

# THE ROBERT AXLE PROJECT

Our story is one of those “started in the garage” stories, as we sought a solution to a problem that we discovered when we tried to attach trailers to our own bikes.

Our mission is to provide the highest quality products that allow families, adventurers, commuters and recreational riders to enjoy traveling by bicycle.

Our vision is for everyone to experience adventures big and small. We believe that the bicycle is not just a two-wheeled vehicle, but also a tool for you to explore your community, your country, or the whole world.

We understand there are two priorities for you. Our product must provide a seamless fit between your beloved bike and your precious cargo. And it must be durable and secure to bring you home from your adventures, whether around town or around the world. We do not accept any compromises in safety or fit of our products.

Our products are designed, tested and manufactured in the USA.

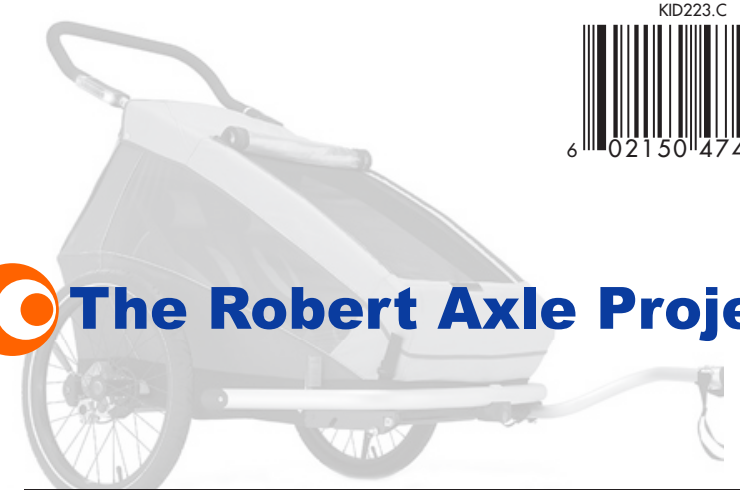
Share the bike love!

Send us photos and stories of your adventures.

Follow us and tag #robertaxleproject:



[www.robertaxleproject.com](http://www.robertaxleproject.com)



## Kid Trailer 12 mm Thru-Axle

### Part Number

### Description



KID223.C

Cervelo with R.A.T. 12x142  
(includes derailleur hanger)



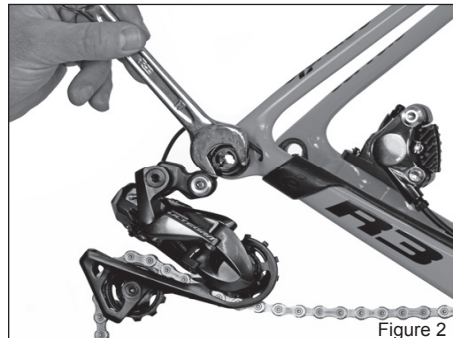
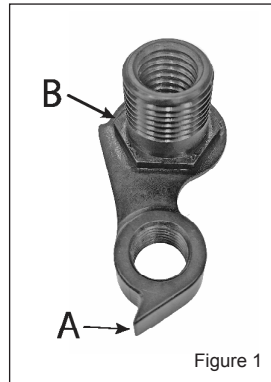
# INSTALLATION INSTRUCTIONS: KID TRAILER THRU AXLE for CERVELO BIKES WITH R.A.T.

## **Tools required:**

- Torque wrench
- 17 mm open-ended wrench
- 5 mm hex key for torque wrench
- Grease

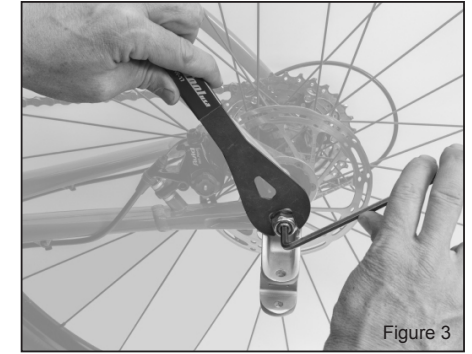
## **Install your Robert Axle thru axle on your Cervelo R.A.T. bike**

