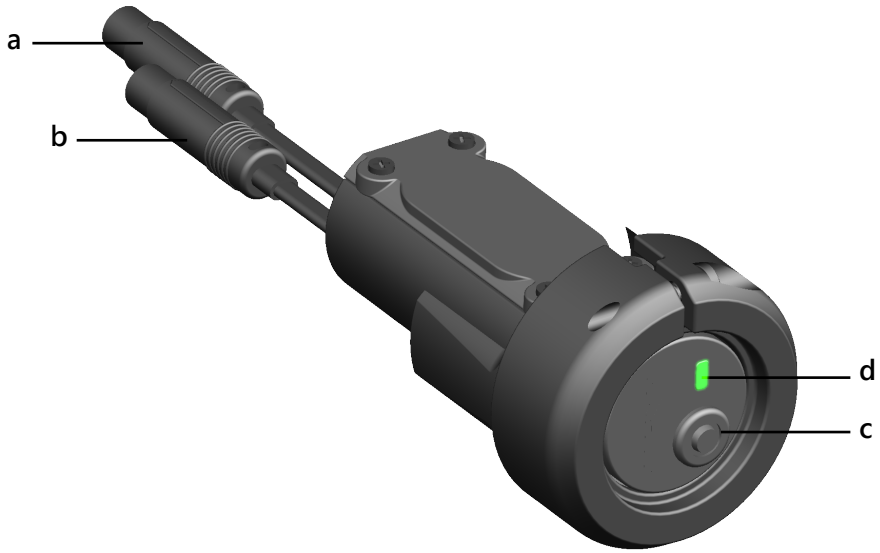
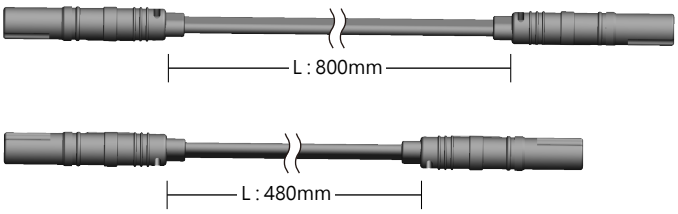
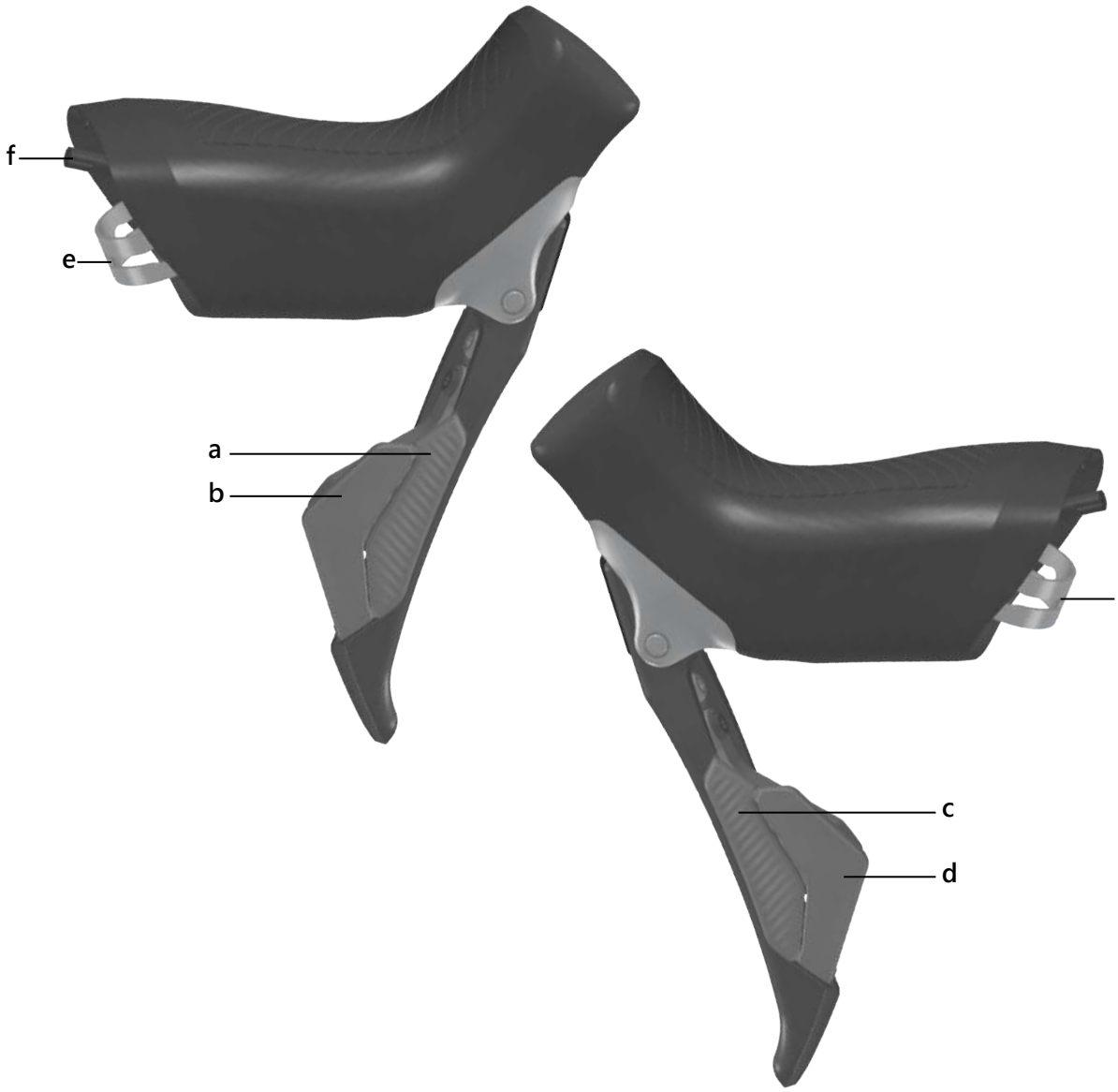
TRP Bar-end Unit (SW-C8000E)



