PLAY SYSTEMS, INC.®

Free-Standing Tire Swing

ASSEMBLY MANUAL

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Latest Revision: 4/1/2011

Free-Standing Tire Swing
KIT CONTENTS

COMPONENTS

Description *(Swings, Slides, Accessories)*	Qty	Check List
Tire Swing	1	_____
The Tire Swing Assembly Manual	1	_____

Description	
(Fort Hardware)	***see following pages***

Description	
(Swing Beam Hardware)	***see following pages***

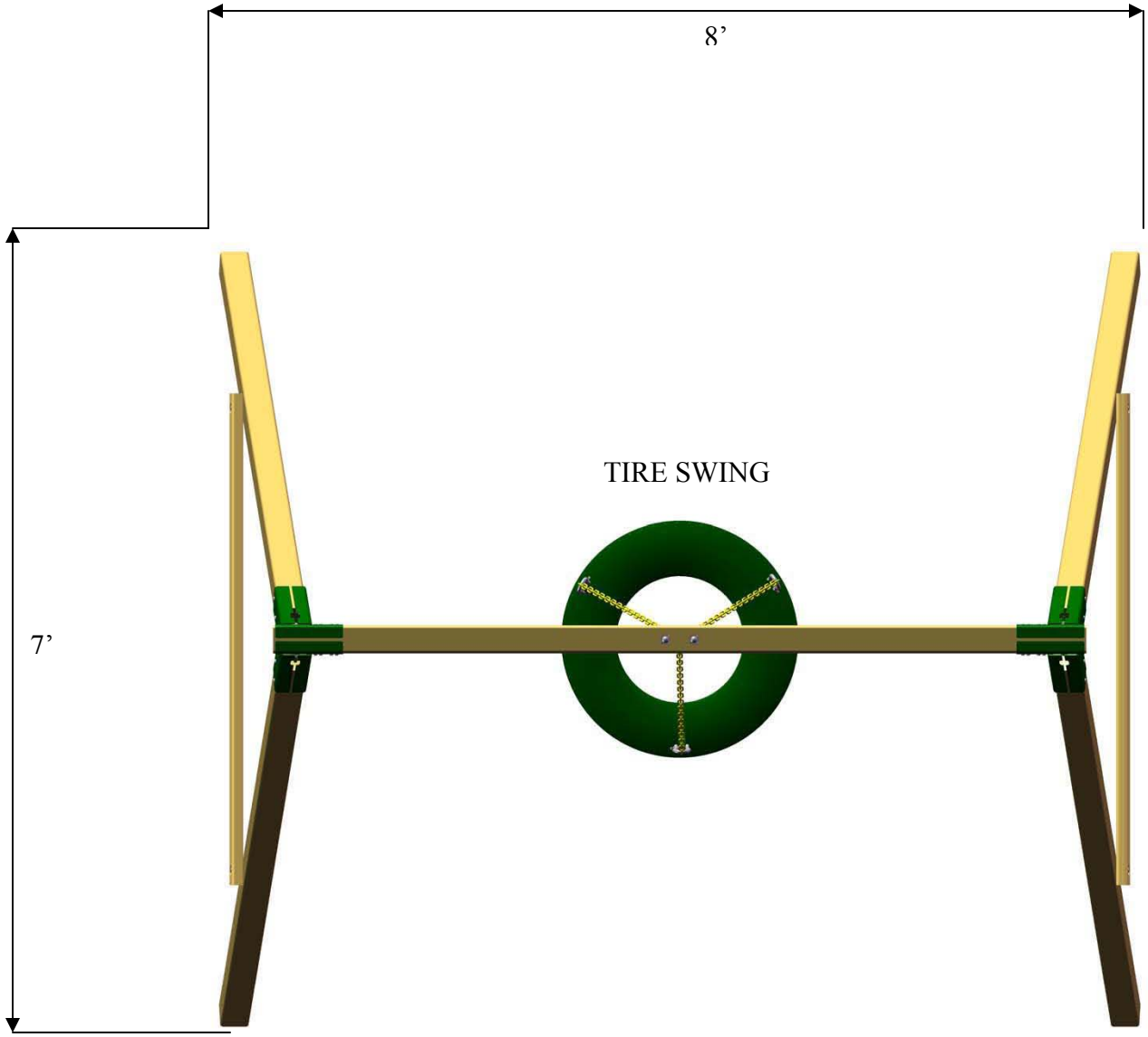
Description	
(Wood Components)	***see following pages***

