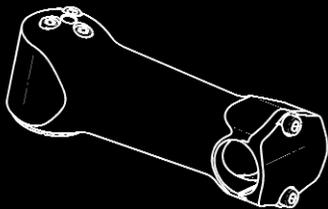




Black Ops™ Research

# SAAGO™ STEM

Installation Instructions



1 1/8" THREADLESS

## IMPORTANT

The Stem is a safety-critical item on a bicycle. Improper set-up, maintenance, or use can result in loss of control or an accident, which could lead to a severe injury.

It's your responsibility to learn and understand proper riding techniques. Consult the owner's manual for your bicycle and a professional bike dealer. Practice your riding and braking techniques on a flat and level surface prior to aggressive riding.

The performance of a bicycle is dependent on many conditions over which Avid has no control including the speed of the bicycle, type and condition of the riding surface, proper installation and maintenance of brakes, cables, levers, brake pads and components, the condition of the bike, weight of the rider, proper riding techniques, weather, terrain, and a variety of other factors.

Avid components are not intended for use on any motorized bicycle or vehicle. Any such use could result in a serious personal injury.

ALWAYS RIDE UNDER CONTROL.

SAAGO-0202

## IMPORTANT!

The SAAGO Stem is not like any other stem. Please read through this manual BEFORE attempting to install for the first time.

The SAAGO stem is designed only for use with 1 1/8" THREADLESS steerers. Use with any other type of steerer can result in injury.

Follow these instructions carefully. If you do not understand the instructions, have the installation done by a professional bike mechanic.



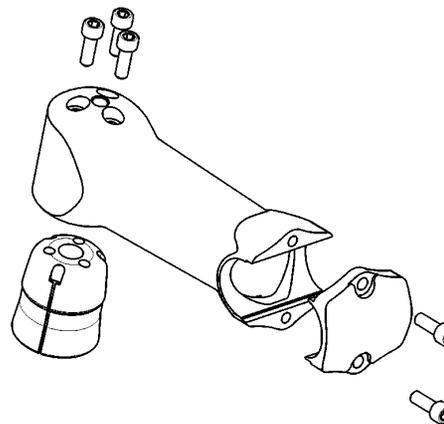
**Installation Tools  
Needed: 4mm & 5mm  
hex wrenches, hacksaw  
and file.**

## PREPARATION

**A**

### Disassemble the Stem

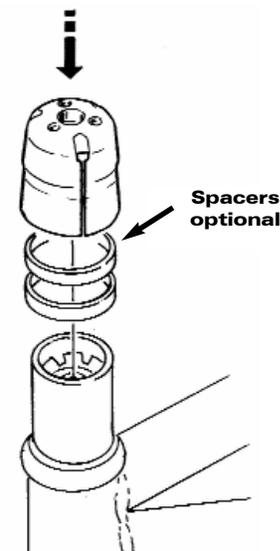
Be careful not to lose any small parts.



**B**

### TEST FIT THE COLLET

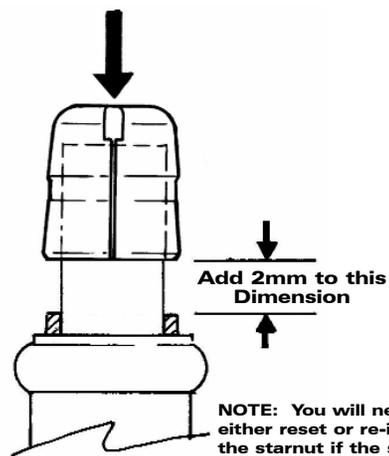
The SAAGO stem requires a carefully set steerer tube length. Making sure the headset is compressed, push the collet downward until it stops.



**C**

### ADJUST STEERER LENGTH

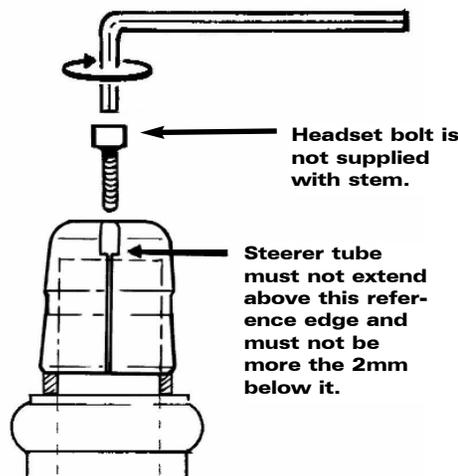
Measure the distance between the bottom of the collet and the top of the headset (or spacer). Add 2mm ( 3/32") to this length. **This is the amount of steerer to be cut.** If the collet bottoms on the headset, proceed to step D.



**D**

### CHECK CLEARANCE

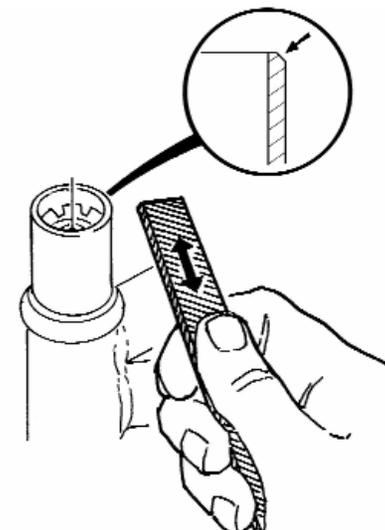
Reinstall all headparts and collet and preload per the headset manufacturer's instructions.



