

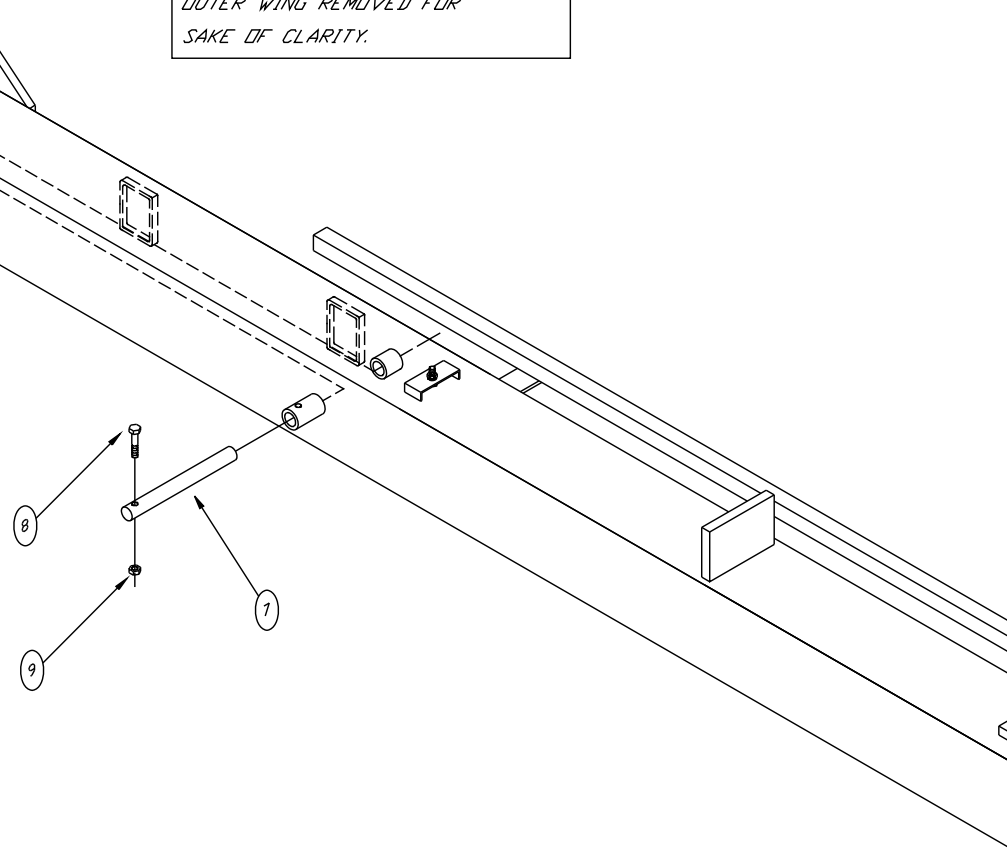




REPEAT ASSEMBLY PROCEDURE
AS SHOWN FOR THE LEFT WING.

ASSEMBLE DRAG LINK ASSEMBLY
BEFORE INSTALLING CYLINDER.

OUTER WING REMOVED FOR
SAKE OF CLARITY.

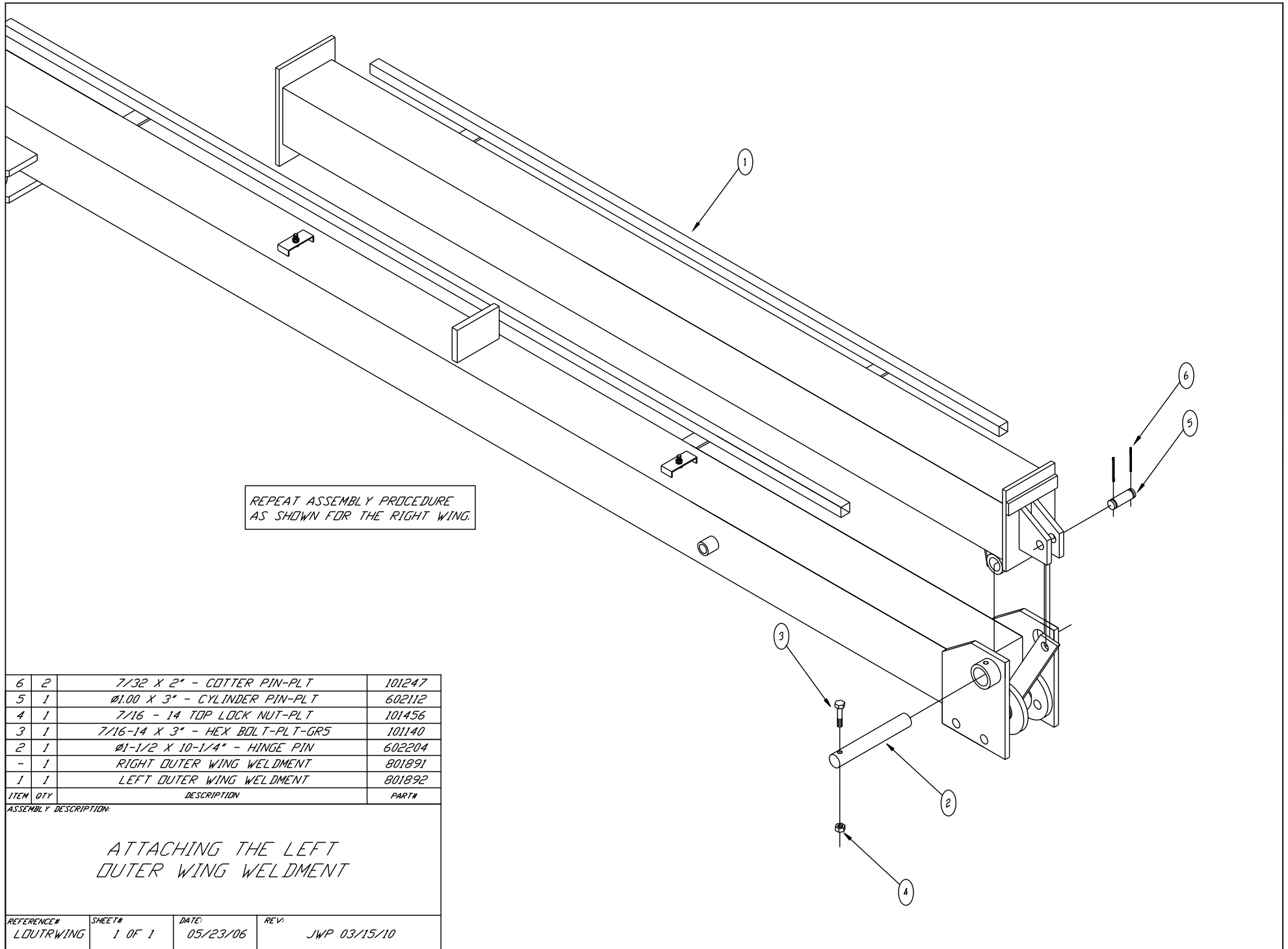


9	1	3/8-16 - TOP LOCK NUT - PLT.	101455
8	1	3/8-16 X 2" - HEX BOLT-PLT.	101127
7	1	1 X 10" - STRESS PROOF PIN	602166
6	1	3/16 X 1-1/2" - COTTER PIN-PLT.	101246
5	2	1" FLAT WASHER - PLT.	101235
4	2	5/8 X Ø6.00" - ROLLER	400204
3	1	Ø1.00 X 5.00" - WELDED CYLINDER PIN	602193
2	1	1 X 2-1/2 X 11" - DRAG LINK	400050
1	1	4 X 16" HYDRAULIC CYLINDER	204007
ITEM	QTY	DESCRIPTION	PART#

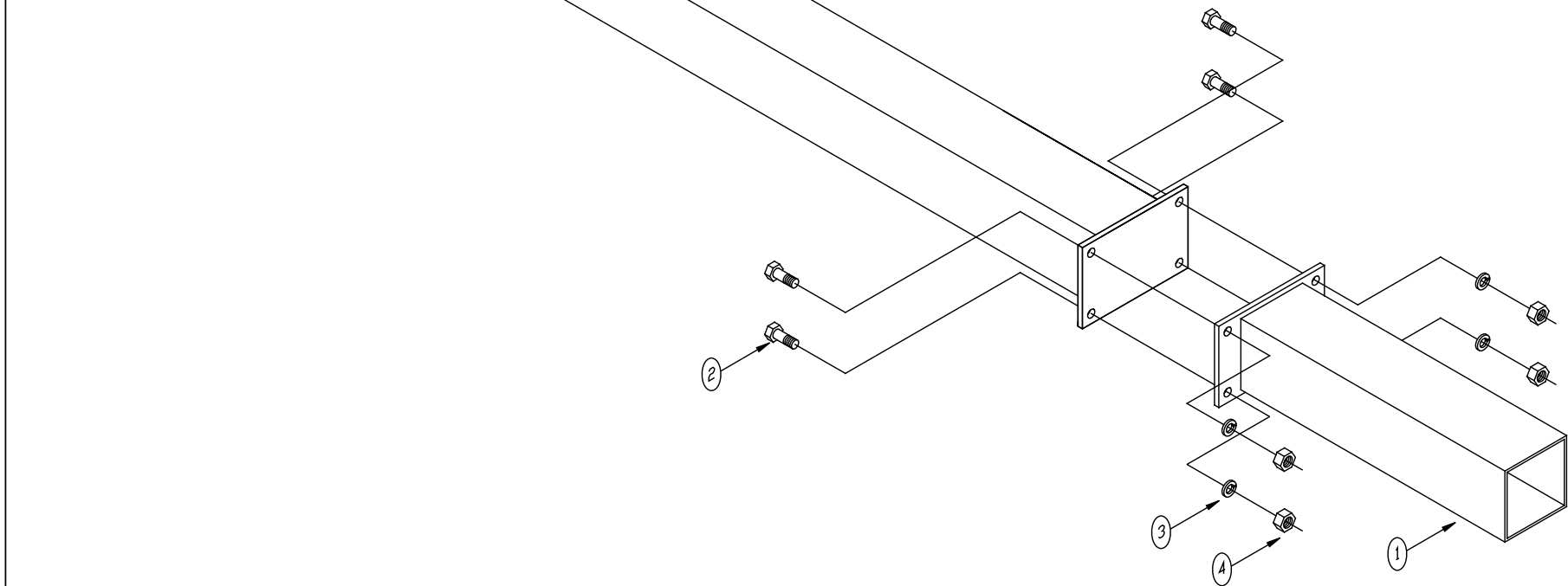
ASSEMBLY DESCRIPTION:

RIGHT OUTER WING FOLD CYLINDER

REFERENCE#	SHEET#	DATE:	REV:
R0UTRWGCYL	1 OF 1	05/22/06	JWP 03/15/10



*OUTER STUB WING ATTACHMENT
(FOR 25 ROW MODELS ONLY)*



*OUTER STUB WING ATTACHMENT
(FOR 25 ROW MODELS ONLY)*

NOTES:

<i>ITEM</i>	<i>QTY</i>	<i>PART#</i>	<i>DESCRIPTION</i>
1	1	76801725	LEFT OUTER STUB WING
–	–	76801724	RIGHT OUTER STUB WING (NOT SHOWN)
2	4	76101172	3/4–10 X 2–1/2" – HEX BOLT – PLT.
3	4	76101224	3/4" – LOCK WASHER – PLT.
4	4	76101215	3/4–10 HEX NUT – PLT.

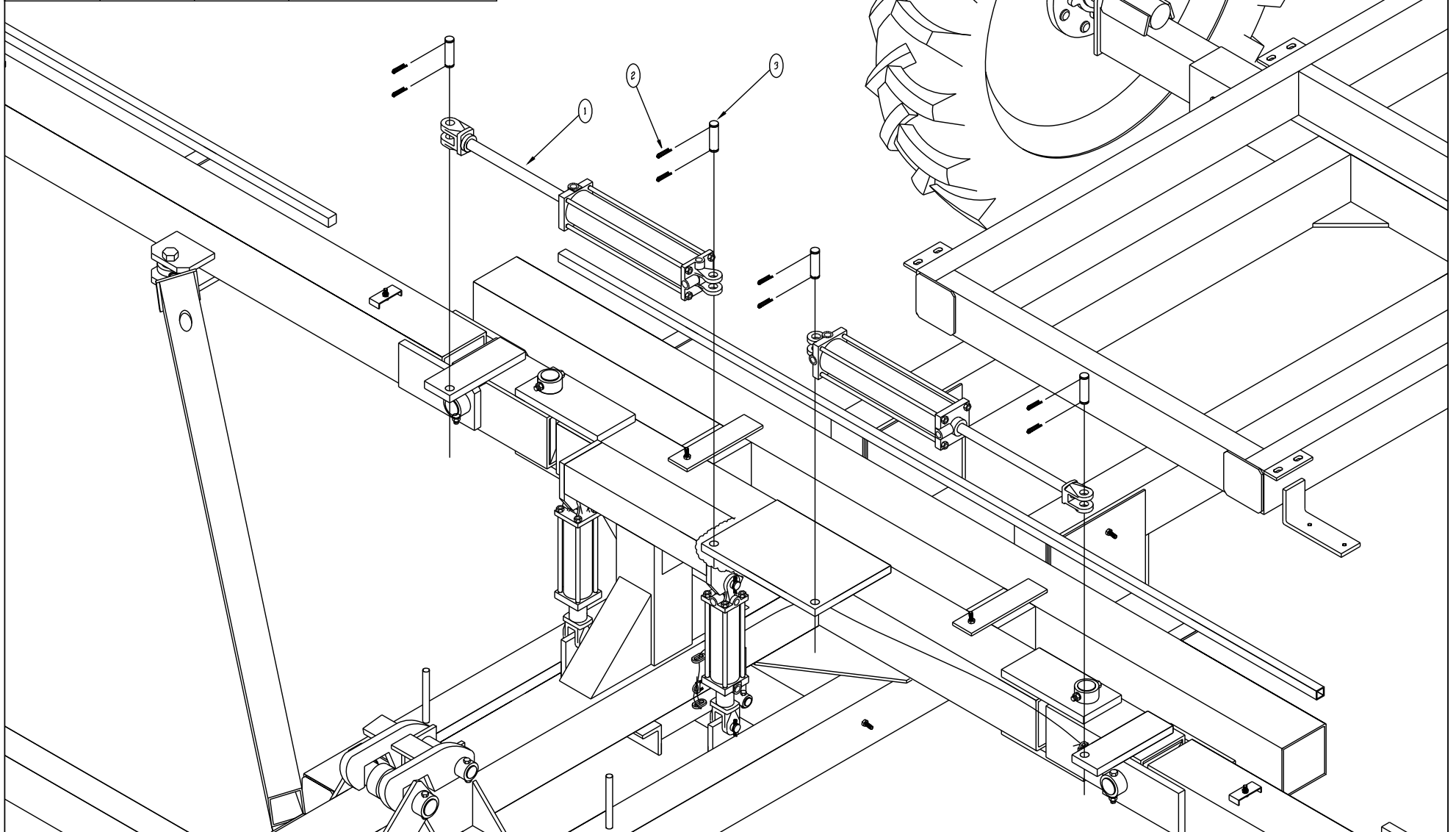
*REPEAT ASSEMBLY PROCEDURE SHOWN
FOR THE RIGHT OUTER STUB WINGS.*

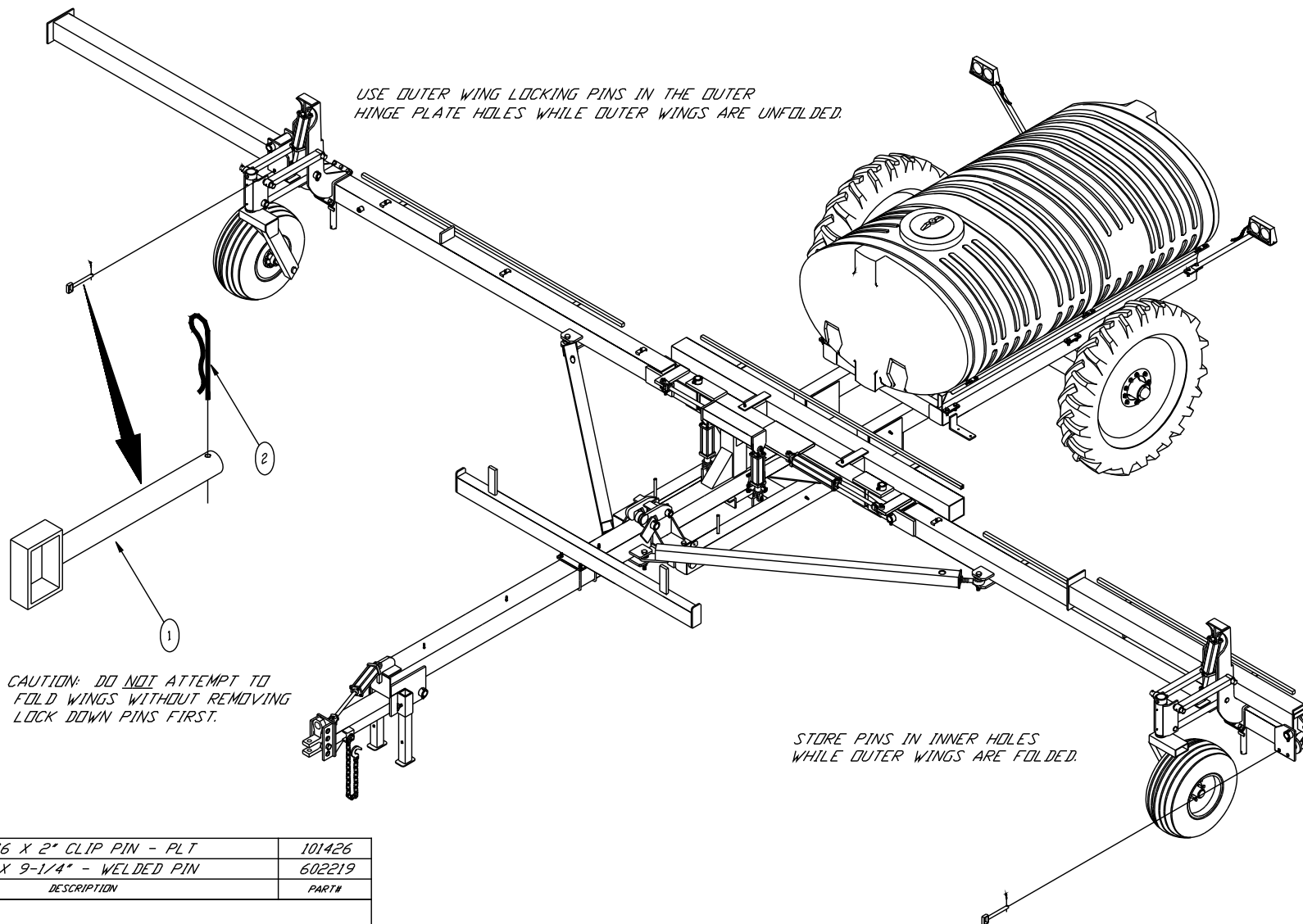
3	8	3/16 X 2"-COTTER PIN	101266
2	4	Ø1.00 X 3-5/8 - CYLINDER PIN	602138
1	2	4 X 16" D-RING PORT HYDRAULIC CYLINDER	204007
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

ATTACHING THE HYDRAULIC WING FOLD CYLINDERS

REFERENCE#	SHEET#	DATE:	REV:
WNGFLDCYL	1 OF 1	05/24/06	



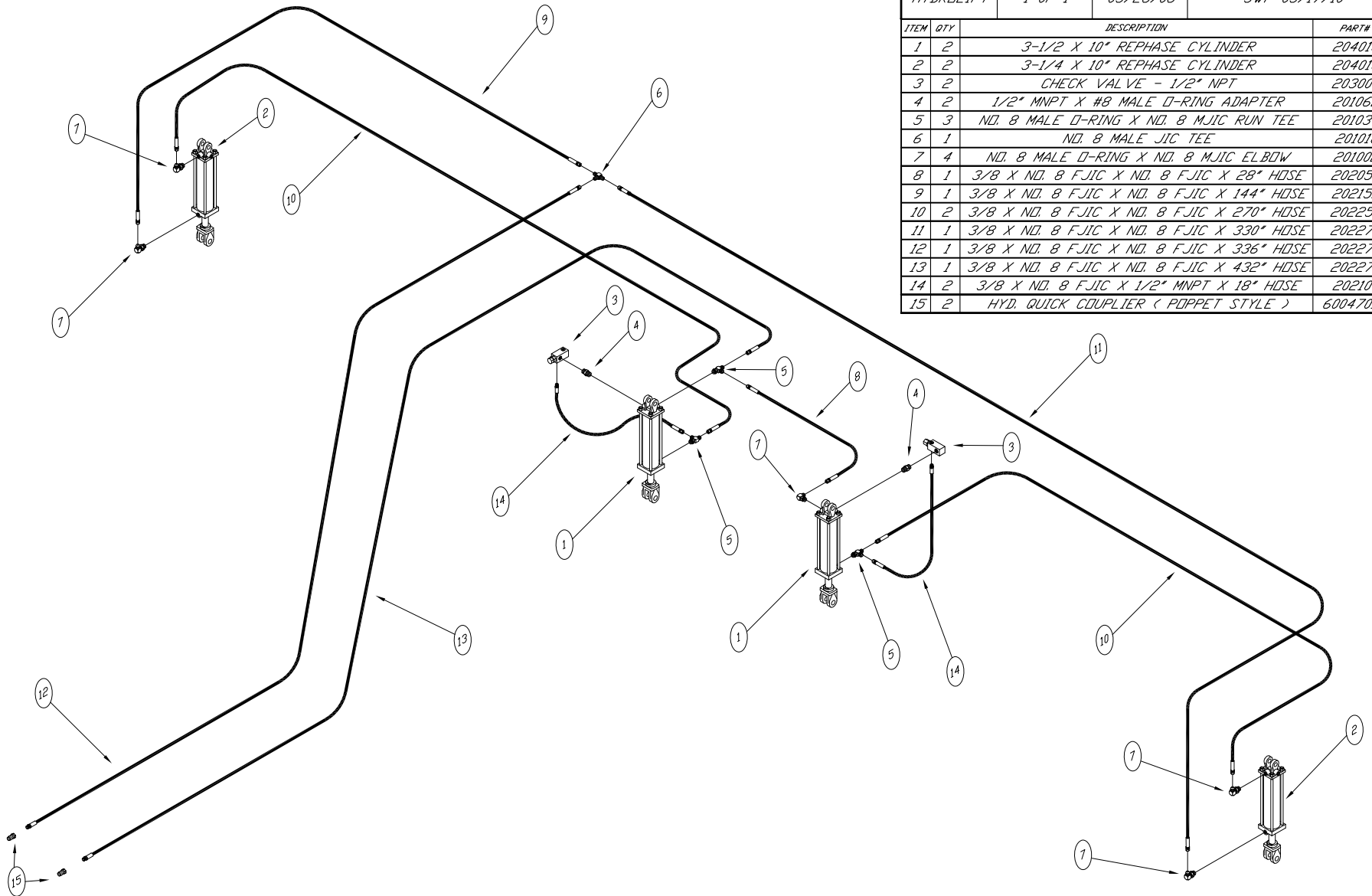


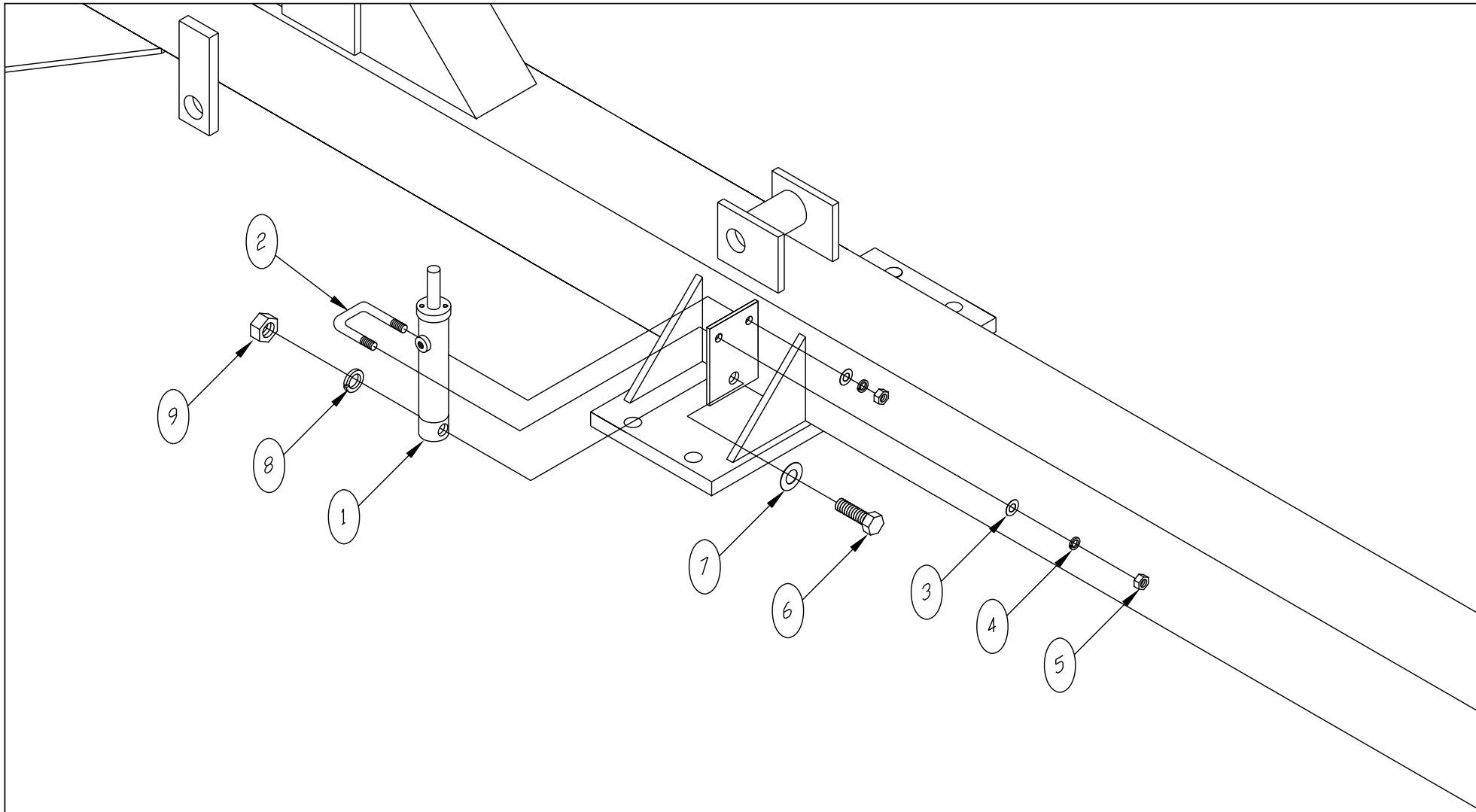
2	1	3/16 X 2" CLIP PIN - PLT	101426
1	1	Ø1 X 9-1/4" - WELDED PIN	602219
ITEM	QTY	DESCRIPTION	PART#
ASSEMBLY DESCRIPTION:			
OUTER WING LOCK DOWNS			
REFERENCE#	SHEET#	DATE:	REV:
2500A007	1 OF 1	06/06/06	07/05/12 AU

ASSEMBLY DESCRIPTION:

HYDRAULIC LIFT SCHEMATIC

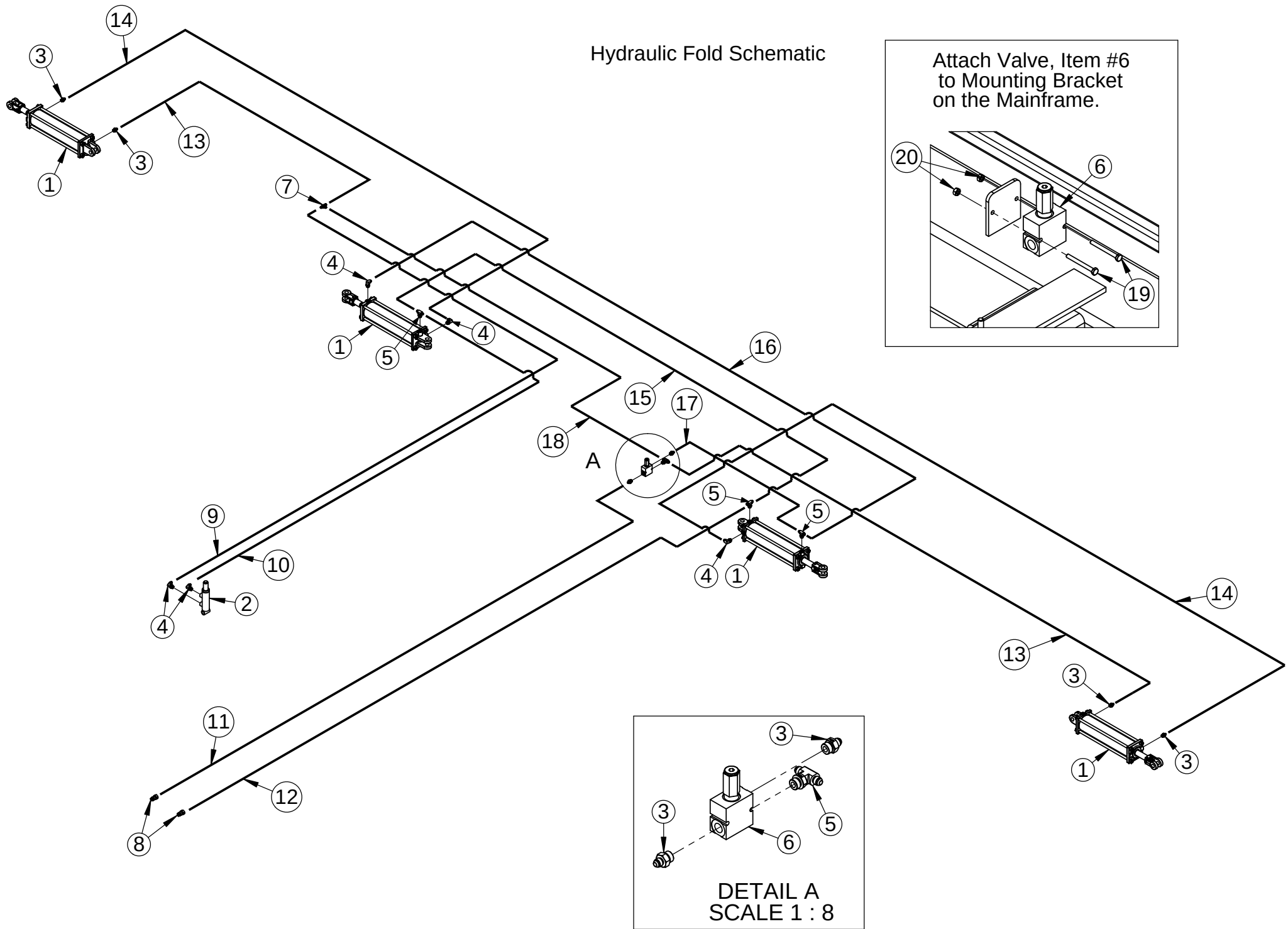
REFERENCE#	SHEET#	DATE:	REV:
HYDROLIFT	1 OF 1	05/26/06	JWP 03/17/10
ITEM	QTY	DESCRIPTION	PART#
1	2	3-1/2 X 10" REPHASE CYLINDER	204016
2	2	3-1/4 X 10" REPHASE CYLINDER	204015
3	2	CHECK VALVE - 1/2" NPT	203005
4	2	1/2" MNPT X #8 MALE O-RING ADAPTER	201062
5	3	NO. 8 MALE O-RING X NO. 8 MJIC RUN TEE	201037
6	1	NO. 8 MALE JIC TEE	201010
7	4	NO. 8 MALE O-RING X NO. 8 MJIC ELBOW	201002
8	1	3/8 X NO. 8 FJIC X NO. 8 FJIC X 28" HOSE	202056
9	1	3/8 X NO. 8 FJIC X NO. 8 FJIC X 144" HOSE	202152
10	2	3/8 X NO. 8 FJIC X NO. 8 FJIC X 270" HOSE	202252
11	1	3/8 X NO. 8 FJIC X NO. 8 FJIC X 330" HOSE	202274
12	1	3/8 X NO. 8 FJIC X NO. 8 FJIC X 336" HOSE	202277
13	1	3/8 X NO. 8 FJIC X NO. 8 FJIC X 432" HOSE	202278
14	2	3/8 X NO. 8 FJIC X 1/2" MNPT X 18" HOSE	202104
15	2	HYD. QUICK COUPLER (POPPET STYLE)	600470110





9	1	3/4"-10 HEX NUT-PLT	76101215
8	1	3/4" LOCK WASHER-PLT	76101224
7	1	3/4" FLAT WASHER-PLT	76101233
6	1	3/4"-10 X 3"-PLT-GR5	76101173
5	2	1/2"-13 HEX NUT-PLT	76101213
4	2	1/2" LOCK WASHER-PLT	76101222
3	2	1/2" FLAT WASHER-PLT	76101231
2	1	1/2"-13 X 3" X 3" U-BOLT-PLT	76101307
1	1	SAFETY LATCH HYDRAULIC RAM	76204020
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:
 ATTACHING THE HYDRAULIC RAM
 SAFETY LOCK CYLINDER.



Hydraulic Fold Schematic

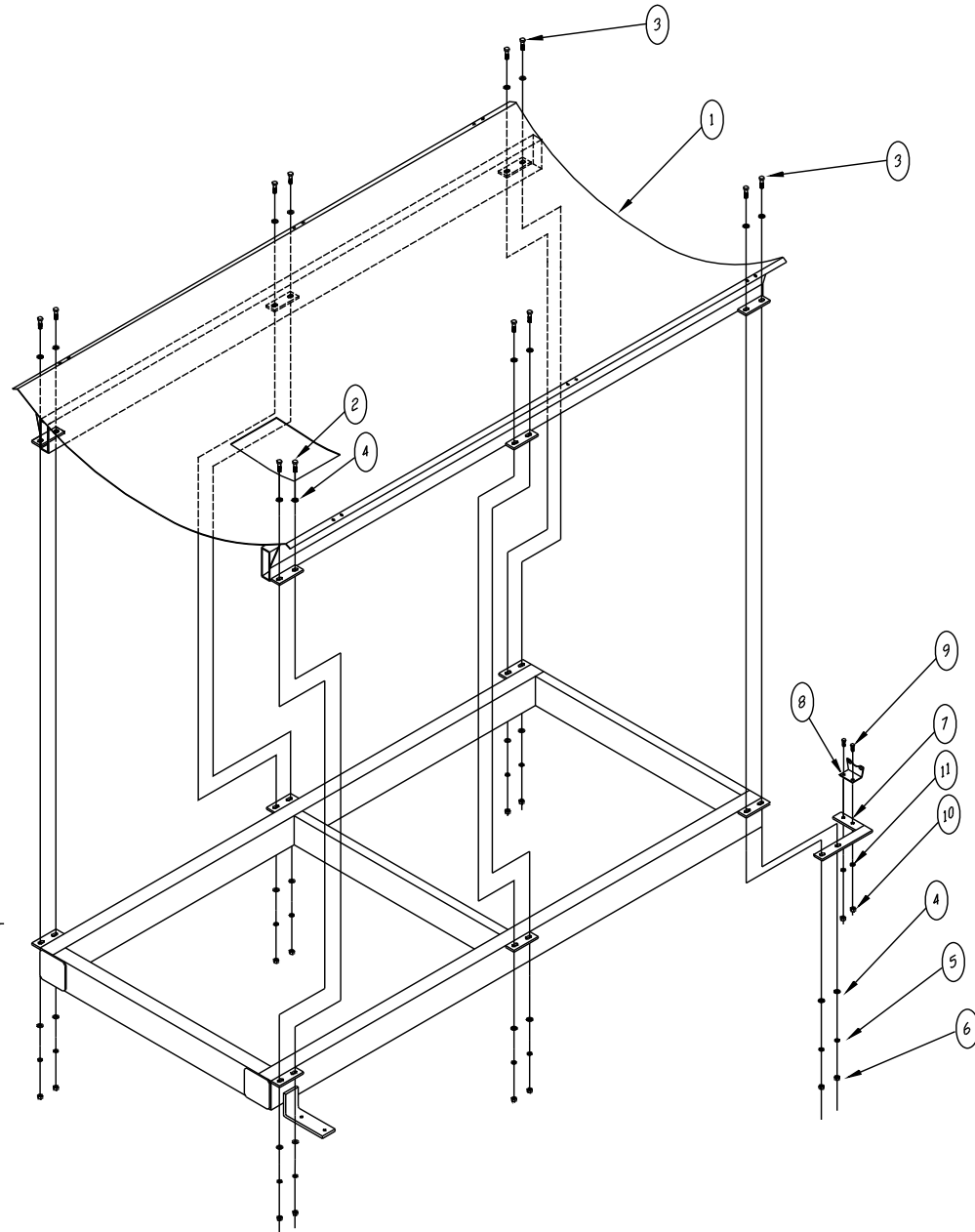
ITEM NO.	PART NUMBER	Description1	QTY.
1	76204007	4" X 16" HYDRAULIC CYLINDER	4
2	76204020	SAFETY LATCH HYDRAULIC RAM	1
3	76201003	NO.6 MJIC X NO.8 MALE ORING STRAIGH	6
4	76201001	NO.6 MJIC X NO.8 MALE ORING BOSS 90	5
5	7600470466	#6 MJIC X #6 MJIC X #8 M-ORING BRANCH TEE	4
6	76203101	VALVE ASSEMBLY	1
7	76201009	NO. 6 MJIC UNION TEE	1
8	76201028	1/2" FEMALE NPT-PIONEER MALE TIP	2
9	76202258	1/4" X 84" X 6FJIC X 6FJIC HOSE	1
10	76202257	1/4" X 64" X 6FJIC X 6FJIC HOSE	1
11	76202275	1/4" X 402" X #6JICF X 1/2" MNPT HOSE	1
12	76202276	1/4" X 420" X #6JICF X 1/2" MNPT HOSE	1
13	76202259	1/4" X 186" X 6FJIC X 6FJIC HOSE	2
14	76202260	1/4" X 222" X 6FJIC X 6FJIC HOSE	2
15	76202255	1/4" X 22" X 6FJIC X 6FJIC HOSE	1
16	76202256	1/4" X 62" X 6FJIC X 6FJIC HOSE	1
17	76202210	1/4" X 70" X 6 FJIC X 6 FJIC HOSE	1
18	76202214	1/4" X 18" X 6 FJIC X 6 FJIC HOSE	1
19	76101105	Bolt 1/4"-20 x 2-1/2" Plated Gr. 5	2
20	600366026	Stover Locknut Type C - 1/4" UNC	2

ASSEMBLY DESCRIPTION:

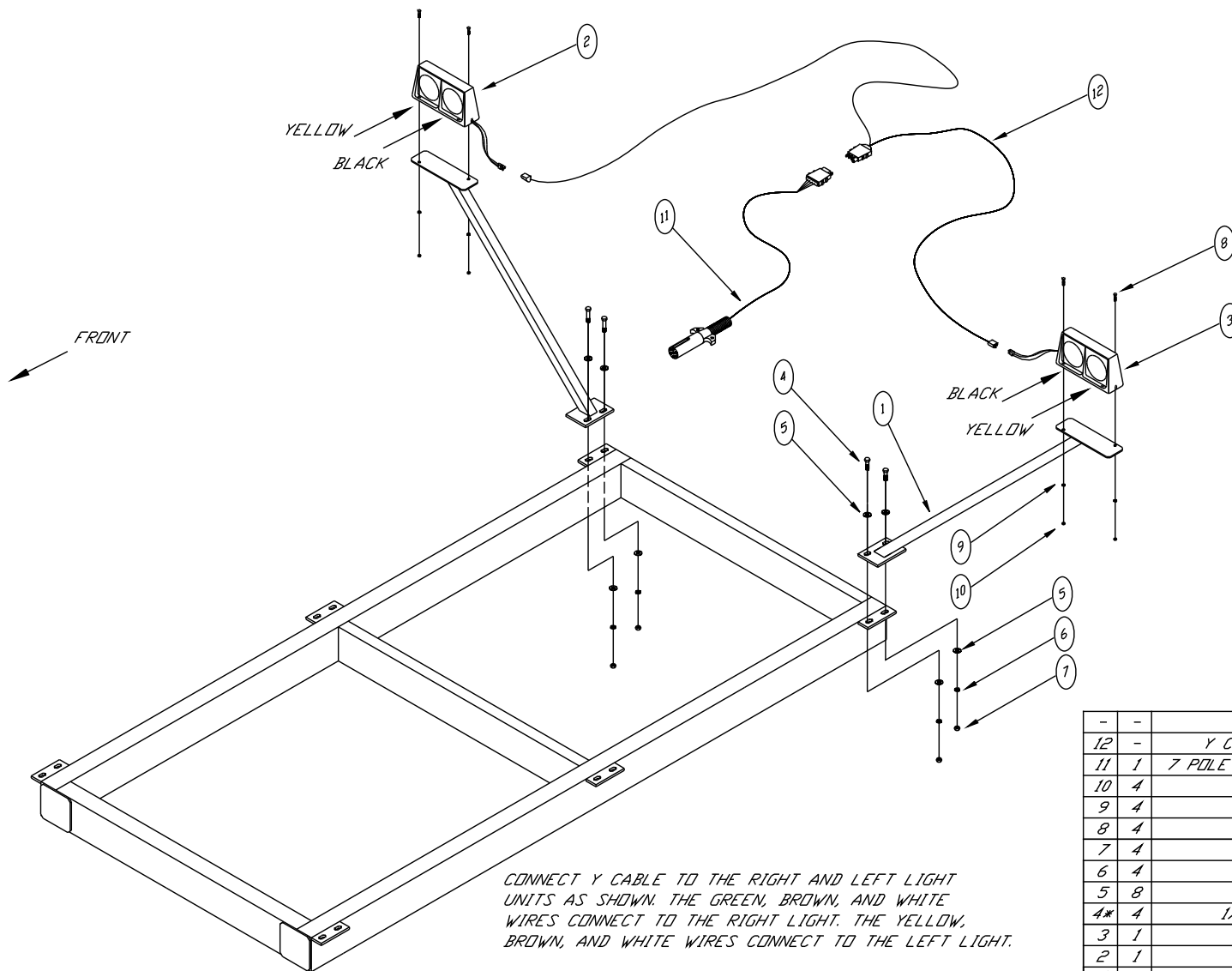
ATTACHING THE TANK SADDLE AND 2" QUICK FILL HARDWARE

REFERENCE#	SHEET#	DATE:	REV:
TANKSADL	1 OF 1	06/01/06	

ITEM	QTY	DESCRIPTION	PART#
1	1	1600 GALLON TANK SADDLE	801819
2	8	1/2-13 X 2"-HEX BOLT-PLT-GR.5	101149
3	4	1/2-13 X 2-1/2"-HEX BOLT-PLT-GR.5	101150
4	24	1/2" FLAT WASHER-PLT	101231
5	12	1/2" LOCK WASHER-PLT	101222
6	12	1/2-13 HEX NUT-PLT	101213
7	1	QUICK FILL L-BRACKET WELDMENT	802000
8	1	90 DEGREE STAINLESS MOUNTING BRACKET	700192
9	2	3/8-16 X 1" HEX BOLT	101125
10	2	3/8" LOCK WASHER	101220
11	2	3/8 -16 HEX NUT-PLT GR.5	101211



LOWER MAINFRAME WELDMENT
REMOVED FOR CLARITY.



CONNECT Y CABLE TO THE RIGHT AND LEFT LIGHT UNITS AS SHOWN. THE GREEN, BROWN, AND WHITE WIRES CONNECT TO THE RIGHT LIGHT. THE YELLOW, BROWN, AND WHITE WIRES CONNECT TO THE LEFT LIGHT.

* THESE ARE THE SADDLE MOUNT BOLTS AND OTHER HARDWARE. ATTACH THE LIGHTS AFTER ATTACHING THE TANK SADDLE. TANK SADDLE AND TANK REMOVED FOR CLARITY.

-	-	LIGHT PACKAGE	500043
12	-	Y CABLE HARNESS ASSEMBLY 25 FT.	-----
11	1	7 POLE PLUG AND HARNESS ASSEMBLY 25FT.	500018
10	4	1/4-20 HEX NUT	101209
9	4	1/4" LOCK WASHER	101218
8	4	1/4-20 X 1" HEX BOLT	101102
7	4	1/2-13 HEX NUT-PLT	101213
6	4	1/2" LOCK WASHER-PLT	101222
5	8	1/2" FLAT WASHER-PLT	101231
4*	4	1/2-13 X 2-1/2" HEX BOLT-PLT	101150
3	1	LEFT LIGHT UNIT	-----
2	1	RIGHT LIGHT UNIT	-----
1	2	LIGHT MOUNTING BRACKET	801825
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

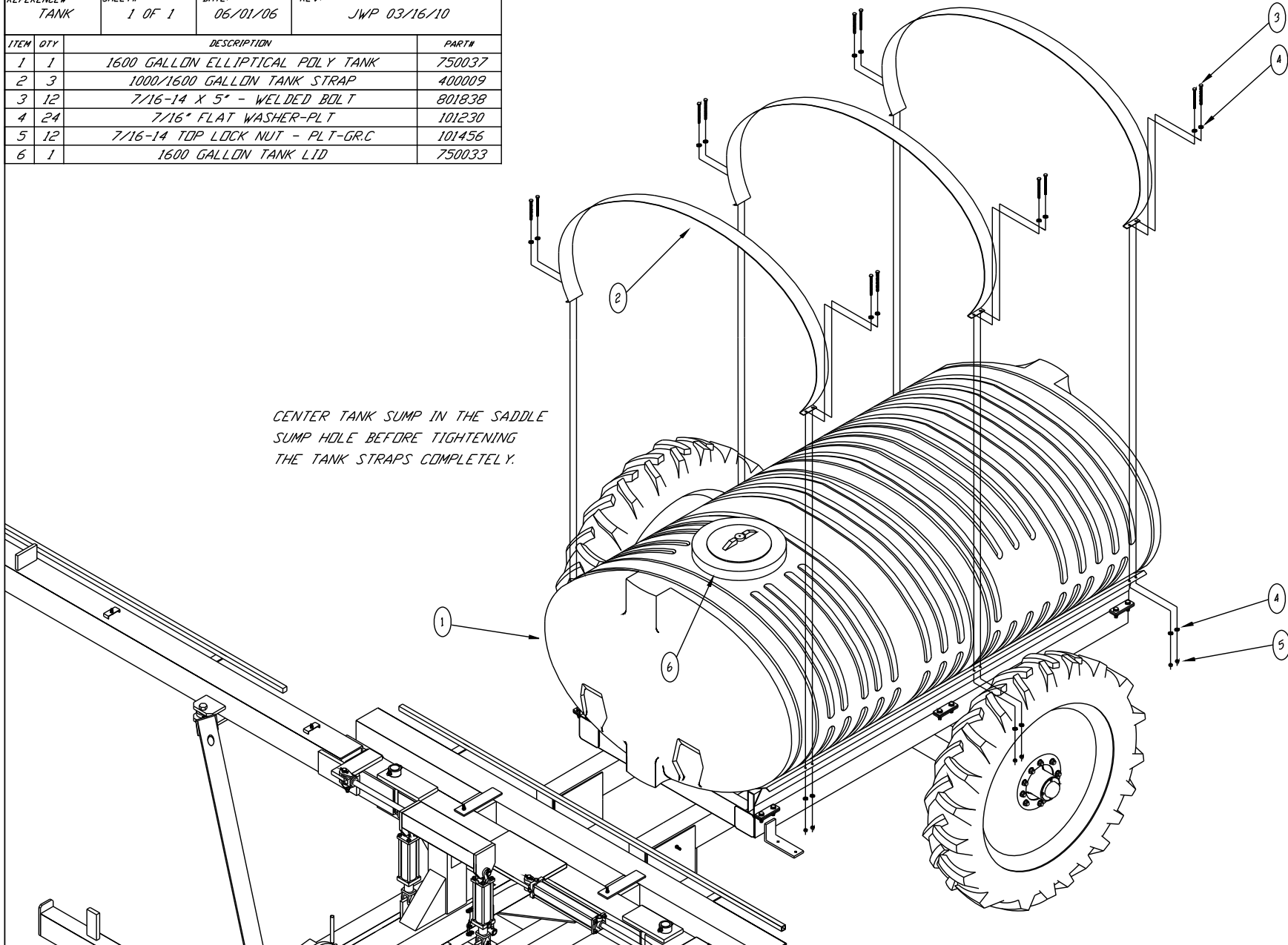
ATTACHING THE LIGHT BRACKETS AND LIGHTS

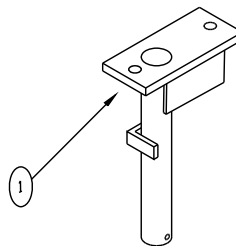
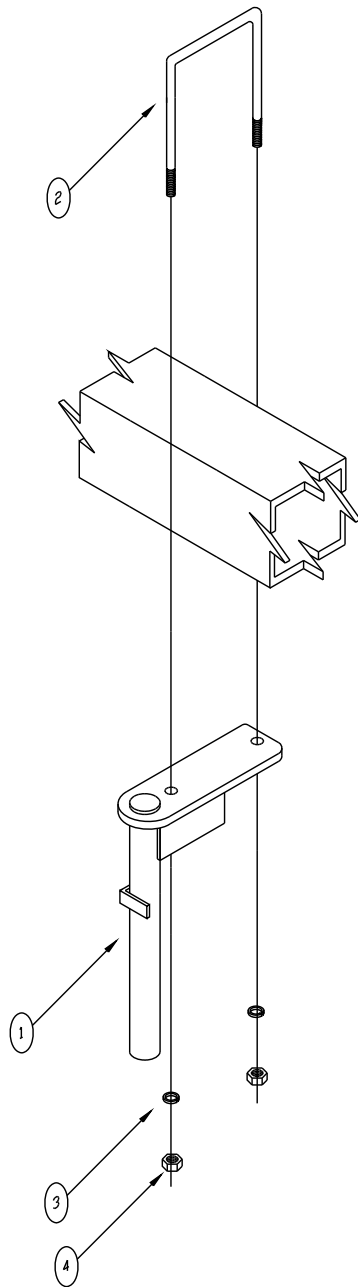
REFERENCE#	SHEET#	DATE:	REV:
LIGHTS	1 OF 1	06/05/06	JWP 04/21/10

ATTACHING THE 1600 GALLON TANK

REFERENCE#	SHEET#	DATE:	REV:
TANK	1 OF 1	06/01/06	JWP 03/16/10
ITEM	QTY	DESCRIPTION	PART#
1	1	1600 GALLON ELLIPTICAL POLY TANK	750037
2	3	1000/1600 GALLON TANK STRAP	400009
3	12	7/16-14 X 5" - WELDED BOLT	801838
4	24	7/16" FLAT WASHER-PLT	101230
5	12	7/16-14 TOP LOCK NUT - PLT-GR.C	101456
6	1	1600 GALLON TANK LID	750033

CENTER TANK SUMP IN THE SADDLE
SUMP HOLE BEFORE TIGHTENING
THE TANK STRAPS COMPLETELY.





NOTE: USE THE OFFSET
SWIVEL COULTER MOUNTING
BRACKET ON THE THIRD ROW
UNIT FROM THE END OF THE
OUTER WINGS.

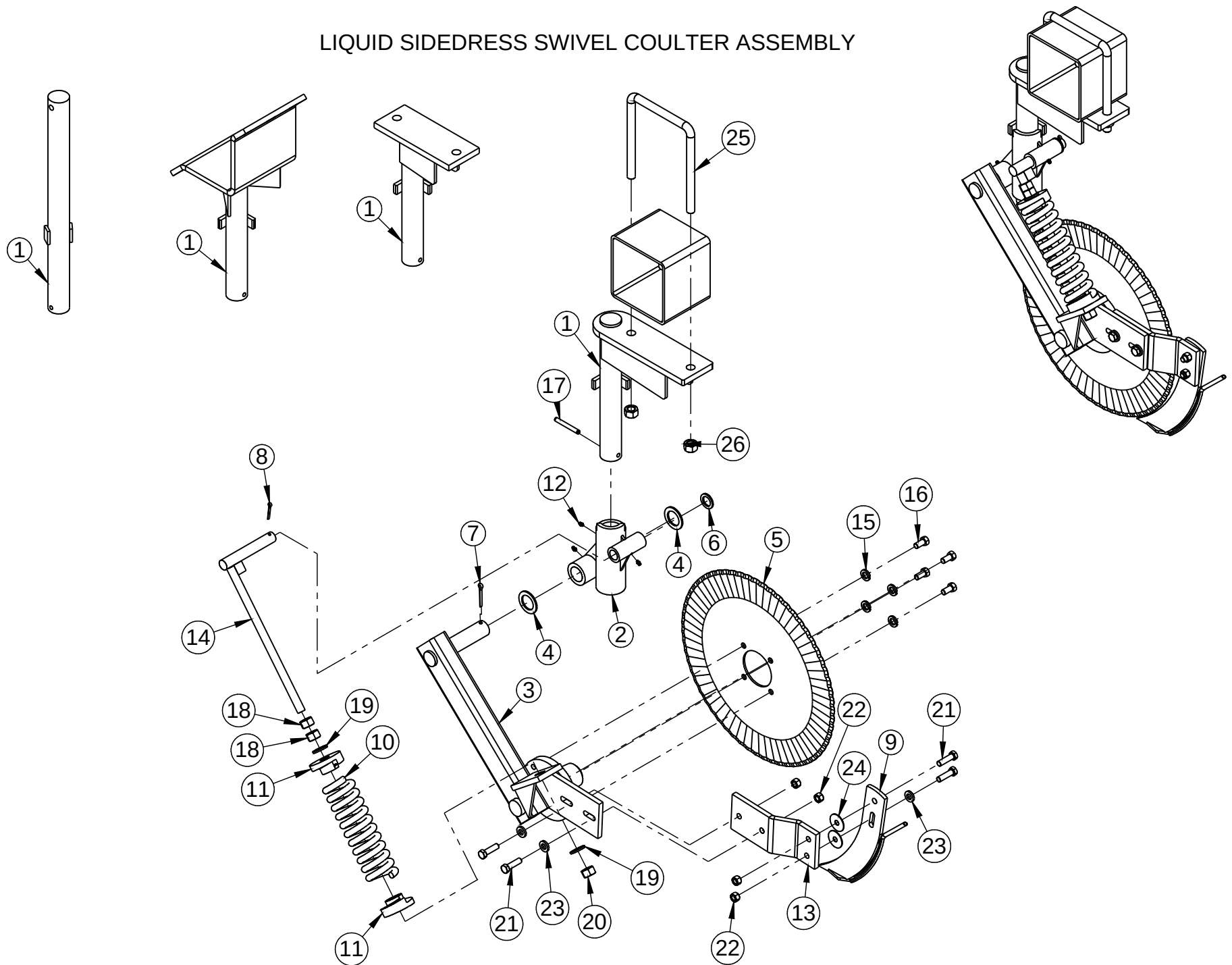
4	2	3/4-10 HEX NUT - PLT.	101215
3	2	3/4" LOCK WASHER - PLT.	101224
2	1	3/4-10 X 7 X 9" U-BOLT - BLK. POWDERCOAT	101316B
-	1	OFFSET MOUNTING BRACKET WELDMENT	802076
1	1	MOUNTING BRACKET WELDMENT	801698
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

ATTACHING THE SWIVEL COULTER
MOUNTING BRACKET WELDMENT
TO THE TOOL BAR

REFERENCE#	SHEET#	DATE:	DRAWN BY: REVISION DATE:
SCMNTBRKT	1 OF 1	06/27/06	JWP 03/24/10

LIQUID SIDEDRESS SWIVEL COULTER ASSEMBLY

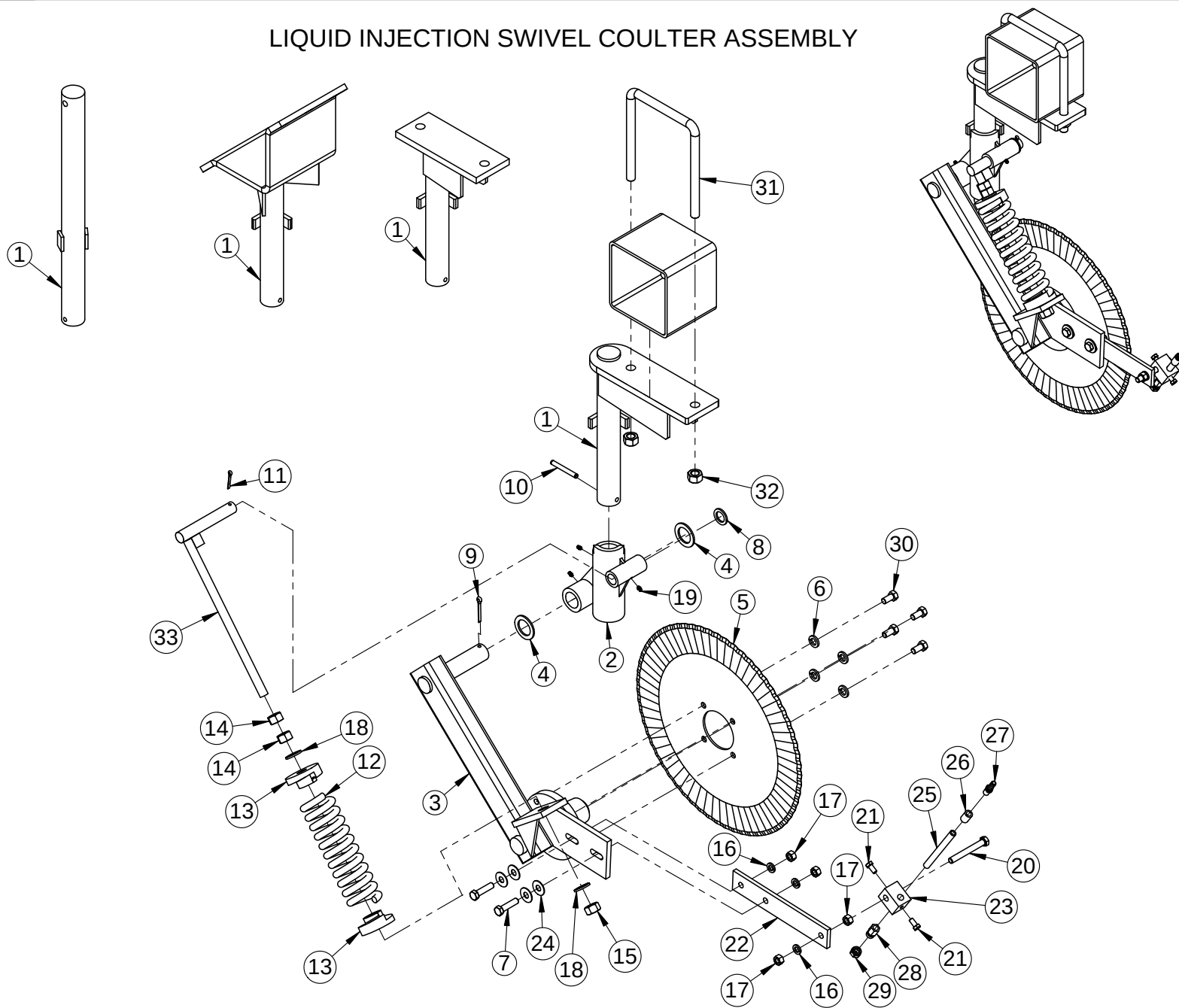


LIQUID SIDEDRESS SWIVEL COULTER ASSEMBLY

NOTES: IF NEEDED, USE SHIM(S) (24)
SO KNIFE IS TRUE WITH BLADE

ITEM NO.	PART NUMBER	Description1	QTY.
1	76801698	Swivel Coulter Mounting Bracket Weldment	1
-	76802076	SWIVEL COULTER OFFSET MOUNT	-
-	76801884	WHEEL CLAMP WELDMENT	-
-	76801701	CENTER SWIVEL COULTER PIN WELDMENT	-
2	76450063	LIQUID COULTER CAST SWIVEL	1
3	768017881	LIQUID COULTER ARM WELDMENT	1
4	76101462	10 GA. X 1-1/2" MACHINE WASHER (ZINC PLATED)	2
5	76400101	20" RIPPLE COULTER BLADE STRAIGHT	1
-	764000097	20" SMOOTH COULTER - BLACK (NOT SHOWN)	-
6	76101435	10 GA. X 1" MACHINE WASHER	1
7	76101265	1/4" X 2" Cotter Pin	1
8	76101246	3/16" X 1-1/2" COTTER PIN	1
9	76450078	LIQUID SIDEDRESS KNIFE	1
10	76400095	10 1/4" COULTER COMPRESSION SPRING - BLACK	1
11	76400096	SPRING CASTING FOR OUR#400095 - BLACK	2
12	76101252	1/4"-28 STRAIGHT GREASE ZERK	3
13	760000134	KNIFE BRACKET	1
14	76801789	TENSION ROD WELDMENT FOR CAST	1
15	600382054	LOCK WASHER 5/8"	4
16	76301150	LUG BOLT - 1/2"-20 X 1"	4
17	76101425	3/8" X 3" ROLL PIN	1
18	76101215	3/4"-10 HEX NUT-PLT	2
19	76101233	3/4" FLAT WASHER-PLT	2
20	600365019	STANDARD NUT 3/4"	1
21	7600356139	1/2"-20 X 1-3/4" HEX BOLT PLT. GR.5 UNF	4
22	7600366050	STOVER LOCK NUT 1/2" TYPE C PLATED UNF	4
23	7600381055	FLAT WASHER 1/2" (.172" THICK)	3
24	7600381015	FLAT WASHER 1/2" X 1-3/4" O.D. X .062" THICKNESS	2
25	76101316	3/4"-10 X 7" X 9" U-BOLT-PLT	1
26	600366024	STOVER LOCKNUT TYPE C - 3/4" - UNC	2