REQUIRED TOOL LIST

Standard or Cordless Drill w/ Phillips Bit (#2 square bit provided)
Extension Cord (if using standard drill)
Locking Pliers (Vise Grips, For Carriage Bolts)
1/8” Drill Bit
3/8” Drill Bit
7/8” Paddle Bit
½” Wrench and Socket
½” Deep Well Socket
9/16” Deep Well Socket
9/16” Wrench and Socket
Level
Tape Measure
Hammer
Pencil
Shovel
Rubber Mallet
Shovel

Please familiarize yourself with the manual, parts/components and general construction process of your new playset before getting started.

SITE PLAN:



Playset height: 5’-6”

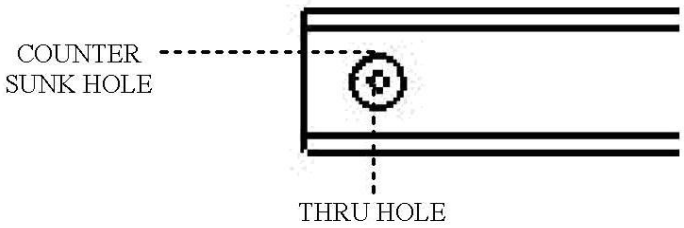
Approximate assembly time:

2-4 Hours

{ 6 foot unobstructed safety perimeter around playset recommended }

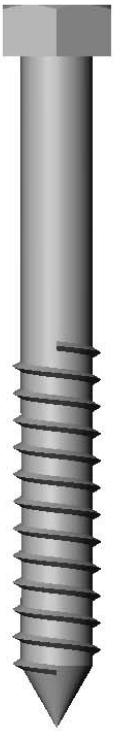
This page is a list of definitions and explanations used throughout our instructions to aid you in the assembly of your play set.

Counter-sunk holes- Many of the parts that will be used have counter-sunk holes. A counter-sunk hole is one that surrounds one side of a thru hole, but does not extend through the wood it's self. When using a counter-sunk hole the bolt will be inserted through the thru hole and either the head of the bolt and washer or nut and washer will occupy the counter sunk hole.



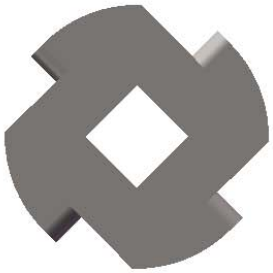
Lag Screws- Lag screws are used in the construction of our play sets to enhance the structural integrity of the unit. There will not be predrilled holes in the post for lag screw installation. Lag screws are self-tapping, though if you are using a manual socket wrench it may be necessary to tap the head of the lag screw with a hammer. You should also be sure to tighten the lags completely. Power tools such as an impact wrench or power drill should have enough torque to drive the lag screws without using a hammer, but make sure not to over tighten as this can cause the threads to "strip out" in the post.

