TREK



2026 CHECKPOINT+ SL

SERVICE MANUAL

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About this manual

Scope

This manual contains parts diagrams, specifications (such as grease and torque values), instructions, part numbers, and helpful tips. It does not contain instructions for all components (such as brake calipers). Refer to the original manufacturer for more information.

Replacement parts

Trek recommends using only Trek OEM (original manufacturer) replacement parts.

Additional info

Additional manuals are available at Trekbikes.com/manuals.

- Owner's Manual — comprehensive instructions that come with your bicycle

TQ Systems E-bike Owner's Manual — detailed instructions on the e-system found under Electric bike manuals > 2026

Further instructions are also available at TQ-group.com.

Inspect the bike

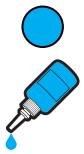
Please inspect the bicycle carefully after removal from the box and all packaging:

- Inspect all surfaces of the bicycle for damage, pay special attention to the fork legs and the seat stays (both inside and outside surfaces).
- If packaging damage is located near the front of the bicycle, remove the fork from the frame and inspect the steerer tube for damage.

Legend


Cable (zip) tie

Nm Torque value


Apply appropriate threadlocker


Apply Bontrager grease

Safety

WARNING

Before performing any work on an e-bike, completely power off the e-system.

An active e-system may start unexpectedly and cause injury.

WARNING

Properly tighten hardware

Always tighten hardware to the specified torque. Over-tightening hardware could deform or break the hardware or components. Under-tightening or over-tightening hardware could cause hardware or components to become loose. Either situation could damage the bicycle and result in injury to the rider.

WARNING

Reapply threadlocker

All reused-fasteners with pre-applied threadlocker must be cleaned with isopropyl alcohol and have new threadlocker applied before re-assembly. If threadlocker is not applied, the fasteners may loosen which could damage the bicycle and result in injury to the rider.

IMPORTANT: All repairs, assembly, servicing and maintenance must be performed only by TQ-authorized bicycle dealers.

We value your feedback

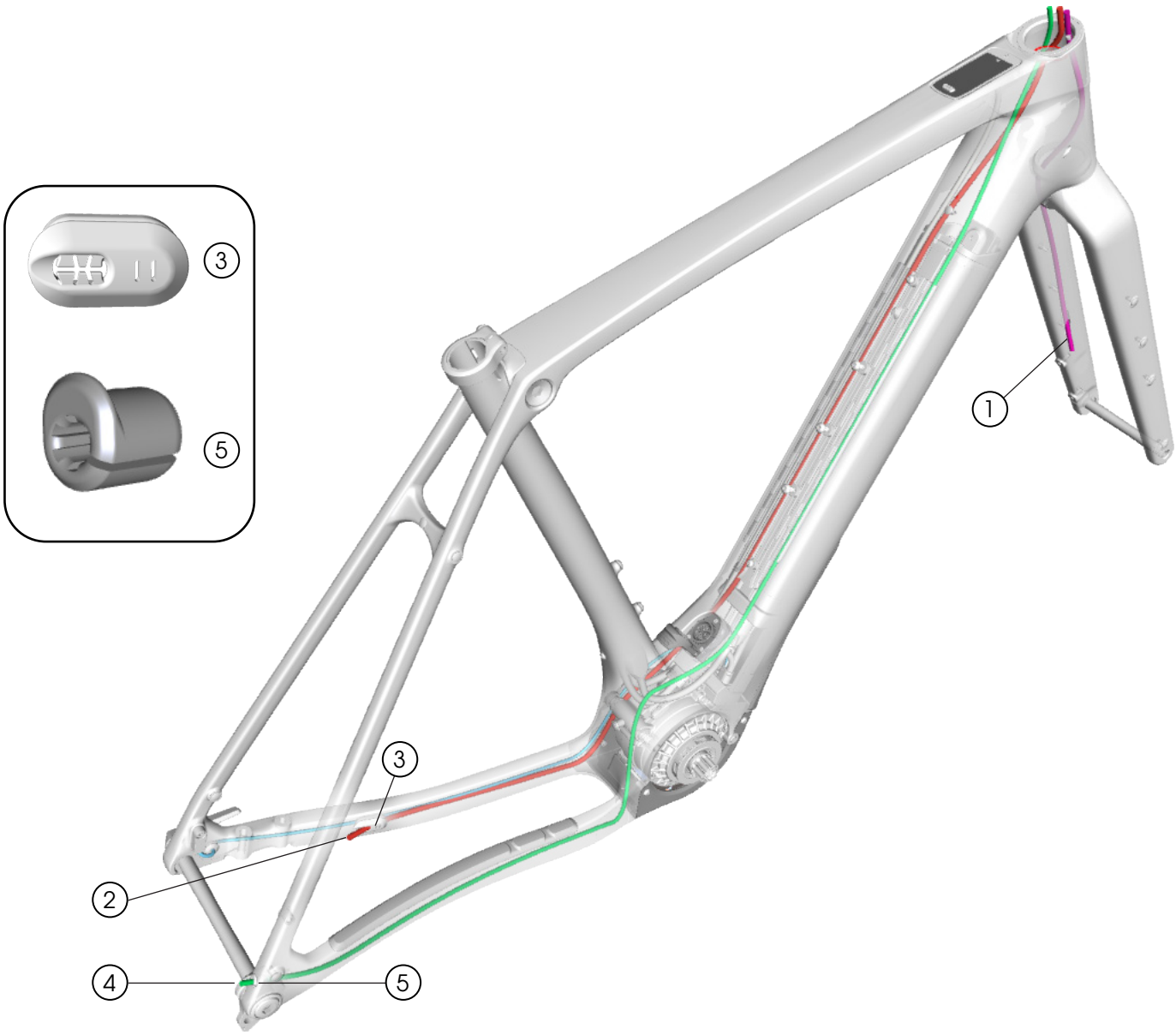
We hope you find our service manual useful. To help us improve, please take a brief survey about your experience. We periodically update our manuals and your input ensures we provide the highest quality user experience.



For product help or inquiries:

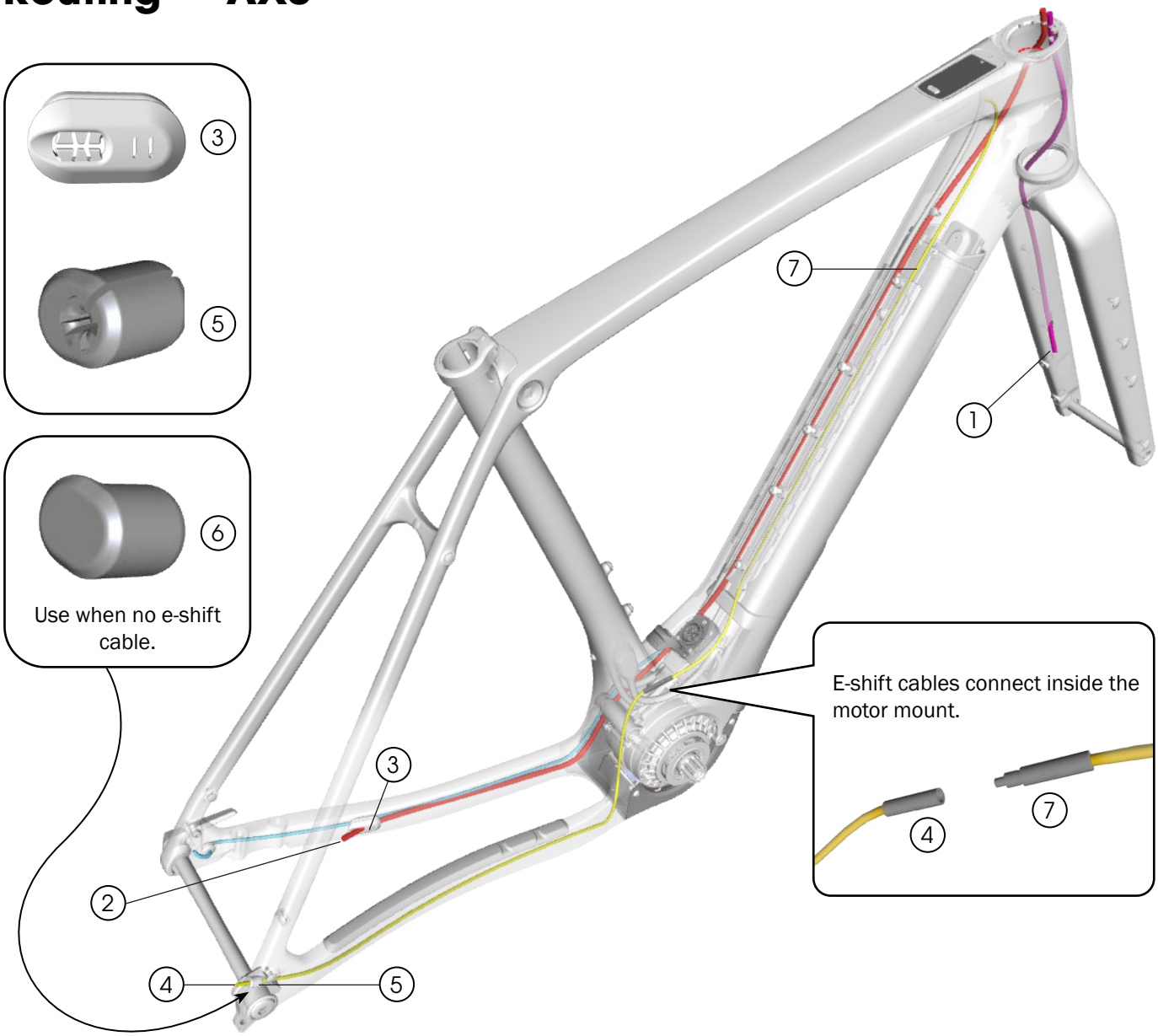
Please visit trekbikes.com/contactus or call Customer Care.

Routing — mechanical



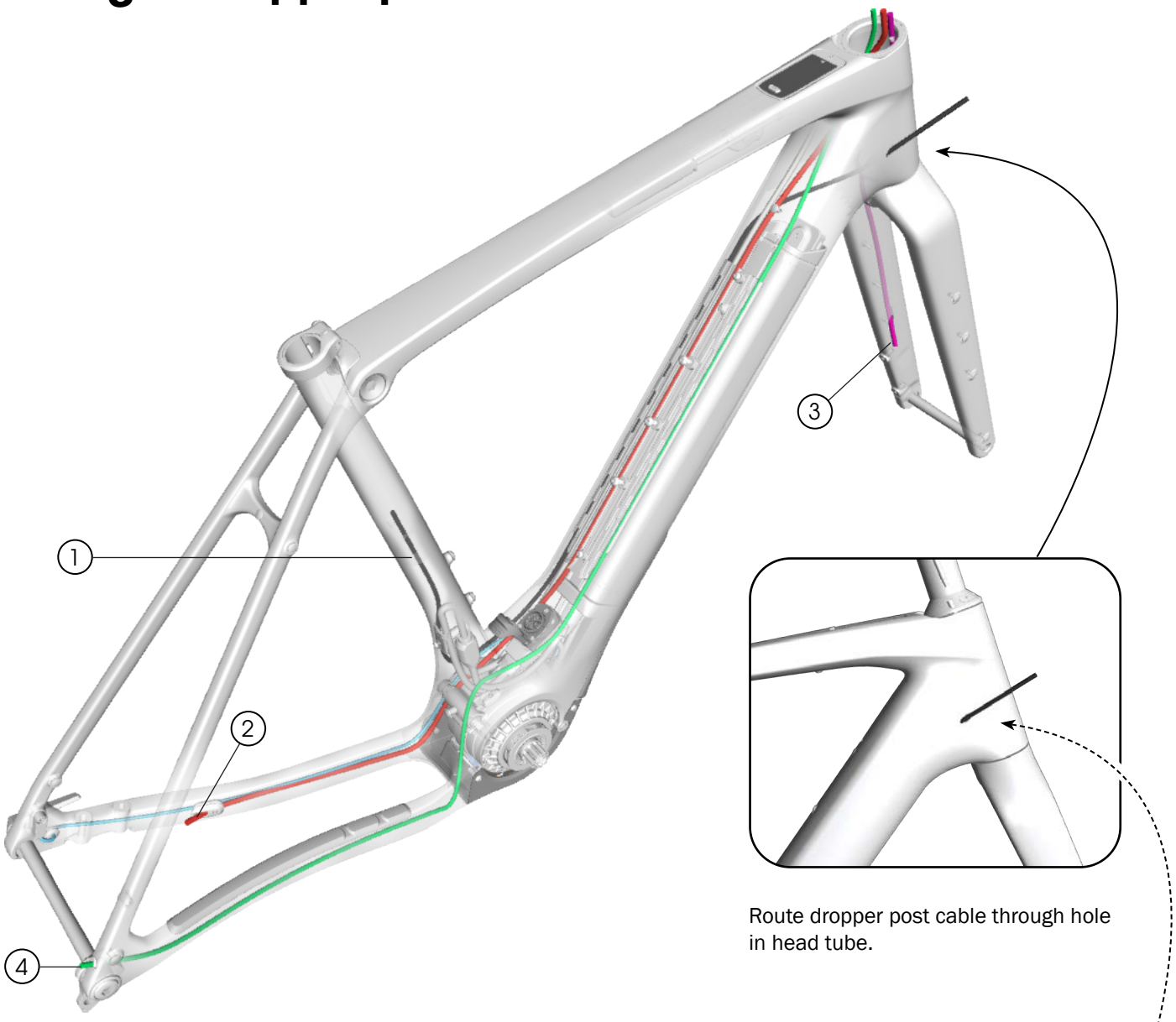
1. Front brake hose
2. Rear brake hose
3. Housing grommet — *W330578*
4. Rear derailleur cable
5. Cable exit grommet — *W329119*

Routing — AXS



1. Front brake hose
2. Rear brake hose
3. Housing grommet — *W330578*
4. AXS cable (880 mm) — *W5312654*
5. Cable exit grommet — *W317292*
6. Hole plug — *W547906*
7. E-shift cable — *W5312855*

Routing — dropper post



Route dropper post cable through hole in head tube.

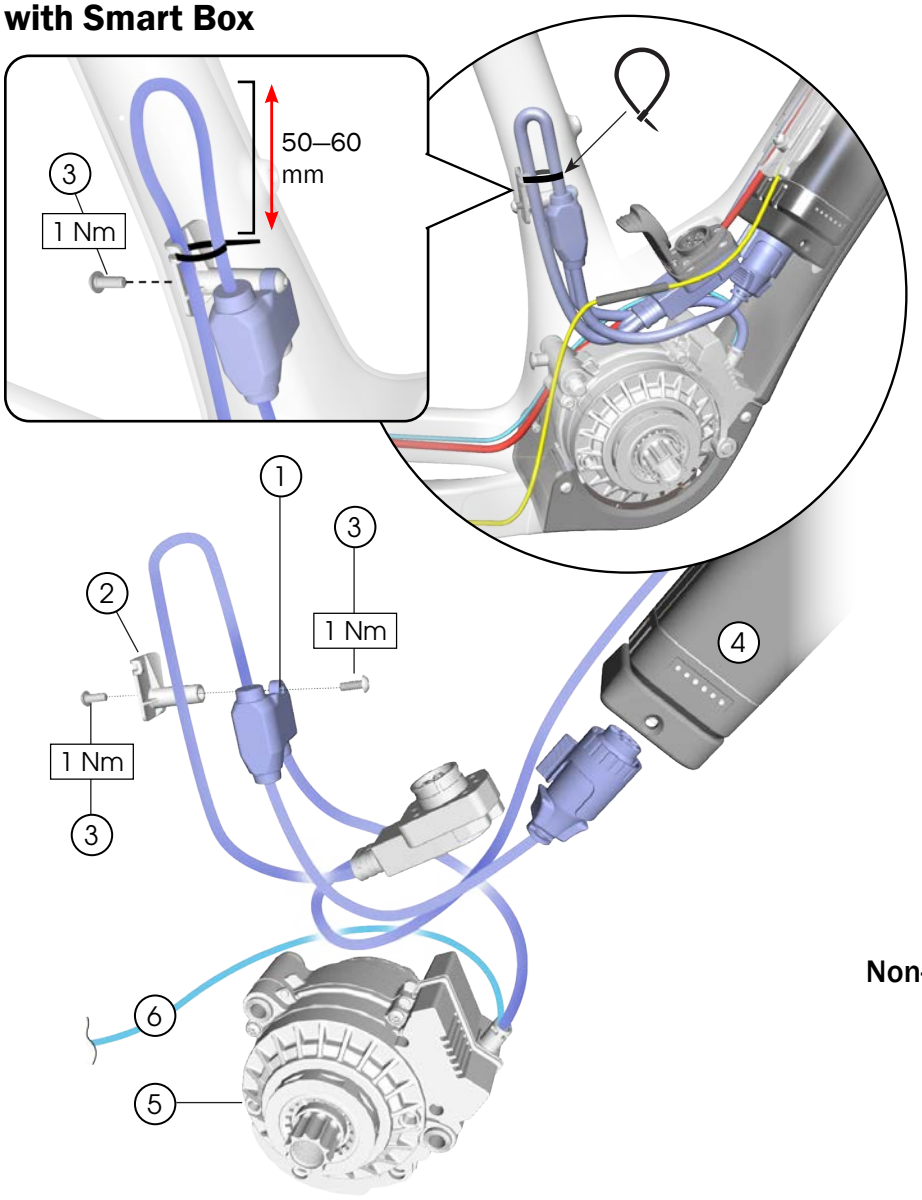


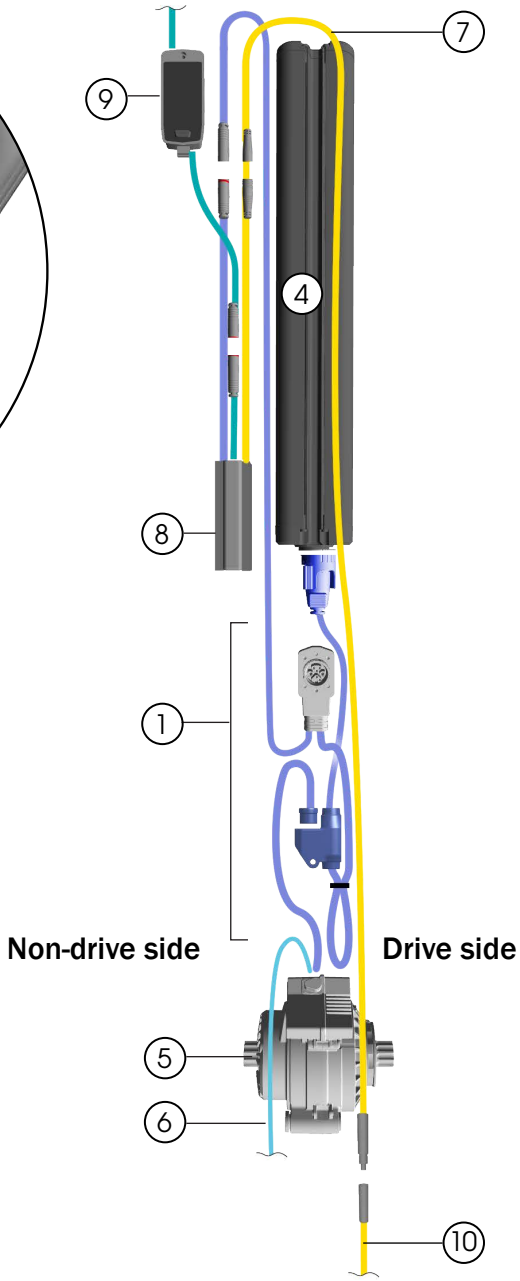
Use when there is no seatpost dropper cable housing.

