

SOLOIST RETAILER ASSEMBLY MANUAL

cervélo

velo

TABLE OF CONTENTS

Important Information	1	Seatpost Assembly	19
List of Tools & Supplies.	2	Seatpost Cutting Instructions	20
Soloist Parts List.	3	Di2 Battery Installation.	21
Small Parts	4	Tire/Rim Clearance.	22
AB07 Handlebar	6	Aero Thru-Axle Installation	23
ST36 Stem	7	Intended Use of The Soloist Bicycle	25
Frame & Component Preparation	8	Soloist Torque Specifications.	27
Fork Preparation & Installation	11	Soloist Frame Details	28
Brake Hose Routing.	13	Soloist Frame Geometry.	29
Electric Wire Routing & Installation.	15	Cervélo Customer Support.	30
Mechanical Housing Routing & Installation	17		

IMPORTANT INFORMATION

This manual is intended to guide official Cervélo retailers through the assembly and adjustment of the Cervélo Soloist. This manual outlines the process and procedure associated with the installation of Cervélo components, as well as the routing of shifting and braking control lines only. Proprietary parts referenced in this manual are available only through Cervélo or its authorized distributors.

Failure to use the specified parts and follow these assembly instructions may result in loss of control while riding, and lead to serious injury. This manual is not intended to replace the assembly and service instruction provided by third-party component manufacturers, and assumes that the assembler is a trained, professional bicycle mechanic. See <https://www.probma.org/>

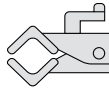
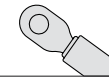
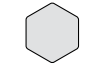


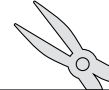

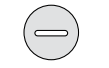
NOTE: Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer. If you are a Cervélo Soloist consumer/purchaser reading this manual we suggest that before attempting to undertake any of the procedures in this manual that you consult your authorized Cervélo retailer, or visit us at www.cervelo.com/support

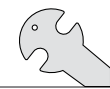


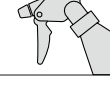
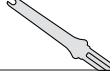
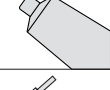
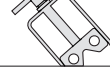

LIST OF TOOLS & SUPPLIES

This manual outlines a number of procedures for making adjustments to the Soloist bicycle. The following tools and parts listed are required for these adjustments. Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer.

NOTE: All non-proprietary components such as those from Shimano or SRAM are available from your local distributor.

NOTE: This manual was developed to compliment the Cervélo General User Manual, and is intended as a supplement to the assembly and installation instructions supplied by the component manufacturers (provided with this bicycle).

Tools	
	Bicycle workstand (types which secure bike by the seatpost, or pro-type stand with fork mount)
	Torque wrench(es) with 2.5Nm to 15Nm range and adaptors:
	Allen (Hex) head inserts: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
	Open ended wrenches: 7mm, 8mm, 10mm, 17mm
	Cable cutters
	Pliers
	Phillips-head screwdriver
	Slot-head screwdriver

Tools	
	Pedal wrench
	Brake rotor lockring tools
	Hydraulic bleed kit
	Isopropyl alcohol
	Di2 wire tool – Shimano
	Good quality bicycle grease & carbon assembly compound
	Saw cutting guide (Park Tool SG-72 or equivalent)
	Hacksaw (with carbon and aluminum specific blades)

SOLOIST PARTS LIST

Item Description	Cervélo Part No.
Soloist Seatpost Clamp Assembly	SPC-STA
Soloist Seatpost Clamp Cover	SPCC-STA
Front Derailleur Mount w/Fixing Screws	FDM-0E0
FDM Blanking Plate	FDM-CVR
Rear Derailleur Hanger w/Fixing Nut	DRH-WMN112
Shimano Direct Mount RDH w/Fixing Nut	DRH-SDM
Threaded Fork Insert w/Fixing Screw	QRI-THD
Disc Brake Hose Guide	CBG-DBH
BB Blanking Plug	GR-BB-140
6mm Blanking Plug for Front & Rear Derailleur	GR-576

