

ASSEMBLY INSTRUCTIONS: TO BE USED ONLY WITH NON-THREADED STEERING TUBES.

- 1. Maximum performance of the headset will be achieved if the frame and fork are professionally prepared before installation. The head tube and fork crown race seat should be machined.
- 2. The upper head tube cup and lower head tube cup should be pressed evenly into the head tube using a press designed to engage the inside of the cups (not the outside edges).
- 3. Seat the fork crown race evenly onto the fork.
- 4. Coat the bearings and bearing races liberally with grease, install the bearing races and seals into the upper head tube cup and onto the fork.
- 5. Install the fork into the head tube.
- 6. Slide the upper cone with seal, compression ring, any stem height adjusters and stem onto the steerer tube. Note: the compression ring should fit snugly against the steerer tube and into the upper cup.
- 7. Mark the steerer tube at the top of the stem. Remove the fork and cup the steerer tube 3mm below this mark. A tubing cutter or hacksaw can be used for cutting the steerer tube. Remove any burrs caused by cutting the steerer tube with a file.
- 8. Reinstall the fork into the head tube and slide on the upper cone with seal, compression ring, any stem height adjusters and stem onto the steerer tube.
- 9. Install the Star-nut adjustment or compression plug (for all carbon fiber steerers) system into the top of the stem and steerer tube.
- 10. Tighten the adjustment bolt with a 5mm hex wrench to set the pre-load of the bearings.
- 11. Once you have set the pre-load of the bearings, tighten the stem clamp according to the manufacturer's instructions securing the stem to the steerer tube and locking in the bearing pre-load adjustment.

Please note: it is essential that the stem is securely tightened to the steerer tube

If the headset needs adjustment after an initial break-in period, loosen the stem clamp and use the adjustment bolt to set the proper pre-load. Re-tighten the stem clamp as recommended by the manufacturer.



RITCHEY LOGIC THREADLESS HEADSETS P



TOP CUP

LB/LB Plus logic Wes/logic PRO/logic Comp Scuzzy Logic PRO Scuzzy Logic Comp Zero Logie PF/Zero Logie Comp PF

Zero Logic Wes PF Zero Logic PRO PF

Zoro Logic Wes CF Zero Logie MCS Zero Logic PRO Zero Logic Comp



..... compression ring



...... top cone



seal (Not in all models) top cone



compression ring





... bearing (bearing retainer or semi integrated))



cartridge bearing ..







BOTTOM CUP



bottom cub .





bearing (bearing retainer or semi integrated))



.... cartridge bearing



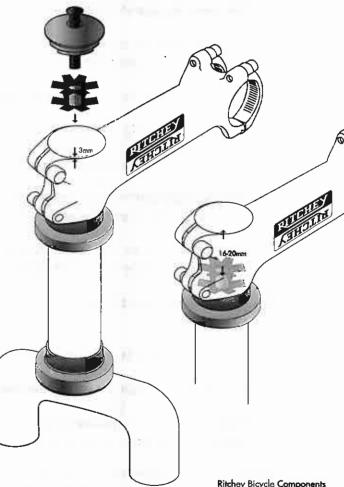






BASIC DIAGRAM

Star-nut adjustment system



SPECIFICATIONS SUBJECT TO CHANGE. ***UNDER SUBLICENSE US PATENT** #5,095,770 AND OTHER RELATED PATENTS

Ritchey Bicycle Components 575 Old County Road San Carlos CA 94070 info@ritcheylogic.com