SCR Stem Installation Instructions

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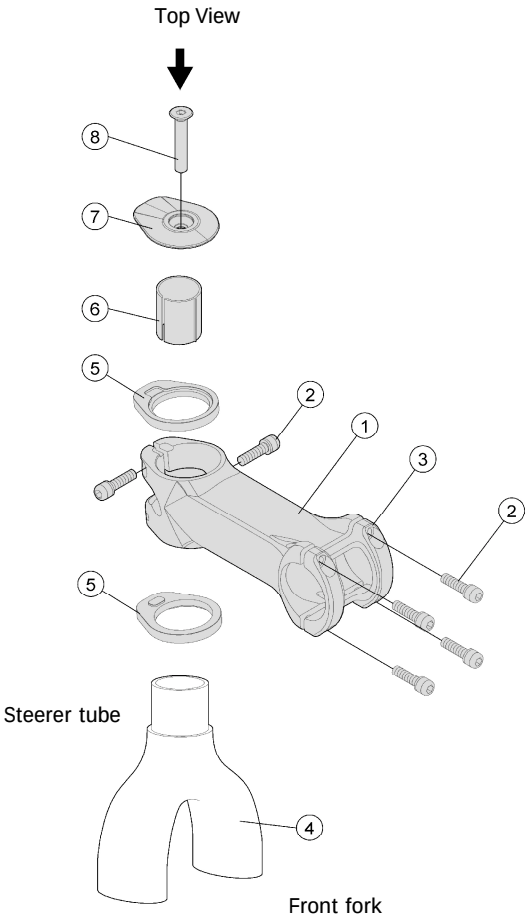


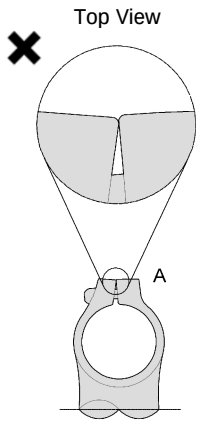
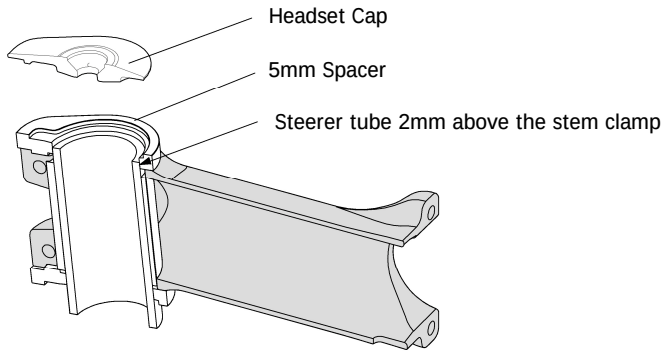


Fig. A



Introduction

Congratulations on your Full Speed Ahead 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 and Vision 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:
https://www.fullspeedahead.com/en/support/warranty-policy

Specification

Model Name **All SCR Stem**

FSA road, MTB and Vision stems are compatible with industry standard steerer tube and handlebar diameters. To choose the correct FSA 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
② Steerer Clamp and Face Plate Bolts x6
③ Stem Face Plate x1
④ Fork x1
⑤ 1-1/4″ Spacer / 1-1/8″ Spacer x2
⑥ 1-1/8″ Bushing x1
⑦ Top Cap x1
⑧ Fixing Bolt x1

NOTICE Components ⑤ ~ ⑧ are only for SL-K SCR.

Stem Installation to Fork Steerer Tube

1. Measure diameter of steerer tube ④ to be certain it is correct size for stem installation. It's often required that the steerer tube be cut to length. This operation should be performed by a qualified bicycle technician.

NOTICE Carbon steerer tubes should extend through the stem completely for proper clamp pressure. It is recommended to have minimum 2mm of steerer tube extended above the stem and the use of a minimum 5mm headset spacer between stem ① and headset cap for ALL carbon steerer tube forks. Ensure that the steerer tube is clean and free of burrs or chips before installing stem onto steerer tube.