3/8 X 3-1/2"
HEX LAG SCREW
QTY: 4



#14 X 2"
PAN HEAD SCREW
QTY:32

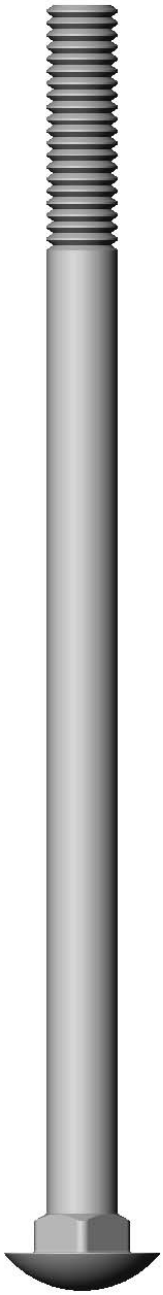
3/8" LOCK NUT
QTY: 4



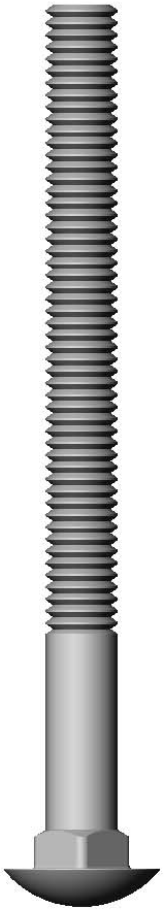
TORQUE WASHER
QTY: 2

BOLT CAP
QTY: 4

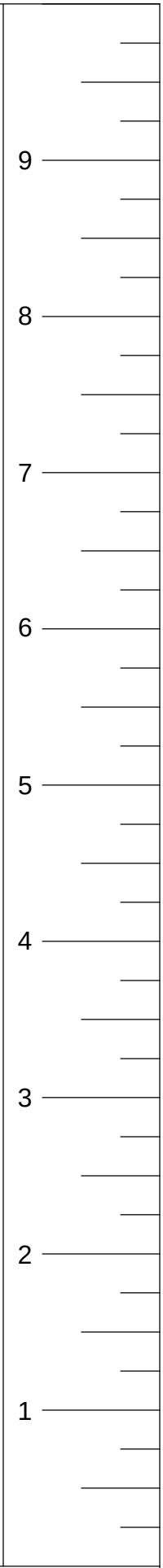
3/8" WASHER
QTY: 8



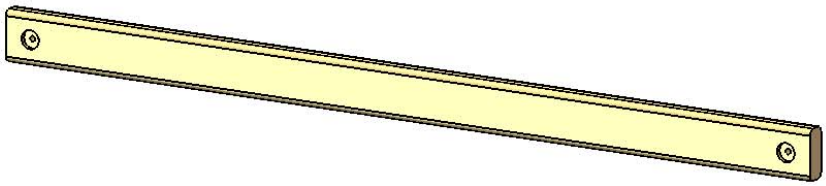
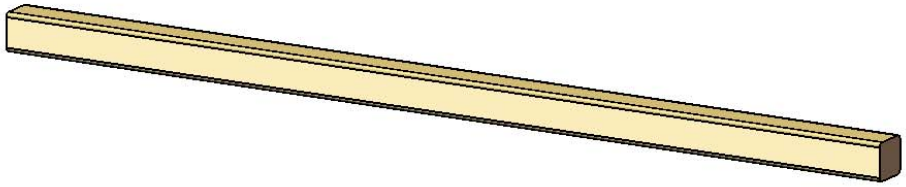
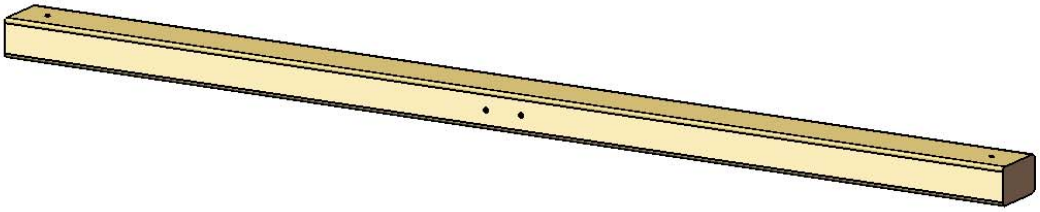
3/8 X 6-1/2"
CARRIAGE BOLT
QTY: 2

