

Race Application Dropper

Technical Manual

Guideline for the basic maintenance of the
Race Application Dropper seatpost



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2. Basic Maintenance
3. Saddle Height Adjustment
4. RAD Seatpost removal
5. Cable Replacement and Seatpost Installation
6. Cable Housing Replacement and Seatpost Installation
7. Contact Information

General Note

Important Notice

Every maintenance operation not expressly listed on this document should be performed by BMC or by a BMC service center not to void warranty.

Operating Pressure:

- Max 3 Bars/Psi
- Recommended 2 Bars/Psi

Torque settings:

- Seatpost clamp: 4 Nm
- Cable pinch bolt: 2Nm
- Remote lever: follow marking on collar/lever

Cable type:

- Standard shifter cable 1.1/1.2mm

Saddle rail compatibility:

- Round or 7mm (height) for oval Carbon rails

Basic Maintenance:

Dust Wiper Cleaning:

- 25 Hrs.

Seatpost Shaft Cleaning:

- 50 Hrs.



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Basic Maintenance

To extend the life of your RAD seatpost we recommend to clean the seatpost exterior after each and every ride or race.

Recommended periodic maintenance:

- Dust Wiper cleaning: every 25 Hours of riding
- Seatpost cleaning: every 50 Hours of riding

2.1 Tools required



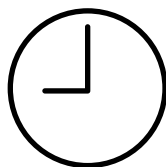
Allen Keys



Microfiber Cloth



Grease



Time Required
5-15 minutes

Dust Wiper Cleaning:

1. Remove the dust wiper by pulling it up firmly
2. Clean it with a microfiber cloth
3. Add grease on the dust wiper
4. Re-install the dust wiper by pushing it firmly on the frame



RAD Seatpost Cleaning:

1. Remove the RAD seatpost from the frame as of described in chapter 4
2. Remove the dust wiper
3. Clean the seatpost shaft and the dust wiper using a microfiber cloth and cleaner fluid
4. Clean the top section of the seattube using the microfiber cloth
5. Add grease on the seatpost shaft and on the top section of the seattube
6. Re-install the dust wiper and the seatpost as described in chapter 4 and 6

Saddle Height Adjustment

3

3.1 Tools required



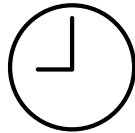
Allen Keys



Measuring Tape



Torque Wrench



Time Required

3 minutes

3.2 Saddle Height Reference Table

Saddle height is measured from the center of bottom bracket to top of the saddle



Size	Min Saddle Height	Max Saddle Height	Adjustment Range
Small	655 mm	745mm	90mm
Medium	700 mm	790mm	
Large	740 mm	830 mm	
Extra Large	770 mm	860mm	

3.3 Step by Step Instructions



1. Loosen the seatpost bolt (4mm allen key).



2. Adjust saddle height according to the reference table. Tip: feed cable if you raising the saddle height.



3. Tighten the seatpost boltscrew at 4 Nm using a 4mm torque wrench.

RAD Seatpost removal

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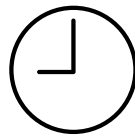
4.1 Tools required



Allen keys



Cable Cutter



Temps Required
5 minutes

4.2 Step by Step Instructions

1. Remove the remote lever from the handlebar by unthreading the collar screw.



2. Unthread the seatpost screw and remove it completely to avoid damage to the seatclamp when removing.



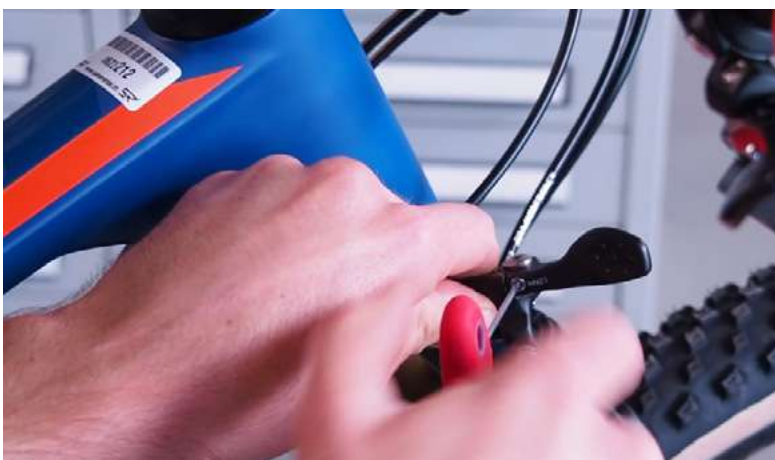
3. Pull the seatpost up while pushing the cable housing into the frame.



