

## PRODUCT SPECIFICATIONS

Depending on model,  
 Handlebar clamp diameter:  $\varnothing 31.8\text{mm}$  and  $\varnothing 35\text{mm}$   
 Length: 35mm - 50mm - 70mm  
 Rise:  $0^\circ$  -  $20^\circ$   
 Fork steerer tube:  $\varnothing 1\frac{1}{8}"$  ( $\varnothing 28.6\text{mm}$ ) only

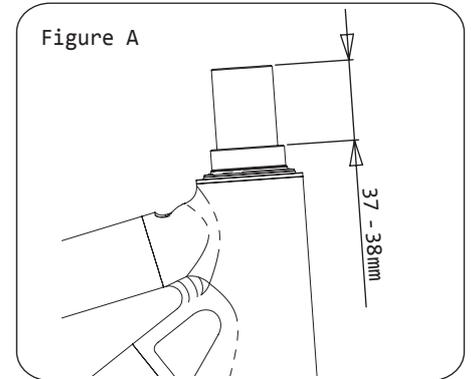
Tools required: 4mm Allen key, torque wrench

## BEFORE YOU START

Ensure that the steerer tube is cut cleanly and level and is free of any burrs (inside and outside). The stem should sit, once installed on the top of all headset parts and spacers, so that the steerer tube is approximately 2 to 3mm below the top of the stem. This is equivalent to 37-38mm of clear space on the steerer tube above all headset parts and spacer (see Figures A and B).

Ensure the steerer tube and handlebar clamp areas are both clean and dry (no grease!)

It is also advisable to remove all bolts from the stem and apply a small amount of grease to the threads and under the bolt head. If you are fitting Ti bolts, it is preferable to use copper slip grease or Ti-Prep to avoid seizing.



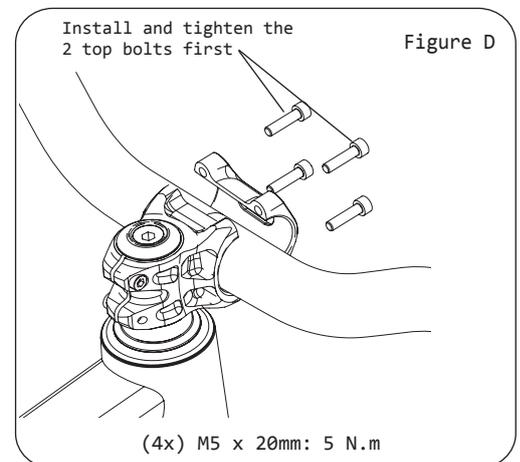
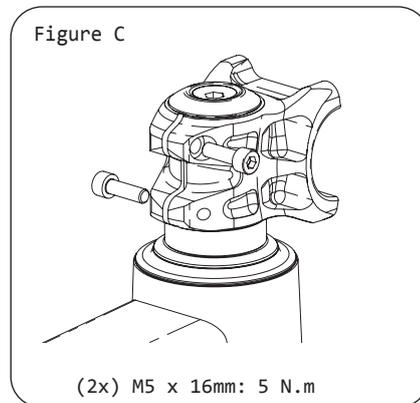
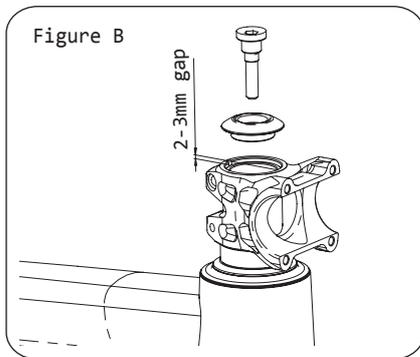
## INSTALLATION

Making sure the stem built in collar is facing up, slide the stem onto the steerer tube and push down until it touches the spacers. If not already done, at this stage, it will be necessary to undo the steerer tube bolts to allow the stem to slide freely onto the tube.

Install the top cap and compression bolt of the head doctor (or other adjustment device) as per manufacturer's specifications (typically, preload the headset bearings until all play is removed but rotation is still smooth (see Figure B).

Re-install the 2 greased steerer tube clamp bolts and slightly tighten them. When you are happy with the stem orientation (making sure the stem is in line with the front wheel!), tighten alternately the steerer tube clamp bolts to 5 N.m  
 Note: To help align the stem, the bars could be put in place and slightly tightened at this stage.

Install the handlebars and position the clamp. Install first the 2 top clamp bolts (previously greased) and slightly tighten them. When you are satisfied with the handlebars position, tighten the 2 top clamp bolts to 5 N.m. Alternate between the 2 bolts when tightening until torque setting is achieved. There should be an assembly gap at the bottom of the plate. Install the 2 bottom clamp bolts and tighten them alternately to 5 N.m (see Figure D).



## NOTE

Hope stems use custom stainless steel bolts. Do not substitute them for lower strength bolts. You can use Hope's Ti bolt upgrade. Ti bolts are Ti 6Al-4V grade. Again, do not use any lower grade bolts. Do not use shorter bolt length than the ones specified here. Full thread engagement is required.

## MAINTENANCE

Periodically check the hardware for tightness. Be careful not to over tighten the bolts. Periodically re-grease hardware using appropriate grease. Regularly inspect all parts of the stem for any sign of damage, especially after any big crash!

## WARRANTY

All Hope Technology components are covered for 2 years from original date of purchase against manufacturer defects in material and workmanship. Proof of purchase is required. Products must be returned to the original place of purchase or to Hope Technology to process any warranty claim. This warranty does not cover any damage caused through mis-use or failing to comply by the recommendations given in this manual. This warranty does not affect your statutory rights.