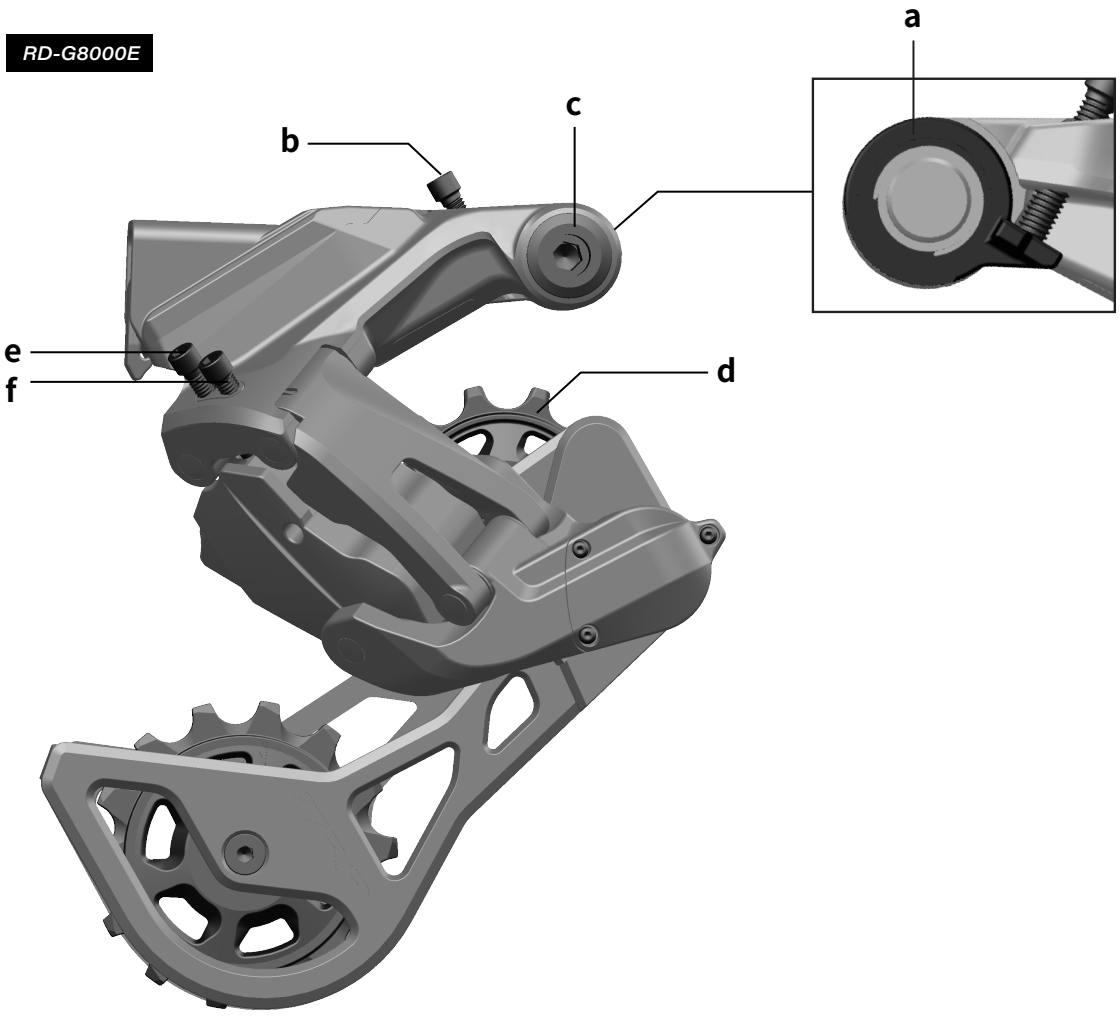


a. Short cable
b. Long cable
c. Function button
d. LED indicator

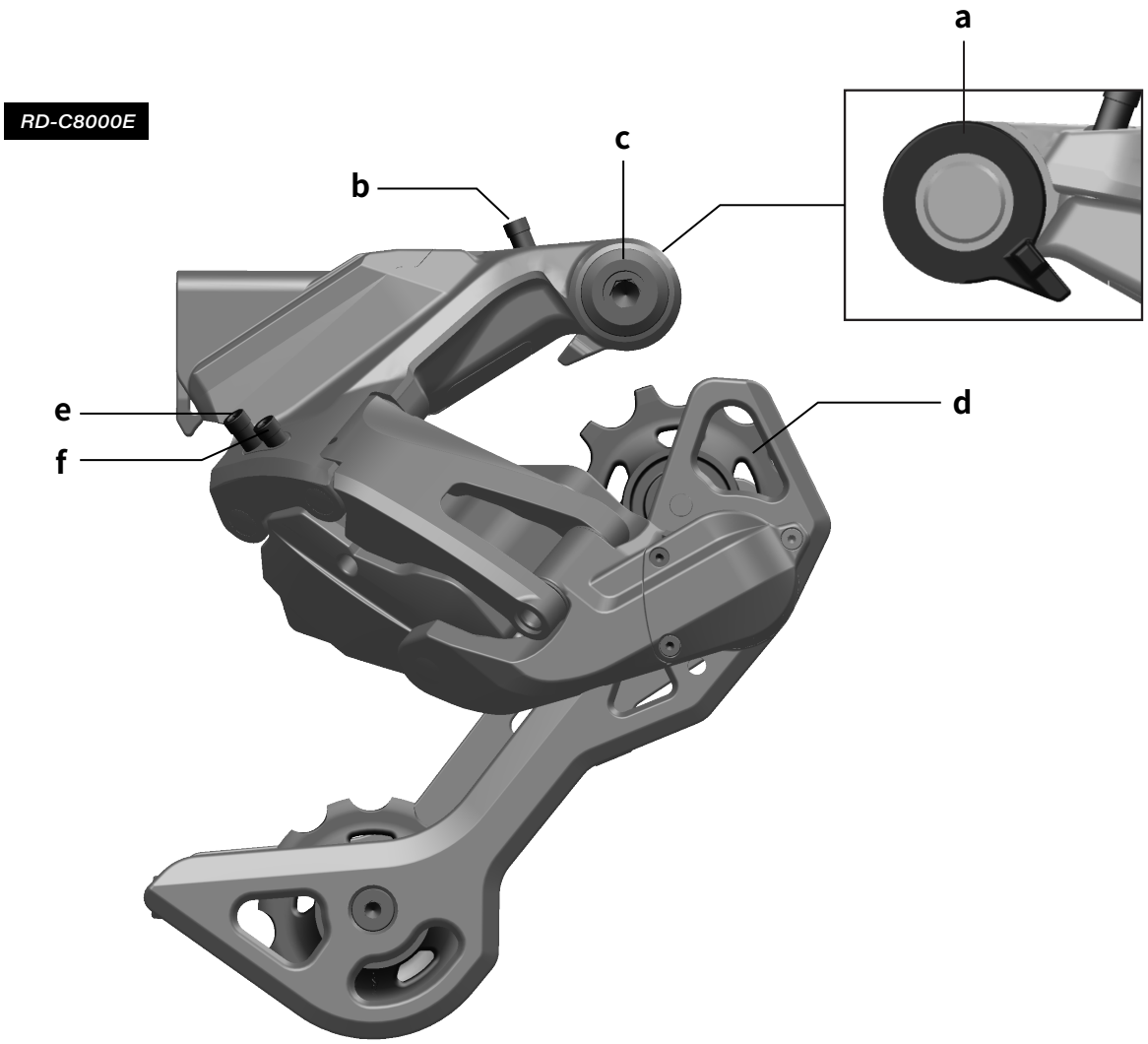
Brake/Shift Lever (HD-S8000E)



