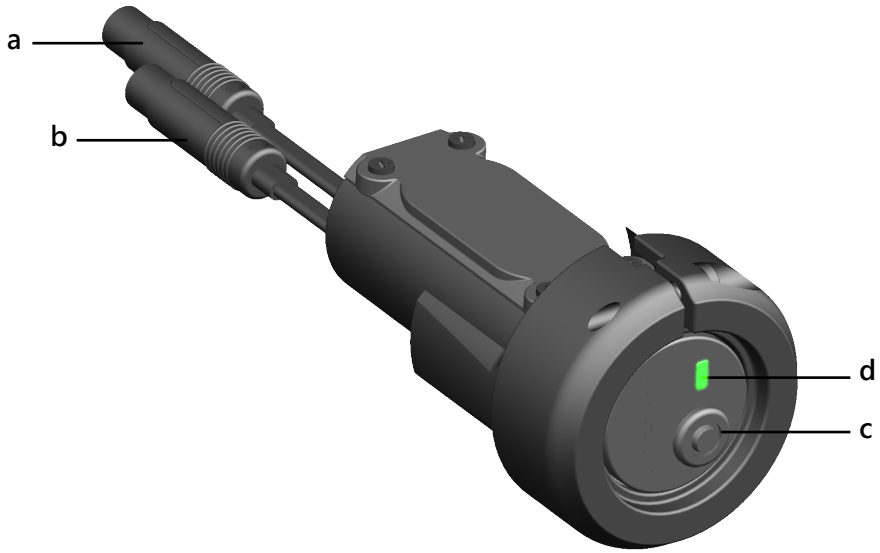
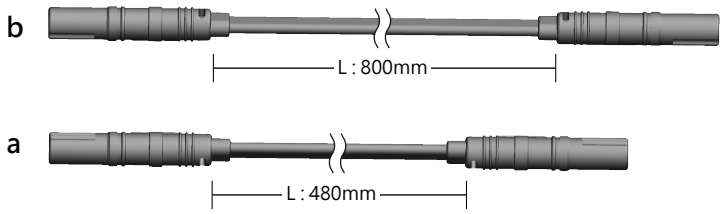
VISTAR User Manual

RD-C8000E, RD-G8000E / HD-S8000E / SW-C8000E

https://tektro.com/zh-Hant/brand/Trp

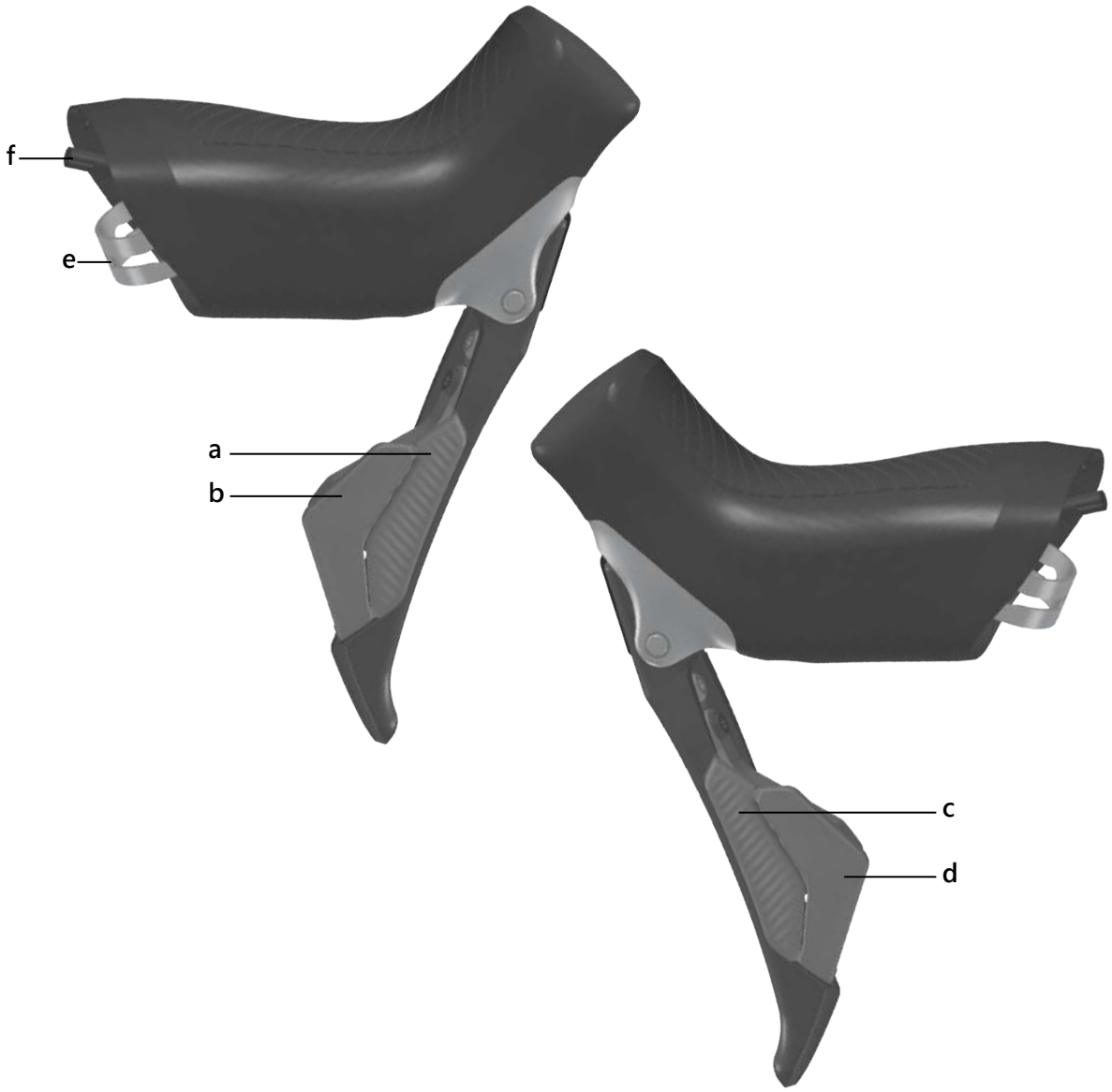
TRP Bar-end Unit (SW-C8000E)





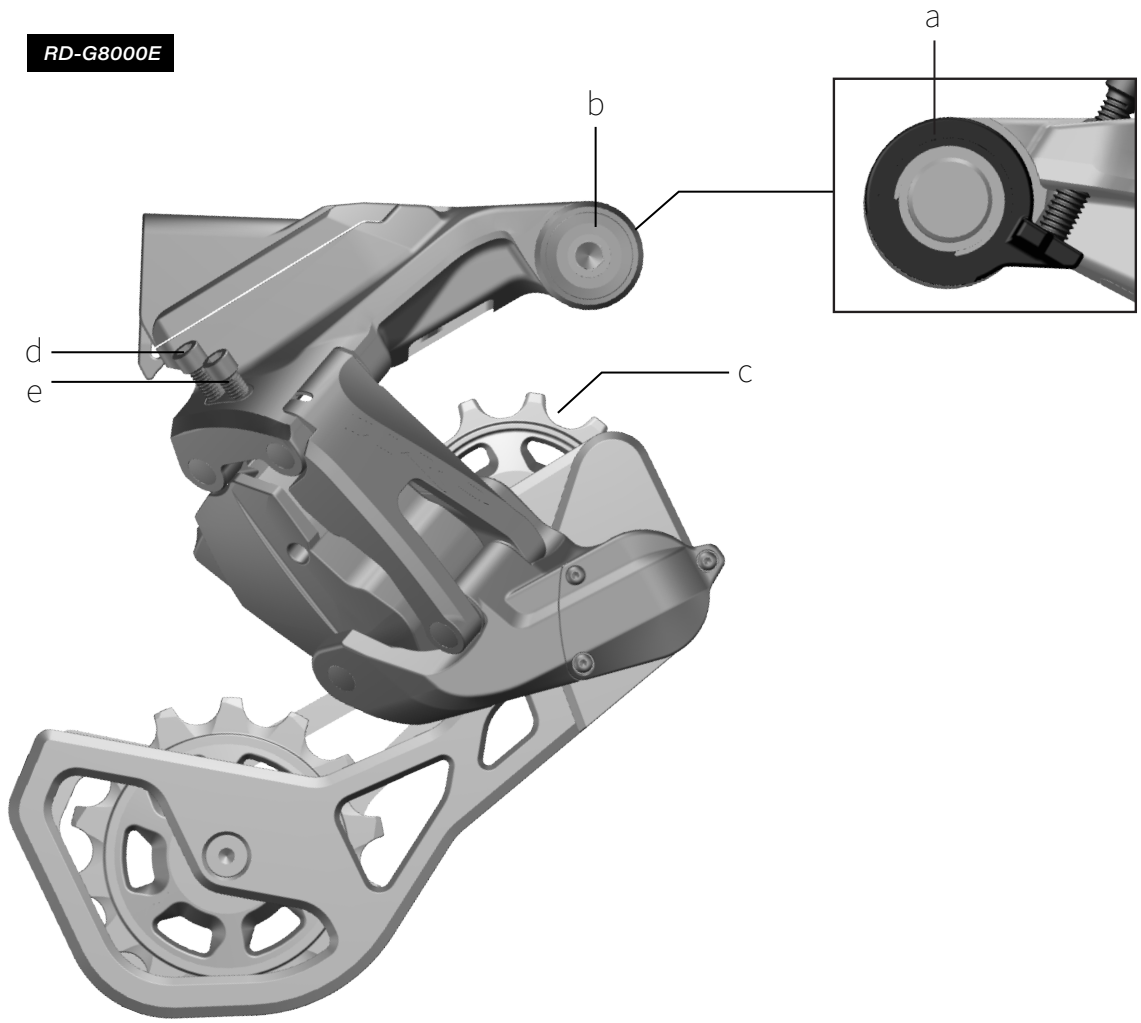
a. Right hand cable (R)
b. Left hand cable (L)
c. Function button
d. LED indicator

Brake/Shift Lever (HD-S8000E)

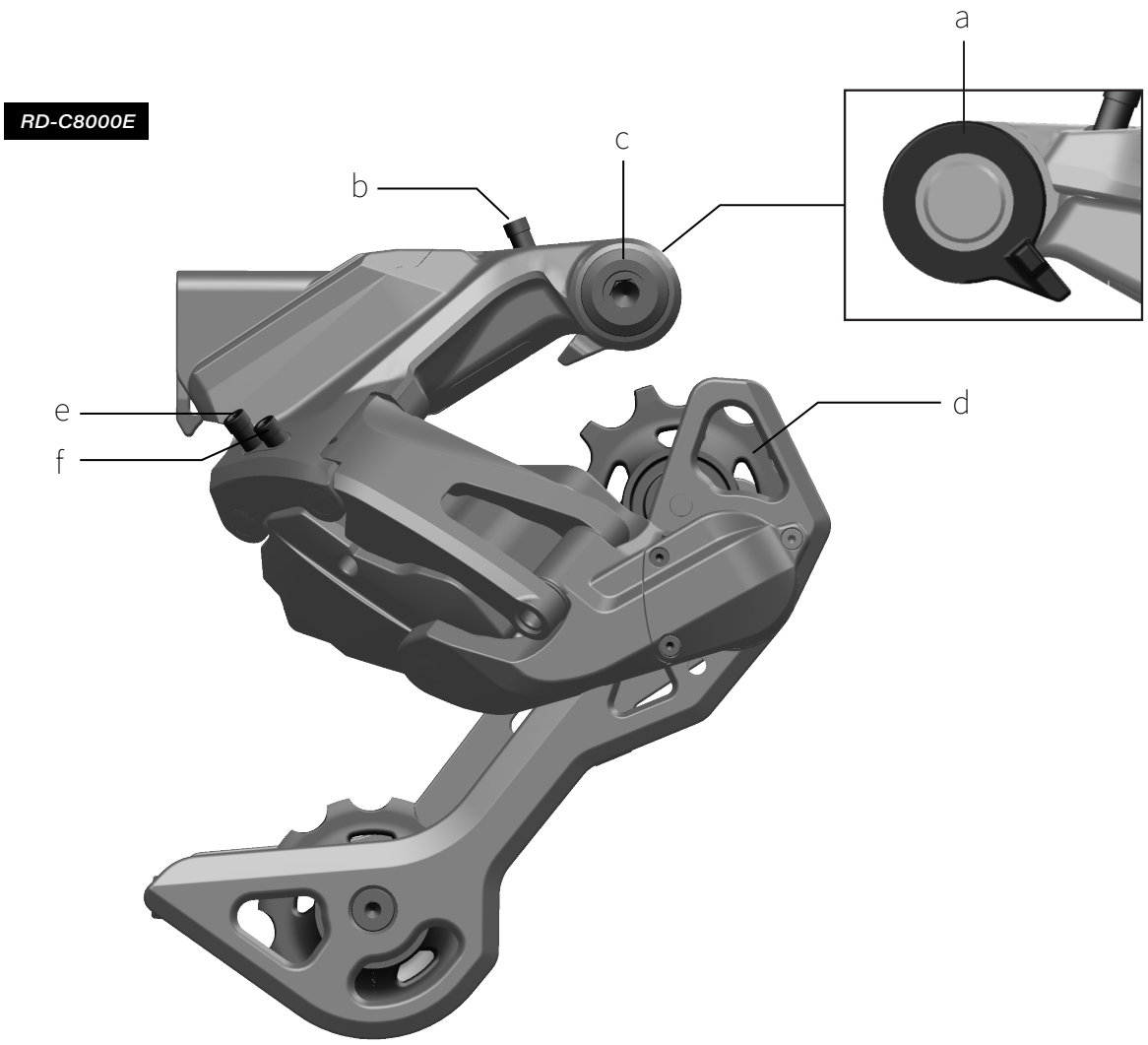


a. Button 01 (R1)
b. Button 02 (R2)
c. Button 03 (L3)
d. Button 04 (L4)
e. Clamp
f. Cable