1. Dropper post cable
2. Rear brake hose
3. Front brake hose
4. Rear derailleur cable
5. Cable housing plug — *W600649*

Motor wiring — e-shift

with Smart Box

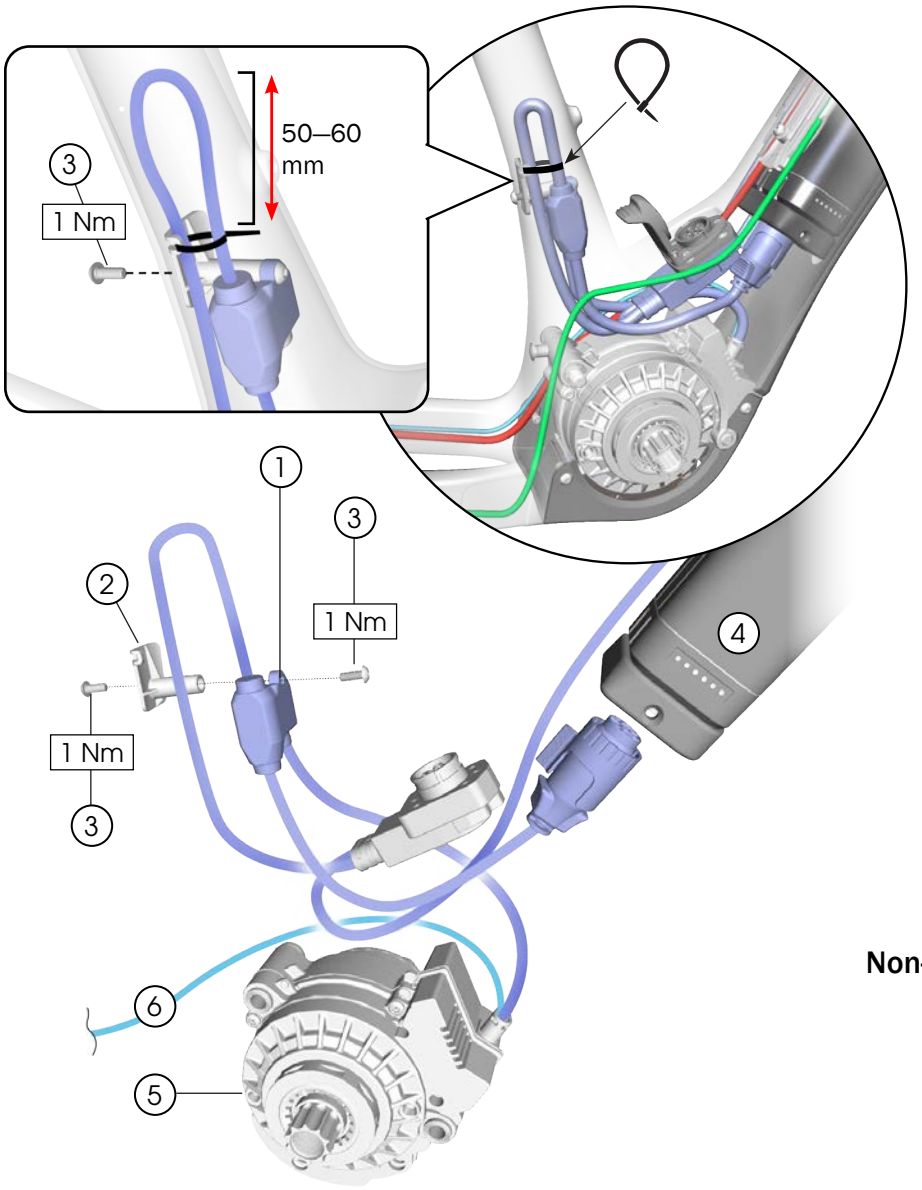


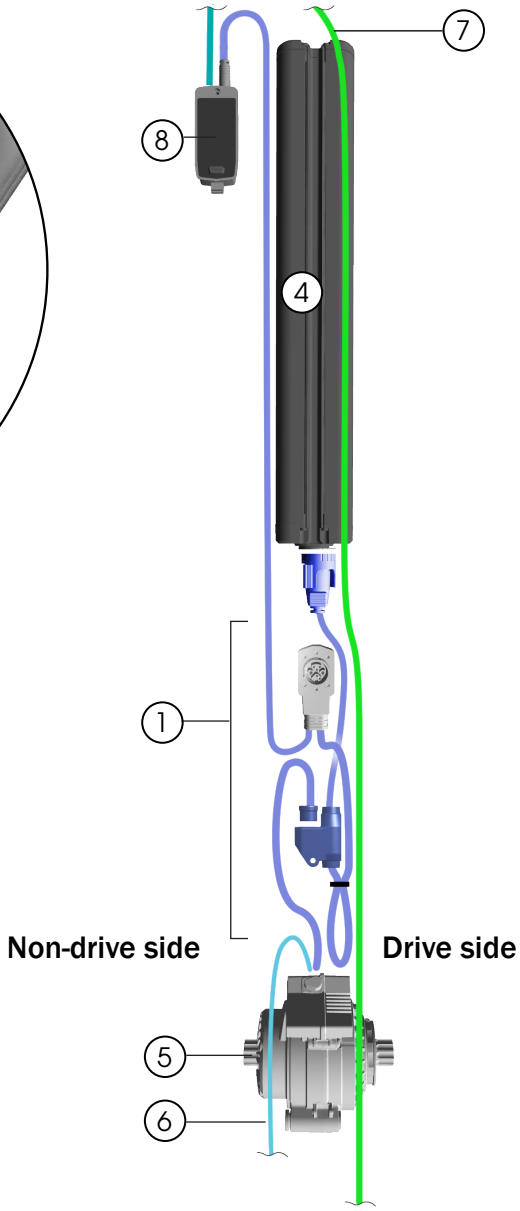


1. Wiring harness — *W5320676*
2. Cable wrangler — *W5328274*
3. Fasteners (M4 x 10 mm) — *W1052364* 2.5
4. Battery, 360 Wh — *5289554*
5. Drive unit (HPR60) — *5343943*
6. Cable to speed sensor
7. E-shift cable — *W5312855*
8. TQ Smart Box* — *5289564*
9. TQ display
   - for SL 5 or SL 6 — *5289562*
   - for SL 7 — *5343942*
10. AXS cable (880 mm) — *W5312654*

*Smart Box is needed for electrical shifting only.

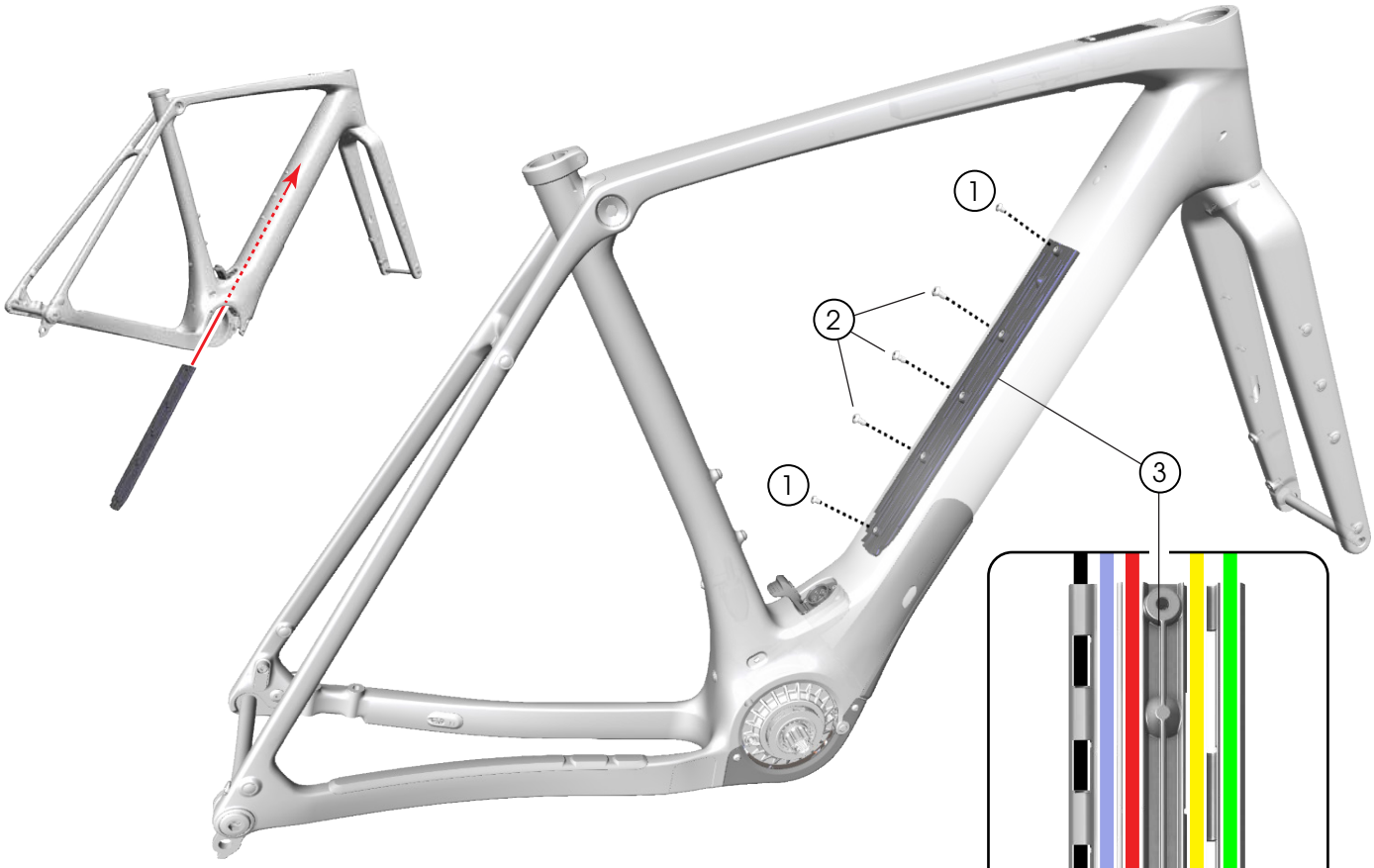
Motor wiring — mechanical shifting

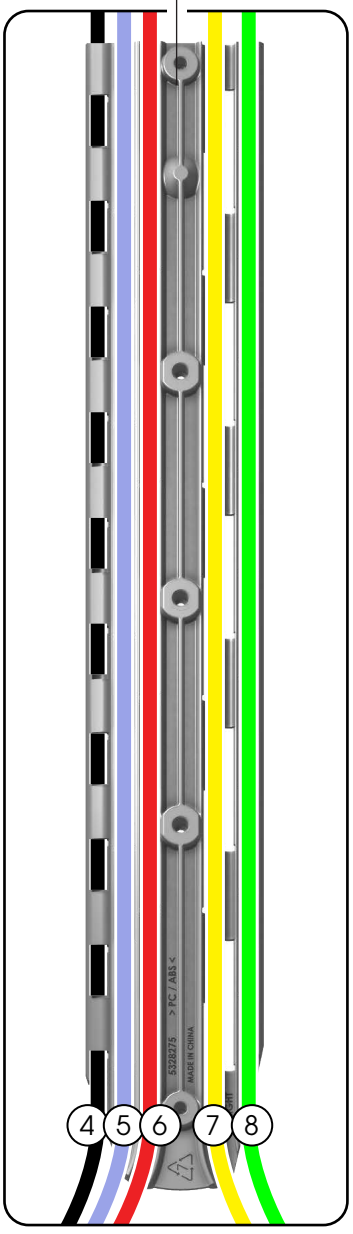




1. Wiring harness — *W5320676*
2. Cable wrangler — *W5328274*
3. Fasteners (M4 x 10 mm) — *W1052364* 2.5
4. Battery, 360 Wh — *5289554*
5. Drive unit (HPR60) — *5343943*
6. Cable to speed sensor
7. Rear derailleur cable
8. TQ display
   - for SL 5 or SL 6 — *5289562*
   - for SL 7 — *5343942*

Cable tray



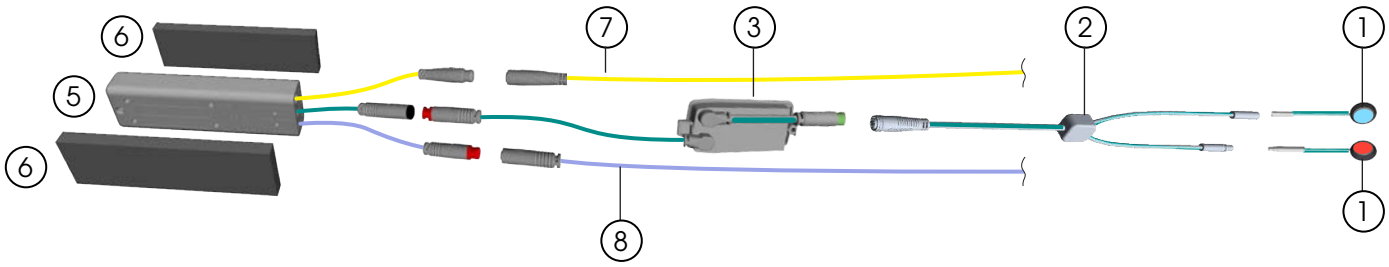


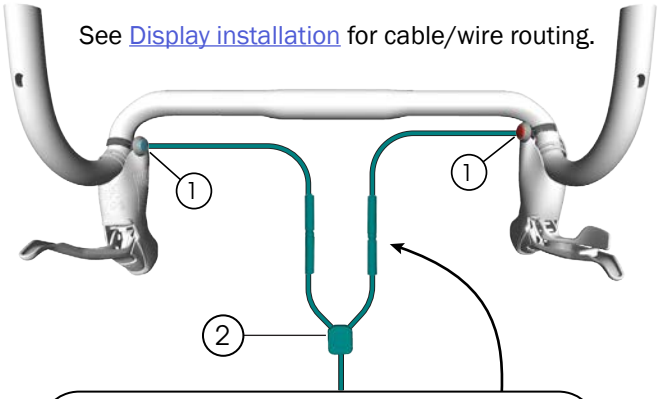
1. Fasteners (M4 x 6 mm) — *W575056*  25
2. Fasteners (M5 x 10 mm) — *5332051*  3
3. Cable tray — *W5328275*
4. Dropper post cable (if used)
5. Wiring harness — *W5320676*
6. Rear brake hose
7. E-shift cable — *W5312855*

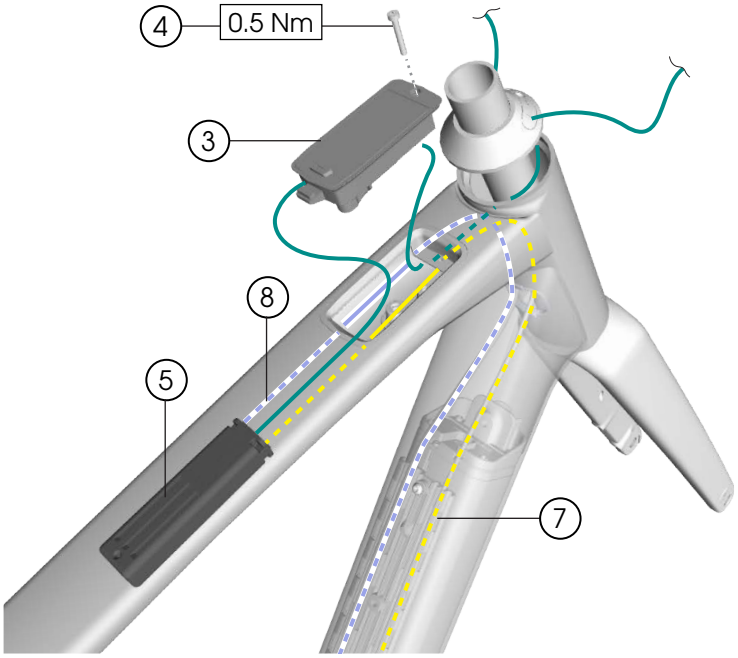
   or
8. Rear derailleur cable

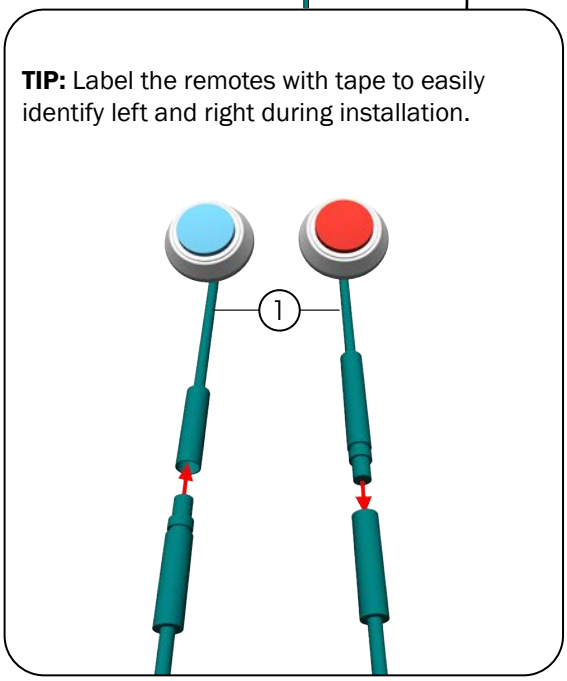
Remote, display, and Smart Box: e-shift

Smart Box required for e-shift





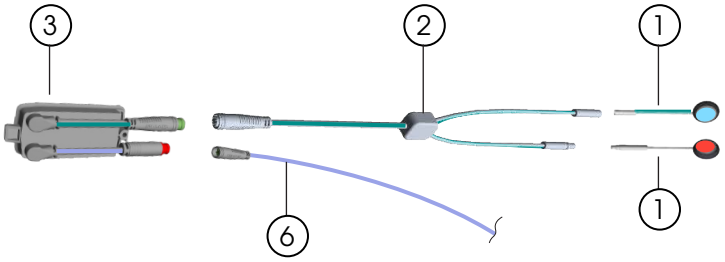


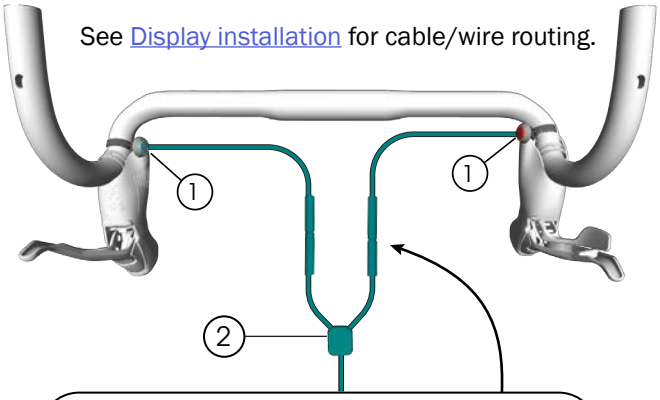


1. Remote assist buttons — *W5315683*
2. Cable y-splitter — *W5286202*
3. TQ Display
   - for SL 5 or SL 6 — *5289562*
   - for SL 7 — *5343942*
4. Fastener (M3 x 20 mm) — *W5280750* 
5. Smart Box — *5289564*
6. Foam blocks — *5305634*
7. TQ e-shift cable — *W5312855*
8. Wiring harness

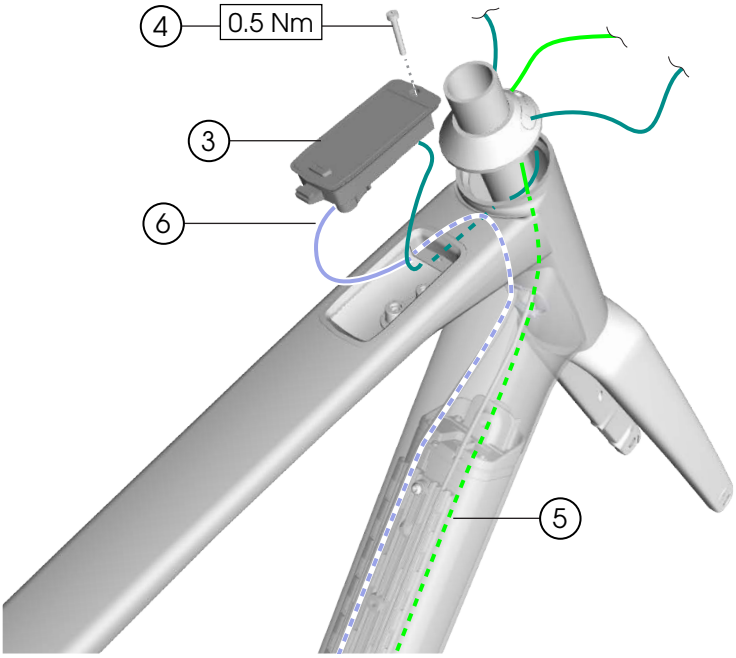
Remote and display: mechanical

Smart Box not required for mechanical shifting

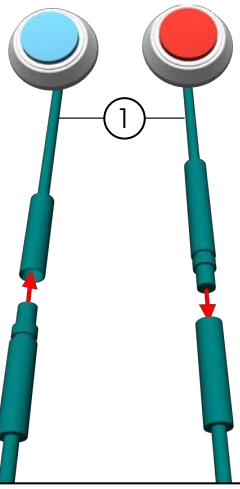




See Display installation for cable/wire routing.



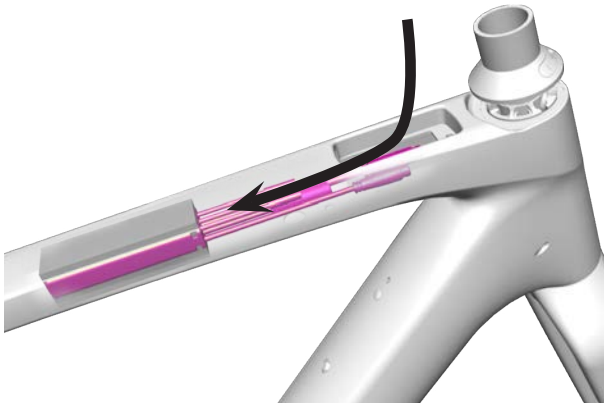
TIP: Label the remotes with tape to easily identify left and right during installation.



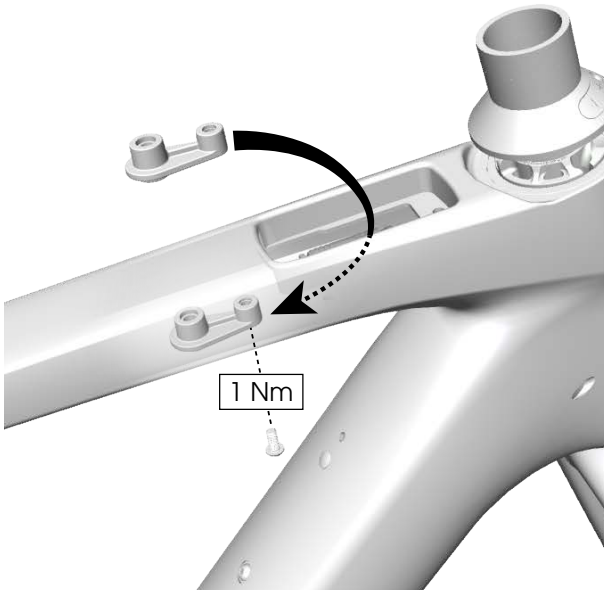
1. Remote assist buttons — *W5315683*
2. Cable y-splitter — *W5286202*
3. TQ Display
   - for SL 5 or SL 6 — *5289562*
   - for SL 7 — *5343942*
4. Fastener (M3 x 20 mm) — *W5280750* T10
5. Rear derailleur cable
6. Wiring harness

Display installation

1. For e-shift build only: Connect plugs to Smart Box. Insert the Smart Box with foam.
TIP: Push the Smart Box as far as possible into the top tube for better wire clearance.

