35 | 50 GRAVITY

HOPETECH.COM

CAUTION: READ THIS BEFORE INSTALLING YOUR STEM!

Riding bicycles can be dangerous. These instructions should be read thoroughly before installation. Failure to follow these instructions before installing and using Hope Technology components can result in severe injury or death.

BOX CONTENTS

- Stem
- 6 x Bolts

TOOLS REQUIRED

- 5mm Hex
- Torque Wrench

PRODUCT SPECIFICATIONS

Depending on Stem model:

- Handlebar clamp diameter: Ø31.8mm - Ø35mm
- Length: 35mm - 50mm
- Rise: 0°
- Fork steerer tube: Ø1 1/8" (Ø28.6mm) **ONLY**

HOPE WARRANTY

All Hope Technology components are covered for two years from original date of purchase against manufacturer defects in material and workmanship. Proof of purchase is required. Product must be returned to the original retailer 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.

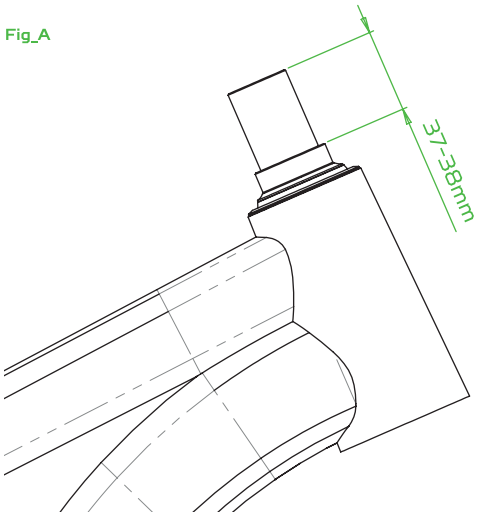
PRELIMINARY CHECKS

001_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 spacers **(See Fig A and B).**

002_Ensure the steerer tube and handlebar clamp areas are both clean and dry **(NO GREASE!)**

003_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.

Fig_A

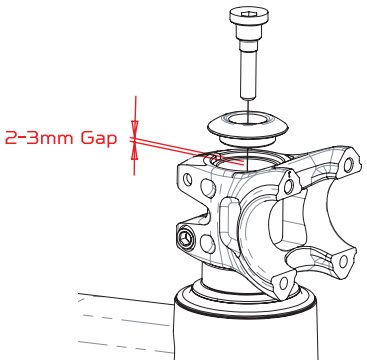


INSTALLATION

001_If not already done, undo or remove the steerer tube bolts to allow the stem to slide freely onto the tube, also remove both front clamps. Making sure the stem etching is facing up, slide the stem onto the steerer tube and push down until it touches the spacers or top of headset.

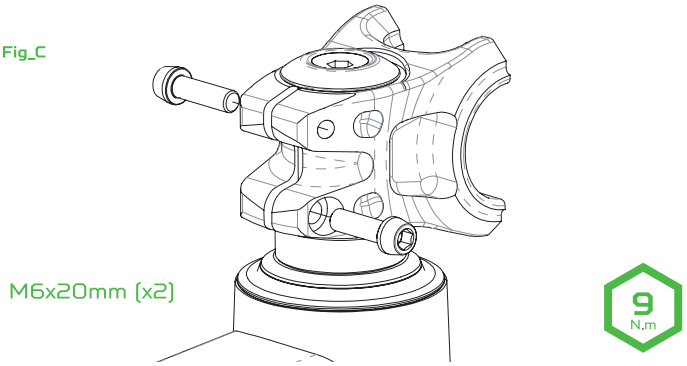
002_Install the top cap and compression bolt of the head doctor (Or other adjustment device) as per manufacturer's specifications (Typically preload the headset bearings until all play is removed but rotation is still smooth). **See Fig B.**

Fig_B



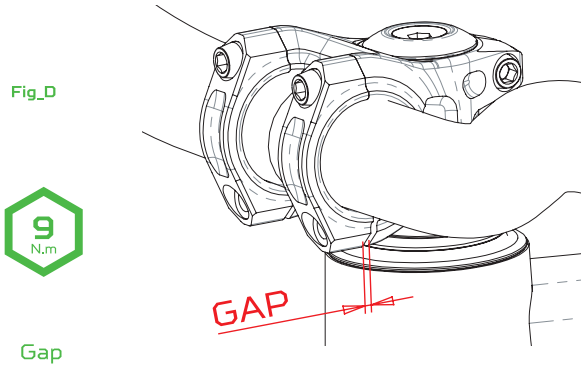
003_Re install the two greased steerer tube clamp bolts and slightly tighten them. When you are happy with the stem orientation (Making sure the stem is in line with the front wheel!), tighten the steerer tube bolts to **9 N.m**, alternating between the two bolts to ensure even clamping until torque setting is achieved. **See Fig C.**
NOTE: To help to align the stem, the bars could be put in place and slightly tightened at this stage.

Fig_C



004_Install the handlebar and position the two handlebar clamps. First, install the two top clamp bolts (previously greased) and slightly tighten them. When you are satisfied with the handlebar position, tighten the two top clamp bolts to **9 N.m**. Alternate between the two bolts when tightening until torque setting is achieved.
NOTE: There should be an assembly gap at the bottom of the plate. **See Fig D.**

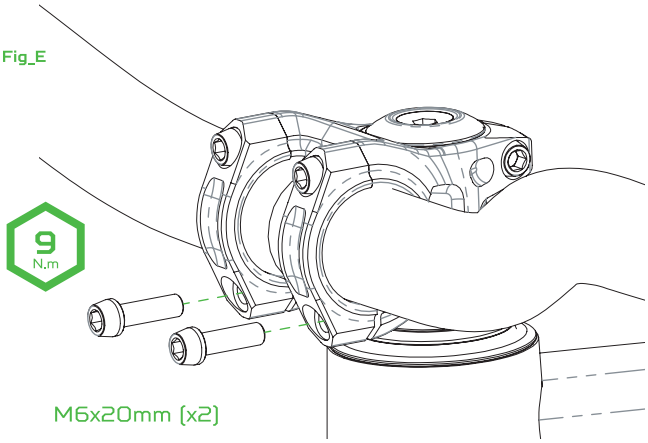
Fig_D



Gap

005_Install now the two bottom clamp bolts and tighten them alternatively to **9 N.m. See Fig E.**
NOTE: All custom Stainless Steel bolts used in the stem are 6.8 grade. **DO NOT** substitute them for lower strength bolts. You can use one of Hope's **Ti bolt upgrade kits.** Ti bolts are Ti 6Al 4V and custom made for Hope stems.
DO NOT use any lower strength bolts.
DO NOT use shorter bolt length than the one specified here.
FULL THREAD engagement is required.

Fig_E



MAINTENANCE

- Periodically check the hardware for tightness. Be carefull not to **over tighten** the bolts!
- Periodically regrease hardware using appropriate grease.
- Regulary inspect all parts of the stem for any sign of damage, especially after any BIG CRASH!

NOTES:

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