LIQUID INJECTION SWIVEL COULTER ASSEMBLY



LIQUID INJECTION SWIVEL COULTER ASSEMBLY

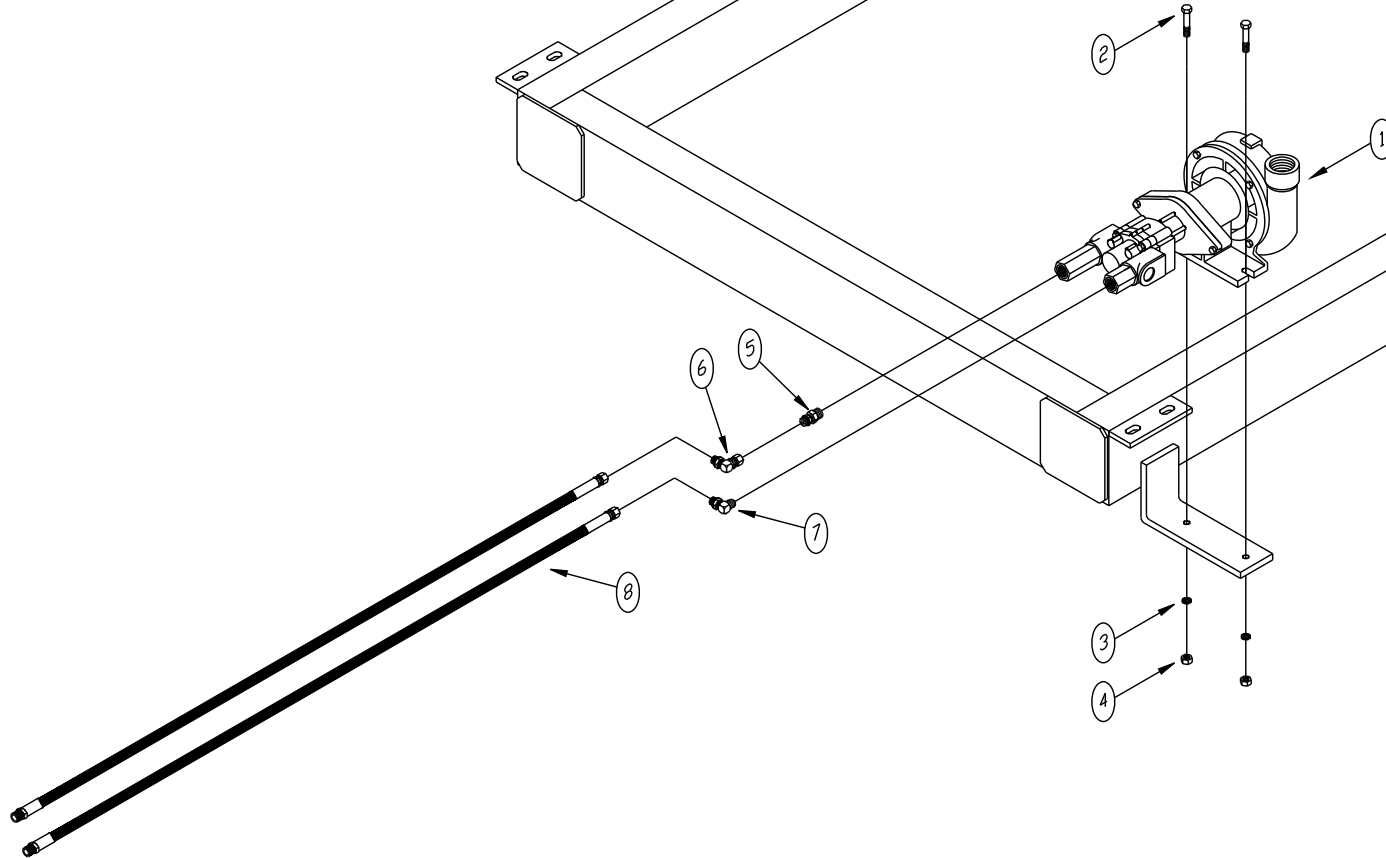
NOTES:

ITEM NO.	PART NUMBER	Description1	QTY.
1	76801698	Swivel Coulter Mounting Bracket Weldment	1
-	76802076	SWIVEL COULTER OFFSET MOUNT	-
-	76801884	WHEEL CLAMP WELDMENT	-
-	76801701	CENTER SWIVEL COULTER PIN WELDMENT	-
2	76450063	LIQUID COULTER CAST SWIVEL	1
3	768017881	LIQUID COULTER ARM WELDMENT	1
4	76101462	10 GA. X 1-1/2" MACHINE WASHER (ZINC PLATED)	2
5	76400101	20" RIPPLE COULTER BLADE STRAIGHT	1
-	764000097	20" SMOOTH COULTER - BLACK (NOT SHOWN)	-
6	600382054	LOCK WASHER 5/8"	4
7	76101149SS	1/2"-13 X 2" HEX BOLT SS	2
8	76101435	10 GA. X 1" MACHINE WASHER	1
9	76101265	1/4" X 2" Cotter Pin	1
10	76101425	3/8" X 3" ROLL PIN	1
11	76101246	3/16" X 1-1/2" COTTER PIN	1
12	76400095	10 1/4" COULTER COMPRESSION SPRING - BLACK	1
13	76400096	SPRING CASTING FOR OUR#400095 - BLACK	2
14	76101215	3/4"-10 HEX NUT-PLT	2
15	600365019	STANDARD NUT 3/4"	1
16	76101222SS	1/2" LOCK WASHER-STAINLESS STEEL	3
17	76101213SS	1/2"-13 HEX NUT-STAINLESS STEEL	4
18	76101233	3/4" FLAT WASHER-PLT	2
19	76101252	1/4"-28 STRAIGHT GREASE ZERK	3
20	76101153SS	1/2"-13 X 4" HEX BOLT SS	1
21	76101281SS	3/8"-16 X 3/4" HEX BOLT SS	2
22	760000136	COULTER INJECTION ARM	1
23	76400103	INJECTION TUBE MOUNTING BLOCK	1
24	76101231SS	1/2" FLAT WASHER-STAINLESS STEEL	4
25	76700279	1/4 NPT X 6 STAINLESS STEEL NIPPLE"	1
26	76700307	1/4" FNPT STAINLESS BUSHING	1
27	76700277	1/4 NPT X 3/8 HOSE BARB"	1
28	76700289	TEEJET T-BODY FITTING	1
29	76700288	TEEJET CAP S.S. - CP1325-SS	1
30	76301150	LUG BOLT - 1/2"-20 X 1"	4
31	76101316	3/4"-10 X 7" X 9" U-BOLT-PLT	1
32	600366024	STOVER LOCKNUT TYPE C - 3/4" - UNC	2
33	76801789	TENSION ROD WELDMENT FOR CAST	1

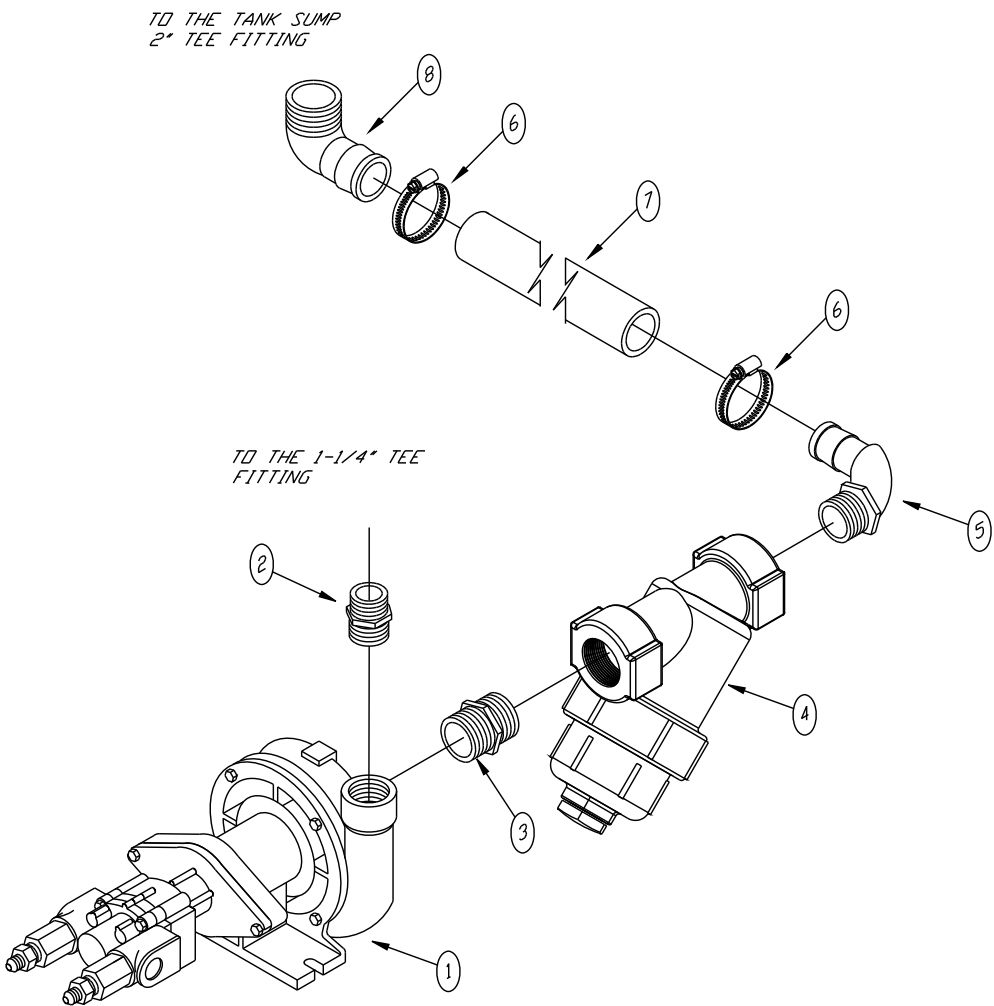
ASSEMBLY DESCRIPTION:

HYDRAULIC PUMP ASSEMBLY

REFERENCE#	SHEET#	DATE:	REV:
2500A015	1 OF 1	03/25/10	
ITEM	QTY	DESCRIPTION	PART#
1	1	HYDRAULIC PUMP	750039
2	2	3/8-16 X 2" HEX BOLT - PLT. GR5	101127
3	2	3/8" LOCK WASHER - PLT	101220
4	2	3/8-16 HEX NUT - PLT	101211
5	1	#8 MJIC X 1/2" MNPT STRAIGHT	201057
6	1	#8 MJIC X #8 FJIC SWIVEL 90	201059
7	1	#8 MJIC X 1/2" MNPT 90	201034
8	2	1/2" X 528" X #8 FJIC X #8 MNPT	202275



HYDRAULIC PUMP PLUMBING

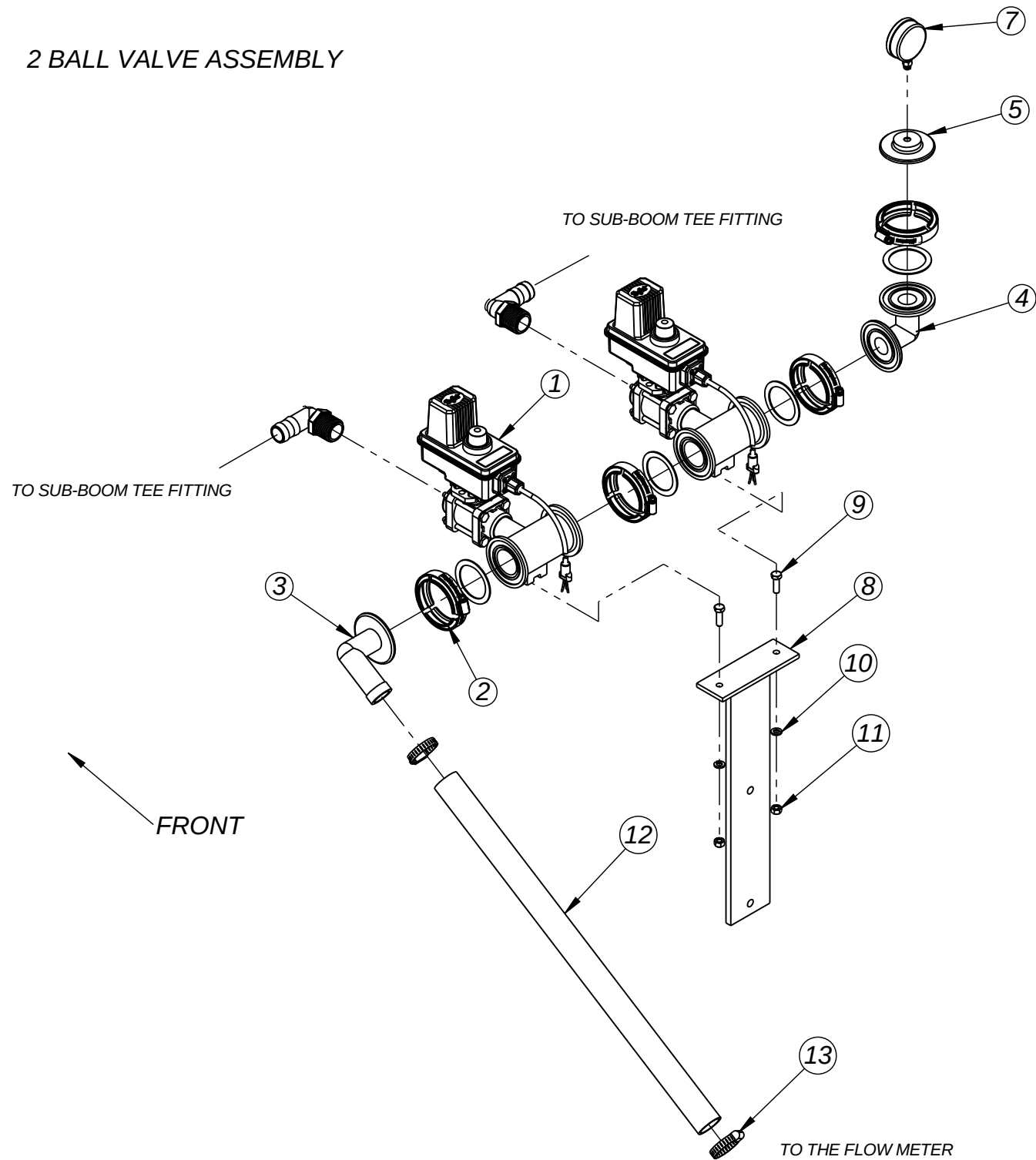


HYDRAULIC PUMP PLUMBING

NOTES:

<i>ITEM</i>	<i>QTY</i>	<i>PART#</i>	<i>DESCRIPTION</i>
<i>1</i>	<i>1</i>	<i>7670039</i>	<i>HYDRAULIC PUMP</i>
<i>2</i>	<i>1</i>	<i>76700036</i>	<i>1-1/4" NPT CLOSE NIPPLE</i>
<i>3</i>	<i>1</i>	<i>76700037</i>	<i>1-1/2" NPT CLOSE NIPPLE</i>
<i>4</i>	<i>1</i>	<i>76700214</i>	<i>1-1/2" NPT BANJO FILTER</i>
<i>5</i>	<i>1</i>	<i>76700026</i>	<i>1-1/2" NPT X 1-1/2" BARB 90</i>
<i>6</i>	<i>2</i>	<i>76700130</i>	<i>1-1/2" STAINLESS STEEL HOSE CLAMP</i>
<i>7</i>	<i>1</i>	<i>767000121</i>	<i>1-1/2 X 42" - EPDM HOSE</i>
<i>8</i>	<i>1</i>	<i>76700186</i>	<i>2" MNPT X 1/2" BARB 90</i>

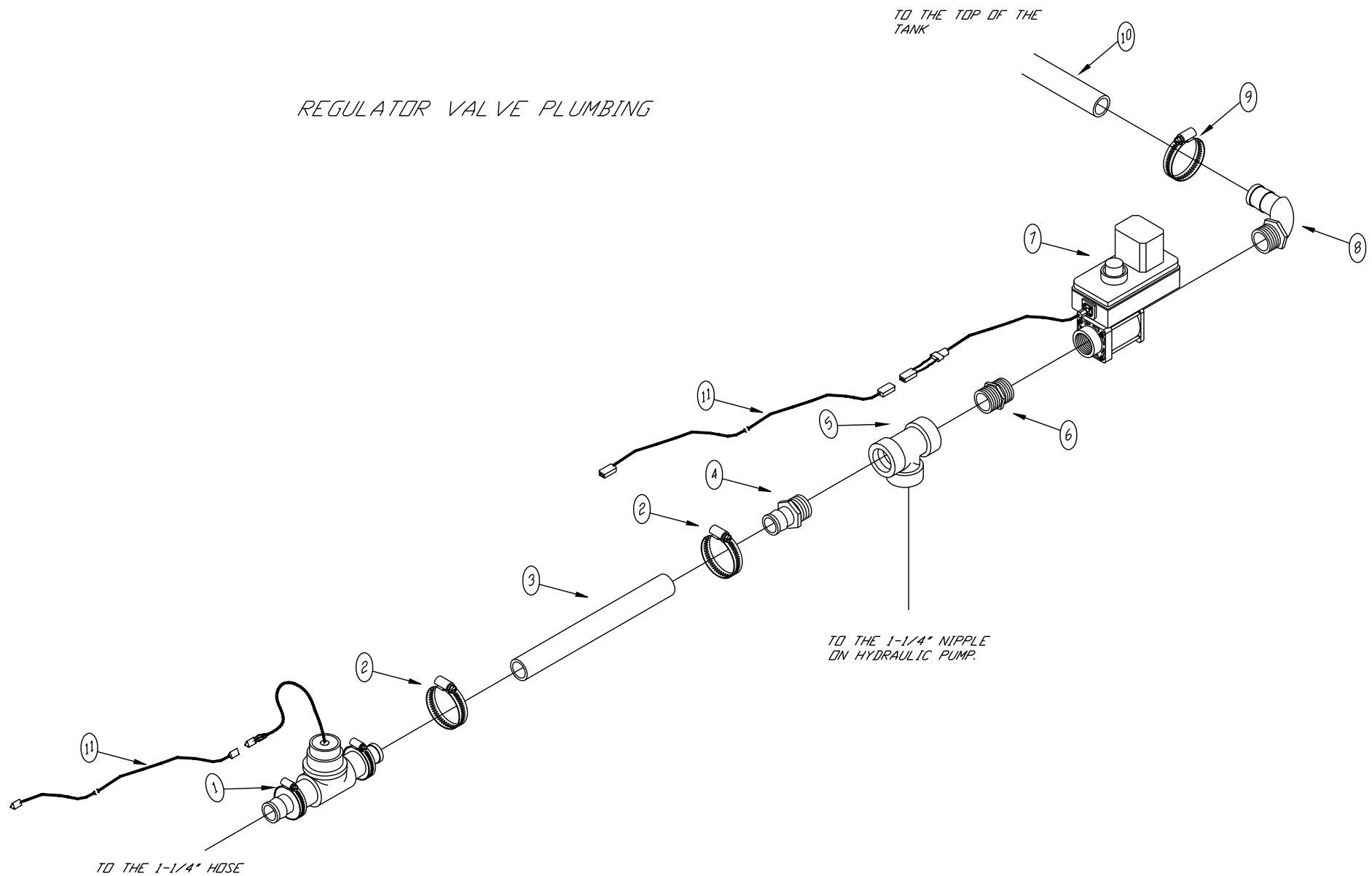
2 BALL VALVE ASSEMBLY



2 BALL VALVE ASSEMBLY**NOTES**

<i>ITEM NO.</i>	<i>PART NUMBER</i>	<i>Description1</i>	<i>QTY.</i>
<i>1</i>	<i>767800362</i>	<i>BALL VALVE (1) - 451</i>	<i>2</i>
<i>2</i>	<i>767002904</i>	<i>S.S. FLANGE CLAMP</i>	<i>4</i>
<i>3</i>	<i>767002901</i>	<i>1-1/4" BARB ELBOW FLANGE</i>	<i>1</i>
<i>4</i>	<i>767002902</i>	<i>1-1/4" FLANGE ELBOW</i>	<i>1</i>
<i>5</i>	<i>767002903</i>	<i>1-1/4" FLANGE ADAPTER</i>	<i>1</i>
<i>6</i>	<i>76700022</i>	<i>1" NPT X 1" BARB - 90</i>	<i>2</i>
<i>7</i>	<i>76700237</i>	<i>4" PRESSURE GAUGE (0-100 PSI)</i>	<i>1</i>
<i>8</i>	<i>760000117</i>	<i>VALVE MOUNT</i>	<i>1</i>
<i>9</i>	<i>76101114</i>	<i>5/16"-18 X 1"-PLT-GR5</i>	<i>2</i>
<i>10</i>	<i>76101219</i>	<i>5/16" LOCK WASHER-PLT</i>	<i>2</i>
<i>11</i>	<i>76101210</i>	<i>5/16"-18 HEX NUT-PLT</i>	<i>2</i>
<i>12</i>	<i>767001191</i>	<i>1-1/4" EPDM HOSE</i>	<i>7 ft</i>
<i>13</i>	<i>76700129</i>	<i>1-1/2" HOSE CLAMP</i>	<i>2</i>

