



Cassette Cog Instructions

Hi there. Thanks for spending your hard-earned cash on this Surly product. Surly stuff is designed to be useful and durable. We're confident it will serve you well for years to come.

⚠ 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.

Additional Product and Safety Information can be found at the website: surlybikes.com/safety

Intended Use and Compatibility

Surly Splined Cogs are used to create single speed drivetrains. Our cassette-type cogs are designed to fit on standard Shimano compatible freehub bodies. These cogs have a tall tooth profile that is essential for preventing chain skip from the extra torque a singlespeed drivetrain encounters. The cog base width (where it contacts the freehub body) is 4.35mm. This width also prevents it from ruining the freehub body as a result of digging grooves into it like skinny stamped cogs have a tendency to do. Our cogs will work with 6-9-speed 3/32" chains, although we recommend the inherently updated quality of an 8 or 9 speed chain. **You MUST have spacers to hold the cog in place in the freehub body.**

Tools Required

- Cassette lockring tool
- Grease
- Torque wrench

Installation

1. Remove your cassette or whatever is on the cassette freehub body per the hub manufacturer's instructions. Hold onto lockring for step 3 below.
2. Your chainring, rear cog, and chain should be on the same plane and in perfect alignment with each other to function properly; the relationship of the front chainring to the rear cog should be such that the chain moves from one to another in a straight path that is perfectly parallel to the bicycle's center line.

⚠ WARNING: Failure to consider good chainline when setting up your drivetrain can result in excess drivetrain noise, premature wear of components, thrown chains, and possible crashes resulting in injury.

3. Slide spacers and cog onto the freehub body to achieve a good chainline as described in step 2. Put a dab of waterproof grease on the lockring threads and knurling, and install the lockring hand-tight. Using a Shimano-compatible cassette lockring tool and torque wrench, tighten the lockring to 30–50 N-m (260–430 in. lbs.).

Ongoing Maintenance

Periodically check to make sure lockring is properly torqued.

Limited Warranty

This SURLY product is warranted against defects in materials and workmanship for one year from the date of retail purchase of the product, subject to the limitations detailed below. Save your dated receipt for proof of purchase.

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 user or assembler
- 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
- Installation of components, parts or accessories not originally intended for or compatible with bicycle as sold
- Damage or deterioration to the paint, 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

This limited warranty is expressly limited to the repair or replacement of a defective product, at the option of SURLY, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the SURLY product and is not transferable. This warranty applies only to products purchased through an authorized dealer or distributor. In no event shall SURLY be liable for any loss, inconvenience or damage, whether direct, incidental, consequential, or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to our products except as set forth herein.

This limited warranty gives the consumer specific legal rights, and those rights and other rights may vary from place to place. This limited warranty does not affect your statutory rights.

TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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