



ANGLESET™



KEYS TO PROPER ANGLESET INSTALLATION

- Use a workstand** Trying to install an AngleSet while the bike is laying on the ground, or any other orientation other than upright, won't ensure proper installation.
- Remove front wheel from fork prior to install** It is more difficult to install the AngleSet with the front wheel installed. Having the front wheel in the fork makes the fork assembly heavier, more prone to "tipping" and simply harder to handle.
- Star Nut** A crooked Star Nut does not allow proper headset preload to be obtained or maintained. Star Nuts should be installed with a tool dedicated to Star Nut installation and should be straight, meaning the headset preload bolt should be concentric with the fork steerer.
- Tight triple clamps** If the triple clamp is tight on the fork stanchions and/or the fork steerer, AngleSet installation will be more difficult. In this situation, a second set of hands is useful to stabilize the AngleSet assembly during the installation of the triple clamp. The orientation of the gimbals needs to be maintained while the triple clamp is installed.
- Tight stem** If the stem is tight on the fork steerer, proper AngleSet installation will be more difficult. In this situation, a second set of hands is useful to stabilize the AngleSet assembly during the installation of the stem. The orientation of the gimbals needs to be maintained while the stem is installed.
- Gimbal alignment** Before seating the upper and lower gimbals, ***always*** make sure they are concentric to the steerer-tube and parallel to each other. Getting them right before applying pressure is ***critical***.

For additional installation tips, see our step-by-step video at www.canecreek.com/tech-headsets

CRITICAL INSTRUCTIONS. READ FIRST!

For the AngleSet to work properly, it is critical to align parts correctly and apply a proper amount of preload. Follow these steps with the AngleSet installation.

1. Both hands will be required for proper assembly. Firmly clamp the bike in an appropriate work-stand during installation. Also, be sure to remove the front wheel from the fork. If you have a dual crown fork, go ahead and remove the upper triple clamp from the fork assembly as well as the lower crown/steerer-tube assembly.
2. Install headset cups and crown race according to the AngleSet Instruction sheet (fig 3A). Take care to align the offset cup(s) with the axis of the frame in either the steeper or slacker orientation.
3. Install the star-nut inside the steerer-tube, ensuring that it is correctly aligned with the axis of the steerer (fig 3A). Star-nuts that are inserted “crooked” will make proper setup and preload difficult or impossible. Cane Creek recommends using a dedicated star-nut installation tool.
4. Place lower headset bearing on the crown race and then slide the lower gimbal onto the lower bearing (fig 3B). Ensure that these parts mate squarely with each other. The “gap” between the gimbal and the fork crown should be a uniform thickness all the way around the gimbal. Set fork assembly aside.
5. Pre-assemble upper gimbal, upper bearing, and compression ring (fig 4A).
6. If the fork is a dual crown design, it is recommended that the fork legs be separated from the upper triple clamp and lower crown/steerer-tube assembly. Having a lightweight, easily maneuverable assembly will facilitate precision alignment. In all cases, the front wheel should be removed from the fork during assembly.
7. Apply a light coating of high-quality grease to the cups, on the surface where the gimbals contact the cups (fig 4A).
8. Grasp the fork assembly (lower crown assembly for dual crown forks) by the crown while stabilizing the lower gimbal assembly. Pulling down slightly on the lower gimbal assembly will help to center the bearing on the crown race during installation. Always ensure that the lower gimbal assembly is square with the steerer-tube (fig 4A).
9. Slide steerer-tube through head-tube of bike but do not allow lower gimbal assembly to contact lower cup at this time.
10. Slide upper gimbal assembly onto upper steerer-tube but do not allow upper gimbal assembly to contact upper cup at this time.
11. Stabilize the lower gimbal assembly and compress the upper gimbal assembly with your other hand, then slide the fork into the frame until the lower gimbal just touches the lower cup (fig 4B #1).
12. Without applying pressure to the lower gimbal/cup interface, slide the upper gimbal down the steerer until it just touches the upper cup. The goal is to have each gimbal seat into their respective cups at the same time (4B #2).
13. While still holding the assembly, check that the gimbals are concentric with the steerer-tube and parallel to each other. Inspect the alignment from the front and side of the bike. **This step is what separates a “good” install from a “poor” install.** If the gimbals need to be moved slightly to achieve alignment, use finger pressure or a small flat-blade screwdriver to properly orient them. Once properly aligned, firmly press the assembly together to initially seat the gimbals. Once seated, the gimbals will not easily move. **Getting them right before applying pressure is critical.**
14. Maintain pressure on the bottom of the fork crown to hold it in place while assembling the top cover, spacers, and stem (upper triple clamp for dual crown forks) (fig 4C). The goal is to install these components without disturbing the alignment of the gimbals. If any component of this assembly is tight, take extra care not to misalign the gimbals while installing the tight-fitting component.
15. Tighten the headset preload bolt to 30 in-lbs. Then tighten the stem bolts/triple clamp bolts to their recommended specification (fig 5).