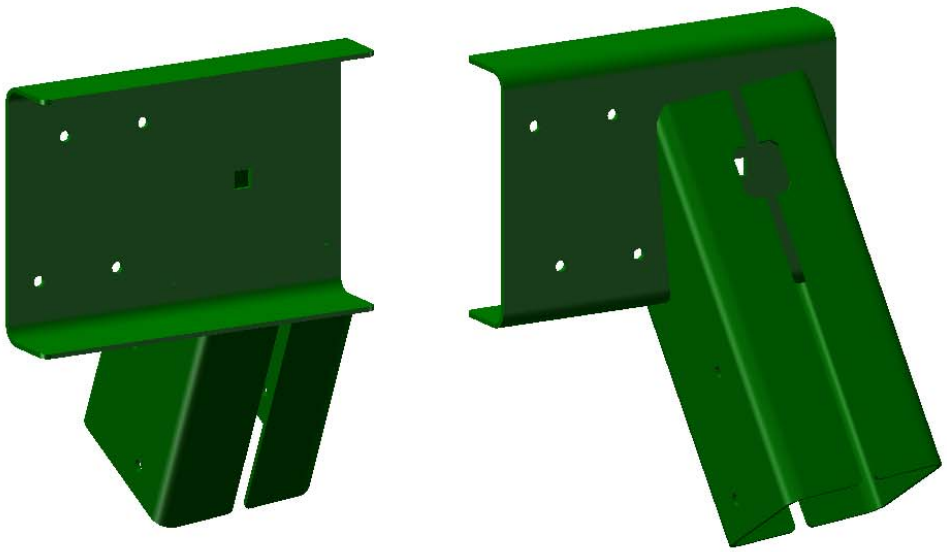


3/8 X 4-1/2"
CARRIAGE BOLT
QTY: 2



USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

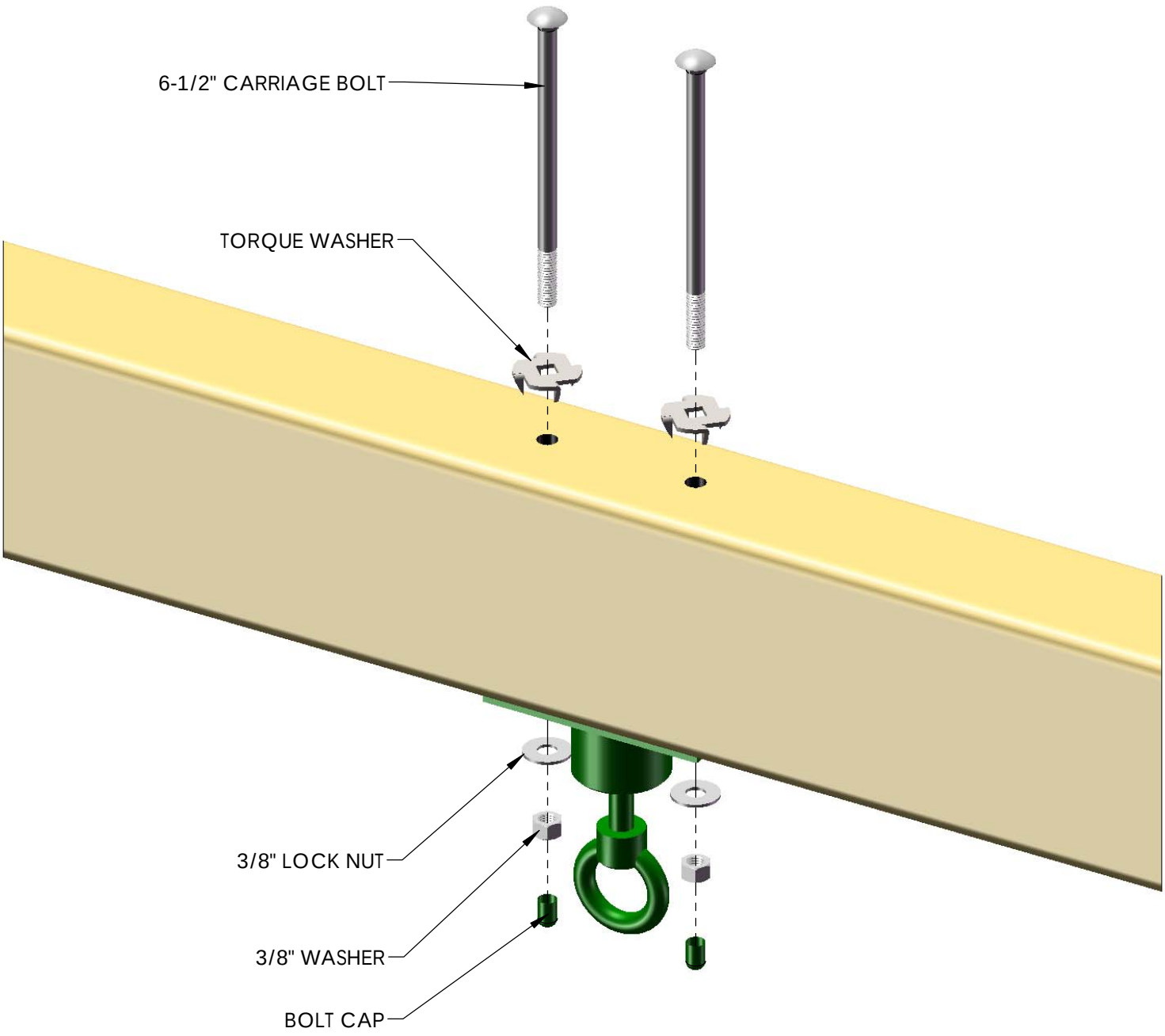
PICTURE	DESCRIPTION	QTY.
	2 X 4 X 58" SWING LEG CROSS-MEMBER	2
	4 X 4 X 84" SWING LEG	4
	4 X 6 X 96" SWING BEAM	1