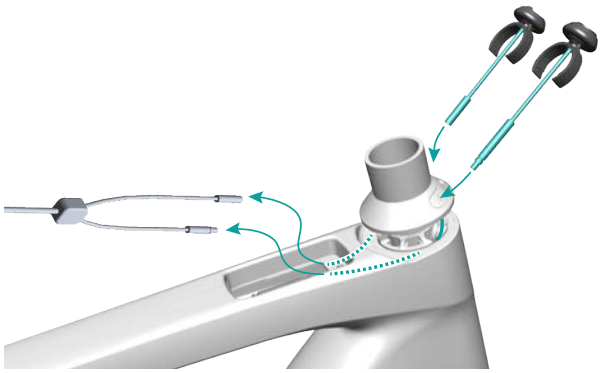


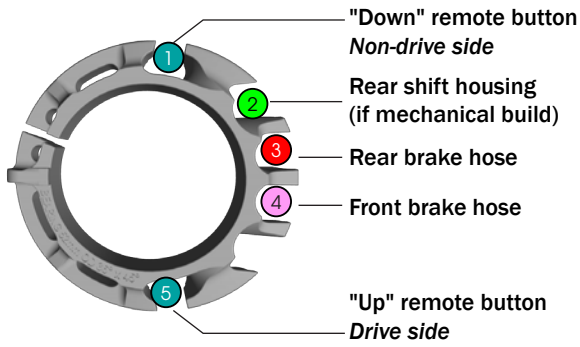
2.



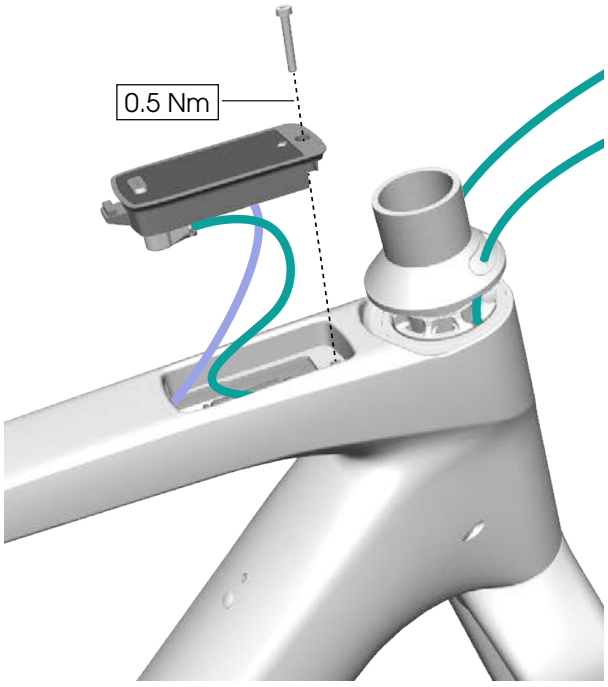
NOTE: The top tube bag mount is not compatible with XS or S frames. See Frame mounts and guards.

3. Insert the remote buttons through the head set split ring. Connect them to the y-splitter cable inside the top tube.

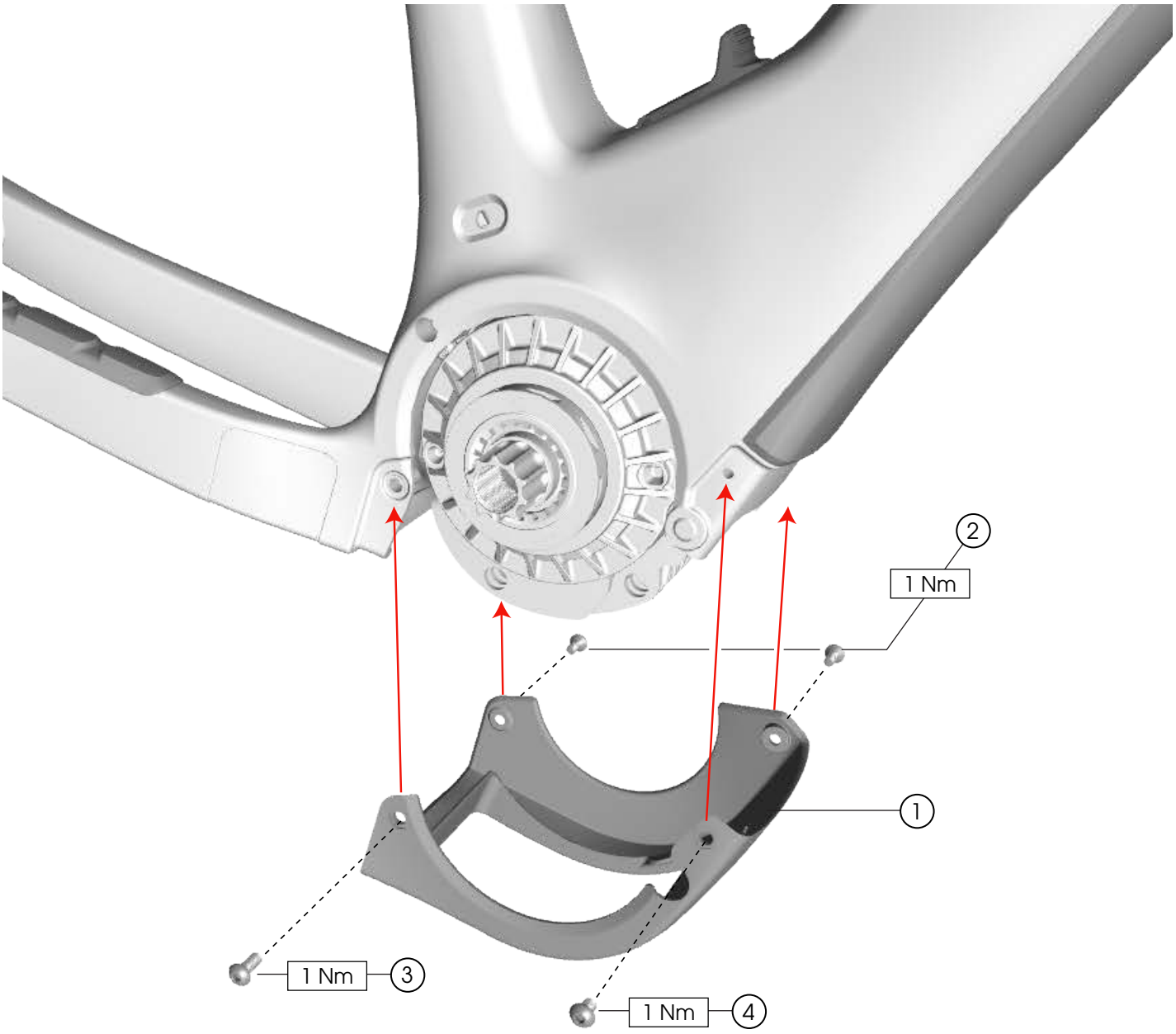




4.

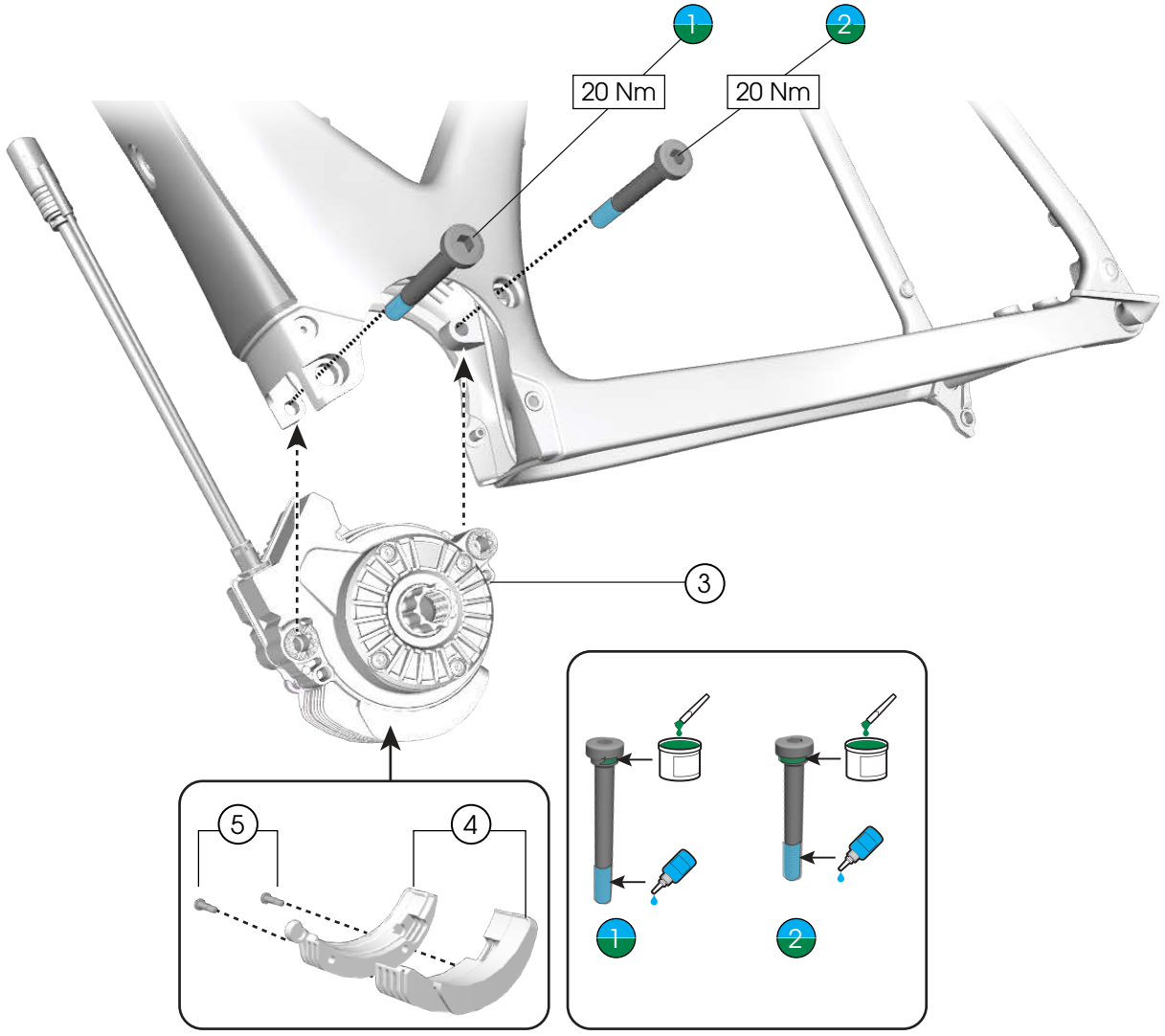


Motor cover



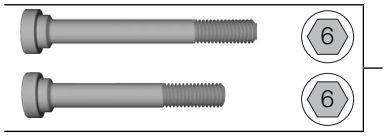
1. Motor cover — *W5328276*
2. Fasteners (M4 x 12 mm) 
3. Fastener (M4 x 10 mm) — *W1052364* 
4. Fastener (M4 x 6 mm) — *W575056* 

Drive unit



1 Front bolt (73 mm)

2 Rear bolt (62 mm)

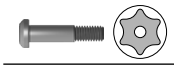


— *5289570*

3 Drive unit (HPR60)

4 Cooling fins — *5343944*

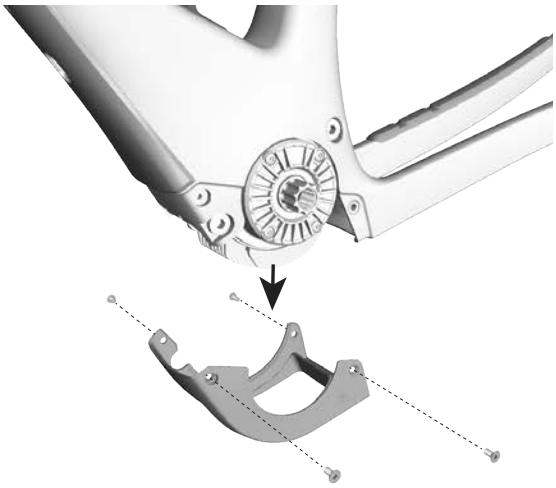
5 T20 security fasteners



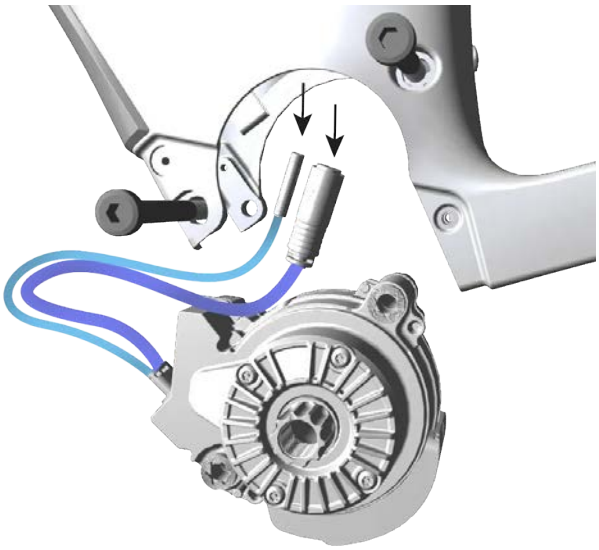
— *5343943*

Remove the drive unit

1. Remove the Motor cover.



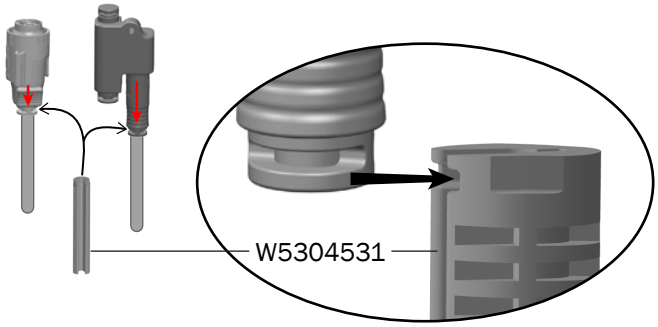
2. Before fully removing the drive unit from the frame, grab the connectors and unplug the speed sensor and drive unit cables.



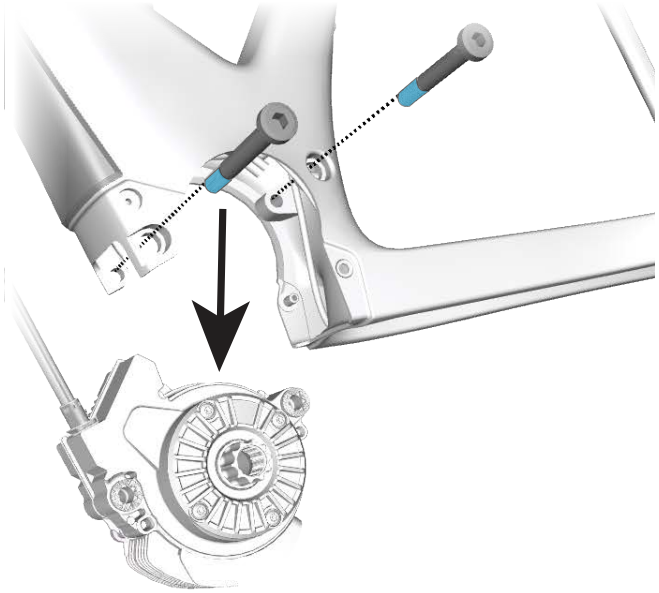
NOTICE: Unplug the speed sensor by the connector — not the cable itself — or you may damage the cables.

Cable connection tool

Use the cable connection tool (W5304531 sold aftermarket) to remove the plugs from the battery and wiring harness.

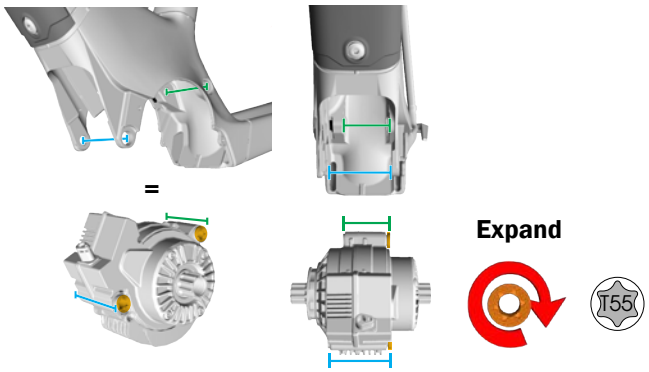


3. Remove the drive unit fasteners.

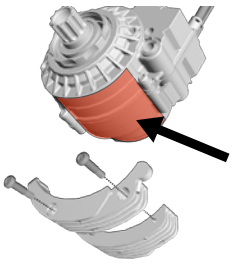


Drive unit installation

If replacing the drive unit, verify the widths match the frame. Adjust the compensation screws if necessary.

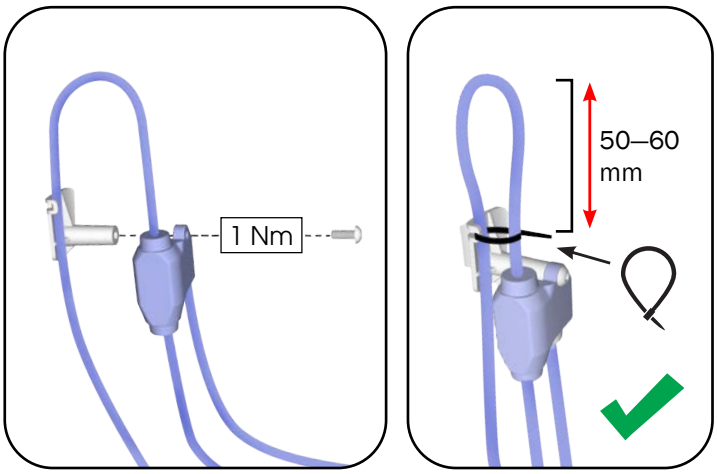


If replacing cooling fins — clean the underside of the drive unit before installing. See the HPR60 service manual at TQ-ebike.com > Manuals for further information.

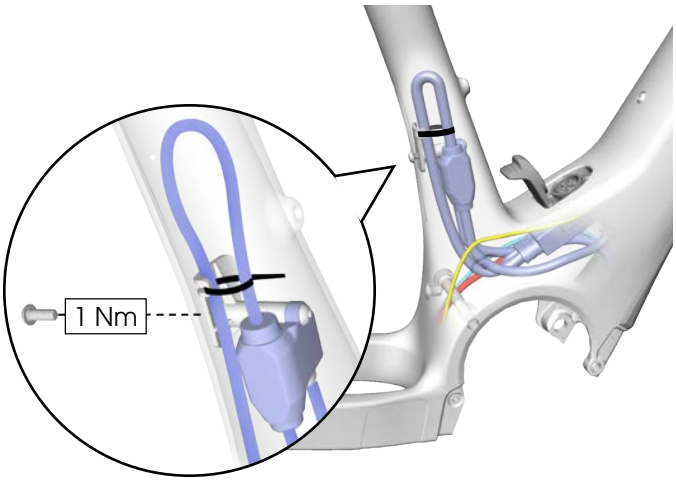


Fit the cables and cords as shown in motor wiring for e-shift or mechanical shifting.

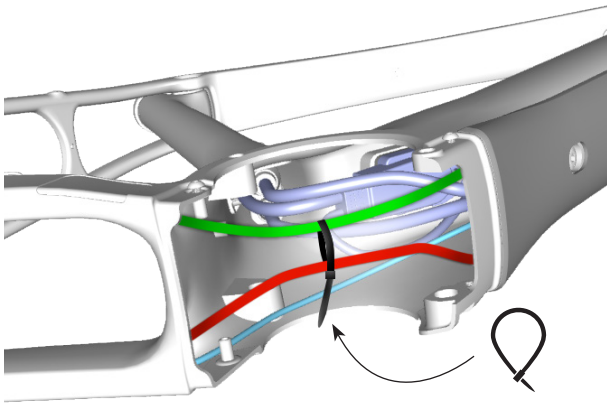
1. Fasten the harness to the cable wrangler. Zip tie the cable into a loop.



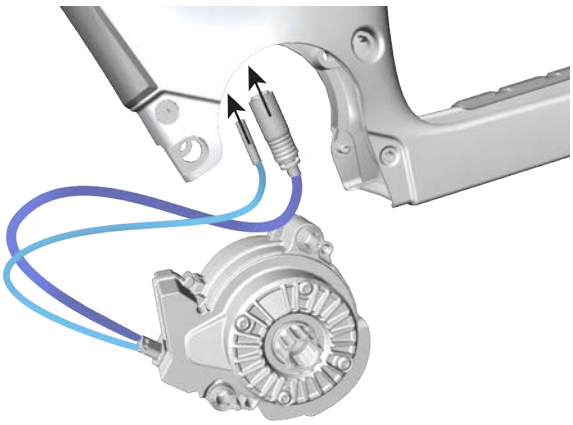
2. Position the cable wrangler inside the seat tube. Secure it with the fastener.



