

MOOTS CARBON FORKS INSTALLATION INSTRUCTIONS



WARNINGS: Failure to heed these warnings, or follow these installation instructions can result in component failure. Component failure can lead to loss of control of the bicycle and result in serious personal injury or death.

MOOTS carbon forks are not approved for tandem use. MOOTS carbon forks are intended for use on paved roads only.

Your MOOTS carbon fork should not be modified in any way, other than cutting the steerer tube to length for your bicycle. Modifications to your MOOTS carbon fork could cause fork or other component failure resulting in serious personal injury or death.

INSTALLATION: MOOTS carbon forks should only be installed by a qualified bicycle mechanic. To make sure you experience the best performance and longest life from your MOOTS carbon fork, please read and follow carefully these installation instructions.

MAINTENANCE: Regularly remove, clean and inspect your MOOTS carbon fork for any damage or cracks. If you are concerned about a mark on the fork, consult an Authorized MOOTS Dealer immediately. If you have any concerns about the integrity of any part, do not continue to use it and replace it.

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INSTALLATION INSTRUCTIONS – MOOTS CARBON FORK

PREPARATION OF COMPONENTS:

- (1) Verify that the headset, frame and fork you are using have compatible diameters.
- (2) Verify that all components are free of sharp edges and burrs. Remove any burrs or sharp edges carefully with sand paper.

PREPARATION OF FORK:

- (1) Avoid scoring or scratching the steerer tube. Damage to the steerer tube could result in failure.
- (2) Apply a small amount of grease to the fork crown race landing.
- (3) Hold one leg of the fork and using a race seating tool, install the headset crown race. Do not place the fork on the drop-out tips or crown while installing the race, doing so could damage the fork and cause failure
- (4) Assemble the fork, headset and spacers in the head tube of the bicycle and slide on the stem.
- (5) Amount of spacers below the stem must not exceed **30mm!**
- (6) The steerer tube will need to be cut flush with the top of the stem clamp.
NOTE: During final assembly the steerer tube plug will extend above the cut steerer tube by 2mm making it necessary that a 5mm spacer be installed between the top cap and the top of the stem clamp.
- (7) Measure and mark the amount of steerer tube to be removed.
- (8) Remove the fork from the bicycle.
- (9) Be certain you are not cutting the steerer tube too short!
- (10) Using a proper cutting guide and a new fine tooth hacksaw cut the steerer tube.
- (11) Sand the rough edges of the cut until smooth.

(12) Clean the inside of the steerer tube at the stem clamp area with alcohol and allow to dry.

WARNINGS: MOOTS carbon forks are designed to be used with the supplied steerer tube plug only. Do not use a star fangled nut with your MOOTS carbon fork.

(13) Holding the fork securely, install the steerer tube plug without top cap flush to the top of the steerer tube using a 6mm hex wrench. Verify that the plug is secure inside the steerer tube and does not move.

INSTALLATION OF FORK:

- (14) Install the fork, headset and spacers. Slide on stem and install 5mm spacer, top cap and top cap bolt.
- (15) Tension headset according to headset manufacturer's instructions. If torque specification for headset is not supplied by headset manufacturer, tighten to 1.6 Nm (15 in/lbs).
- (16) Verify that stem is properly aligned and tighten steerer clamp bolts. Do not exceed 6 Nm.
- (17) Install the front brake according to brake manufacturer's instructions.
- (18) Install the front wheel according to the wheel manufacturer's instructions.
- (19) Make adjustments to the front brake following the brake manufacturer's instructions.

VEHICLE RACK COMPATIBILITY: If you are using a drop out clamping bicycle rack with your MOOTS carbon fork, the drop outs should be clamped securely to prevent damage to the bicycle and/or the drop outs. Be sure to remove both drop outs evenly and at the same time when removing the fork from a drop out clamping rack. Drop out damage can occur if the bike is tilted to one side while being removed from the clamp. Drop out damage can result in component failure, which can result in serious personal injury or death.