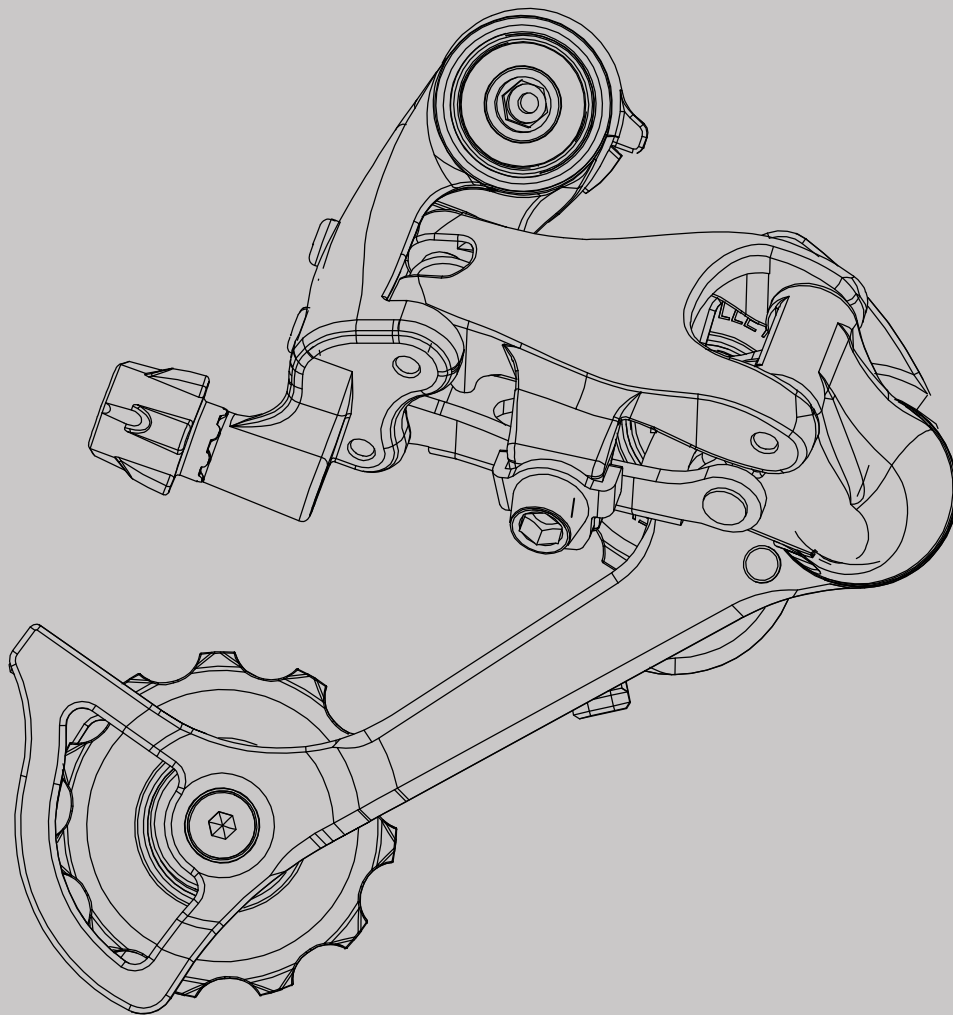


microSHIFT

Road Rear Derailleur Install



Important Notice

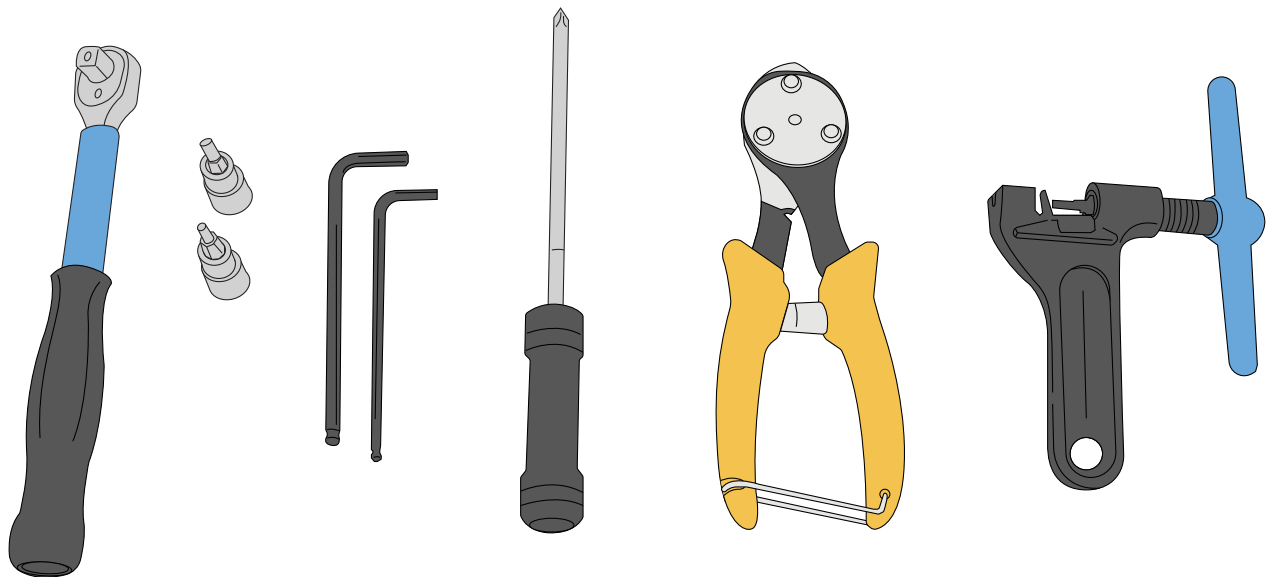


REMINDER

Before installing the products, please read and understand the installation procedures. Improper installation can lead to premature product failures or even injuries. If you have any questions on how to install, please contact us or consult with a professional bicycle mechanic.

Tools and Supplies

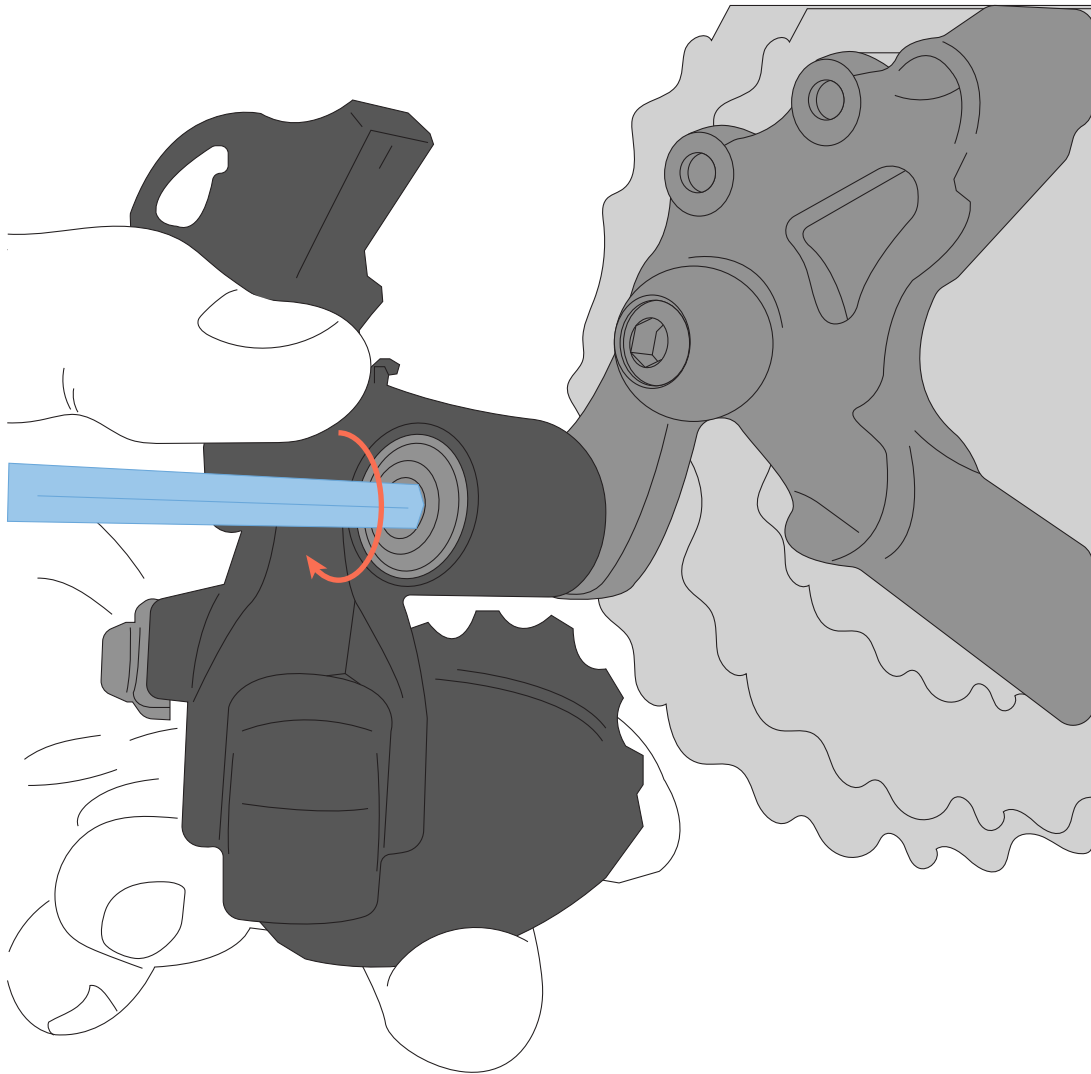
1. Torque Wrench
2. 4 and 5mm Hex Bits
3. 4 and 5mm Hex Wrenches
4. Philips Screwdriver
5. Cable Cutter
6. Chain Breaker



