

Thanks for purchasing Problem Solvers Downtube Adjusters. They provide easily accessible derailleur adjustability.

**⚠ WARNING: CYCLING CAN BE DANGEROUS. BICYCLE PRODUCTS SHOULD BE INSTALLED AND SERVICED BY A PROFESSIONAL MECHANIC. NEVER MODIFY YOUR BICYCLE OR ACCESSORIES. READ AND FOLLOW ALL PRODUCT INSTRUCTIONS AND WARNINGS INCLUDING INFORMATION ON THE MANUFACTURER'S WEBSITE. INSPECT YOUR BICYCLE BEFORE EVERY RIDE. ALWAYS WEAR A HELMET.**

For additional technical and safety information, visit:  
[www.problemsolversbike.com/safety](http://www.problemsolversbike.com/safety)

## COMPATIBILITY & INTENDED USE

Problem Solvers Downtube Adjusters attach to braze-on downtube shifter mounts. They are not designed to attach anywhere else on the bike.

## TOOLS REQUIRED

- 3mm Allen wrench
- Torque wrench that measures in Nm
- Grease

## INSTALLATION:

1. Apply a thin layer of grease to the frame's braze-on and inside the threaded bolt hole.
2. Slide the Downtube adjuster onto the frame's downtube braze-on and install the bolt with a 3mm Allen wrench (figure 1).
3. Using a torque wrench, tighten the bolt to 1.5Nm (figure 2).
4. The adjustment range for the Downtube Adjuster is six full turns.



Figure 1



Figure 2

## ONGOING MAINTENANCE

Periodically check to make sure attachment bolts are properly tightened to the frame.

## A LIMITED 2-YEAR WARRANTY

PROBLEM SOLVERS™ warrants this new PROBLEM SOLVERS product against defects in materials and workmanship for two (2) years from the original date of retail purchase by the consumer. This limited warranty is expressly limited to the repair or replacement of the original product, at the option of PROBLEM SOLVERS, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the PROBLEM SOLVERS product and is not transferable.

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This warranty does not cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the end user
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Damage or deterioration to the surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly
- Installation of components, parts, or accessories not originally intended use with or compatible with Problem Solvers products

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