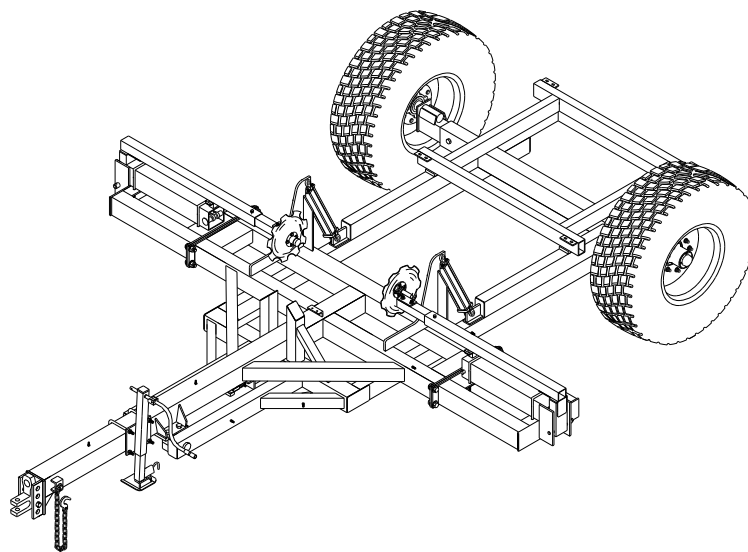


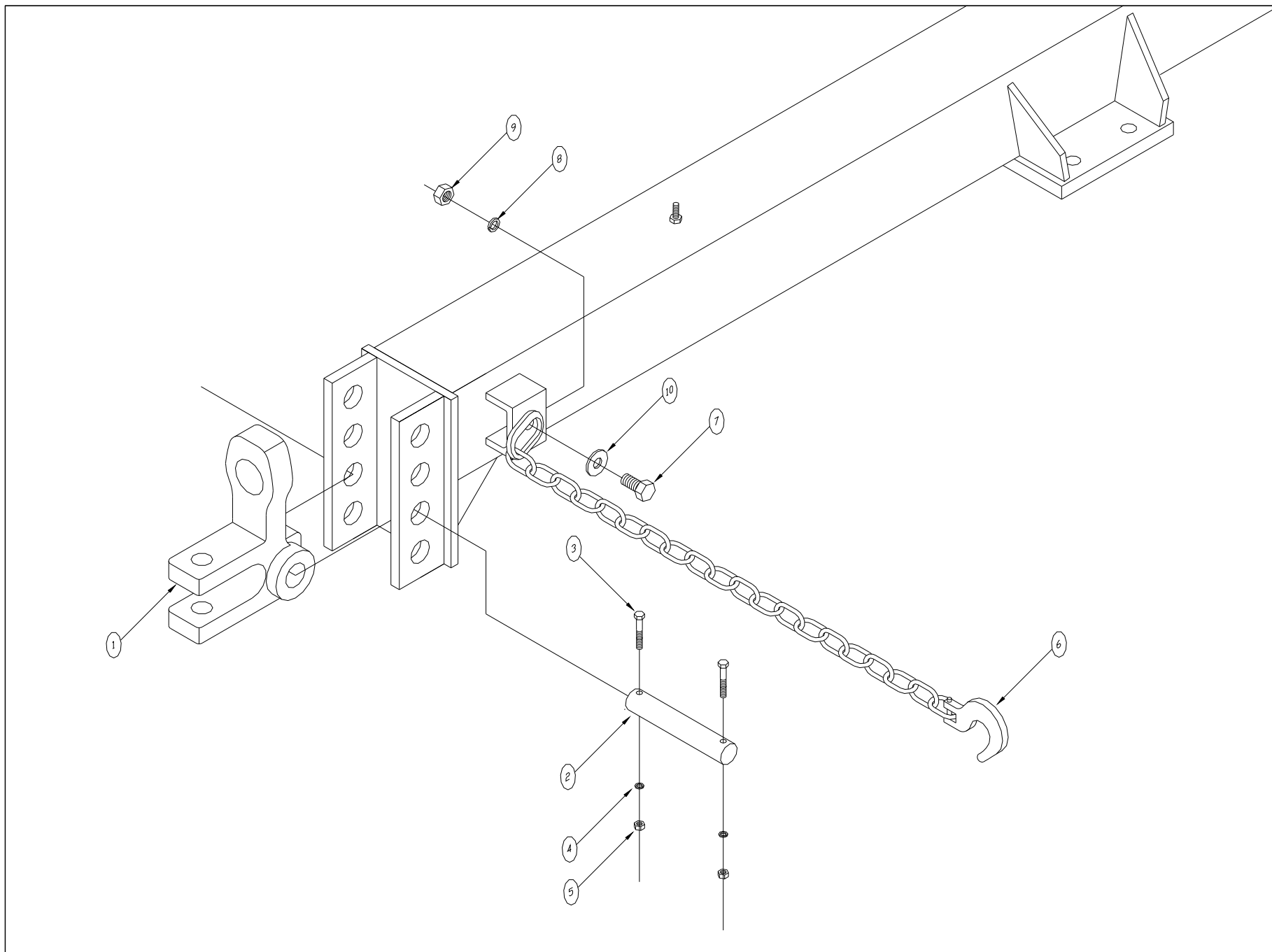


*PROGRESSIVE
FARM PRODUCTS, INC.*

OPERATOR'S MANUAL
8200 SERIES
DEEP RIPPER TOOL BAR

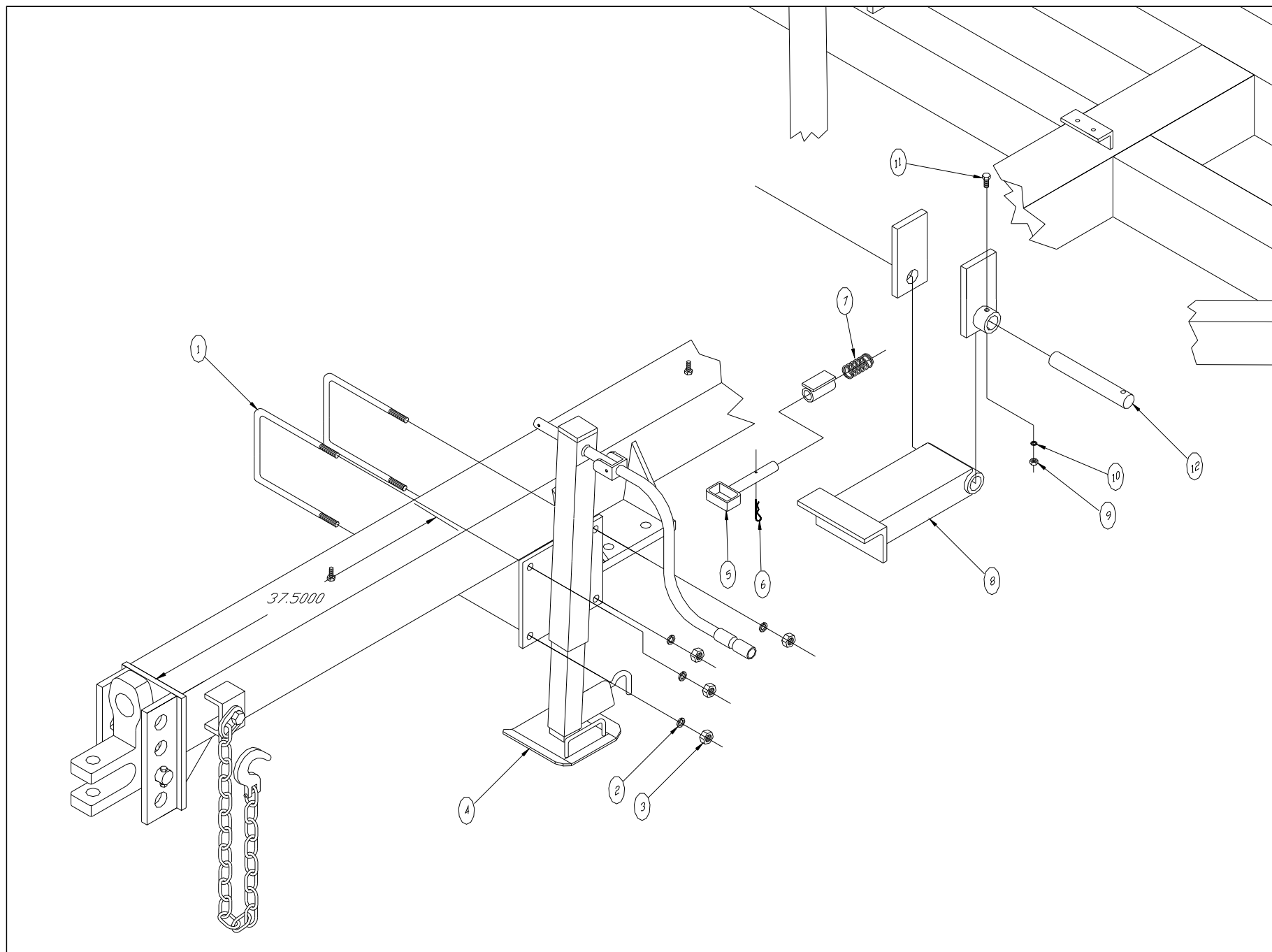


COME VISIT US ON THE WEB AT: www.progressivefarm.com



REFERENCE#	DATE:	REV:
CMB0CL VS	08/24/06	

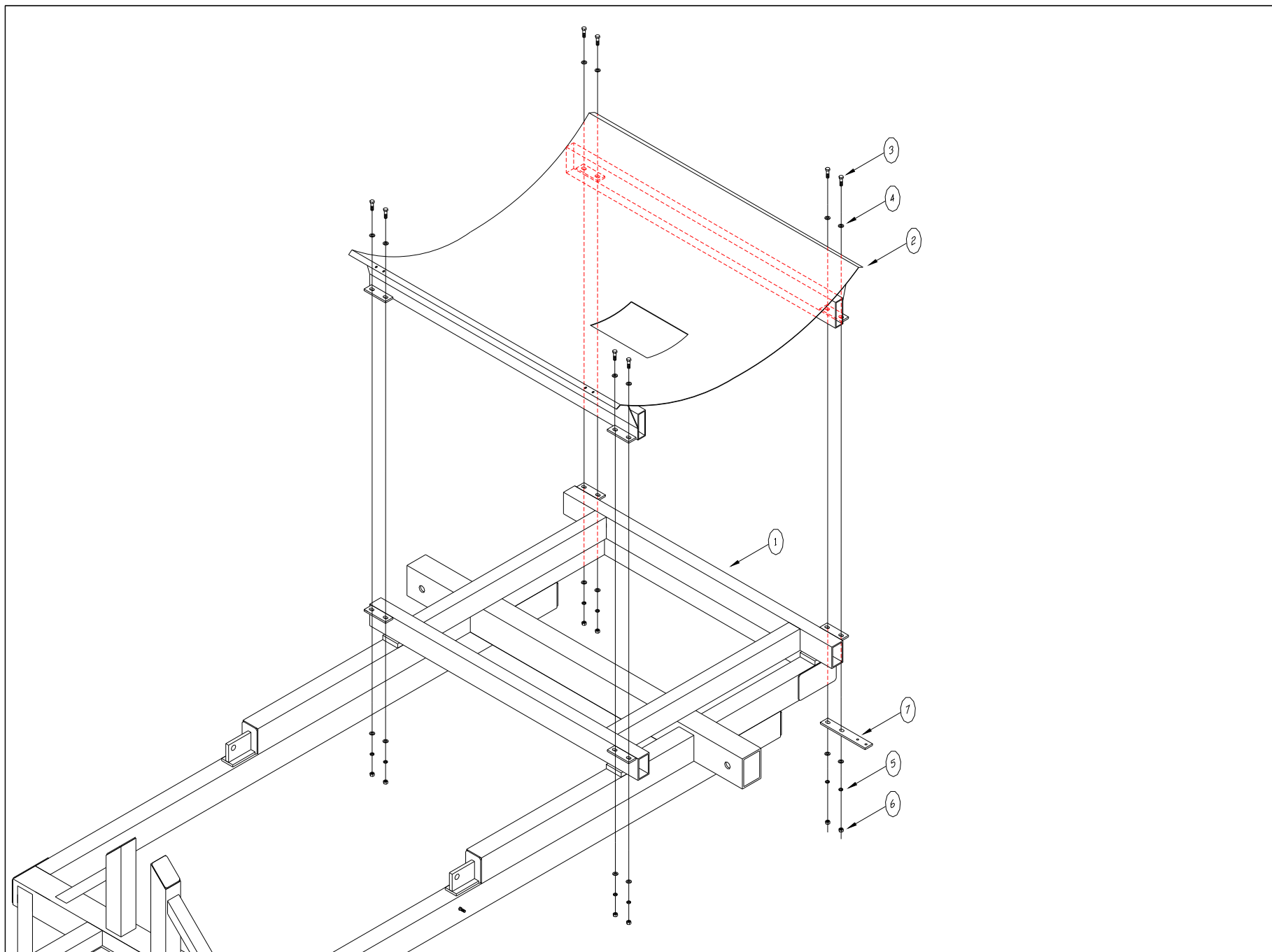
[illegible]