TIP: Zip tie the rear brake hose and rear shift housing together. This will allow better clearance to fit the drive unit.

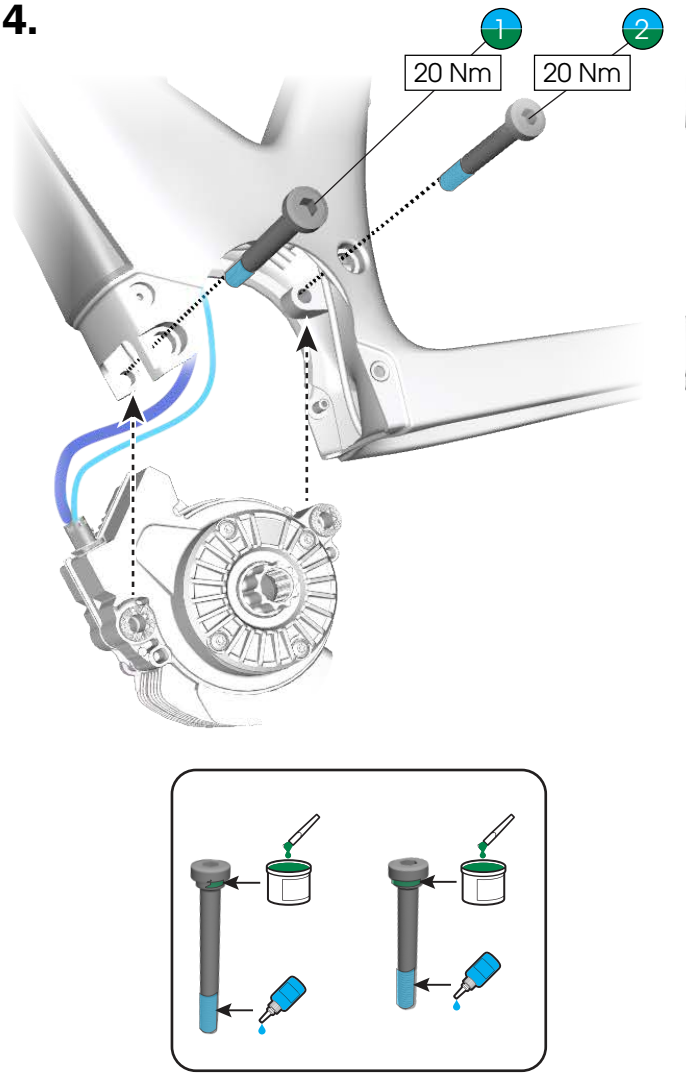


3. Plug the power and speed sensor into the motor.

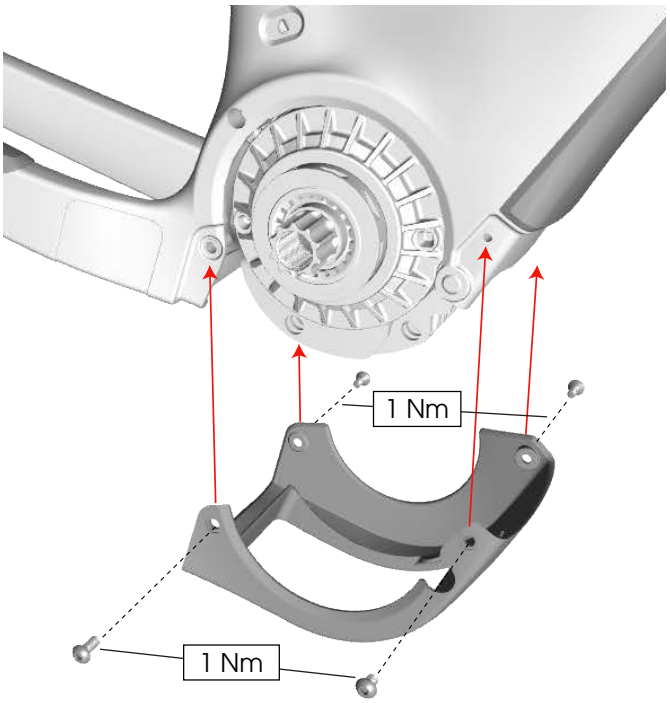


Drive unit installation (continued)

4.

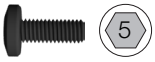


5.



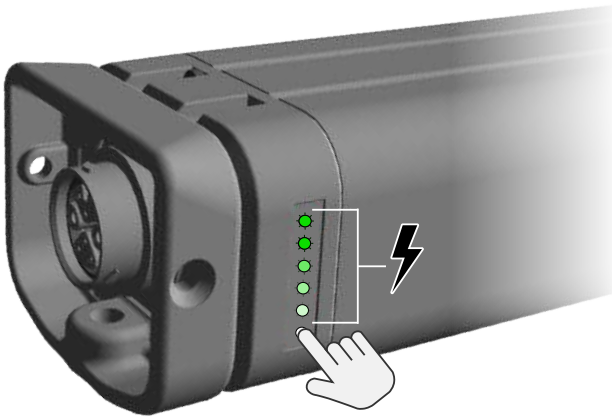
Battery mounts and charge level



1. Bolts (M6 x 16 mm) — *W5275266*  5
2. Washer — *5317317*
3. Bolts (M3 x 6 mm) — *W581747*  2.5
4. Upper bracket — *W5298492*
5. Battery, 360 Wh — *5289554*
6. Lower bracket — *W5273187*

Charge level

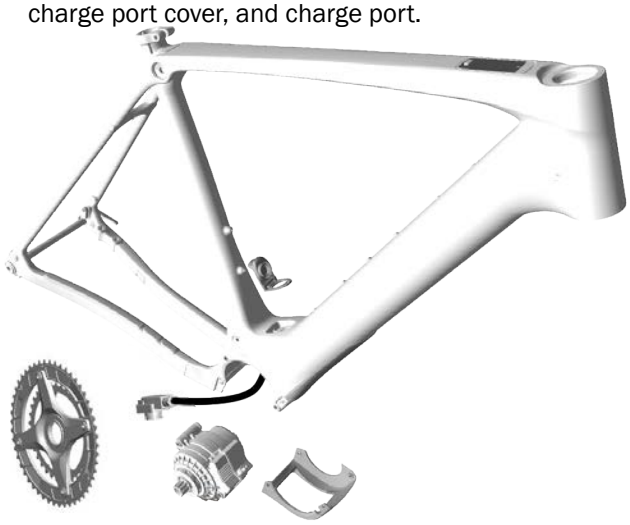
The LEDs on the battery indicate the charge level (each LED represents 20% of the battery charge). To view the charge level with the battery removed, cover the light sensor for a few seconds with your finger, then remove.



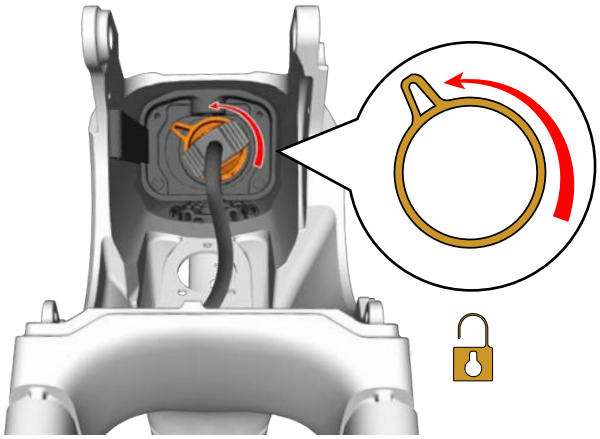
Battery

Remove the battery

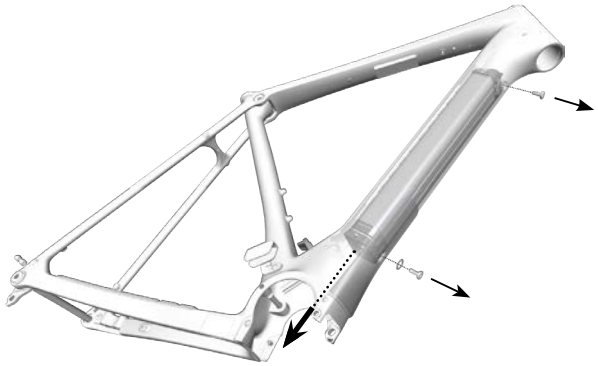
1. Remove the drive unit cover, drive unit assembly, charge port cover, and charge port.



2. Rotate the battery connector counter-clockwise and disconnect it from the battery.

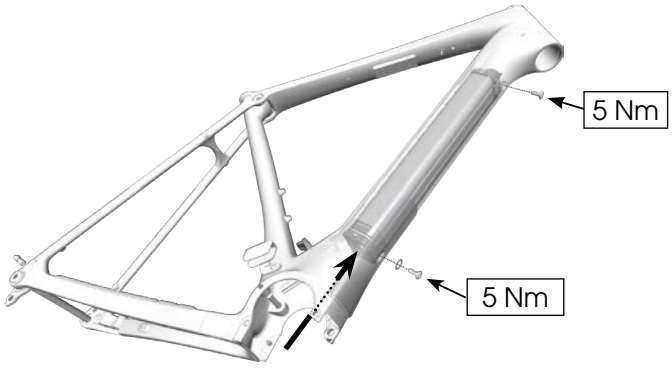


3. Remove the battery mount bolts. Pull out the battery.



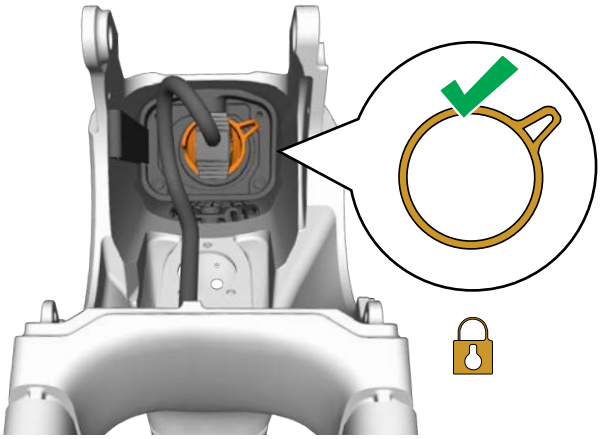
Install the battery

1. Use the battery mount bolts and washer to install the battery.

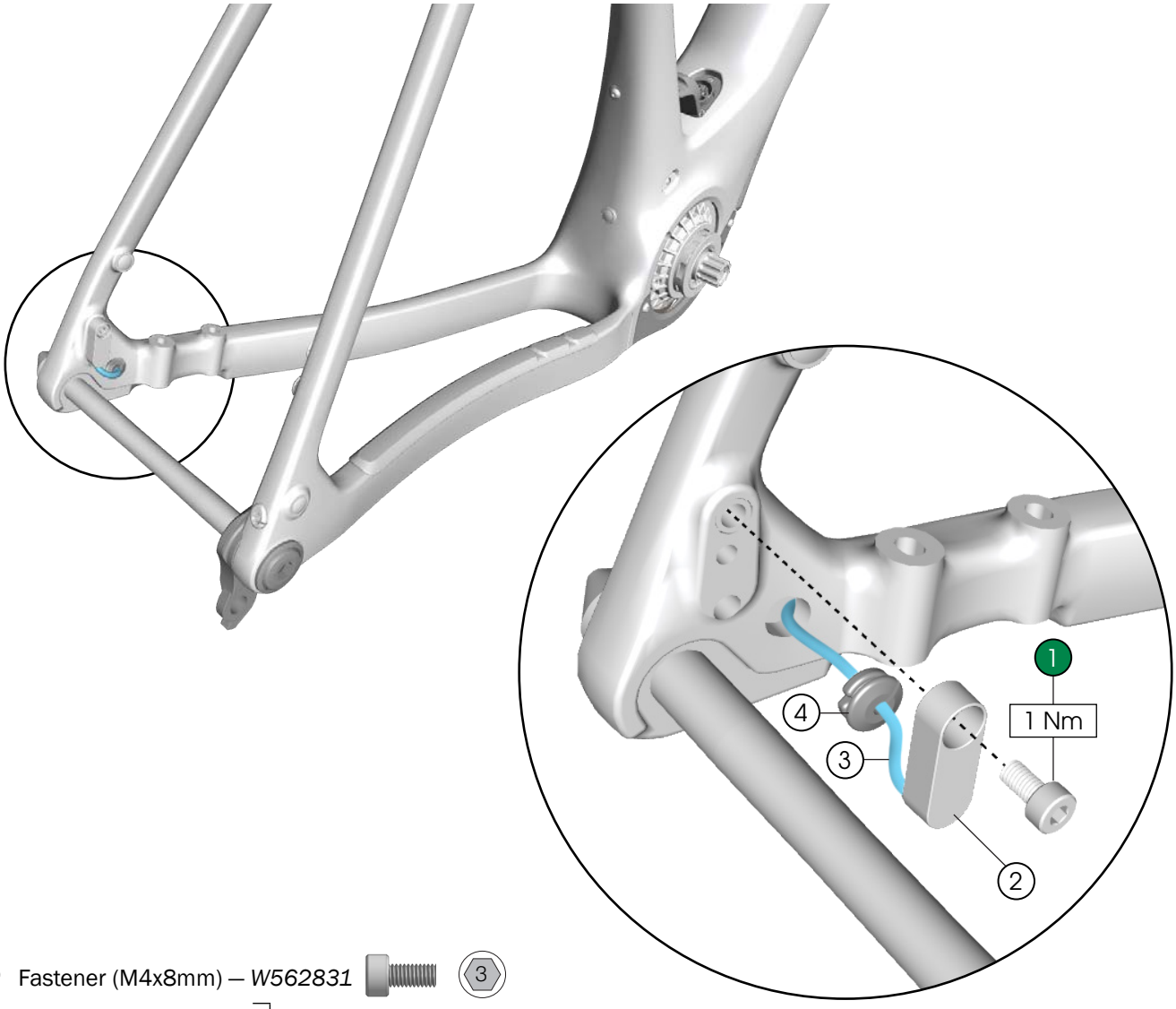


2. Insert the battery connector into the battery until you hear a “click” sound.

TIP: Use the Cable connection tool.



Speed sensor

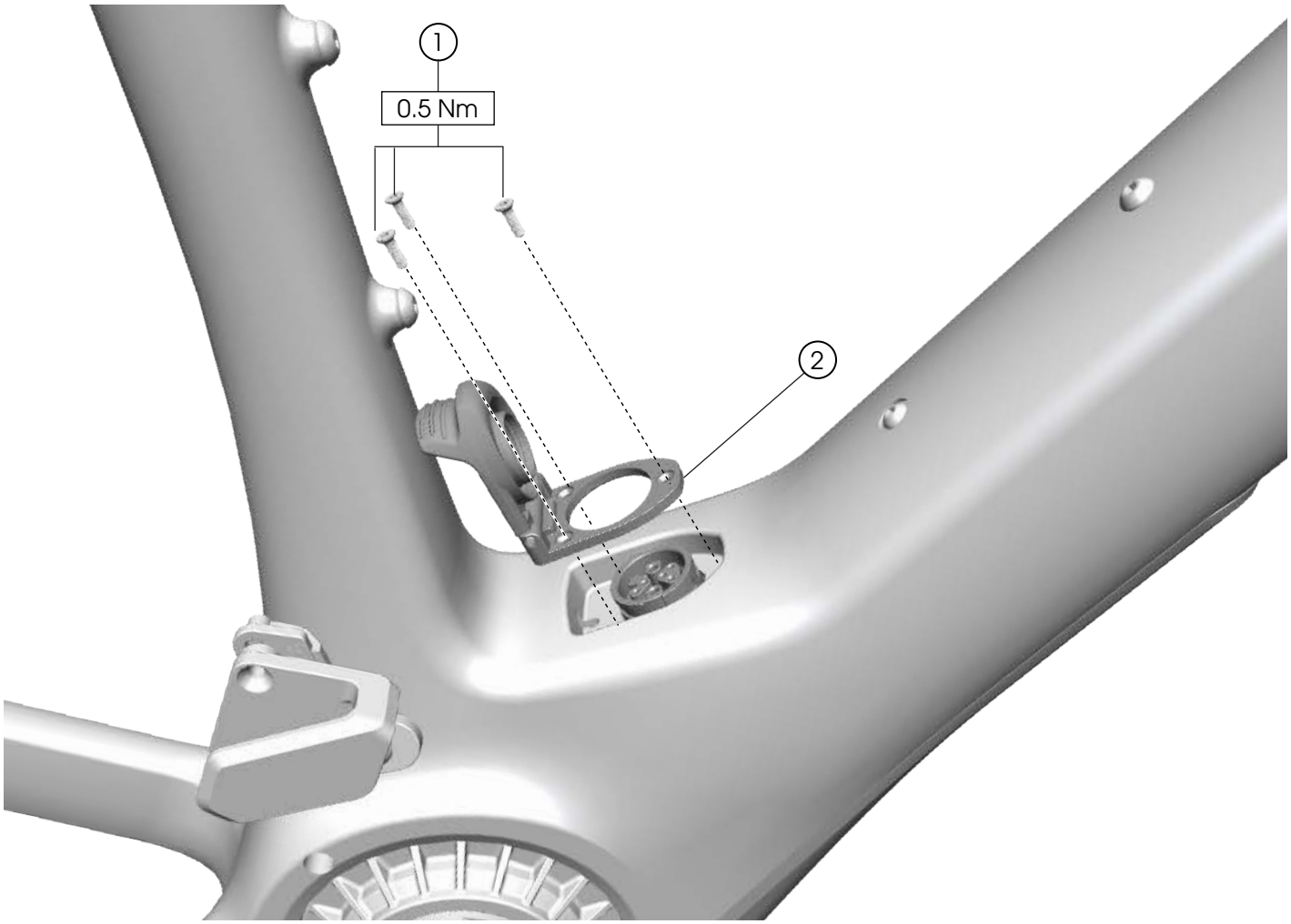


1. Fastener (M4x8mm) — *W562831* 3
2. Speed sensor
3. Speed sensor wire

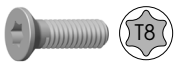
W5285131

4. Grommet — *W440697*

Charge port cover



1. Fasteners (M2.5 x 8 mm)
2. Charge port cover



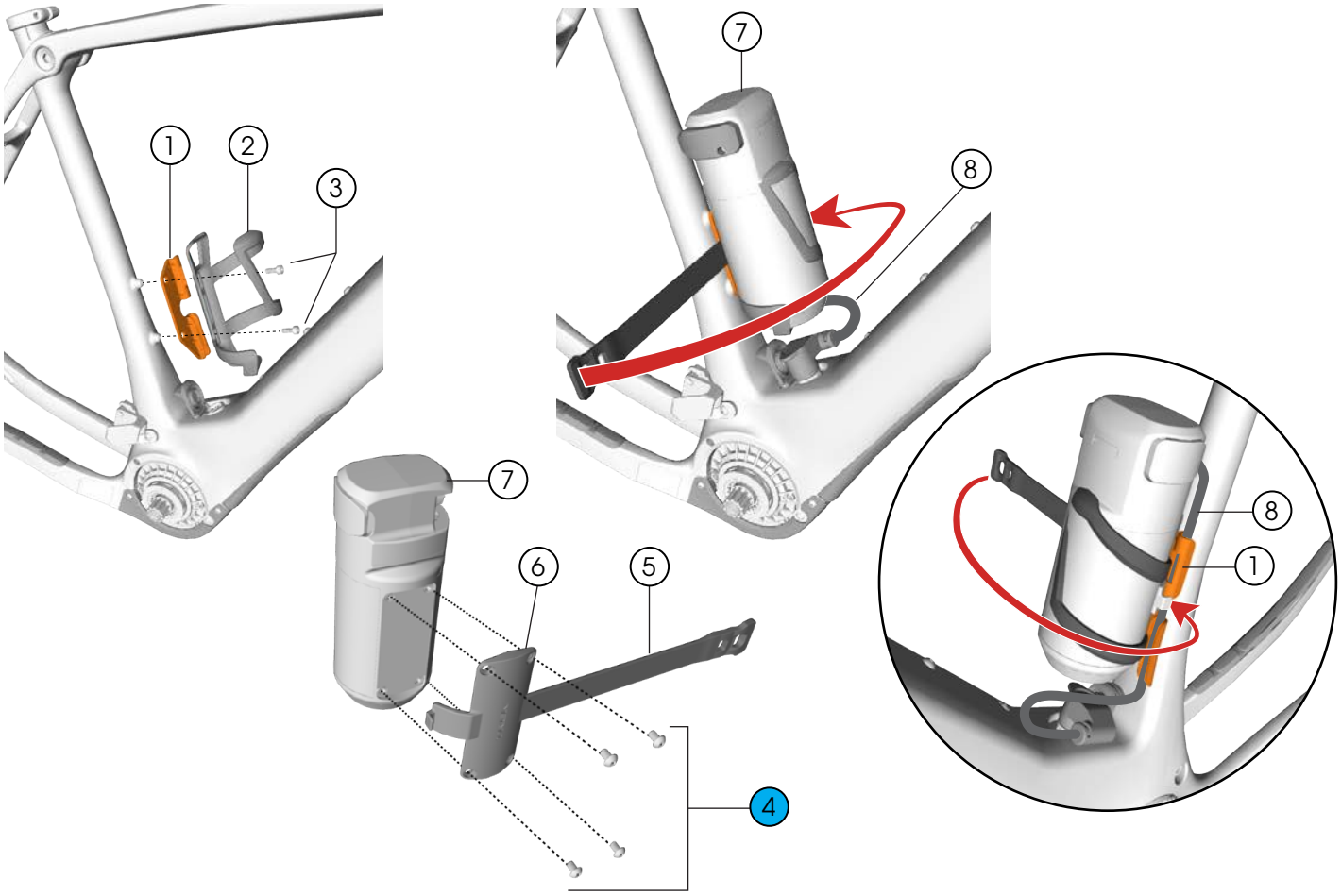
5289578

Replacing the charge port cover

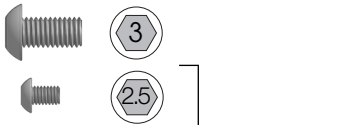
To reinstall the charge port cover, you may need to remove the Drive unit to reach the charge port and hold it in place.