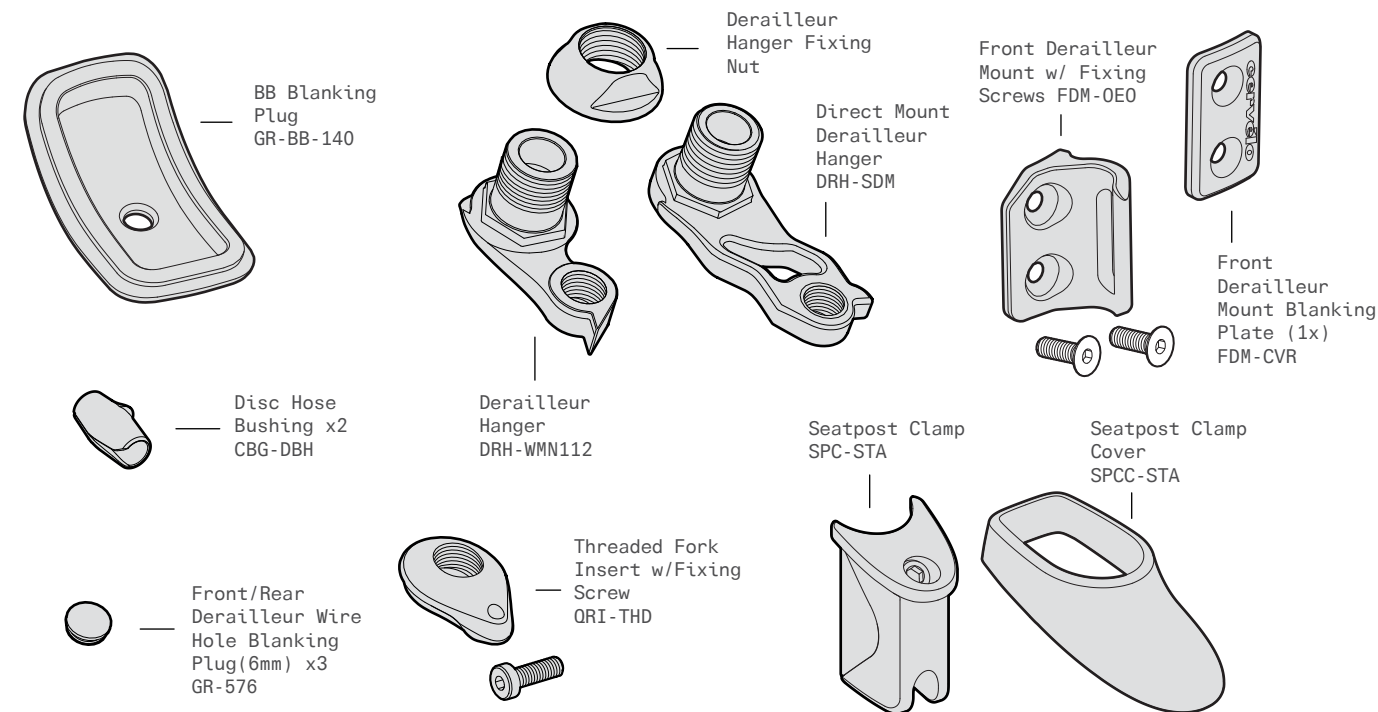
* Available aftermarket only, compatible with electronic groupsets only

Item Description	Cervélo Part No.
Soloist Headset Bearing Cap Kit (14mm & 30mm)	BC-STA
Soloist Headset Bearing Cap Kit (8mm)*	BC-STA-644
Soloist Headset Split Ring	SR-STA
AB07 Handlebar	see page 6
ST36 Stem	see page 7
ST36 Cable Guide	MT-597
SP27 Carbon Post 0mm Offset w/Head	SP-SP27-ZERO
SP27 Carbon Post 15mm Offset w/Head	SP-SP27-15MM
SP27 Seatpost Battery Mount Holder	BTM-596

