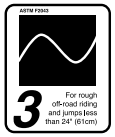
CARBON FORK STEERER INSTRUCTIONS

⚠ **WARNING:** CYCLING CAN BE DANGEROUS. BICYCLE PRODUCTS SHOULD BE INSTALLED AND SERVICED BY A PROFESSIONAL MECHANIC. NEVER MODIFY YOUR BICYCLE OR ACCESSORIES. READ AND FOLLOW ALL PRODUCT INSTRUCTIONS AND WARNINGS INCLUDING INFORMATION ON THE MANUFACTURER'S WEBSITE. INSPECT YOUR BICYCLE BEFORE EVERY RIDE. ALWAYS WEAR A HELMET.

Additional safety info can be found at: hellerbikes.com/safety

Compatibility & Intended Use



Heller forks are intended for ASTM 3 conditions, defined as rough trails, rough unpaved roads, rough terrain, and unimproved trails that require technical skills. Jumps and drops should not exceed 24" (61cm). They are NOT INTENDED for hardcore freeriding, extreme downhill, dirt jumping, slopestyle, or very aggressive or extreme riding.

Intended Wheel & Tire Size	26 x 4.0" on 80mm rim
Alternative Wheel & Tire Size(s)	26 x 3.8–4.25" on up to 100mm rim 26 x 4.3–4.7" on up to 80mm rim 27.5 x 3.0–3.25" (27.5-plus) 29 x 2.3–3.0" (includes 29-plus)
Steerer Tube	1-1/8– 1.5" (28.6–40mm) tapered
Hub	150 x 15mm thru-axle
Brake	74mm post mount (160–180mm rotor)

IMPORTANT NOTE: Tire compatibility guidelines above are for general reference purposes only. Heller Bikes recommends no less than 6mm of clearance between the tire, wheel, fork, and frame.

Tools Required

Crown race setting tool

Hammer/mallet

Hacksaw with a fine 32 tpi tungsten carbide steel blade

Steerer tube cutting guide (recommended)

Allen wrenches: 4, 5, 6mm

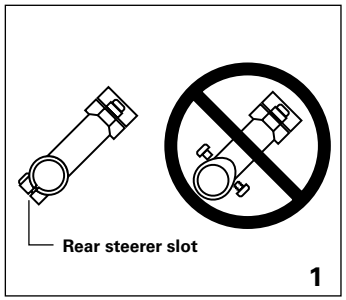
Torque wrench that measures in Newton meters

Stem & Headset Preparation

1. Verify that the fork, headset and all required parts for proper assembly have compatible dimensions. The fork, headset, headset spacers, and stem steerer clamp must have compatible diameters. Incorrect use of components can cause component failure.

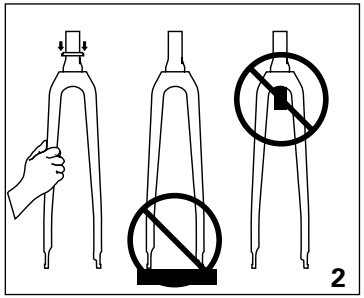
   Visit headsetfitfinder.com to verify fork-to-frame compatibility options.

   Visit bicycleheadsets.com to learn more about headset fit and the new Standardized Headset Identification System (SHIS).
2. Make sure any stem or headset parts that come into contact with the steerer tube are free of burrs or sharp edges. Remove burrs or sharp edges with fine-grit sandpaper.
3. Only use rear slot-style clamping stems on carbon steerers. Wedge-clamp stems must not be used and could result in failure (figure 1).

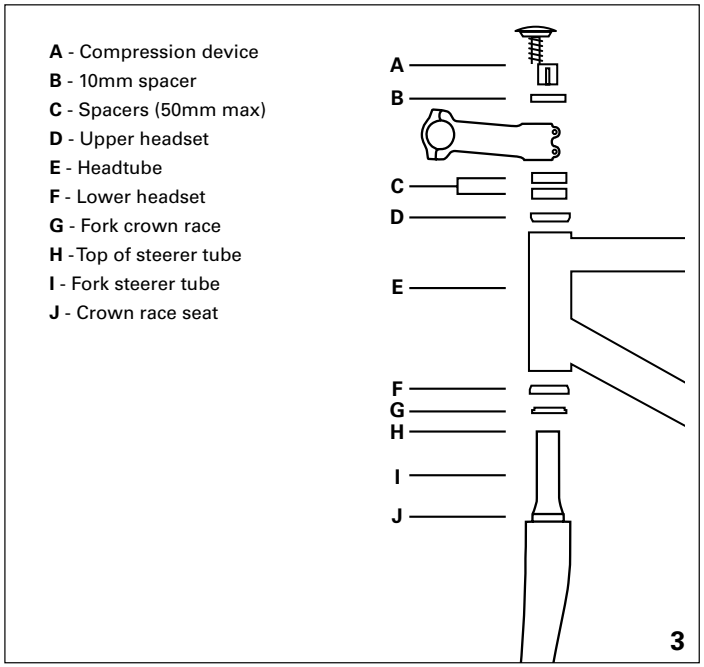


Fork Preparation

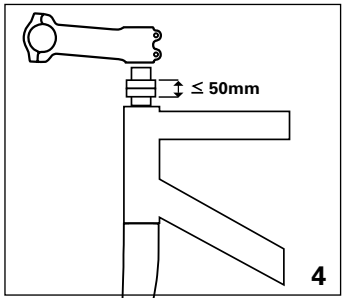
1. Install crown race according to manufacturer's instructions. Do not place the fork on the dropout tips or crown while installing the race. Doing so can damage the fork and could cause failure (figure 2).