Range extender

NOTE: Range extenders are sold aftermarket.



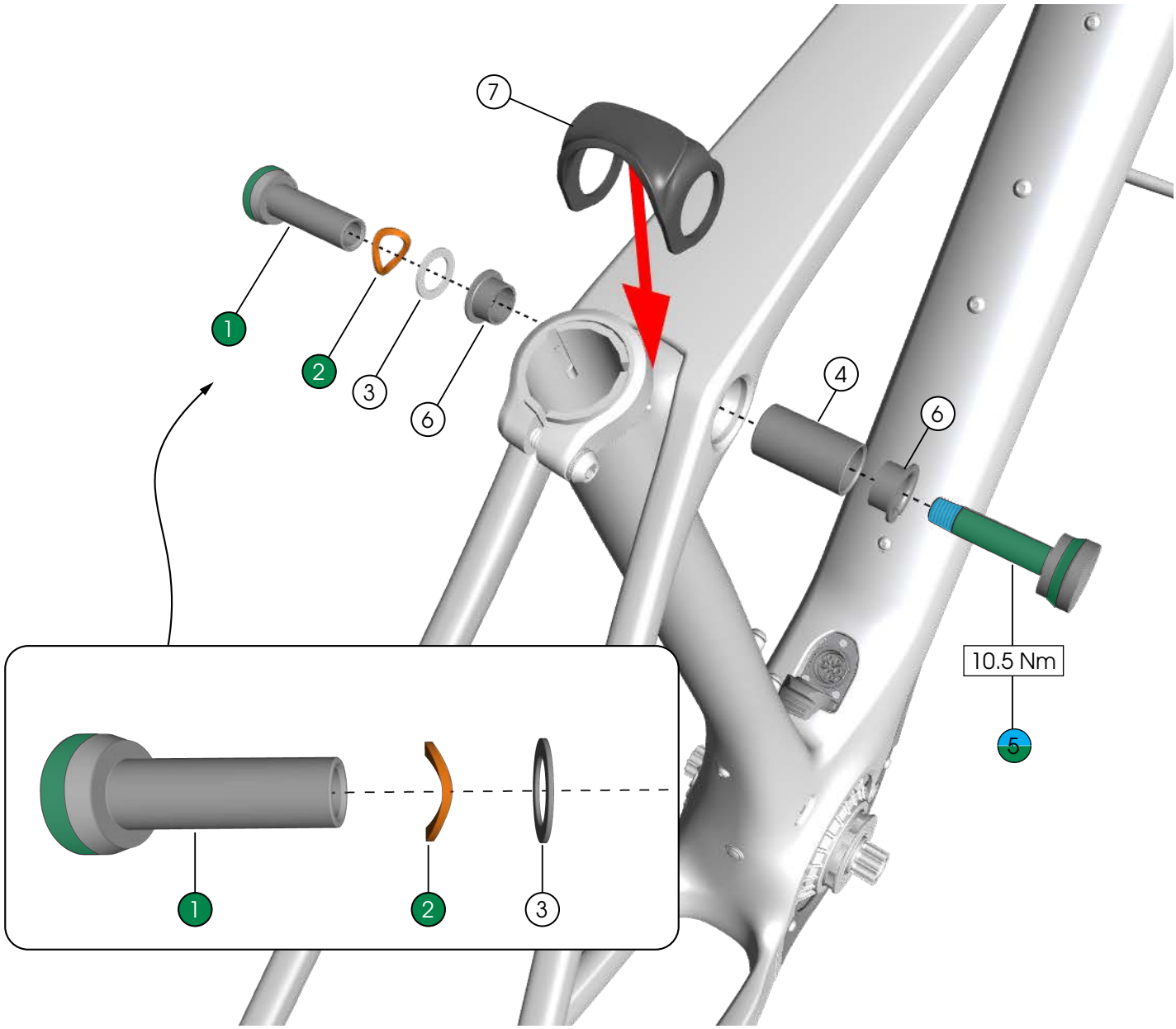
1. Cable guide — *W5300001*
2. Bottle cage — *5324464**
3. Fasteners (M5 x 10 mm) — *5332051*
4. Fasteners (M4 x 6 mm)
5. Strap
6. Back plate
7. Range extender battery — *5289555*
8. Cable — *5353983*



5325177

**black — see Trekbikes.com for full list of options*

IsoSpeed



1. Pivot axle
2. Wave washer
3. Washer

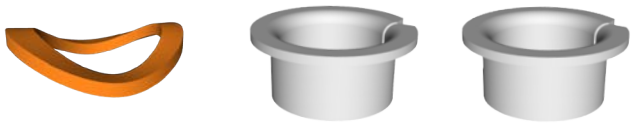
5328243

4. Bushing sleeve
5. Pivot bolt
6. Flanged bushings — *W5256074*
7. Grommet — *W5316588*

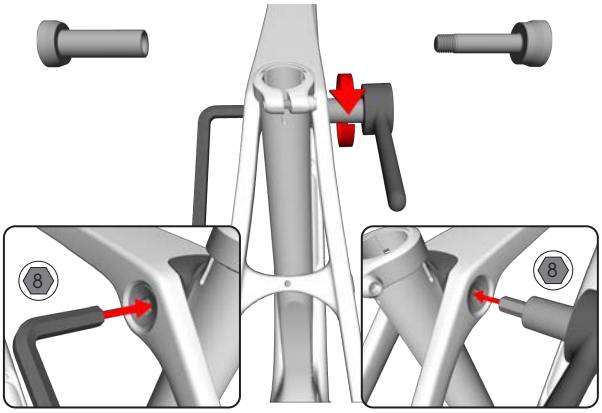
Service the IsoSpeed

NOTICE: Do not perform routine maintenance on the IsoSpeed. Only service IsoSpeed hardware if you are replacing parts.

NOTE: If you remove the bushings or the wave washer, you must replace them.

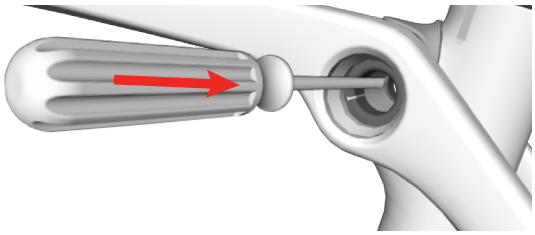


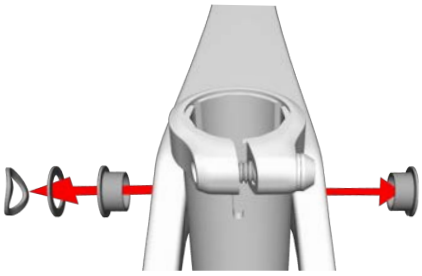
1. Remove the pivot bolt and axle. Hold the pivot axle in place with an 8 mm wrench while loosening the pivot bolt.



2. Remove the washers and flanged bushings. Discard the wave washer and flanged bushings.

   TIP: Use a screwdriver to push the flanged bushings out of the frame.





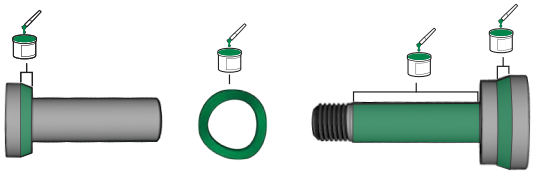
3. Clean all parts and mating surfaces using 50/50 isopropyl/water mix.
4. Install the new bushings.
5. Apply high-strength threadlocker to the pivot bolt threads.

   IMPORTANT: Let the threadlocker fully dry following the manufacturer's specifications before installing to prevent threadlocker from contacting the bushings.

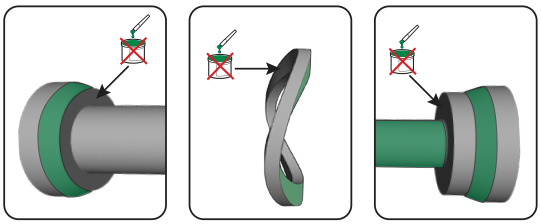


6. Grease the wave washer, pivot axle, and pivot bolt in the areas highlighted below.

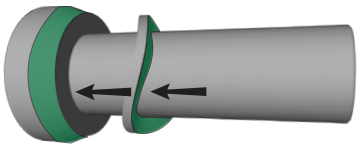
   IMPORTANT: Do not apply grease to any part of the bushings, frame pockets, or pivot axle.



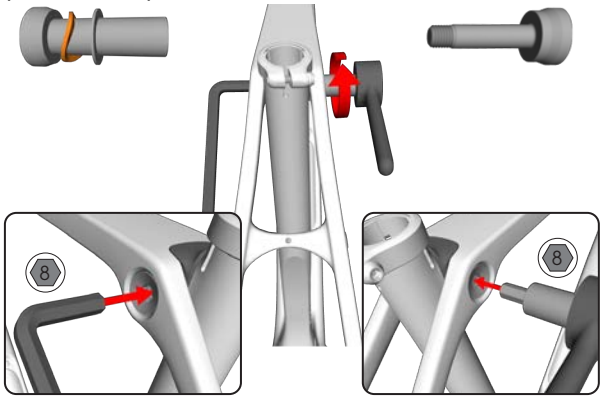
   IMPORTANT: No grease on the pivot axle-mating side of wave washer.



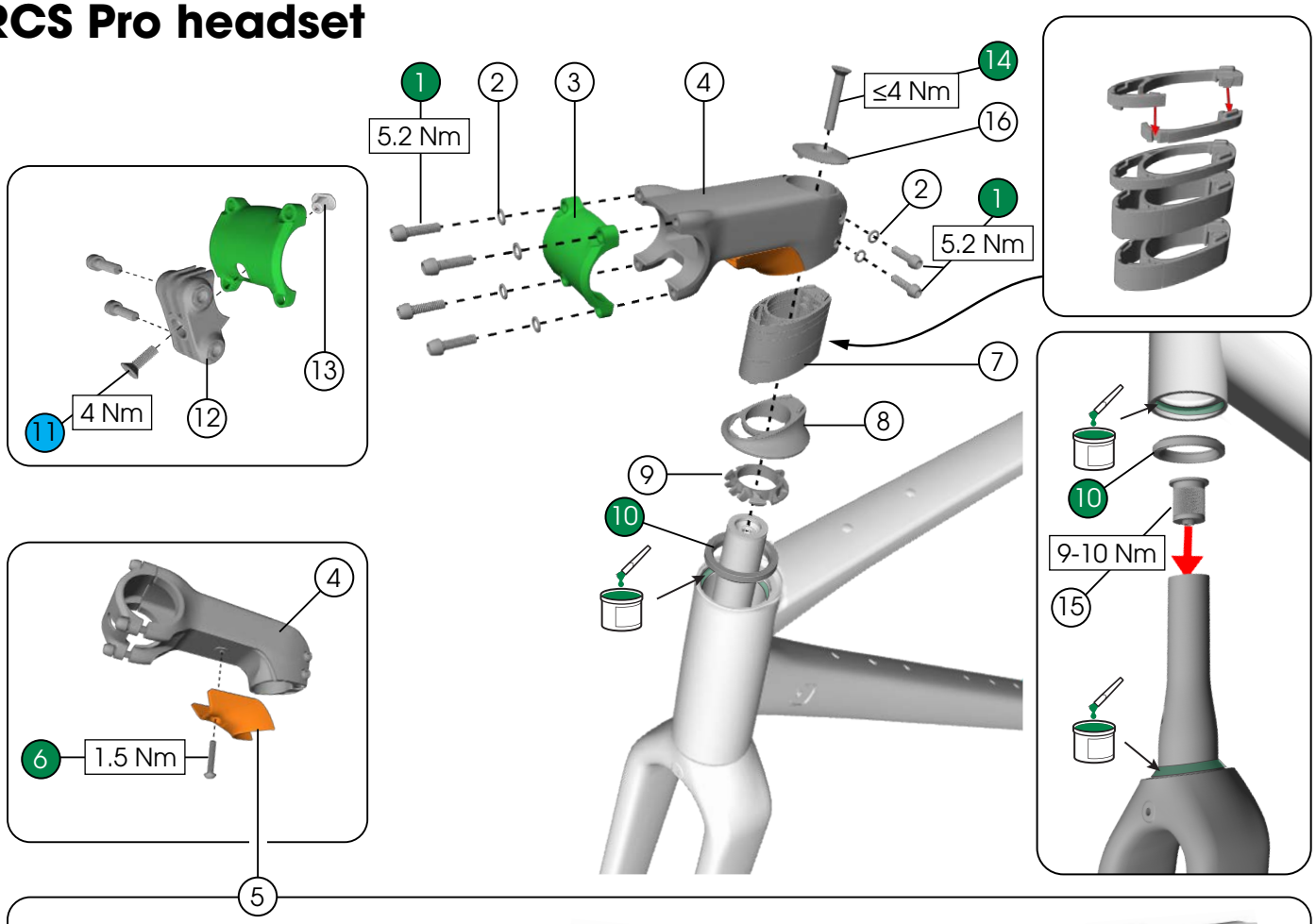
7. Slide the wave washer over the pivot axle.



8. Install the grommet. Then install all hardware and tighten the pivot bolt to 10.5 Nm while holding the pivot axle in place with an 8 mm wrench.



RCS Pro headset



Available routing covers

7° stem



7° x 60/70 mm — *W5274602*

7° x 80/90/100 mm — *W5274603*

-7° stem



-7° x 60/70/80 mm — *W5274599*

-7° x 90/100/110 mm — *W5274600*

-7° x 120/130/140 mm — *W5274601*

1. Fasteners (M5 x 15 mm) — 4
2. Washers (M5)
3. Faceplate
4. RCS Pro stem (-7° x 100 mm)
5. Routing cover
6. Fastener (M4 x 25 mm) — 25

**5274584*

7. Spacers
   - 5 mm — *5296906*
   - 15 mm — *5296905*
8. Bearing top cover — *W5317347*
9. Split ring — *W5315339*
10. Bearings — *W5322818*
11. Fastener (M5 x 12 mm) — 3
12. Duo Blendr base
13. Nut

W5274964

14. Fastener (M6 x 35 mm) — 4
15. Expander plug

W547432

16. RCS Pro top cap — *W5274966*

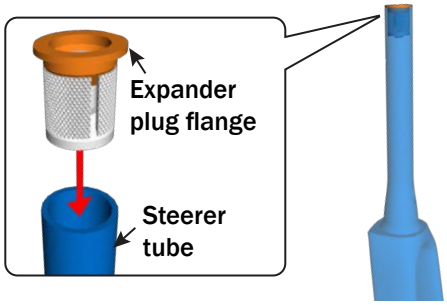
**see Trekbikes.com for full product list*

RCS Pro spacers

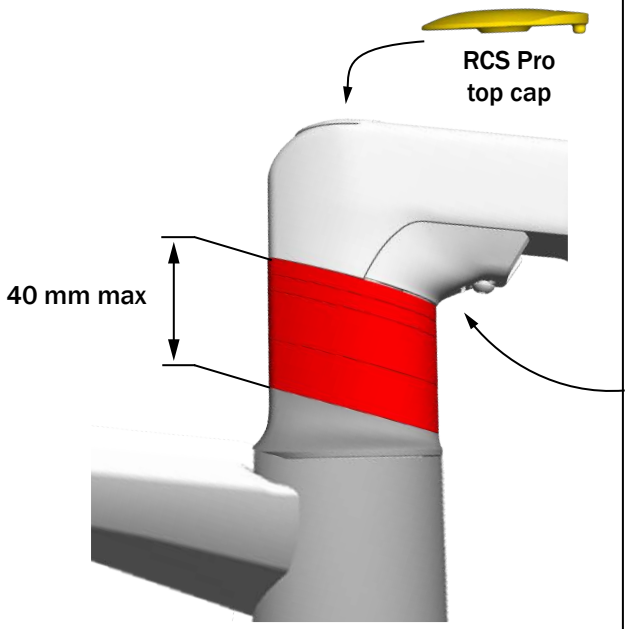
NOTE: If you remove spacers below the stem, you must add the same height of spacers above the stem or cut the steerer tube.

WARNING

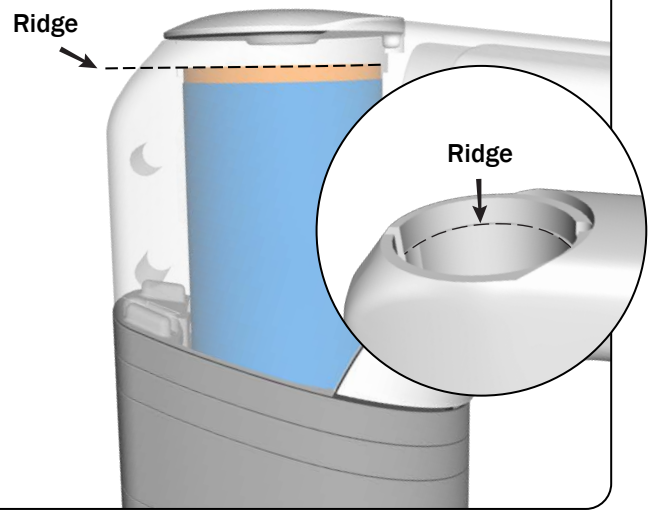
Do not exceed 40 mm of headset spacers above or below the stem. If there are more than 40 mm of spacers, the steerer tube could become damaged and break, causing a crash resulting in injury.



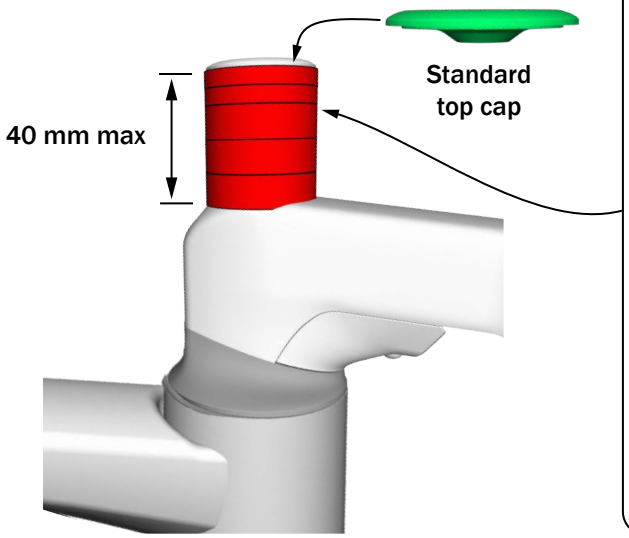
Below stem



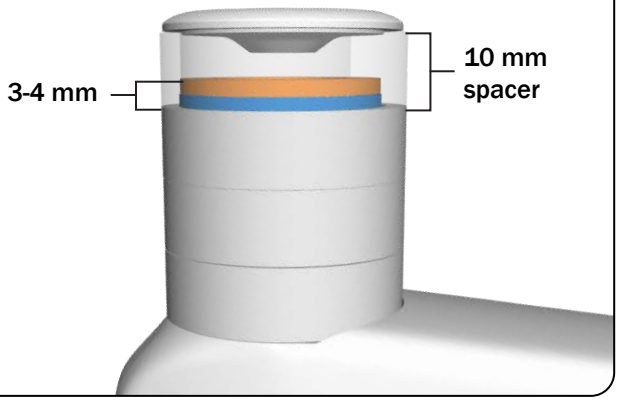
The expander plug flange must sit flush or slightly (0-2 mm) above the ridge inside the stem.



Above stem



If there are any spacers above the stem, the expander plug flange must extend 3-4 mm into the top spacer.