Item Description	Cervélo Part No.
Soloist Chainstay Protector	PRO-CS-ASP
Cervélo Front Aero Thru Axle w/ Removable Handle	QRA-AERO2-F
Cervélo Rear Aero Thru Axle w/Removable Handle	QRA-AERO2-R
Removable Handle for Cervélo Aero Thru Axle	QRA-AERO2-HNDL
Accessory Mount-Front	MT-LM-F-004
Accessory Mount-Rear	MT-LM-R-003
D-Shaped Compression Plug	FKI-CL005-517A

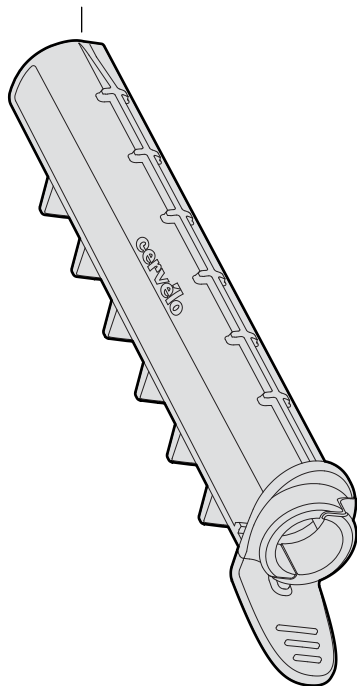
SMALL PARTS

The Soloist frame is engineered to provide seamless integration of mechanical and electronic shifting systems, regardless of brand. In order to do so, you may require the parts shown below:

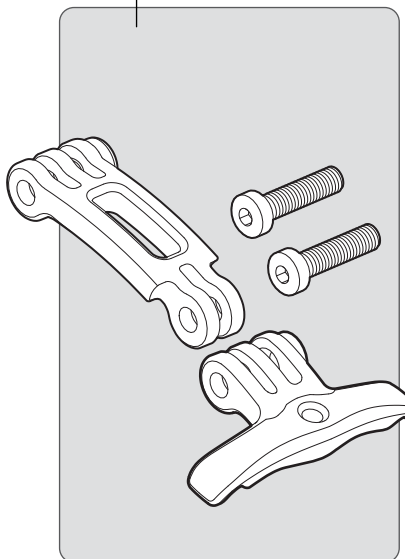


SMALL PARTS

SP27 Seatpost
Battery Mount
BTM-596

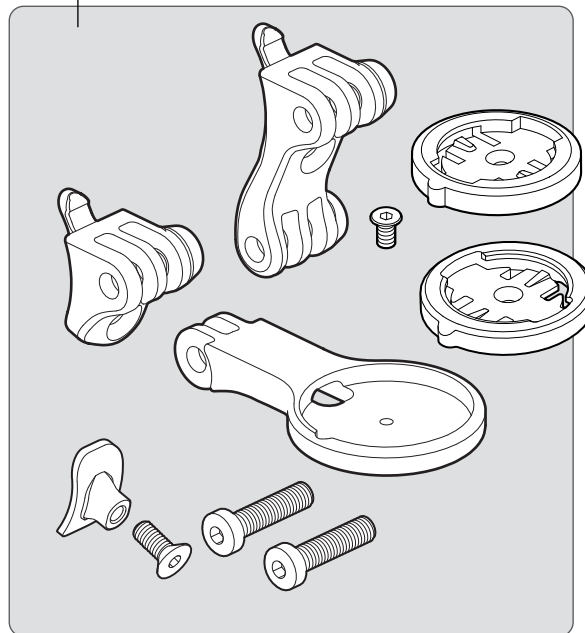


Accessory Mount
Kit-Rear
MT-LM-R-003



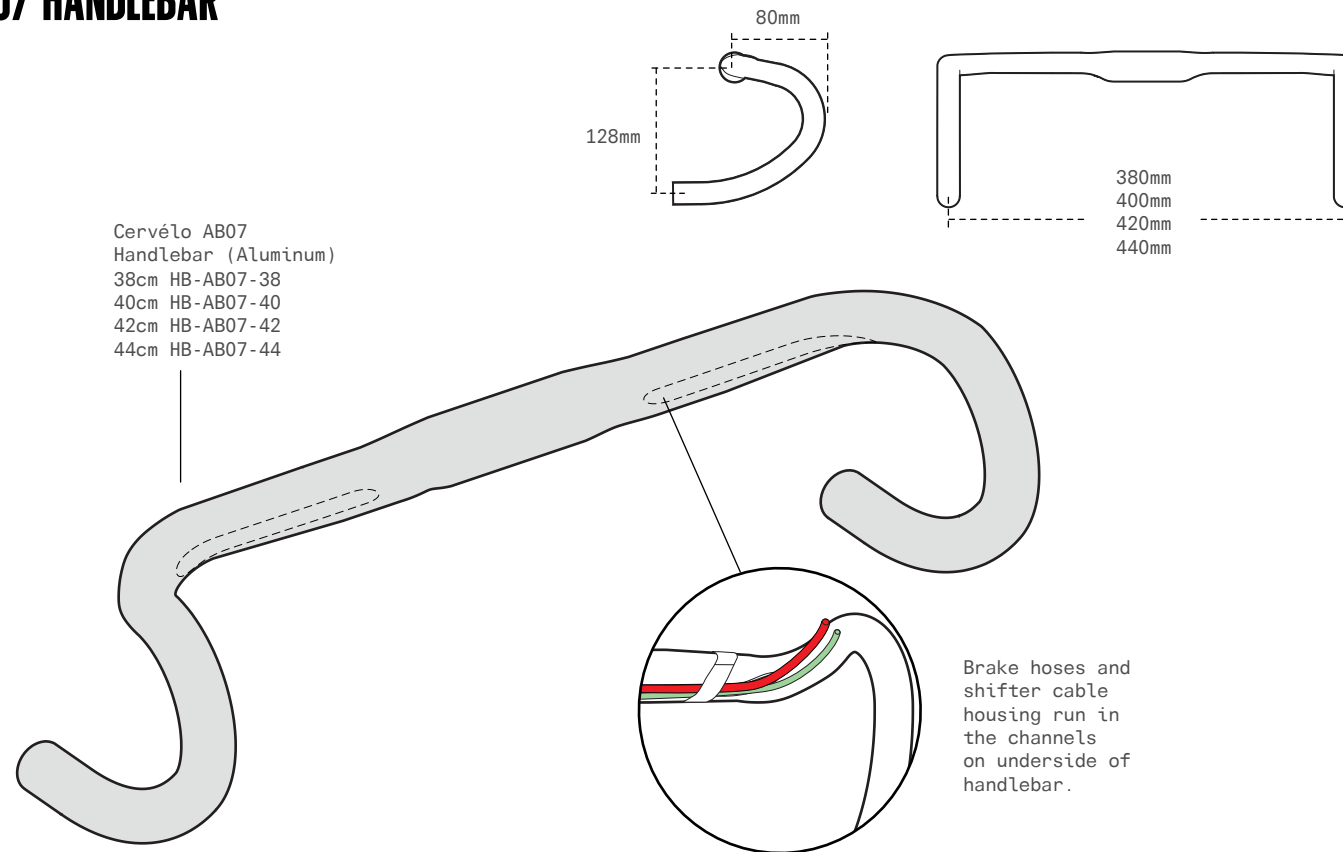
See page 10 for mounting instructions.