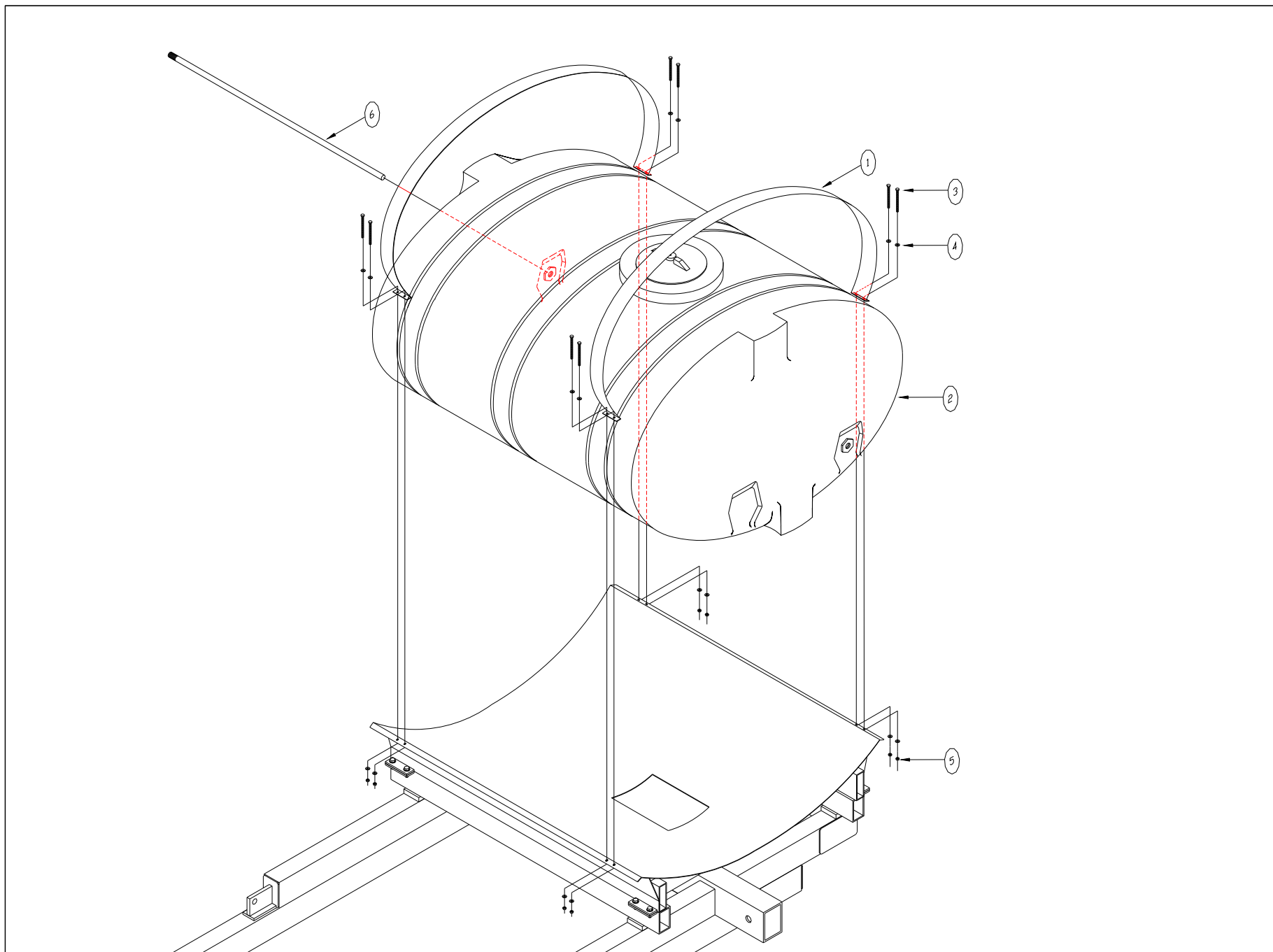


REFERENCE# JACKSAFTY	DATE: 08/24/06	REV:
-------------------------	-------------------	------

ATTACH THE DROP LEG JACK 37-1/2"
FROM THE END OF THE TUBE.

4

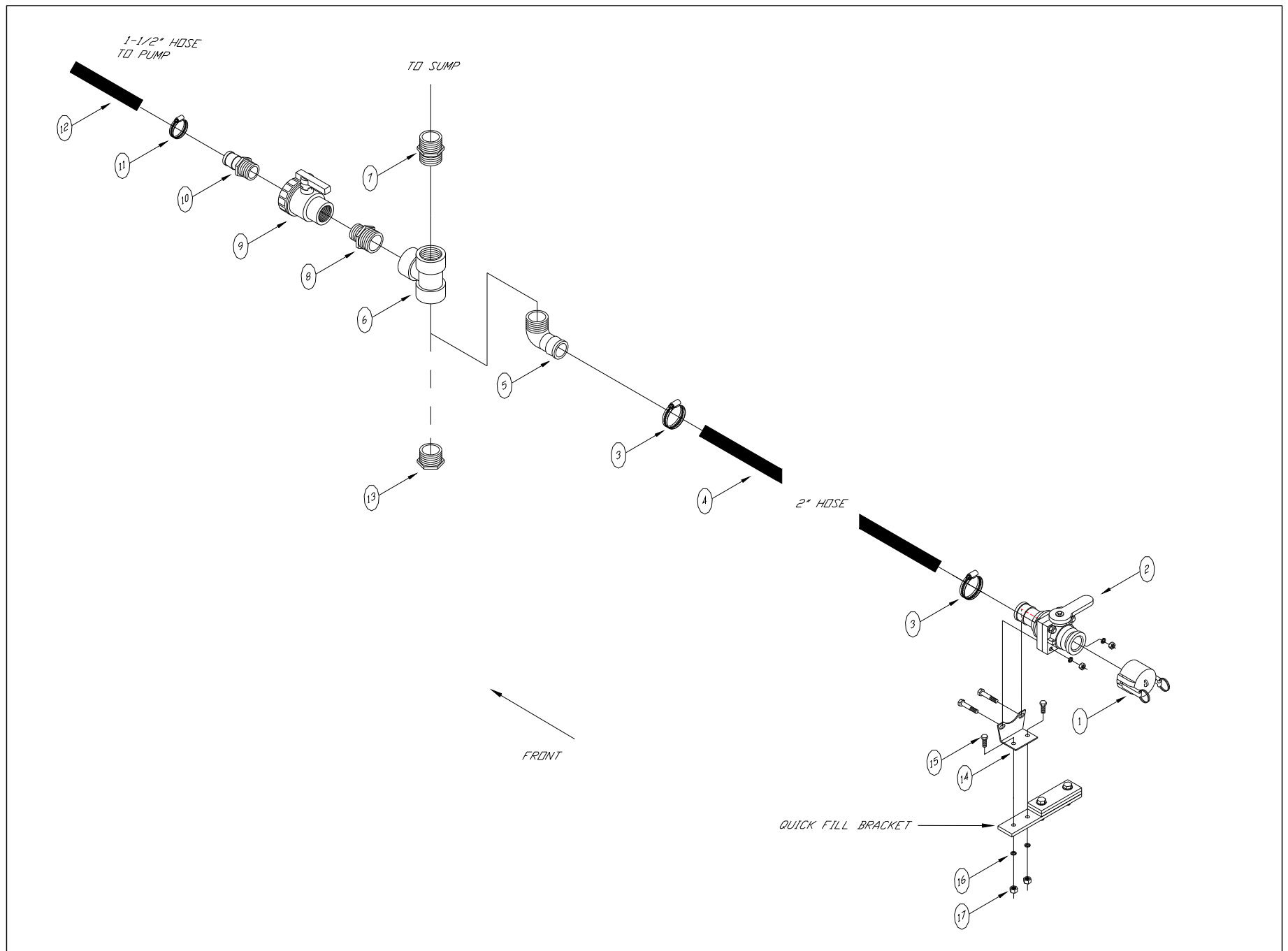




NOTES:

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

INSTALL THE SPARGER TUBE INTO THE
POLY TANK FITTINGS USING TEFLON
TAPE. THE PLUGGED END OF THE
SPARGER TUBE IS HELD IN PLACE BY A
PLUG IN THE REAR TANK FITTING.



QUICK FILL PLUMBING SCHEMATIC

NOTES:

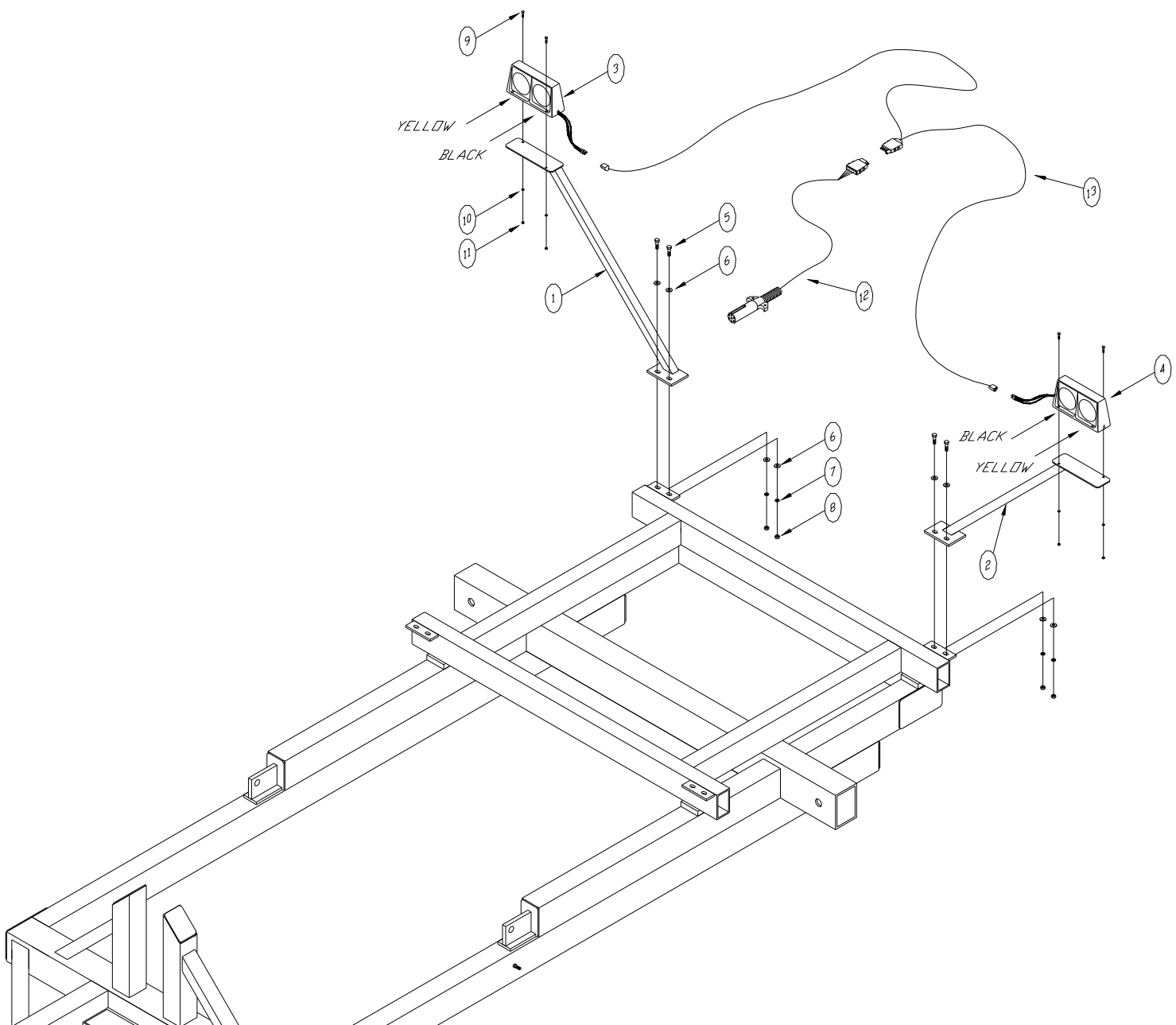
[illegible]

