

CrankTank 4 Fitting Instructions

Overview.

Fitting the CrankTank4 to your bike for the first time is a simple, commonsense job and should take no more than a few minutes. Place onto the down tube and then slide down locating against the seat tube. Secure using the wide (50mm) hook and loop D buckle straps. The quick disconnect insulated drinking tube is then routed to your liking, the tube keeper fitted to your preferred position and then the tube trimmed to your desired length.

CrankTank4 Parts List:

- 1 x CrankTank4 bottle with quick disconnect cap
- 1 x 120cm/47in Insulated drinking tube with quick disconnect fitting.
- 2 x D buckle 50 mm wide hook and loop straps. (To secure the bottle.)
- 2 x 20 mm wide 280 mm long hook and loop straps. (To secure the tube.)
- 1 x 180 mm x 25 mm x 1.5 mm self adhesive rubber strip
- 1 x 80 mm x 25 mm x 3 mm self adhesive rubber strip
- 1 x 180 mm x 48 mm x 0.18 mm polyethylene anti abrasion tape
- 1 x nylon tube keeper
- 2 x zip ties for tube keeper
- 1 x 4 cm piece of heat shrink tubing. (For use if tube is shortened.)

Mounting the CrankTank4 to the frame.

The bottle is designed to fit into the frame with the cap adjacent to the down tube of the bike which allows the drinking tube to be run up the down tube to your desired position. (While this is the the way it is intended to be mounted, the design allows for it to possibly be mounted in the opposite way if frame and tube dimensions allow, i.e., so the cap is adjacent to the seat tube. Mounting this way may allow the use of a deeper frame bag if that's your preference.)



1. Cut four 2 cm pieces of the 1.5 mm rubber self adhesive strip. Position these on the angled walls of the front "V", two top, two bottom. (See pic.) Press firmly to ensure good adhesion.



2. Place the bottle over the down tube making sure that all four rubber pads are making contact. Slide the bottle along the down tube until the rear "V" engages with the seat tube. Once positioned, determine where along the rear "V" contact is being made with the seat tube. (This will vary according to frame angles. For most mountain bikes the contact will be at the top whereas for road, touring and gravel style bikes it will most likely be lower in the "V".) Mark the contact position on the bottle. Cut two further 1.5 cm pieces of rubber strip and place them at the contact points in the "V". If the contact point is at the very bottom of the bottle use the 3 mm rubber and position it at the bottom of the "V". Once the rubber pads are in position the bottle should sit firmly into the frame without sideways movement. Use the thicker rubber if you have any movement.



3. Apply the anti abrasion tape to the bike frame. Once the rubber pads are positioned, put the bottle back into the frame and mark where the pads contact the frame. Cut the desired length of anti abrasion tape for each pair of pads and apply to the clean and dry area of the frame. The tape has a pressure sensitive adhesive so ensure that it is applied very firmly. Round the corners of the cut pieces to reduce the possibility of lifting.

Fitting the Insulated Drinking Tube

The routing of the drinking tube and positioning of the keeper is entirely your personal preference. This is how we do it. Run it up the rhs of the down tube, around the front of the head tube, fix under the lhs of the handlebar using one of the pieces of hook and loop. Then loop it across the top tube and fit it into the tube keeper mounted on the rhs side of the handlebar. The keeper is designed so it can mount in two orientations so the choice is yours. There's no right or wrong position or way, just the best way for you, so take the above as a suggestion only.

1. Fit the drinking tube to the top of the cap. (It will simply push on. Press the grey button to remove it. It may be firm initially but will ease with use. A little water or edible oil on the quick disconnect O ring helps.)
2. Decide on your preference for your tube routing and keeper location.
3. Cut a piece of the self adhesive rubber strip and fit it to the underside of the keeper if you like. Fit the keeper to your preferred position using the two zip ties.
4. Determine your desired drinking tube length and cut at the **bite valve end** to suit. Use some electrical tape or similar around the cut end of the insulating sleeve. Remove the bite valve from the discard piece.
5. Slip on the piece of heat shrink tubing if you are going to use it. (You will need a heat gun or similar heat source to shrink it.)
6. Re-fit the bite valve. Slide the insulating tube up to the bite valve then the heat shrink tube up over the bottom of the bite valve and apply heat. (You can use electrical tape instead of the heatshrink with reasonable success if you don't have access to a heat gun.)

Put some water in it. Go ride.

Optional Neoprene Cover Fitting.

This is pretty easy to figure out but simply, the two sides with the three tabs fasten centrally under the down tube, the sides with the wide and narrow tabs fasten centrally behind the seat tube.

From experience, when I want to remove the CrankTank4 for refilling, I just undo the down tube tabs, lift the cover up and re-fasten a couple of the tabs above the top tube. It keeps it out of the way while the CrankTank4 is removed and then re-fitted. It makes refitting the cover easier.