Accessory Mount
Kit-Front
MT-LM-F-004



AB07 HANDLEBAR

Cervélo AB07
Handlebar (Aluminum)
38cm HB-AB07-38
40cm HB-AB07-40
42cm HB-AB07-42
44cm HB-AB07-44



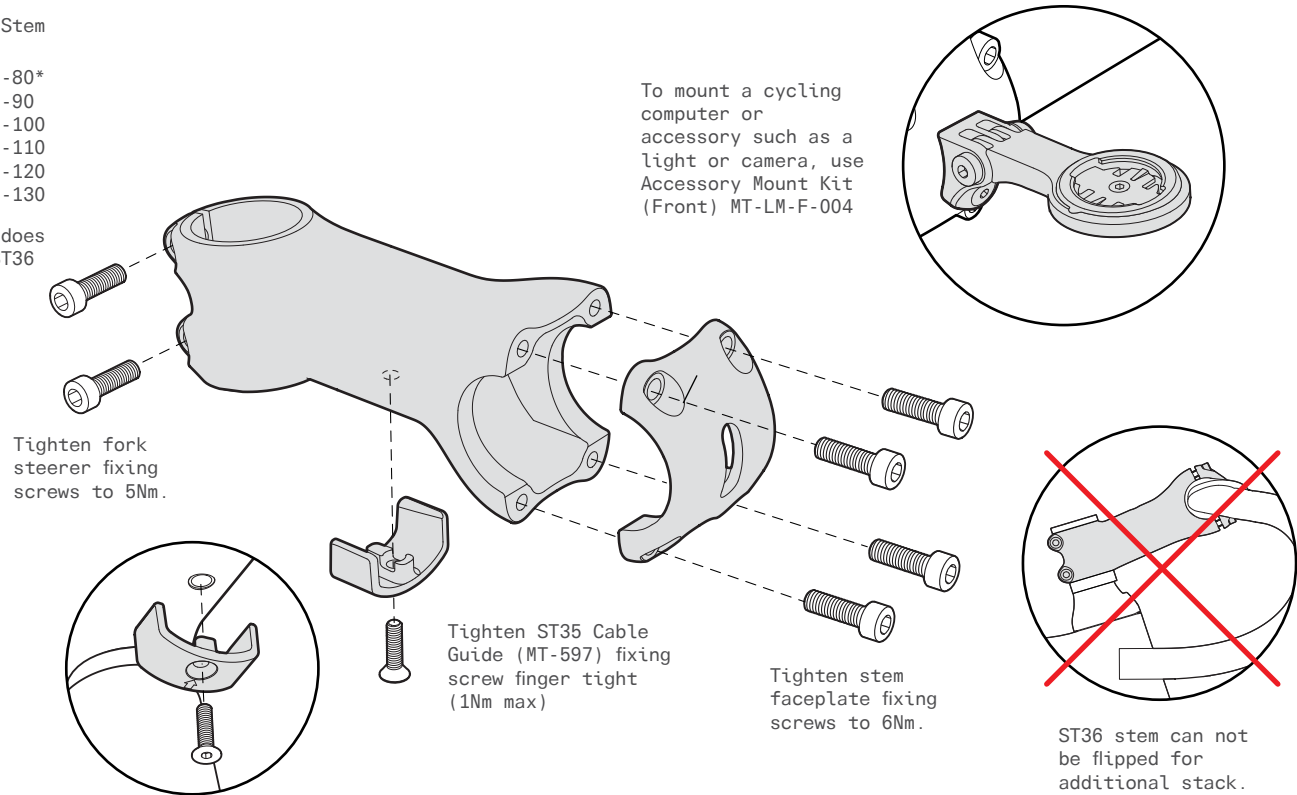
Brake hoses and
shifter cable
housing run in
the channels
on underside of
handlebar.