1.

Rear Derailleur Attachment

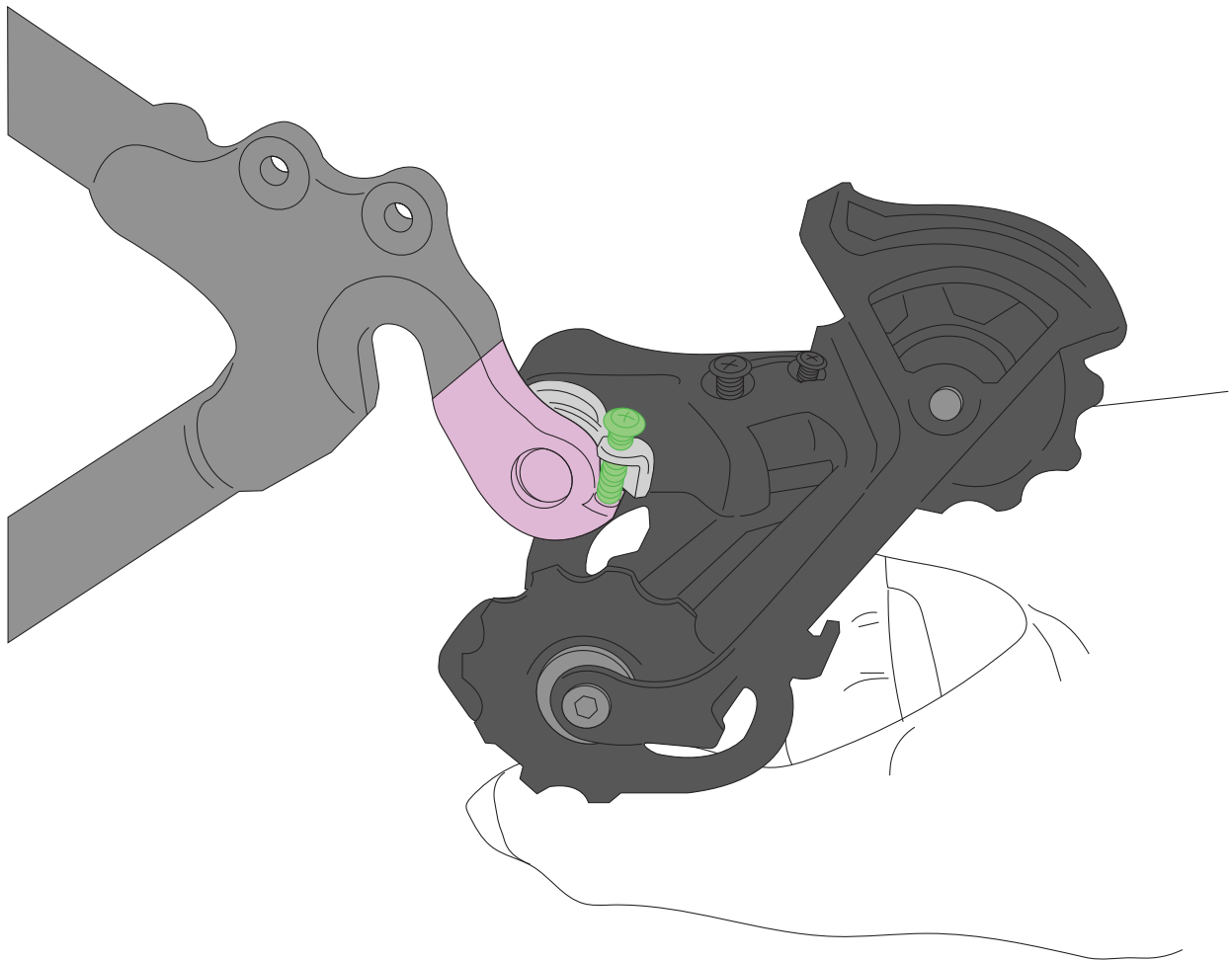
Use a **5mm hex wrench** and attach the rear derailleur to the bike.



2.

Rear Derailleur Attachment

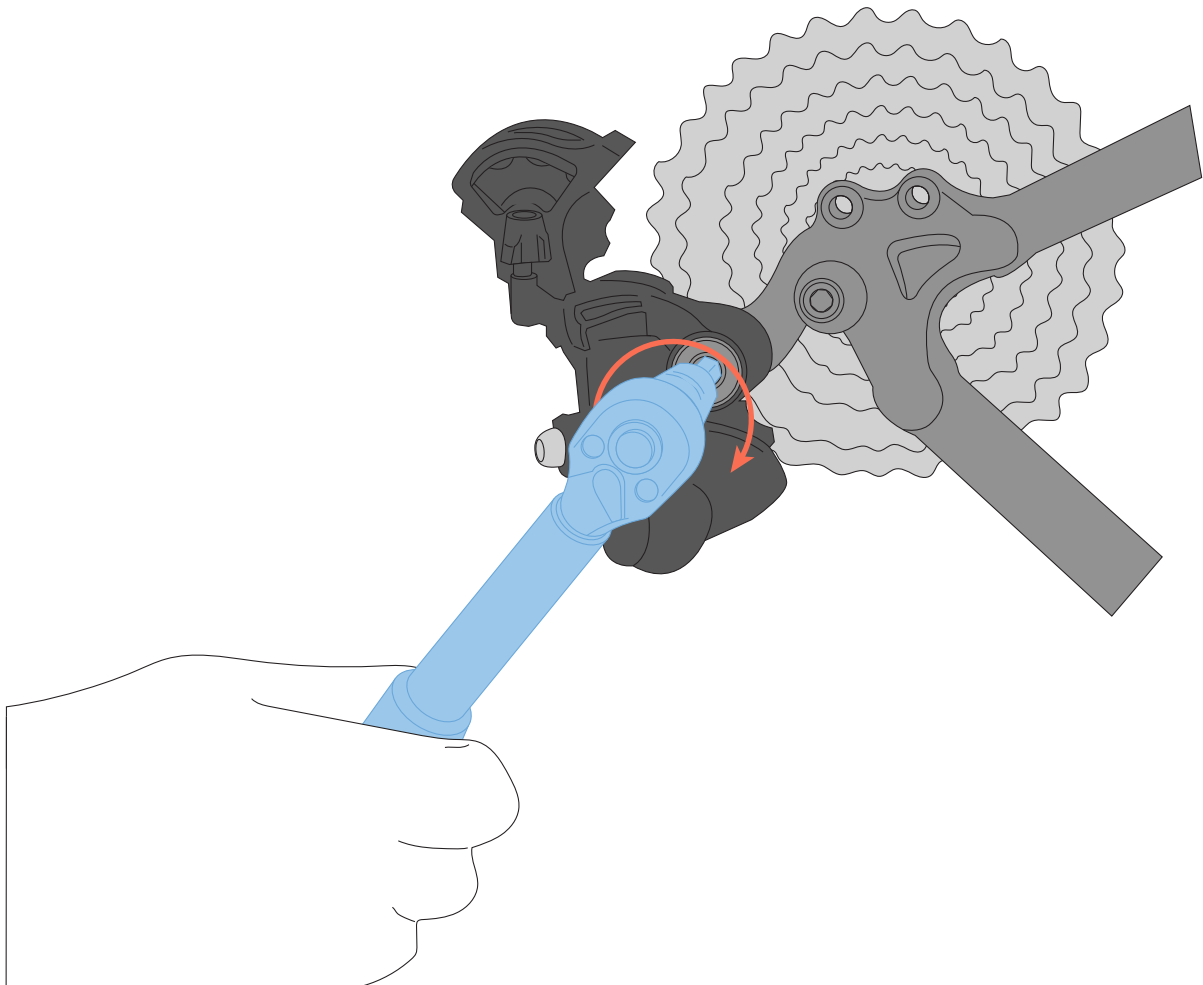
Make sure the **B-tension screw** engages correctly with the **derailleur hanger tab**.