a. Button 01 (R1)
b. Button 02 (R2)
c. Button 03 (L3)
d. Button 04 (L4)
e. Cable

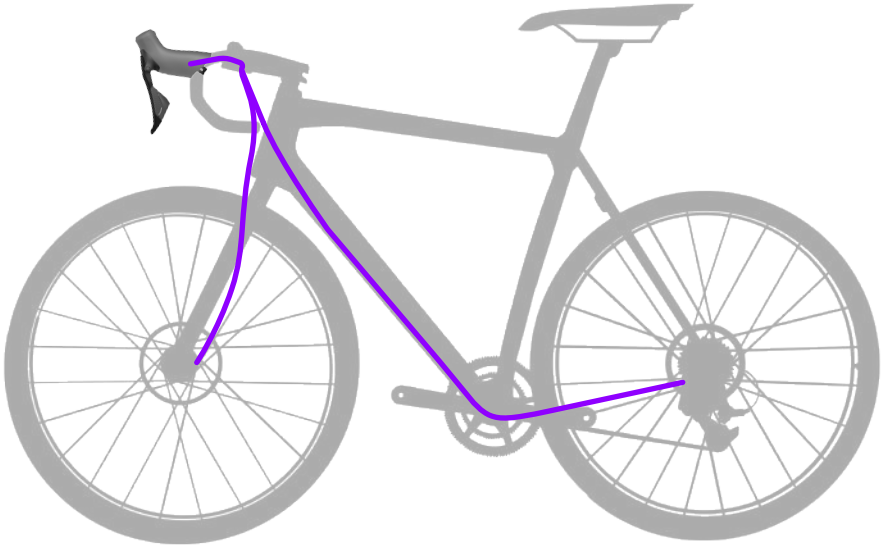


a. B-plate
b. B-tension screw
c. Mounting bolt
d. Upper pulley
e. High-limit screw
f. Low-limit screw



a. B-plate
b. B-tension screw
c. Mounting bolt
d. Upper pulley
e. High-limit screw
f. Low-limit screw

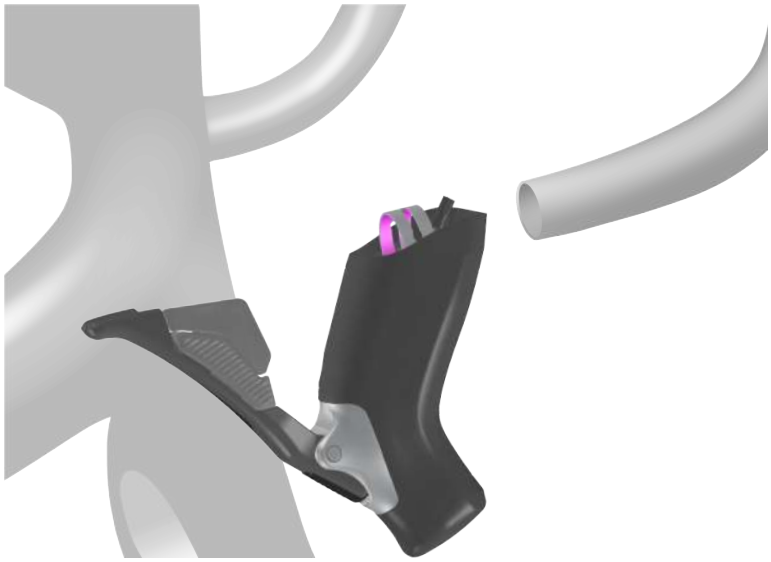
1. Route the brake hose according to your frame manufacturer's specification.



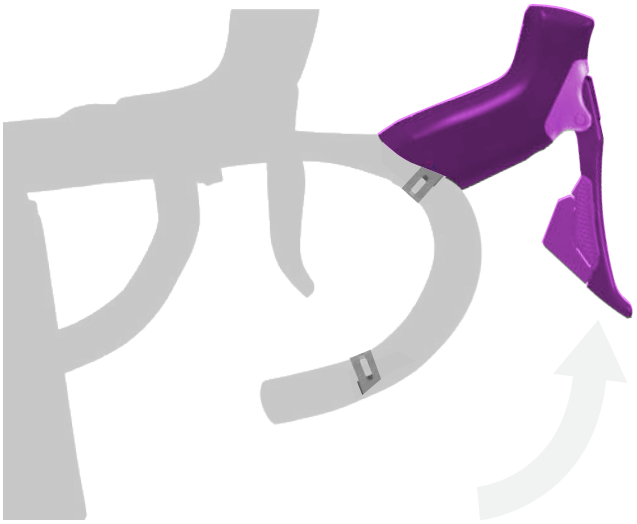
2. Determine and mark the correct length of hose required that allows full range of motion of the handlebars.
3. Install a compression nut and olive onto the hose.
4. Trim the hose to the previously marked length using the proper hose cutter tool to ensure a straight, clean cut.
5. Install the barb completely into the hose. There should be no gap between the hose and the barb.
6. Hold the brake/shift lever with the oil outlet facing upward.
7. Roll the hood cover from the back and remove the plastic plug using a 5 mm Allen wrench.
8. Insert the brake hose into the brake/shifter and ensure the barb is properly seated.
9. While pushing in the brake hose, tighten the compression nut using an 8 mm wrench to 6Nm and wipe off any oil residue.