RD-G8000E



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



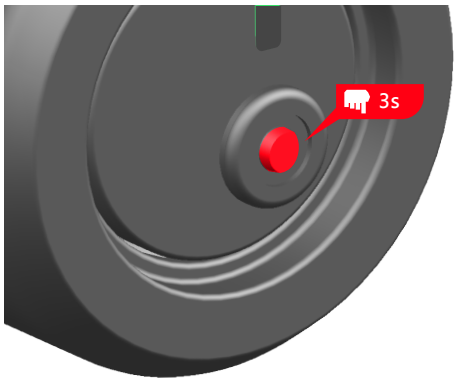
a. B-plate
b. B-tension screw
c. Mounting bolt
d. Upper pulley
e. High-limit screw
f. Low-limit screw

Bar-End Unit (BEU) Shipping Mode Notice

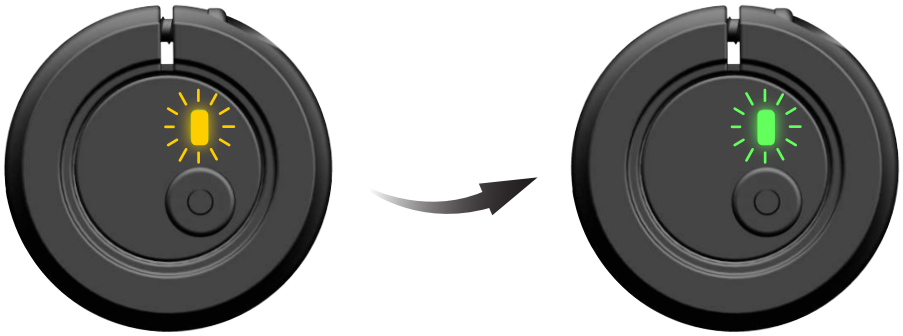
Bar-End Unit (BEU) obtained through official distribution channels are shipped in Shipping Mode by default. Please follow the steps below to switch the BEU to Normal Mode:

1 Check if the BEU is in Shipping Mode by pressing the function button once. If the yellow LED blinks twice, the unit is in Shipping Mode.

2 Press and hold the function button for 3 seconds.

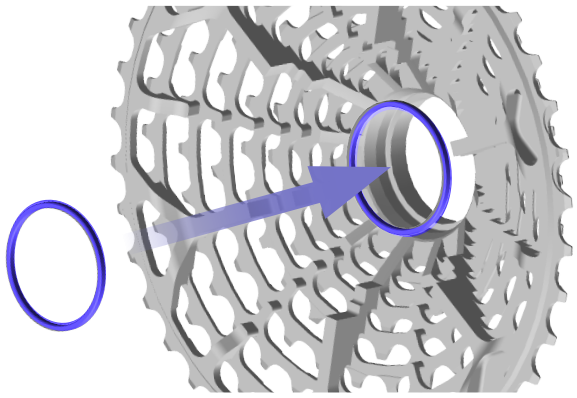


3 The yellow and green LEDs will flash to indicate the mode switch.

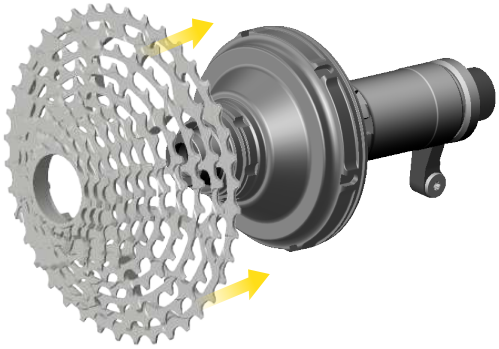


CS-CL80XX-12 Cassette Installation Guide

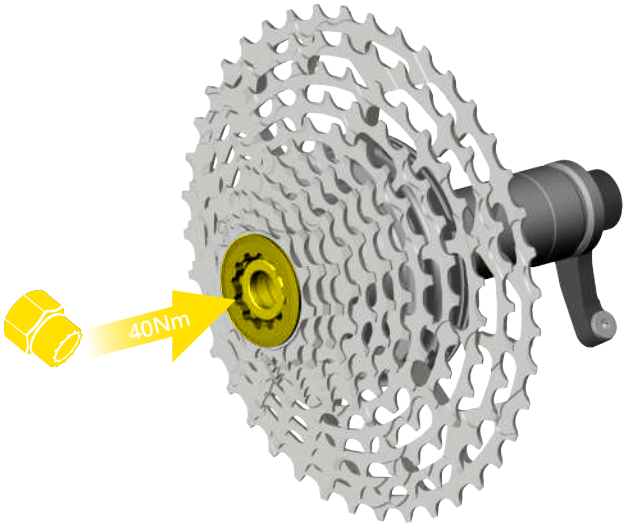
1 Place the cassette spacer securely onto the cassette.



2 Slide the cassette directly onto the hub, ensuring a proper fit.



3 Using a cassette lockring tool, secure the lockring onto the cassette and tighten it to a torque of 40 Nm.

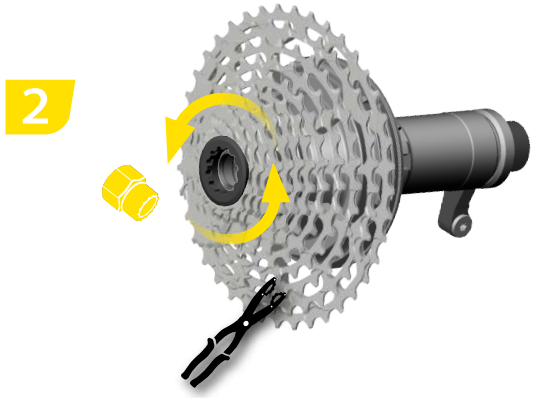


CS-CL80XX-12 Cassette Installation Guide

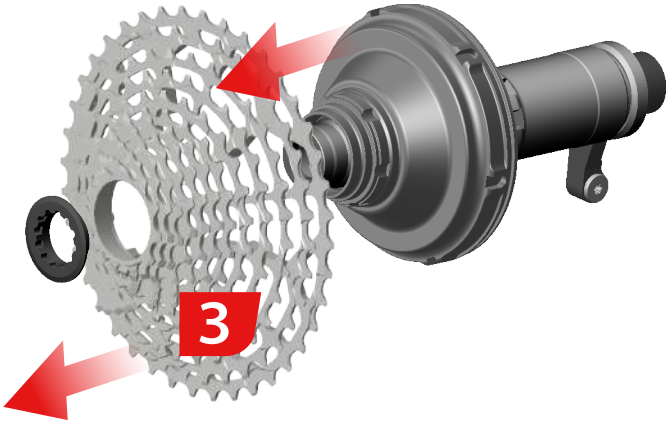
Removal Instructions

1 Use cassette pliers or a chain whip tool to firmly hold the cassette in place

2 Insert a cassette lockring tool and turn the lockring counterclockwise to unscrew and remove it completely.



3 Gently pull the cassette away from the hub to remove it



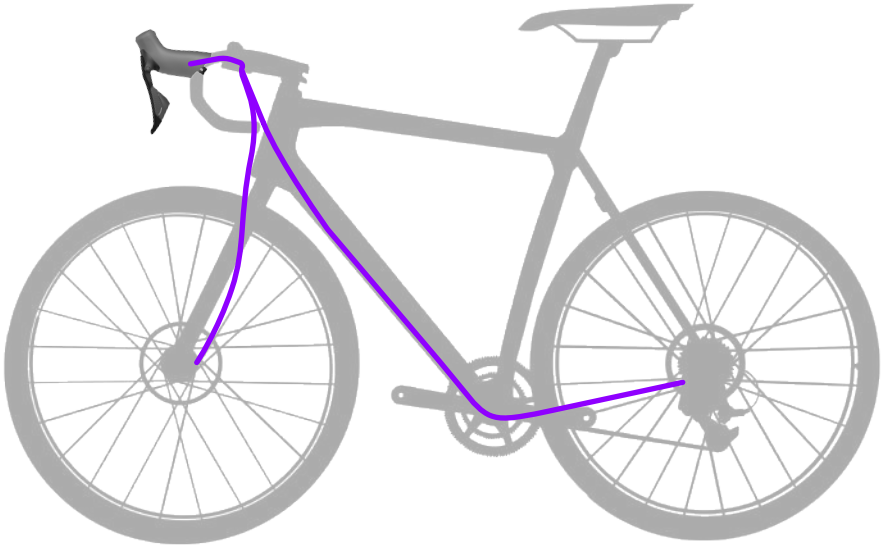
Compatibility Note

The following cassette models are compatible only with the Classified Powershift Hub:

- CS-CL8030-12
- CS-CL8032-12
- CS-CL8034-12
- CS-CL8036-12
- CS-CL8040-12

Caliper Installation

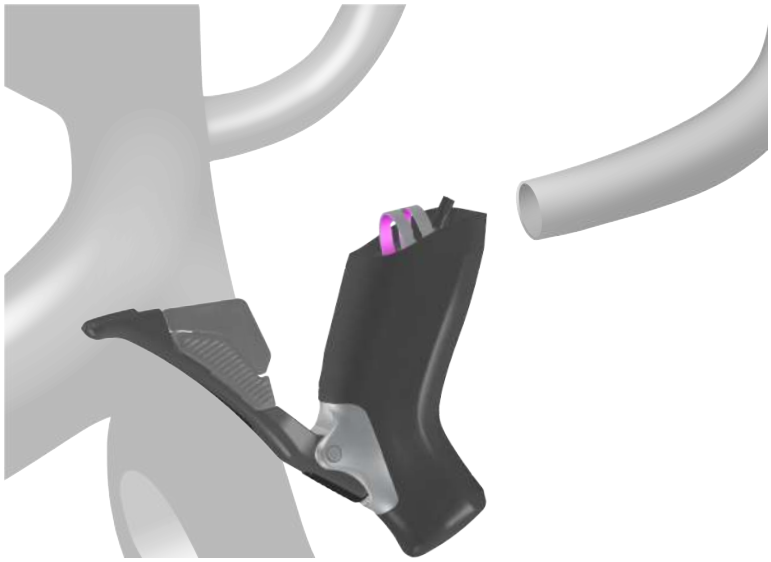
1. Route the brake hose according to your frame manufacturer's specification.



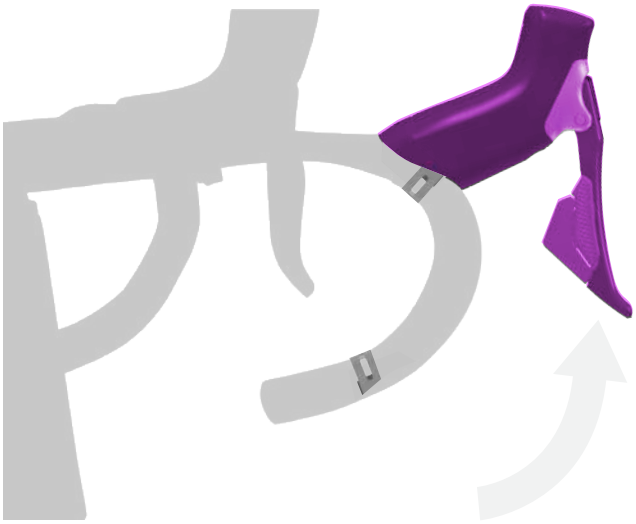
2. Determine and mark the correct length of hose required that allows full range of motion of the handlebars.
3. Install a compression nut and olive onto the hose.
4. Trim the hose to the previously marked length using the proper hose cutter tool to ensure a straight, clean cut.
5. Install the barb completely 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

