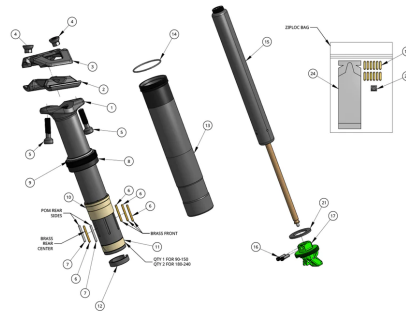


V3 Dropper Cartridge Replacement Instructions

Tools needed

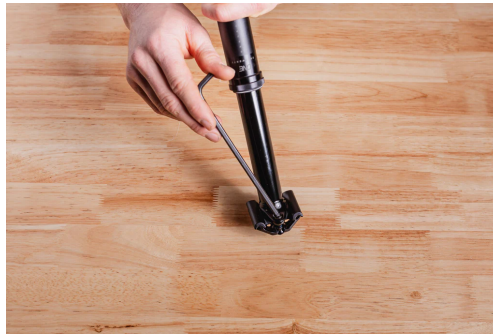
- V3 Dropper Cartridge (90,120,150,180,210,240)
- 2 & 5mm hex
- 14 mm Wrench
- Lint-free Cloth

COMPLETE EXPLODED VIEW & PARTS LIST

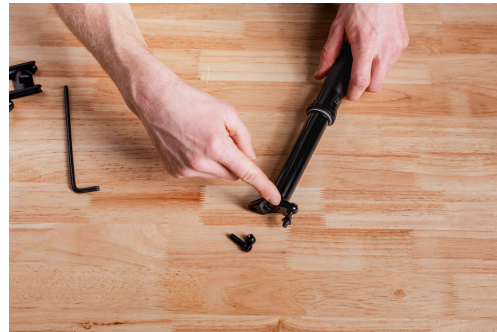


STEP 1: SEAT CLAMP ASSEMBLY

Unthread rear **clamp bolt** (5) using your 5mm hex key. Remove **clamp nut** (4) & **upper clamp** (3). You can then remove your saddle & the **lower clamp** (2). Clean assembly and put aside until the end of this service.



TIP: Leave front **clamp bolt** (5) & don't adjust it. When you reinstall the seat, torque the rear **clamp bolt** to 8Nm (70 in-lbs) and your seat angle will remain correct.



STEP 2: PARTIALLY COMPRESS DROPPER

Actuating the dropper by hand, compress the dropper half way through its stroke.

STEP 3: UNTHREAD ACTUATOR FROM LOWER TUBE

Using your 14mm wrench, unthread the **actuator** (17) from the **lower tube** (13).



STEP 4: UNTHREAD CARTRIDGE FROM UPPER TUBE

With the seat clamps removed, the top of the **cartridge** (15) will be exposed. Using a 5mm hex key, unthread the **cartridge** in the direction of the arrow (counter-clockwise). The **cartridge** will unthread downward into the **upper tube** (1) and you'll be able to drop the **cartridge** out the bottom of the sliding assembly (**upper & lower tubes**). It's recommended you perform this step with the post horizontal to avoid the **cartridge** falling out unexpectedly.

Important Note: If the **actuator** (17) is threaded to the **lower tube** (13), the dropper must be partially compressed while unthreading the **cartridge** from the **upper tube**. If you attempt to unthread the **cartridge** in full extension, you may pull your **travel pins** (6,7) into your **upper bushing** (10), resulting in a damaged **upper bushing**.



STEP 5: REMOVE ACTUATOR FROM CARTRIDGE

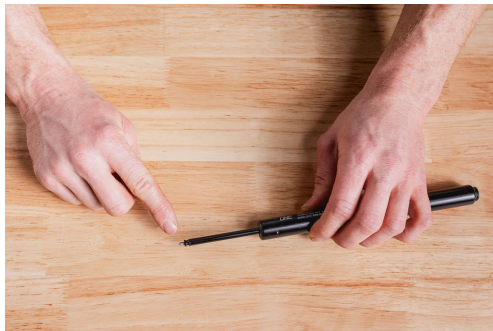
Now that the *cartridge (15)* is free from the *upper & lower tubes (1,13)*, unthread and remove both *lock bolts (16)* from the side of the *actuator* using your 2mm Hex key. Once the *lock bolts* are removed you can slide the *actuator* off the *cartridge*.



