

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.

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www.robertaxleproject.com



Indoor Trainer 12mm Thru Axle

	Part Number	Description
<input type="checkbox"/>	TRA217.N	NAILD 12x142
<input type="checkbox"/>	TRA213.N	NAILD 12x148



INSTALLATION INSTRUCTIONS: TRAINER THRU AXLE FOR NAILD BIKES

Tools required:

- 21 mm open-ended wrench
- Torque wrench with 5 mm hex key adapter
- Grease
- Rubber mallet

Remove the NAILD axle:

1. Remove the stock NAILD axle from the bike and remove the rear wheel. From the derailleur side of the bike, remove the plastic nuts and set aside. (Figure 1)
2. Remove the (gold anodized) lock ring from the NAILD system on the derailleur side of the bike, using a 21 mm open ended wrench. (Figure 2)
3. Remove the black NAILD insert from the derailleur hanger by tapping it lightly with a rubber mallet from the outside of the hanger, toward the wheel center. Set insert aside. (Figure 3)



Figure 1

Install Robert Axle insert and axle:

1. Install the Robert Axle insert into the dropout from the inside of the frame. The flat portion of the flange should be hand fitted to line up with the flat portion of the dropout. Make sure the inside face of the insert is flush against the dropout where the hub will contact the dropout. (Figure 3)
2. Lightly grease the threads on the Robert Axle insert. Install the NAILD lock ring on to the Robert Axle insert. Tighten using the 21 mm open-ended wrench. Tighten to 10 Nm. Do not over tighten.
3. Lightly grease the Robert Axle shaft and threads. Make sure the tapered spacer that came with the axle is on the axle.
4. Place wheel in frame. Install the Robert Axle from the disc brake side of the the bike. Hand tighten.
5. Insert a 5 mm torque wrench into Robert Axle end on the disc brake side and tighten axle to 12 Nm. Do NOT over tighten.
6. Thread on the remaining trainer axle end. The end should tighten against the frame and there should NOT be any gap between the frame and axle end. Tighten to 6 Nm. (Figure 4)



Figure 2



Figure 3

5. Attach your bike to your resistance trainer following the manufacturer's directions.
6. Before returning to the trails on your bike, remove the drive side axle end from the bike.

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



Figure 4

▲ WARNING ▲

- Your Robert Axle must be properly installed with a torque wrench before operating a bicycle and trainer. 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 trainer you are attaching to your Robert Axle.
- It is the user's responsibility to check the thread pitch on your Robert Axle before installing on your bike. Do not attempt to install a Robert Axle with a different thread pitch from your stock axle. Incorrect thread pitch can damage your bicycle.
- Check all torque settings and inspect all parts before each use.
- 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.