**E**

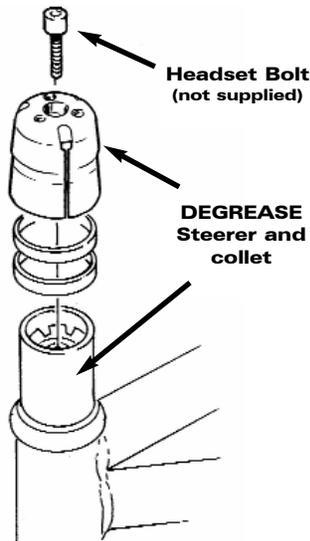
### DEBURR AND DEGREASE

Clean the saw cut edges with a file before moving on to **Installation**. Degrease steerer.

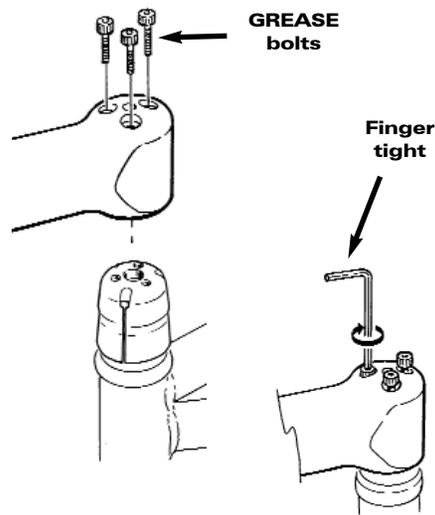


**1****INSTALLATION****PRELOAD HEADSET**

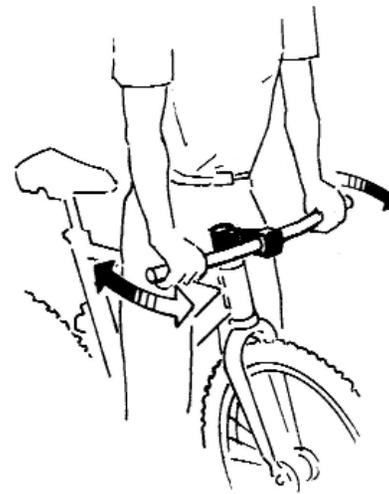
Reinstall all headparts and collet and preload the headset bolt per the headset manufacturer's instructions.

**2****INSTALL STEM**

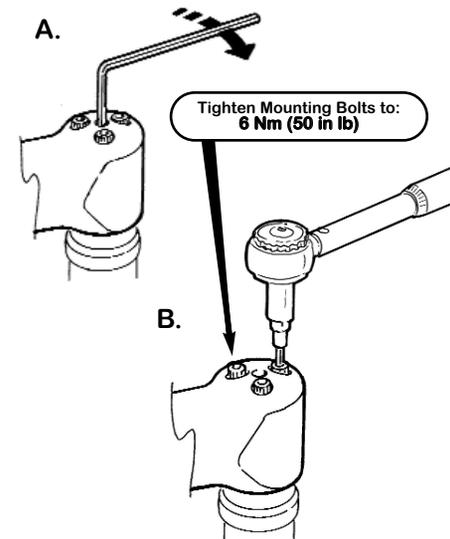
Fit stem onto collet. Grease the three mounting bolts, install and tighten only finger tight.

**3****CENTER THE STEM**

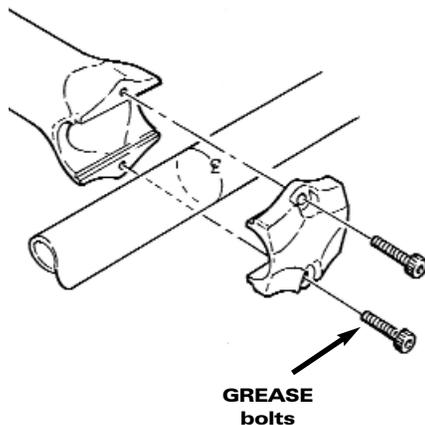
Now is a good time to make sure the stem is straight.

**4****TORQUE THE BOLTS**

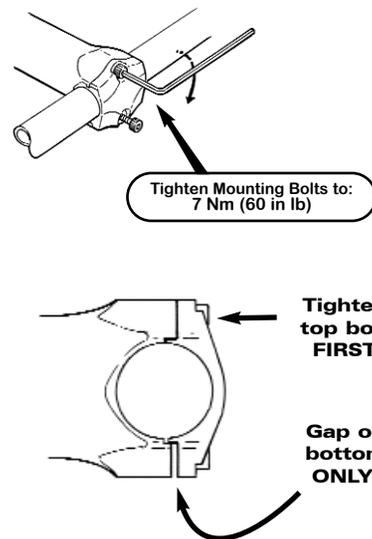
Recheck the headset preload bolt tension.<sup>(A)</sup> Tighten the three main mounting bolts, repeating in a circular pattern, until all three are at 50 in lbs torque.<sup>(B)</sup>

**5****MOUNT THE BAR**

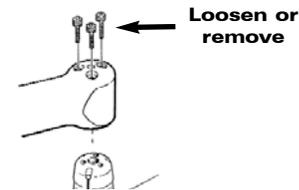
Grease the two M6 front cap bolts and assemble. Tighten the bolts finger tight.

**6****TIGHTEN THE BAR**

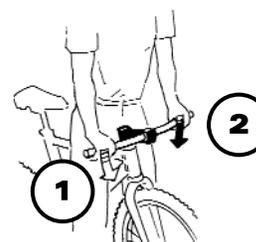
Tighten the top bolt completely to 60 in lbs so there is no gap. Tighten the bottom bolt to the same torque.

**STEM REMOVAL****LOOSEN THE BOLTS**

Loosen or remove the three mounting bolts from the collet.

**WORK THE STEM LOOSE**

Loosen the stem by pushing down on the grips, alternating from left to right until loose.

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