Brake/Shift Lever Installation

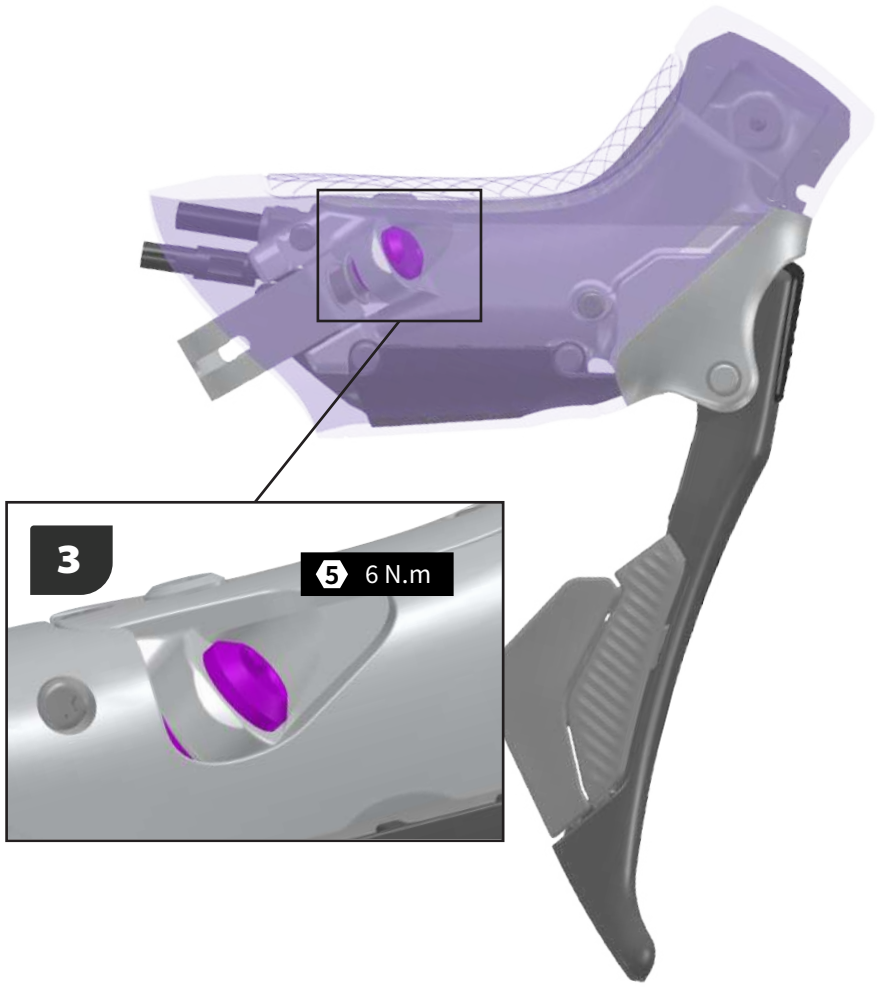
1 Install the brake/shifter on the bar using the supplied clamp. Apply friction paste to the inner clamping surface when installing with carbon fiber handlebars to prevent rotation without overtightening.



2 Ensure the brake/shifter is mounted on the correct side of the handlebar and set the brake/shifter to the desired position.



3 Fold the hood cover forward and tighten the clamp bolt to 6Nm using a 5 mm Allen wrench.

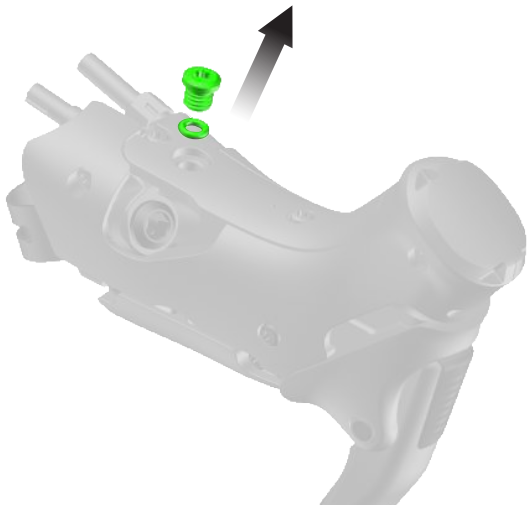


4 Replace the rubber hood.

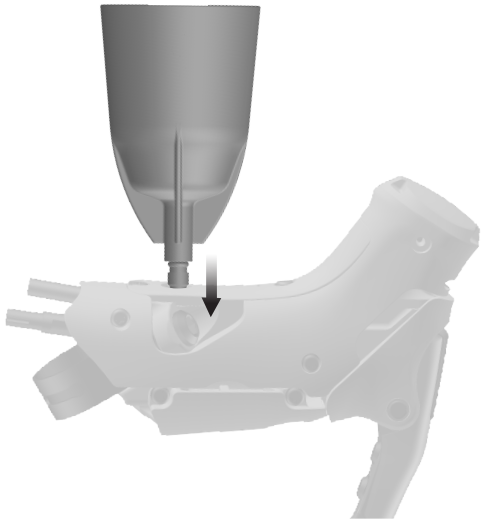
Bleed Procedure

1 Position the brake lever with the bleed screw parallel to the ground.

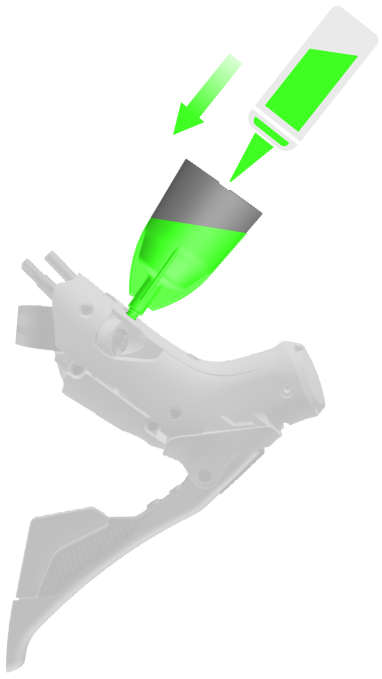
2 Remove the bleed screw and O-ring using a T15 Torx screwdriver.