ST36 STEM

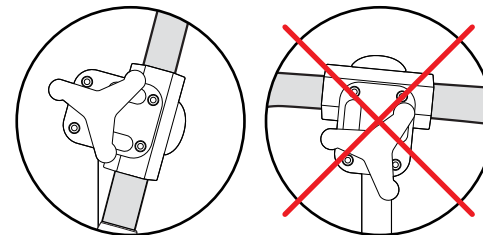
Cervélo ST36 Stem
(Aluminum)

- 80mm ST-A027-80*
- 90mm ST-A036-90
- 100mm ST-A036-100
- 110mm ST-A036-110
- 120mm ST-A036-120
- 130mm ST-A036-130

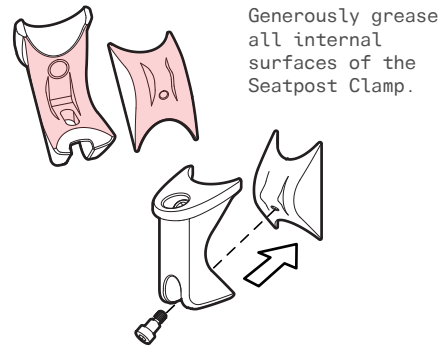
*80mm version does not include ST36 Cable Guide.



FRAME & COMPONENT PREPARATION

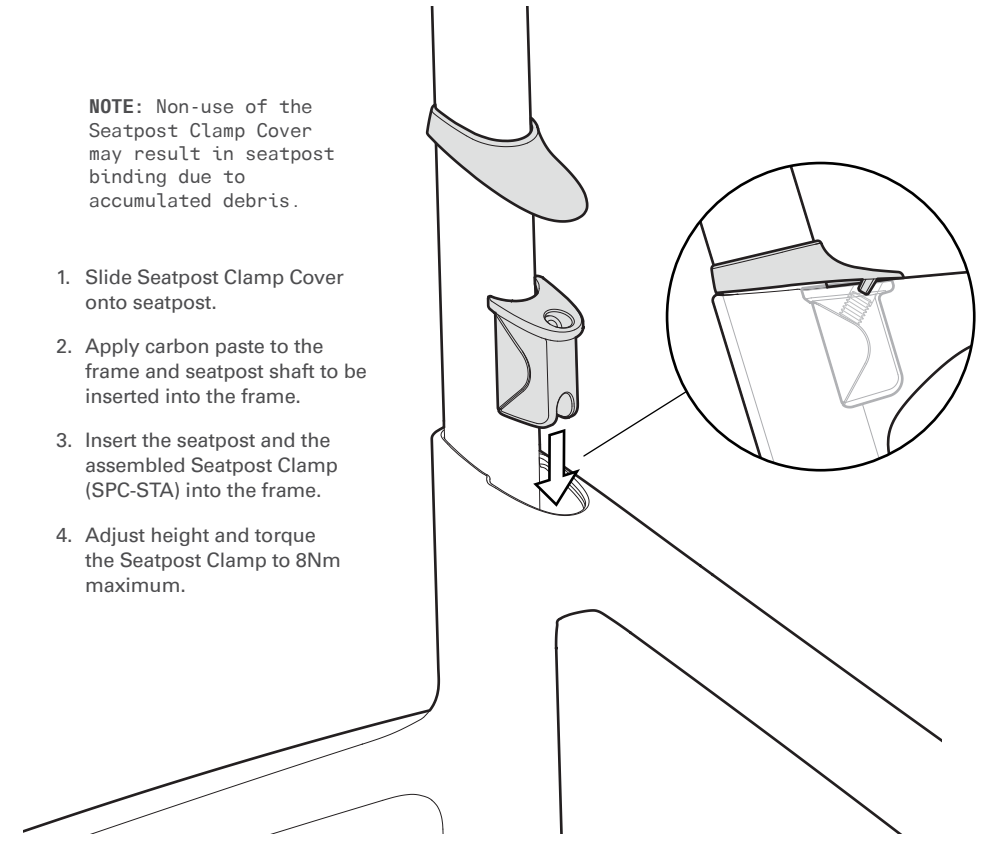


⚠ WARNING
Hold the frame using a secured seatpost only. Clamping the top tube can damage the frame and void your warranty.

