



## Wren Suspension Fork Travel and AC Adjustments

There are videos on <https://wrensports.com/tech-resources/> that show how to service and adjust the Wren fork.

All Wren forks can be adjusted for travel only or, AC (axle-to-crown length) and travel together and equally in 10 mm increments. We include the necessary travel clips with each fork. All adjustment is done on the air side only.

The adjustment range for travel only is:

110 mm travel forks can be reduced to 100, 90 or 80 mm of travel

150 mm travel forks can be reduced to 140, 130 or 120 mm of travel

The adjustment range for AC / travel together is:

530 mm AC / 110 mm travel forks can be reduced to 520 / 100, 510 / 90 or 500 / 80

570 mm AC / 150 mm travel forks can be reduced to 560 / 140, 550 / 130 or 540 / 120

### Travel only adjustment instructions:

Place your bike in a work stand and remove the front wheel.

1. Remove the blue air cap from the left leg. You do not have to release all air from the fork for TRAVEL ONLY adjustments.
2. Loosen and carefully remove the air spring assembly nut (large silver nut below the blue air cap) with a 26 mm socket. This nut is low profile and care should be taken to firmly engage the socket. Flat bottom sockets are recommended. DO NOT remove the red air spring assembly cap.
3. Unscrew the collar on the stanchion by hand. A piece of old tube can be used as a grip. Now the air spring can be pulled out including the air side stanchion from the bottom of the fork.
4. The rod you see on top of the stanchion is the top of the air spring. You will see a black clip already attached to the top of the rod. This is a safety clip to prevent damage to the fork should you bury the fork off a big jump. This clip ALWAYS remains in the top position on the rod.
5. Install the 10 mm, or 20 mm, or both clips for 30 mm of reduction directly below the black safety clip. You do this by "clipping" it on the rod through the cutout on the side of the clip. That's all there is to it!
6. Before inserting the stanchion back into the upper tube, if you have been riding the fork, check that the bushings and keys are properly greased.
7. Now slide the stanchion back up into the upper tube. Push up on the bottom of the stanchion so you can fully engage the 26 mm nut onto the air spring threads and tighten to 10 Nm with a torque wrench.
8. Slide the stanchion collar up and tighten as much as possible by hand using the piece of old tube for grip.

## **AC / Travel adjustment instructions:**

**Warning: At this stage, please absolutely make sure that all the air has been released from the air spring unit to avoid severe or fatal injuries. TwinAir forks must be emptied top and bottom.**

Place your bike in a work stand and remove the front wheel.

1. Remove the blue air cap from the left leg. Be sure all air is released from the fork.
2. Loosen and carefully remove the air spring assembly nut (large silver nut below the blue air cap) with a 26 mm socket. This nut is low profile and care should be taken to firmly engage the socket. Flat bottom sockets are recommended. DO NOT remove the red air spring assembly cap.
3. Unscrew the collar on the stanchion by hand. A piece of old tube can be used as a grip. Now the air spring can be pulled out including the air side stanchion from the bottom of the fork.
4. The rod you see on top of the stanchion is the top of the air spring. The rod goes through the stanchion assembly cap on top of the stanchion. This cap has two holes. Use a pin wrench in these two holes to loosen and remove this cap from the stanchion.
5. Grab the rod by hand and pull the air spring assembly out of the stanchion. This may take a little effort.
6. For this adjustment, the clip is placed on the bottom of the air spring rod below the spring and above the white piston. Install the 10 mm, or 20 mm, or both clips for 30 mm of reduction in this position. You do this by “clipping” it on the rod through the cutout on the side of the clip. That’s all there is to it!
7. Before inserting the air spring back into the stanchion, if you have been riding the fork, check that the coil springs and o-rings on the piston are properly greased.
8. Insert the air spring back into the stanchion white piston first. You will have to release air through the top valve as you push the air spring back into the stanchion. CAREFULLY thread the stanchion assembly cap back into the stanchion making sure not to cross-thread the cap and securely tighten with the bent nose pliers.
9. Before inserting the stanchion back into the upper tube, if you have been riding the fork, check that the bushings and keys are properly greased.
10. Now slide the stanchion back up into the upper tube. Push up on the bottom of the stanchion so you can fully engage the 26 mm nut onto the air spring threads and tighten to 10 Nm with a torque wrench.
11. Slide the stanchion collar up and tighten as much as possible by hand using the piece of old tube for grip.

Should you ever have any questions or need any parts for your fork, please visit <https://wrensports.com/fork-replacement-parts/>. Call 201-588-5949, or email [russ@wrensports.com](mailto:russ@wrensports.com).

Thank you for riding Wren!