2. Headset should be installed per headset manufacturer's instructions.
3. Apply small amount of carbon assembly paste on steerer tube.

NOTICE If using Bushing ⑥ for 1-1/8″ steerer; apply carbon assembly paste between stem and bushing and bushing and steerer tube !

4. Apply grease to stem fixing bolts ②. Tighten the steerer fixing bolts ② by alternating between bolts 1/4 turn at a time so both bolts reach proper torque rating printed on the stem simultaneously.

⚠ CAUTION If fixing bolts are tightened over the maximum torque, the stem clamps may touch slightly (As the above drawing A), or can cause cracks in carbon steerer tube. Check stem for slippage on the steerer tube before proceeding.

Handlebar Installation to Stem

1. Apply FSA Dynamic Installation Compound on handlebar clamp area. Insert handlebar between stem body ① and face plate ③.
2. Apply grease to faceplate bolts and tighten the faceplate fixing bolts ② 1/4 turn at a time in an X-pattern to tighten faceplate evenly on handlebar.

⚠ CAUTION Do not go above maximum torque rating printed on the stem. Check handlebar for slippage before each ride to ensure safe operation. Contact FSA for Troubleshooting information.

⚠ WARNING

Be sure to choose the correct stem to fit the steer tube and handlebar for which it is to be installed. Installing the stem on an incorrect steerer tube, or handlebar clamp diameter may cause damage to product, or cause an accident resulting in injury or death.

- FSA and Vision Stems are compatible with 1-1/8″ steerer tubes.
- FSA SL-K is compatible with 1-1/4″ and 1-1/8″ steerer tube when the bushing is used (included with stem).
- FSA MTB stems are available to fit 31.8mm or 35mm Handlebar clamp only.
- FSA and Vision Road stems are available to fit 31.8mm Handlebar clamp only.

⚠ WARNING

Measure Fork Steerer tube and handlebar clamp area before installing stem. Use an accurate measuring device such as a caliper or micrometer. Installing stem onto an undersized steertube or handlebar can cause stem or bar to slip causing loss of control of bicycle; resulting in an accident, damage to bicycle, injury or death. Use FSA Dynamic Assembly Paste between stem, steerer tube, and handlebar to reduce chances of slippage. Consult fork and handlebar manufacturer for exact diameter specification. If manufacturer specifications are unavailable, general guidelines are as follows :

Handlebar Clamp Area Dimensions :

- 31.8mm +0.15 / -.00mm
- 26.0mm +0.15 / -.00mm
- 25.4mm +0.15 / -.00mm

Steerer Tube Dimensions :

- 1-1/8″ 28.6mm +0.1 / -.00mm
- 1-1/4″ 31.8mm +0.1 / -.00mm
- 1-1/2″ 38.1mm +0.1 / -.00mm (refered to as 1.5″)

⚠ WARNING

Headset and Fork must be installed before stem installation. Headset and Fork installation requires specialized knowledge, tools, and experience. General mechanical aptitude may not be sufficient to properly install these components. It is recommended that the headset and fork be installed by a qualified bicycle technician. Improper installation can result in failure of headset, fork, stem, and cause personal injury or death.

Contact

If you have questions, please visit our web site technical section: https://www.fullspeedahead.com/en/support or contact:

FULL SPEED AHEAD EUROPE
VIA DEL LAVORO, 56
20874 BUSNAGO, (MB), ITALY
PH. +39 039 688 52 65

FULL SPEED AHEAD USA
12212 CYRUS WAY
MUKILTEO, WA 98275-5702
PH. +1 425 488 8653

FULL SPEED AHEAD ASIA
NO.6, WUGONG 8TH RD., WUFENG DIST.,
TAICHUNG CITY 41353
PH. +886 4 2331 9134

FULL SPEED AHEAD CHINA
ROOM A405, BUILDING 2, NO.88, BAIFU ROAD.,
KUNSHAN DEVELOPMENT ZONE
PH. +86 512 5702 2458

Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions.