



Pro Moto Ti S.U.L. Threadless Stem Installation Instructions

Thank you for purchasing this Pro Moto Ti S.U.L. stem. With proper installation, use, and care, we are sure you will be delighted with its performance.

Read these instructions completely before attempting to install this product. The ‘Stiff Upper Lip’ (S.U.L.) handlebar clamp design is different than most other clamp designs on the market and requires a different method of assembly.

WARNING: Incorrect installation can result in serious damage to your bike and body. Salsa Cycles suggests installation be performed by a professional bicycle dealer.

WARNING: You must have a threadless fork and headset system to use this stem. Using this stem on a threaded steerer is potentially catastrophic due to the reduced wall thickness of threaded steerers. Salsa Cycles suggests installation be performed by a professional bicycle dealer.

WARNING: If using this stem with a carbon handlebar or fork with carbon steerer tube, you must check that our recommended torque values fall within the range set by those manufacturers. Also be sure to follow preparation and installation instructions provided by the carbon handlebar or fork manufacturer.

WARNING: You must use a torque wrench to install a Pro Moto Ti S.U.L. stem.

PREPARATION

Before installation, make sure the headset is properly installed and in good condition. The steerer, handlebar, and stem’s clamp-to-steerer and clamp-to-handlebar mating surfaces must be clean and free of any dirt, lubricants and/or retaining compounds. Measure the outside diameter of the steerer to make sure the stem will fit; the Pro Moto Ti S.U.L. stem works on a 1-1/8" threadless steerer. The stem may also be fitted to a 1" **threadless** steerer by using an appropriate shim.

Pro Moto Ti S.U.L. stems are only available with 31.8mm handlebar clamp bores. Measure the outside diameter of the handlebar you are using to make sure you have the correct size handlebar.

INSTALLATION

Remove the stem steerer clamp and handlebar clamp bolts and apply a thin layer of grease to the threads. Reinstall the bolts but do not tighten.

The threadless headset and fork of choice should be installed on the bike already. Slide the stem onto the fork steerer (any desired spacers and/or a front brake cable hanger, if applicable, should go on first), and make sure everything is slid on as far as it will go by hand and seated properly. Tighten the steerer clamp pinch bolt just enough to hold everything in place.

The top of the fork steerer should be 2-3mm below the top of the stem. If the steerer is too long, remove the fork and trim the steerer accordingly, or install the appropriate additional amount of stack spacers. If the steerer is too short, there will be an insufficient clamping surface for the stem to be installed securely – discontinue the installation and use a longer fork steerer, shorter stack headset, fewer spacers, etc. **WARNING** – Never exceed the recommended maximum spacer stack height as specified by the fork manufacturer.

Grease the 6mm top cap anchor bolt and place the top cap into the stem. Feed the anchor bolt through the top cap and gently thread it in the star-nut in the fork (as installed by the headset and fork manufacturer’s instructions) with a 5mm hex wrench until it is finger-tight. Loosen the steerer clamp bolts completely. Pre-load the headset by tightening the top cap anchor bolt in the manner specified by the manufacturer’s instructions. Lastly, again tighten the steerer clamp pinch bolts just enough to hold everything in place in preparation for the handlebar installation.

Install the handlebar by sandwiching the handlebar between the stem and the stem front cap. NOTE – If installing a carbon handlebar use assembly paste wherever the handlebar, stem body, and stem front cap mate. The curve on the top inside of the front cap should be in a position so that it mates with the upper lip of the stem. Thread all handlebar clamp bolts through the front cap and into the stem, then advance the bolts 3 – 4 turns so that the bolt heads are down inside the counter-bores of the front cap but not yet seated or snugged down.

Center the handlebar and rotate it to the desired position. Here is where you will be doing things differently than you are used to: Tighten the upper handlebar clamp bolts completely until it locks the lip of the stem body and the curve of the front cap, and then torque the upper bolts to 4Nm (35 inch-pounds).

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Now, in alternating fashion, tighten both lower clamp bolts a 1/4 turn at a time until proper torque of 4Nm (35 inch-pounds) is reached.

Align the stem with your front wheel and tighten the steerer clamp bolts in the same alternating fashion, a 1/4 turn at a time until proper torque of 4Nm (35 inch-pounds) is reached.

If headset play exists, loosen the steerer clamp bolts and tighten the top cap anchor bolt 1/4 turn. Re-tighten the steerer clamp bolts to proper torque and recheck for headset play. If there is still play, repeat this adjustment procedure until the headset is adjusted properly.

When you have achieved proper headset adjustment and stem/wheel alignment, torque the steerer clamp bolts to 4Nm (35 inch-pounds). Hold the front wheel between your legs and make a strong attempt to rotate the stem. If it moves, recheck the torque of the steerer clamp bolts and re-adjust as necessary.

WARNING: If after installation any part of your stem, handlebar or headset is not securely fastened after tightening to the appropriate torque value, do not ride your bicycle. Take it to your professional bicycle dealer for inspection and service.

Always check all stem bolts before each ride as a part of a complete bicycle safety inspection.

WARRANTY

Salsa Cycles warrants this new Salsa product against defects in materials and workmanship for five (5) 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 Salsa Cycles, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Salsa product and is not transferable.

In no event shall Salsa Cycles 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 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

This warranty gives the consumer specific legal rights, and those rights and other rights may vary from state to state.