

Thank you for purchasing a Problem Solvers Adjustable Headset Spacer. We designed this handy little spacer to allow for headset preloading without a star nut or compression plug.

⚠ 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

COMPATIBILITY

Some forks may not be designed to accommodate an adjustable headset spacer. If your fork has a carbon fiber steerer tube, check with the fork manufacturer before using this product.

TOOLS REQUIRED

- 2mm hex wrench
- Two 36mm headset wrenches
- Torque wrench
- Bicycle grease

INTENDED USE

The Adjustable Headset Spacer has two components—the lockring (with bolt) and adjusting nut (see fig. 1).

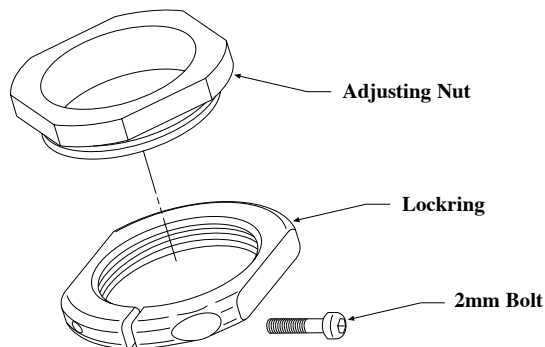


Figure 1

If the fork steerer is new and uncut, cut the steerer to desired length following the fork manufacturer's instructions. Make sure to save 10mm of steerer for the adjustable headset spacer. The top of the steerer should be 0–3mm below the top of the stem.

INSTALLATION:

1. Disassemble the adjustable spacer. Lightly grease the threads of the bolt, lockring, and adjusting nut. Reassemble the spacer, threading the lockring onto the adjusting nut completely.
2. Remove the stem and approximately 10mm of headset spacers from fork steerer tube (if applicable). Install the adjustable spacer onto the steerer tube. Headset spacers may be installed above and/or below the adjustable spacer.
3. Reinstall the stem onto the fork. Again, the top of the stem should be flush with or up to 3mm above the top of the steerer tube. Make sure all of the headset components, adjustable spacer, headset spacers, and stem are seated properly and as tightly as possible. Align the stem and tighten the steerer clamp bolts to the stem manufacturer's torque specifications.
4. Using both 36mm headset wrenches, hold the lockring in place and turn the adjusting nut counter-clockwise to tension the headset. Adjust so that all play in the headset bearings is removed but the headset still turns freely. Check for play by holding the front brake and pushing the bike forward and back. Turn the handlebars 45° from center in both directions—the headset bearings should not bind when the handlebars are turned all the way in either direction. Readjust the spacer as necessary.

⚠ WARNING: Do not turn the adjusting nut more than two full revolutions from the closed position—doing so will result in inadequate thread engagement.

If the nut needs to be rotated more than two revolutions to remove headset play, remove the stem and add an additional 1–2mm of headset spacers. Go back to Step 2 and readjust the spacer.

5. When headset play has been removed, tighten the bolt on the lockring using the 2mm allen wrench. Turn the bolt until snug. The bolt should be tight enough to prevent movement in the adjusting nut (check with the 36mm wrench).
6. After your first ride, recheck the adjustment of your headset and adjustable headset spacer.

ONGOING MAINTENANCE

Check the adjustment of your headset and spacer every 3–5 rides.

WARRANTY PROCESS

If you and your shop think your Problem Solvers product is worthy of a warranty inspection, please return the product to the original place of purchase, accompanied by a sales receipt.

For complete warranty information, visit problemsolversbike.com/safety