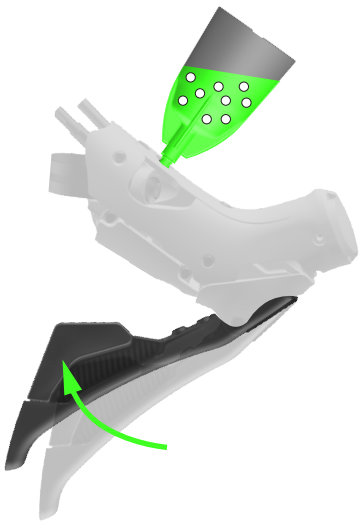


3 Thread the bleed funnel into the bleed port.



4 Fill the bleed funnel halfway with TRP/Tektro mineral oil, then slowly apply and release the brake lever to cycle the brake. As the brake/shift lever is operated, air bubbles in the system will rise through the bleed port into the bleed funnel.

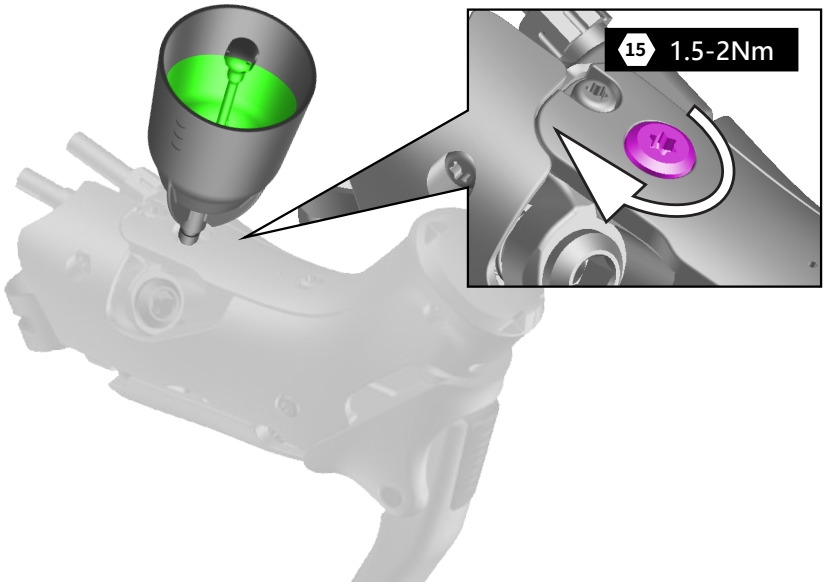




5 With all the air removed, plug the bleed funnel with the oil stopper.

6 Remove the bleed funnel. Pour any remaining fluid into a collection bottle and dispose of in accordance with local laws and regulations.

7 Reinstall the O-ring and bleed screw into the bleed port and tighten it using a T15 Torx screwdriver to 1.5-2Nm.

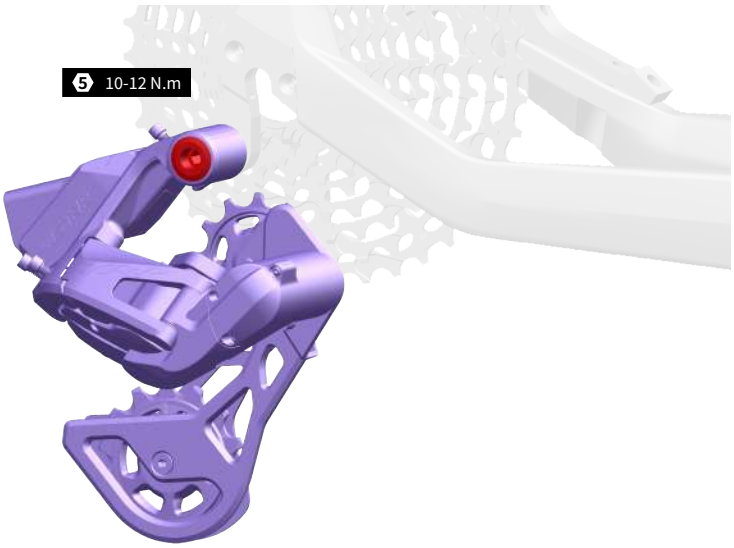


8 Wipe away any residual oil with a paper towel or rag and isopropyl alcohol.

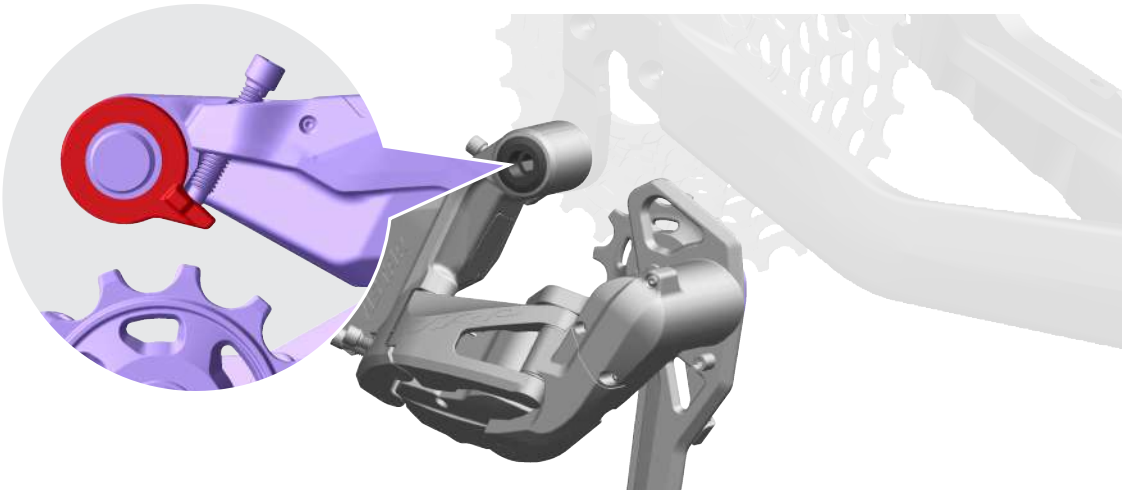
Derailleur installation

1. Ensure the derailleur hanger is straight using a hanger alignment tool.

2. Mount the derailleur to the hanger using a 5 mm Allen wrench.



3. While tightening the main bolt to the hanger, ensure the B-plate is placed firmly against the hanger; there should be no gap between the B-plate and the hanger.
4. Torque the derailleur to 10-12 Nm.