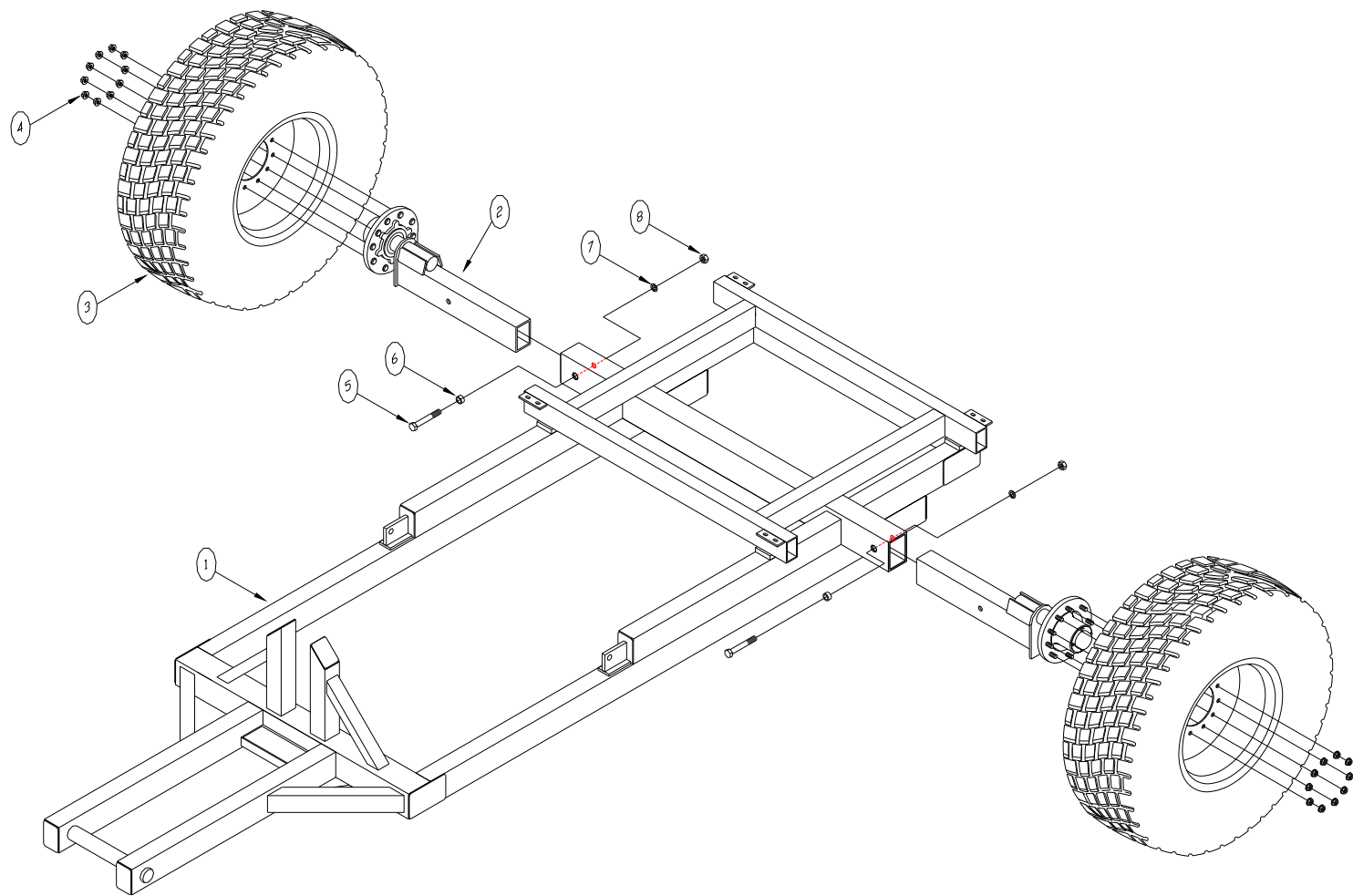
ITEM #13 IS USED WHEN
QUICK-FILL OPTION IS NOT USED.

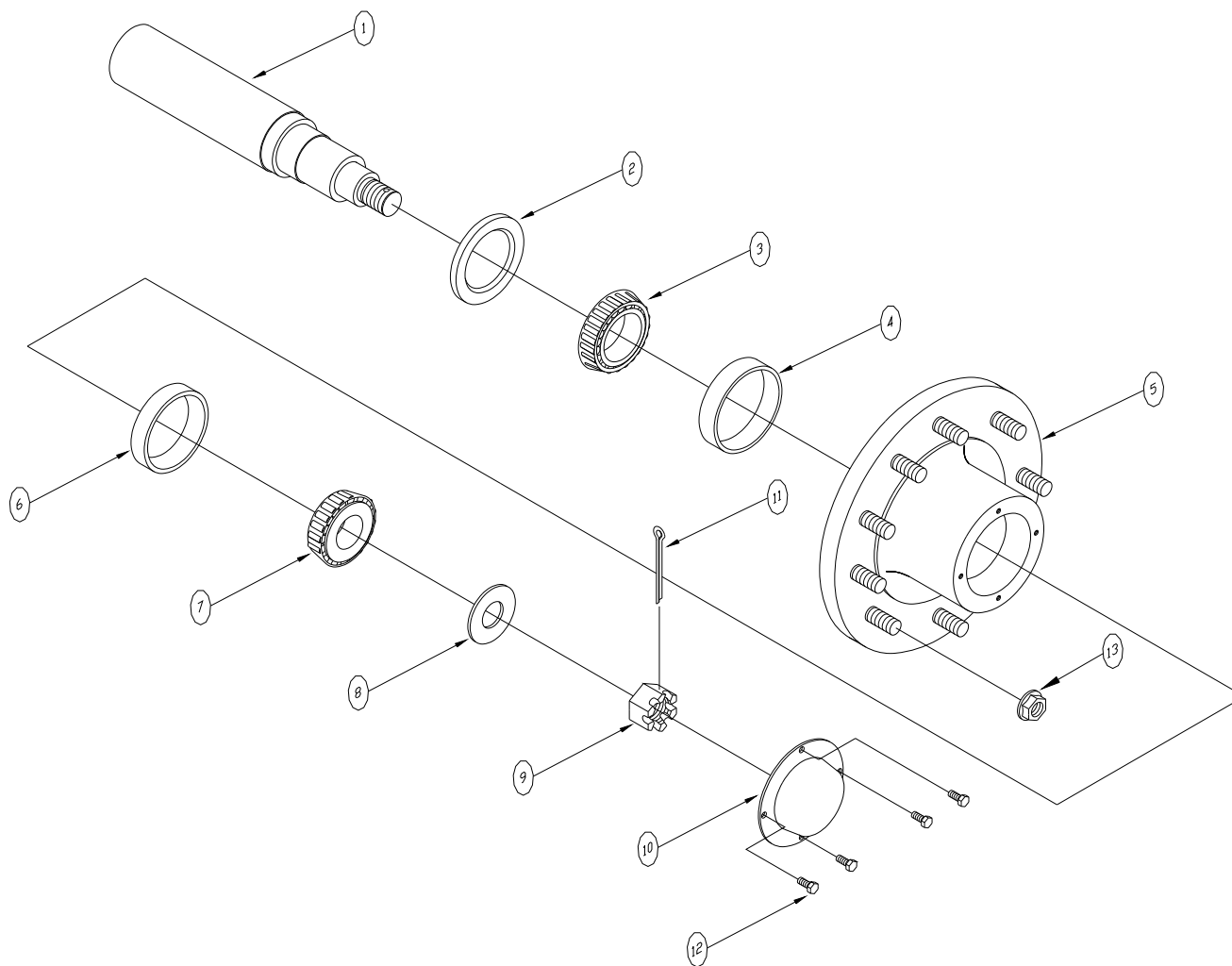
RECOMMENDED: USE RECTORSEAL NO. 5,
NO. 7, OR NO. 21 ON PIPE THREADS
INSTEAD OF TEFLON TAPE.

REMOVE THE BOTTOM NUTS & WASHERS FROM THE BALL VALVE & ATTACH THE MOUNTING BRACKET ON THOSE BOLTS.

FOR ASSEMBLY OF QUICK FILL BRACKET
REFER TO TANK SADDLE ASSEMBLY.







10 BOLT HUB AND SPINDLE ASSEMBLY

NOTES:

[illegible]

SPINDLE COMPLETE - 301166

SPINDLE ASSEMBLY COMPLETE INCLUDES:

SPINDLE - # 1

WASHER - # 8

SLOTTED NUT - # 9

COTTER PIN - # 11

HUB ASSEMBLY COMPLETE - 301162

HUB ASSEMBLY COMPLETE INCLUDES:

SEAL - # 2

BEARING CONE - # 3

BEARING CUP - # 4

10 BOLT HUB - # 5

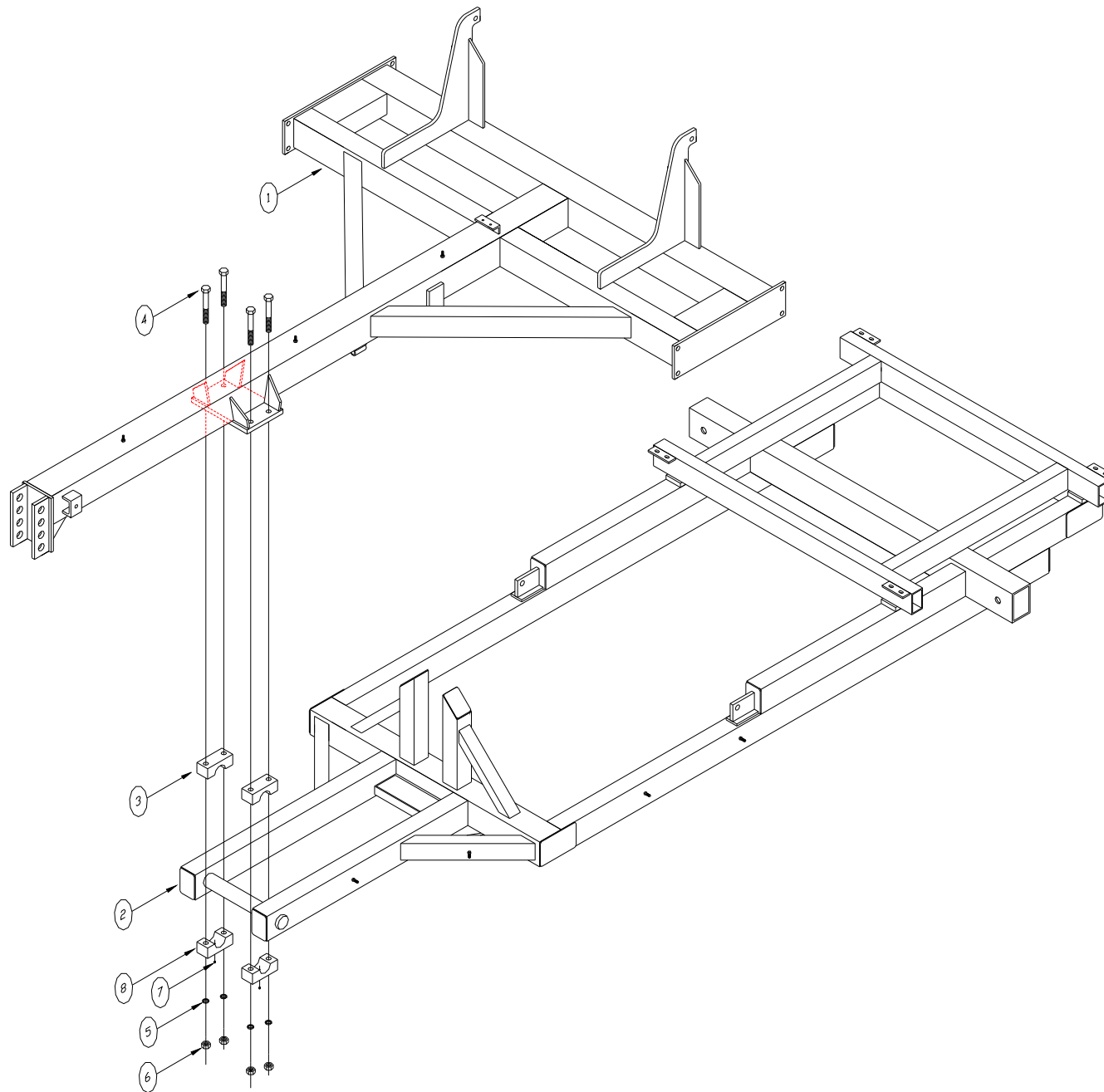
BEARING CUP - # 6

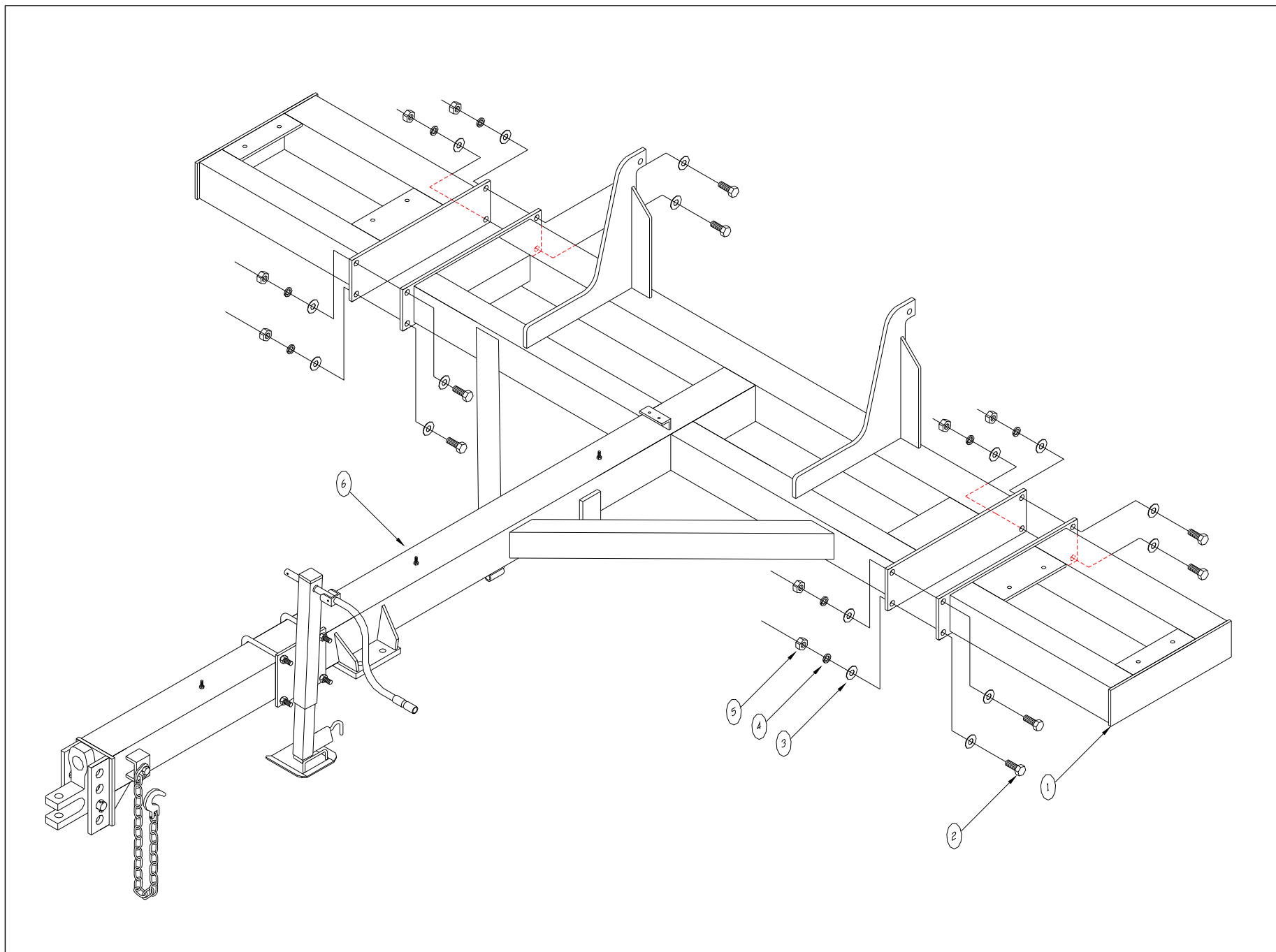
BEARING CONE - # 7

DUST CAP - # 10

BOLTS - # 12