3.

Rear Derailleur Attachment

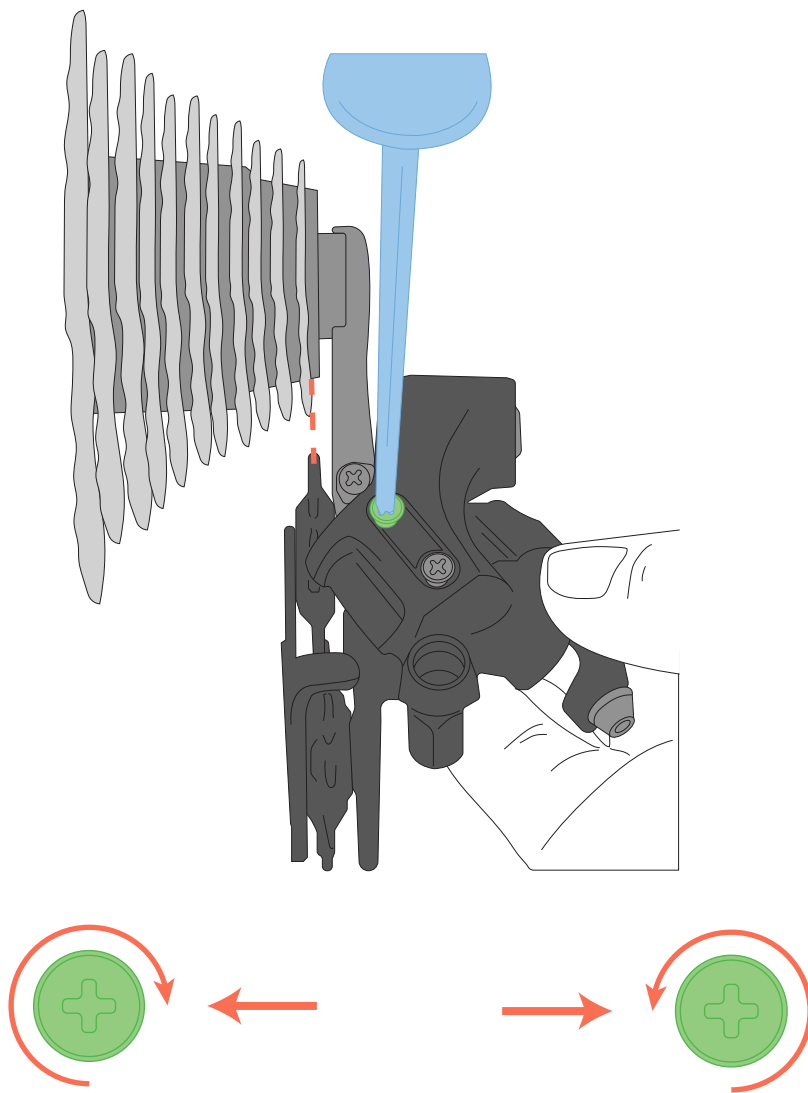
Tighten the rear derailleur fixing bolt to **8-10 Nm** with a **5mm hex bit** and torque wrench. Check to make sure that the derailleur can rotate freely.



1.

H-Limit Screw Adjustment

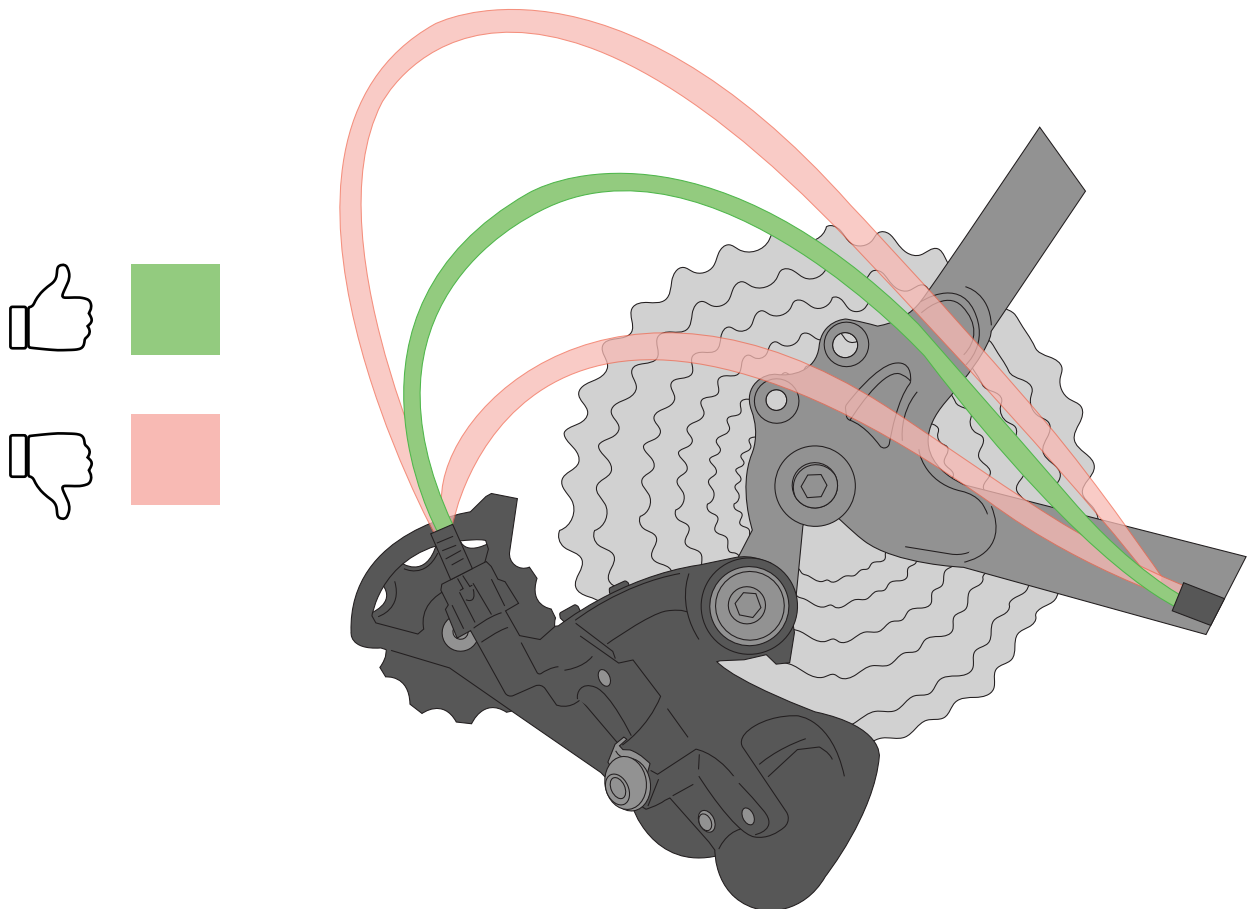
Adjust the **high-limit screw** with a **Philips screwdriver** until the guide pulley aligns with the outer edge of the smallest cog.



1.

Proper Cable and Housing Installation

Every frame manufacturer has different cable routing guidelines, so make sure you consult those before cutting the housing. Our road rear derailleurs work best when there is not too much of a curve in the housing, and not too little slack either. Make sure the end of the housing is sitting against the rear derailleur as well.