NOTICE

Hanger straightness is critical to the performance of the rear derailleur. As such, proper care must be taken to ensure it is within the tolerance specified by the frame manufacturer.

Do not apply grease to the mounting bolt or derailleur hanger threads.

Cassette Compatibility

Model	Min tooth	Max tooth
RD-C8000E	11T	34T
RD-G8000E	11T	40T

Bottom Bracket Installation: (PF86.5)

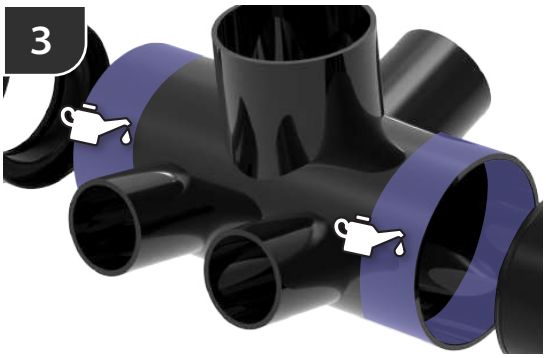
1

Measure the width of the frame. Check the TRP BB & Crankset Compatibility Chart to ensure that you are choosing the correct Bottom Bracket.

2

Install the center tube into the right side cup before installing into the frame.

3



Lightly grease the BB shell and BB evenly.

4

Use a standard press fit tool to install the right-side cup into the frame.

(Use Bearing Cup Press tool to install)

5

Repeat Step 5 for the left side cup.

Bottom Bracket Installation: (PF86.5)

6 Following the TRP BB & Crankset Compatibility Chart, put any necessary spacers if needed.

BB shell frame width	Fully assembled width	Non-drive side outer spacer	Non-drive side spacer	Drive side spacer	Drive side outer spacer	Use the following crankset
89.5mm	91mm	X	X	X	X	FC-C8000
92mm	96mm	1 x 2.5mm	X	X	1 x 2.5mm	FC-G8000

Crankset Installation:

1 Measure the width of the frame. Check the TRP BB & Crankset Compatibility Chart to ensure that you are choosing the correct Bottom Bracket.

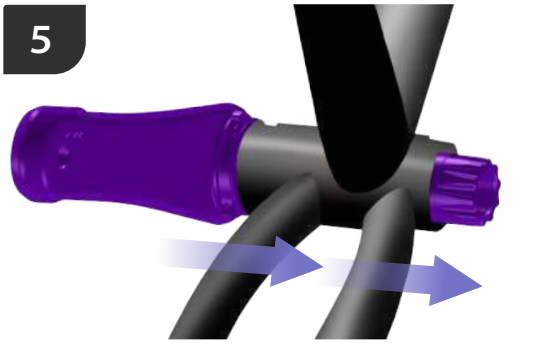
2 Turn the preload adjuster until it contacts the crank arm.

3 Ensure the dust shield is installed on both sides of the bottom bracket.

4

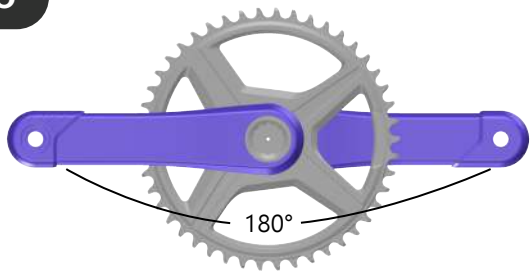
Lightly grease the bearing contact surfaces on the spindle and the bottom bracket.

5



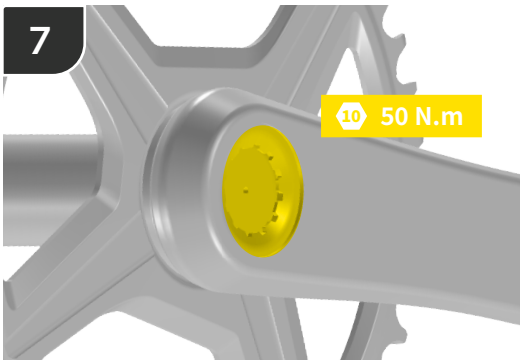
Install the non-drive side crank arm through the frame.

6



Install the drive side crank arm onto the spindle. (Confirm the crank arms are positioned 180° apart)

7

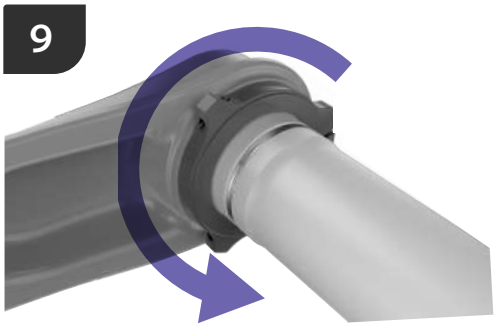


Tighten the drive side crank by using a 10 mm hex wrench (50Nm).

8

Gently tap until the crank arm is fully sealed against the bearing.

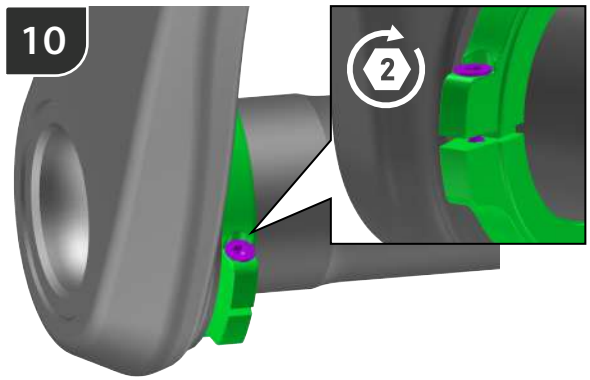
9



Turn the non-drive side preload adjuster to lightly preload the crankset against the bottom bracket.

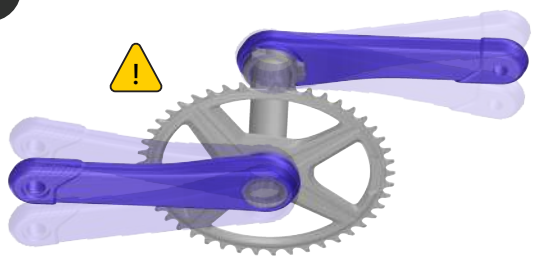
Crankset Installation:

10



Use a 2 mm hex wrench to tighten the preload adjuster ring bolts until the gap is less than 1 mm.
(Do not over-tighten the preload adjuster.)