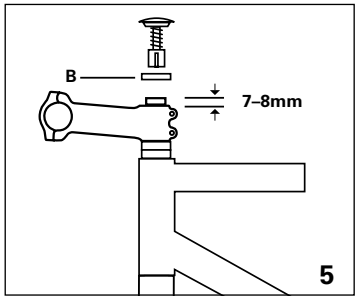


2. Assemble the fork, headset and any spacers in the headtube of the bicycle and install the stem (figure 3).



3. The spacer stack between the headset and stem must not exceed 50mm (figure 4).
4. A carbon steerer tube must extend 7–8mm above the top of the stem clamp and have a 10mm spacer installed between the stem and top cap (figure 5).





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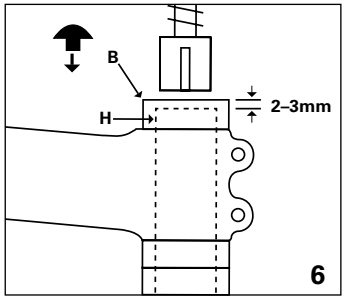
5. Carefully measure and mark the amount of steerer tube to be removed. Remember that, when cut, the top of the steerer tube must be 2–3mm below the top of the headset spacer/stem assembly (figure 6).

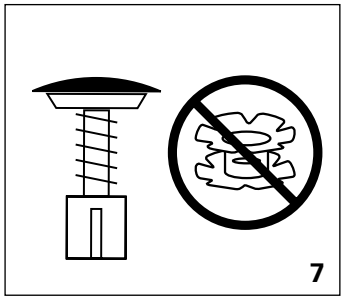


6. Remove the fork from the headtube.
7. Make certain that you do not cut the steerer tube too short—measure twice, cut once.

CARBON STEERER CUTTING

1. Using a new fine-tooth hacksaw blade (preferably a carbon-specific blade) and proper cutting guide, cut the steerer tube.
2. Using a synthetic scouring pad, remove burrs and sharp edges.
3. Using rubbing alcohol, clean the steerer tube and inside of the stem clamp to remove grease and dirt.

⚠ **WARNING:** Never use a star nut with a carbon steerer tube fork (figure 7). Star nuts can only be used with aluminum steerer tube forks. Use only a compression device designed for carbon steerers.



Fork Installation

1. Assemble the fork, headset, headset spacers in the headtube of the bicycle and slide on the stem and 10mm spacer. Insert headset compression adjustment device (compression plug) into steerer and adjust headset tension using appropriate tool according to the headset manufacturer's instructions. If torque specifications are not provided, tighten to 1.6Nm (15 in-lb).
2. Tighten stem steerer clamp bolts to stem manufacturer's recommended torque specifications.
3. Install and adjust the front brake following the brake manufacturer's instructions.

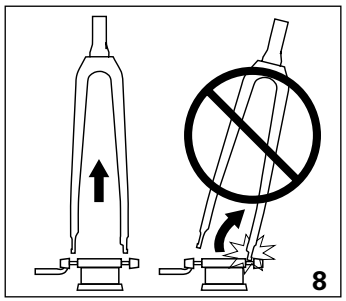
   ⚠ **WARNING:** Failure to properly install and adjust brakes can result in serious injury.
4. Install the front wheel according to the thru-axle manufacturer's instructions.

   ⚠ **WARNING:** Failure to properly adjust the quick release thru-axle to secure the wheel can result in serious injury.

Fork-Mount Bicycle Racks

1. When using a fork-mount (axle dropout-clamping) bicycle rack, always ensure the clamp is closed securely to prevent dropout and/or bike damage. If the clamp is set too loosely the bike can fall out of the rack.
2. When removing the fork from the clamping device make sure to pull/push straight up allowing the dropouts to be removed evenly and at the same time. Do not tilt the bike to remove it from the clamping device, as dropout damage can result (figure 8).

   ⚠ **WARNING:** Dropout damage can cause component failure, which can result in serious injury.



Ongoing Maintenance

⚠ **WARNING:** Do not modify the fork, other than cutting the steerer tube to the correct length for your bicycle. Modifying the fork could cause fork or other component failure resulting in serious injury

1. Loosen the stem's steerer clamp bolts before making any stem-to-fork alignment adjustments.
2. Periodically remove, clean, and inspect your fork for damage, cracks, or any other damage. Any questions about marks or cracks on the fork should be directed to your Heller Bikes dealer immediately.
3. Regularly inspect all components for any damage (cracks, chips, etc.) and replace components upon detection.
4. In the event of a crash or impact, carefully inspect handlebars, fork, stem, seatpost, wheels, and the frame for any visible damage. As with any component under varying degrees of stress there is a fatigue life that is proportional to the type of use and abuse applied to the part. Always inspect your components before a ride. If you have doubts about the integrity and condition of any part, replace it. Consult your dealer if you are unsure about the condition of your components or any part of your bicycle.

Warranty Registration:

Proof of purchase is required before a warranty claim is processed. Heller Bikes therefore strongly encourages warranty registration at hellerbikes.com. Failure to register will not affect consumer rights under the limited warranty, so long as the consumer can show in a reasonable manner proof of original ownership and the date the Heller Bikes product was purchased.

If you have any questions contact support@hellerbikes.com

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