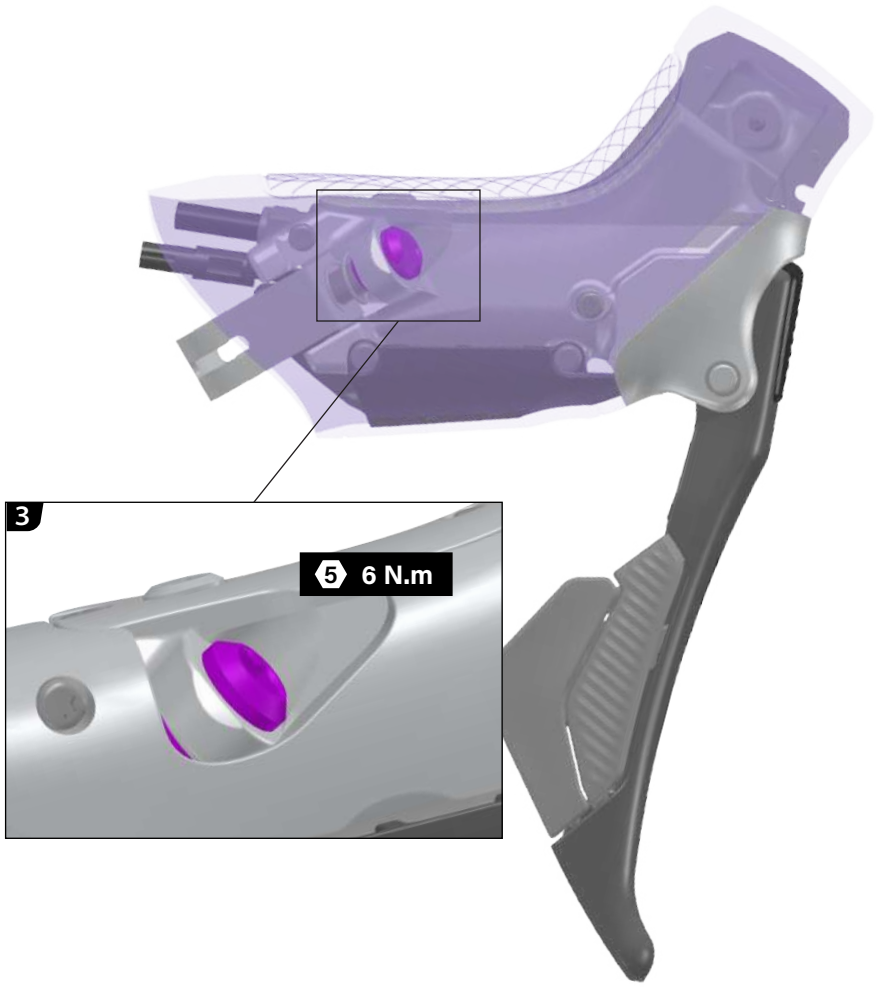
1 Install the brake/shifter on the bar using the supplied clamp. Apply friction paste to the inner clamping surface when installing with carbon fiber handlebars to prevent rotation without overtightening.



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.



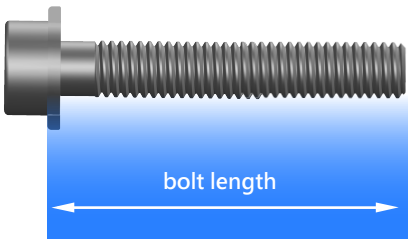
4 Replace the rubber hood.

NOTE

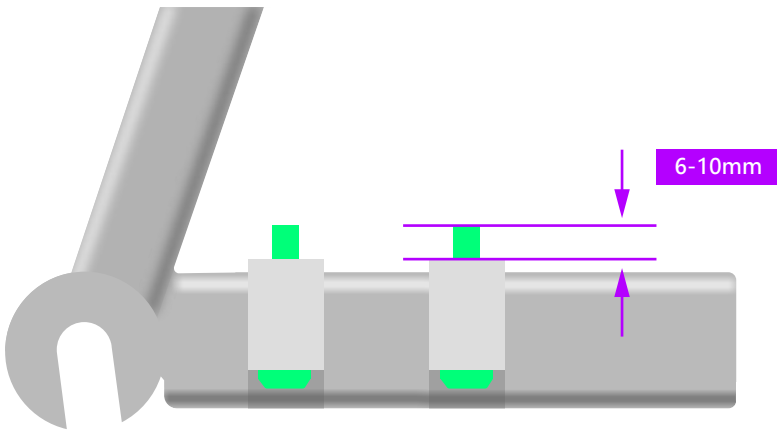
Before installation, determine the caliper mounting type, the fork and frame standards, the rotor size, and the appropriate mounting hardware

Warning

Select the correct bolt length to ensure proper thread engagement. Using bolts that are too short may cause the brakes to disengage from the bike, leading to a potential crash and resulting in serious injury or even death.



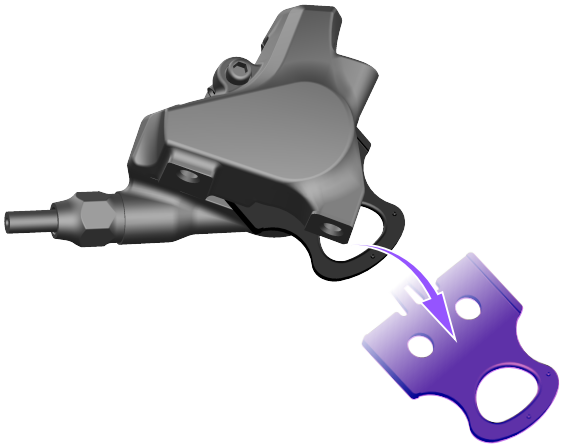
Bolt length sizes	
• M5x17	• M5x32
• M5x22	• M5x37
• M5x27	• M5x42



Disc Brake Caliper Installation

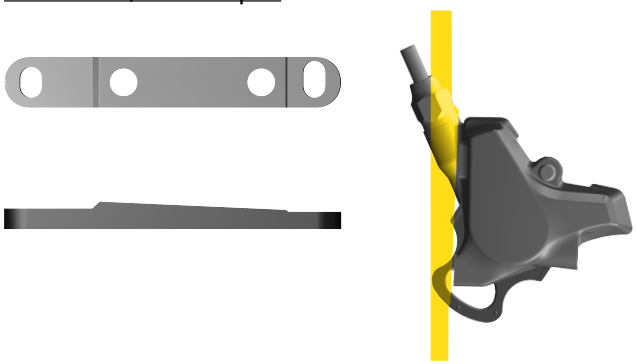
For fork and frame specifications requiring a bolt-on adapter, install the adapter in the correct orientation for your caliper setup.

1 Remove brake pad protector from the caliper.

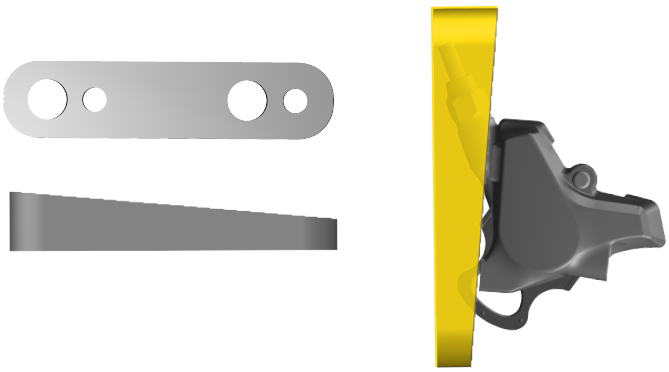


2 Select the correct adapter (front or rear) for the size of rotor

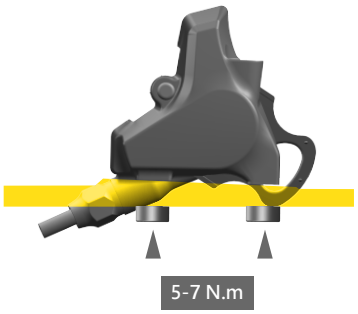
FM1.1 R140/R160 Adapter



FM1.1 R160 Adapter



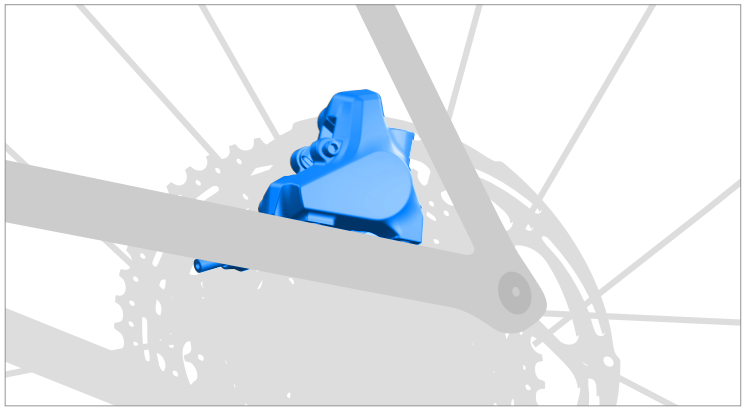
3 Tighten the bolts



Flat Mount Caliper Installation

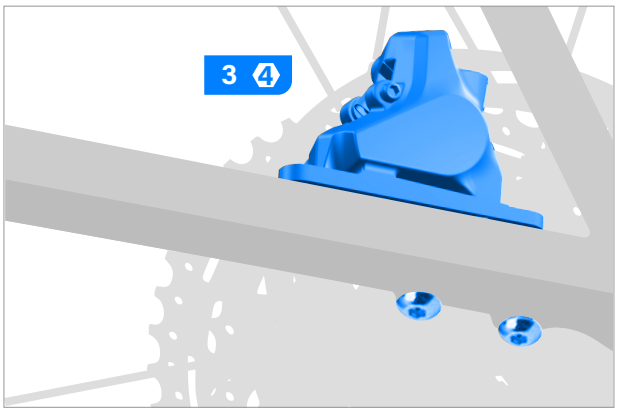
The installation, centering, and torque process is the same for all flat and post-mount calipers, regardless of whether an adapter, post or protector is used.

1 Install the caliper loosely onto the fork or frame

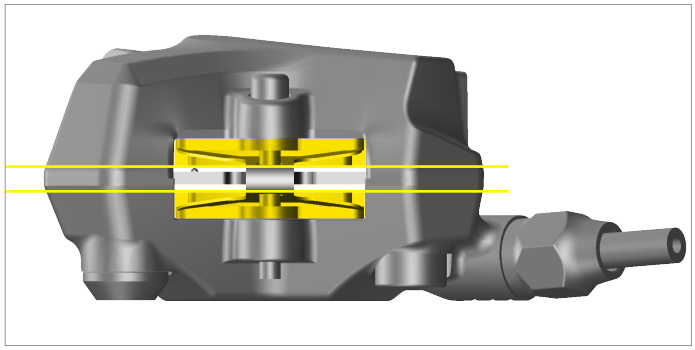


2 Gently squeeze the lever blade (approximately 2~3 kg) repeatedly to advance the caliper pistons to the rotor. Once the pistons make contact, hold the lever blade and lightly tighten the bolts.

3 Ensure that the brake pads are evenly spaced on both sides of the rotor.



4 Lightly squeeze the brake lever nd hold it, then tighten the bolts to the specified torque. (approximately 2~3 kgf)



If the brake pads rub against the rotor, loosen the caliper bolts and adjust the caliper position. Repeat steps 2-4.

NOTE

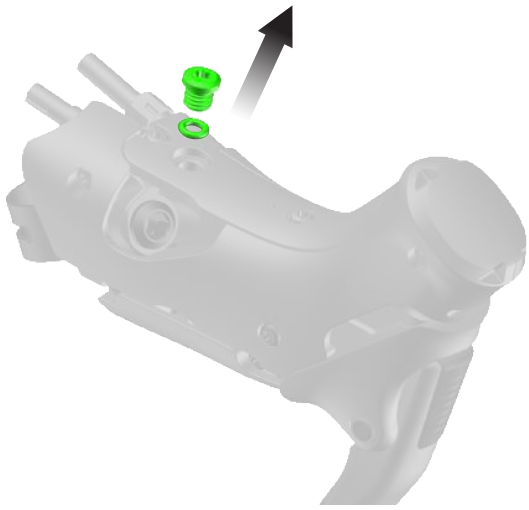
Do not lubricate or clean the caliper pistons.

Avoid squeezing the brake lever without a TRP brake pad protector or rotor installed.

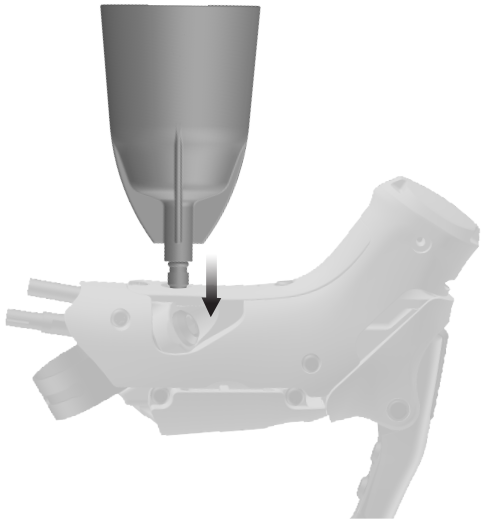
Bleed Procedure

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

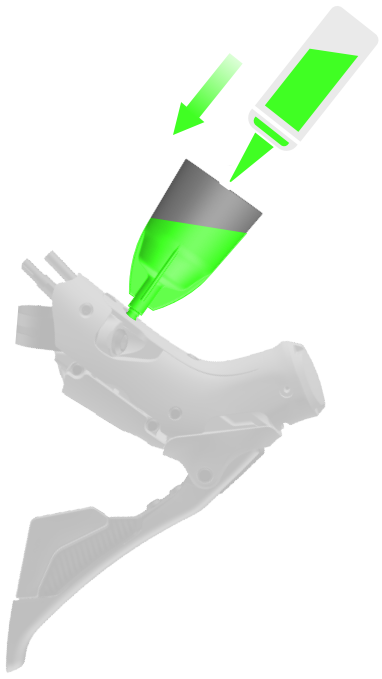
2 Remove the bleed screw and O-ring using a T15 Torx screwdriver.

