



Tire Carrier Installation Guide

Kit Contents

Quantity	Item
1	Tire Carrier
2	Bushings - Brass Graphite Impregnated
1	Nylon Resting/Rising Pad
2	Bolts - 1/4"-20 x 1" Stainless Steel Counter Sunk (For Nylon Pad)
1	Spindle Bolt - 3/4"-Fine Thread x 1-3/4" Socket Head Bolt (For mounting Tire Carrier to Spindle)
1	Washer - 2-1/2" Diameter x 1/4" Thick
1	Washer - Brass
1	Wing Nut - 3/4" Coarse Thread
1	Plastic Cap (For Lower Driver's Side of Tire Carrier)



Kit Hardware



Safety Precautions

- *Always* wear safety glasses.
- *Always* remove rings and other jewelry.

Tools Needed

- Basic Hand Tools
- Large C Clamp OR Dead Blow OR Shop Press
- Thread Chaser – 1/4"–20



Installation

Apply Finish To The Tire Carrier

1. Our photos show the carrier in bare metal. It is best to finish the carrier with paint or powder coat before you install it. (Don't forget to finish the wing nut.) Before you apply finish:
 1. Mask off the spindle and the inside of the spindle sleeve.
 2. Insert two zinc 1/4-20 bolts partially into the Nylon Resting/Rising Pad mounting holes.

Install Brass Bushings Into Sleeve

1. Prep sleeve by sanding the inside with fine emory cloth to remove any contaminants. Spray with brake parts cleaner and wipe clean.
2. Start each bushing into the sleeve by tapping with a dead blow hammer. (Protect the end of the bushing with a block of wood.) Make sure the bushings are square to the sleeve.
3. Drive the bushings completely into the sleeve. (Protect the end of the bushing with a block of wood.) There are several ways to do this:



Brass Bushings in Sleeve

1. Use a large C clamp.
2. Use a shop press.
3. Stand the tire carrier upright, and use a dead blow hammer.



Installation

Install Nylon Resting/Rising Pad

1. There are two tapped holes on the driver's side of the bumper. These may need to be chased if your paint or powder coat has gotten into the threads.
2. Use the two stainless 1/4"-20 x 1" bolts to install the pad.

Install Carrier Onto Spindle

1. Place the carrier over the spindle. No grease is needed.
2. Install washers onto the Spindle Bolt.
 1. The brass washer goes on the bolt first.
 2. The 2-1/2" x 1/4" washer goes on next.



Washers on Spindle Bolt

Installation

3. Install the Spindle Bolt.

1. Use thread locker. Be generous with it.

2. Tighten the Spindle Bolt.

1. There is no torque spec.

2. Tighten the bolt until snug. Then, tighten 1/2 turn.

1. Rotate tire carrier to check for desired friction and lack of slop.

2. Continue tightening 1/2 turn at a time and checking rotation until you've got it how you want it.

Install the Wing Nut



Install the Plastic Plug



You're done!



Thank You

Thank you for purchasing a Throttle Down Kustoms Tire Carrier. This product is for off-road use only. We are not liable for improper use or installation. If you have any questions about the installation, please contact us.



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