PICTURE	DESCRIPTION	QTY.
	2-PIECE SWING LEG BRACKET	2 LEFT 2 RIGHT
 	TIRE SWIVEL SPRING CLIP	1 3
	TIRE SWING W/CHAINS	1

STEP 1: TIRE SWIVEL

1: LINE UP THE HOLES OF THE TIRE SWIVEL WITH THE HOLES IN THE SWING BEAM.

2: FASTEN THE TIRE SWIVEL TO THE SWING BEAM USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS ON TOP OF THE SWING BEAM, AND 3/8" LOCK NUTS AND WASHERS ON THE BOTTOM. PLACE BOLT CAPS OVER EXPOSED THREADS AFTER SECURING.



STEP 2: SWING LEG BRACKETS

1: FIND THE FOUR HALVES OF THE SWING LEG BRACKETS.

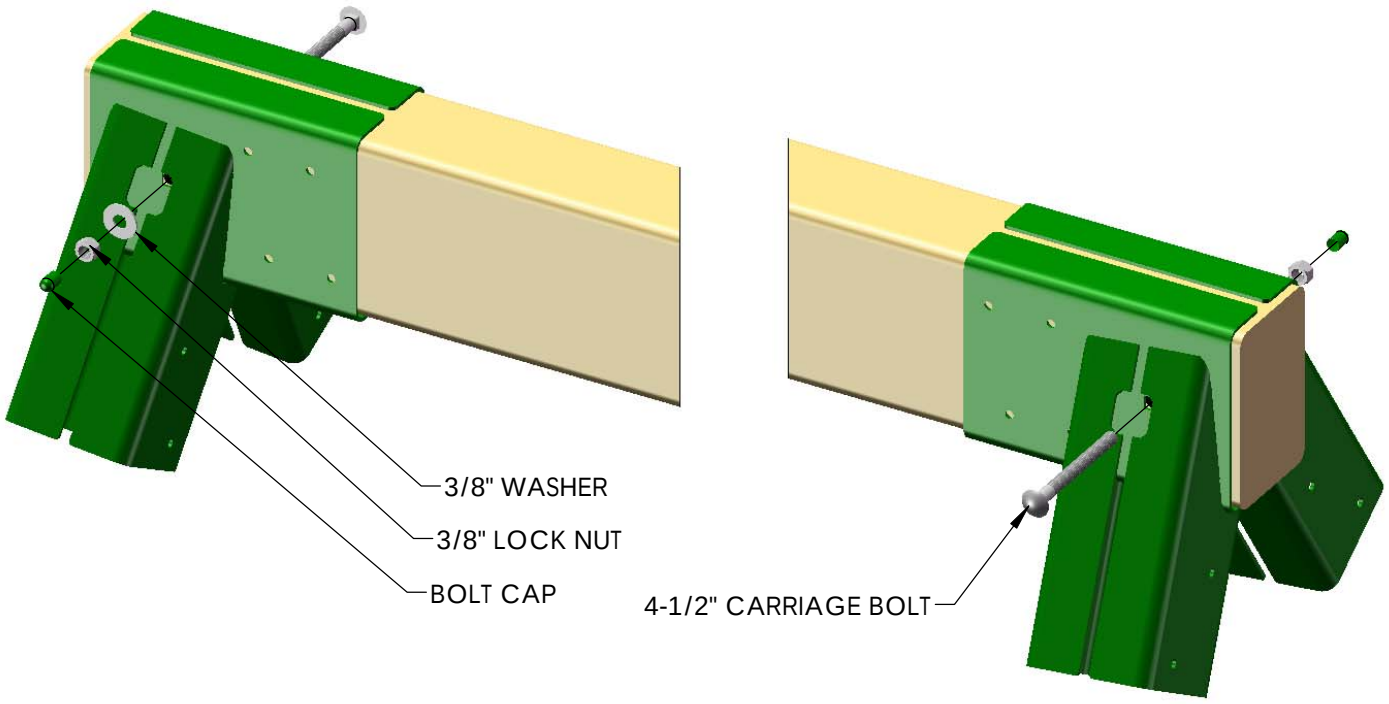
2: MATCH UP THE BRACKETS SO THAT THE HOLES FOR THE LEGS WILL ANGLE AWAY FROM THE SWING AREA.