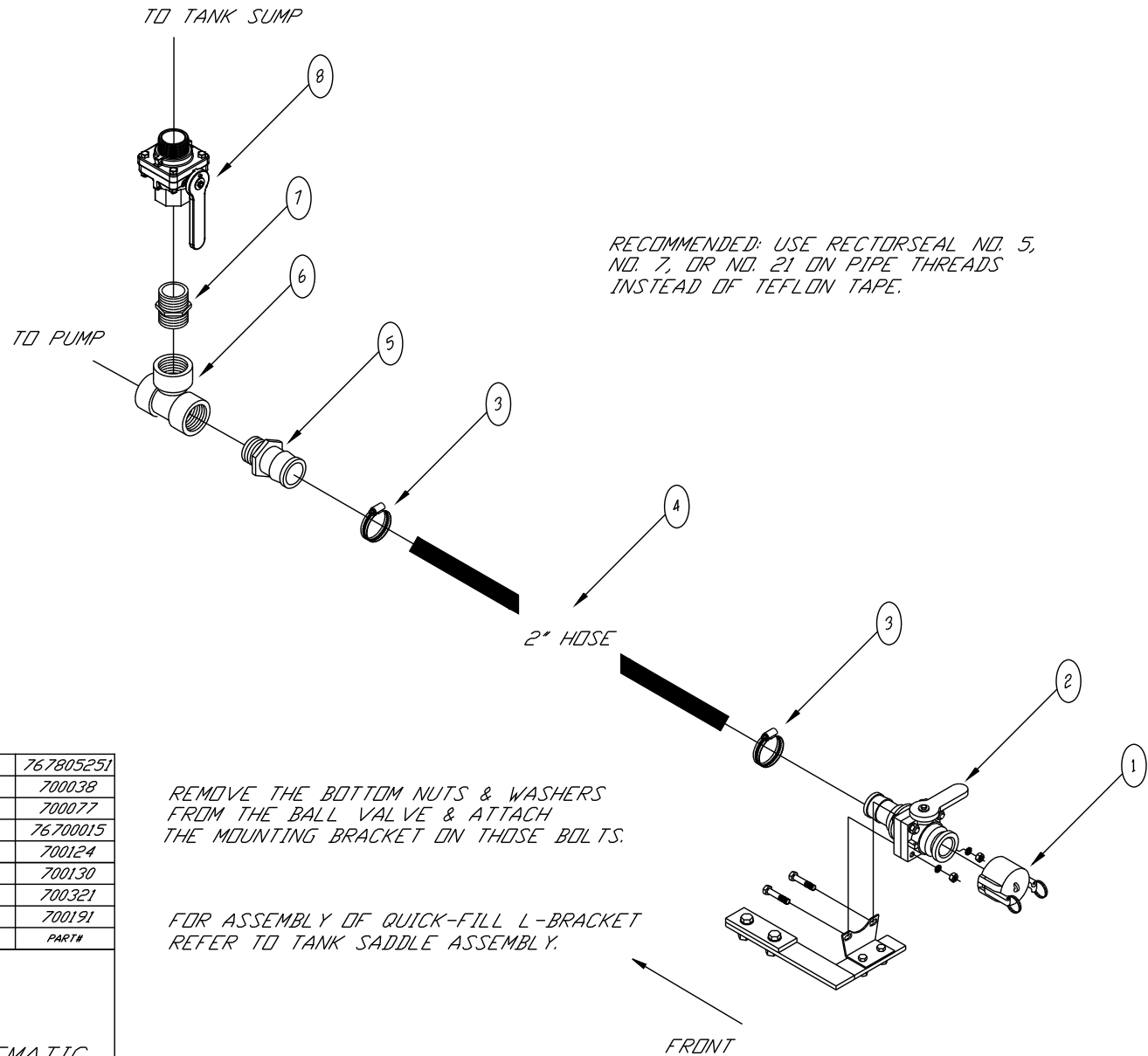
REGULATOR VALVE PLUMBING



REGULATOR VALVE PLUMBING

NOTES:

<i>ITEM</i>	<i>QTY</i>	<i>PART#</i>	<i>DESCRIPTION</i>
<i>1</i>	<i>1</i>	<i>767800371</i>	<i>1-1/4" FLOW METER</i>
<i>2</i>	<i>2</i>	<i>767800128</i>	<i>1-1/4" STAINLESS STEEL HOSE CLAMP</i>
<i>3</i>	<i>1</i>	<i>767001191</i>	<i>1-1/4" EPDM HOSE (30")</i>
<i>4</i>	<i>1</i>	<i>76700011</i>	<i>1-1/4" NPT X 1-1/4" BARB - STRAIGHT</i>
<i>5</i>	<i>1</i>	<i>76700075</i>	<i>1-1/4" NPT FEMALE TEE</i>
<i>6</i>	<i>1</i>	<i>76700115</i>	<i>1-1/4" X 1" REDUCING NIPPLE</i>
<i>7</i>	<i>1</i>	<i>76780038</i>	<i>REGULATOR VALVE</i>
<i>8</i>	<i>1</i>	<i>76700021</i>	<i>1" NPT X 3/4" - 90</i>
<i>9</i>	<i>1</i>	<i>76700127</i>	<i>3/4 - 1" STAINLESS STEEL HOSE CLAMP</i>
<i>10</i>	<i>1</i>	<i>76700118</i>	<i>3/4 X 76" - EDPM HOSE</i>
<i>11</i>	<i>2</i>	<i>76780035</i>	<i>EXTENSION CABLE 15'</i>

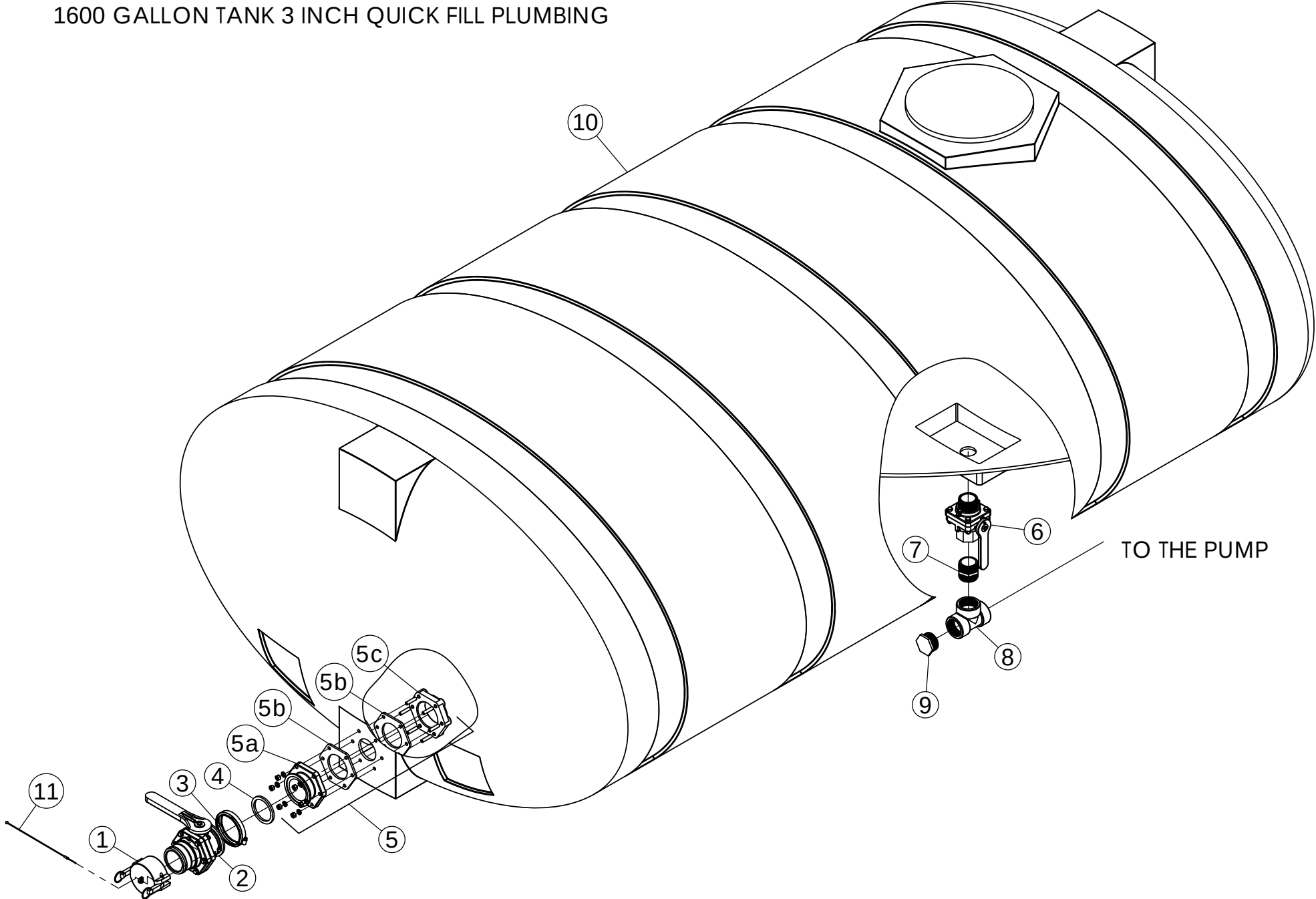


8	1	2" MNPT X 2" FNPT BALL VALVE	767805251
7	1	2" NPT CLOSE NIPPLE	700038
6	1	2" NPT TEE	700077
5	1	2" NPT X 2" HOSE BARB STRAIGHT	76700015
4	1	2" X 108" - EDPM HOSE	700124
3	2	2" STAINLESS HOSE CLAMP	700130
2	1	2" M-M BALL VALVE X 2" M-C FLANGE	700321
1	1	2" CAP FOR MALE ADAPTER	700191
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

2" QUICK FILL PLUMBING SCHEMATIC

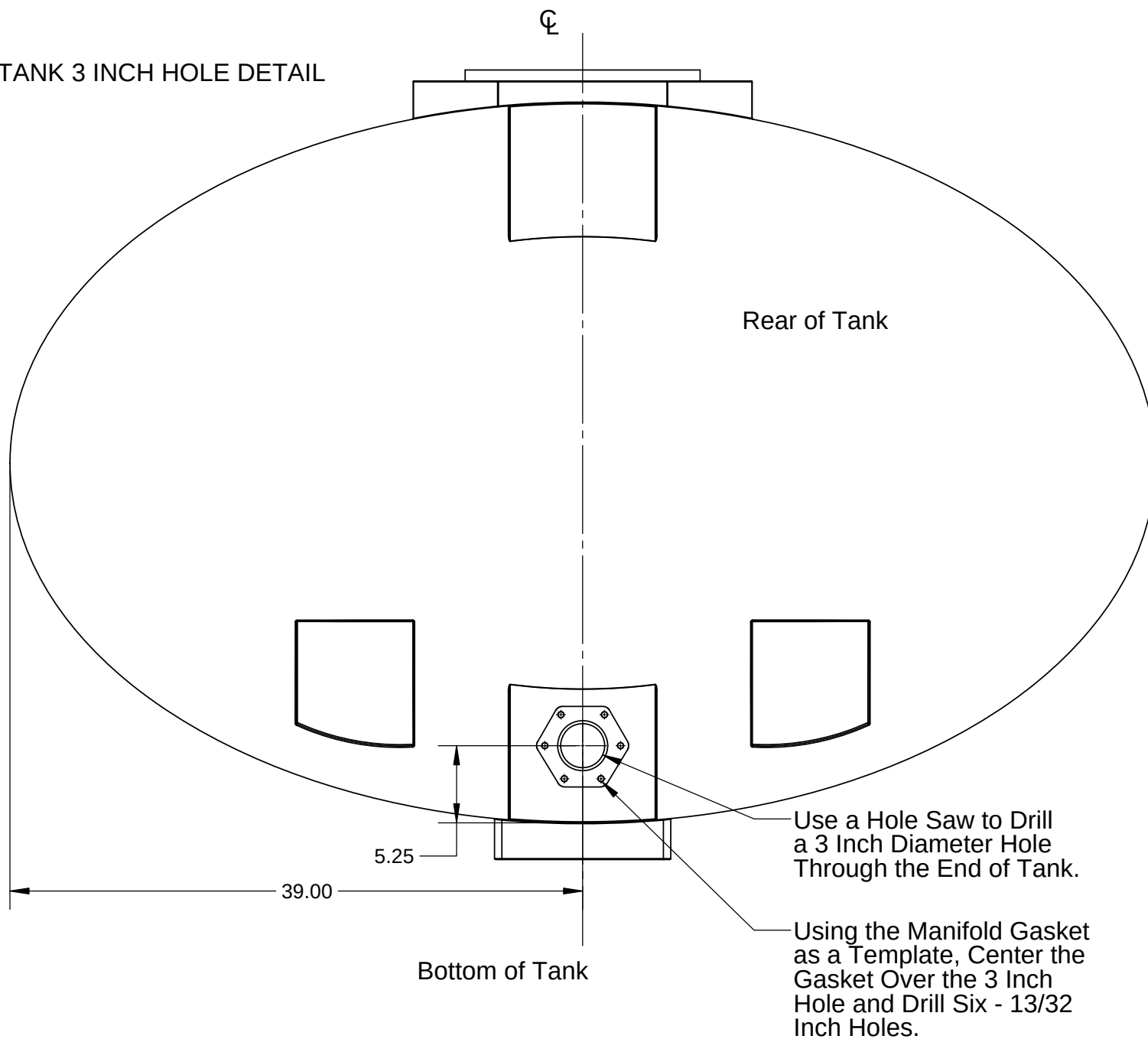
1600 GALLON TANK 3 INCH QUICK FILL PLUMBING

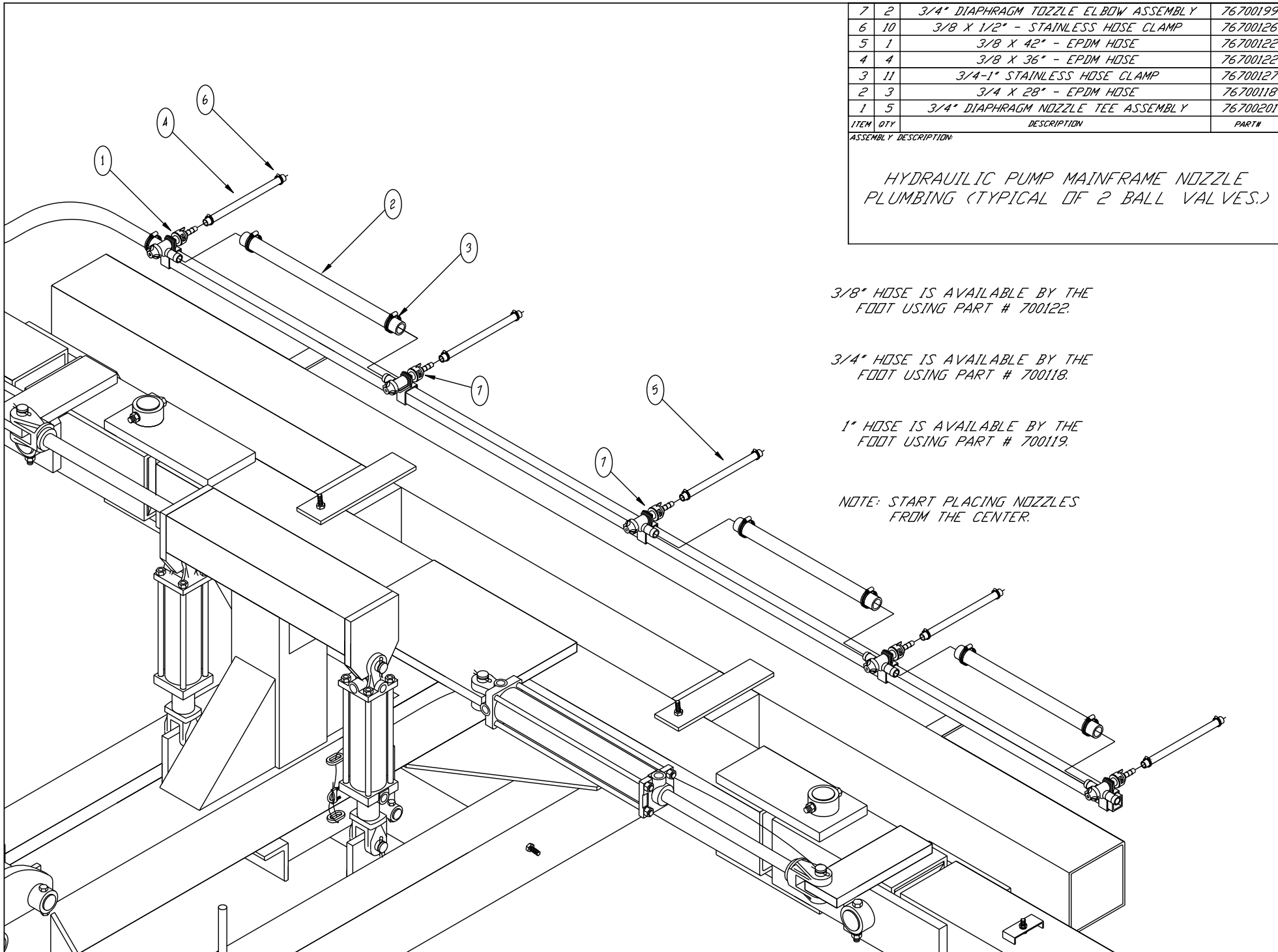


1600 GALLON TANK 3 INCH QUICK FILL PLUMBING

ITEM NO.	PART NUMBER	Description1	Default/QTY.
1	76700320	3" CAP	1
2	76700316	3" STUBBY VALVE, 3" MANIFOLD FLANGE X 3" MALE ADAPTER	1
3	76700318	3" WORM SCREW CLAMP	1
4	76700317	3" GASKET	1
5	76700319	3" MANIFOLD TANK FLANGE X FEMALE THREAD	1
5a	-	MANIFOLD ENDPLATE	1
5b	-	MANIFOLD GASKET	2
5c	-	MANIFOLD BLIND HOLE ENDPLATE	1
6	767805251	2" MNPT X 2" FNPT X BALL VALVE	1
7	76700038	2" MNPT CLOSE NIPPLE	1
8	76700077	2" FNPT TEE	1
9	76700085	2" MNPT PLUG	1
10	76750037	1600 Gallon Poly Tank	1
11	76450064	Lanyard For Male Adapter Cap	1

1600 GALLON TANK 3 INCH HOLE DETAIL





7	2	3/4" DIAPHRAGM NOZZLE ELBOW ASSEMBLY	76700199
6	10	3/8 X 1/2" - STAINLESS HOSE CLAMP	76700126
5	1	3/8 X 42" - EPDM HOSE	76700122
4	4	3/8 X 36" - EPDM HOSE	76700122
3	11	3/4-1" STAINLESS HOSE CLAMP	76700127
2	3	3/4 X 28" - EPDM HOSE	76700118
1	5	3/4" DIAPHRAGM NOZZLE TEE ASSEMBLY	76700201
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

HYDRAULIC PUMP MAINFRAME NOZZLE
PLUMBING (TYPICAL OF 2 BALL VALVES.)

3/8" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700122.

3/4" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700118.

1" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700119.

NOTE: START PLACING NOZZLES
FROM THE CENTER.

3/8" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700122.

3/4" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700118.

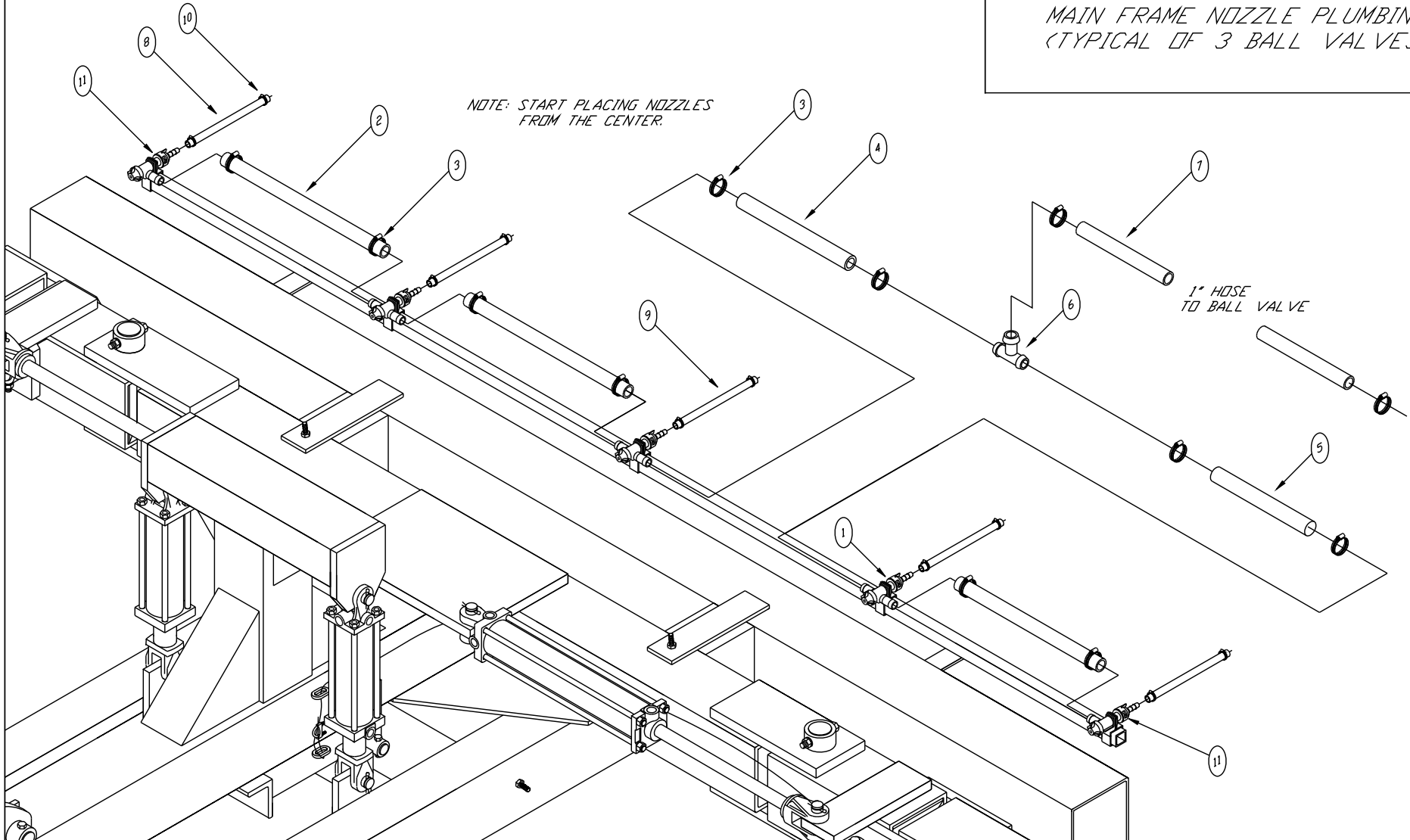
1" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700119.