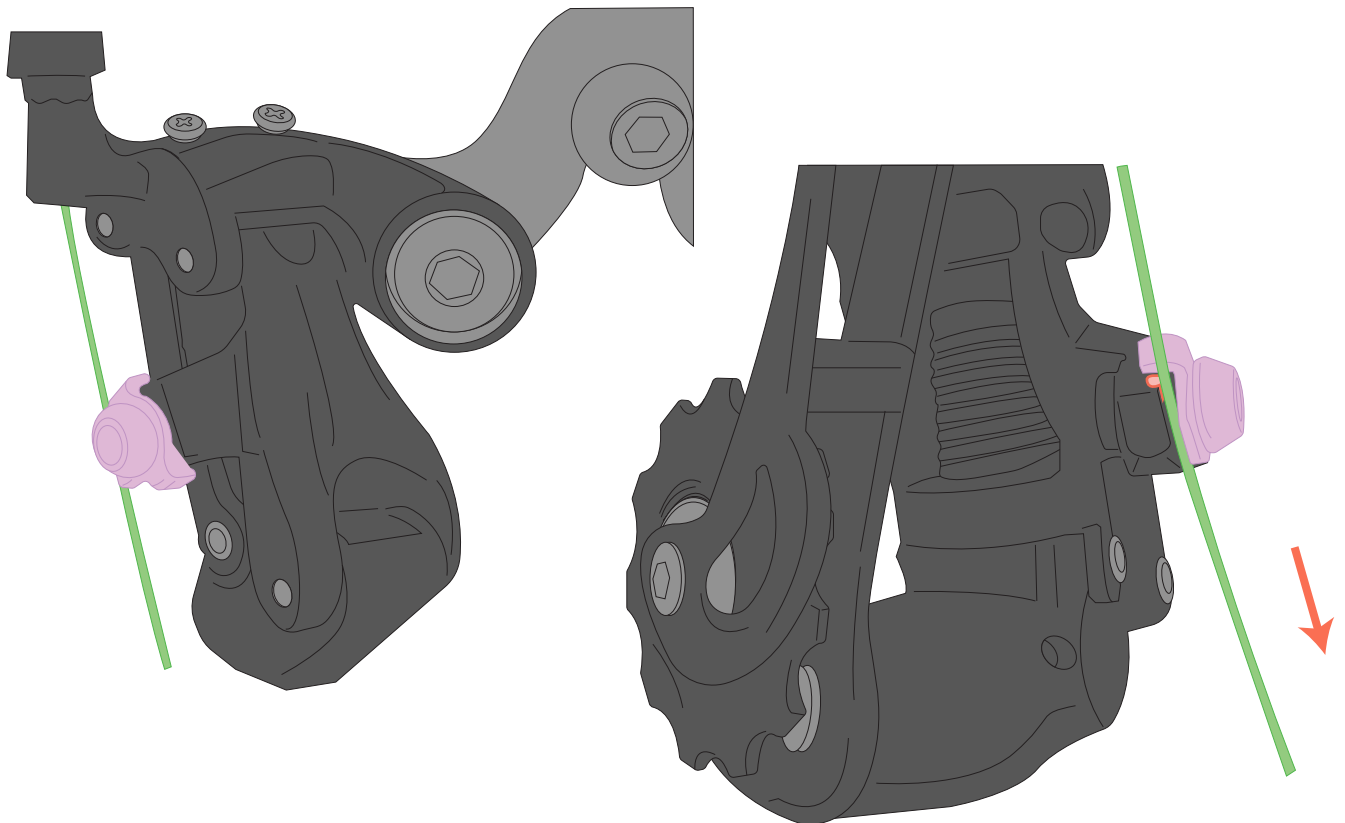
1.

R8, R9, R10 Cable Routing



For R8, R9, R10 Cable Routing

With your shifter in the higher gear position, route the **shift cable** to the rear derailleur and under the **cable fixing bolt and washer**. Pull the cable tight. Make sure the cable sits in the **grove** below the cable fixing washer. On the R Series rear derailleurs the shift cable is routed through the **grove** below the **cable fixing bolt**.



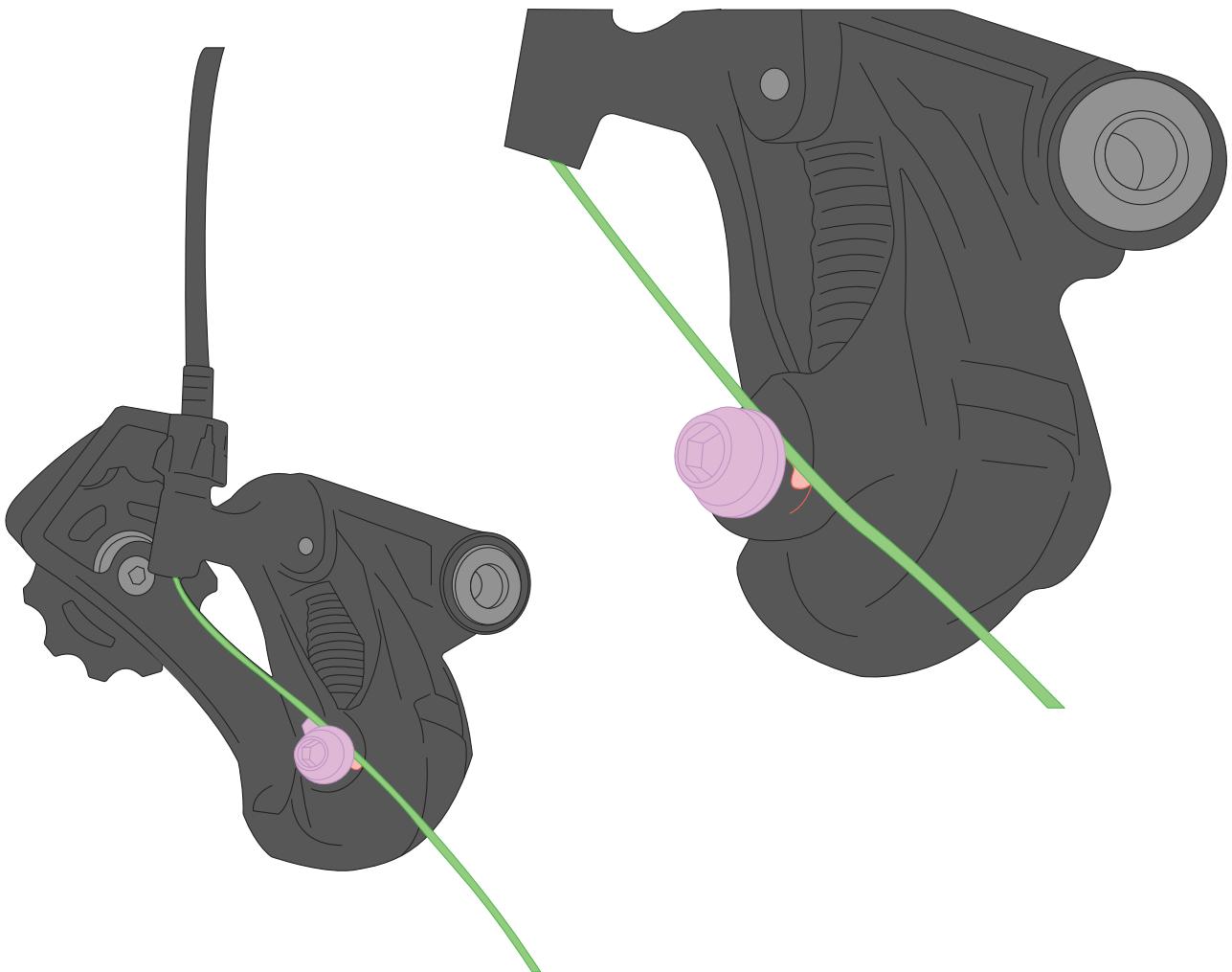
1.