4. Position the seatpost as shown in the picture.



5. Loosen the pinch screw on the remote lever using a 2mm allen key.



6. Cut the cable end and remove the cable from the lever.



7. Tip: make sure the cable is free from crimps to avoid damaging the cable housing.



8. The seatpost can now be removed.



9. The cable housing should remain in the frame.



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Cable Replacement

5.1 Tools required



Temps Required
5 minutes



Allen Keys



Cable Cutter



Shifter Cable & Cable housing



Grease

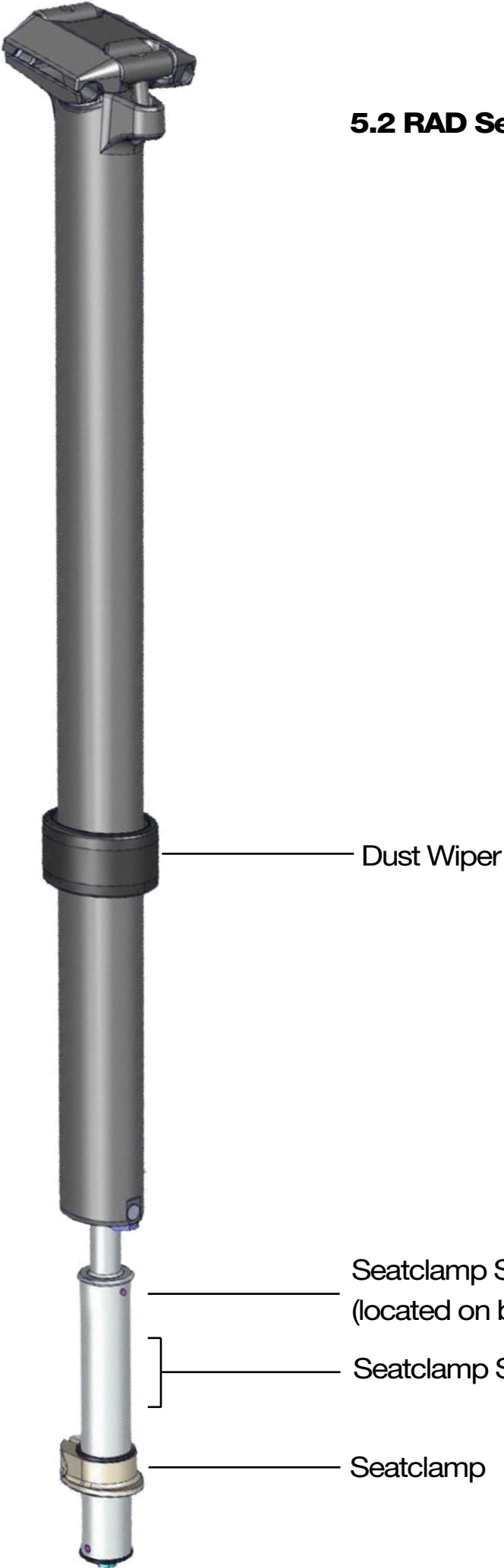


Silicon Lube



Cable grease

5.2 RAD Seatpost parts



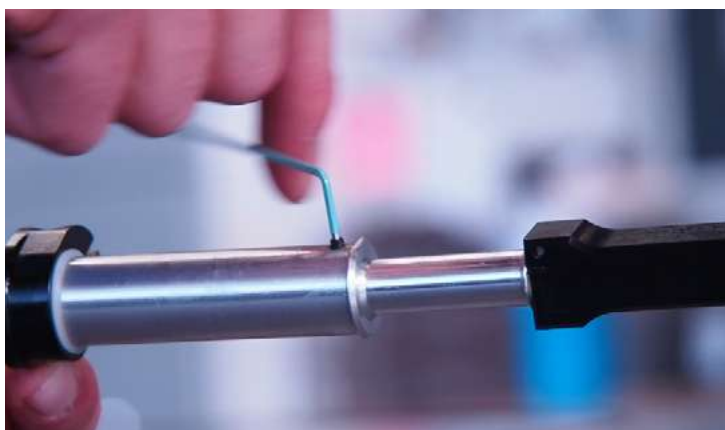
5.3 Cable Replacement and Seatpost Installation