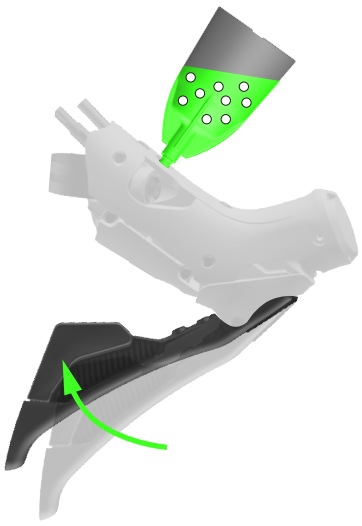


3 Thread the bleed funnel into the bleed port.



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.

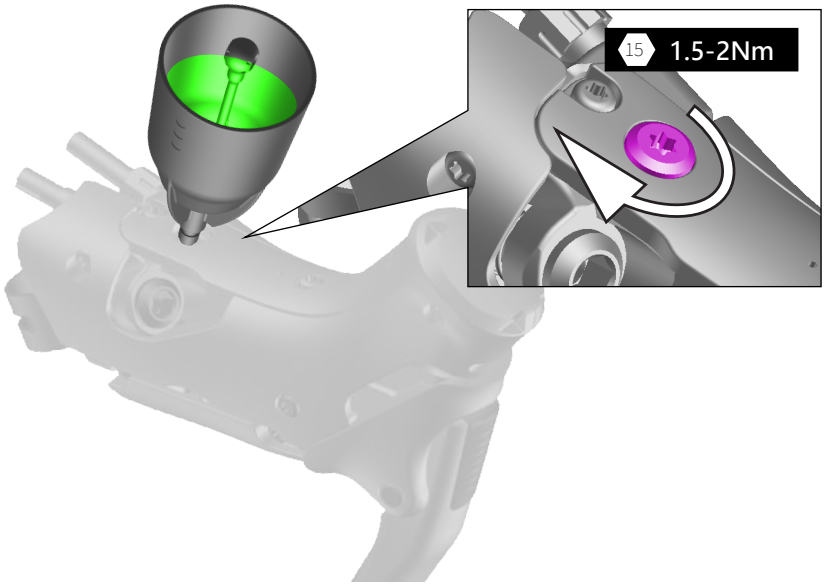




5 With all the air removed, plug the bleed funnel with the oil stopper.

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.



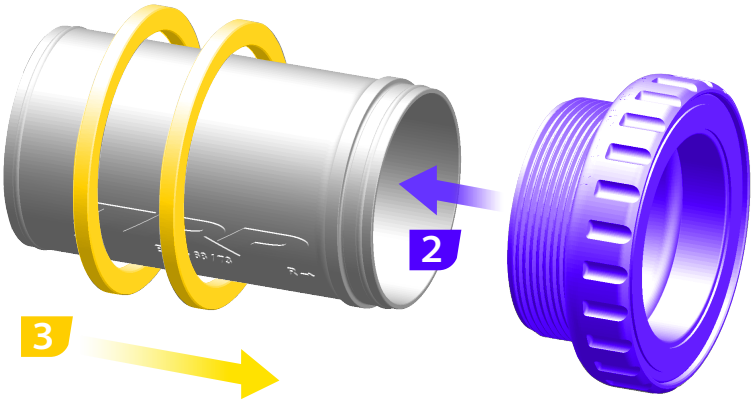
8 Wipe away any residual oil with a paper towel or rag and isopropyl alcohol.

Bottom Bracket Installation (BSA)

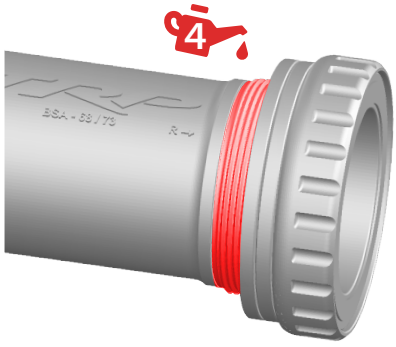
1 Measure the width of the frame.
Check the TRP BB & Crankset Compatibility Chart to ensure that you are choosing the correct Bottom Bracket.

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

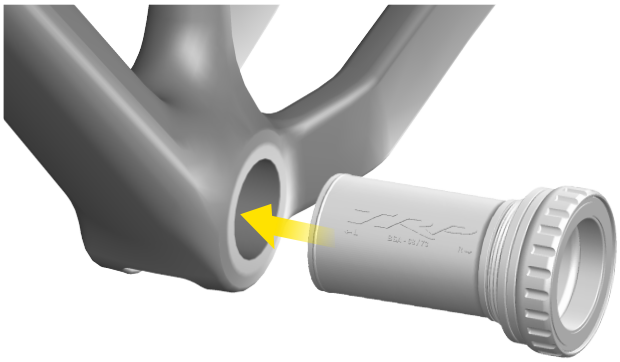
3 Put any necessary spacers on BB cups. Following the TRP BB & Crankset Compatibility Chart



4 Lightly grease the BB shell and BB evenly.

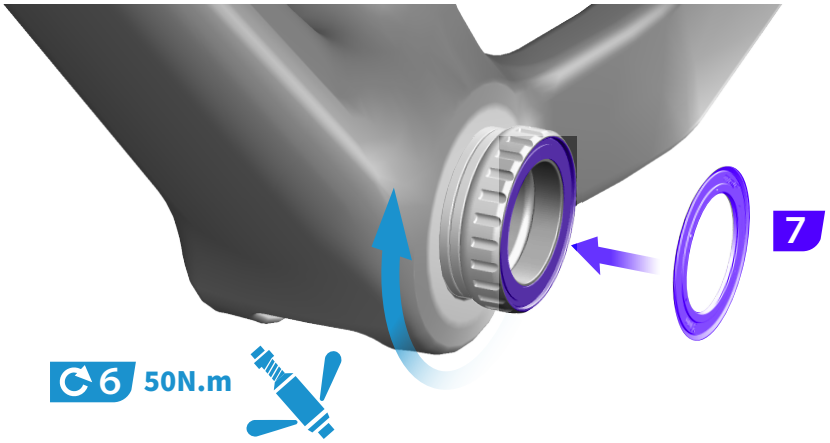


5 Make sure both BB cups and center tube are aligned.



6 Use DUB TM BSA Bottom Bracket Tool to tighten both cups to 50N.m (37ft.lbs).

7 Make sure dust covers are installed before installing the crankset



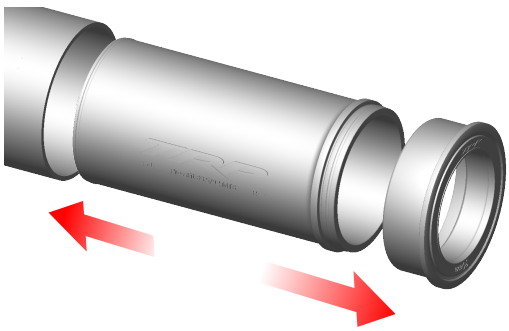
8 Following the TRP BB & Crankset Compatibility Chart, put any necessary spacers if needed.

BSA						
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
68mm	96mm	✕	1 x 2.5mm	1 x 2.5mm	1 x 2.5mm	FC-C8050 FC-C9070
73mm	96mm	✕	✕	1 x 2.5mm	✕	FC-C8050 FC-C9070
83mm	111mm	✕	1 x 2.5mm	1 x 2.5mm	1 x 2.5mm	FC-C8070 FC-C9070

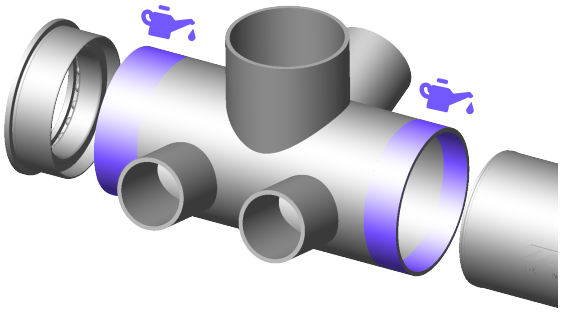
Bottom Bracket Installation (PF86.5)

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

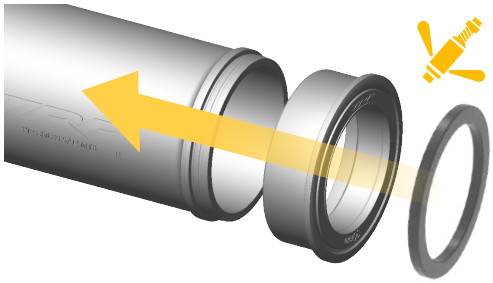
2 Install the center tube into the right side cup before installing into the frame.



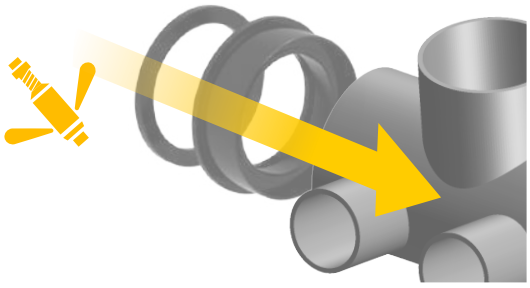
3 Lightly grease the BB shell and BB evenly.



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.



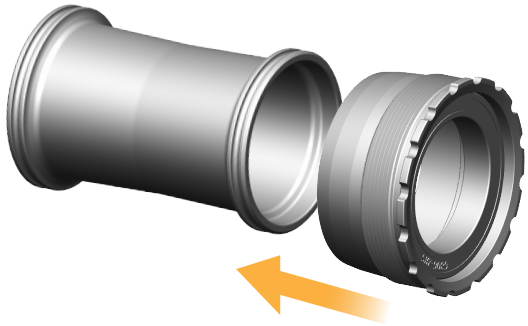
6 Following the TRP BB & Crankset Compatibility Chart, put any necessary spacers if needed.

T47a						
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	×	×	×	×	FC-C8000
92mm	96mm	1 x 2.5mm	×	×	1 x 2.5mm	FC-G8000

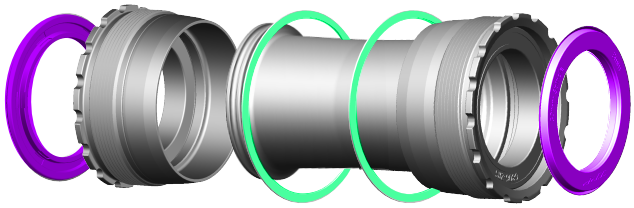
Bottom Bracket Installation (T47 Series)

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

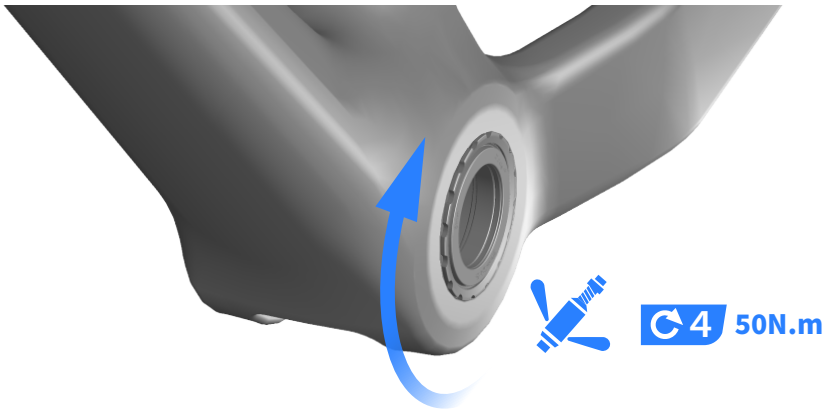
2 Install the center tube into right side cup before installing in the frame.



3 Following the TRP BB & Crankset Compatibility Chart, put any necessary spacers on BB cups.



4 Use Bottom Bracket Tool to tighten both cups to 50Nm (37ft.lbs). Ensuring they are tightened according to the direction arrows on the bottom bracket.



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

T47i						
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
85.5mm	91mm	×	1 x 0.5mm	1 x 0.5mm	×	FC-C8000
85.5mm	96mm	1 x 2.5mm	1 x 0.5mm	1 x 0.5mm	1 x 2.5mm	FC-G8000
86.5mm	91mm	×	×	×	×	FC-C8000
86.5mm	96mm	1 x 2.5mm	×	×	1 x 2.5mm	FC-G8000

T47i						
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
68mm	91mm	×	×	×	×	FC-C8000
68mm	96mm	1 x 2.5mm	×	×	1 x 2.5mm	FC-G8000

T47i						
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
76.75mm	91mm	×	1 x 0.5mm	1 x 0.5mm	×	FC-C8000
76.75mm	96mm	1 x 2.5mm	×	1 x 0.5mm	1 x 2.5mm	FC-G8000

Crankset Installation

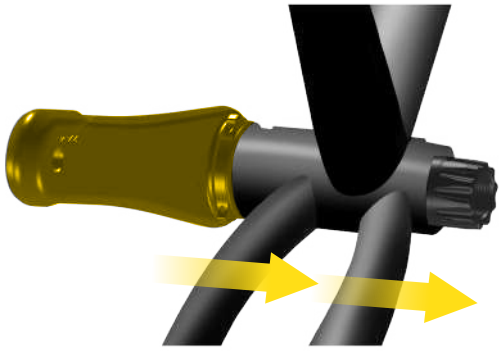
1. Measure the width of the frame. Check the TRP BB & Crankset Compatibility Chart to ensure that you are choosing the correct Bottom Bracket.

