

# 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)



## Rear Lightning Bolt-On Thru Axle

Part Number	Axle Length*	Thread Pitch
<input type="checkbox"/> LIG617	153 or 158 mm**	M12 x 1.0
<input type="checkbox"/> LIG603	162 or 167 mm**	M12 x 1.0
<input type="checkbox"/> LIG624	165 mm	Mavic Speed Release
<input type="checkbox"/> LIG613	167 or 172 mm**	M12 x 1.0
<input type="checkbox"/> LIG626	175 or 183 mm**	M12 x 1.0
<input type="checkbox"/> LIG612	159 or 165 mm*	M12 x 1.5
<input type="checkbox"/> LIG604	172 mm	M12 x 1.5
<input type="checkbox"/> LIG614	178 mm	M12 x 1.5
<input type="checkbox"/> LIG606	209 mm	M12 x 1.5
<input type="checkbox"/> LIG608	229 mm	M12 x 1.5
<input type="checkbox"/> LIG621	167 mm	M12 x 1.75
<input type="checkbox"/> LIG623	170 mm	M12 x 1.75
<input type="checkbox"/> LIG601	174 mm	M12 x 1.75
<input type="checkbox"/> LIG611	180 mm	M12 x 1.75
<input type="checkbox"/> LIG610	198 mm	M12 x 1.75
<input type="checkbox"/> LIG609	209 mm	M12 x 1.75
<input type="checkbox"/> LIG607	229 mm	M12 x 1.75

\* Axle Length refers to the length of the axle shaft. All axles are compatible with +/- 2mm.

\*\* Lesser dimension is axle shaft measured with the included tapered X-12 spacer. Greater dimension is axle shaft measured without spacer. Only 1.0 mm Thread Pitch axles come with X-12 spacer.



## INSTALLATION INSTRUCTIONS: LIGHTNING BOLT-ON THRU AXLE

### Tools Required:

- Torque wrench with 6 mm hex wrench adapter
- Grease

### Assemble your Robert Axle:

1. Remove the stock axle from your bike.
2. Hold up your Robert Axle to your stock axle. Your Robert Axle should:
  - Have the same thread pitch as your stock axle. If threads do not match, do not install the Robert Axle. Contact us. (Figure 1)

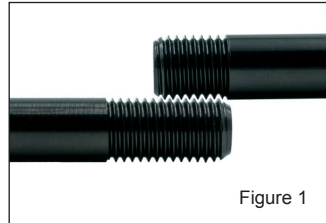


Figure 1

- Be the same length (+/- 2mm) and shape as your stock axle. Use the spacers/washers (if enclosed) to match the Robert Axle to your stock axle. (Figure 2)



Figure 2

### Install Your Robert Axle On Your Bike:

1. Apply a little grease to exterior threads and shaft of your Robert Axle.
2. Insert the Robert Axle through the frame and rear wheel. Carefully engage the threads of the Robert Axle and hand tighten. Make sure your Robert Axle tightens the frame to the hub before the axle runs out of threads. If this does not happen, stop installation and contact us.
3. Insert a torque wrench with a 6 mm hex key into the Robert Axle end, and tighten axle to 12 Nm. Do NOT over tighten.

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

All inquiries should be directed to [info@robertaxleproject.com](mailto:info@robertaxleproject.com)

## ⚠ WARNING ⚠

- Your Robert Axle must be properly installed with a torque wrench. 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.
- 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.

**We also make thru-axles to attach:**

**Kid Trailers**

**BOB Trailers**

**Indoor Trainers**

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