1. Remove the RAD seatpost as shown in chapter 3.



2. Locate two clearly marked bolts on the upper section of the seatclamp sleeve.



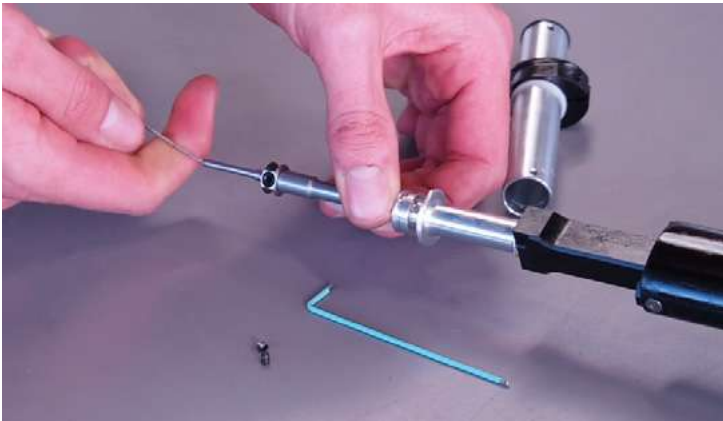
3. Loosen the bolts on the seatclamp sleeve with a 1.5 mm allen key.



4. Pull away the clamp sleeve.



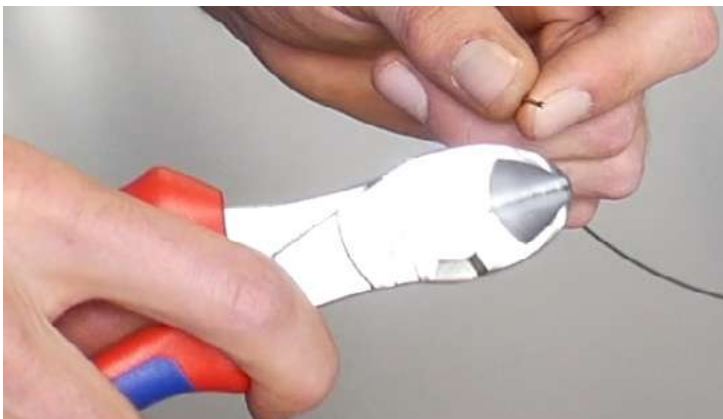
5. Loosen the pinch bolt with a 2.5 mm allen key.



6. Pull the cable out of the housing and out of the sleeve.



7. Prepare a new cable by cutting a standard shifter at its head.



8. Make sure to have a clean cut with no crimps before installation. Use the uncut end to route it through the housing.



9. Push the cable through the seatclamp sleeve and tighten the pinch bolt using a 2.5 mm allen key (2 Nm).



10. Position the clamp sleeve and tighten the two bolts until they are flush.



11. Add some silicon lube or cable grease in the cable housing to improve the cable durability.



12. Insert the seatpost cable in the housing and push it out of the housing.



13. Add grease on the seatpost



14. Pull now the cable making sure the cable housing end is correctly positioned against the RAD seatpost.



15. Install the cable on the remote lever and tighten the pinch bolt according to the torque settings indicated on the lever itself. Cut now the cable.