Centos 10 and Centos 11 Cable Routing



For Centos 10 and Centos 11 Cable Routing

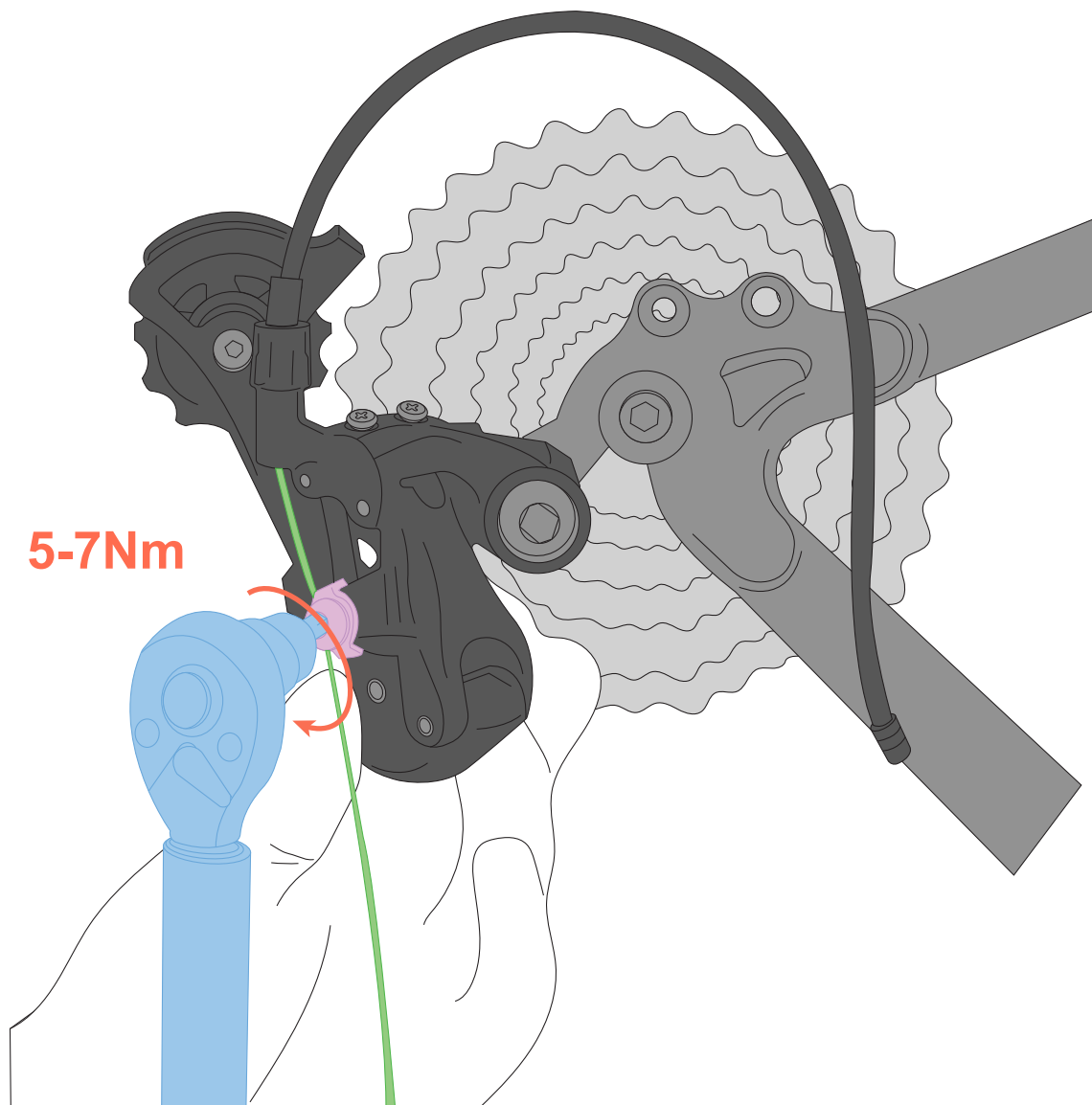
With your shifter in the higher gear position, route the **shift cable** to the rear derailleur and under the **cable fixing bolt** and washer. Pull the cable tight. Make sure the cable sits in the **grove** below the cable fixing washer. On the Centos Series rear derailleurs the shift cable is routed through the **grove** above the **cable fixing bolt**.



1.

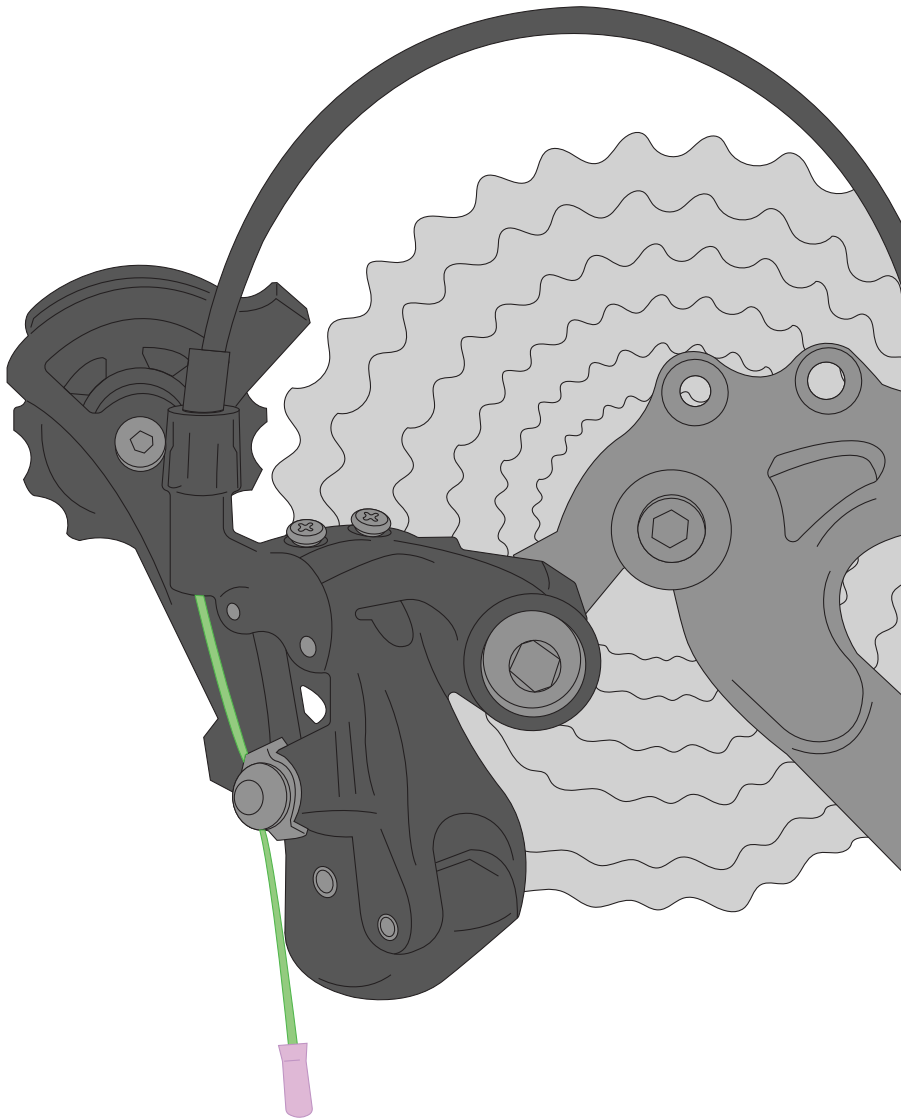
Cable Installation

Torque the cable pinch bolt to **5-7 Nm** with a **4mm hex bit** and **torque wrench**.



2.

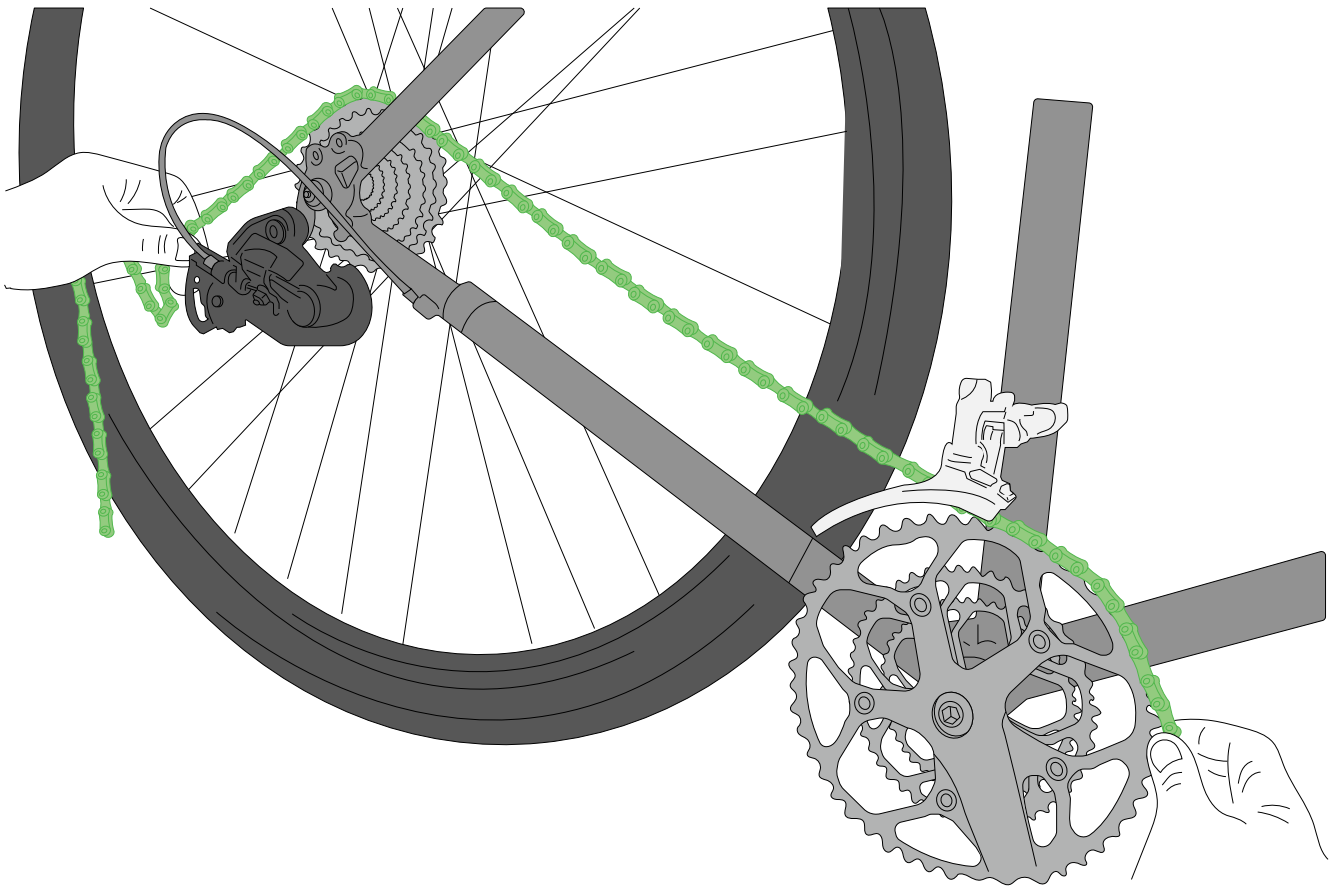
Cut the **green cable** and attach a **purple cable end**.



