

INSTALLATION INSTRUCTIONS:

#HC4980 Rear Bumper and Tire Carrier System



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Knoxville, TN 37921

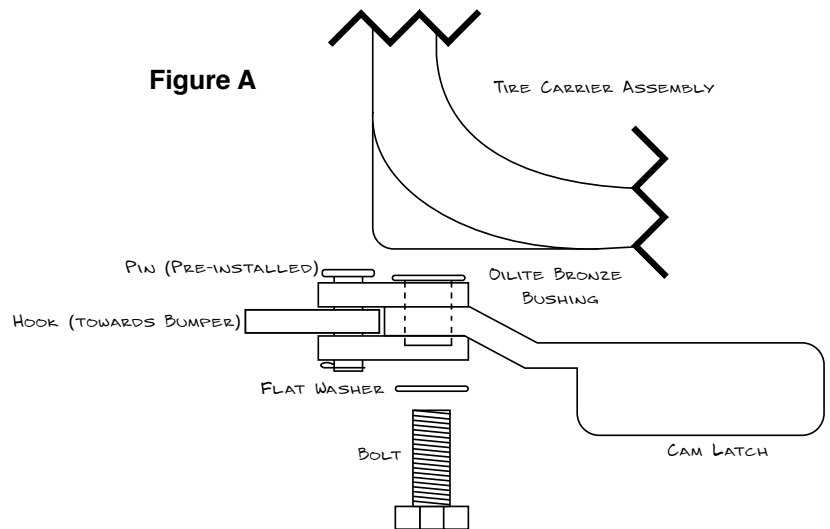
CONTENTS:		2	5/16" Fender Washers
1	Bumper	1	Bumper Bushing
1	Tire Carrier	1	4" pc. Welting
1	Jack Retention T-handle & Wingnut	1	Short Pivot T-Handle
1	5/8" x 8" NC GR 5 Bolt	1	Long Pivot T-Handle
1	5/8" Nyloc Nut		
2	5/8" USS Flat Washers	<u>Below are part of HC49 Package:</u>	
2	1/2"-20 Lug Nuts	6	1/2" x 1 1/2" NC GR 5 Bolts
2	1/2"-20 Wheel Studs	6	1/2" Nyloc Nuts
1	5/16"-18 X 1" Slotted Truss Bolt	13	1/2" Flat Washers
1	5/16" Nyloc nut	2	9/16" GR8 SAE Washers

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Test fit all parts on your Bronco before painting or powder coating .

Read through all instructions before beginning.

1. Use the 5/16" X 1" Slotted Truss Bolt, Fender Washer and 5/16" Nyloc nut to attach the Bumper Bushing to the new bumper. The mounting hole is to the right of the center of the bumper.
2. Remove existing bumper and attaching hardware. Inspect frame rails and make any repairs, including rust removal and painting as necessary. Test fit bumper to verify frame horn fitment.
3. Mount Bumper Using the supplied attachment hardware.
4. Align the stock bumper holes in the frame with the holes in the new Bumper. Note that in addition to the stock bumper holes, the mounting brackets also align with an additional hole (located on the top frame rail just forward of the stock hole) for improved strength. Secure all top and bottom holes with the 1/2" bolts, nuts and washers provided.

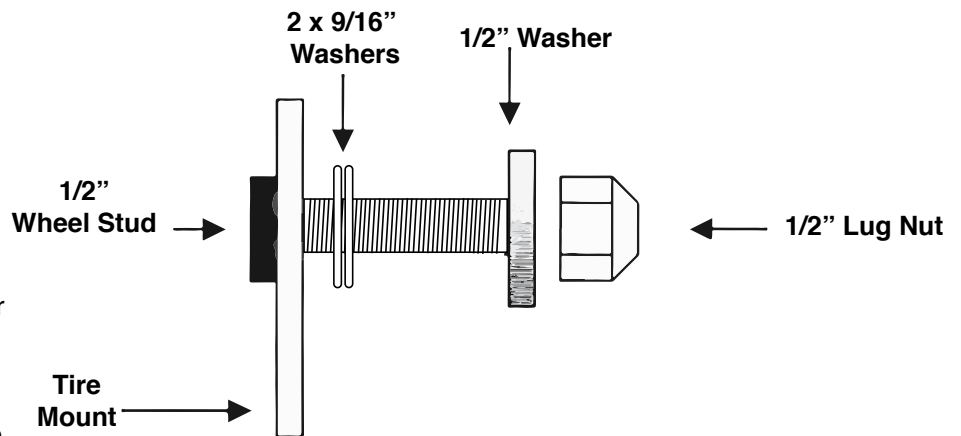
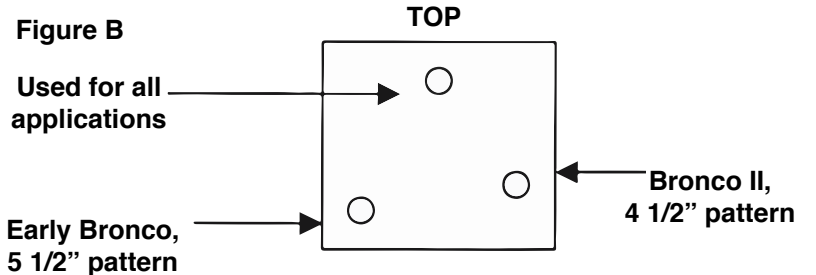