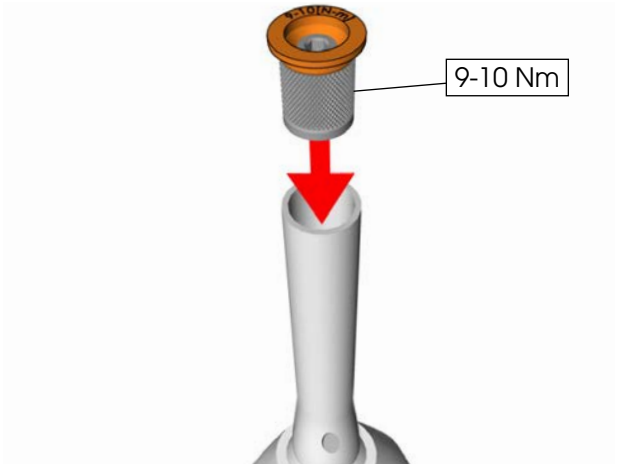


RCS Pro installation

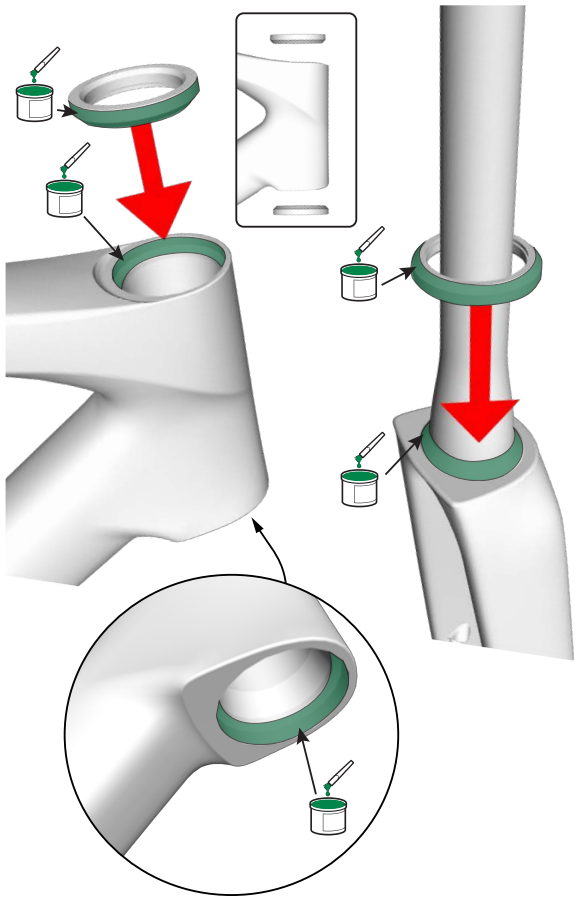
Before you begin:

- Install derailleur(s) and brake calipers.
- Route all cables/hoses through the frame/fork and connect them to the derailleurs/calipers.
- Make sure the steerer tube is the correct length for the stack/spacer height (see RCS Pro spacers).

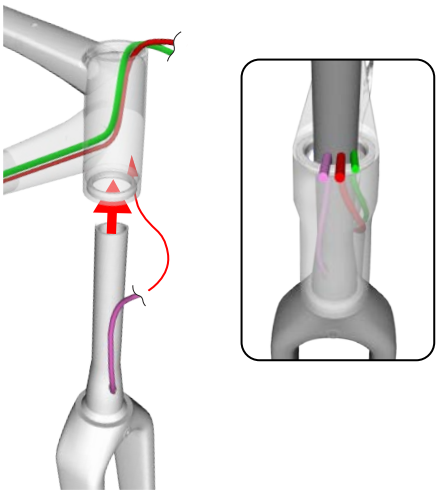
1.



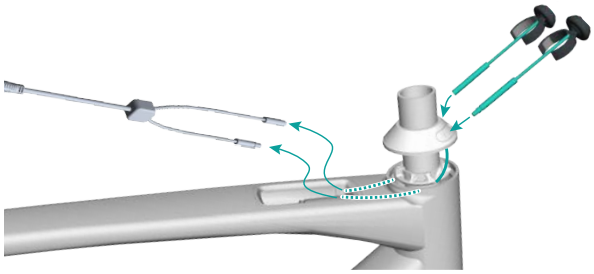
2.



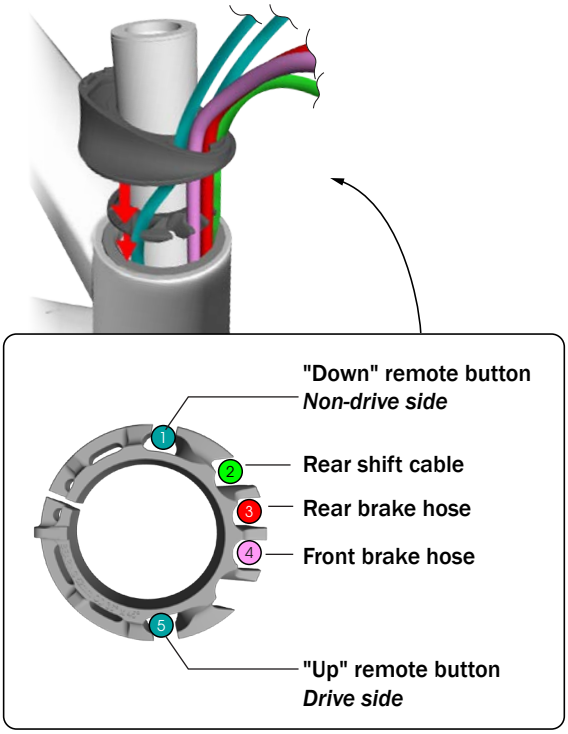
3.



4. See Display installation

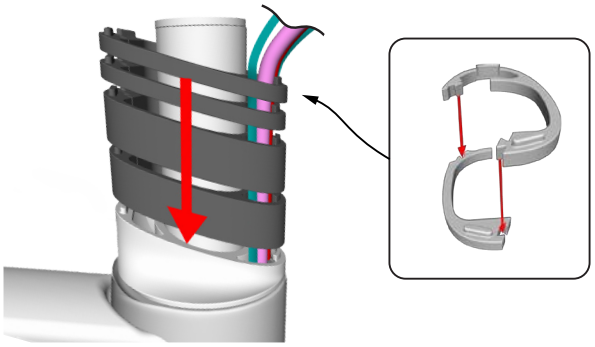


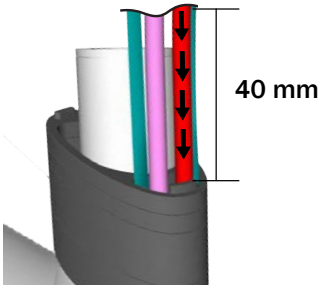
5.



RCS Pro installation (continued)

6. Slide the spacers down the steerer tube. Then feed about 40 mm of the rear brake hose and shift cable into the frame so the handlebar can turn freely.

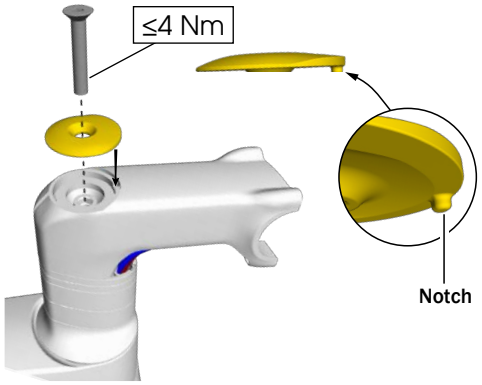


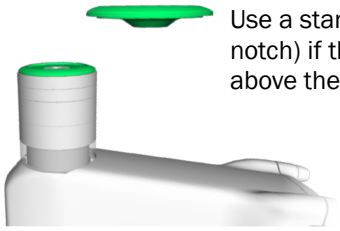


7.



8.

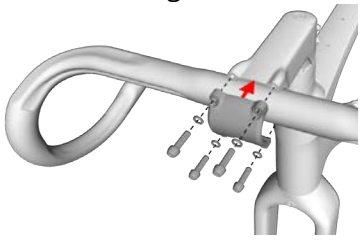




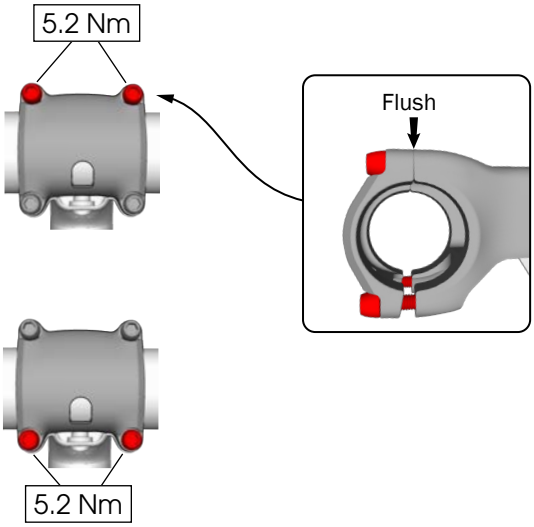
Use a standard top cap (no notch) if there are spacers above the stem.

9. Loosely tighten the faceplate fasteners to secure the handlebar.

OPTIONAL: Attach the Blendr base to the faceplate before attaching the handlebar.

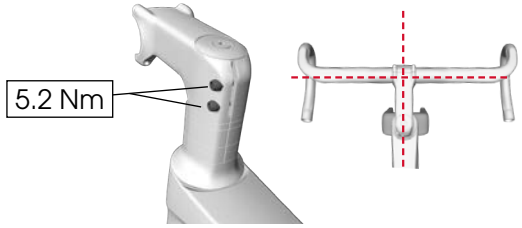


10. Fully tighten the top fasteners first — switching between them — until they are fully torqued. Repeat for the bottom two fasteners.

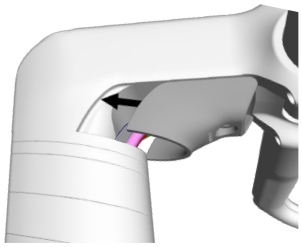


RCS Pro installation (continued)

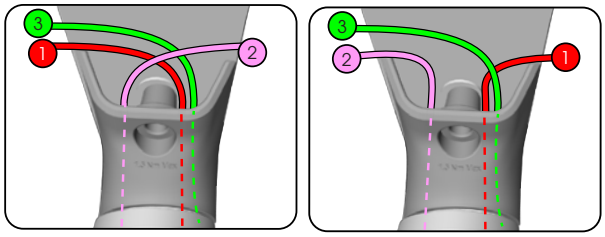
11. Tighten both stem fasteners — switching between them — until they are fully torqued.



12. Insert the routing cover.

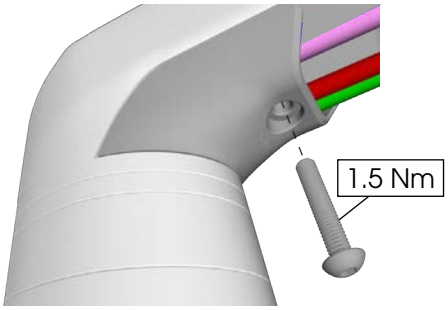


1. Rear brake hose
2. Front brake hose
3. Rear shift housing

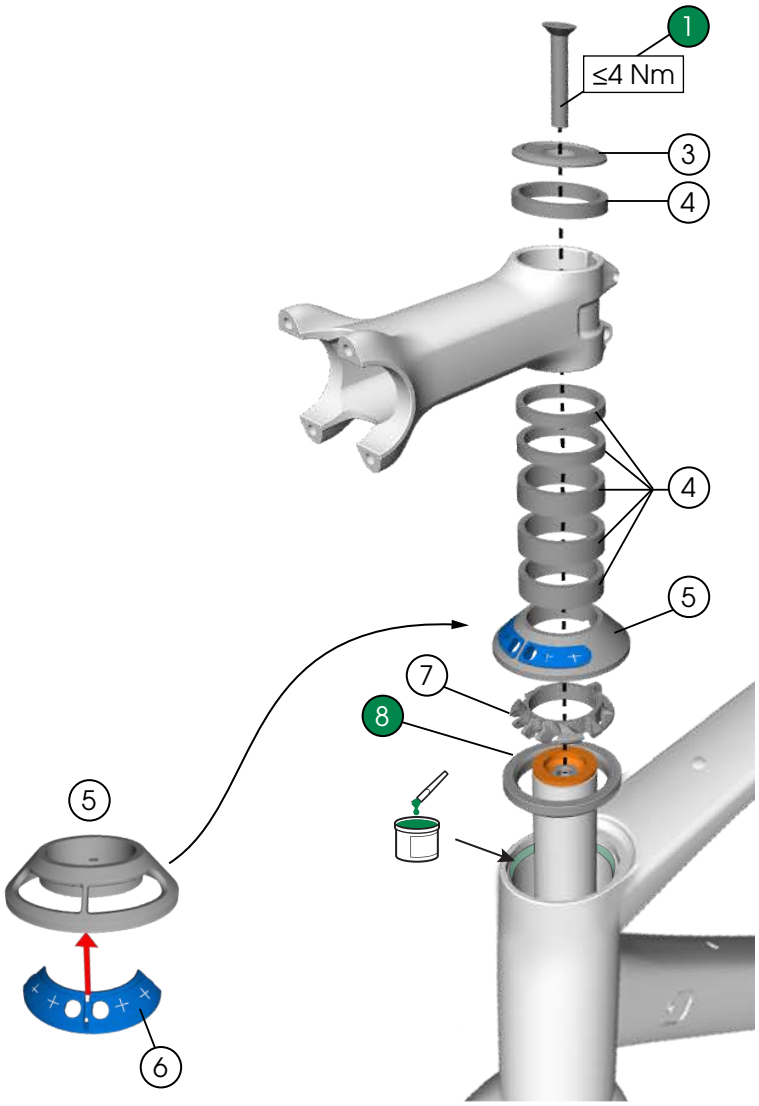


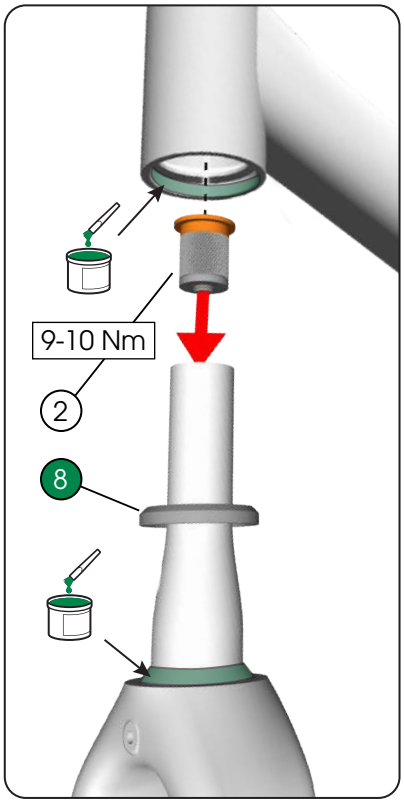
Standard **Moto**

13.



RCS Universal headset





1 Fastener (M6 x 35 mm)



2 Expander plug

3 Top cap

4 Spacers (1-1/8" / 28.6 mm)

5 Bearing top cover

6 Grommet, bearing top cover

7 Split ring — *W5315339*

8 Bearings — *W5322818*

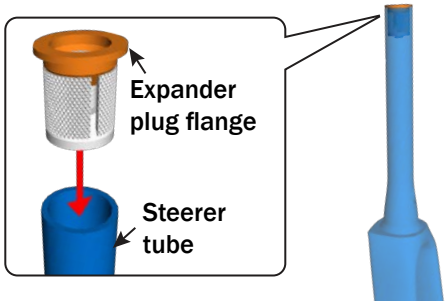
4 — *W547432*

4 — 5 mm — *5253930*
4 — 10 mm — *5253931*

5, 6 — *5328901*

RCS Universal spacers

NOTE: If you remove spacers below the stem, you must add the same height of spacers above the stem or cut the steerer tube.

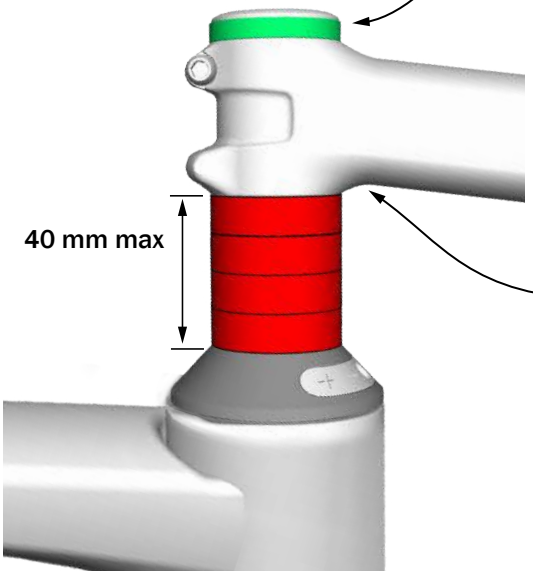


WARNING

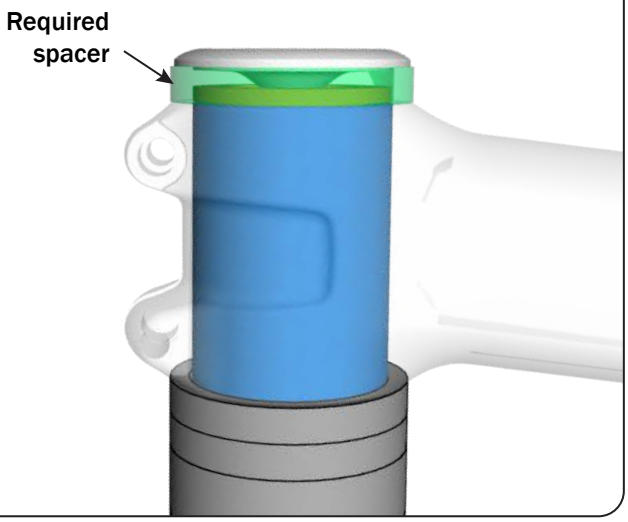
Do not exceed 40 mm of headset spacers above or below the stem. If there are more than the maximum height of spacers, the steerer tube could become damaged and break, causing a crash resulting in injury.

NOTE: Other stem types are compatible with this headset system. A spacer above the stem may not be required.

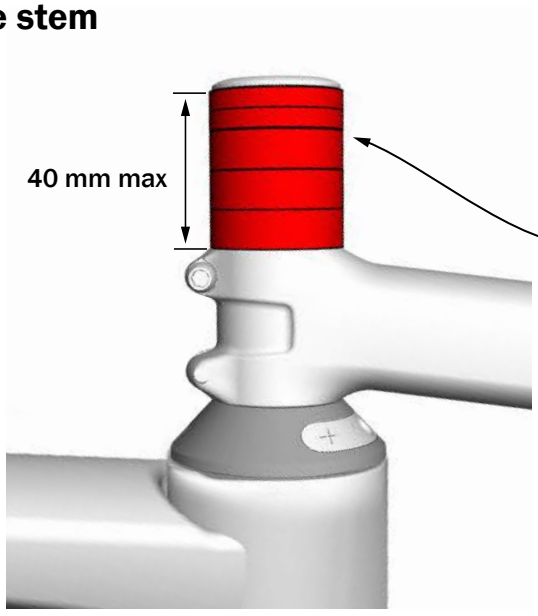
Below stem



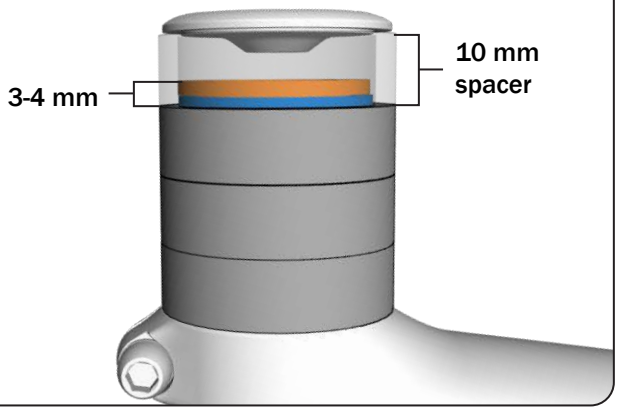
The steerer tube must sit flush or slightly below the top of the stem (0-2 mm).



Above stem



If there are any spacers above the stem, the expander nut flange must extend 3-4 mm into the top spacer.

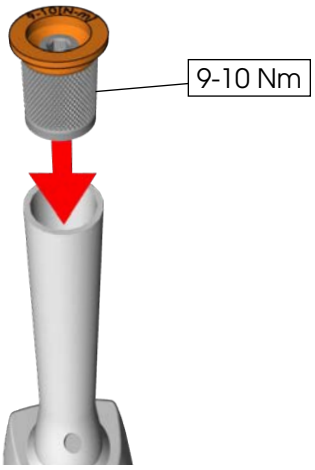


RCS Universal installation

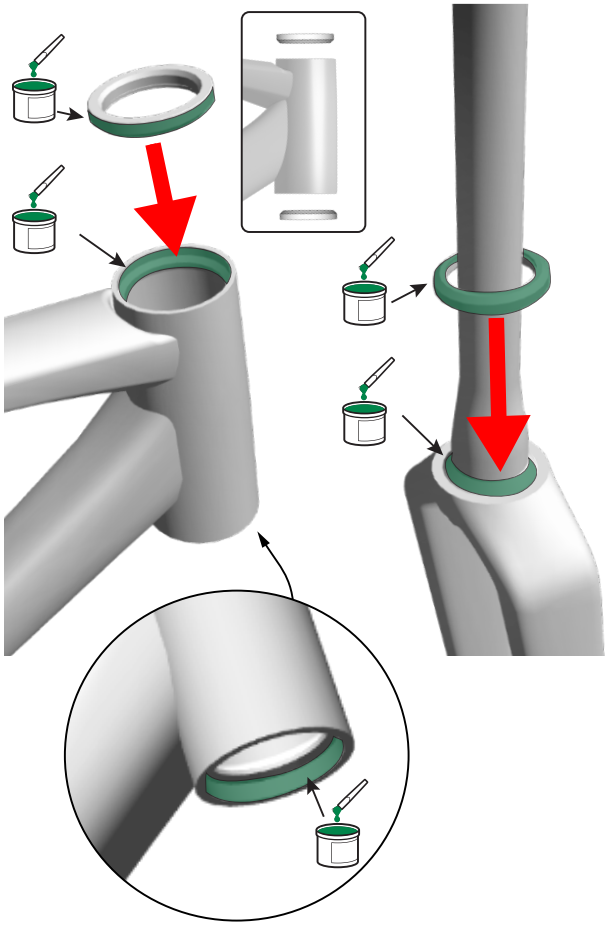
Before you begin:

- Install derailleur(s) and brake calipers.
- Route all cables/hoses through the frame/fork and connect them to the derailleurs/calipers (see Routing — mechanical or Routing — AXS).
- Make sure the steerer tube is the correct length for the stack/spacer height (see RCS Universal spacers).