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

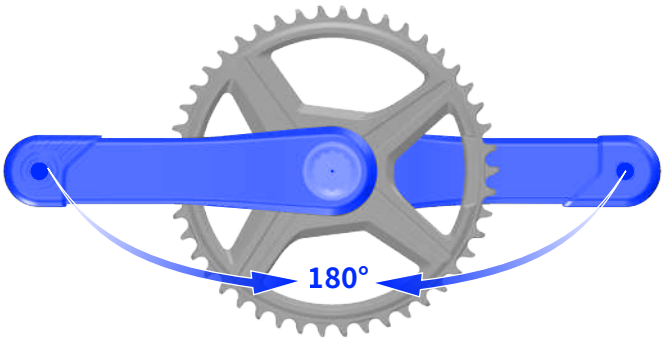
3. Ensure the dust shield is installed on both sides of the bottom bracket.

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

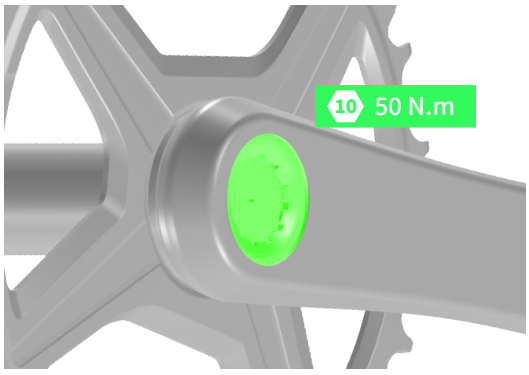
5. Install the non-drive side crank arm through the frame.



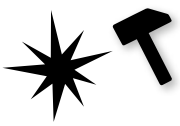
6. Install the drive side crank arm onto the spindle. (Confirm the crank arms are positioned 180° apart)



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

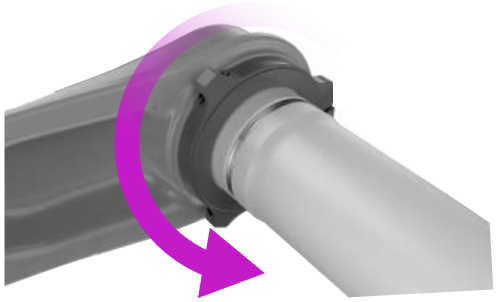


8. Gently tap until the crank arm is fully sealed against the bearing.

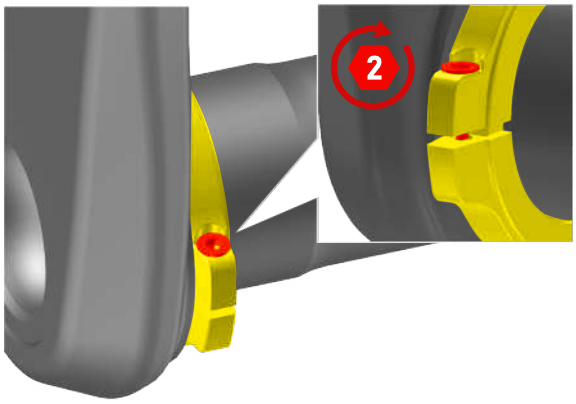


Crankset Installation:

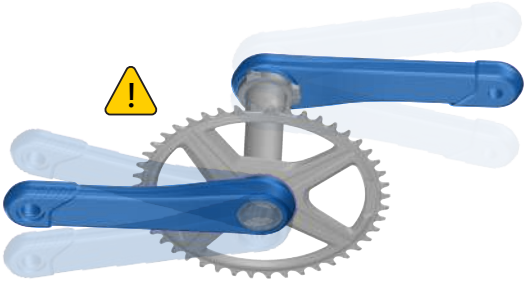
9 Turn the non-drive side preload adjuster to lightly preload the crankset against the bottom bracket.



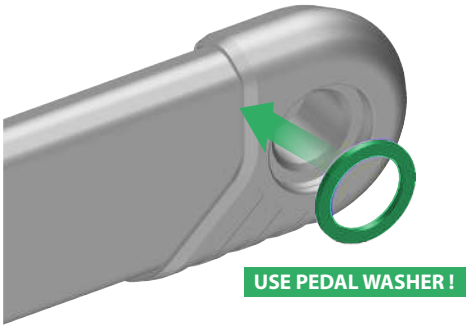
10 Use a 2 mm hex wrench to tighten the preload adjuster ring bolts until the gap is less than 1 mm.
(Do not over-tighten the preload adjuster.)



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

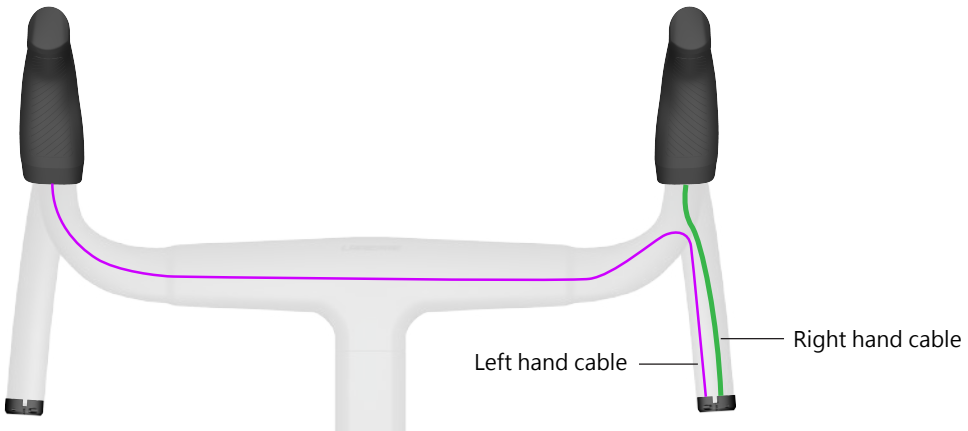


12 Install the pedal washer between the crank arm and pedal.



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

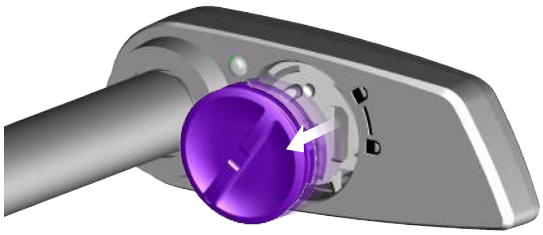
Improper installation may cause damage to the system.

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

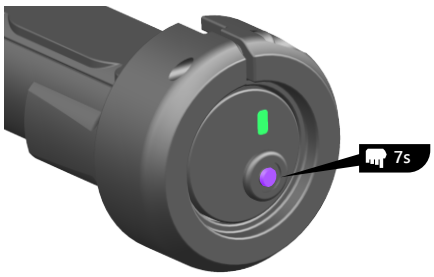
Take care to not allow water to enter the TRP Bar-end Unit.

Step. 1 Pairing with Classified Smart Thru-Axle

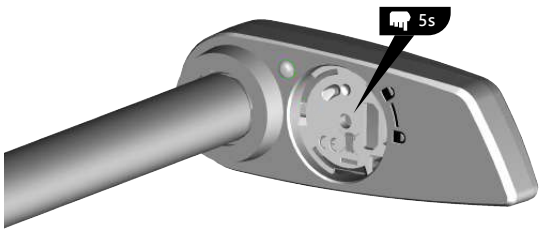
1 Remove the bayonet cap of the Classified Smart Thru Axle.



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.



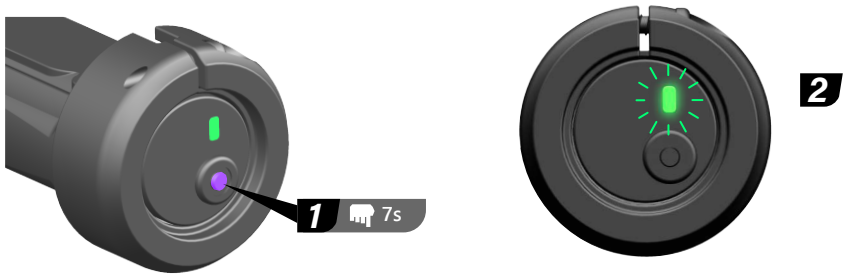
4 The system should pair automatically, indicated by a quick flashing green LED on the Bar-end Unit.

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.

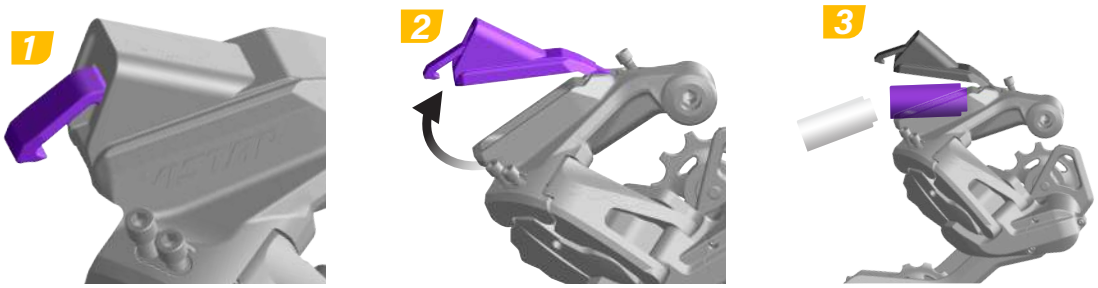
6 If pairing is unsuccessful, the Classified Smart Thru Axle may need to have its previous pairings cleared. Hold the function button for 30 seconds until the LED turns red and follow the pairing procedure again.

Step. 2 Pairing Bar-End Unit with Rear Derailleur

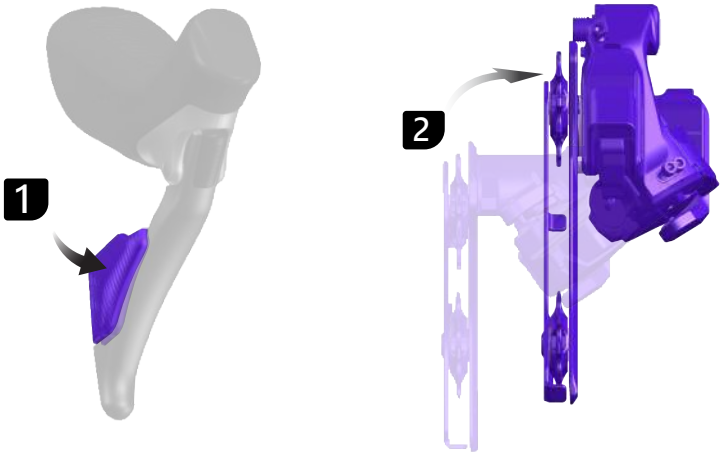
1 Press and hold the function button on the TRP Bar-end Unit for 7 seconds until the green LED begins blinking slowly.



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

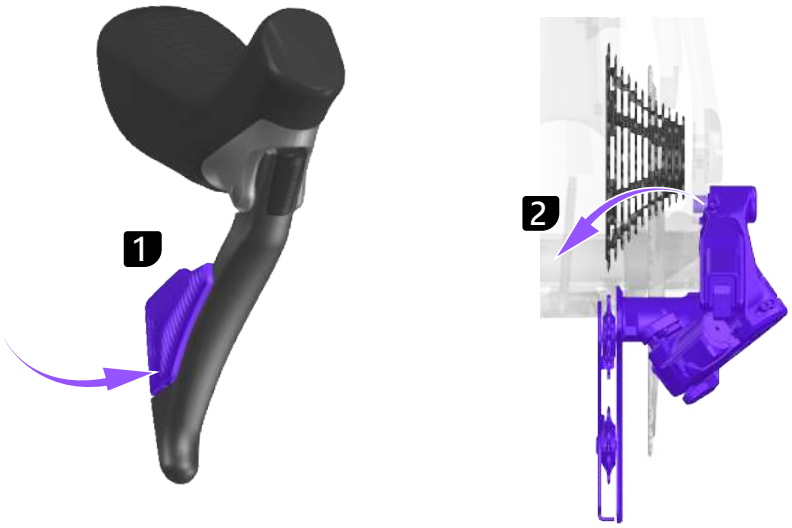
Shift Operation

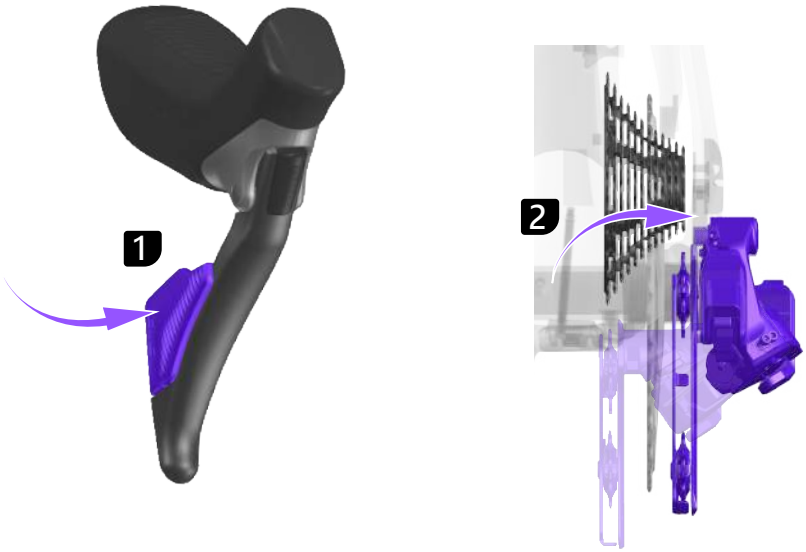
Once the whole system is fully paired, press Button 01 (R1) to move the derailleur inboard to a larger cog. Press and hold the R1 for multiple shifts.

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.

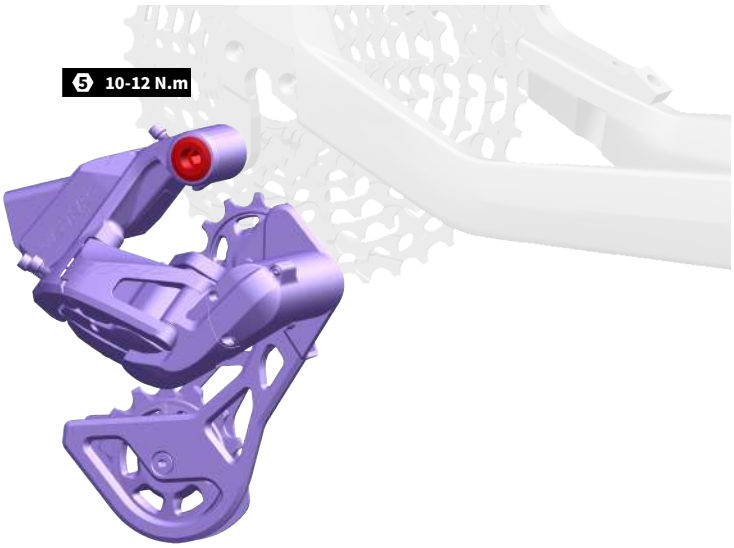
Press Button 04 (L2) to disengage the Classified PowerShift hub.



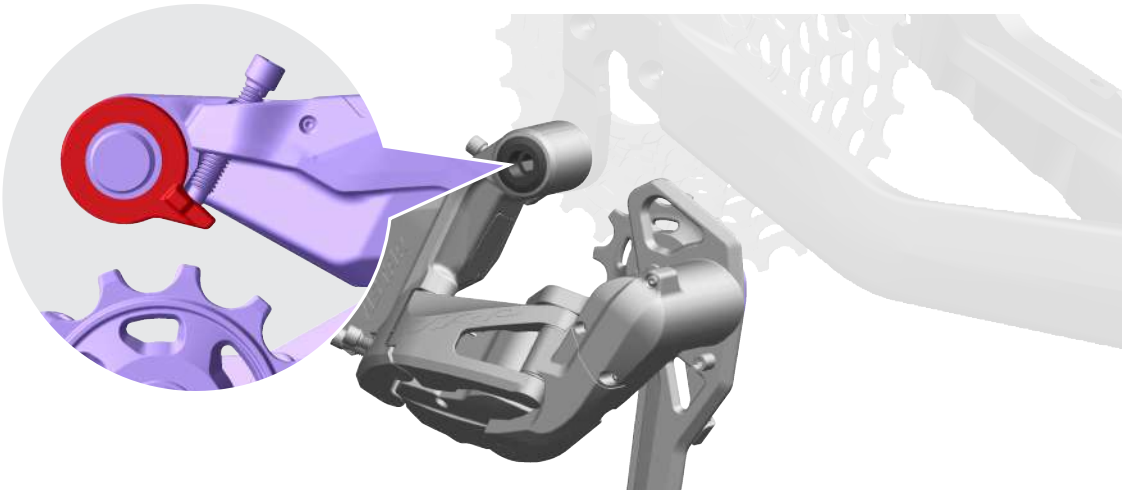


1. Ensure the derailleur hanger is straight using a hanger alignment tool.

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

Chain Sizing

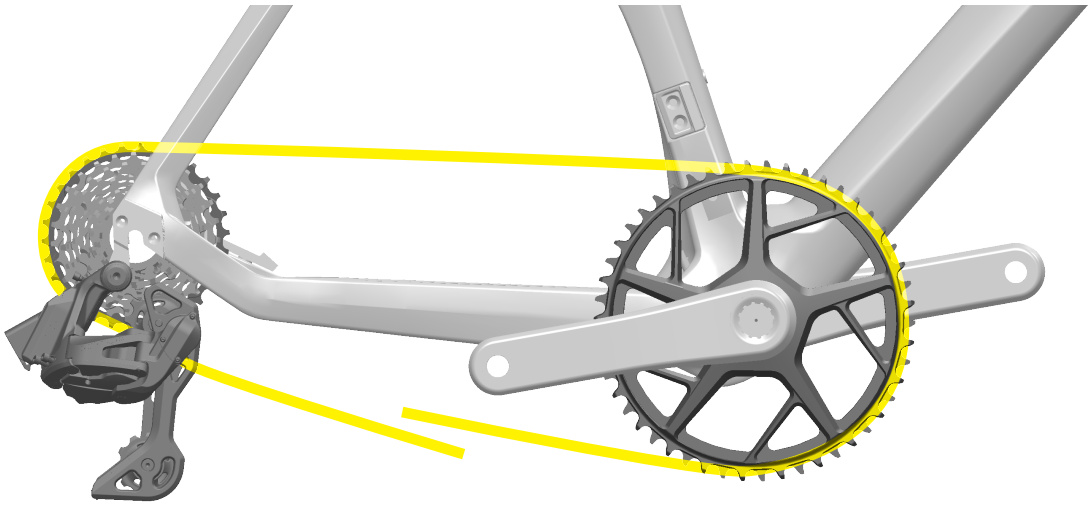
Warning

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.

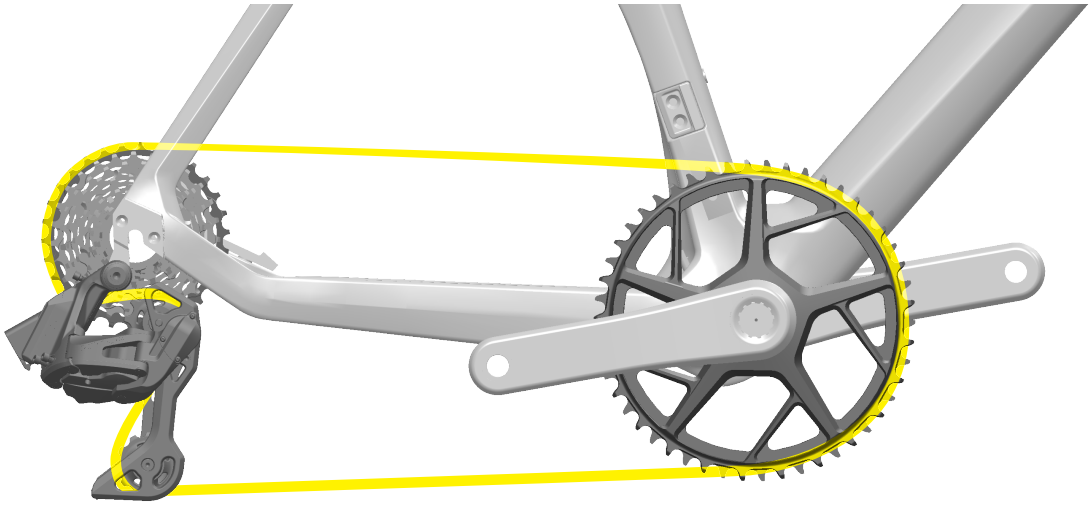
Chainring Size	Add links
50T / 52T	Add 4 links
44T / 46T / 48T	Add 4 links

Chain Installation

1. Wrap the chain around the largest cog of the cassette and chainring.
2. Note where the two ends of the chain begin to overlap.
3. Trim the chain to the correct length using the chart above.



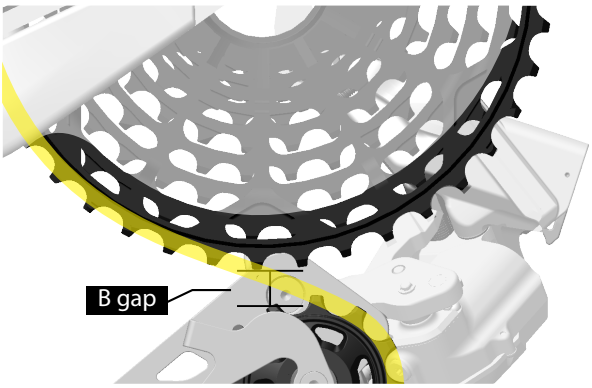
4. Route the chain through the derailleur and pull the two ends of the chain together.
5. Install the Master Link and tension both ends of the chain to ensure the link is properly connected.

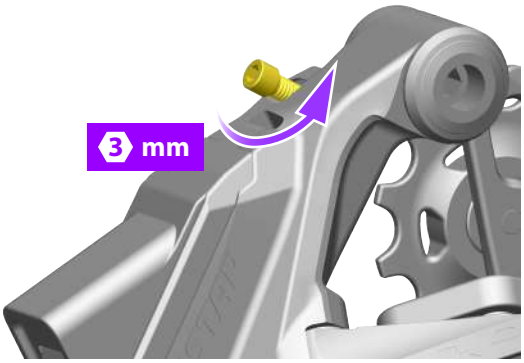


6. Ensure the chain is neither too short nor too long by shifting into the largest cog and smallest cog respectively and double-checking the chain tension.

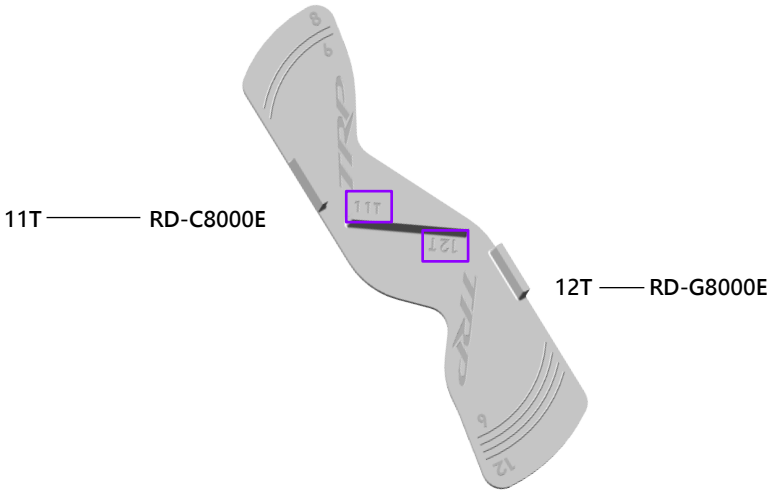
B-Tension Adjustment

1. Shift the chain onto the largest cog.
2. Rotate the B-tension screw using a 3 mm Allen wrench to decrease or increase the gap between the upper pulley and the cassette.



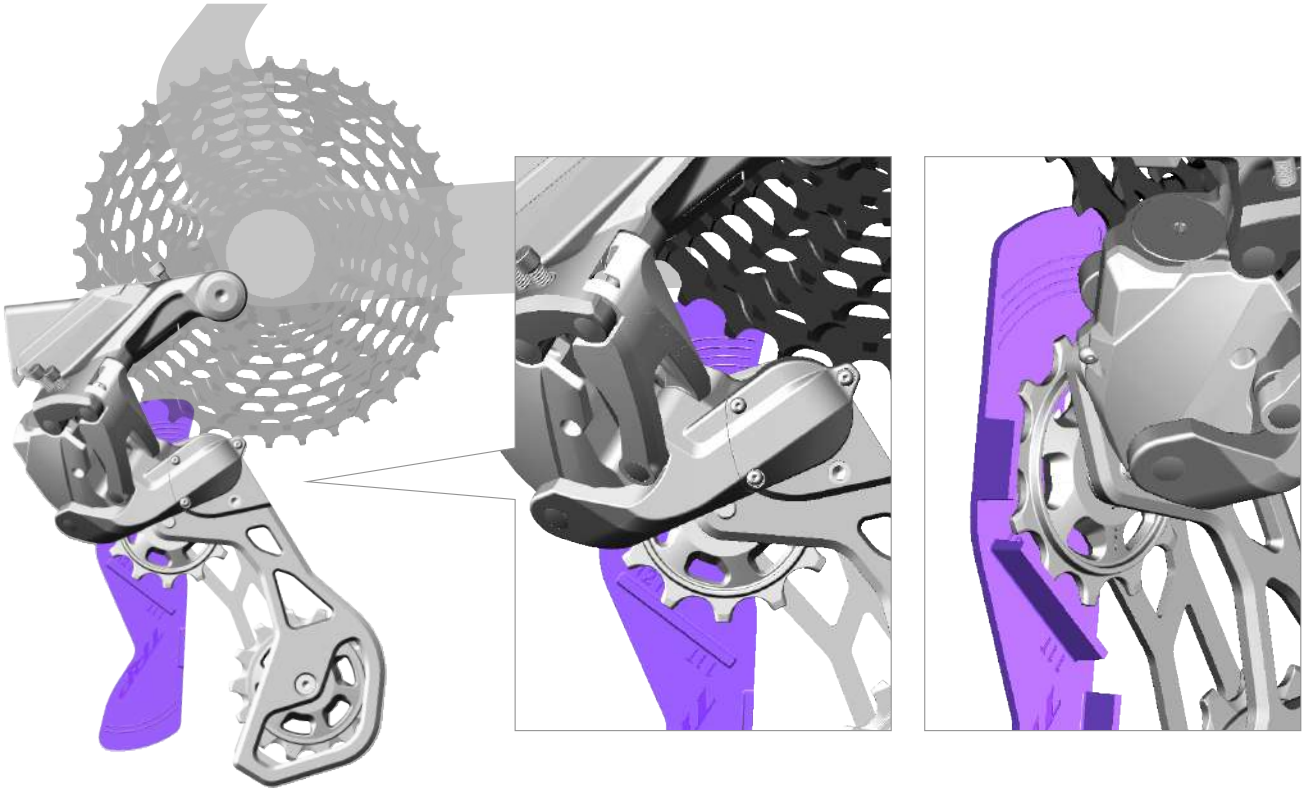


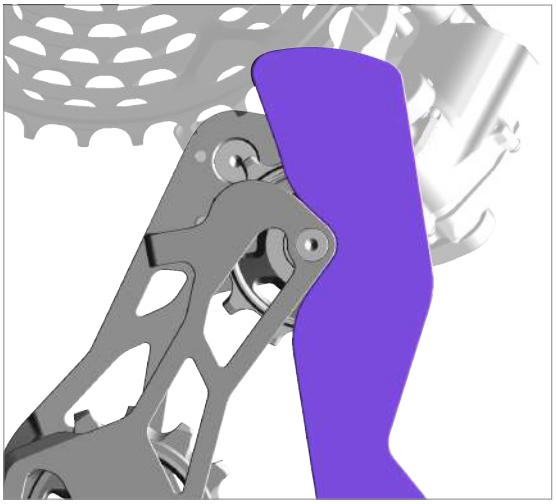
3. Measure the gap between the teeth of the upper pulley and the teeth of the largest cog on the cassette using the TRP B-gap tool.



Largest cog on the cassette	B Adjustment Clearance
28T - 34T	6 - 8 mm
36T - 40T	6 - 8 mm

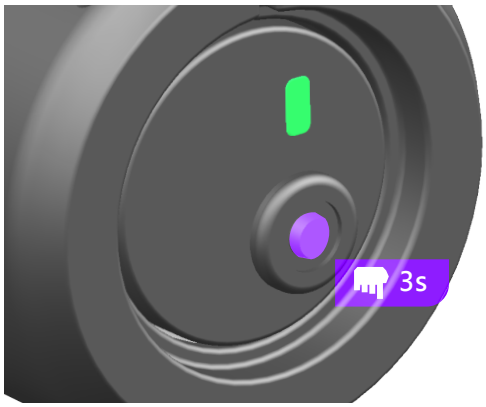
If you have a B-gap tool, place it against the upper pulley. Use the correct side of the tool to measure the B-gap.

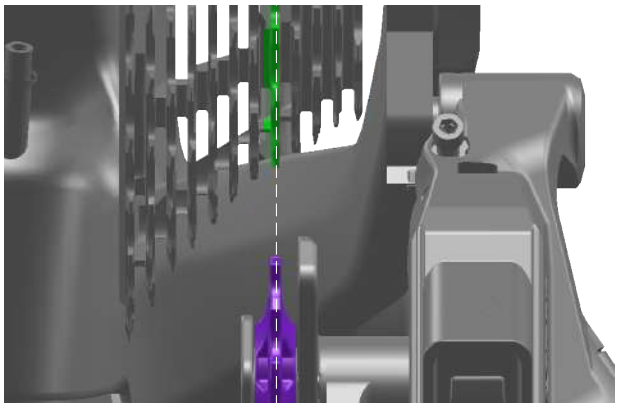




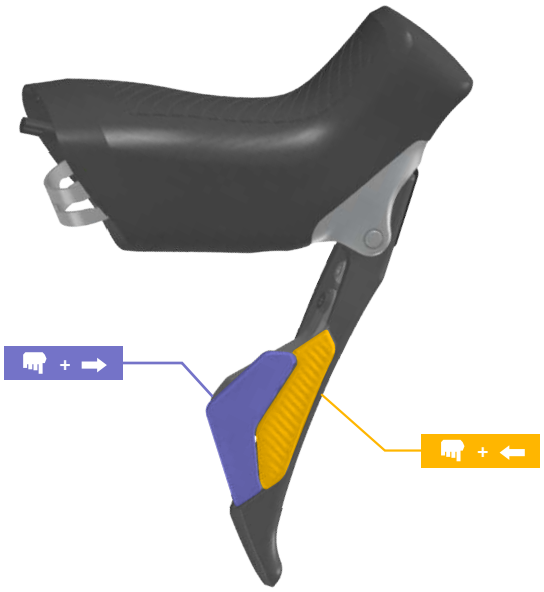
Derailleur adjustments:

1. With the chain properly installed, shift the derailleur to the 8th cog of the cassette (8th from the largest cog).
2. Align the pulley wheel with the center of the 8th cog by fine-tuning the rear derailleur.
3. Activate Fine Adjustment Mode by pressing and holding the TRP Bar-end Unit function button for 3 seconds, or use the TRP CMD App to enter Fine Adjustment Mode. Once activated, the yellow LED on the TRP Bar-end Unit will remain on until the adjustment process is complete.



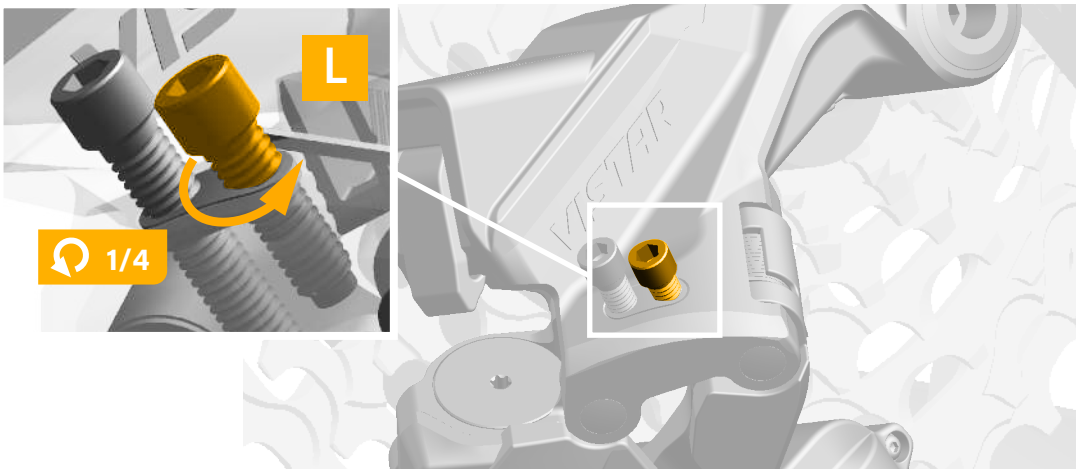


4. Press R1 to adjust the derailleur outboard as needed, and press R1 to adjust the derailleur inboard as needed.
5. TFine Adjustment Mode, press the TRP Bar-end Unit function button once.

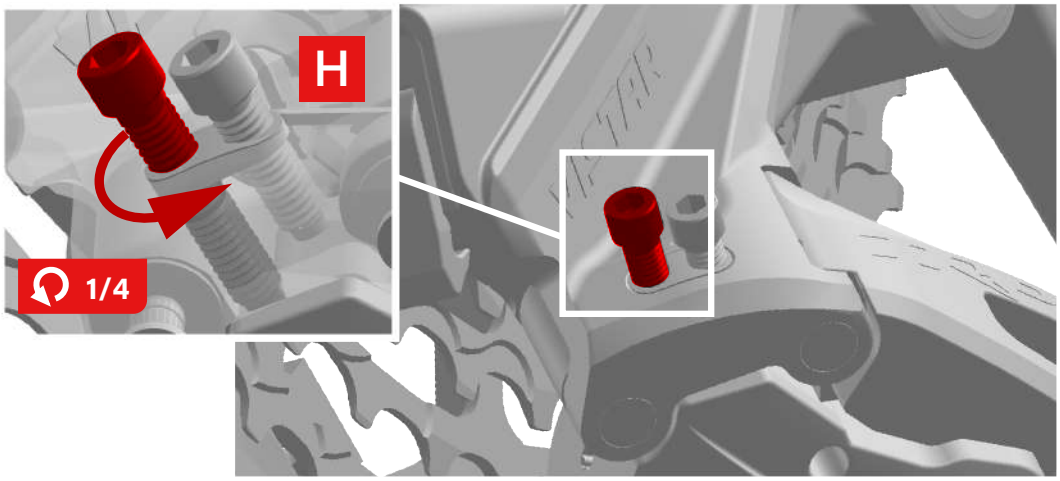


Limit screw adjustment

1. Shift the derailleur inboard to the largest cassette cog.
2. Adjust the low limit screw (L) so that it lightly contacts the outer link of the derailleur, then back the screw out by 1/4 turn.



3. Shift the derailleur outboard to the smallest cog.
4. Adjust the high limit screw (H) until it lightly touches the inner link of the derailleur, then back the screw out by 1/4 turn.



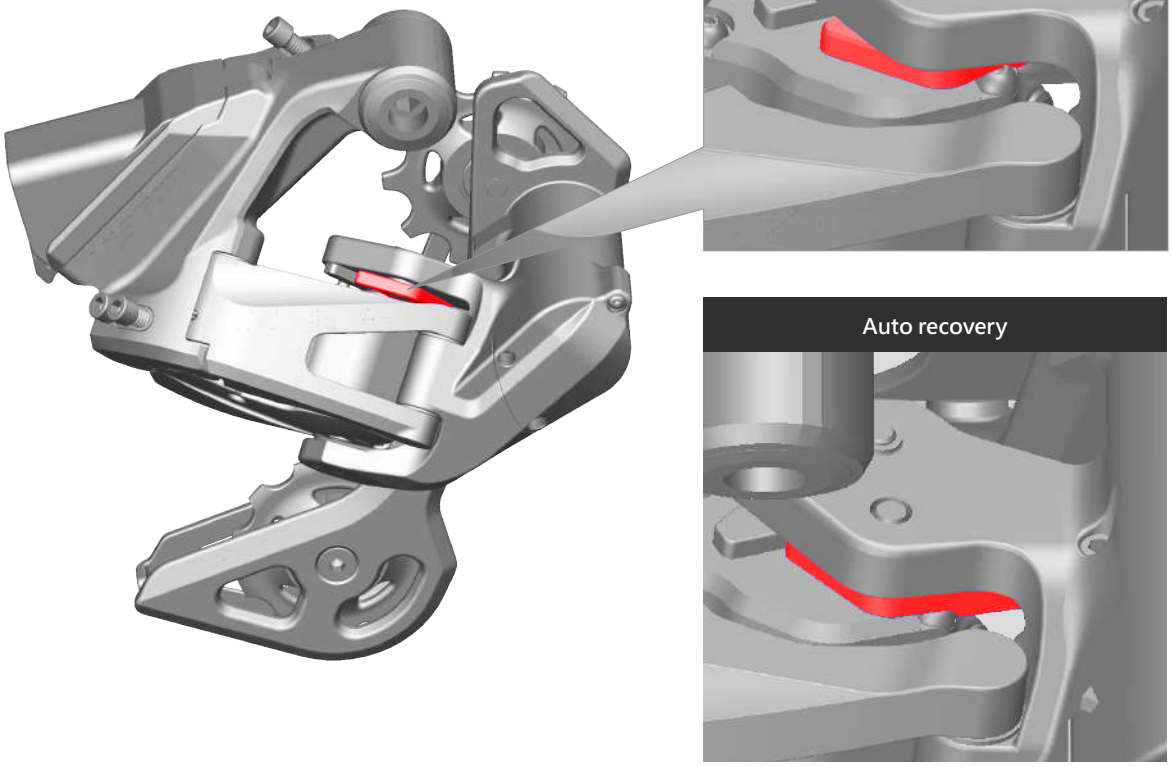
NOTE

Always adjust the upper and lower limit screws according to the instructions in the adjustment section. If these bolts are not adjusted properly, the chain may become clamped between the spokes and the largest cog of the cassette, causing the wheel to lock. Alternatively, the chain may become stuck between the cassette and frame and cause the wheel to lock.

Insert a fully charged battery into the rear derailleur battery compartment and secure it in place. After setting up the derailleur, if there is still chain noise or rough shifting, repeat the fine-tuning steps until smooth operation is achieved.

Rear Derailleur Protection Function

The rear derailleur protection function activates to protect the system when subjected to a strong impact, such as a fall. Once the impact is no longer present, the derailleur will automatically recover, and no shifting operation is required. Please inspect the bike for any other abnormalities caused by the impact.



Classified PowerShift Wheel Installation

For the installation of Classified PowerShift hub, please refer to the link below for Classified's website.

https://support.classified-cycling.cc/hc/en-us/articles/13089196992285-Full-user-manual

SW-C8000E LED Indication

- The bar-end LED light can display the system's battery levels (bar-end, rear derailleur, and Classified thru-axle).

VISTAR BEU LED indication

- BEU button

Battery level

- RD > 30%
- BEU > 20%
- CC thru-axle > 20%

- RD: 15% ~ 30%
- BEU: 10% ~ 20%
- CC thru-axle: 10% ~ 20%

- RD < 15%
- BEU < 10%
- CC thru-axle < 10%

- **The bar-end LED light indicates when the system enters different modes.**

BEU mode

- Function

Calibration mode

Press and hold for 3 seconds

Pairing mode

1. Press and hold for 7 seconds
2. Slow blinking green when in pairing mode.
3. Green LED on when done.

Reset

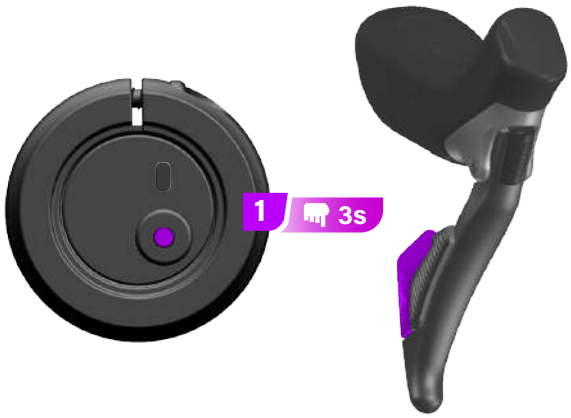
1. Press and hold for 30 seconds
2. Red LED on
3. Green LED on when done.

Transportation Mode

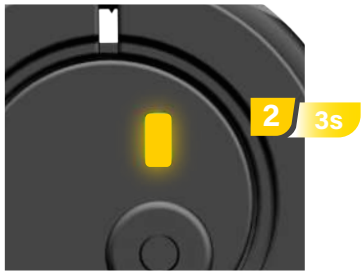
Transportation Mode is intended for short-distance transport or packaging scenarios, such as air travel or vehicle transport. When activated, the system enters a low-power state. Pairing, shifting, and micro-adjustment functions are disabled to prevent unnecessary power consumption during transit.

Enter transportation mode

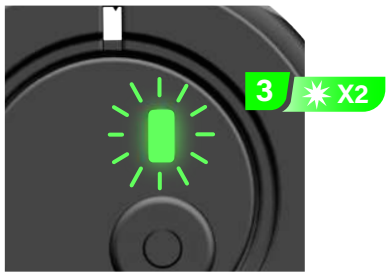
1 Press and hold BEU function button and R2 button for 3sec.



2 Yellow on 3s

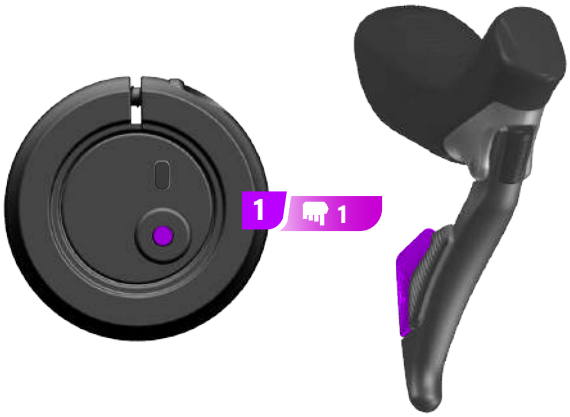


3 Green slow blink 2x



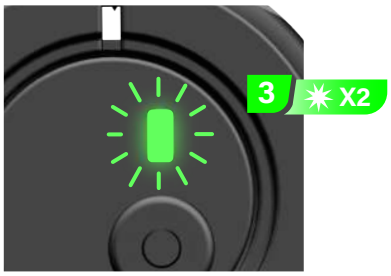
Transportation mode to normal mode (Option 1)

1 Press any buttons of brake/shift lever or BEU



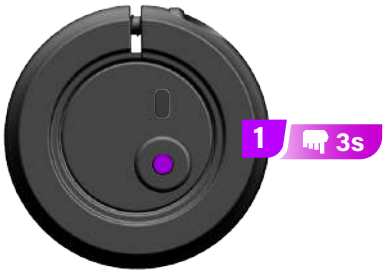
2 Yellow on 3s

3 Green slow blink 2x

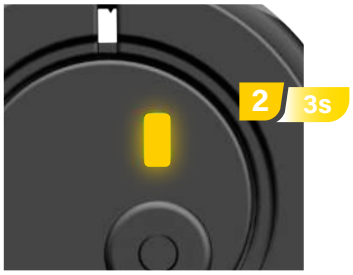


Transportation mode to normal mode (Option 2)

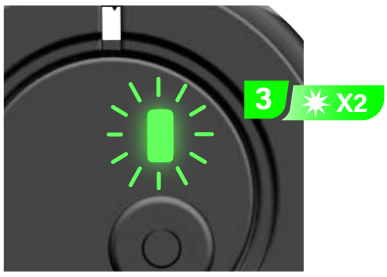
1 Press and hold BEU function button for 3 sec.



2 Yellow on 3s



3 Green slow blink 2x



TRP Bar-end Unit Batteries Replacement

Make sure the bar-end unit is clean before opening the battery latch. Use a damp cloth to wipe off any dirt and debris from the control. Clean the components with soap and water only. Rinse thoroughly with water and allow the parts to dry completely before opening.

Warning

- Consult the battery manufacturer for safe handling instructions.
- Keep the battery out of reach of children. Do not put the battery in your mouth. If ingested, seek medical attention immediately.
- Do not use sharp objects to remove batteries.
- Never dispose of batteries in a fire.

Remove the batteries

1. **With the TRP Bar-end Unit removed from the bike, use a P0 screwdriver to remove the four battery cover screws.**
2. **Remove the battery cover.**
3. **Remove the old LR44 batteries from the TRP Bar-end Unit.**
4. **Insert the new LR44 batteries into the TRP Bar-end Unit. Make sure to align the positive and negative terminals of the batteries accordingly.**
5. **Reinstall the battery cover.**
6. **Use a P0 screwdriver to reinstall the four screws into the cover. Do not overtighten the screws.**

NOTICE

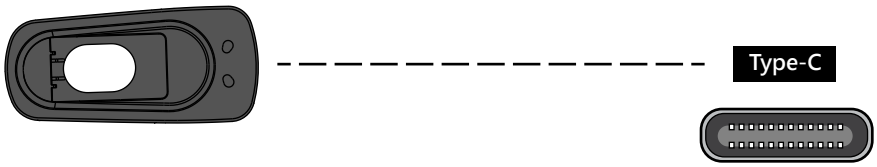
To prevent moisture damage, do not remove the battery cover O-ring.

Nominal Voltage: 1.5Vdc x 2 , 175mA

Battery type: LR44

TRP Battery Charger (EC-E7000)

Connect the small end of the USB cable into the USB Type-C port of the TRP battery charger.



- **Insert the battery(C1700001,7.4V / 300mAh) into the TRP charger case.**
- **Make sure the battery tab is seated first. The charger LED will illuminate once plug with power.**
- **The battery will take roughly one hour to reach a full charge when using recommended USB cable and adapter (Input : 100-240Vac, 50/60Hz, 2A ; Output: 5Vdc, 1A).**
- **Charge times may vary based on USB power source.**
- **Use a USB power source or an adapter power source, ensuring that the specifications comply with LPS (Limited Power Source) requirements.**

NOTICE

Hands and gloves must be clean before handling the TRP battery. Contact with sunscreen or hydrocarbon cleaners may cause the battery to crack.

For best charging performance, use a USB 3.0 or later charging port. Connecting to a charging port that precedes USB 3.0 could result in longer charging times.

A USB cable is not included with the battery and charger, please purchase a verified USB cable and adapter. Or contact Tektro/TRP for more support.

Do not use improper or unauthorized batteries. Using incorrect batteries may result in explosion, fire, electric shock, or other hazards. Always follow the manufacturer's instructions and use only compatible batteries.

Input Voltage: DC 5Vdc 1A

Output Voltage: DC 8.4Vdc 0.45mA

Operating temperature: -10 °C to 40 °C, humidity from 0% to 100%

TRP Charger LED Indicator Status

Amber	Green
Flash	On

Status
Charger is ready (w/o battery)

Amber	Green
On	On

Status
Battery is charging

Amber	Green
off	On

Status
Charging complete

We recommend that you periodically clean your electrical components. Use a damp cloth to wipe off any dirt and debris. Clean the components with soap and water only. Rinse thoroughly with water and allow the parts to dry, then lubricate the chain.

Keep the battery clean and dry. Use a dry cloth to gently clean the battery terminals. Store the battery at room temperature and away from excessive heat or cold.

NOTICE

- Do not clean the components with a power washer.
- Do not use acidic or grease-dissolving agents on your electrical components.
- Do not soak or store your electrical components in any cleaning product or liquid. Chemical cleaners and solvents can damage plastic components.

- **Storage conditions:**

  Temperature from -20 °C to 70 °C, humidity from 10% to 85%

- **Operating conditions:**

  Temperature from -10 °C to 40 °C, humidity from 0% to 100%

- **Service life:**

  2 years

NOTICE

Check the battery level of each component before and after each use.

NOTICE

The components can withstand wet weather riding conditions; however, do not deliberately place them into water. Do not clean the bicycle in a high-pressure wash. If water gets into any of the components, operating problems or rusting may result.

- Handle the components carefully, and avoid subjecting them to strong shock.
- Do not use the thinners or harsh solvents to clean the products. Such solvents may damage the surface. When cleaning the products, use a cloth moistened with a neutral detergent diluted with water.
- If gear shifting operations do not feel smooth, wash the shifting unit and lubricate all moving parts.
- If the chain keeps skipping during use, replace the gears and chain at the place of purchase.
- If you hear abnormal noise as a result of excess play in a pulley while riding, you should replace the pulley at the place of purchase.
- The gears should be periodically washed with a neutral detergent. In addition, cleaning the chain with neutral detergent and lubricating it can be an effective way of extending the life of the gears and the chain.
- Contact the place of purchase for updates of the component software. The most up-to-date information is available on TRP app.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- Be sure to rotate the crank when carrying out switch operations which are related to gear shifting.
- If the amount of looseness in the links is so great that adjustment is not possible, you should replace the derailleur.

Storage and Transportation

Warning

- Do not disassemble or modify the product. This may cause the product to not operate correctly, and you may suddenly fall and be seriously injured.
- Never use alkali- or acid-based solvents such as rust cleaners. If those solvents are used, the chain might break and cause serious injury.
- Clean the chain with an appropriate chain cleaner regularly. Intervals between maintenance depend on the use and riding circumstances.
- Check the chain for any damage (deformation or cracking), skipping, or other abnormalities such as unintended gear shifting. If any problems are found, consult your place of purchase or a distributor. The chain may break, and you may fall.

This symbol on your product, literature, or packaging reminds you that this product must be taken to separate collection at the end of its working life. Do not dispose of this product as unsorted municipal waste, but instead take it for recycling. By ensuring the product is disposed correctly, you will help to prevent potential negative consequences for the environment and human health. For info on your nearest recycling point, check with your local waste authority

NCC warning

Low-power radio frequency devices that have obtained certification must not change frequency, increase power, or alter the original design's characteristics and functions without approval. The use of such devices must not affect aviation safety or interfere with legal communications; if interference is discovered, the device must be immediately discontinued and can only be used again once the interference has been resolved. The aforementioned legal communications refer to wireless telecommunications operated in accordance with telecommunication regulations. Low-power radio frequency devices must tolerate any interference from legal communications or from industrial, scientific, and medical equipment that emits radio frequency radiation.

FCC warning

Federal Communications Commission (FCC) Statement

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference received, including interference that may cause undesired operation

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2.For portable operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.

FCC warning

Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).
Operation is subject to the following two conditions:

1. This device may not cause interference, and

2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et

2. l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution: Exposure to Radio Frequency Radiation

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

2. For portable operation, this device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal. Use of other accessories may not ensure compliance with RF exposure guidelines.

Attention: exposition au rayonnement radiofréquence

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

2. Pour portable utilisation, cet appareil a été testé et respecte les directives sur l'exposition aux RF lorsqu'il est utilisé avec un accessoire sans métal. L'utilisation d'autres accessoires peut ne pas garantir la conformité aux directives d'exposition aux RF.

Coin battery

1. This equipment is not suitable for use in locations where children are likely to be present.
2. Before installing the battery, make sure to assemble the product to prevent any accidental dangers.Risk of fire or explosion if the battery is replaced by an incorrect type.
3. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
4. Even used batteries may cause severe injury or death.
5. Call a local poison control center for treatment information.
6. Non-rechargeable batteries are not to be recharged.
7. Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
8. Ensure the batteries are installed correctly according to polarity (+ and -).
9. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
10. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
11. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.