

GENETIC

Hyoid stem instructions.

Preparation.

Forks:

Ensure that the fork you are using is a traditional steel 1" threaded type, with an internal diameter on the fork steerer of 22.2mm.

Note: If the headset "stack height" exceeds 40mm we do not recommend that you use this stem.

Do not attempt to fit this stem on any other fork system (and especially not onto Carbon).

Ensure that the internal area of the steerer tube is clean and free from corrosion or imperfections..

Handlebars:

This stem is designed to accommodate traditional "Road" type handlebars with an external clamping area diameter of 26.0mm. Only use 26.0mm diameter handlebars with a maximum width of 500mm.

Note: The clamp on this stem is a "slotted circular" design, it is not possible to pass ovalised or other shape handlebar sections through this clamp. Further, the clamp is designed to allow conventional road bend shapes to be fed through, but may not allow particularly sharp bend shapes - note: Never force the clamp open to try and pass an unconventional shape through it.

Note: There are handlebars in the market that are similar to the "Road" standard but are the JIS standard 25.4mm. Do Not attempt to fit 25.4mm diameter handlebars into this 26.0mm clamp stem (unless additional special shims are used).

Do not exceed 500mm width, as the leverage effect will be too high and may cause damage and/or breakage.

Note: Do not use Carbon handlebars in conjunction with this stem.

Lightly grease the outside face of the stem shaft where it is inserted into the fork steerer tube (to help prevent future corrosion) – and also the outside face of the wedge.

Apply grease to the bolt thread that fits inside the expanding wedge – and also apply grease under the head of the bolt (to reduce friction when tightening).

Apply grease to the threads on the handlebar clamp bolt and also apply grease under the head of the bolt (to reduce friction when tightening).

Installation:

Loosen the stem wedge bolt so that the wedge is approx. a 2-3mm gap from the wedge shape of the base of the stem body.

Carefully insert the stem into the fork/headset to the desired height.

Note: The stem has a "minimum Insert line" laser marked - showing on the stem shaft.

Be sure that the minimum insert level is never showing above the top of the headset.

Note: If the headset "stack height" exceeds 40mm we do not recommend that you use this stem.

This stem allows approximately 25mm of adjustment between maximum and minimum heights.

Loosely torque the stem wedge bolt up (finger tight) – so that the stem remains located in the desired position – but, can be rotated/twisted in the fork if desired.



Handlebars:

Double check that the stem clamp has no imperfections and that the edges are not sharp.

Smear a small amount of grease to the handlebar stem clamp area to help prevent future corrosion of that joint. Wipe away any excess with a rag.

Carefully feed the end of the handlebar through the clamp.

Note: The nature of this process may require a little dexterity to enable the bends to pass the clamp. Do not force the clamp open.

Set the desired rotation of the bars and tighten the front stem clamp bolt to 120-140 inlbs (13.6-15.8Nm)

Setting:

Check the alignment of your front wheel/fork compared to your handlebars and hold the wheel with your knees and gently twist the stem as appropriate to set the correct alignment.

Release the front wheel from hold and apply fully torque to the stem wedge binder bolt 142-168 in-lbs (16-19Nm).

Re-hold the front wheel and apply excess turning force to the handlebars to ensure that the stem is fully tight with the fork.

Re-check/set the desired rotation of the bars and tighten the front stem clamp bolt to 120-140 inlbs (13.6-15.8Nm)

Apply excess twisting motion to the handlebars to ensure that the stem is holding the handlebars fully tight.

Apply a small blob of light/clear grease or oil to the bolt heads to help avoid future corrosion.

Maintenance:

Use care when riding for the first time, to ensure that everything is correctly tight and functioning correctly. Re-check the torque on the bolts after first 30minutes of riding.

To re-adjust the stem height:

Release the stem binder wedge bolt by approx.. 2 full turns only.

If the stem is not free to move, the wedge will need to be freed:

Using an allen type key tool inserted into the bolt head, "Tap" the stem wedge binder bolt with a hammer – so that it "drops". (This downwards tapping action will free the "wedge" inside the fork)

The stem should now be free to move.

Set the desired height and re-set the stem and fully tighten as noted in original installation.

These instructions were prepared in good faith December 2013.

All specifications are subject to alteration without notice.

If in doubt, please consult a professional bicycle mechanic.

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