5. Install the cam lock on the tire carrier - Use **Figure A** to install. Bolt will require a wrench to tighten.

6. Position the Tire Carrier into the pivot mounts on the bumper so that the hole in the bushing sleeve aligns with the top and bottom holes. Feed the 5/8" x 8" Bolt from the bottom with a washer all the way up through the holes on the pivot.

7. Close the tire carrier and secure with the cam lock. Verify there are no fitment issues before proceeding to the next step.

8. Refer to the **Figure B** to ensure correct wheel stud placement. The tire carrier mounts is designed to fit two wheel stud patterns. The top hole is used for all wheel applications. The lower holes are to accommodate two wheel sizes, 5 1/2" and 4 1/2", refer to the diagram for application. Place a wheel stud through the back of the mounting plate in the top hole. Place the two



9/16" washers on the stud, next place the 1/2" washer over the stud on top of the nut, then tighten the lug nut by hand with the flat side on the washer, see **Figure B**, As the lug nut is tightened, it will pull the stud through the mount. Be careful not to overtighten the lug nut as this will cause damage to the threads. Repeat the procedure for the second wheel stud. The studs will have a small gap under the head, this is normal.

9. Now go back and put the 5/8" Nyloc Nut and 5/8" washer on the Pivot mount bolt.

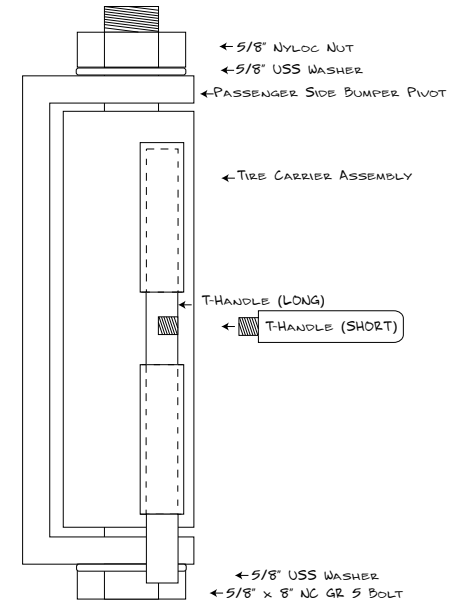
10. A mounting pad is built into this carrier that is designed for Hi-Lift brand Jacks. To utilize this feature, place your jack base on the flat horizontal plate on the carrier and align one of the holes in the jack frame with the hole in the upper mounting tab. Secure with the T-handle & wing nut provided. We recommend using some sort of rubber or foam pad on the jack base plate to prevent scratching the finish and introducing rust into the bumper. If you use thin layers of material you can use this to slightly adjust the height of the jack if the holes in the jack do not line up with Jack Retention T-handle.

11. Press the 4" piece of Welting onto the back of the cam lock latch handle. This will protect the bumper and handle from scratching each other.

12. Now that all parts are test fitted you can, you can go ahead and pull it all back apart, coat the parts & do the final assembly. Be sure to install the two piece t-handle on the pivot assembly of the tire carrier as shown in **Figure C**. Be sure to check all mounting hardware after test drive and every oil change and off-road trip thereafter.

NOTE: WE STRONGLY RECOMMEND USING BLUE LOCTITE ON THE T-HANDLE STUD

Figure C



#4964/4965 Heavy Duty Stock Bumper Tire Carrier



#9580 Trail Sac



#4989 Rito's Rack / Tailgater Cooler Rack



#4981 / 4982 Cooler Rack / Can Rack



#5902 Hub Locking Tool

LIMITED WARRANTY

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