ENVE® Composites, LLC
Ogden, UT 84404, USA

ENVE® Thru Axle CX Fork Installation

Tools Required:

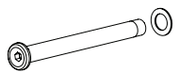
- 4 / 5 / 6 mm Hex
- Mitre Block or Steerer Tube Cut Guide
- Fine tooth hack saw (32 TPI or higher)
- Fine grit sandpaper (100 grit or higher)
- Race setting tool
- Electrical tape
- Synthetic grease

Included Hardware:

1x Brake Hose Clasp:



1x 12mm Axle & Washer:

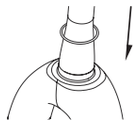


1x Compression Plug:



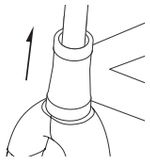
Measuring Steerer Tube for Cutting
Step 1 :

Install lower crown race to the bottom of the steerer tube. While driving crown race into place, hold fork in hand and use crown race setter to avoid damage to the fork drop outs.



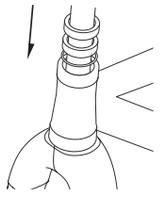
Step 2 :

Put the steerer tube through the head tube until secure against the head set.



Step 3 :

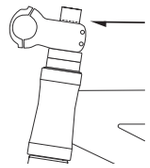
Set the upper crown race and desired amount of spacers on the steerer tube. NOTICE: Max stack height is 30mm.



Step 4 :

Install stem onto steerer above the spacers without tightening the bolts. Mark the steerer tube directly above the stem to mark the cut location.

Note: The cut will be made 2mm below this mark.



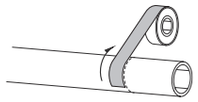
Step 5 :

Disassemble the fork by removing stem, spacers and upper crown race and then removing the fork.

Cutting Steerer Tube
Step 1 :

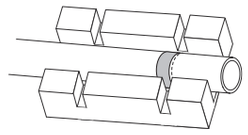
Wrap electrical tape around steerer 2mm below the pencil mark.

Note: The tape will prevent the carbon fibers from lifting off the steerer tube while cutting and damaging the headset upon install.



Step 2:

Align steerer tube in cutting guide or mitre block and begin cutting with the fine tooth hack saw. After the cut is made, remove electrical tape.



Step 3:

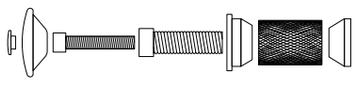
Lightly sand the edge of the newly cut surface with the 100 grit sandpaper. Look for and remove any extruding fibers. Stop once the edges are smooth and slightly beveled.

Step 4:

Reinstall fork into the head tube. Set only the upper crown race and spacers into position.

Installing ENVE Compression Plug
Step 1:

The ENVE compression plug must first be disassembled to install. Separate all parts:



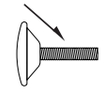
A: Remove top cap bolt and top cap

B: Disassemble compression assembly: Lower wedge, upper wedge and compression bolt all separated.

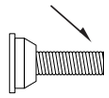
Step 2:

Apply small amounts of synthetic grease to the following locations:

A: Threads of top cap bolt



B: Threads of compression bolt



C: Around the pitched surface of the upper wedge



D: Around the pitched surface of the lower wedge

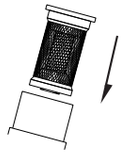


Note: DO NOT APPLY GREASE TO THE KNURLED SLEEVE.

The secure fit of the plug will be compromised if grease is applied to the knurled aluminum sleeve.

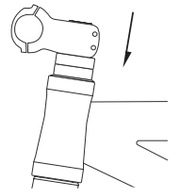
Step 3:

Reassemble the compression assembly with exception of top cap bolt. Tighten compression bolt so that the plug must be gently pressed into the steerer tube above the stem rather than dropped in. Once placed into steer tube, tighten compression bolt to 8Nm.



Step 4:

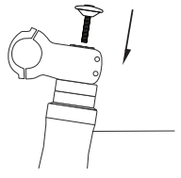
Install stem on steerer tube above spacers. Partially secure stem to steerer tube and align the stem to the direction of the wheel.



Step 5:

Install the top cap by inserting the top cap bolt through the top cap and tighten until the recommended preload for the headset is achieved.

Note: Place a 5mm spacer in between the stem and the top cap to ensure stem has complete contact with steerer tube.



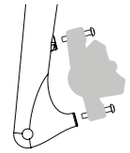
Step 6:

After double checking the alignment of the stem with the wheel tighten stem bolts evenly to manufacturer's recommended torque specifications. Insert rubber bolt cap cover over the top cap bolt.

Tech Note: Incrementally alternate tightening the stem bolts to ensure proper torque is applied.

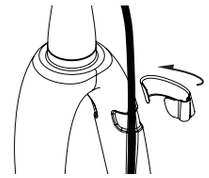
Installing Disc Brakes
Step 1:

Install brake caliper per manufacturer's recommendation. Note: Max rotor size is 160mm with adapter.



Step 2:

Install cable clasp over brake line and wrap the clasp around the fork until it snaps into place.



Wheel Installation

Install the wheel in the fork dropouts with brake rotor facing the non-drive side of the bike. Insert axle through dropout and through the hub. Fasten axle with 6mm allen key to 8 Nm. Bolt head should be fastened on drive side only.

NOTICE: Do not grease axle threads.