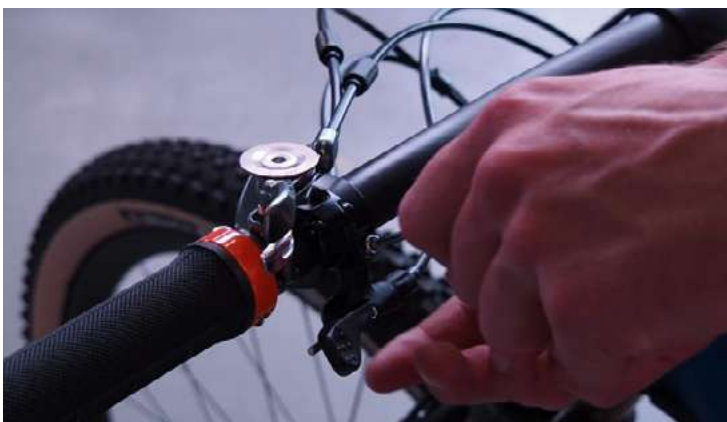
16. Insert the RAD seatpost in the seat tube. Make sure the seatpost is in the correct position: the seatclamp screw is on the right side of the sleeve.



17. Push the seatpost in the seat tube until the seatclamp screw is visible through the opening.



18. Grease the seatclamp screw re-install it. Tighten it to 4 Nm once the correct saddle height has been set using a torque wrench.



19. Install the lever on the handlebar and tighten according to the torque settings.

Cable Housing Replacement and Seatpost Installation



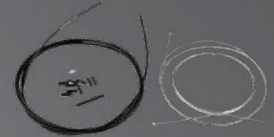
6.1 Tools required



Allen Keys



Cable Cutter



Shifter Cable & Cable housing



Grease



Silicon Lube



Cable grease



Temps Required

10 minutes

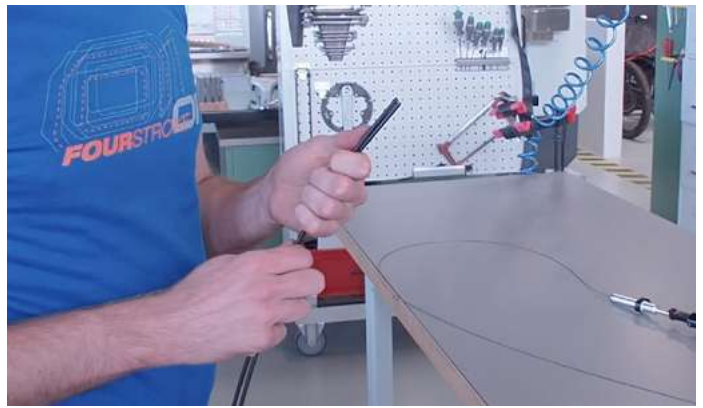
6.2 Cable Housing Replacement and Seatpost Installation

Before starting this operation proceed to remove the RAD seatpost as shown in the dedicated chapter and section of the tutorial video, remove the old cable housing.

1. Remove now the shock along with the cover located beneath it and place them next to the frame. It's not necessary to remove the shock lockout remote cable.



2. Cut a new cable housing and make it is long enough to allow complete and free handlebar rotation.



3. Insert the cable housing using the lower cable port.



4. Pick the cable housing at the opening below the shock and guide it up the seat tube. Add now an end cap.



5. Add some silicon lube or cable grease to improve the cable durability.



6. Insert the seatpost cable in the housing and push it out of the housing.



7. Add grease on the RAD seatpost.



8. Pull now the cable making sure the cable housing end is correctly positioned against the RAD seatpost.



9. Install the cable on the remote lever and tighten the pinch bolt according to the torque settings indicated on the lever itself. Cut now the cable.



10. Insert the RAD seatpost in the seattube. Make sure the seatpost is in the correct position: the seatclamp screw is on the right side of the sleeve.



11. Push the seatpost in the seattube until the seatclamp screw is visible through the opening.



12. Grease the seatclamp screw re-install it. Tighten it to 4 Nm once the correct saddle height has been set using a torque wrench.



13. Install the lever on the handlebar and tighten according to the torque settings.



14. Re-install the cover and the shock, respect the torque settings indicated on the bolts.



Contact Information

Please contact us if you need further assistance with your RAD seatpost:

BMC Customers:

<https://www.bmc-switzerland.com/int-en/support/contact/contact/>

BMC Retailers:

<https://b2b.bmc-switzerland.com/de-de/contact-us>