

# ASSEMBLY INSTRUCTIONS



Lay out all pieces of your tire rack to make sure all pieces are correct. Separate all hardware.

1. On a bench, lay out Part J (Channels). Note: There is a top and bottom. The top part has four oblong holes on the sides.
2. Bolt Parts E and F between channels using the oblong holes. Part E, with the mounting holes, is the top and Part F forms the tire bumper. Use eight 5/16-18 x 3/4" bolts with hex head and washer on the inside of the channels and nuts outside. (See Figure 1).
3. Assemble Parts A - B - C\* Slide C over B. Part C is universal LH/RH. Place 5/16-18 x 1/2" bolts in C\* but do not tighten. Let this part float. Then slide Part A into Part B. Adjust to setting that fits your tire. Use a 5/16-18 x 1 1/2" bolt with a 5/16" **THIN** Nylock NUT. (See Figure 2).
4. With frame laying flat and channels up, place support assembly inside channel. With section B at the bottom, bolt together with two 3/8-16 x 2 1/2" bolts with Nylock nuts.  
**CAUTION:** Do not over tighten and crush channel.
5. Take Part D tire cross tube and slide into cross tees on both ends. Fasten with four 5/16-18 x 1 3/4" hex bolts and Nylock nuts.
6. Finally, assemble scissors support brackets. Part G will have an offset bend which will be bolted to the channel, utilizing the 3/8" diameter hole from the top. Put hex head of bolt inside channel with a washer between channel and bracket (See Figure 2).
7. Bolt Parts G and H together using 3/8-16 x 3/4" bolt with a 3/8" washer between both.
8. Bolt Part H to Boss on Support Tube B using a 3/8-16 x 3" bolt and Nylock. Place a 3/8" washer between Boss and bracket. **CAUTION:** Do not tighten scissor support hardware too snug or tire rack will not flip up freely.
9. Your tire rack is now ready to mount on your trailer or garage wall. Determine the position by locating the wall studs. This tire rack is designed to mount securely on 16" center studs in eight pieces, using 5/16" bolts or #12 stainless self tapping screws **NOT INCLUDED**.
10. To flip up and secure in 'up' position, place pin through Support Tube A and the first hole in channel top.

## ADJUSTABLE TIRE RACK PIECES

PART	DESCRIPTION	QTY PER RACK	MATERIAL	LENGTH	ADJUSTABLE TIRE RACK HARDWARE LIST:	
<b>(A)</b>	Adjustable Telescoping Support (With Weldment) LH/RH	2	1 x 1 Tube	18.000"	<b>BOLTS:</b>	
<b>(B)</b>	Hinge Support Tube	2	1 1/4 x 1 1/4 Tube	17.000"	5/16-18 x 1/2"	QTY 2
<b>(C)</b>	Tire Cross Tube Sleeve (Universal LH/RH)	2	1 1/2 x 1 1/2 with 1 X 1 Weldment	3.000"	5/16-18 x 3/4"	QTY 8
<b>(D)</b>	Tire Cross Tube	2	1 x 1 Tube	47 3/4"	5/16-18 x 1 3/4"	QTY 4
	48" Tire Rack	2		63 7/8"	5/16-18 x 1 1/2"	QTY 2
	64" Tire Rack	2			3/8-16 x 3/4"	QTY 4
<b>(E)</b>	Wall Cross Tube - Top	1	1/2 x 1 1/2 Rect. Tube	46 1/8"	3/8-16 x 2 1/2"	QTY 2
	48" Tire Rack	1	with 2-1" holes	62 1/8"	3/8-16 x 3"	QTY 2
	64" Tire Rack	1			<b>NUTS:</b>	
<b>(F)</b>	Wall Cross Tube	1	1/2 x 1 1/2 Rect. Tube	46 1/8"	5/16-18 Nylon Lock Nuts	QTY 12
	48" Tire Rack	1	Weldment	62 1/8"	5/16-18 Nylon Lock Nuts (Thin)	QTY 2
	64" Tire Rack	1			3/8-16 Nylon Lock Nuts	QTY 8
<b>(G)</b>	Top Scissors Support Bracket Formed	2	1/8 x 1	16"	<b>WASHERS:</b>	
<b>(H)</b>	Bottom Scissors Support Bracket	2	1/8 x 1	12"	5/16"	QTY 8
<b>(J)</b>	Wall Channel	2			3/8"	QTY 6
					<b>PLASTIC PLUGS:</b>	
					1 x 1 Tube .07	QTY 2
					2 1/4" Snap Pins	QTY 2