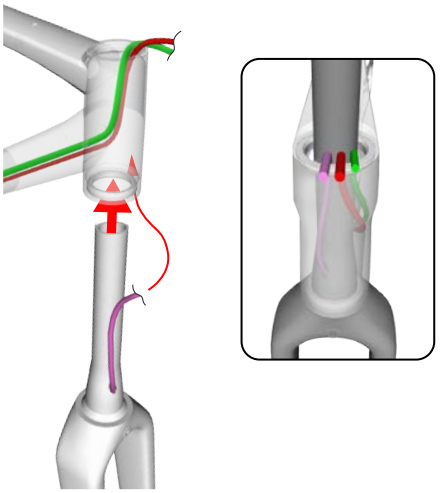
1.



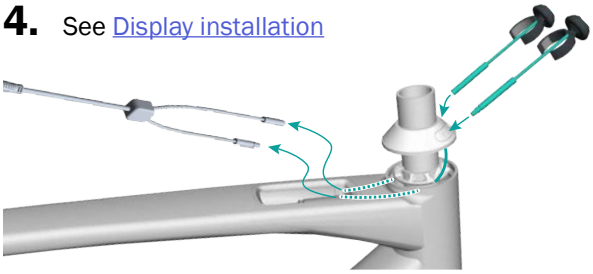
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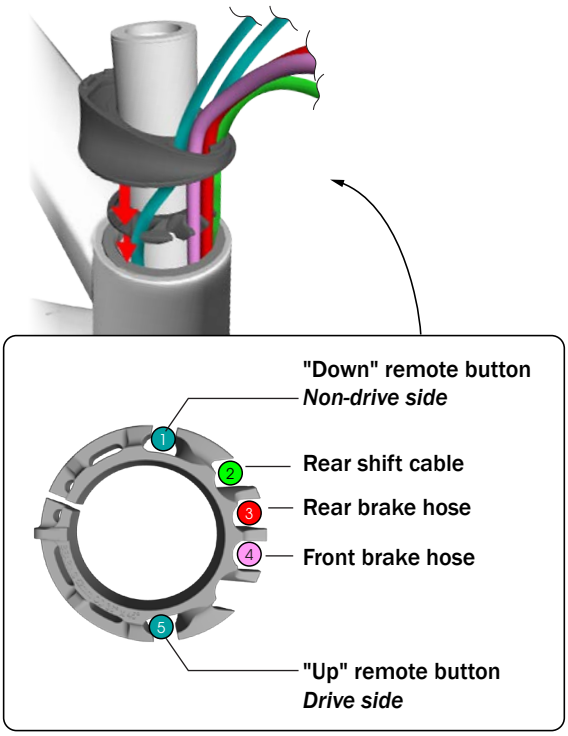
3.



4. See Display installation

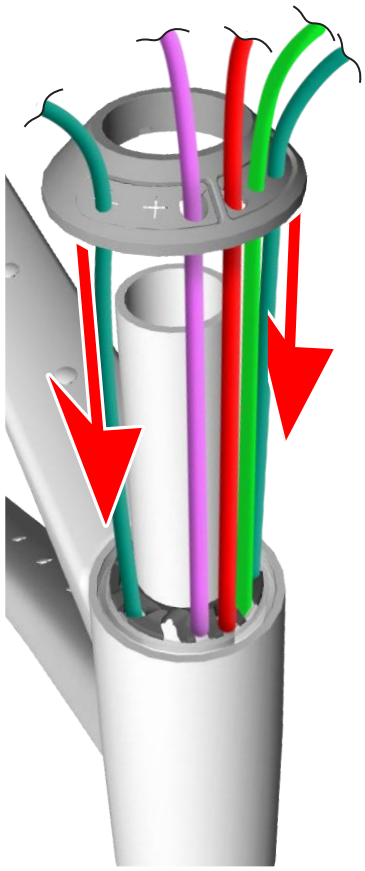


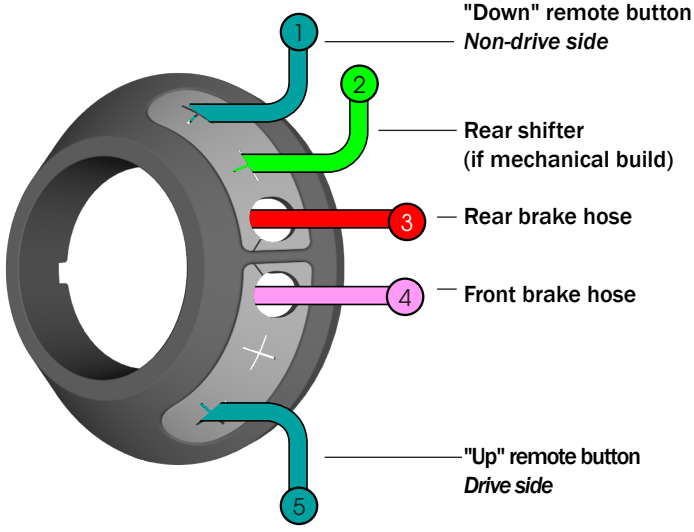
5.



RCS Universal installation (continued)

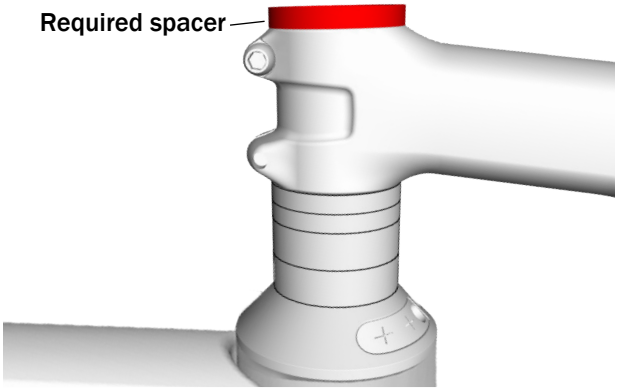
6. Route the brake hoses/cable housings through the bearing top cover. Then slide the bearing top cover down the steerer tube.



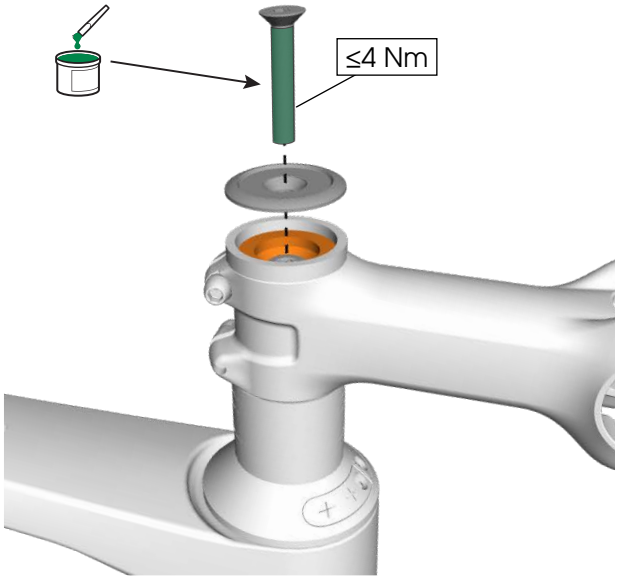


7. Slide the spacers and stem down the steerer tube.

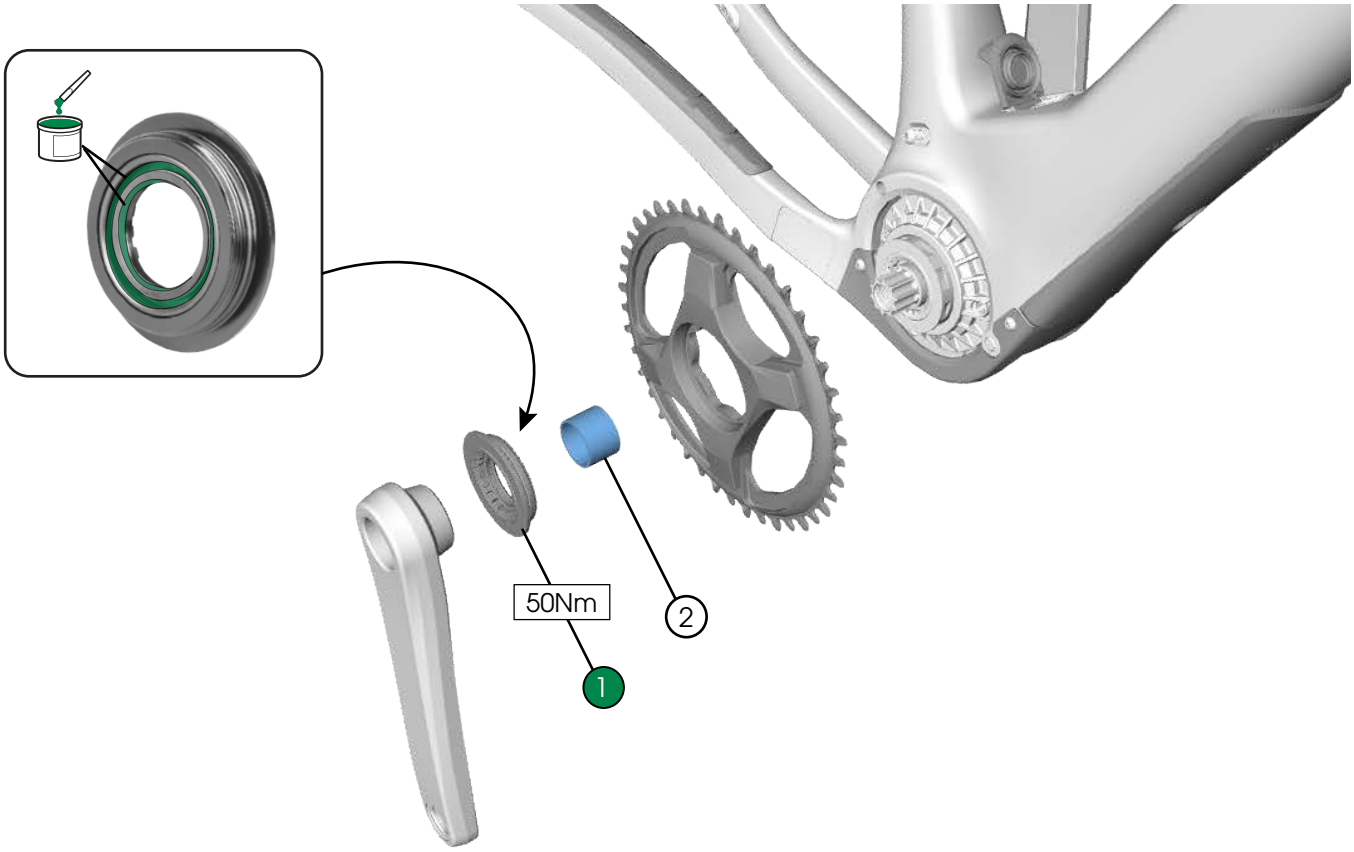
NOTICE: Make sure at least one spacer is above the stem (unless the stem has an integrated spacer).



8.



Chainring, lockring, and cranks



1 Lockring BB20

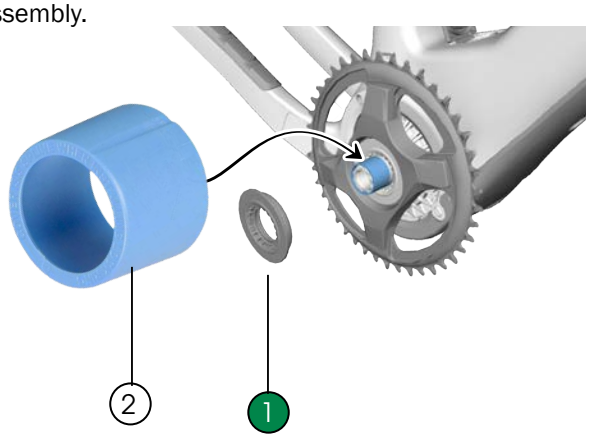
2 *Lockring sleeve

5309454

*Used for lockring installation only

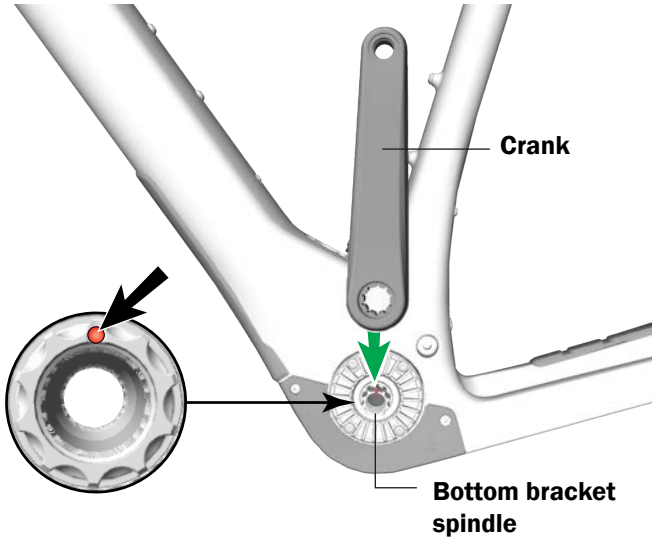
Lockring sleeve

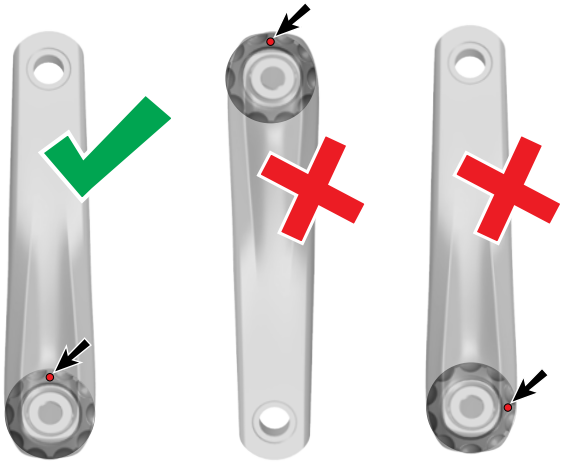
Use the lockring sleeve to install the lockring. Remove it after assembly.



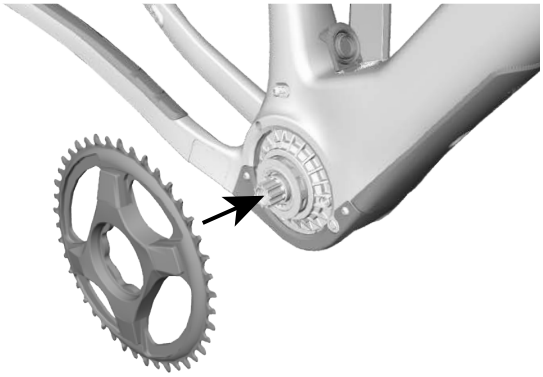
Chainring, lockring, and crank installation

1. Install the non-driveside crank. Align the indents on the bottom bracket spindle with the crank orientation (like the hands on a clock).
IMPORTANT: If you do not align the cranks as shown, the drive unit will not run properly.

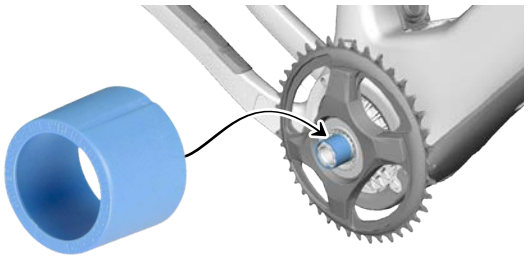




2.

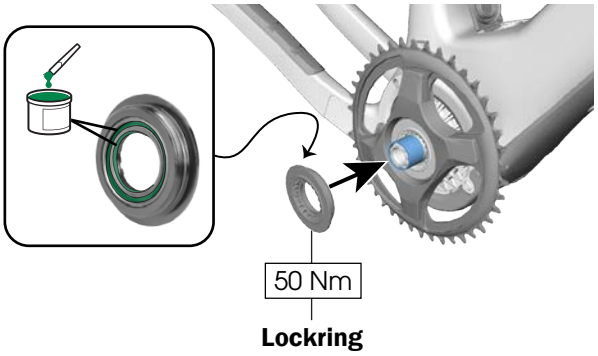


3.

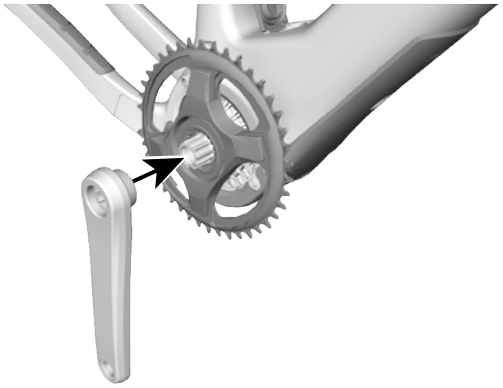


NOTICE: Failure to use the protective sleeve could damage the seal on the lockring and allow water to damage the drive unit.

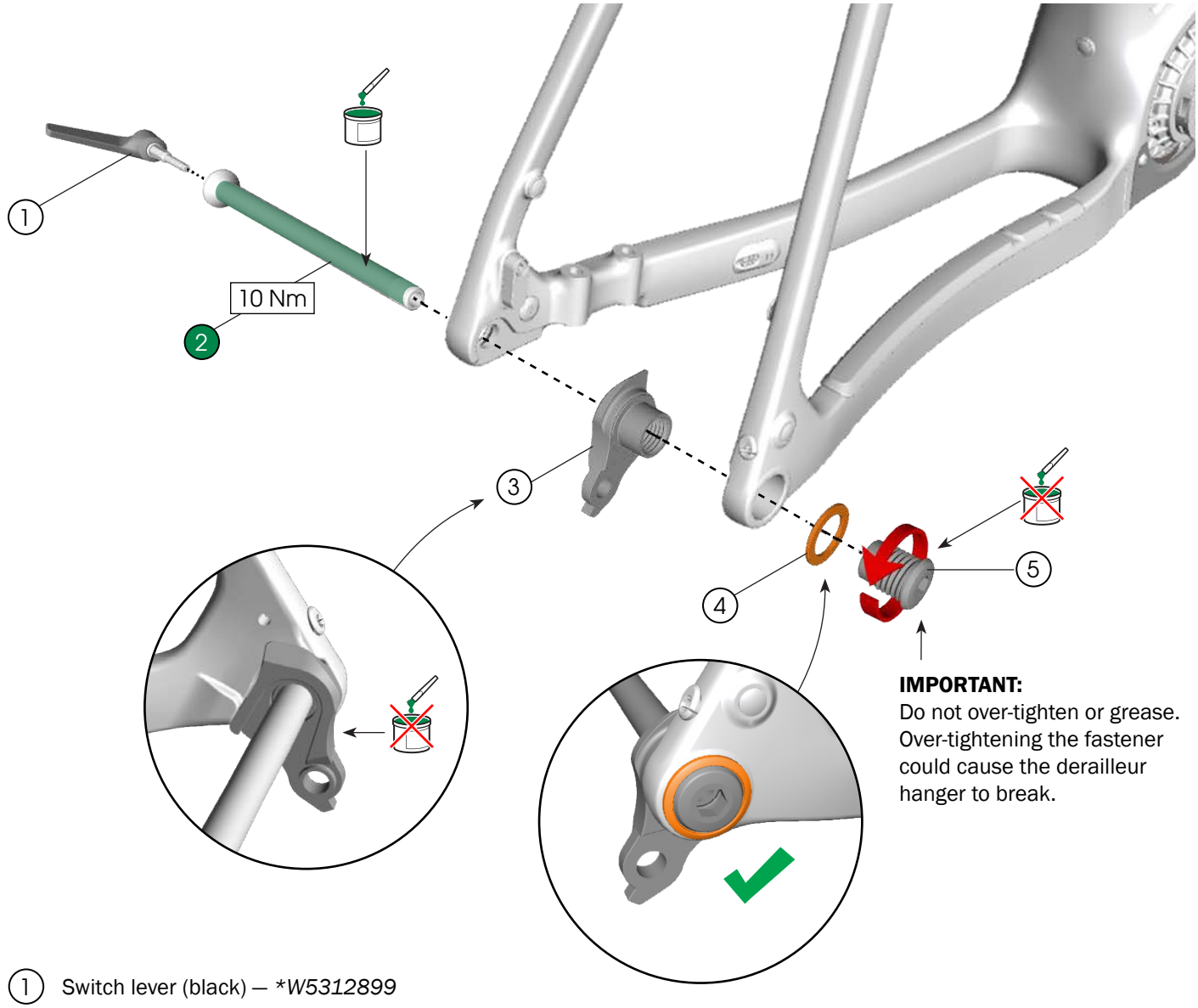
4.