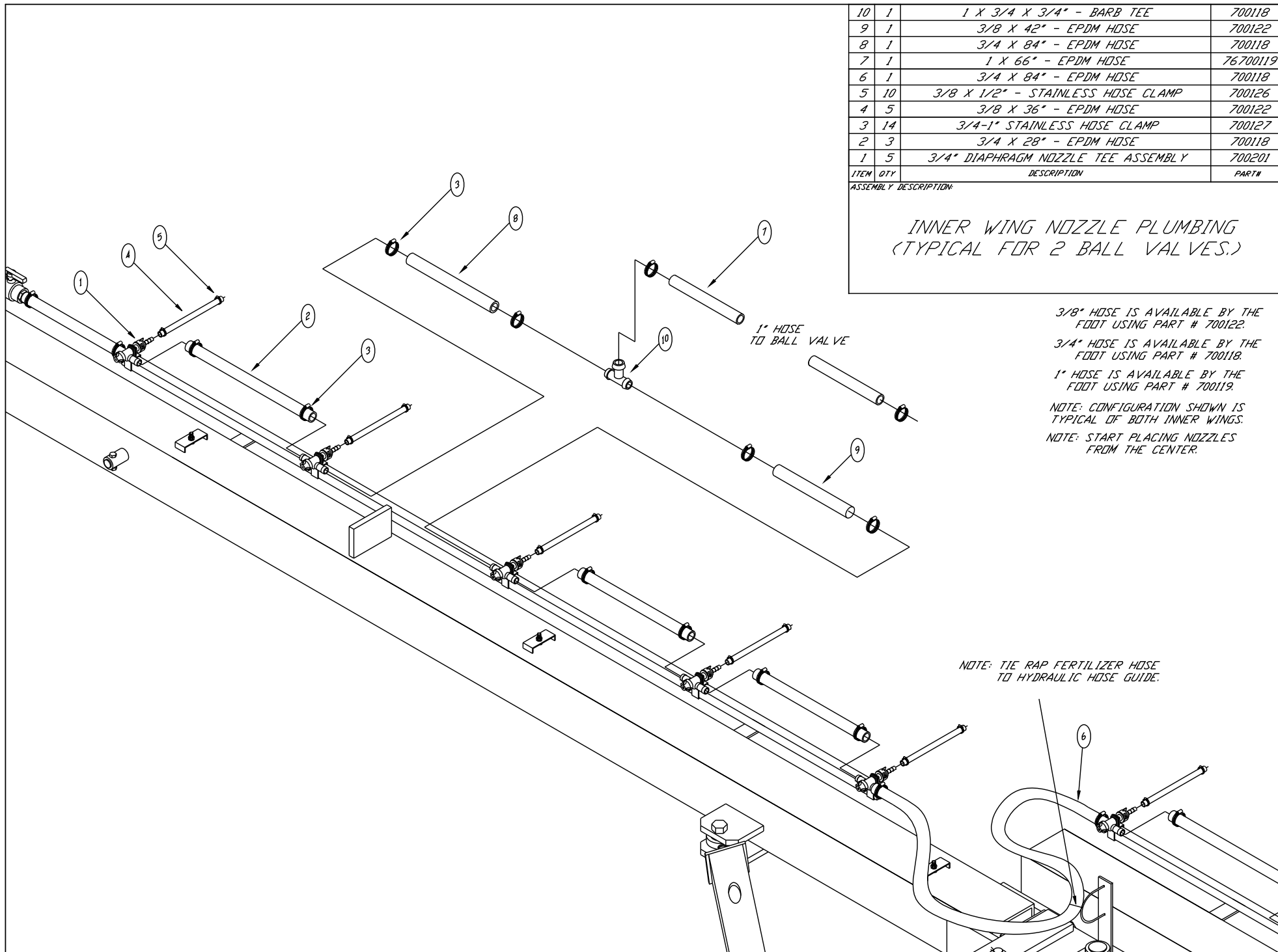
NOTE: START PLACING NOZZLES
FROM THE CENTER.

11	2	3/4" DIAPHRAGM NOZZLE ELBOW ASSEMBLY	76700199
10	10	3/8 X 1/2" - STAINLESS HOSE CLAMP	700126
9	1	3/8 X 42" - EPDM HOSE	700122
8	4	3/8 X 36" - EPDM HOSE	700122
7	1	1 X 66" - EPDM HOSE	700119
6	1	1 X 3/4 X 3/4" - BARB TEE	700197
5	1	3/4 X 9-1/2" - EPDM HOSE	700118
4	1	3/4 X 13-1/2" - EPDM HOSE	700118
3	11	3/4-1" STAINLESS HOSE CLAMP	700127
2	3	3/4 X 28" - EPDM HOSE	700118
1	5	3/4" DIAPHRAGM NOZZLE TEE ASSEMBLY	700201
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

MAIN FRAME NOZZLE PLUMBING
(TYPICAL OF 3 BALL VALVES)





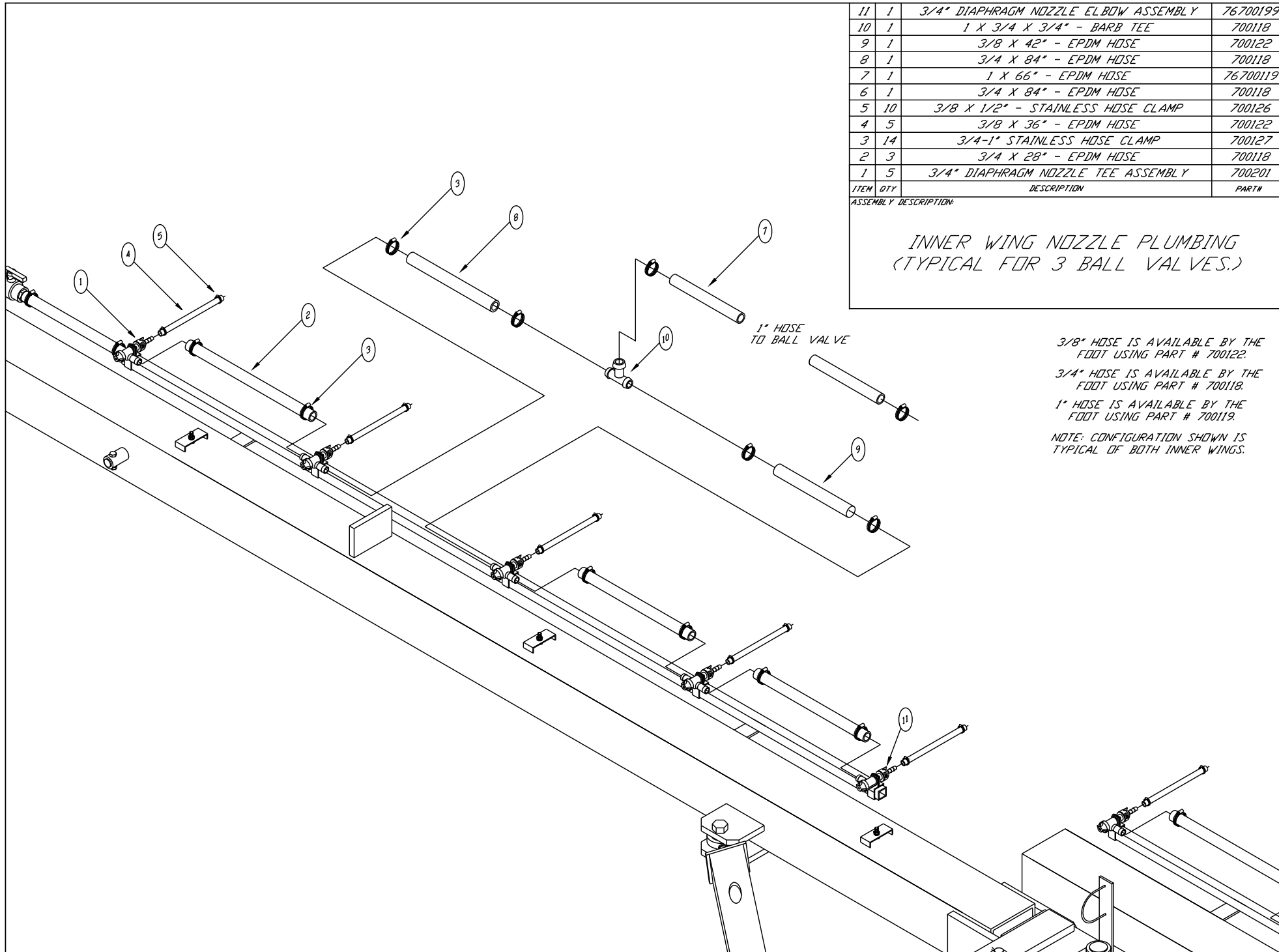
10	1	1 X 3/4 X 3/4" - BARB TEE	700118
9	1	3/8 X 42" - EPDM HOSE	700122
8	1	3/4 X 84" - EPDM HOSE	700118
7	1	1 X 66" - EPDM HOSE	76700119
6	1	3/4 X 84" - EPDM HOSE	700118
5	10	3/8 X 1/2" - STAINLESS HOSE CLAMP	700126
4	5	3/8 X 36" - EPDM HOSE	700122
3	14	3/4-1" STAINLESS HOSE CLAMP	700127
2	3	3/4 X 28" - EPDM HOSE	700118
1	5	3/4" DIAPHRAGM NOZZLE TEE ASSEMBLY	700201
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

INNER WING NOZZLE PLUMBING
(TYPICAL FOR 2 BALL VALVES.)

3/8" HOSE IS AVAILABLE BY THE FOOT USING PART # 700122.
 3/4" HOSE IS AVAILABLE BY THE FOOT USING PART # 700118.
 1" HOSE IS AVAILABLE BY THE FOOT USING PART # 700119.
 NOTE: CONFIGURATION SHOWN IS TYPICAL OF BOTH INNER WINGS.
 NOTE: START PLACING NOZZLES FROM THE CENTER.

NOTE: TIE RAP FERTILIZER HOSE TO HYDRAULIC HOSE GUIDE.



11	1	3/4" DIAPHRAGM NOZZLE ELBOW ASSEMBLY	76700199
10	1	1 X 3/4 X 3/4" - BARB TEE	700118
9	1	3/8 X 42" - EPDM HOSE	700122
8	1	3/4 X 84" - EPDM HOSE	700118
7	1	1 X 66" - EPDM HOSE	76700119
6	1	3/4 X 84" - EPDM HOSE	700118
5	10	3/8 X 1/2" - STAINLESS HOSE CLAMP	700126
4	5	3/8 X 36" - EPDM HOSE	700122
3	14	3/4-1" STAINLESS HOSE CLAMP	700127
2	3	3/4 X 28" - EPDM HOSE	700118
1	5	3/4" DIAPHRAGM NOZZLE TEE ASSEMBLY	700201
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

INNER WING NOZZLE PLUMBING
(TYPICAL FOR 3 BALL VALVES.)

3/8" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700122.

3/4" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700118.

1" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700119.

NOTE: CONFIGURATION SHOWN IS
TYPICAL OF BOTH INNER WINGS.

ASSEMBLY DESCRIPTION

OUTERWING NOZZLE PLUMBING

3/8" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700122.

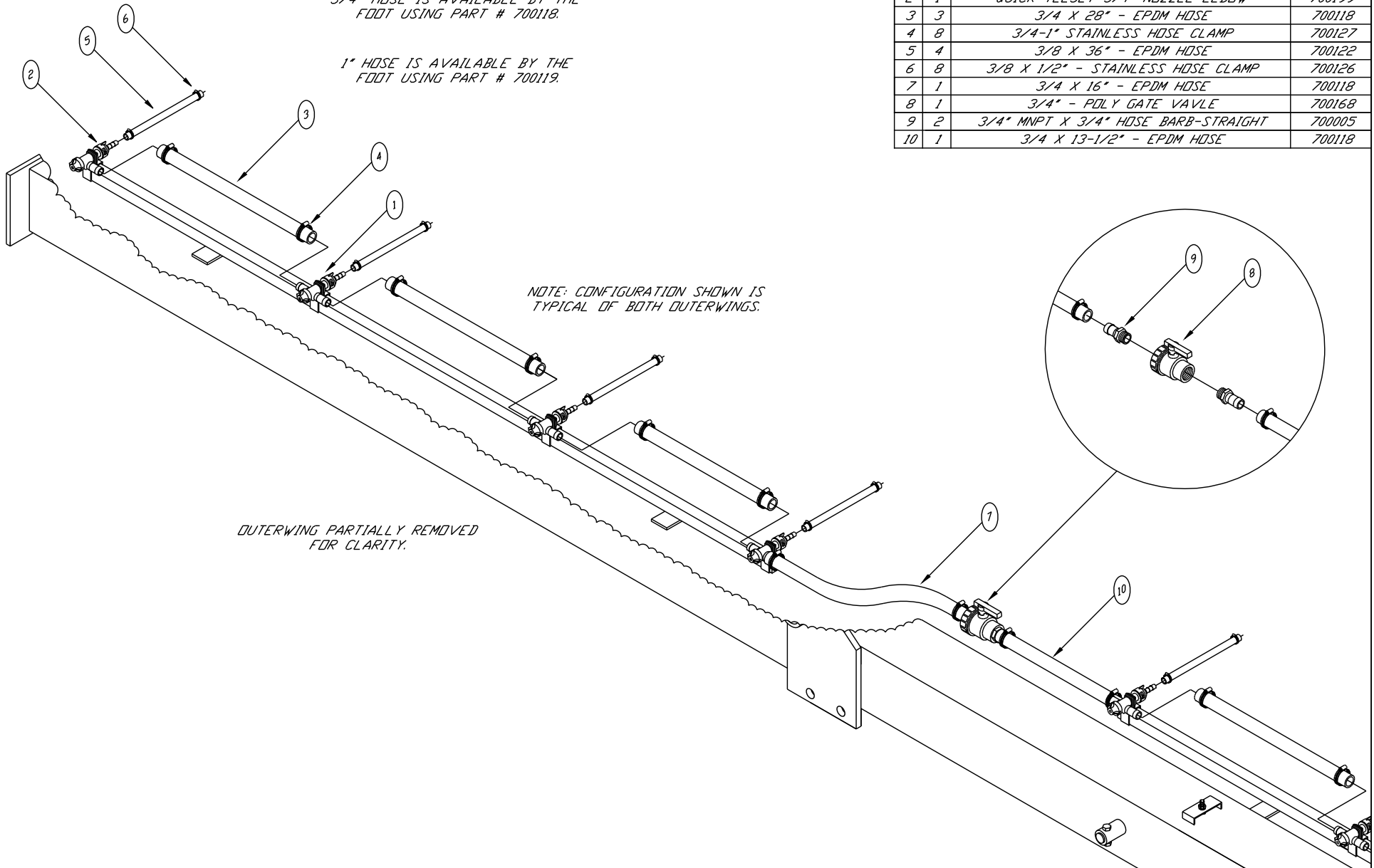
3/4" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700118.

1" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700119.

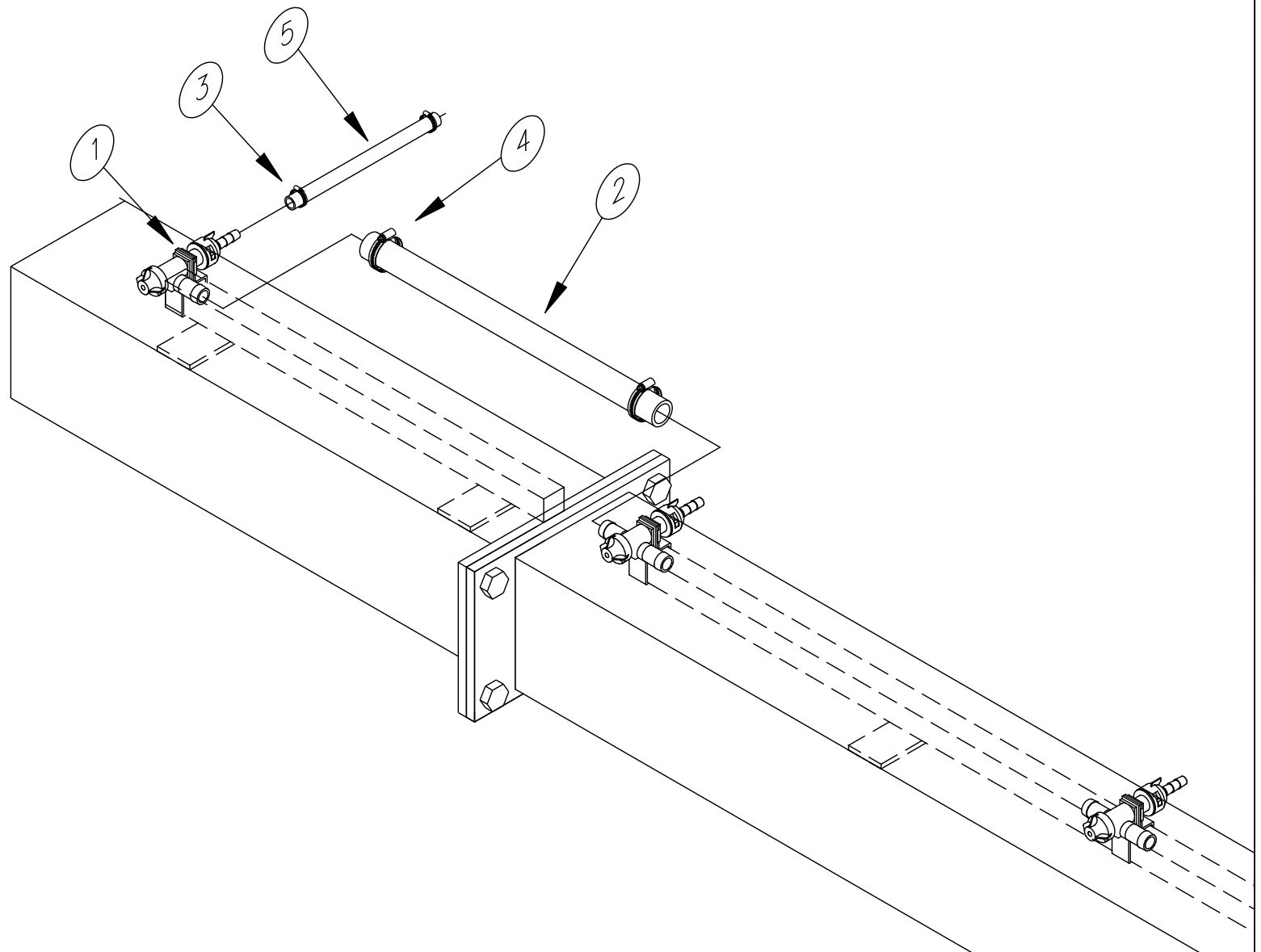
NOTE: CONFIGURATION SHOWN IS
TYPICAL OF BOTH OUTERWINGS.

OUTERWING PARTIALLY REMOVED
FOR CLARITY.