11



Check both sides of the crankset to make sure there is no play.

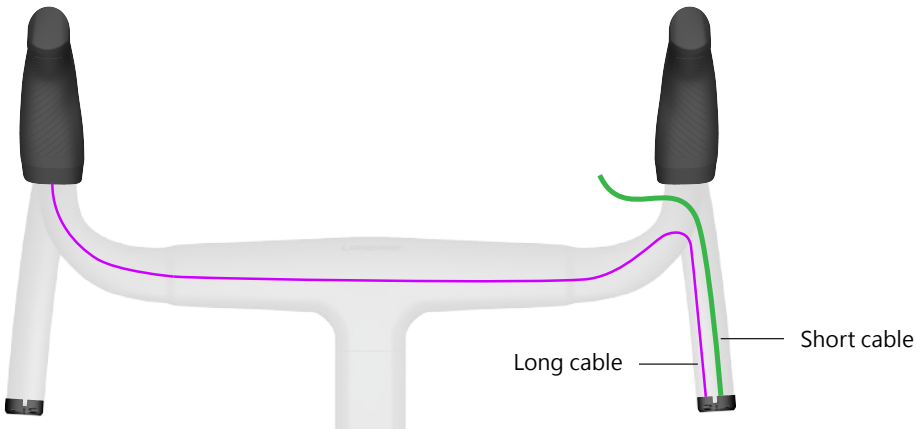
Use a 2 mm hex wrench to tighten the preload adjuster ring bolts until the gap is less than 1 mm.

12

Install the pedal washer between the crank arm and pedal.

Bar-End Unit Installation

1. Ensure your handlebar is compatible with the TRP Bar-end Unit. (If the handlebar is compatible with Shimano EW-RS910, this will work.)
2. Ensure the brake levers are installed onto the handlebar before installing the TRP Bar-end Unit.
3. Route the longer wire of the bar-end unit through the handlebar and out the bar end on the left-hand side of the handlebar.
4. Insert the right-hand brake/shifter wire through the dedicated hole on the right-hand side near the end of the handlebar.
5. Connect the short wire to the right-hand brake/shifter, ensuring the TRP logos on the connectors are aligned.
6. Insert the left-hand brake/shifter wire through the dedicated hole on the left-hand side near the end of the handlebar.
7. Connect the longer wire to the left-hand brake/shifter, ensuring the TRP logos on the connectors are aligned.
8. Ensure the connections are made properly by pressing the shift buttons on the brake/shifter. The LED on the bar-end unit should briefly flash with each button press.
9. With the connections properly made, pull any excess wire back towards the bar-end unit and insert the bar-end unit into the handlebar.
10. Tighten the screw on the Bar-end Unit collar using a P1 screwdriver to ensure the bar-end unit will stay in place.
11. Secure any loose wires before wrapping the handlebars with bar tape.



NOTICE

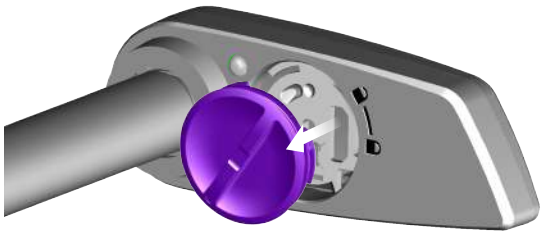
Improper installation may cause damage to the system.

Avoid frequent connection/disconnection of the TRP Bar-end Unit.

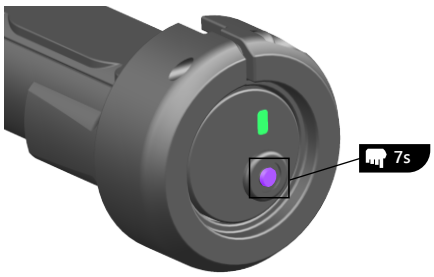
Take care to not allow water to enter the TRP Bar-end Unit.

Step. 1 Pairing with Classified Smart Thru-Axle

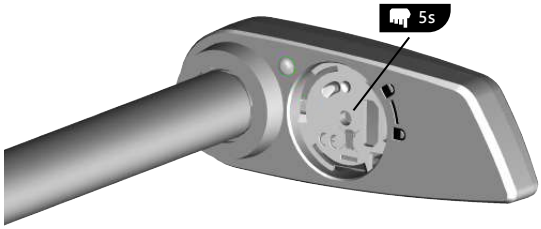
1 Remove the bayonet cap of the Classified Smart Thru Axle.



2 Press and hold the function button on the TRP Bar-end Unit for 7 seconds until the green LED begins blinking slowly



3 Press and hold the function button with a small screwdriver or Allen wrench for 5 seconds until the green LED turns on.



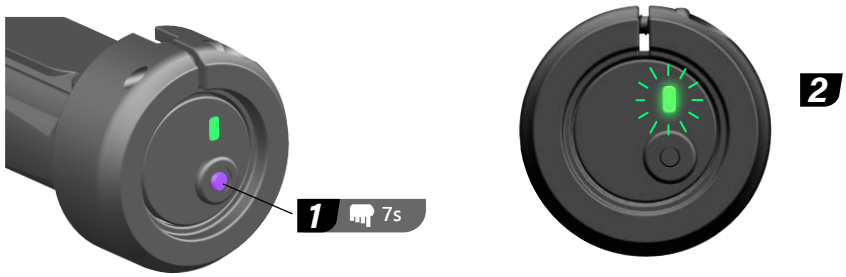
4 The system should pair automatically, indicated by a quick flashing green LED on the Bar-end Unit.

5 Ensure the pairing was successful by pressing either button on the left-hand brake/shifter. After successfully pairing, the green LED on the thru-axle should flash with each button press on the brake/shifter.