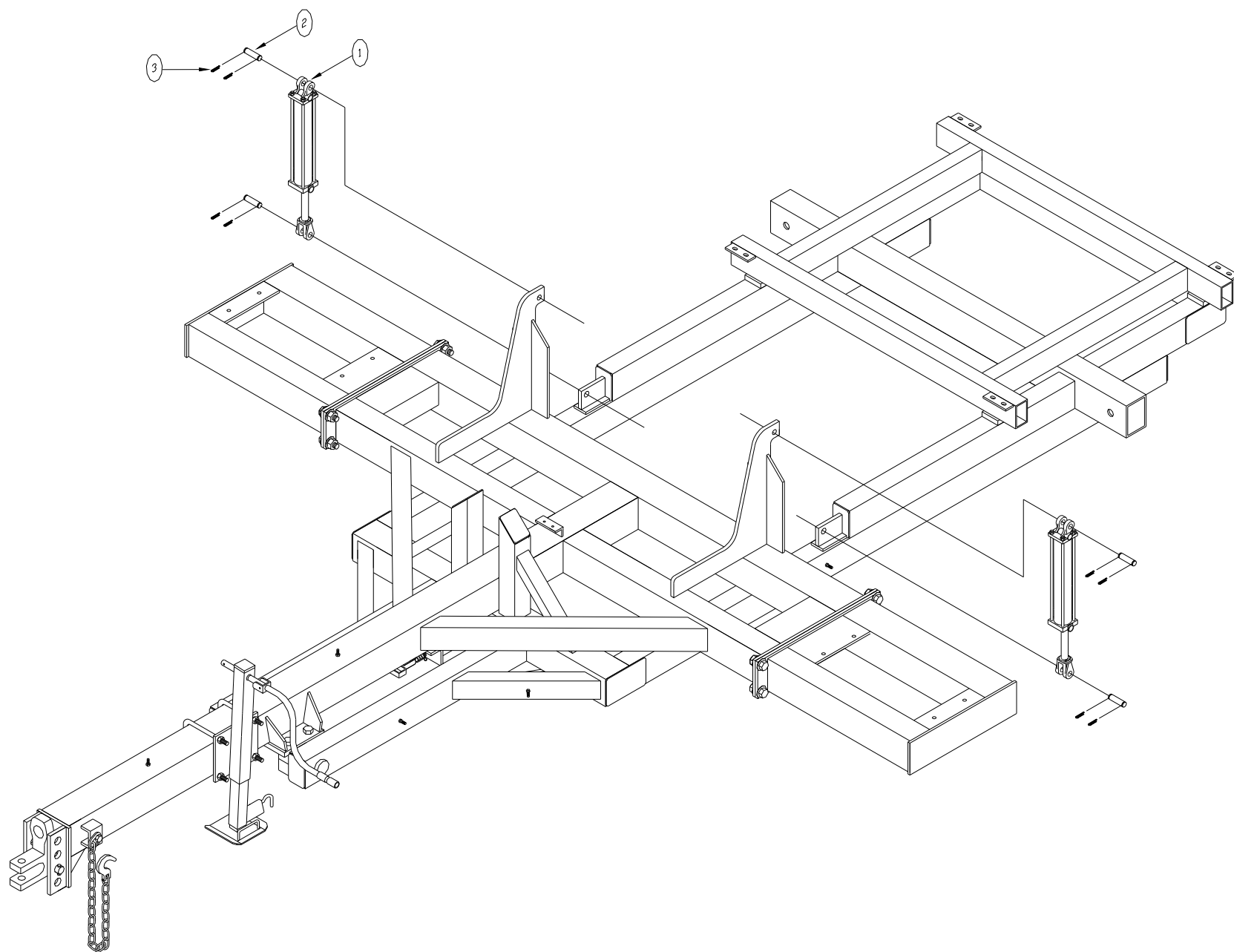
LUG NUTS - # 13

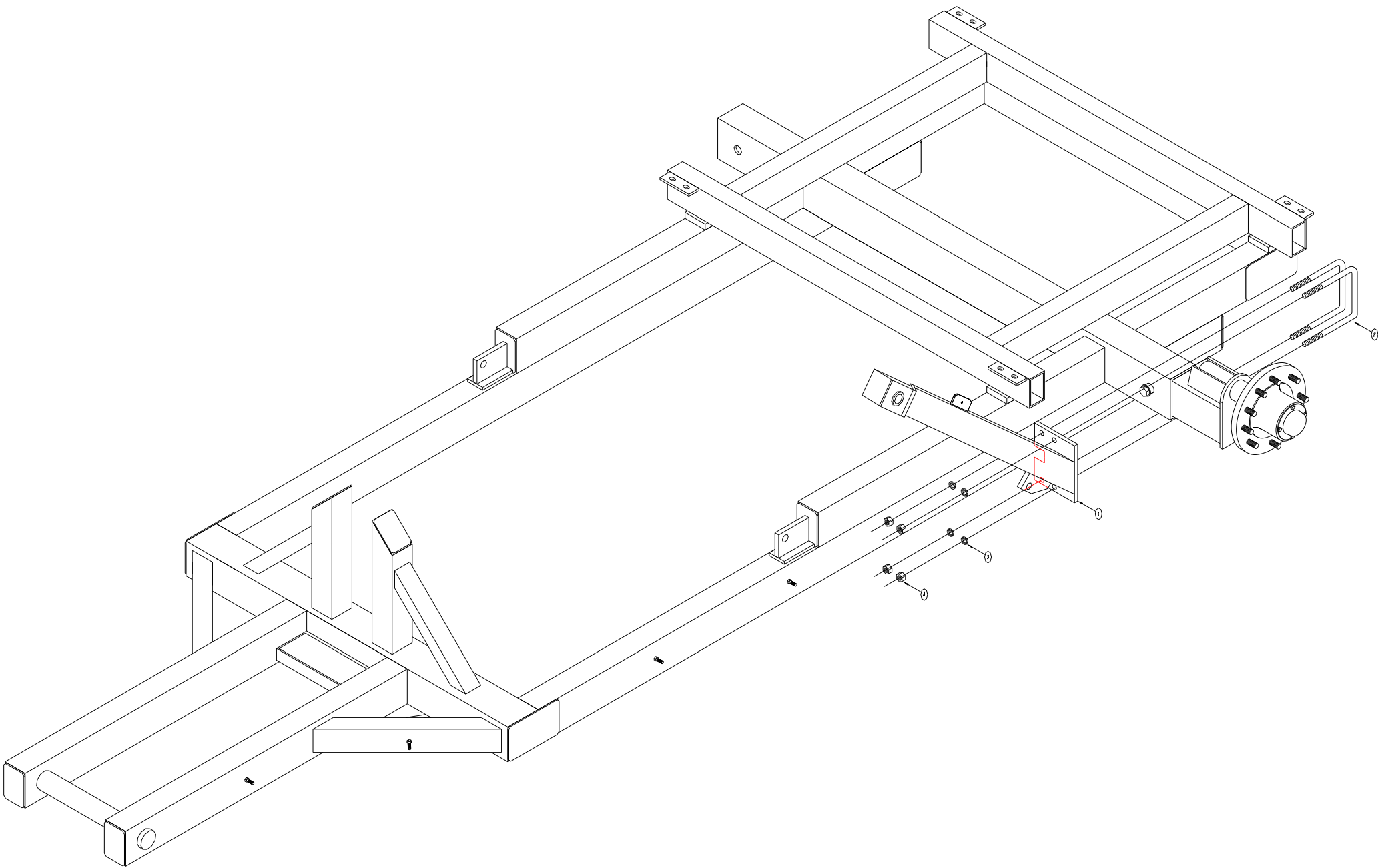


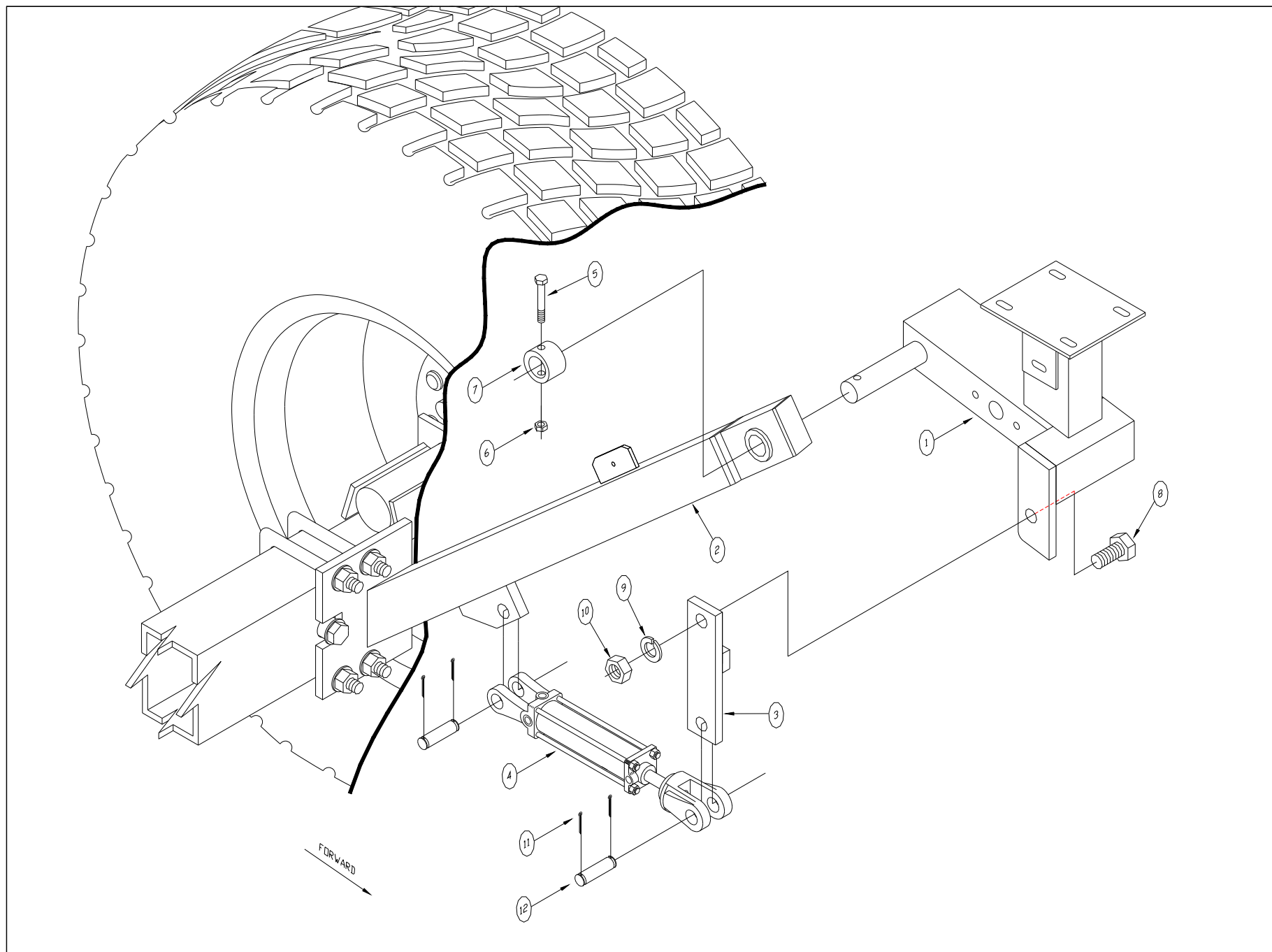


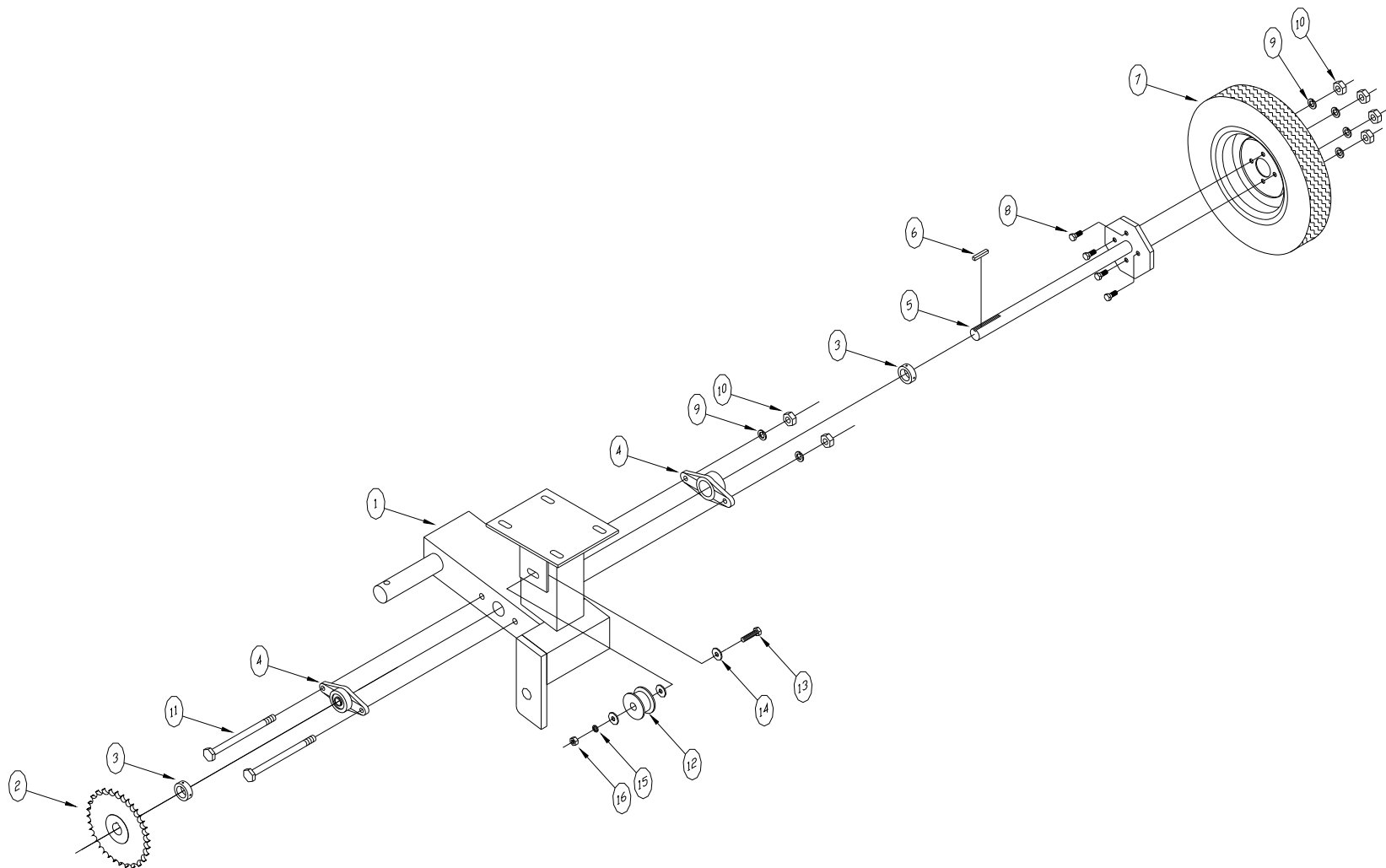
REFERENCE#	DATE:	REV:
WINGEXTIION	08/25/06	

[illegible]