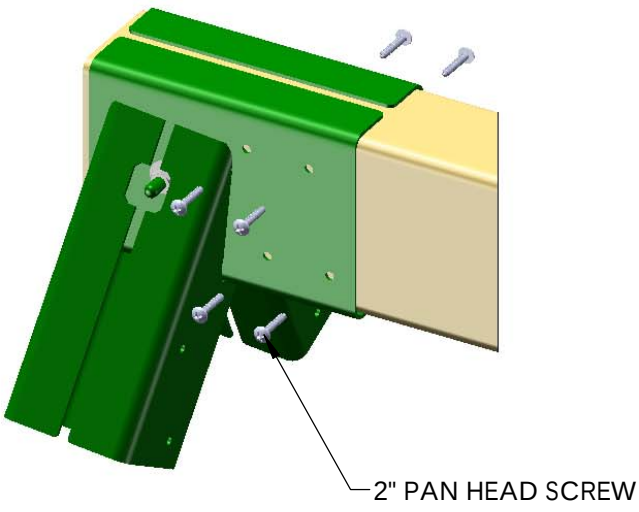
3: USE A 4-1/2" CARRIAGE BOLT IN THE SQUARE HOLE ON THE SIDE OF THE SWING LEG BRACKET. NOTE THE SQUARE PART OF THE NECK ON THE CARRIAGE BOLT. THIS WILL FIT INSIDE THE SQUARE HOLE ON THE SWING LEG BRACKET.

4: USE 3/8" WASHERS WITH LOCK NUTS ON THE OPPOSITE END OF THE SWING LEG BRACKET. YOU MAY NEED TO USE LOCKING PLIERS TO HOLD THE CARRIAGE BOLT IN PLACE WHEN TIGHTENING THE LOCK NUTS.

5: PLACE BOLT CAPS ON THE EXPOSED THREADS OF THE CARRIAGE BOLTS.

6: LOCATE THE FOUR HOLES ON THE SIDE OF THE SWING LEG BRACKET AND USE 2" PAN HEAD SCREWS IN EACH HOLE.