1.

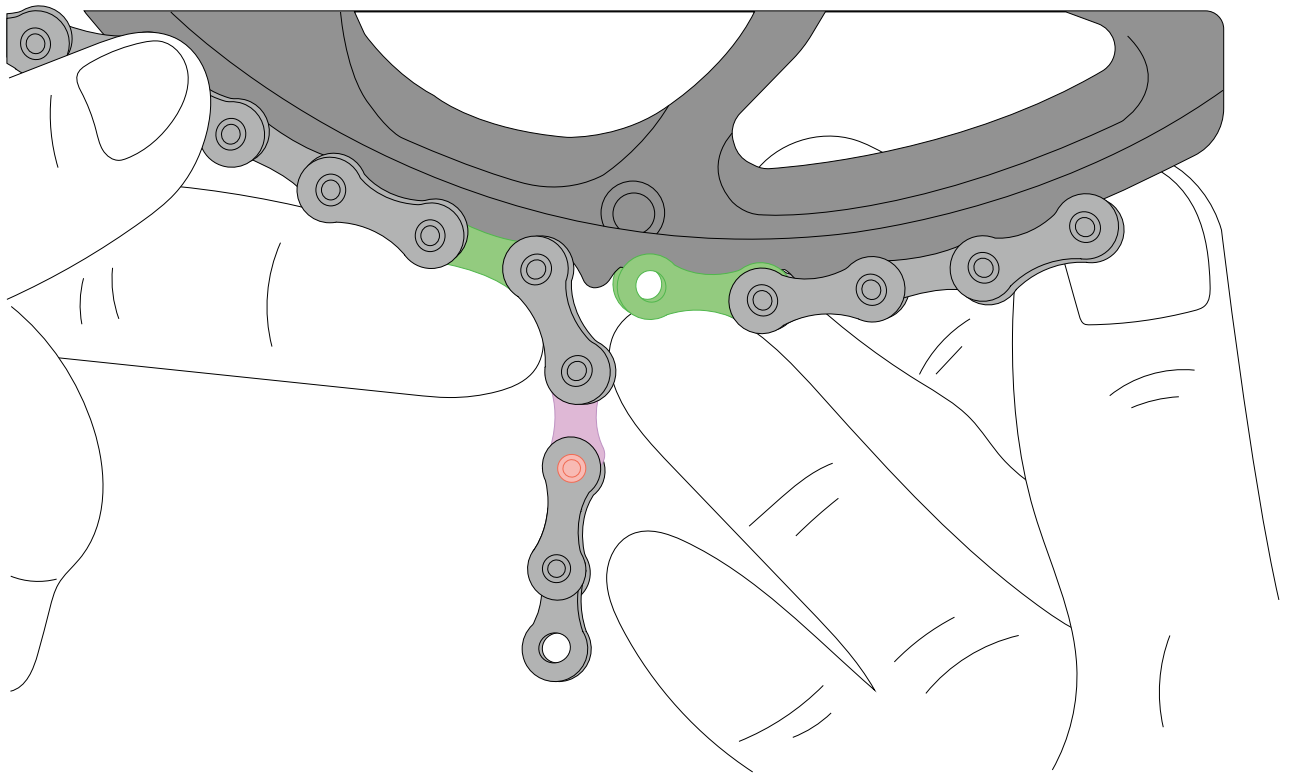
Chain Installation

Wrap the **chain** around the chainring and the largest cassette cog without routing it through the rear derailleur.



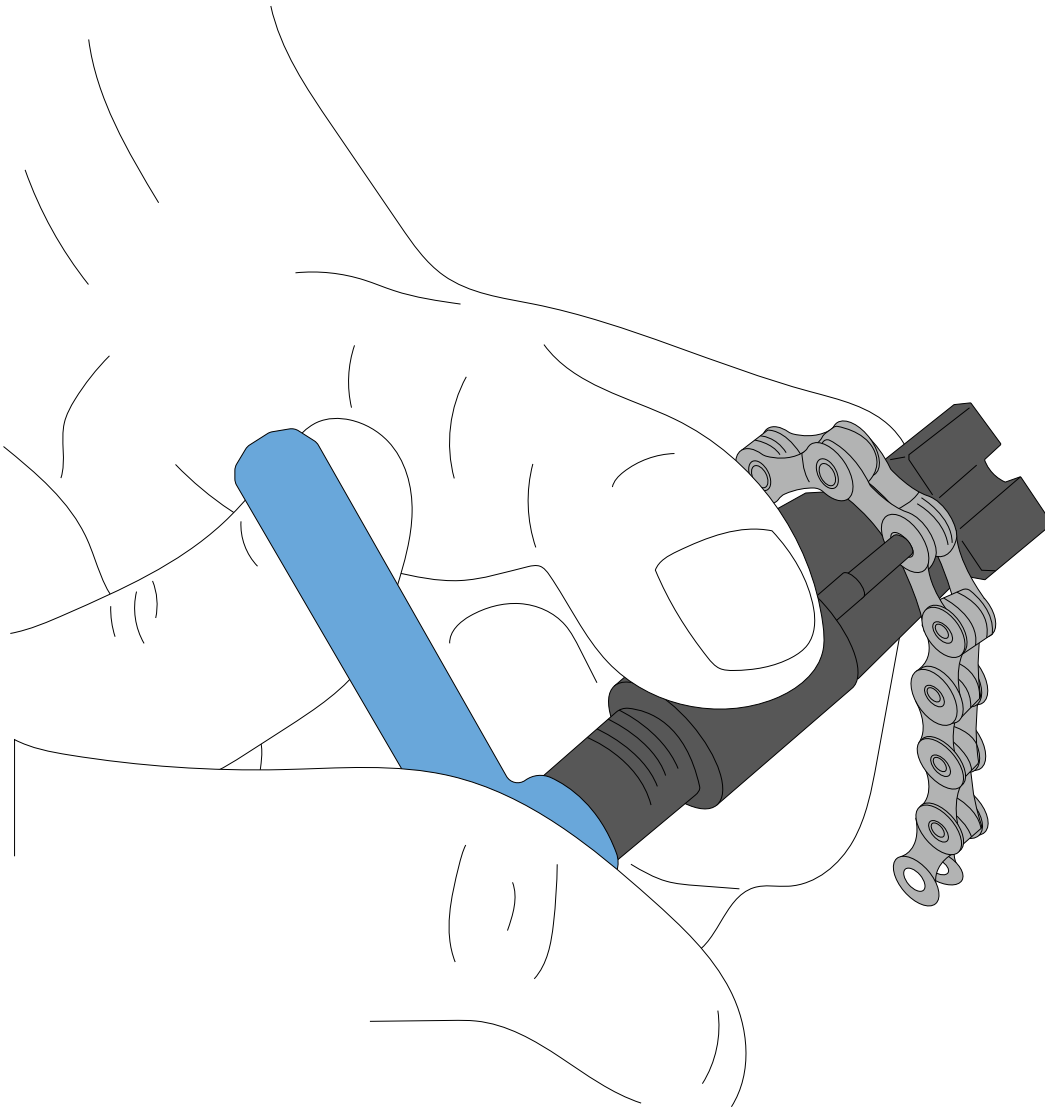
2.