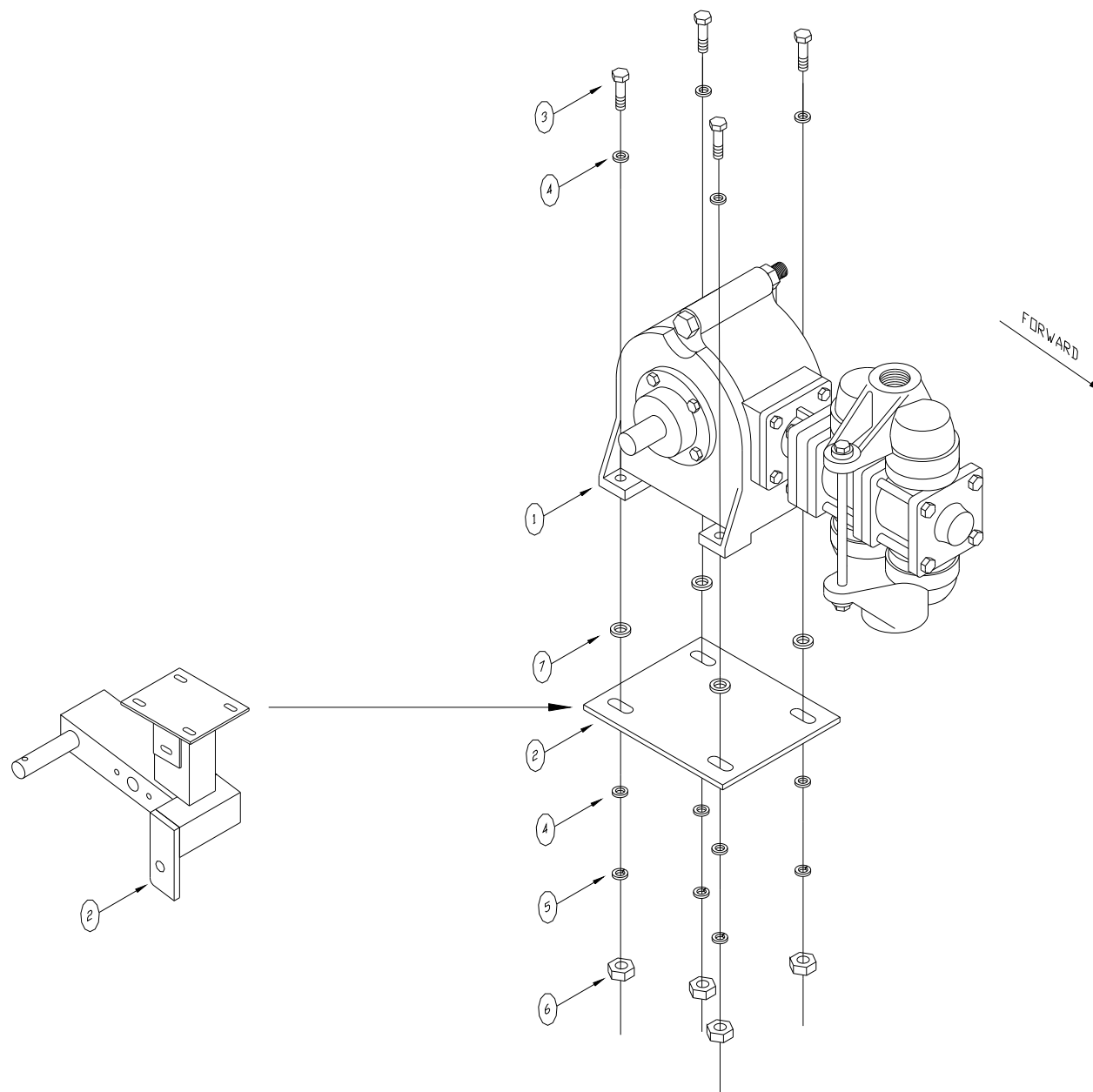


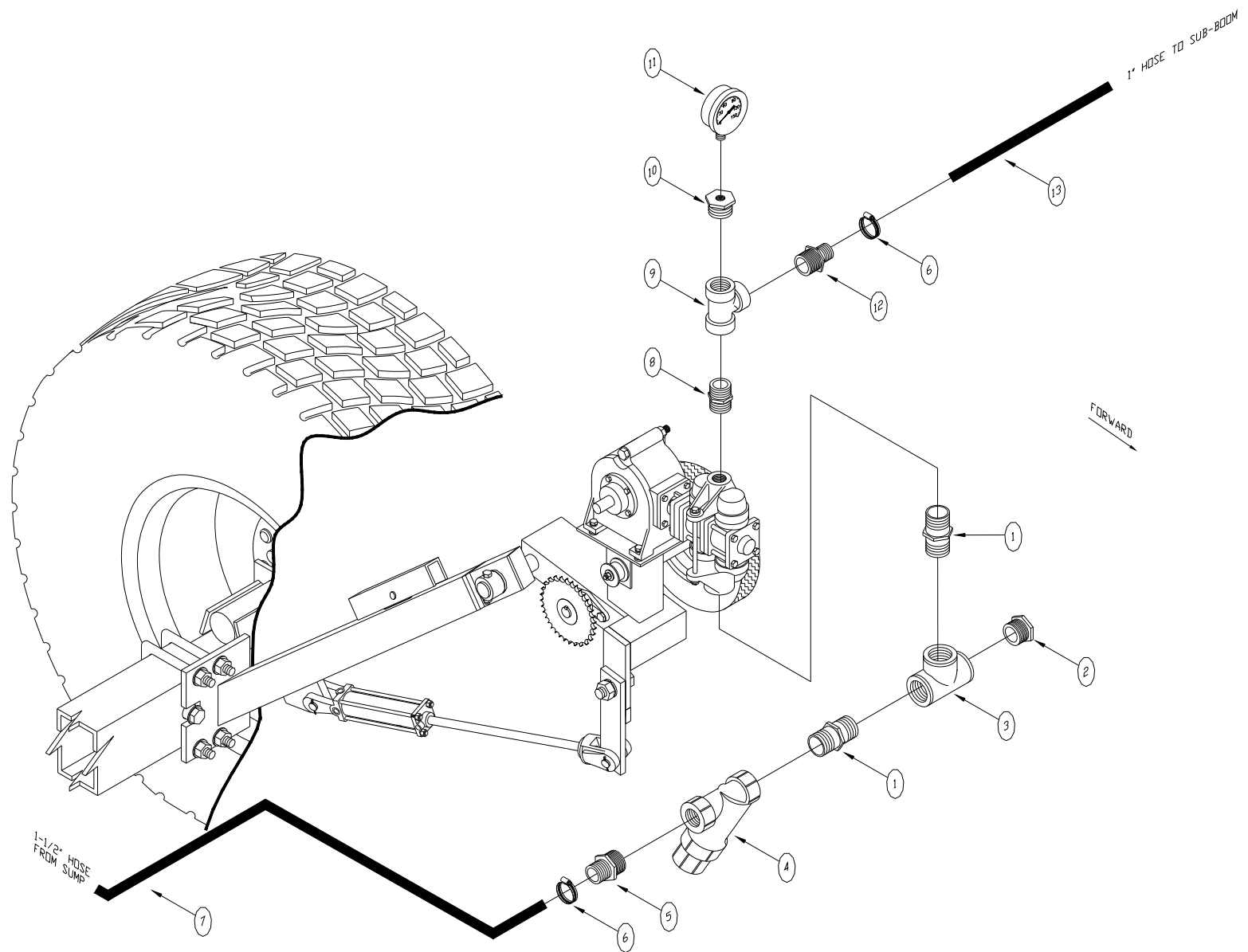


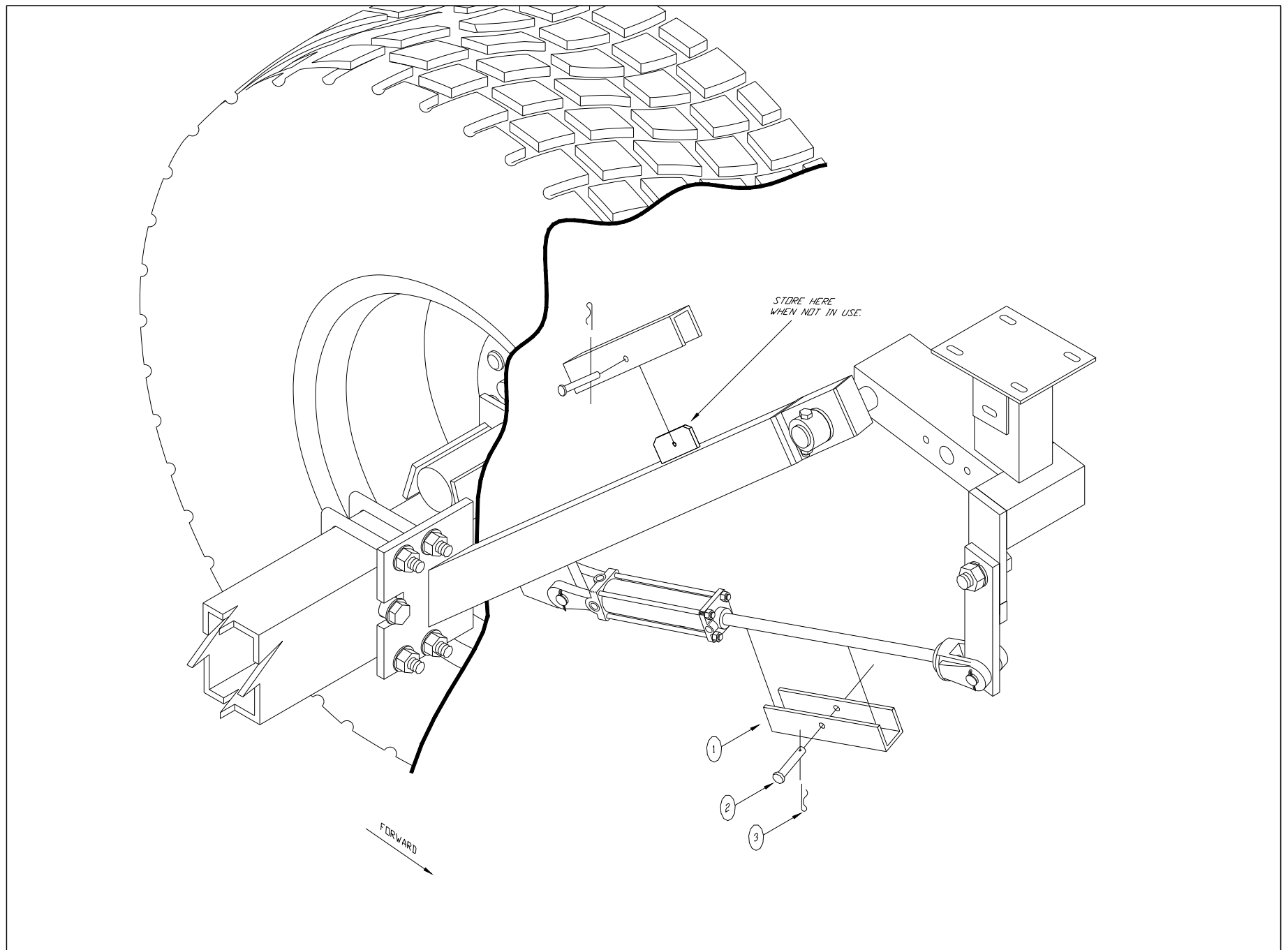


NOTES:

[illegible]







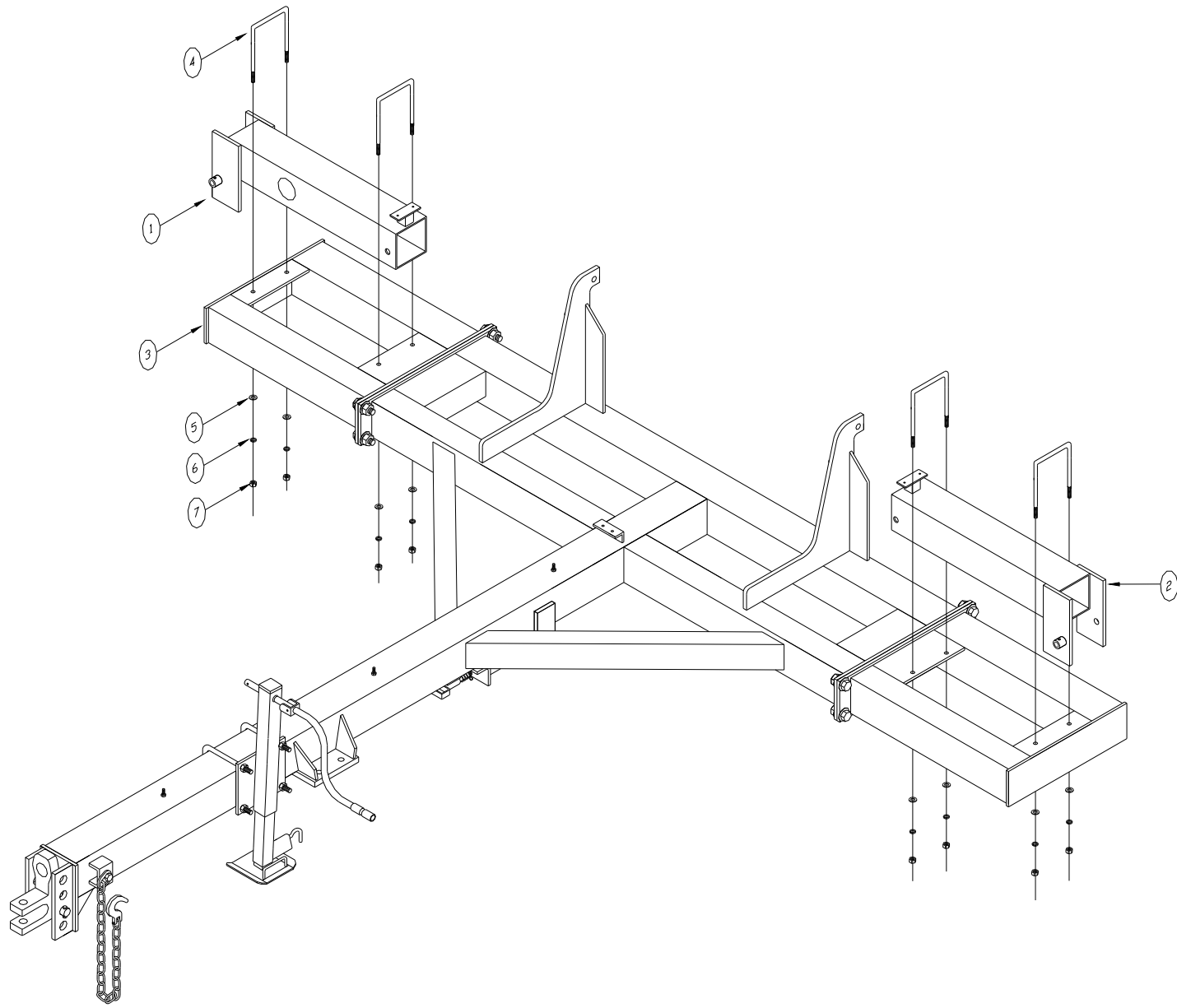
REFERENCE# SAFETYSTOP	DATE: 10/18/06	REV:
--------------------------	-------------------	------

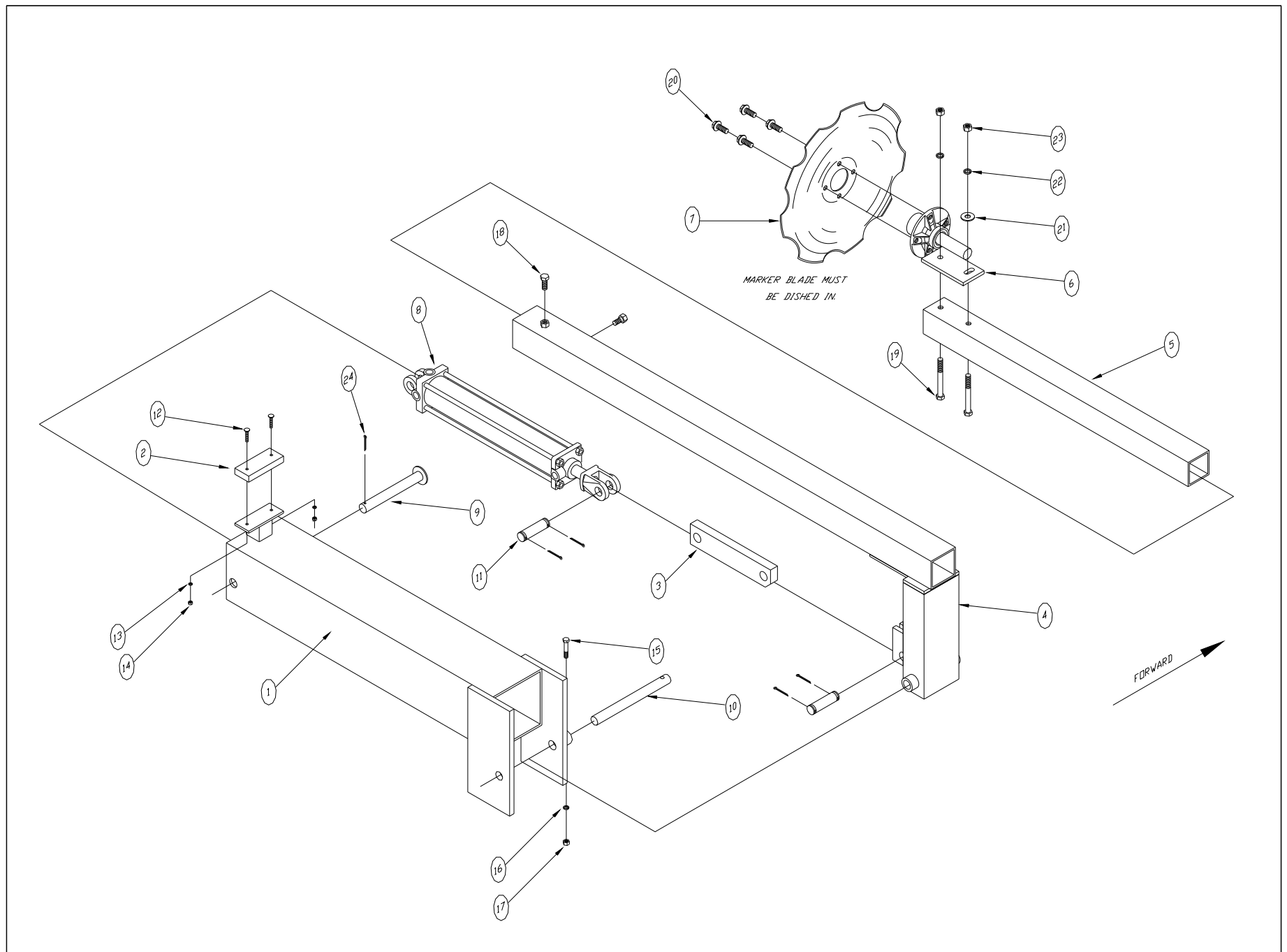
SAFETY STOP

NOTES:

ALWAYS USE SAFETY STOPS DURING TRANSPORTATION.