5. Install the driveside crank.



Universal derailleur hanger (UDH) and axles

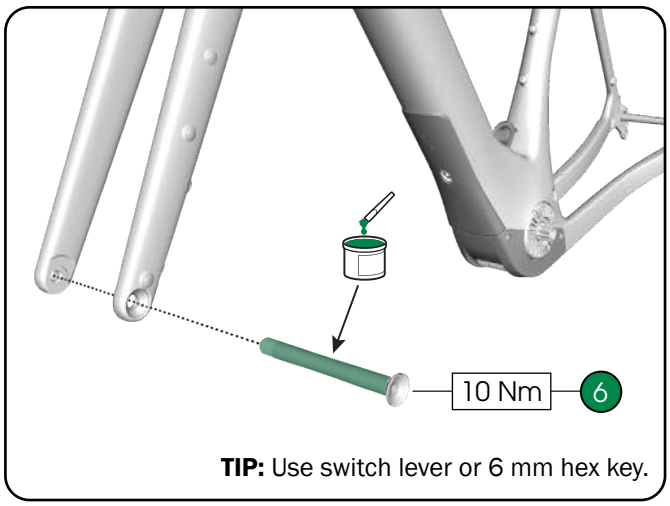


1. Switch lever (black) — **W5312899*
2. Rear axle (M12 x 166 mm) — *W5312169*
3. Derailleur hanger
4. Washer
5. Fastener (M12 x 16 mm) (8)

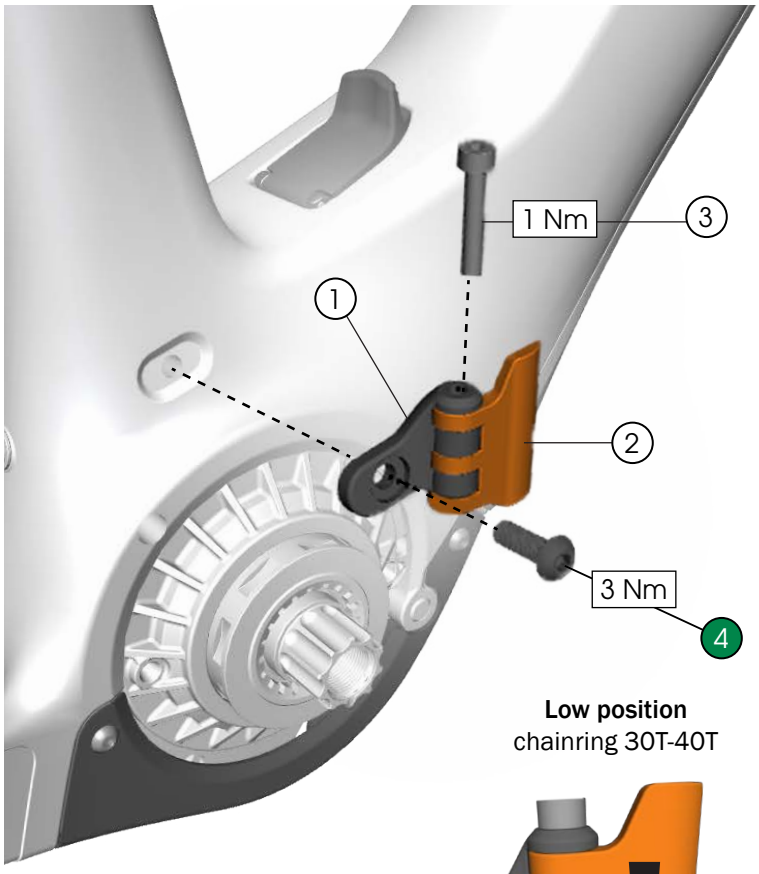
W5271424

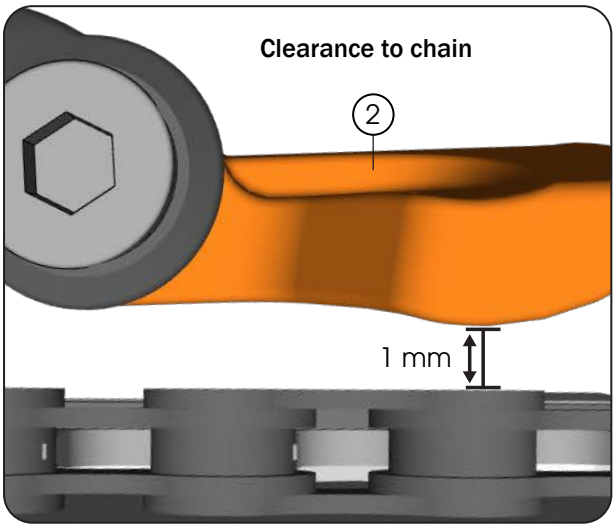
6. Front axle — *W5312168*

**color-matched part — see Trekbikes.com for full list*



Chainkeeper



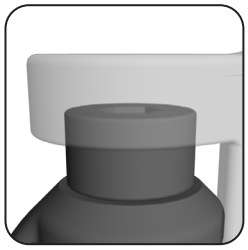


Low position
chainring 30T-40T



High position
chainring 34T-44T





1 Base
2 Tab
3 Fastener (M4 x 22 mm)



5320962

4 Fastener (M5 x 16 mm)

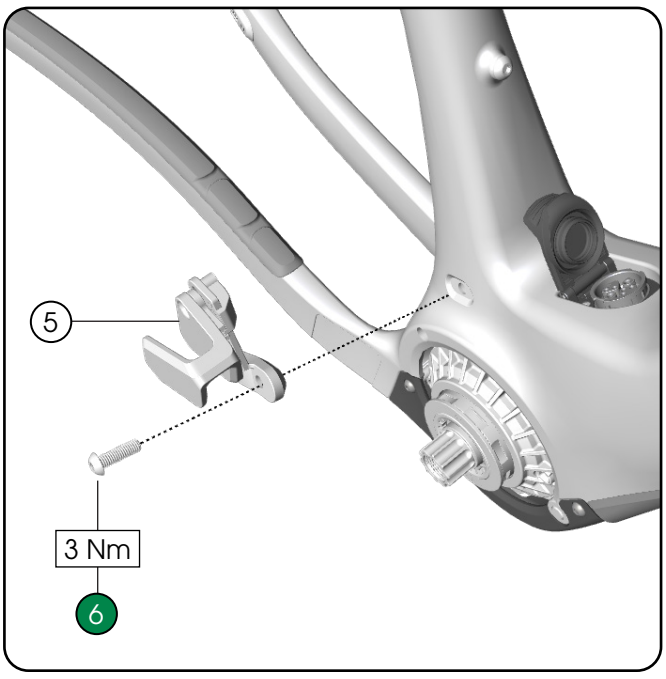


— *5328801*

5 Chainkeeper
for Australia and New Zealand — *W5331540*

6 Fastener (M5 x 16 mm)





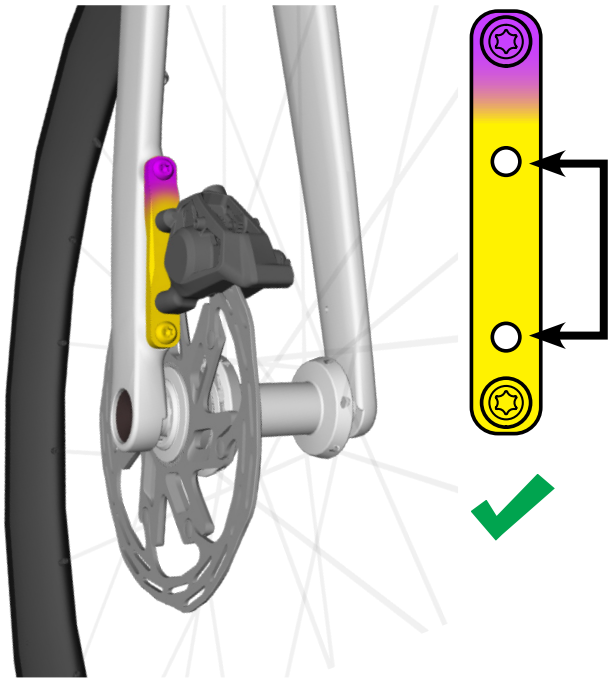
Front brake mount adapter

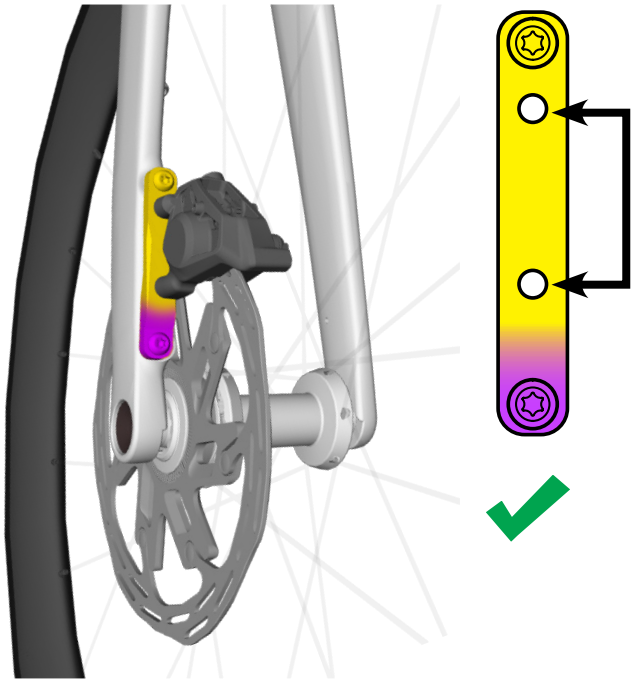
WARNING

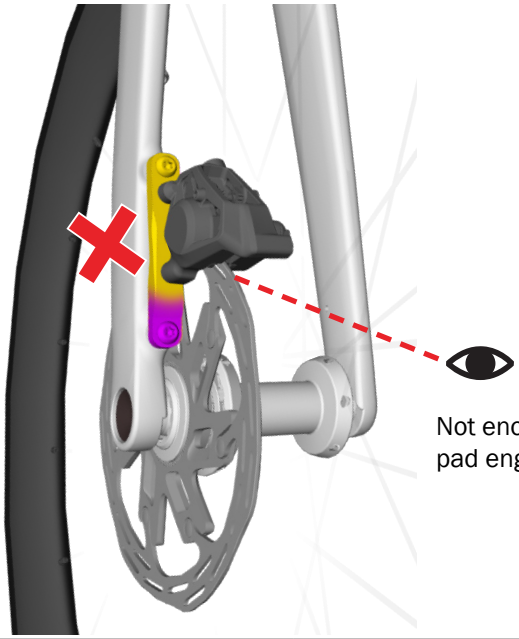
Risk of injury or death due to incorrect brake mounting

Correctly orient the brake mount adapter so that the brake pads align fully with rotor. Improper installation of brake mount adapter can result in brake failure, loss of control, and injury or death.

Front	160 mm rotor	180 mm rotor

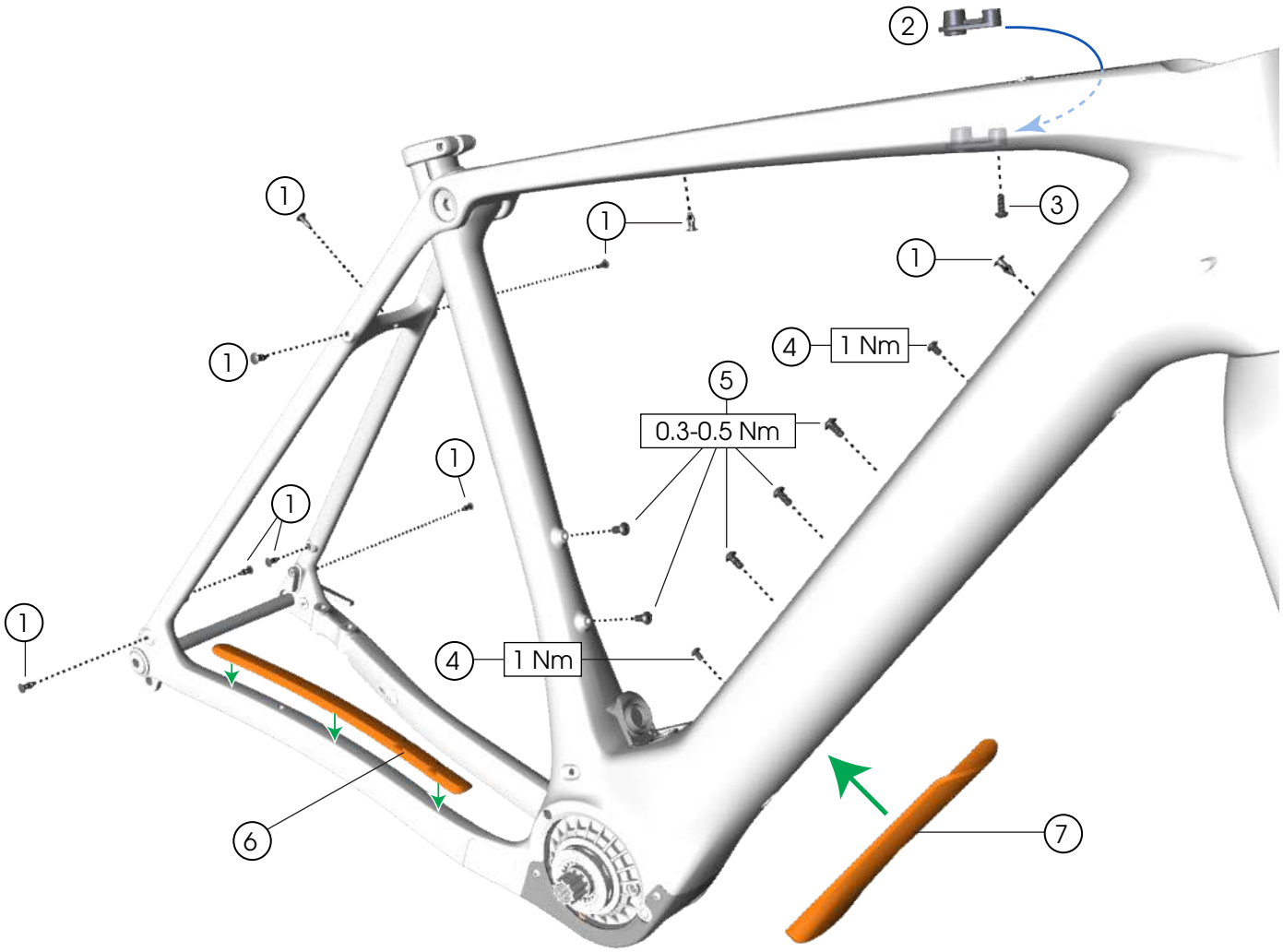


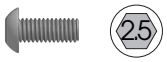
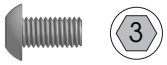


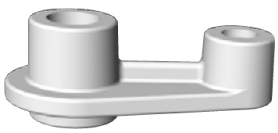


Not enough brake pad engagement

Frame mounts and guards



1. Press-in plugs — *W308963*
2. Top tube bag mount — *W5328277**
3. Fasteners (M4 x 10 mm) — *W1052364* 
4. Fasteners (M4 x 6 mm) — *W575056* 
5. Fasteners (M5 x 10 mm) — *5332051* 
6. Chainstay guard — *W5316540*
7. Down tube guard — *W5329703*

2 

**Top tube bag mount is not compatible with XS or S frame.*

Install a new guard

1. Clean the mating surface on the frame with 50/50 isopropyl alcohol mix.
2. Remove the adhesive backing and attach guard to the surface.

Reinstall a guard

1. Clean the mating surface on the frame with 50/50 isopropyl alcohol mix.
2. Attach the guard with a two-part epoxy.

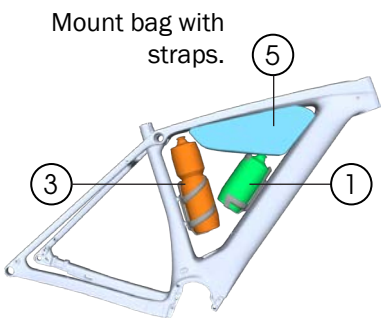
   TIP: Wrap masking tape around the guard and the frame to hold it in place while the epoxy cures.
3. Allow the epoxy to cure for 24 hours (or according to manufacturer's specifications).

Bottles and bags

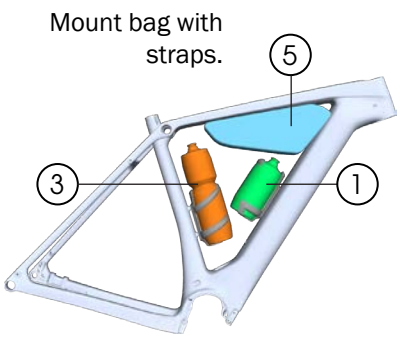
NOTE: Triangle bags, bottles, and bottle cages are sold aftermarket.

The charts below show the largest bottles you can fit on each frame size with the bag installed.

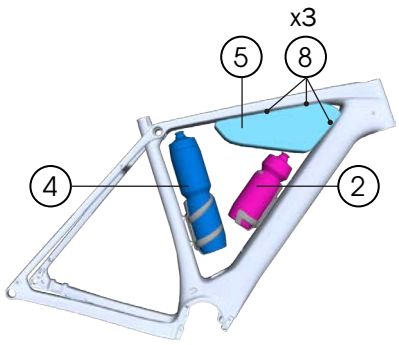
XS



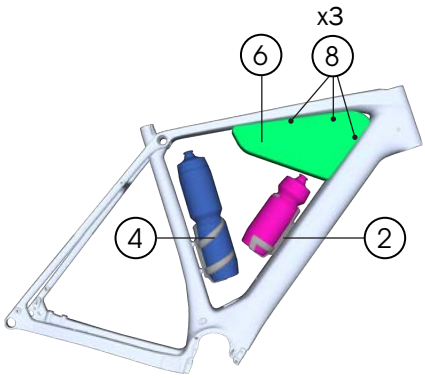
S



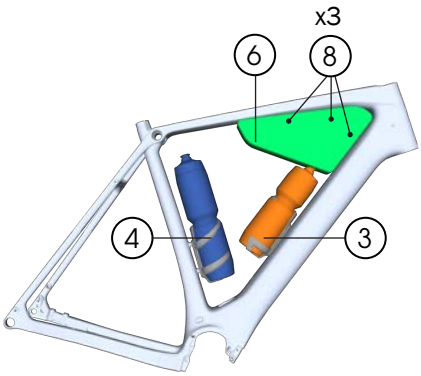
M



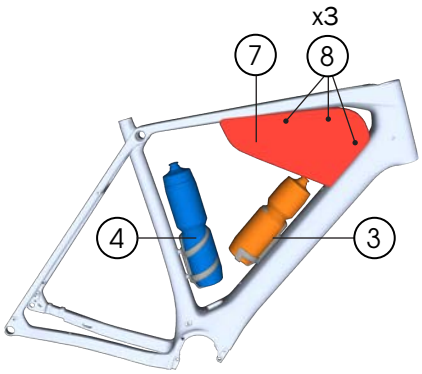
M-L



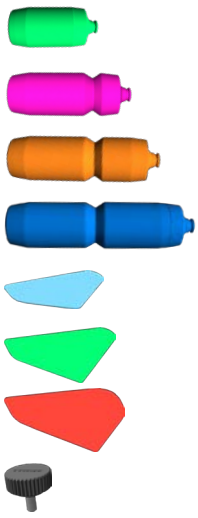
L



XL

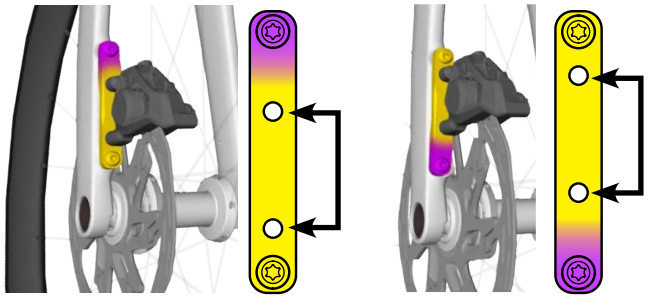


1. 15 oz (444 ml) bottle
2. 21 oz (621 ml) bottle
3. 26 oz (769 ml) bottle
4. 34 oz (1006 ml) bottle
5. Triangle bag, Small (1 L) — *5323152*
6. Triangle bag, Medium (1.3 L) — *5323153*
7. Triangle bag, Large (1.6 L) — *5323154*
8. Thumb screws — *5324792*



Specifications

Frame

		Checkpoint+ SL
Rear hub OLD		142 mm
Front hub OLD		100 mm
Upper fork steerer tube OD		28.6 mm
Lower fork steerer tube OD		38.8 mm
Brake rotor diameter min/max	**Front**	160/180 mm
 **160 mm** **180 mm**		
Brake rotor diameter min/max	**Rear**	160/180 mm
Tire width max 700c	**With fenders**	42c
	Without fenders	50c on 25 mm rim
Fender compatible	**Front**	Yes
	Rear	Yes

Chainline/chainring

Chainline	Min chainring teeth (T)	Max chainring teeth (T)
	Single (1x)	
49 mm	38T	44T