Stretch the chain tight. Place **two inner links** next to each other on the chainring. Add **one extra inner link** and **make your cut there**.



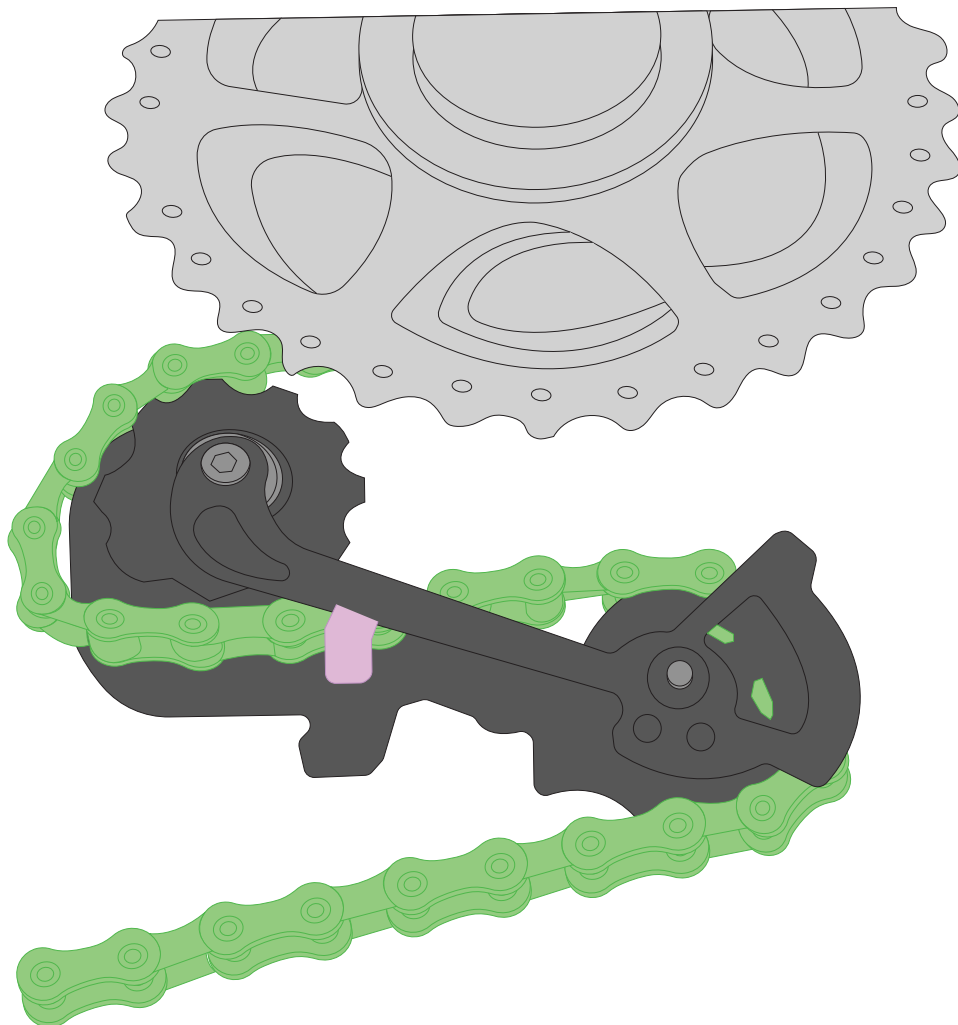
3.

Cut the chain using a **chain breaker**.



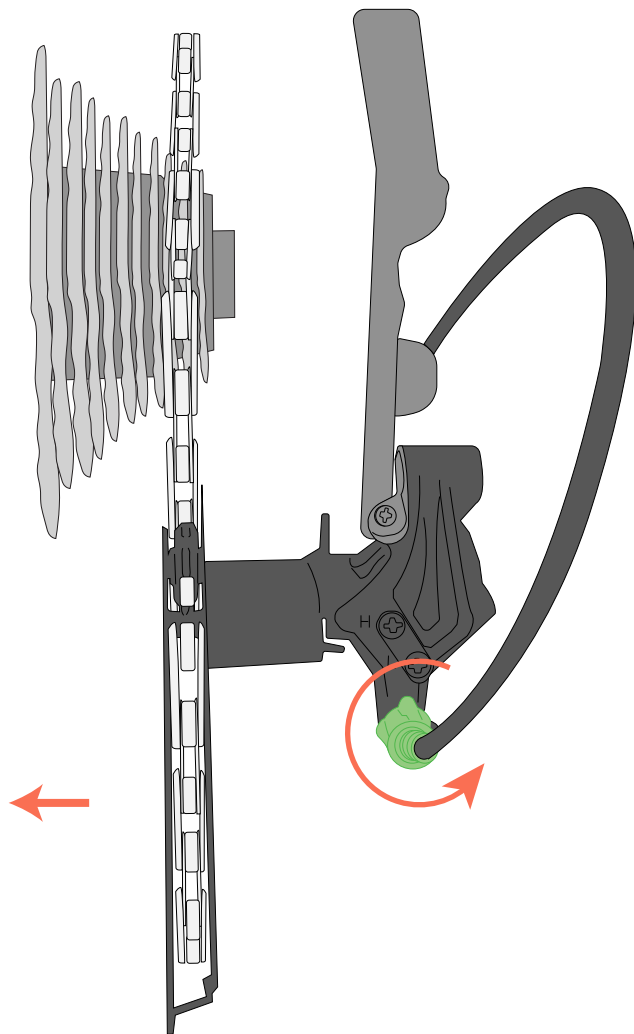
4.

Rout the **chain** over the smallest cog, in front of the guide pulley, behind the **derailment prevention plate**, and behind the tension pulley. Wrap the chain around the chainring and connect the chain according to the chain manufacturer's instruction manual.



5.

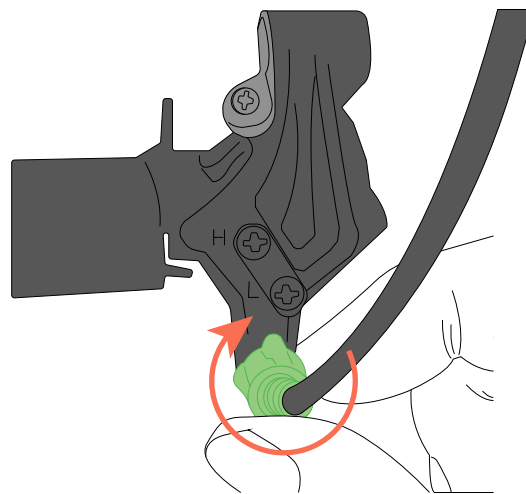
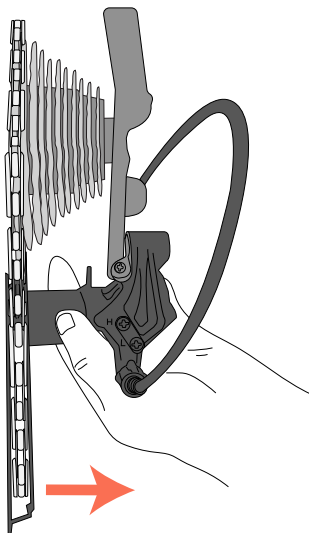
Shift from the smallest cog to the 2nd smallest cog. If the chain doesn't move, turn **the barrel adjuster** on the derailleur **counter-clockwise**. Repeat until the derailleur shifts to the 2nd smallest cog.