1. If you are not comfortable working on your bike and installing this axle, then please consider taking it to your local bike shop.
2. With your bike in a stand, remove your stock rear thru axle.
3. Remove rear wheel.
4. Note the position of the derailleur and how it fits with the tab on the derailleur hanger. (Figure 1-A)
5. Remove derailleur from the derailleur hanger, usually done with a 5mm hex wrench. Leave the cable and all settings intact.
6. Using a 17 mm open-end wrench, remove the hanger fixing nut from the outside of the frame on the derailleur. These are threaded with traditional right-handed threads so turn it “lefty-loosey.” (Figure 2)
7. Replace the R.A.T. derailleur hanger with the Robert Axle Project hanger. Lightly grease all threads, internal and external. Note the hanger has a hex shape that mates into the inside face of the frame. (Figure 1-B)
8. Install the stock hanger fixing nut on the Robert Axle Project hanger. Ensure hex fits into the frame while tightening the nut to the hanger to 8 N\*m.
9. Reinstall derailleur to derailleur hanger. Pay attention that derailleur is properly seated against the B-screw stop. (Figure 1-A)
10. Apply a light layer of grease to the threads, shaft and end of the Robert Axle.
11. Align rear wheel in the dropouts and install the axle. Start by hand tightening the axle to make sure the threads are engaging. Lightly secure the axle to about 6 N\*m, to ensure proper fit of wheel, derailleur and hanger.
12. While the bike is still in the stand, spin the pedals and run the rear derailleur through all the gears. With a properly installed derailleur hanger, there is no need to adjust the derailleur.
13. Insert a 5mm hex key torque wrench into the Robert Axle end, and tighten axle to 12 N\*m. **Do NOT over tighten.**



## **Fitting the hitch:**

1. Place the “hitch” provided with your trailer on the threaded stud on the disc brake side of the Robert Axle.
2. **With a 5 mm hex wrench in the Robert Axle end cap, hold and prevent axle from being over tightened as you use a 17mm wrench to tighten hitch against axle. Tighten hitch to axle at 12 Nm. DO NOT over-tighten axle in to frame. (Figure 3)**
3. Follow your trailer manufacturer’s directions for securing trailer to the hitch, including the safety strap provided with trailer.



**Always double-check your torque settings and the snugness of your wheel before every ride.**

## **▲ WARNING ▲**

- Your Robert Axle must be properly installed with a torque wrench before operating a bicycle and trailer. Proper installation to specified torque values is important to ensure safe use of this axle. If you do not have access to a properly calibrated torque wrench, please have your local bike shop install the axle for you.
- Always follow the limits, instructions and warnings provided by the manufacturer of the trailer you are attaching to your Robert Axle.
- Check all torque settings and inspect all parts before each use.
- Never exceed your trailer manufacturer's weight and speed limits for your trailer.
- Robert Axles must only be used when accessory is attached. Do not use a Robert Axle on your bike without the attached trailer. Wider axles can strike trailside objects, providing unnecessary risk of personal injury or death.
- Understand that the sport you choose to pursue has risks. When using a Robert Axle in your bike you are accepting the responsibility to ensure they are properly installed and maintained.

## **ROBERT AXLE LIMITED WARRANTY:**

Robert Axle Project warrants each product it manufactures to be free from defect in material and workmanship for the purpose it was intended to the original purchaser for the duration of one year. Your original dated sales or delivery receipt showing the date of purchase is your proof of purchase. Robert Axle Project shall not be liable for damage or delays caused by defective material or workmanship; it is limited to the repair or replacement, at its factory, of any defective article or part thereof, which may be returned to the factory; transportation charges prepaid, by the original purchaser. Robert Axle Project shall be the sole judge of the existence of any defect in the article so returned. No claim for charges incurred in the removal, disassembly, or reinstallation of such article will be allowed. The Limited Warranty does not cover claims from misuse, neglect, failure to follow the instructions, improper installation, improper maintenance and use, abuse alteration, involvement in an accident and normal wear and tear. The warranty does not cover any article that has been altered outside of the Robert Axle Project or the performance of any accessory or equipment on or in which any article of the company's manufacturer is used. Robert Axle Project shall, in no event, be liable for consequential damage or contingent liability arising out of any total or partial failure to any article manufactured by, if, or of any accessory or equipment on or in which it used. Failure of a user to give notice of claim as to defect claimed under the provisions of this warranty within sixty (60) days of the appearance of such claim shall constitute a waiver by customer of all claims with respect to such goods and equipment. No expressed, implied, or statutory warranty other than that herein set forth is made or authorized to be made by the company.