[illegible]



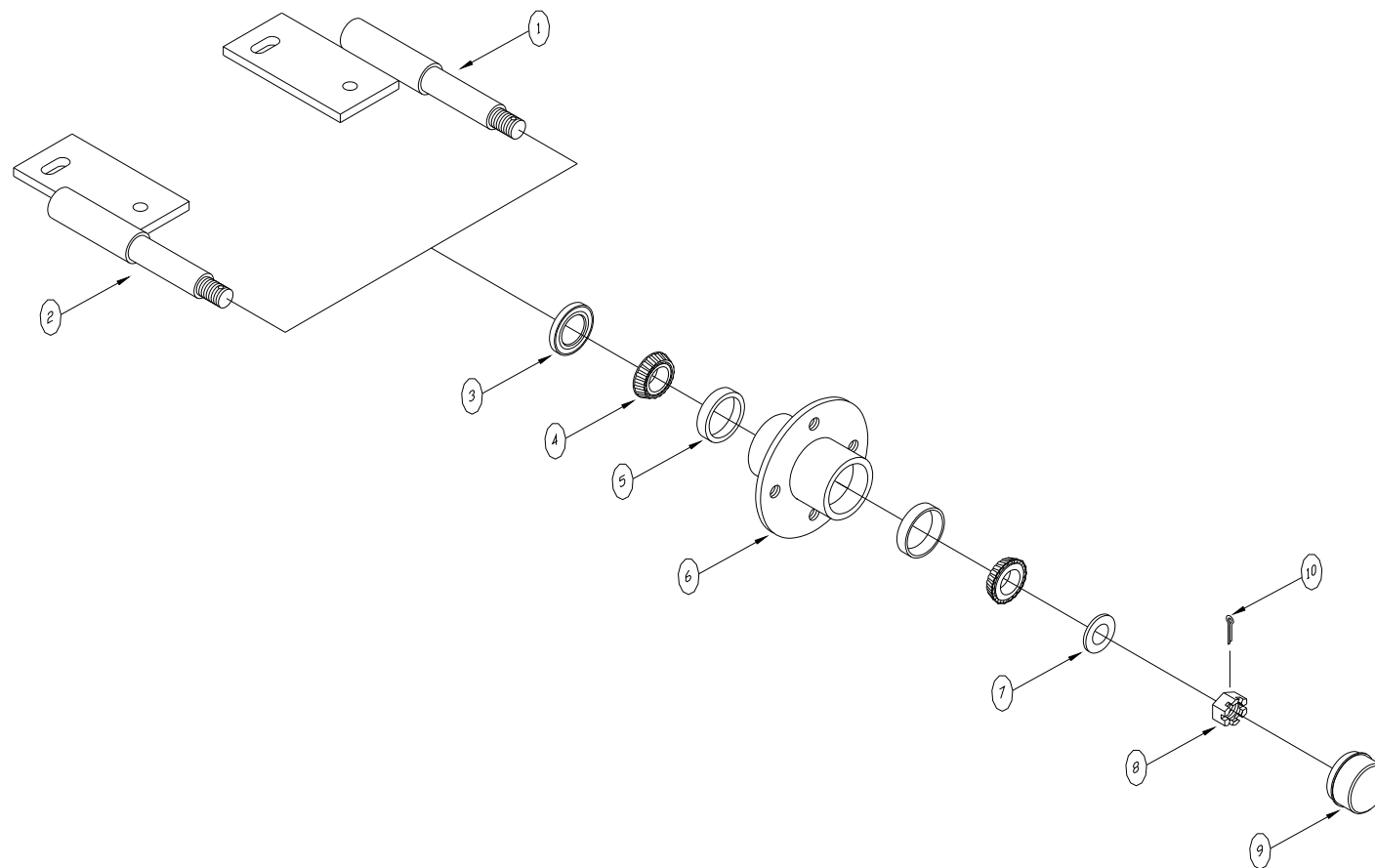


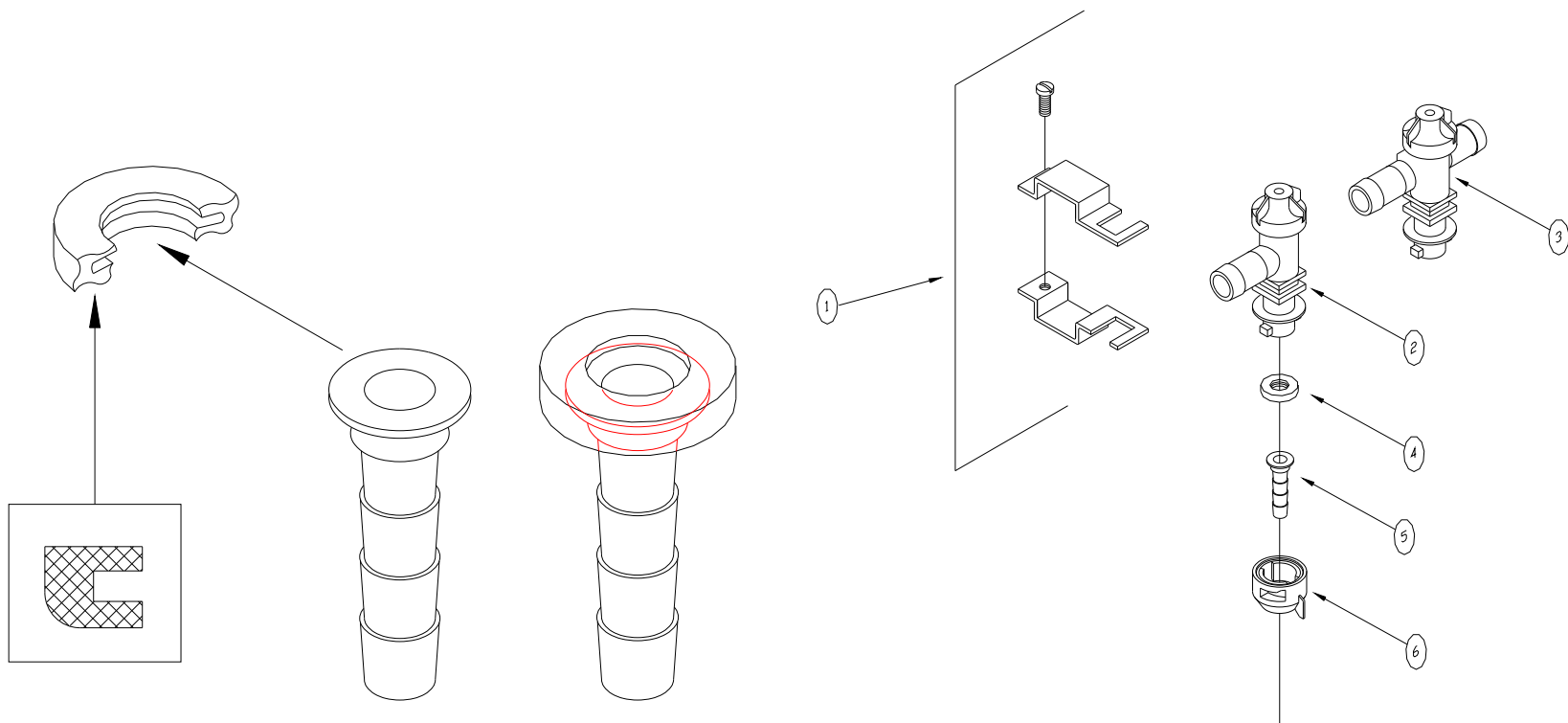
REFERENCE# MARKER	DATE: 08/29/06	REV:
----------------------	-------------------	------

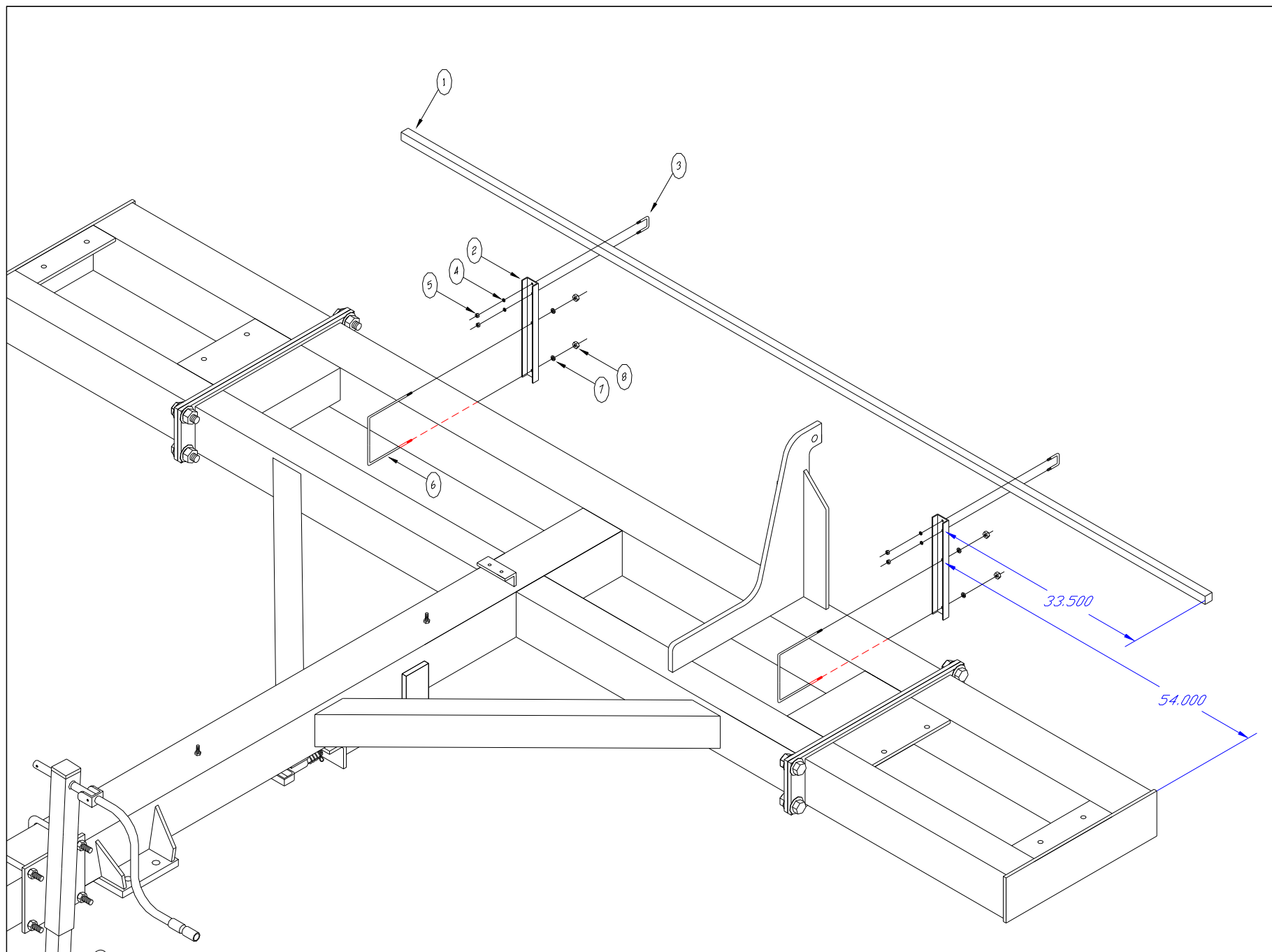
MARKER ASSEMBLY

NOTES:

ITEM	QTY	DESCRIPTION	PART#
1	1	RIGHT MARKER TUBE WELDMENT	768820024
-	1	LEFT MARKER TUBE WELDMENT (NOT SHOWN)	768820025
2	1	MARKER STAND BUMPER	400001
3	1	MARKER DRAG LINK	400104
4	1	RIGHT MARKER PIVOT ARM WELDMENT	768820027
-	1	L. MARKER PIVOT ARM WELDMENT (NOT SHOWN)	768820028
5	1	OUTER ARM TUBE	400120
6	1	RIGHT MARKER DISC ASSEMBLY	400006
-	1	LEFT MARKER DISC ASSEMBLY (NOT SHOWN)	400072
7	1	18" NOTCHED MARKER DISC	400227
8	1	HYDRAULIC CYLINDER - 3 X 16	204005
9	1	Ø1.00 X 8" - WELDED HINGE PIN	602110
10	1	Ø1.00 X 10-1/2" - PIN	602164
11	2	Ø1.00 X 3-5/8" PLATED CYLINDER PIN	602136
12	2	1/4 - 20 X 1-1/2" - CARRIAGE BOLT	101245
13	2	1/4" - LOCKWASHER	101218
14	2	1/4 - 20 HEX NUT	101209
15	1	3/8-16 X 2" HEX BOLT	101127
16	1	3/8" LOCKWASHER	101220
17	1	3/8-16 HEX NUT	101211
18	2	1/2-13 X 1" HEX BOLT	101147
19	2	1/2-13 X 4-1/2" - HEX BOLT	101154
20	4	1/2-20 X 1-1/4" -WHIZ BOLT	301193
21	1	1/2" - FLAT WASHER	101231
22	2	1/2" - LOCKWASHER	101222
23	2	1/2 - 13 HEX NUT	101213
24	5	7/32 X 2" COTTER PIN	101247