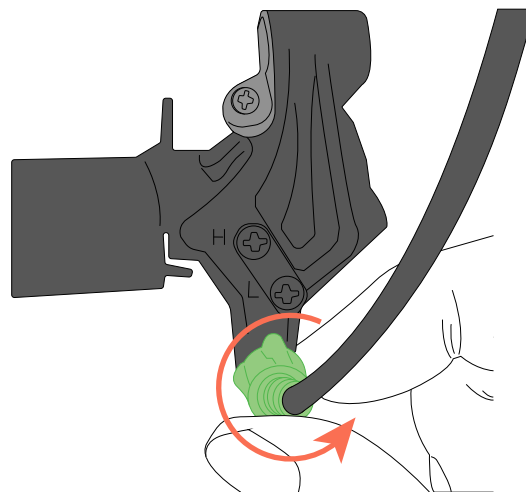
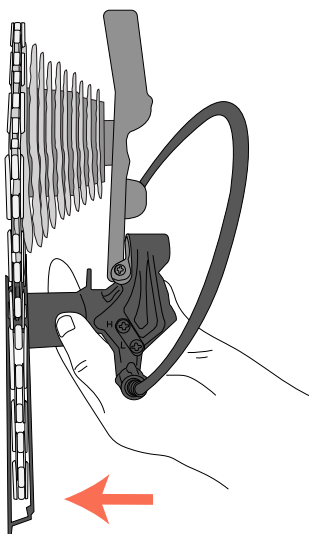
1.

Cable Tension Adjustment

Now make several shifts up and down the cassette. If shifting is slow to move to a larger cog, turn the barrel adjuster counter clockwise. If the shifting is slow to move to a smaller cog, turn the barrel adjuster clockwise.



Slow shift
toward smaller cogs

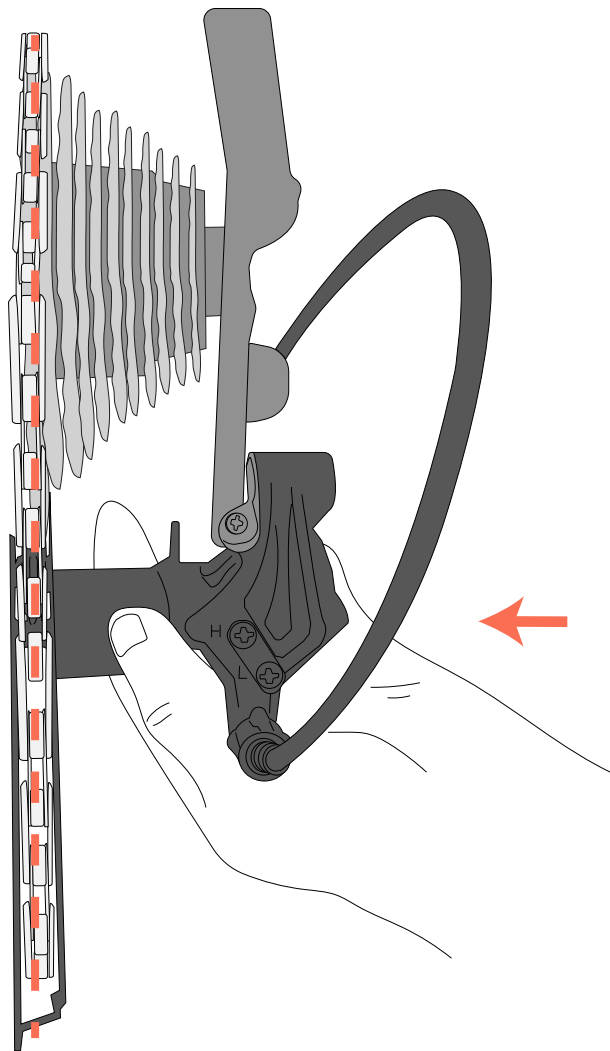


Slow shift
toward larger cogs

1.

L-Limit Screw Adjustment

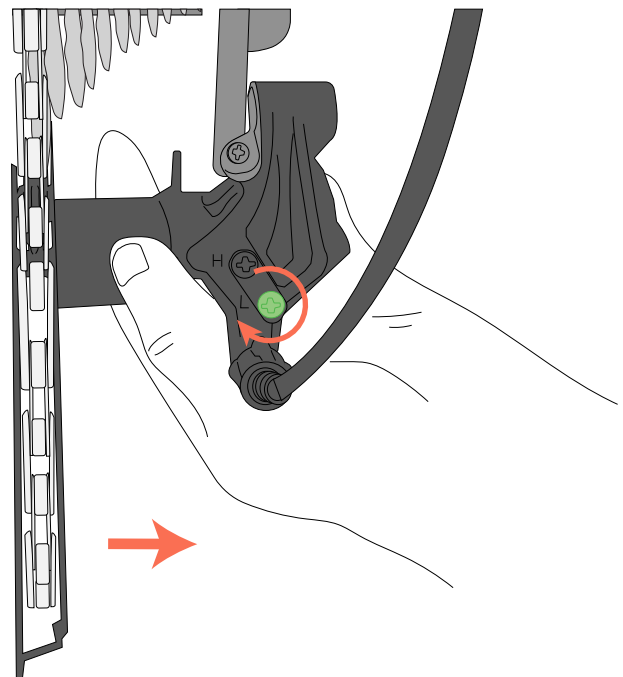
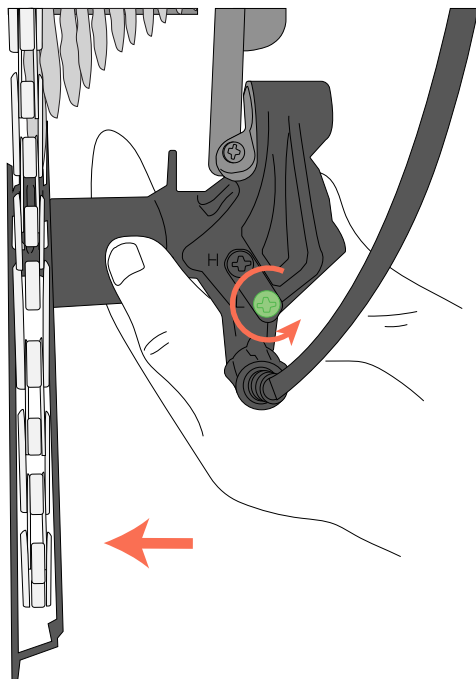
Shift to the largest cog on the cassette. Using your hand, try to push the rear derailleur past the largest cog. If the derailleur can move past the cog, adjust the low limit screw.



2.

L-Limit Screw Adjustment

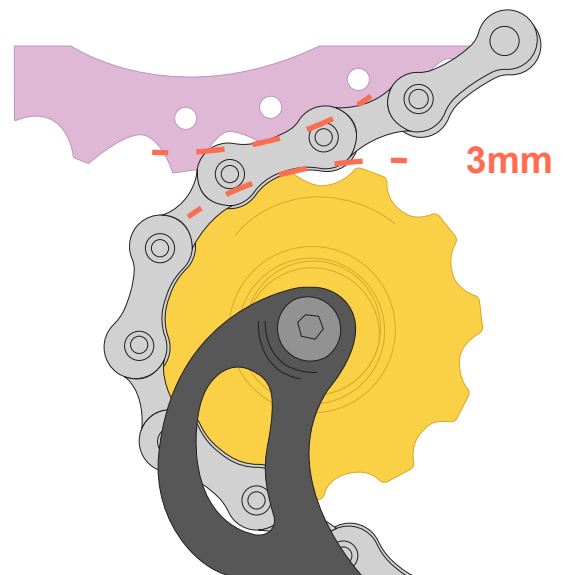
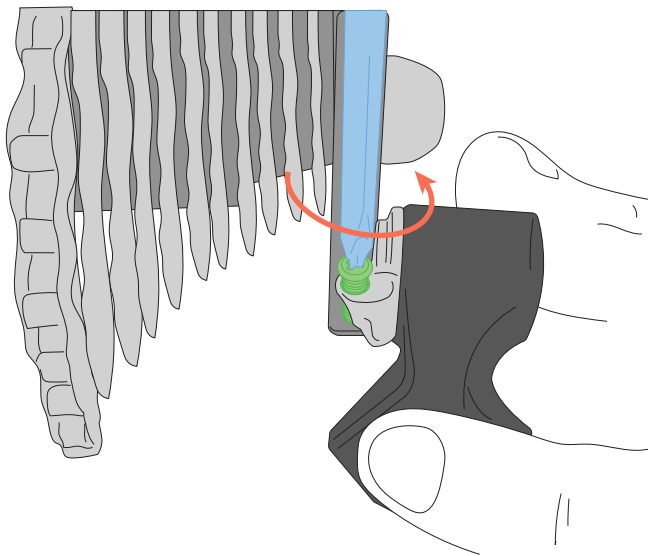
Tighten the low limit screw until you can't move the derailleur past the largest cog. Shift down and back up to the largest cog.



1.

B-Limit Screw Adjustment

Shift to the largest cog. Adjust the **B-tension screw** counter-clockwise until the **guide pulley** is as close to the **largest cog** as can be, without touching, about **3mm**.



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