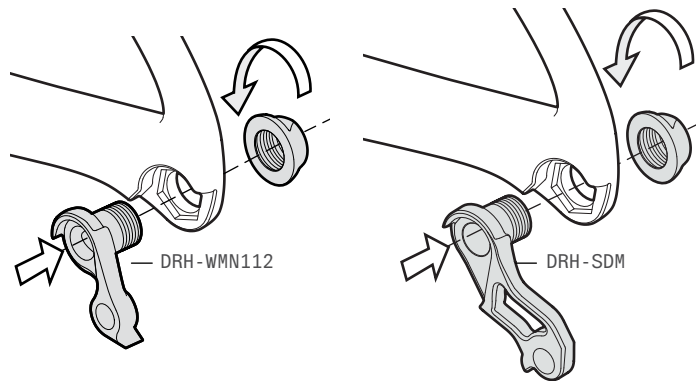


NOTE: Non-use of the Seatpost Clamp Cover may result in seatpost binding due to accumulated debris.

1. Slide Seatpost Clamp Cover onto seatpost.
2. Apply carbon paste to the frame and seatpost shaft to be inserted into the frame.
3. Insert the seatpost and the assembled Seatpost Clamp (SPC-STA) into the frame.
4. Adjust height and torque the Seatpost Clamp to 8Nm maximum.



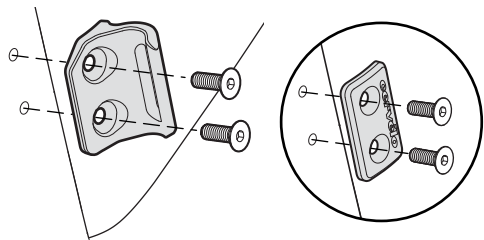
FRAME & COMPONENT PREPARATION



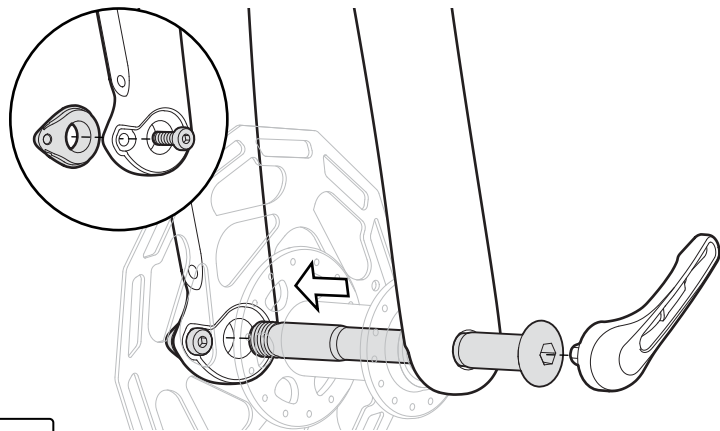
Lightly grease Rear Derailleur Hanger Fixing Nut and install either Rear Derailleur Hanger (DRH-WMN112) or Direct Mount Rear Derailleur Hanger (DRH-SDM) finger tight. Final tightening will be performed after rear wheel installation.

⚠ WARNING
Do not final tighten rear derailleur hanger assembly without rear wheel installed. Doing so may result in a misaligned derailleur and poor shifting.

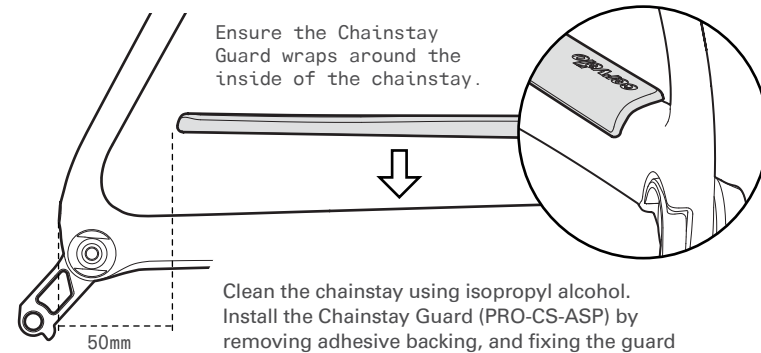
Install Front Derailleur Mount (FDM-OE0), and ensure fixing screws are torqued to 3Nm.



