

Item Description	VPN	Barcode	Size	First Available
Ascend 150mm Dropper Seatpost	BRNDXDRP0123459316150	5056305557256	31.6mm x 459mm 150mm	Feb-20
Ascend 150mm Dropper Seatpost	BRNDXDRP0123459309150	5056305557287	30.9mm x 459mm 150mm	Feb-20
Ascend XL 170mm Dropper Seatpost	BRNDXDRPXL23316499170	5056305557300	31.6mm x 499mm 170mm	Apr-20
Ascend XL 170mm Dropper Seatpost	BRNDXDRPXL23309499170	5056305557317	30.9mm x 499mm 170mm	Apr-20
Ascend XL 200mm Dropper Seatpost	BRNDXDRPXL23316559200	5056305557294	31.6mm x 559mm 200mm	Apr-20
Ascend XL 200mm Dropper Seatpost	BRNDXDRPXL23309559200	5056305557324	30.9mm x 559mm 200mm	Apr-20

Brand-X Ascend 150, 170, 200mm Internal Route Dropper Post – 2020 version Disassembly, Maintenance and Reassembly

Thanks for buying a Brand-X Ascend dropper post.

Regular maintenance is important to ensure continued function and longevity of your post. This guide will take you through the steps required to fully disassemble and then reassemble your dropper post. We used a 31.6/150mm travel/459mm length dropper post to demonstrate the steps.

Tools you'll need: [Fig18]

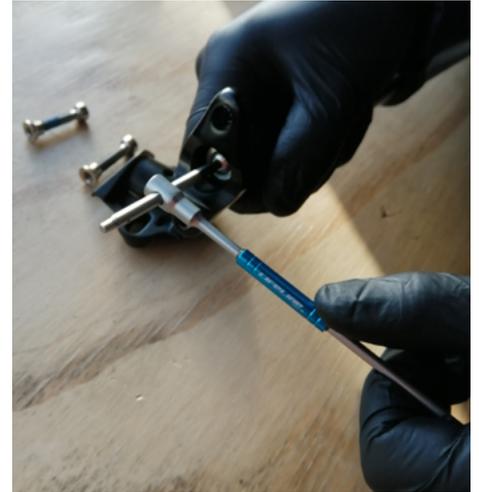
- 2mm, 3mm and 5mm Allen Keys
- 16mm spanner
- Pick or sharp flat head screwdriver
- Pliers (not essential)
- Torque Wrench
- Ascend Dropper Seatpost Assembly Grease
- Relevant Maintenance Kit if required (includes upper and lower bushing, collar seal, retaining ring and brass keys)
- New cartridge if required (size specific and so select the correct one if you're planning on changing your cartridge.)



Disassembly



1. Using a 5mm allen key remove the seat clamp.



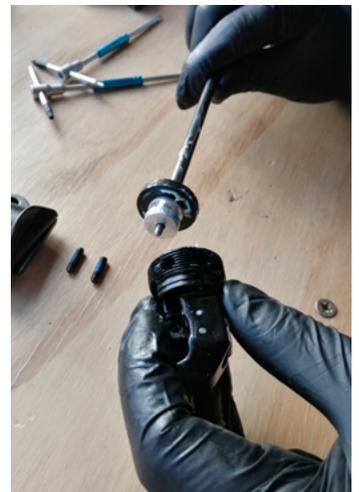
2. Using a 3mm allen key remove the top bolt and washer.



3. Using a 16mm spanner, remove the actuator head, hold the post tight and turn the actuator clockwise.



4. Remove the cartridge with the actuator still attached by pulling it out of the seatpost.



5. Undo the two grub screws to detach the actuator from the cartridge.



6. Remove the actuator pin from the cartridge - you should be able to pull this out with your fingers but use pliers if you can't grip it.



Take a break!
This is what you should have.



7. Unscrew the collar and remove the stanchion from the post by pulling it out.



8. Delicately remove the upper and lower bushing and collar. Note the orientation of the lower bushing. This is important for reassembly.



9. Using a pick or a sharp flat headed screwdriver gently lift the brass pins.



10. Disassemble the collar - remove the metal retaining ring and then lift out the rubber seal.



11. Inspect all the parts for damage and remove all dirt and old grease using isopropyl alcohol. Use the relevant maintenance pack if required to replace old and worn parts.

Assembly



1. Lightly grease the inside of the collar.



2. Insert the seal back into the collar (don't yet fit the metal retaining ring).



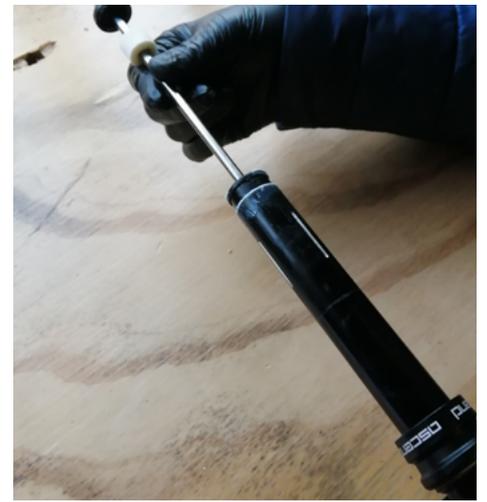
3. Slide the metal retaining ring on to the seat post stanchion.



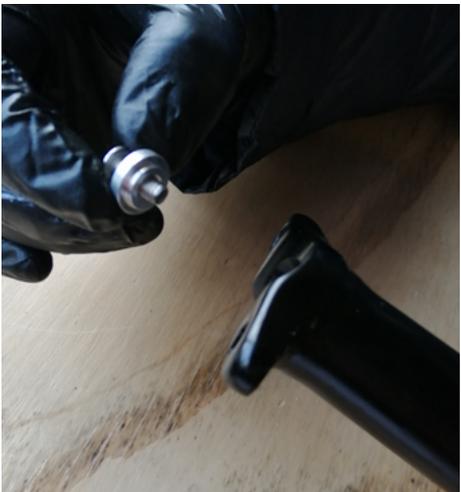
4. Feed the collar on to the seat post stanchion - check the seal has not curled over and is uniform and in place on the collar.



5. Push the metal retaining ring on to the seal.



6. Insert the cartridge into the seat post stanchion.



7. Insert the retaining bolt and washer into the head of the seat post stanchion and torque to 4Nm.



8. Grease the lower stanchion and fit the upper and lower bushing. Note the ridged bushing is the lower and the smooth is the upper.



9. Grease the inserts for the keys and insert these firmly into their slots.

10. Align the ridge on the lower bushing to the front key.



11. Lubricate the inner of the seat post tube.



12. Insert the stanchion into the seat post tube. To guarantee alignment you can match up the laser etchings from the minimum insert markings on the seat post tube to the markings on the rear of the stanchion.



13. Push bushing into place, slide collar into place and tighten.



14. Insert the actuator pin into the cartridge – note the pin is directional and that the rounded end should face out of the cartridge.



15. Fit the actuator back on to the cartridge and tighten the grub screws. Ensure the cartridge is correctly seated into the actuator. Ideally add a little Loctite 243 to the grub screws to guarantee secure fitment if there is no threadlock compound left on them.



16. Push the actuator and cartridge into the base of the post and tighten with a spanner to 8Nm. You can use the shaft of a 5mm allen key through the actuator to help push it down.



17. Reassemble the saddle clamps.

18. Check the function of the post before fitment. You can do this by pulling on the actuator link and simultaneously pushing the post down to depress it. With the dropper fully compressed, pull the actuator and the post should extend.