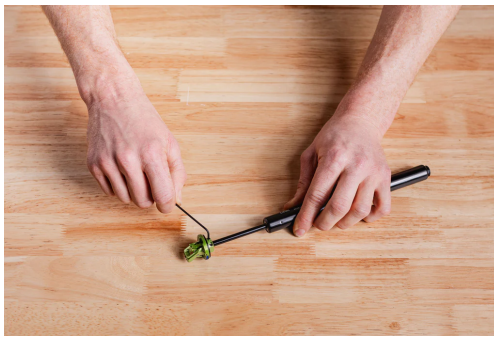
Set the old cartridge aside until the end of the service.

STEP 6: INSTALL ACTUATOR TO NEW CARTRIDGE

First ensure the *push rod* is still in your *cartridge (15)* and oriented with the rounded tip as the exposed end which will contact the *actuator (17)*.



Slide the *actuator (17)* back onto the bottom of the *cartridge (15)*. Using your 2mm hex key, thread both *lock bolts (16)* into the actuator to 2Nm.



STEP 7: THREAD CARTRIDGE INTO UPPER TUBE

Slide the *cartridge* (15) back into the sliding assembly (*lower & upper tubes* (1,13)) until you can see the top threaded portion of the *cartridge* (end with the arrow) through the top of the *upper tube* (1). Using your 5mm hex key, thread the *cartridge* (clockwise) up into the *upper tube* to 3Nm.



STEP 8: THREAD ACTUATOR ONTO LOWER TUBE

Ensuring the post is still compressed halfway, thread the *actuator* (17) onto the *lower tube* (13) to 3Nm using your 14mm wrench.

Note: The *cartridge* (15) can extend further than the max length of the post. If the *cartridge* is fully extended, the threads of the *actuator* will not catch the outer tube.



STEP 9: SEAT CLAMP ASSEMBLY

Place the *lower clamp* (2) into the cradle of the *upper tube* (1). Make sure the arrow is pointing forward. Place your saddle on the *lower clamp*. Holding your saddle, slide the *upper clamp* (3), arrow forward, under the front *clamp nut* (4) and place it on top of the saddle rails. You can then drop the rear *clamp nut* into its seat at the back of the *upper clamp*. Thread rear *clamp bolt* (5) into nut and tighten to 8Nm.

STEP 10: INSTALL POST ON BIKE

Clean out old FibreGrip or grease from the seat tube. Apply a fresh layer of FibreGrip or grease to the seat tube. Attached cable with barrel end to the dropper actuator. Carefully slide post back into seat tube while slowly pulling the remote side of the housing from the frame to avoid kinking the internally routed cable & housing. Set post to your proper ride height & torque seat post collar no more than 4Nm.

STEP 11: DECOMMISSION OLD CARTRIDGE & RECYCLE

Now the Dropper is installed on the bike and functioning correctly you can turn your attention to the old cartridge. This Cartridge, once depressurized and drained of oil, is completely recyclable as Aluminium.

Your new cartridge came with a cartridge puncture bolt. Take your 5mm hex key and unthread the black nut at the top of the cartridge. It will unthread from the cartridge in the opposite direction from the arrow. Set the black nut aside.

You can now thread the cartridge puncturing bolt clockwise into the top of the cartridge with your 5mm hex key until it punctures through the top of the cartridge and the air is released.

Now that the air has been released, remove the cartridge puncturing bolt. Holding the cartridge upside down over an oil catch, cycle the cartridge multiple times until all the oil is drained.

Take both the decommissioned cartridge, and the black nut, and recycle both as aluminium.

Congratulations, you have now successfully completed the V3 Dropper cartridge replacement service.

NOW GO RIDE!

If you are having any problems please first double check that you have correctly completed each of the above steps.

If you are still having trouble please email us at support@oneupcomponents.com for help. Please include a detailed description of your issue. Photos are often helpful.

Thanks,

OneUp