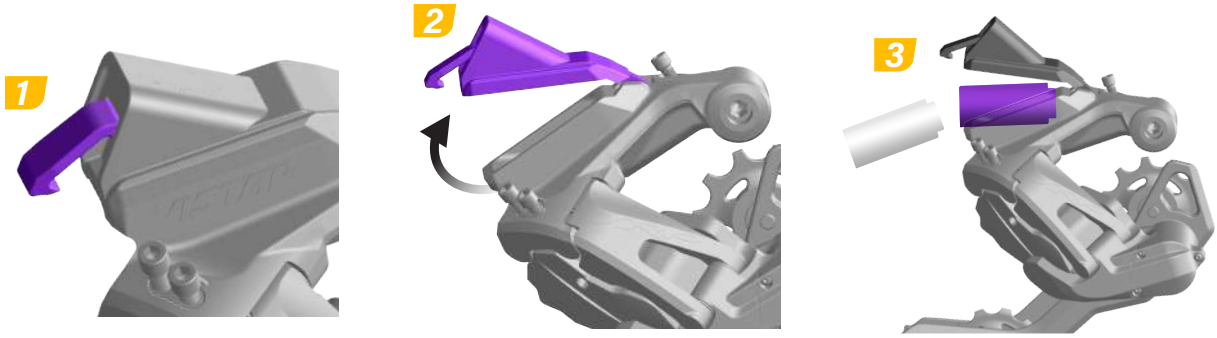
6 If pairing is unsuccessful, the Classified Smart Thru Axle may need to have its previous pairings cleared. Hold the function button for 30 seconds until the LED turns red and follow the pairing procedure again.

Step. 2 Pairing Bar-End Unit with Rear Derailleur

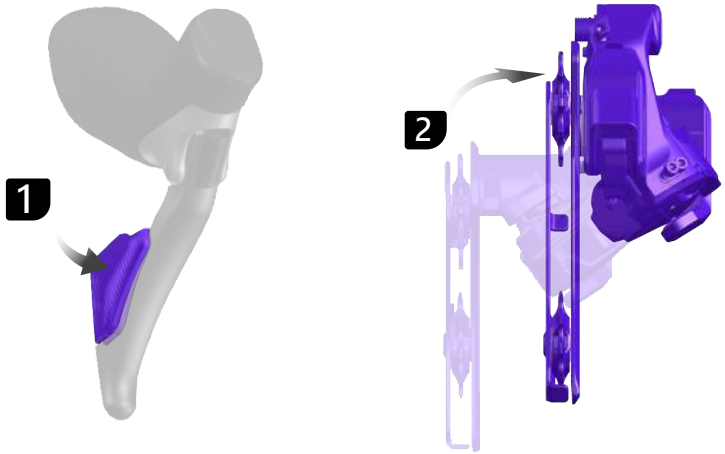
1 Press and hold the function button on the TRP Bar-end Unit for 7 seconds until the green LED begins blinking slowly.



2 Install the battery into the rear derailleur. The system should pair automatically, indicated by a quick flashing of the green LED on the Bar-end Unit.



3 Ensure the paring was successful by pressing either button on the right-hand brake/shifter. After successfully paired, the green LED on the bar-end unit should flash and the derailleur should respond with each button press on the brake/shifter.



NOTICE

Nominal Voltage: DC 8.4Vdc 3A

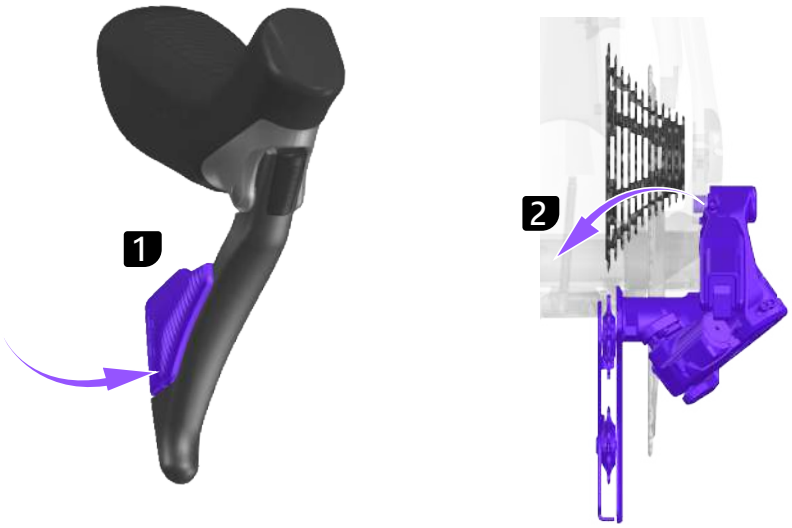
Shift Operation

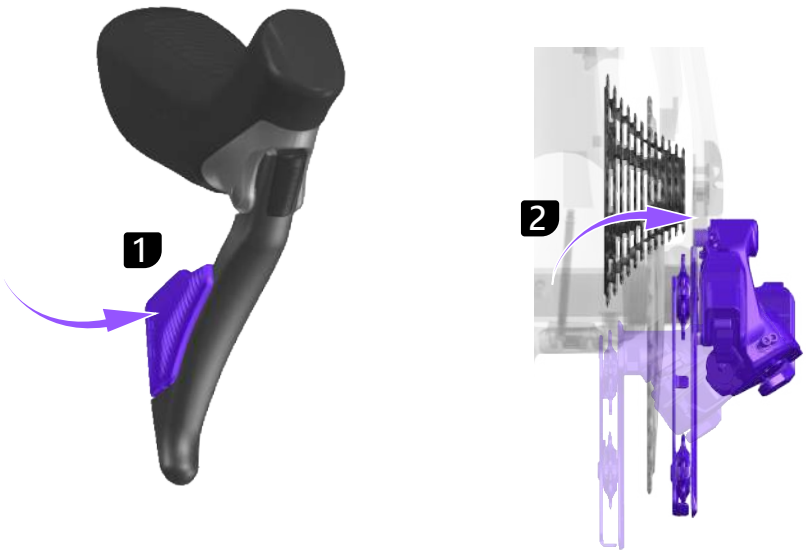
Once the whole system is fully paired, press Button 01 (R1) to move the derailleur inboard to a larger cog. Press and hold the R1 for multiple shifts.

Press Button 01 (R2) to move the derailleur outboard to a smaller cog. Press and hold the R2 for multiple shifts.

Press Button 03 (L1) to engage the Classified PowerShift hub.

Press Button 04 (L2) to disengage the Classified PowerShift hub.





Chain Sizing

Warning

Failure to size or connect the chain properly may lead to chain failure or cause the rider to crash, resulting in serious injury and/or death. A chain must be installed to properly adjust your derailleur.

Chainring Size	Add links
50T / 52T	Add 4 links
44T / 46T / 48T	Add 4 links