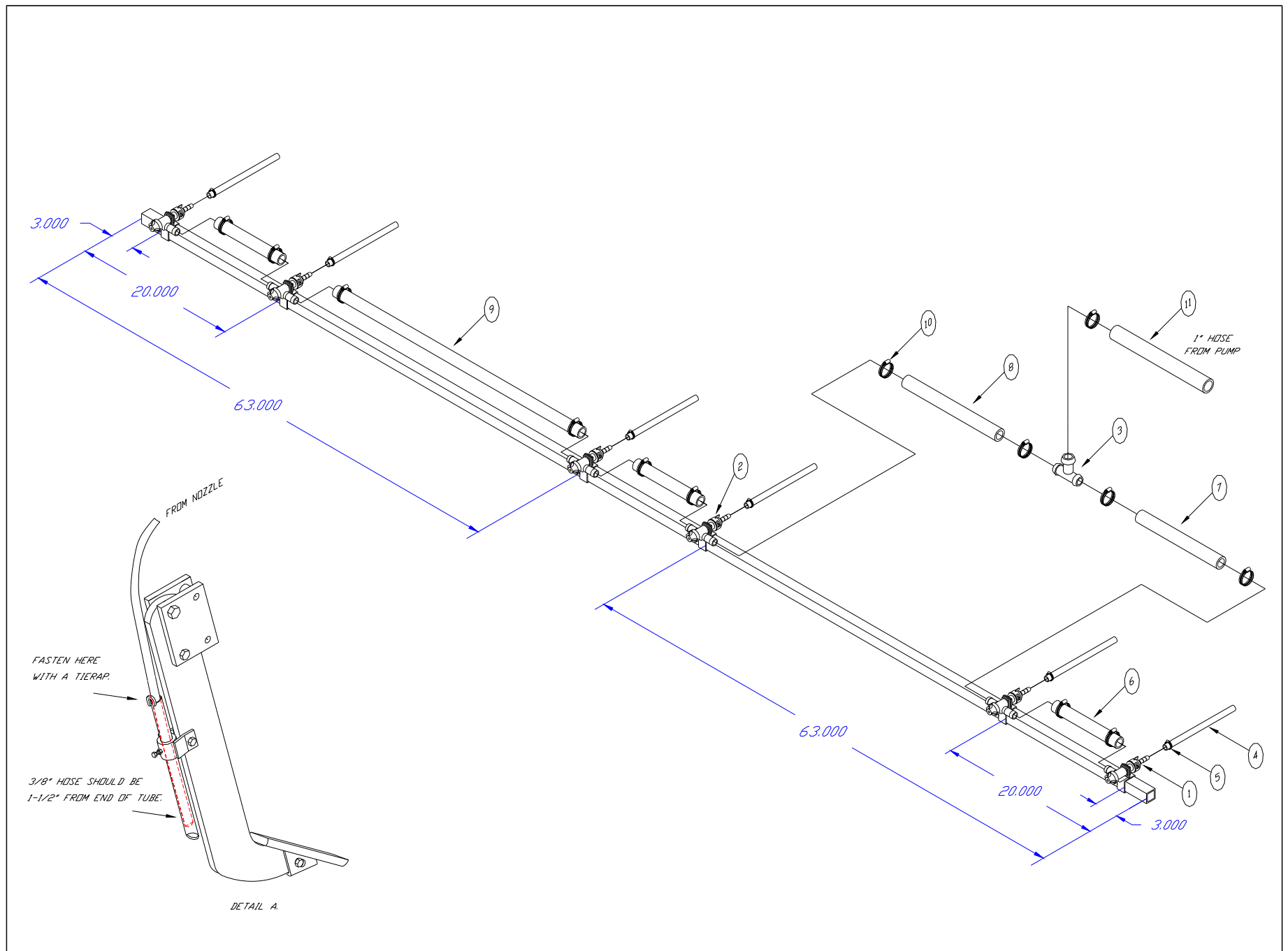




NOTES:

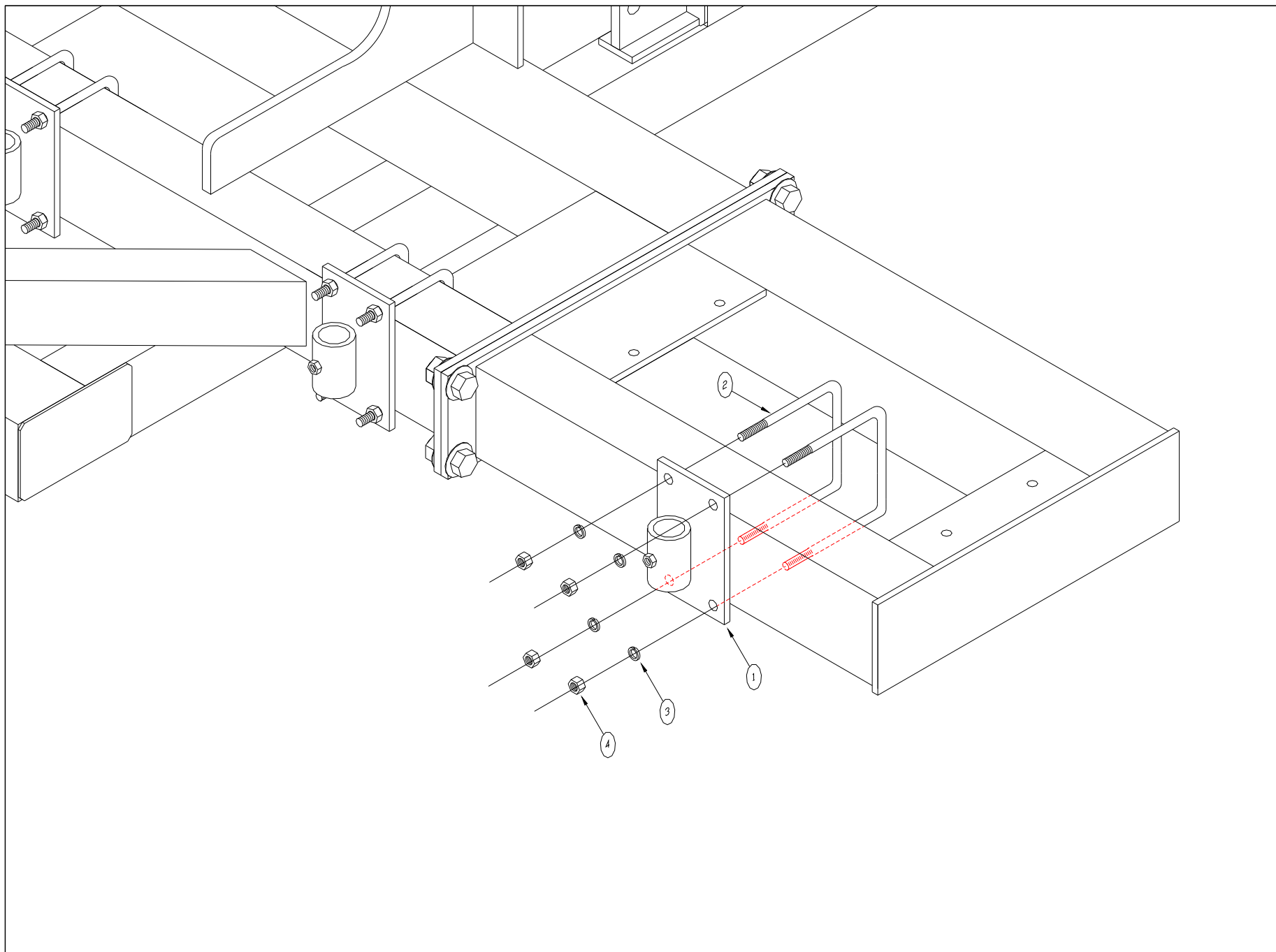
SUB-BOOM MOUNTING BRACKET
DIMENSIONS ARE TAKEN FROM THE END
OF THE SUB-BOOM TUBE AND THE END
OF THE WING EXTENSION TO THE
INSIDE OF THE SUB-BOOM MOUNTING
BRACKET.

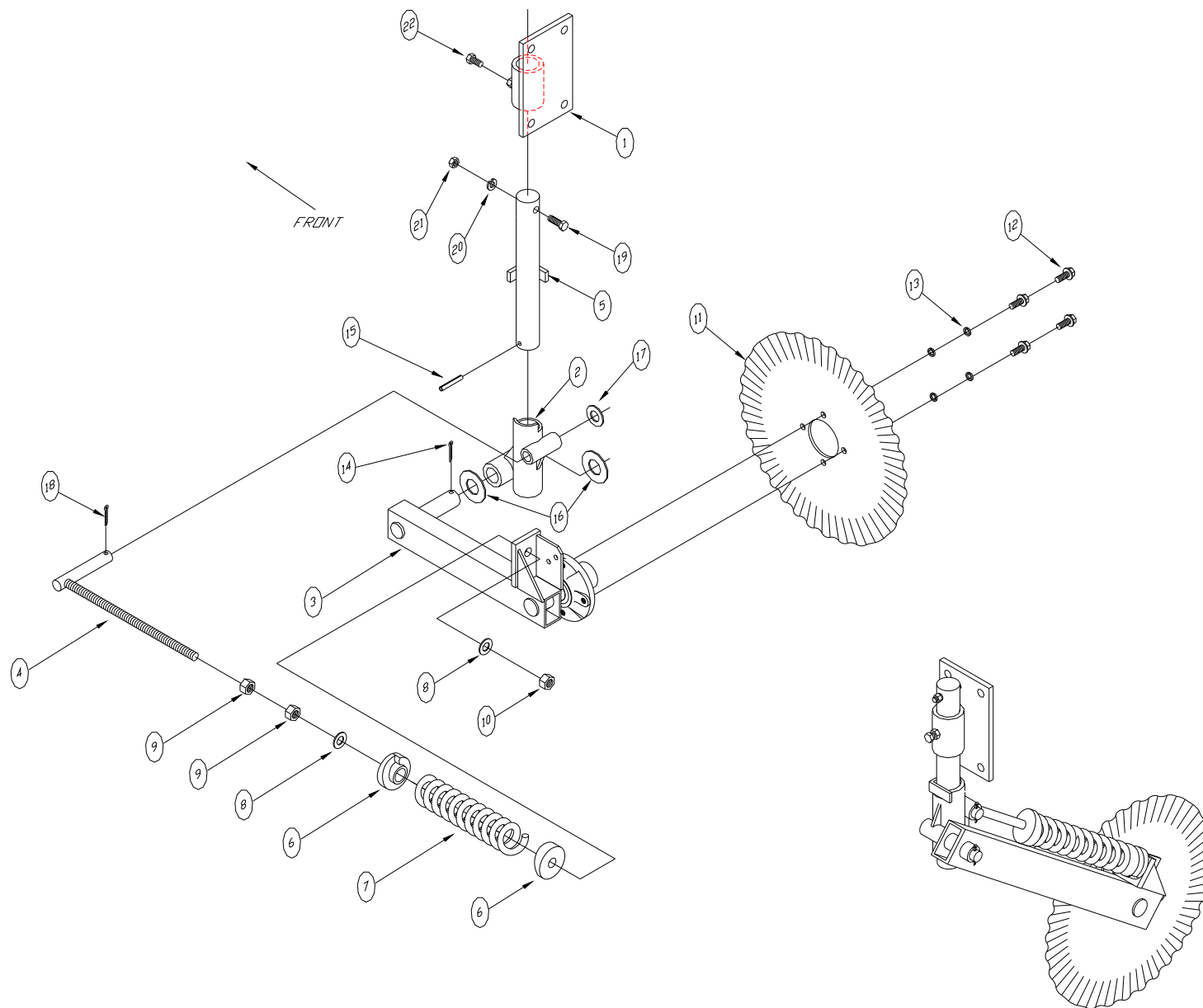
MEASUREMENTS ARE TYPICAL
FOR ENTIRE DRAWING.



NOTES:

3/8 X 66" - EPDM HOSE IS ROUTED
THRU THE INJECTION TUBE WELDMENT
ON THE DEEP RIPPER SHANK.
(SEE DETAIL A.)





SWIVEL COULTER ASSEMBLY

NOTES:

<i>ITEM</i>	<i>QTY</i>	<i>DESCRIPTION</i>	<i>PART#</i>
1	1	SWIVEL COULTER CLAMP WELDMENT	768802003
2	1	SWIVEL COULTER ARM MOUNT CASTING	450063
3	1	COULTER ARM WELDMENT WITH 4 BOLT HUB	801788
4	1	15" SPRING TENSION ROD WELDMENT	76801789
5	1	SWIVEL COULTER PIVOT ROD	768820000
6	2	SPRING RETAINER CASTING	400096
7	1	COMPRESSION SPRING	400095
8	2	3/4" FLAT WASHER - PLT	101233
9	2	3/4-10 HEX NUT - PLT	101215
10	1	3/4-10 TOP LOCK HEX NUT	101459
11	1	20" RIPPLE BLADE COULTER	400101
12	4	1/2-20 X 1-1/4" WHIZ BOLT	301193
13	4	1/2" LOCKWASHER - PLT,	101222
14	1	1/2 X 2" - COTTER PIN	101265
15	1	3/8 X 3" ROLL PIN	101425
16	2	10Ga. X 1-1/2" MACHINE WASHER	101462
17	1	10Ga. X 1" MACHINE WASHER	101435
18	1	3/16 X 1-1/2" - COTTER PIN	101246
19	1	5/8-11 X 3" - HEX BOLT - PLT, GR.5	101162
20	1	5/8" LOCKWASHER - PLT,	101223
21	1	5/8-11 HEX NUT - PLT,	101214
22	1	5/8-11 X 1" - HEX NUT - PLT, GR.5	101158