# PIT PAL PRODUCTS

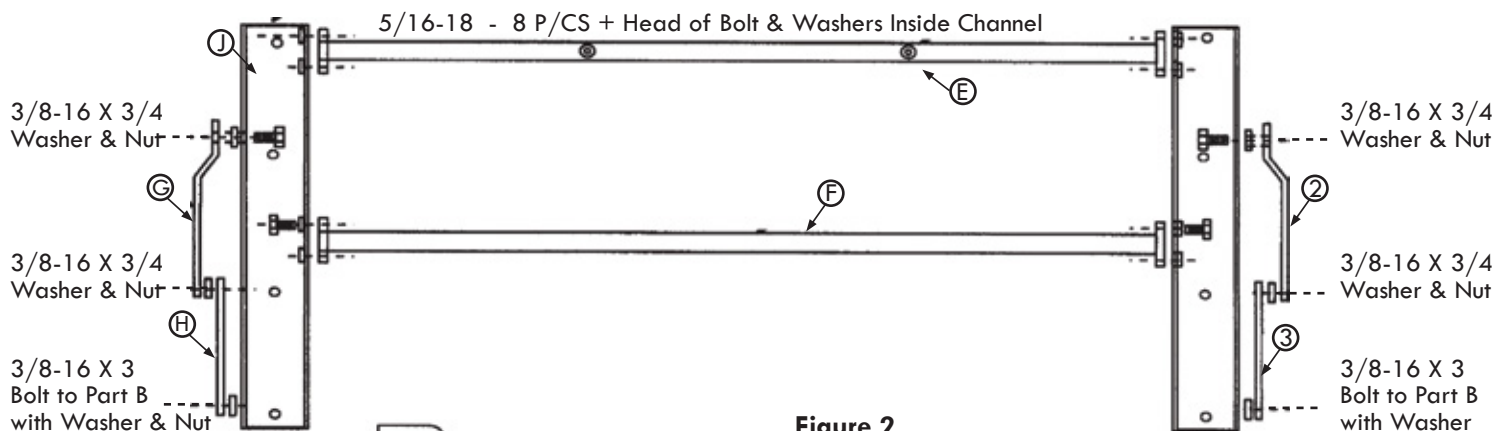
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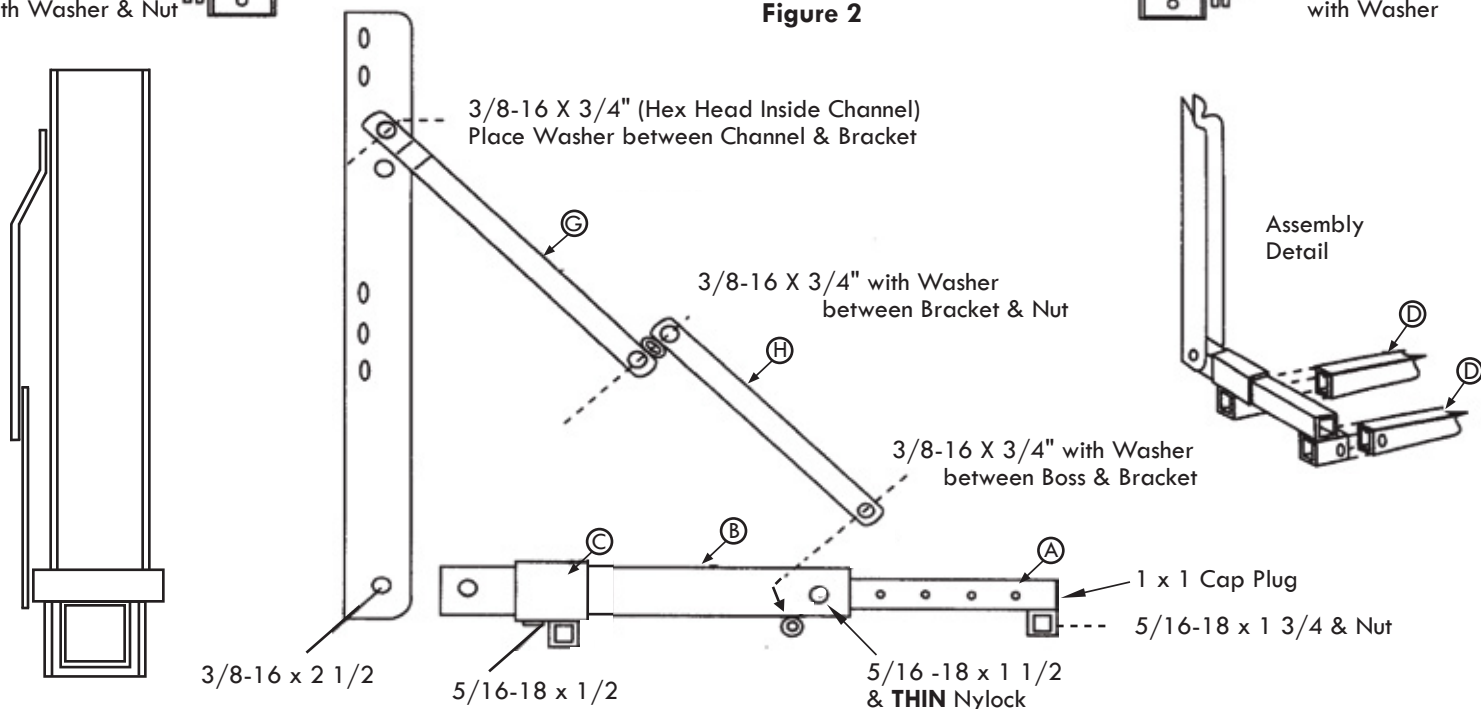
## **Installation Instructions for #294 48" Adjustable Tire Rack Installation Instructions for #295 64" Adjustable Tire Rack**

**Using components and fasteners, assemble carefully using these instructions and mount on trailer or garage wall, using 5/16" bolts (not provided). Design allows for mounting on 16" centers, to align with vertical studs in wall. This design also allows you to add on to the tire rack by purchasing our Tire Rack Extension KitS, Part #294E OR #295E. More assembly instructions on reverse side.**

**Figure 1**



**Figure 2**



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