

# Wheel Adapter Kit (Part # P107C)



## Installation Instructions

### Requirements:

Use standard (stock) Jeep rims with Axle-less. Ensure that they meet the following specifications: 17 to 20 inch (nominal) diameter, with 5 holes on a 5.0" (or 139.7mm) B.C. (pattern), and a positive offset of approx. 1-3/8" to 1-3/4" inches (typically +35mm, +37.17mm, or +44.45mm). Make sure they can be installed with M14x1.5 (metric) lugnuts.

Use only short outboard arms (regardless of the width of your tire); otherwise, excessive load will be imposed on the suspension, bushings, bearings, as well as your trailer frame, etc. resulting in the voiding of your warranty. Also remember that (irrespective of the capacity of your axle-less suspension) your trailer axle rating will be limited to 2500 lbs. or the load rating of the two Jeep wheels combined, whichever is a lesser value.

### Procedure:

1. Note: Installing Wheel Adapter requires assembling two matching adapters together (per side or per wheel): Hub-Side Adapter (or Part A), and Rim-Side Adapter (or Part B). Check the box and make sure you have received all 4 pieces including fasteners.
2. Collect the following tools:



- A torque wrench with 1/2" drive
- 13/16" SAE socket, (thin wall with 1-1/8" OD max)
- 17mm socket (11/16" SAE might work as well)
- 3/8 Hex Bit socket

3. Place Part A on your 6 on 5.5" lug hub as shown.



4. Install supplied lug nuts. Tighten until snug on crisscross pattern. Using another set of wrench, hold hub to prevent it from turning. Torque lug nuts in crisscross pattern to 100-110 ft-lbs.



5. Pre-Assemble 5 supplied lug bolts to Part B as shown. Torque them to 70-90 ft-lbs.



6. Position Part B on Part A.



7. Find the two little arrows and align them together. That will align mounting holes.



8. Install 6 supplied Socket Head Cap Screws using 1/4" Allen key.



9. Using another set of wrench, hold hub to prevent it from turning. Torque cap screws in crisscross pattern to 90-100 ft-lbs.



10. Install Jeep wheels. Ensure rim has between 35mm to 44.45mm positive offset.



11. Torque all 5 wheel lugnuts (not supplied by Timbren) as per OEM recommendations.