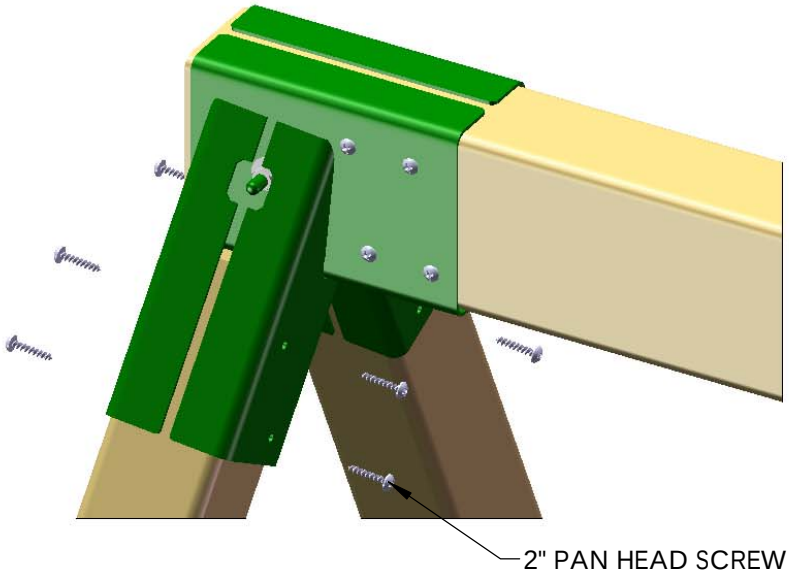
STEP 3: SWING LEGS

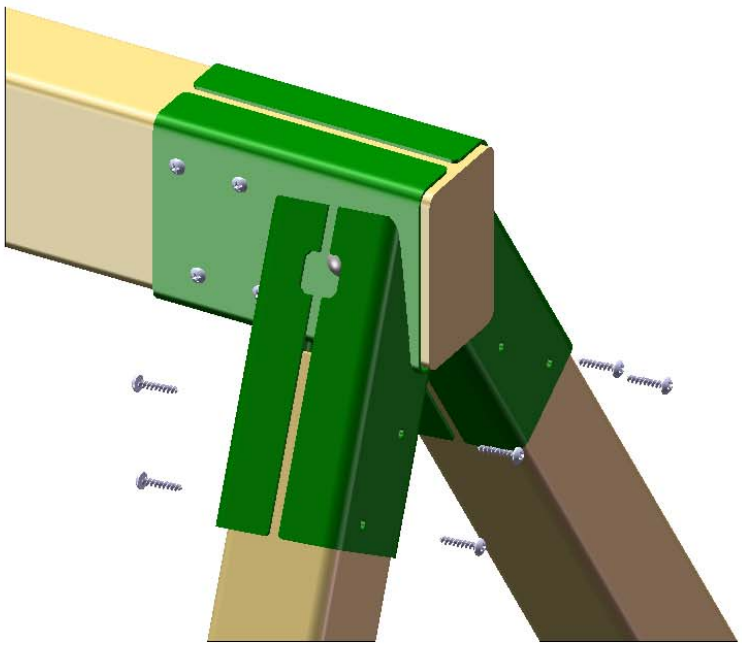
1: FIND THE FOUR 4 X 4 X 84" SWING LEGS.

2: PLACE THE LEGS IN THE HOLES OF THE BRACKET AND ALLOW THE LEGS TO GO INTO THE HOLES UNTIL THEY STOP.

3: ONCE ALL FOUR LEGS ARE IN THE BRACKETS, ADJUST THE LEGS AS NECESSARY TO LEVEL THE SWING BEAM.

4: FASTEN THE LEGS TO THE SWING LEG BRACKET WITH 2" PAN HEAD SCREWS IN THE HOLES OF THE BRACKET.

