



Sunrise Bar 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.

This document outlines how to properly install your new Surly Sunrise Bar. If you do not feel comfortable with the installation, please take your bike to your local bike shop so they can get you set up right. If you do not have the proper tools and/or experience to install this handlebar, you could hurt your bike and yourself. Be smart. Do the right thing.

⚠️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.

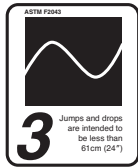
For additional safety information about all Surly products visit: surlybikes.com/safety

Compatibility and Intended Use

The Surly Sunrise Bar is compatible with 22.2mm stems, with included shims it is compatible with 31.8mm.

⚠️WARNING: Make certain your stem clamp is compatible with the handlebar before proceeding.

- **Not for use with Aero bars**
- **Not for use with Bar-ends**
- **Not intended for freestyle BMX, loaded touring, or racing**



The Surly Sunrise Bar is designed for riding within the range of ASTM Condition 3 guidelines:

Condition 3—This is a set of conditions for operation of a bicycle that includes Condition 1 and Condition 2 as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 61cm (24").

Tools Required for Installation

- Hex wrenches appropriate for the bolts on your stem and brake and shift levers
- Torque wrench
- Hacksaw (If you're cutting the bars)
- Cutting guide (If you're cutting the bars)
- File (If you're cutting the bars)

Cutting Handlebars

1. When cutting handlebars, determine the appropriate width.
2. Remember to cut BOTH ends evenly.
3. Always use a cutting guide.
4. File the handlebar ends to remove any burrs or sharp edges.

⚠️WARNING: Unprotected handlebar ends may cause serious injury. Install an appropriate handlebar plug, grip, or bar end.

Installation Without Shims

1. Remove the bolts from the stem faceplate.
2. Center the handlebar on the stem and replace the faceplate.
3. Tighten the faceplate bolts according to the stem manufacturer's specifications.

Installation With Shims

1. Remove the bolts from the stem faceplate.
2. Center the shims on handlebar.
3. Center handlebar on stem and replace faceplate.
4. Tighten the faceplate bolts according to the stem manufacturer's specifications while making sure shims do not shift.

Ongoing Maintenance

Periodically check to make sure the bolts on your handlebar components (stem, brake levers, shifters, grips, etc.) are properly torqued to the manufacturer's specifications.

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 Surly product 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.

Surly

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The Watts Line: 877.743.3191

The Email: derby@surlybikes.com

The Web Address: surlybikes.com

Thanks for purchasing a Problem Solvers Handlebar Shim. This shim will add thickness to a smaller diameter handlebar and make it fit with a larger diameter clamping stem.

⚠ 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

Problem Solvers handlebar shims are available in the following combinations:

Part #	Handlebar Clamp Size	Stem Clamp Size	Shim length
SM3002	22.2mm	25.4mm	38mm
SM1070	25.4	26.0	35
SM1071	25.4	26.0	45
SM5316	25.4	31.8	44
SM5317	26.0	31.8	44
SM5319	31.8	35.0	53

Problem Solvers handlebar shims are NOT compatible with carbon handlebars and/or stems. Check with handlebar and/or stem manufacturer for shim compatibility.

TOOLS REQUIRED

- Allen and Torx wrenches (as required by the stem manufacturer)
- Torque wrench
- Grease

INSTALLATION:

1. Loosen and remove the stem bolt(s) that tighten the stem clamp around the handlebar. For a stem with a removable faceplate, remove the faceplate.
2. Place the Problem Solvers handlebar shim over the handlebar's clamping area in the middle of the handlebar.
3. The gaps between the two shim pieces top, bottom and sides must be evenly spaced for adequate clamping force. (figure 1)



Figure 1

4. Grease the threads of the stem clamping bolts and reinstall.
5. Tighten the bolts to the stem manufacturer's torque specification.
6. Check to make sure the gaps at the top, bottom, and sides of the stem faceplate are evenly spaced.

ONGOING MAINTENANCE

Periodically check to make sure all stem attachment bolts are properly torqued to the stem manufacturer's specifications.

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.

In no event shall PROBLEM SOLVERS be liable for any loss, inconvenience or damage, whether direct, incidental or 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 this product except as set forth herein. This warranty gives the consumer specific legal rights, and those rights and other rights may vary from state to state.

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
- Installation of components, parts, or accessories not originally intended for or compatible with Problem Solvers product
- 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

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.