



Tire Carrier Installation Instructions Cherokee XJ DGO 4000

Please read ALL instructions before installation

Parts List:

- (1) Tire carrier main component
 - (1) Tire pedestal
 - (1) Tire carrier stud mount
 - (3) Wheel studs
 - (3) 3/8" x 3" bolts with nuts and lock washer
 - (2) Precision bronze bushings (already installed)
 - (1) Needle thrust bearing
 - (2) Needle thrust cage assemblies (flat washers)
 - (1) 1" Hardened flat washer, zinc coated yellow
 - (1) 1" x 6" Socket head Allen drive shoulder bolt
 - (1) Handle and latch mount (bolts to bumper, pre-assembled)
 - (4) Belleville washers (on handle and latch assembly, pre-assembled)
 - (1) 1/2" Flange style top lock nut (on handle and latch assembly, pre-assembled)
 - (2) 3/8" x 1" Button Head
 - (1) Grease zerk fitting
 - (1) 5/16" ball loc pin (to hold tire carrier open)
 - (1) 3/4" hex bar (included) can be used with a 3/4 socket as a substitute for a hex drive socket
1. Apply a coating of grease on bearings, bushings and bolt.
 2. Set tire carrier on bumper and drive the 1" Allen head bolt through the bushing assemblies as follows: zinc coated case hardened washer on top of the hinge tube, drive the bolt through tire carrier and bushings (they're very tight) then the needle bearing with a cage (washer) on each side. **Caution!** Make absolutely certain that the bronze bushings protrude out of the bottom of tire carrier pivot 5/16". Bushings must not pinch the needle

bearings and bearing cages before threading the bolt in place. Any powder coat, corrosion, or debris will interfere with tolerances if bolt hole in bumper is not properly cleaned, prep'd and lubed before installation.

3. Tighten with 3/4" Allen drive socket. Bolt tightens into a pinch type lock nut. Bolt will begin to tighten as it enters pinch threads. Continue tightening to create a slight drag on the swing arm.
4. Handle and latch is pre-assembled using Belleville washers to permit the handle to be lifted about 5/16" over the safety catch to open and close. **Do not over tighten.**
5. Mount pedestal to tire carrier using (3) 3/8" x 3" Allen drive bolts, lock washers and nuts. Install bolts from the back side. (Pedestal has welded-on angle with long slots)
6. Press lug nuts into wheel stud mounting plate. Mount stud plate to pedestal using (2) 1/2" x 1" bolts, lock washers and nuts. When properly installed the tire should be firmly compressed against the tire carrier with no gap between tire and carrier.
7. Mount latch plate/handle to bumper using 3/8"x1" button head bolts, lock washers. **Do not tighten completely yet.** Close tire carrier with handle latched in proper position. Adjust male part of latch on the end of the tire carrier swing arm with adjusting screw and then tighten the set screw. The latch mounted to the bumper has slotted holes to allow sideways movement for final adjustment. When properly adjusted the latch will operate with fingertip ease and have absolutely no rattles. Tighten bolts.
8. Install zerk fitting. Lube with high grade water repellent grease. Carrier should have some drag when opening and closing and have no up or down movement at the hinge.

Questions? Call us toll free at 1-888-259-8676 or email info@durango4x4.com