ITEM	QTY	DESCRIPTION	PART#
1	4	3/4" DIAPHRAGM NOZZLE TEE ASSEMBLY	700201
2	1	QUICK TEEJET 3/4" NOZZLE ELBOW	700199
3	3	3/4 X 28" - EPDM HOSE	700118
4	8	3/4-1" STAINLESS HOSE CLAMP	700127
5	4	3/8 X 36" - EPDM HOSE	700122
6	8	3/8 X 1/2" - STAINLESS HOSE CLAMP	700126
7	1	3/4 X 16" - EPDM HOSE	700118
8	1	3/4" - POLY GATE VALVE	700168
9	2	3/4" MNPT X 3/4" HOSE BARB-STRAIGHT	700005
10	1	3/4 X 13-1/2" - EPDM HOSE	700118



*OUTER STUB WING PLUBLING
(25 ROW MODEL ONLY)*



*OUTER STUB WING PLUBLING
(25 ROW MODEL ONLY)*

<i>ITEM</i>	<i>QTY</i>	<i>PART#</i>	<i>DESCRIPTION</i>
1	1	76700199	3/4" DIAPHRAGM NOZZLE ELBOW ASSEM.
2	1	76700118	3/4 X 29" – EPDM HOSE
3	1	76700122	3/8 X 36" EPDM HOSE
4	2	76700127	3/4" STAINLESS HOSE CLAMP
5	2	76700126	3/8" STAINLESS HOSE CLAMP

NOTES:

*3/8" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700122.*

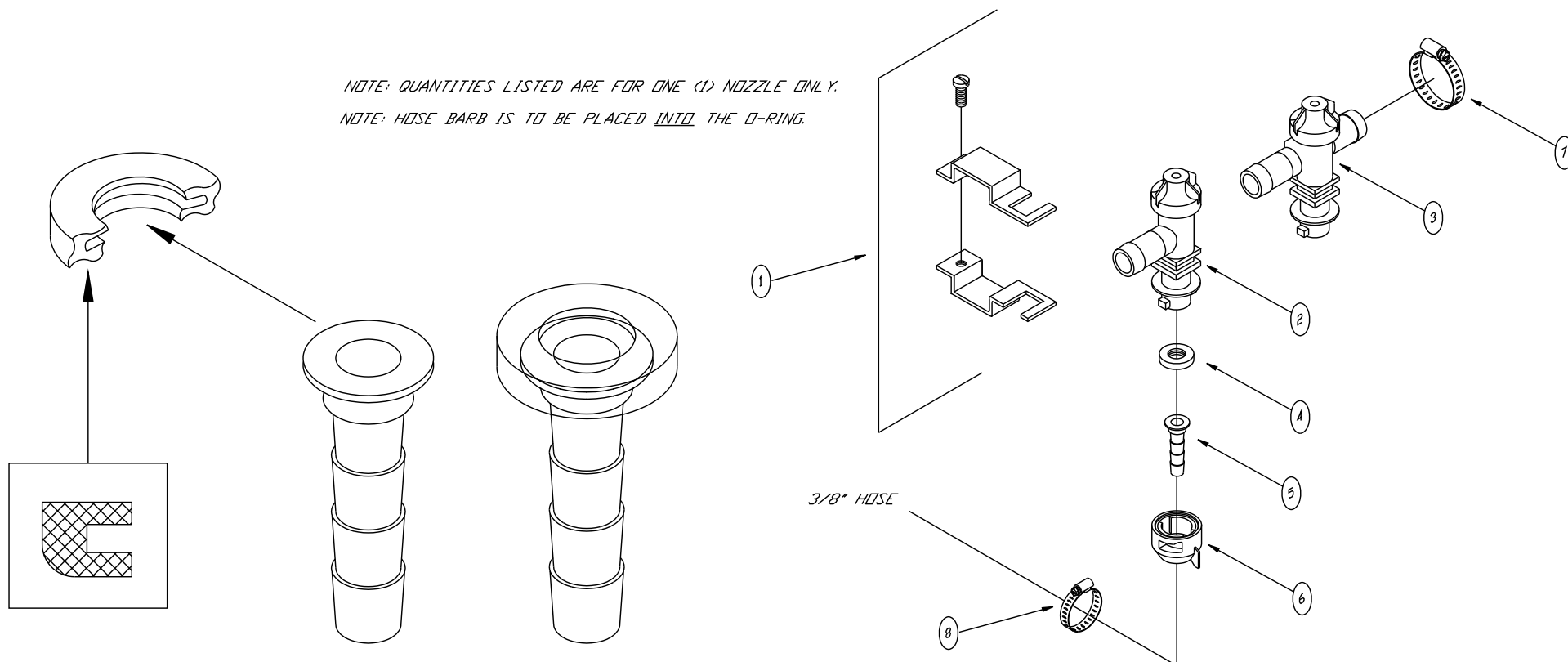
*3/4" HOSE IS AVAILABLE BY THE
FOOT USING PART # 700118.*

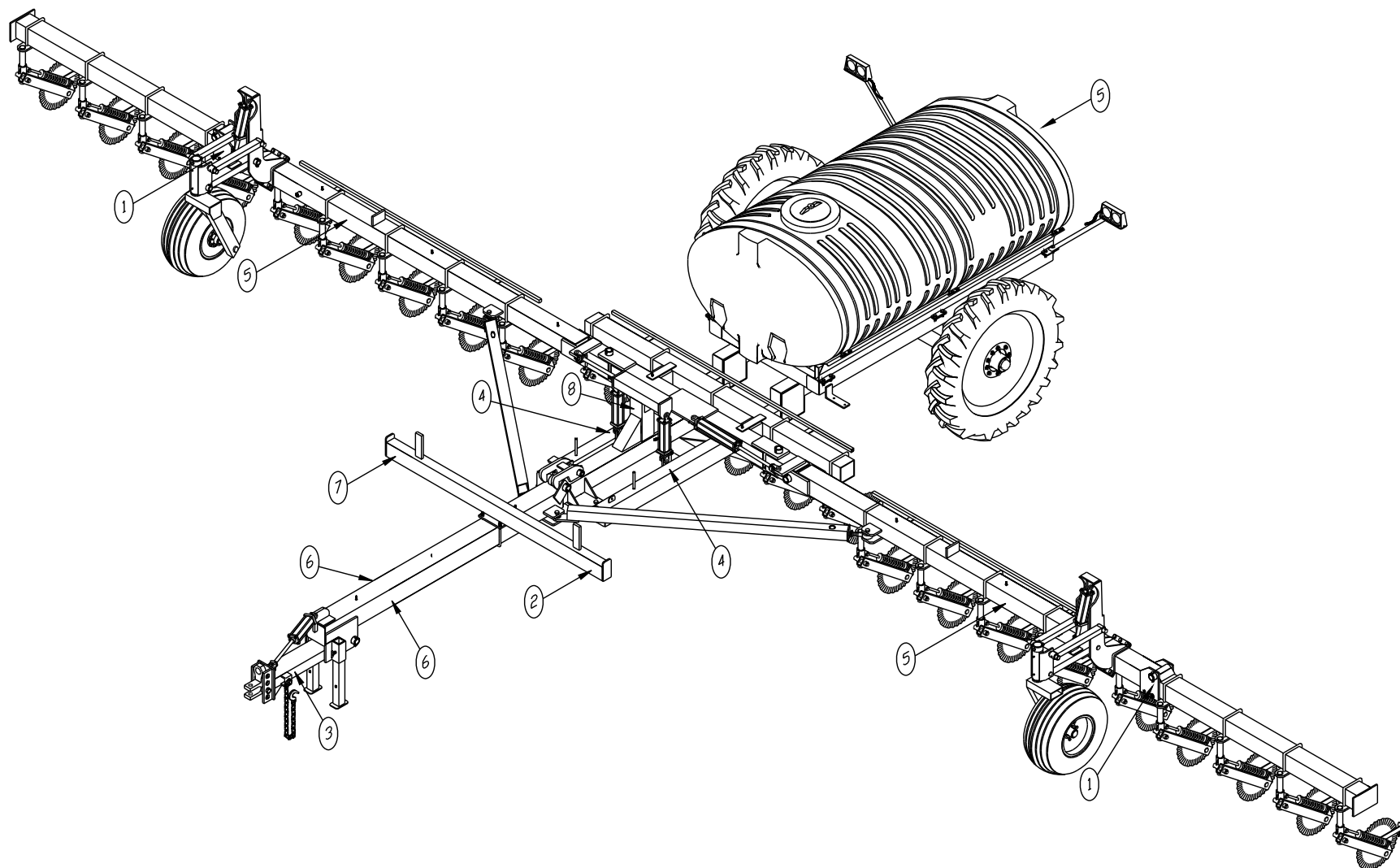
*NOTE: CONFIGURATION SHOWN IS
TYPICAL OF BOTH OUTERWINGS.*

8	1	3/8-1/2" - STAINLESS HOSE CLAMP	700126
7	1	3/4" - STAINLESS HOSE CLAMP	700127
6	1	NOZZLE CAP - BLUE	700303
5	1	1/4" - HOSE BARB FOR NOZZLE CAP	700302
4	1	SPLIT HOSE BARB O-RING	700305
3	1	3/4" - DIAPHRAM NOZZLE TEE	700201
2	1	3/4" - DIAPHRAM NOZZLE ELBOW	700199
1	1	1-1/4" - SQUARE NOZZLE CLAMP	700203
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:			
NOZZLE ASSEMBLY (EXPLODED)			
REFERENCE#	SHEET#	DATE:	REV:
NOZZLASMLY	1 OF 1	07/23/06	

NOTE: QUANTITIES LISTED ARE FOR ONE (1) NOZZLE ONLY.
 NOTE: HOSE BARB IS TO BE PLACED INTO THE O-RING.





ASSEMBLY DESCRIPTION:

DECAL PLACEMENT

REFERENCE#	SHEET#	DATE:	REV:
2500A008	1 OF 2	03/22/10	07/05/12 AU

900801



900802



900803



900804



900800



900823



900806



900812



SERIAL NUMBER PLATE IS ON LIFT TOWER.

THE DECALS ON THIS IMPLEMENT ARE PROVIDED FOR YOUR SAFETY. IF THEY BECOME DAMAGED OR LOST, IT IS THE RESPONSIBILITY OF THE OPERATOR TO REPLACE THEM.

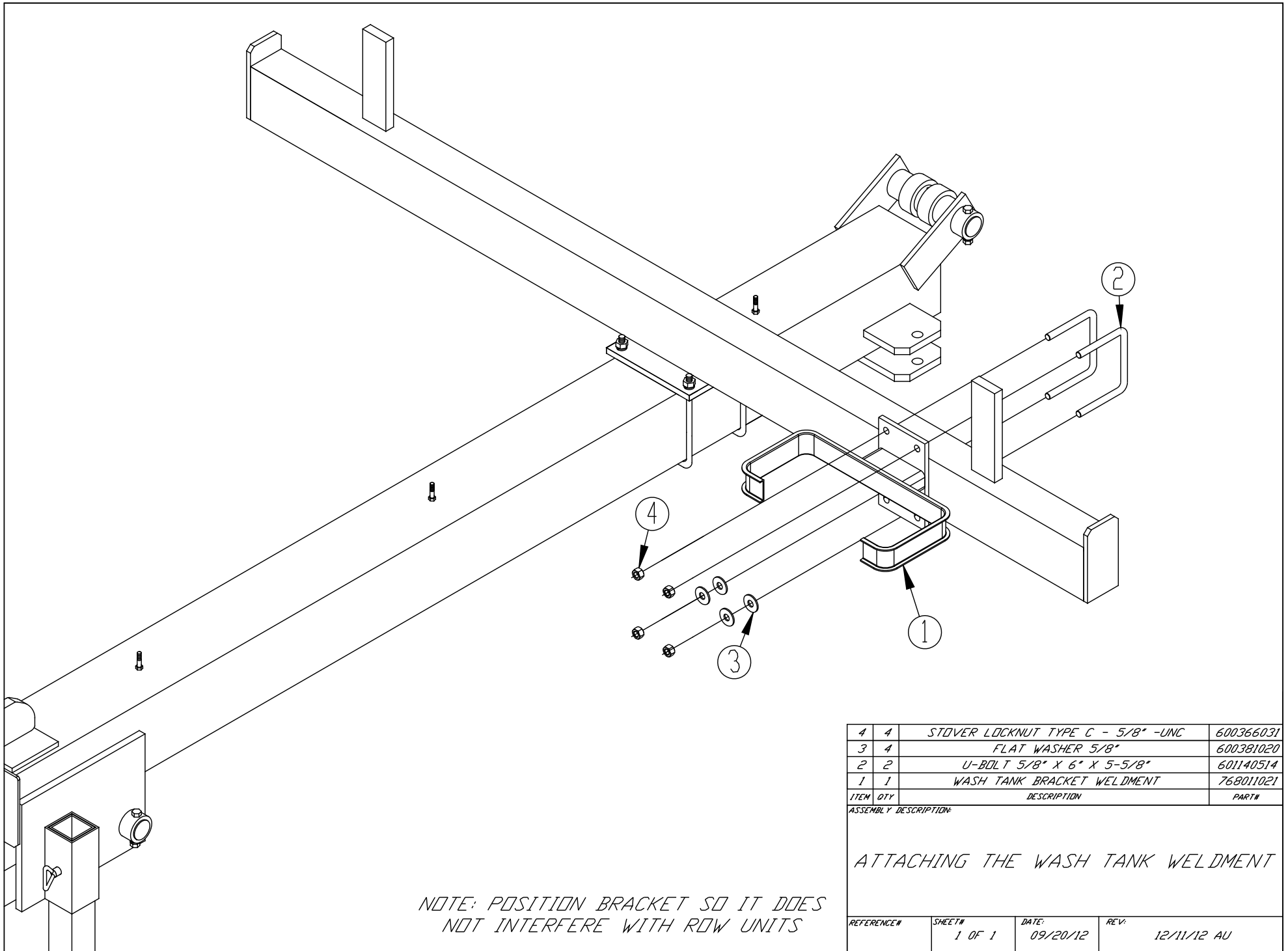
NEW DECALS ARE AVAILABLE FROM YOUR DEALER.

COMPLETE 2500 DECAL KIT. PART NUMBER: 900847

ASSEMBLY DESCRIPTION:

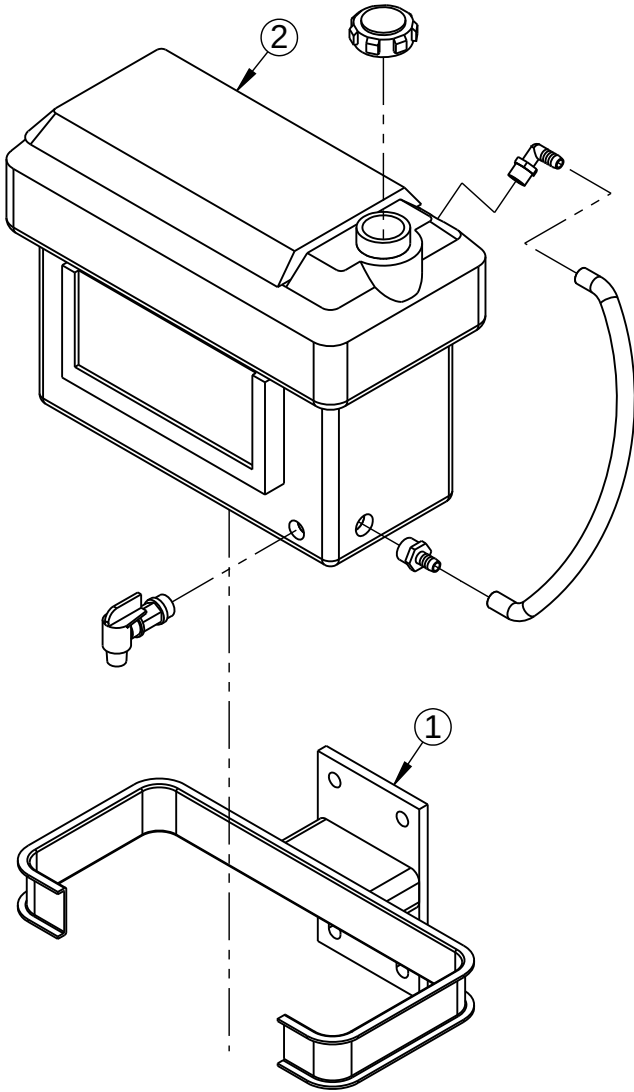
DECALS

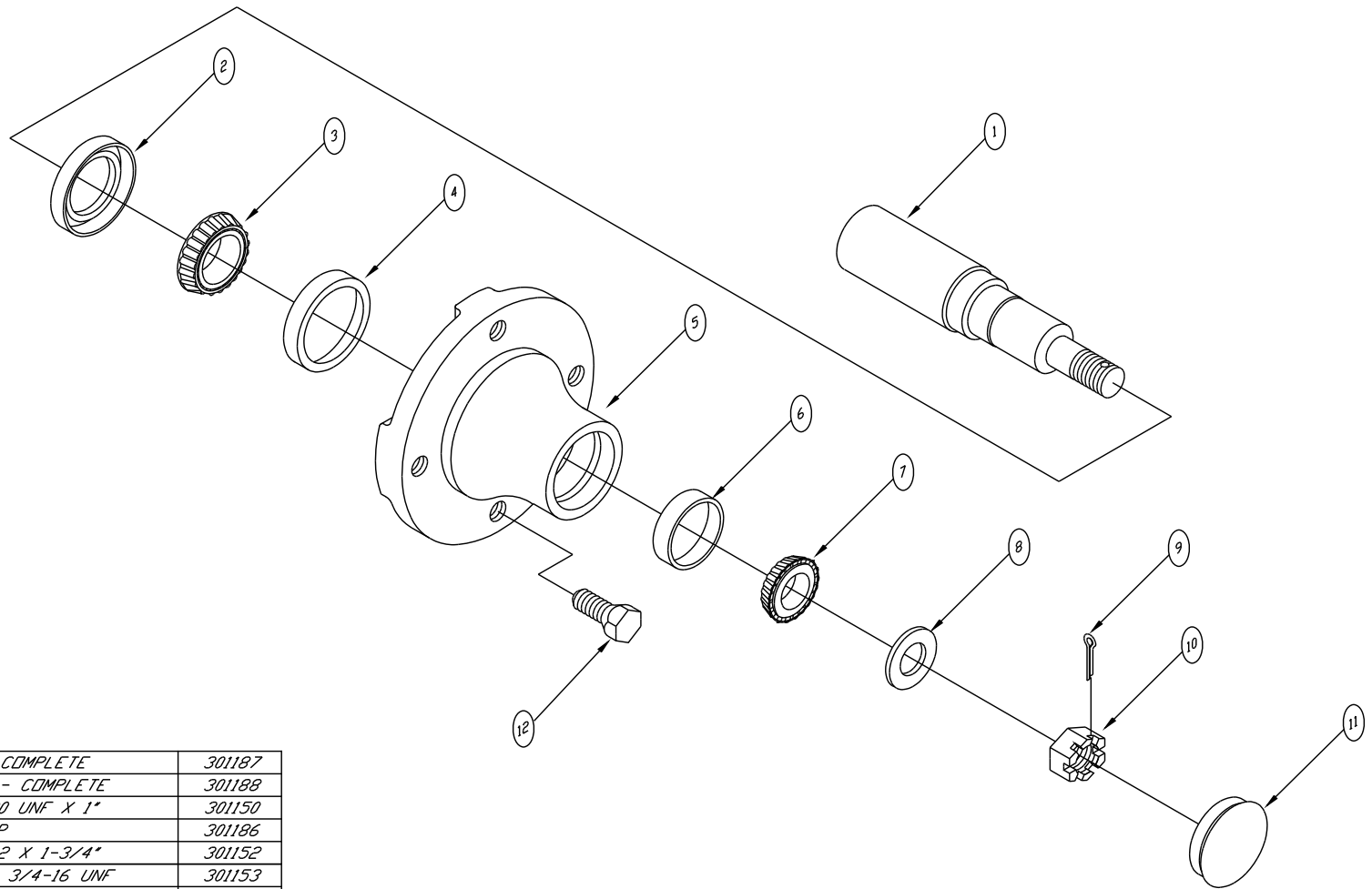
REFERENCE#	SHEET#	DATE:	REV:
2500A008	2 OF 2	03/22/10	



ATTACHING THE WASH TANK

ITEM NO.	PART NUMBER	Description1	QTY.
1	768011021	WASH TANK BRACKET WELDMENT	1
2	767500030	WASH TANK - COMPLETE	1





14	1	HUB ASSEMBLY - COMPLETE	301187
13	1	SPINDLE ASSEMBLY - COMPLETE	301188
12	4	LUG BOLT - 1/2-20 UNF X 1"	301150
11	1	DUST CAP	301186
10	1	COTTER PIN - 5/32 X 1-3/4"	301152
9	1	CASTELLATED NUT - 3/4-16 UNF	301153
8	1	THRUST WASHER - 1.5" O.D. X .8125" I.D.	301142
7	1	BEARING CONE - LM 11949	301185
6	1	BEARING CUP - LM 11910	301184
5	1	HUB - 4 BOLT W/ 5" BOLT CIRCLE	301182
4	1	BEARING CUP - 67010	301134
3	1	BEARING CONE - LM 67048	301132
2	1	SEAL - CR 14975	301183
1	1	SPINDLE - Ø1.625 X 8.00"	301181
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