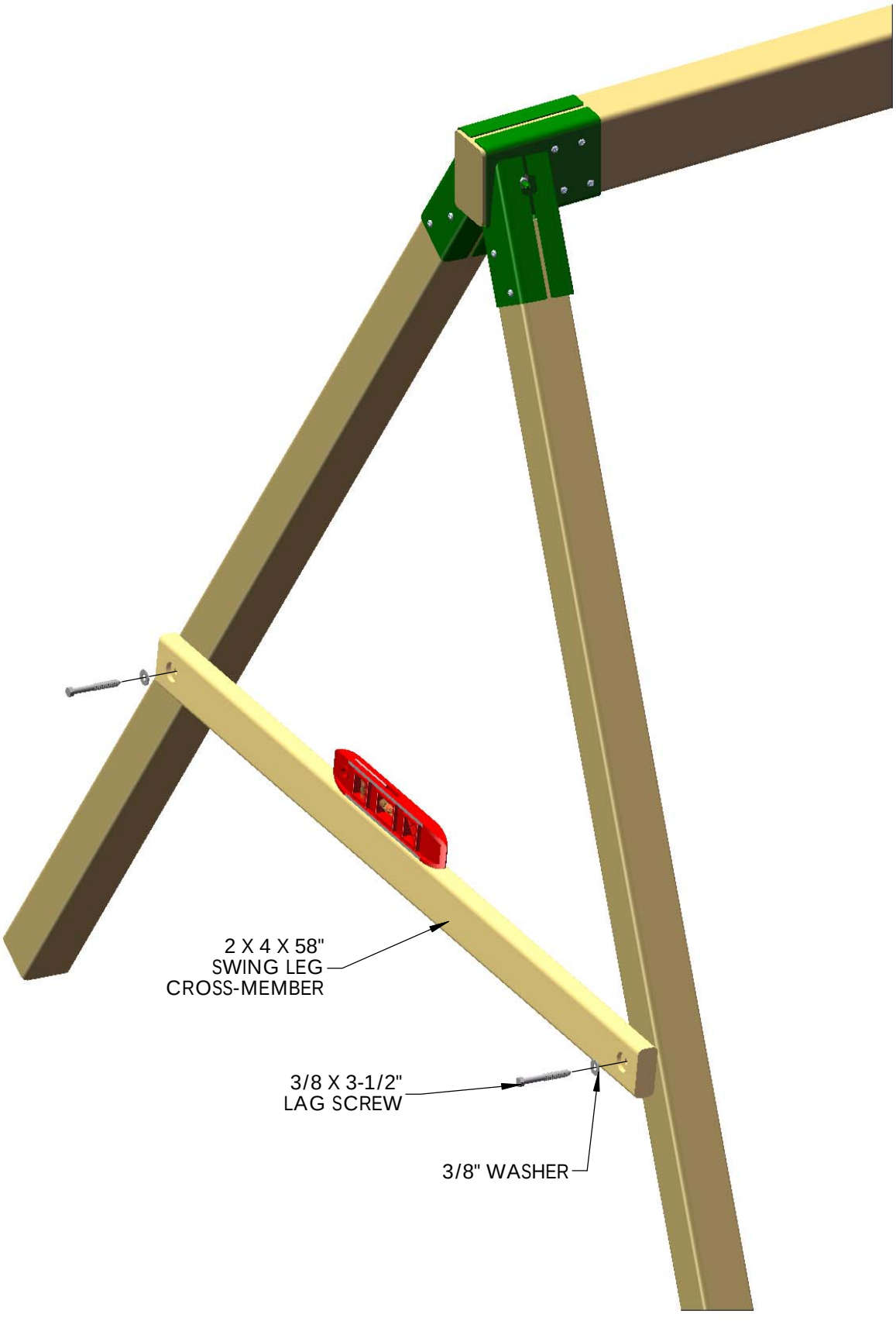




STEP 4: SWING LEG CROSS-MEMBER

1: POSITION THE 2 X 4 X 58" SWING LEG CROSS-MEMBER AGAINST THE SWING BEAM LEGS.

2: LEVEL CROSS-MEMBER, AND FASTEN TO THE SWING LEGS WITH 3/8 X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 5: HANGING THE TIRE SWING

1: CLIP EACH OF THE SPRING CLIPS ONTO THE TIRE SWIVEL, THEN CLIP ONTO THE SWING CHAINS.

2: USE THE CLIPS TO ADJUST THE HEIGHT OF THE SWING BY CLIPPING ON HIGHER OR LOWER LINKS.

3: COUNT BACK THE SAME NUMBER OF LINKS ON THE OPPOSITE SIDE TO ENSURE THAT THE SWING IS LEVEL, AND ADJUST TO FIT YOUR NEEDS.