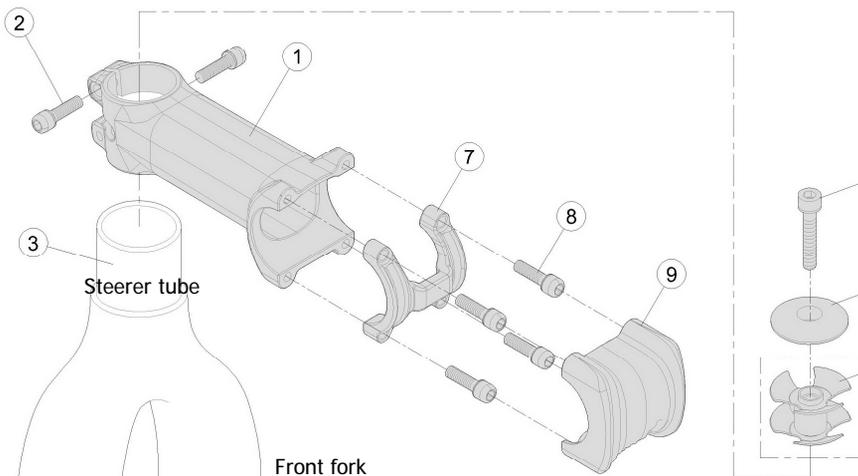




Vision TriMax Stem Installation Instructions

Published – Mar, 2017. ZS196. v0 © Full Speed Ahead



Introduction

Congratulations on your Vision product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. FSA & Vision assumes no responsibility for damages or injury related to improperly installed components.

Warranty

Full Speed Ahead (FSA) warrants all FSA, Vision, Metropolis and RPM products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website: <http://www.visiontechusa.com/support/warranty-policy/>

Specification

Item Number / Model Name TriMax Carbon OS / ST-KO-128-OS
TriMax OS / ST-RO-127C-OS

Vision stems are compatible with industry standard steerer tube and handlebar diameters. To choose the correct Vision stem, first check the specific diameter of steerer tube and handlebar to be used.

Components

Follow the assembly order in the illustration:

- | | | |
|-----------------------|-------------------------------------|----------------------------------|
| ① Stem Body x1 | ④ Star nut (not included with stem) | ⑦ Stem Face Plate x1 |
| ② Fixing Bolts 16L x4 | ⑤ Top cap x1 | ⑧ Face Plate Fixing Bolts 18L x4 |
| ③ Steerer tube x1 | ⑥ Top Cap Bolt x1 | ⑨ Carbon Cover x1 |

Stem Installation

- Ensure that the steerer tube ③ is clean and free of burrs or chips. Check to be sure Star nut ④ or Expander Assembly(not shown) is installed to the correct position and will work with Top Cap & Bolt ⑤ & ⑥.
Note: For alloy and steel steerer tubes use Star nut, for Carbon steerer tubes use an Expander Assembly (star nuts can damage carbon steerer tubes).
- With all headset components installed, ensure that the steerer tube ③ is cut to the correct length to allow installation of stem and the desired amount of headset spacers to be used.
- Ensure that bolt threads ② have a light layer of grease. Install the stem body ① onto the steerer tube. Adjust the the stem body ① to ensure it is aligned with front wheel for proper steering.
- Install Top Cap Bolt ⑤ and Bolt ⑥. The Top Cap bolt ⑥ provides preload tension on the headset bearings. The Top Cap bolt ⑥ should be tightened so there is no play in the headset, but not so tight that headset bearings feel rough or bind. If it is impossible to tighten the fixing bolt ⑥ without headset feeling loose, or bearings to tight, the headset may be missing components or not installed correctly.
- Tighten the stem steerer fixing bolts ② by turning each bolt 1/4 to 1/2 turn at a time (alternating) so both bolts tighten simultaneously (50-60 kgf.cm / 5-6 Nm / 45-53 in.lbs Recommended Torque). DO NOT tighten beyond the Maximum tightening torque written on the stem! Always use a calibrated torque wrench to tighten stem bolts.
Note: Always use Carbon Dynamic Installation Compound (ME068) between stem and carbon steerer tubes. Carbon Dynamic Installation Compound (ME068) can be purchased in FSA dealers.
- Insert handlebar between stem body ① and face plate ⑦. Tighten face plate ⑦ by turning each bolt ⑧ 1/4 to 1/2 turn at a time (alternating) so both bolts tighten simultaneously (50-60 kgf.cm / 5-6 Nm / 45-53 in.lbs Recommended Torque). Note: Use Carbon installation compound between stem and carbon handlebars.
- Check that handlebars do not slip in stem, or that stem does not slip on steerer tube before riding bicycle. If slippage occurs, review stem installation, use carbon dynamic installation compound to reduce possibility of bar and stem slippage.
- Press the Carbon Cover ⑨ onto the face plate ⑦. Ensure that the fit is secure.



Contact

If you have questions, please visit our web site technical section: <http://www.fullspeedahead.com/contact> or contact:

Full Speed Ahead, USA
12212 Cyrus Way Mukilteo, WA 98275-5702
Tel: 1_425_488_8653 Fax: 1_425_489_1082

Full Speed Ahead, Europe
Via Del Lavoro, 56 20874 Busnago, Milan, Italy
Tel: +39_039_688_5265 Fax: +39_039_682_3336

TH INDUSTRIES / FSA Asia
NO.6, Wu-gong 8th Rd., Wufeng Dist., Taichung City 41353, Taiwan (R.O.C.)
Tel: +886_4_2331_9134 Fax: +886_4_2331_9314