HEAVY DUTY 4 BOLT
COULTER HUB & SPINDLE

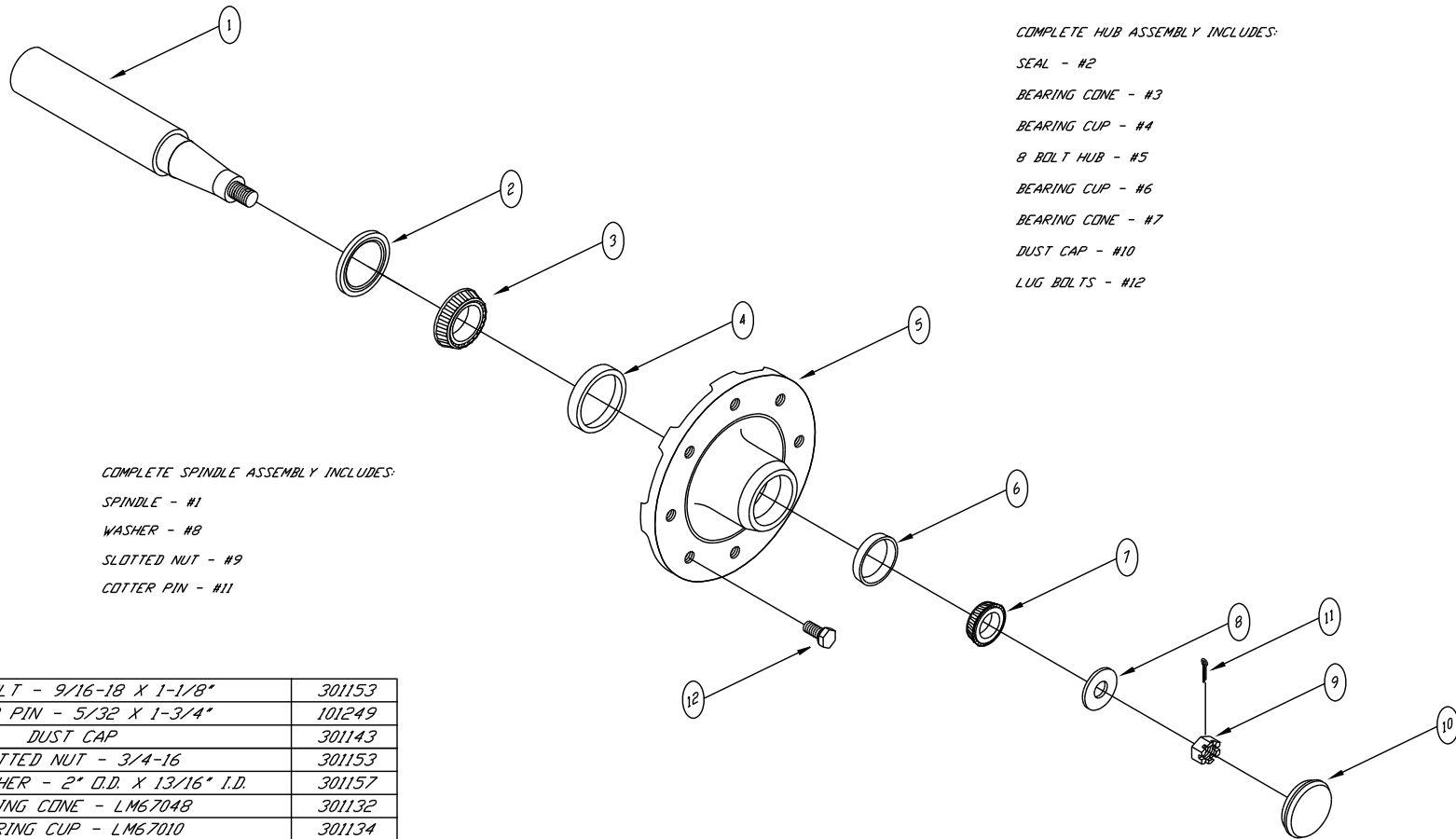
REFERENCE#	SHEET#	DATE:	REV:
HD4BHUBSP	1 OF 1	06/26/06	

HUB ASSEMBLY COMPLETE INCLUDES:

SEAL - 301183
BEARING CONE - 301132
BEARING CUP - 301134
HUB - 301182
BEARING CUP - 301184
BEARING CONE - 301185
DUST CAP - 301186
LUG BOLTS - 301150 (4)

SPINDLE ASSEMBLY COMPLETE INCLUDES:

SPINDLE - 301181
WASHER - 301142
CASTELLATED NUT - 301153
COTTER PIN - 301152



COMPLETE HUB ASSEMBLY INCLUDES:

- SEAL - #2
- BEARING CONE - #3
- BEARING CUP - #4
- 8 BOLT HUB - #5
- BEARING CUP - #6
- BEARING CONE - #7
- DUST CAP - #10
- LUG BOLTS - #12

COMPLETE SPINDLE ASSEMBLY INCLUDES:

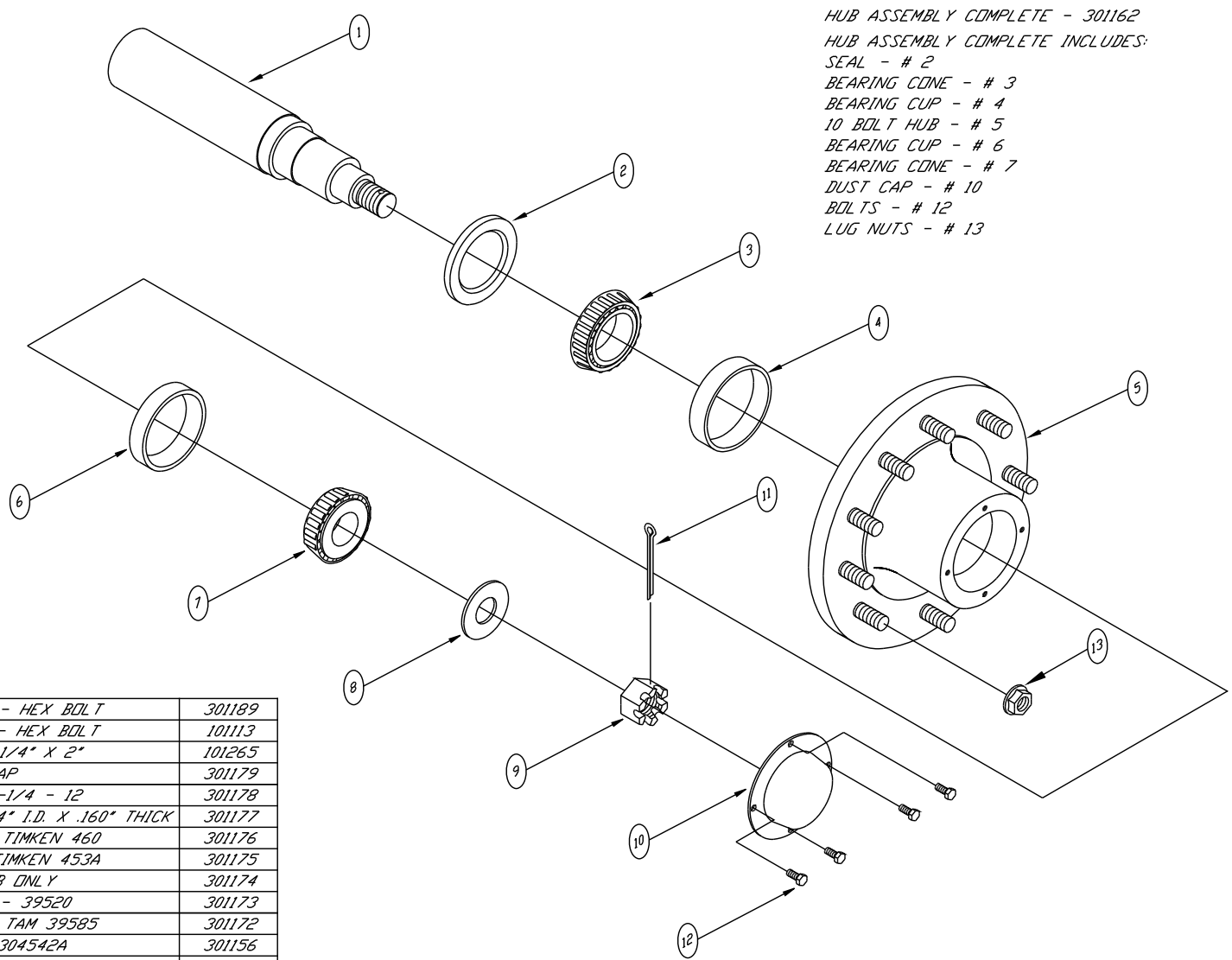
- SPINDLE - #1
- WASHER - #8
- SLOTTED NUT - #9
- COTTER PIN - #11

12	8	LUG BOLT - 9/16-18 X 1-1/8"	301153
11	1	COTTER PIN - 5/32 X 1-3/4"	101249
10	1	DUST CAP	301143
9	1	SLOTTED NUT - 3/4-16	301153
8	1	THRUST WASHER - 2" O.D. X 1 3/16" I.D.	301157
7	1	BEARING CONE - LM67048	301132
6	1	BEARING CUP - LM67010	301134
5	1	HUB - 8 BOLT W/ 8" BOLT CIRCLE	301127
4	1	BEARING CUP - LM603011	301136
3	1	BEARING CONE - LM603049	301130
2	1	SEAL - CR 22392	301155
1	1	Ø2.25 X 14" - SPINDLE ONLY	301124
ITEM	QTY	DESCRIPTION	PART#

ASSEMBLY DESCRIPTION:

8 BOLT HUB & SPINDLE

REFERENCE#	SHEET#	DATE:	REV:
8BHUBSPN	1 OF 1	02/08/07	



HUB ASSEMBLY COMPLETE - 301162
 HUB ASSEMBLY COMPLETE INCLUDES:
 SEAL - # 2
 BEARING CONE - # 3
 BEARING CUP - # 4
 10 BOLT HUB - # 5
 BEARING CUP - # 6
 BEARING CONE - # 7
 DUST CAP - # 10
 BOLTS - # 12
 LUG NUTS - # 13

13	10	LUG NUT - 3/4" - HEX BOLT	301189
12	4	5/16-18 X 3/4" - HEX BOLT	101113
11	1	COTTER PIN - 1/4" X 2"	101265
10	1	DUST CAP	301179
9	1	SPINDLE NUT 1-1/4 - 12	301178
8	1	WASHER - 3" O.D. X 1-1/4" I.D. X .160" THICK	301177
7	1	BEARING CONE - TIMKEN 460	301176
6	1	BEARING CUP - TIMKEN 453A	301175
5	1	10 BOLT HUB ONLY	301174
4	1	BEARING CUP - 39520	301173
3	1	BEARING CONE - TAM 39585	301172
2	1	SEAL - TCM 304542A	301156
1	1	Ø3-1/8 X 17-3/8" - SPINDLE ONLY	301171
ITEM	QTY	DESCRIPTION	PART#

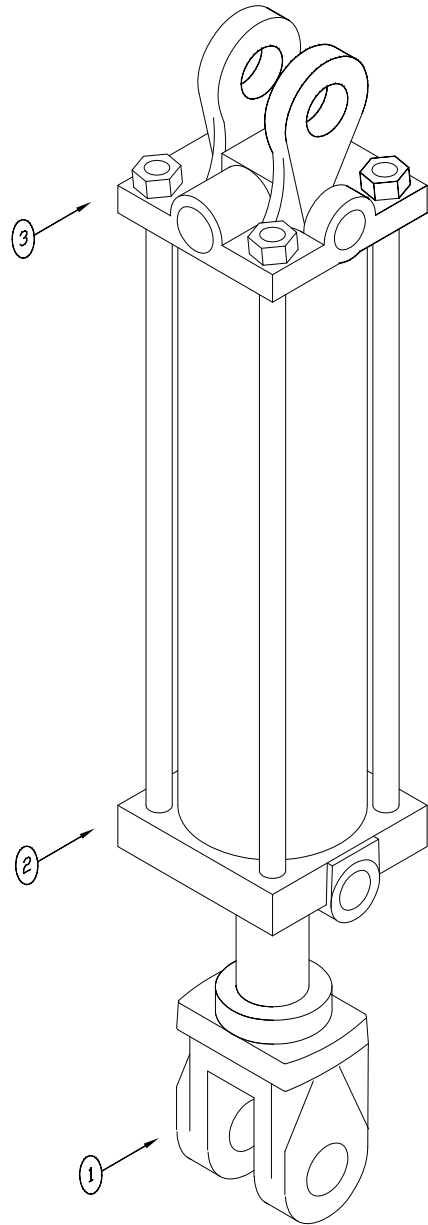
ASSEMBLY DESCRIPTION:

10 BOLT HUB & SPINDLE

REFERENCE#	SHEET#	DATE:	REV:
10BHUBSPN	1 OF 1	07/23/06	

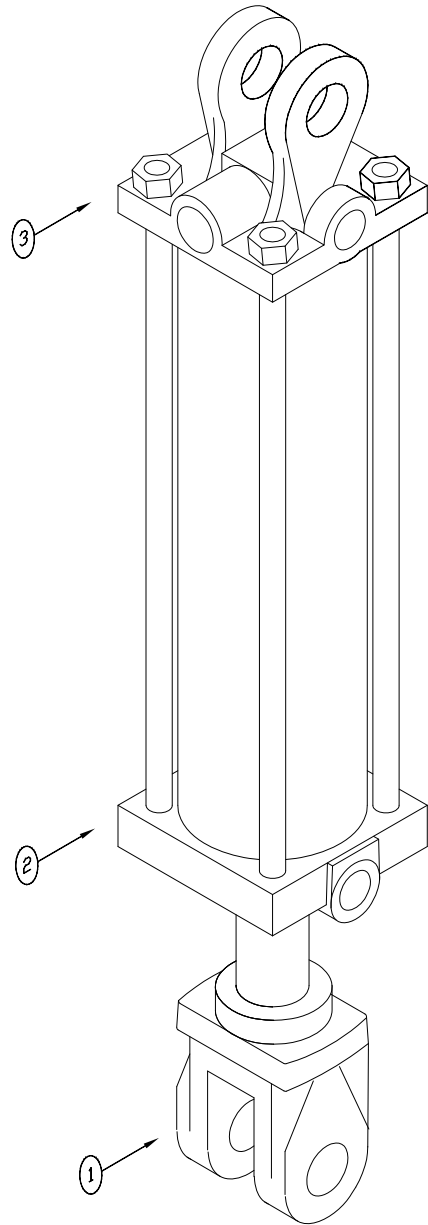
SPINDLE COMPLETE - 301166
 SPINDLE ASSEMBLY COMPLETE INCLUDES:
 SPINDLE - # 1
 WASHER - # 8
 SLOTTED NUT - # 9
 COTTER PIN - # 11

3-1/4 X 10" REPHASE CYLINDER



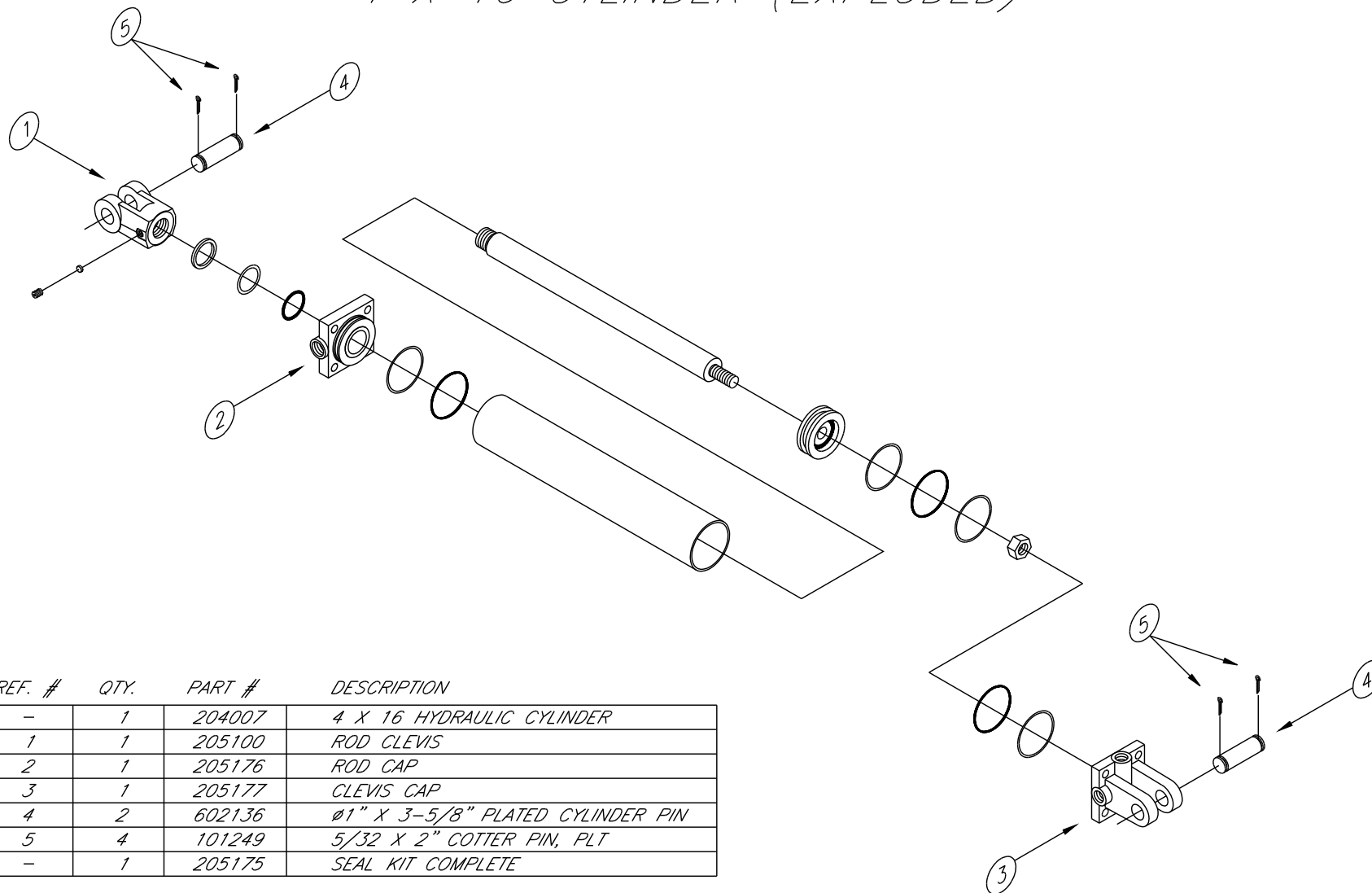
ITEM	QTY	PART#	DESCRIPTION
1	1	205181	ROD CLEVIS
2	1	205182	ROD CAP
3	1	205183	CLEVIS CAP
-	1	204015	3-1/4 X 10" REPHASE CYLINDER
-	1	205178	SEAL KIT

3-1/2 X 10" REPHASE CYLINDER



ITEM	QTY	PART#	DESCRIPTION
1	1	205184	ROD CLEVIS
2	1	205185	ROD CAP
3	1	205186	CLEVIS CAP
-	1	204016	3-1/2X 10" REPHASE CYLINDER
-	1	205179	SEAL KIT

LION 2500 SERIES 4 X 16 CYLINDER (EXPLODED)



REF. #	QTY.	PART #	DESCRIPTION
-	1	204007	4 X 16 HYDRAULIC CYLINDER
1	1	205100	ROD CLEVIS
2	1	205176	ROD CAP
3	1	205177	CLEVIS CAP
4	2	602136	Ø1" X 3-5/8" PLATED CYLINDER PIN
5	4	101249	5/32 X 2" COTTER PIN, PLT
-	1	205175	SEAL KIT COMPLETE



Progressive Farm Products



19500 N 1425 East Road • Hudson, IL 61748-9450 • (309) 454-1564 • FAX (309) 452-1610

WARRANTY

Main Frame, Wings, Wheel Supports Three (3) Years
All Other Components, except tiresOne (1) Year

Progressive Farm Products Inc. (PFP, Inc.) warrants each new PFP, Inc. product to be free from defects in material and workmanship. This warranty is in effect from the date of delivery to the original purchaser and is applicable only for the normal life expectancy of the machine or components, not to exceed the time periods listed above. Tires on PFP, Inc. equipment are warranted through the respective tire manufacturer. Contact a dealer of the manufacturer in your local area.

Under no circumstances will it cover any merchandise or components thereof which, in the opinion of the company, has been subjected to negligent handling, misuse, alternation, an accident, or if repairs have been made with parts other than those obtainable through PFP, Inc.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser any part that in our judgement shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from date of failure to PFP, Inc. through a dealer from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render us liable for injury or damages of any kind of nature, direct, consequential, or contingent to person or property. This warranty does not extend to loss of crops, loss because of delay or any expense of loss incurred for labor, supplies, substitute machinery, rental, or for any other reason.

There are no warranties, either expressed or implied, of merchantability of fitness for particular purpose intended or fitness for any other reason.

This warranty is subject to any existing conditions of supply, which may directly affect our ability to obtain materials or manufacture replacement parts.

PFP, Inc. reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of units previously sold.

No one is authorized to alter, modify, or enlarge this warranty nor the exclusions, limitations, and reservations.

**Progressive Farm Products Warranty does not include
cost of travel time, mileage, hauling, or labor.**