For 1x systems replace with the Front Derailleur Mount Blanking Plate (FDM-CVR).



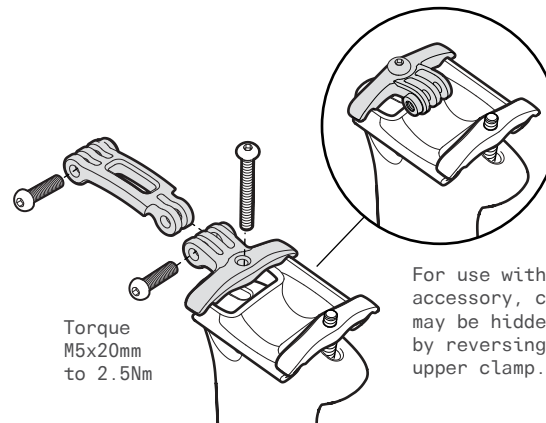
1. Lightly grease supplied M4 fixing screw. Install the Threaded Fork Insert (QRI-THD) and fixing screw, tightening only lightly.
2. Without wheel in place, install the axle and tighten until the flange meets the fork dropout face, but does not compress the fork blades.
3. Tighten the fixing screw to 3Nm.
4. Remove the axle and install wheel. Reinstall axle and tighten to 12-15Nm.
5. Remove axle and wheel, and re-torque the fixing screw to 3Nm.



Ensure the Chainstay Guard wraps around the inside of the chainstay.

Clean the chainstay using isopropyl alcohol. Install the Chainstay Guard (PRO-CS-ASP) by removing adhesive backing, and fixing the guard to the frame. The bottom rearward edge should be approximately 50mm forward from the back of the rear dropout.

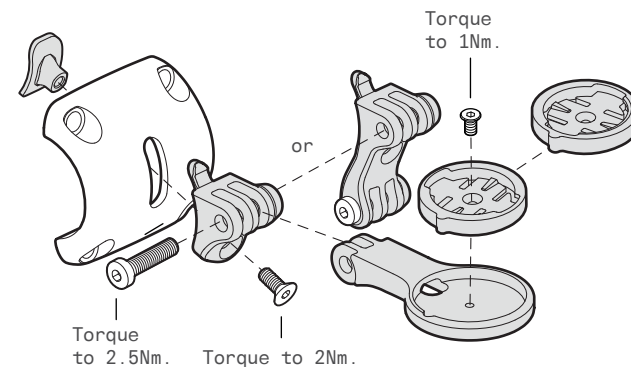
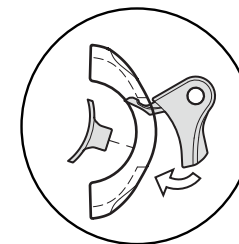
To install Accessory Mount- Rear (MT-LM-R-003), replace the rear upper clamp of the seatpost with the kit version. Tighten to maximum 8Nm.



Torque M5x20mm to 2.5Nm

For use without accessory, clip may be hidden, by reversing the upper clamp.

To install Accessory Mount- Front (MT-LM-F-004), angle mount into ST36 stem faceplate and torque to 2Nm.



Torque to 2.5Nm.

Torque to 2Nm.

Torque to 1Nm.

Accessory Mount includes inserts for Garmin & Wahoo computers.

FORK PREPARATION & INSTALLATION

1. Apply grease to the bearing pockets and install the upper and lower headset bearings into the frame.
2. Fit the fork provided with your frame into the head tube with the complete headset, required spacers, and the stem.
3. Apply the minimum pressure needed to ensure the assembly is fully seated. Mark the steerer tube at the top of the stem.
4. Remove fork and clearly mark the fork steerer tube at a point 4mm below the first mark. Take care to verify that this measurement is correct as this defines the cut line for the steerer tube.
5. To trim fork steerer, use only a saw suitable for cutting carbon, and a cutting guide.
6. Insert D-Shaped Compression Plug and tighten to hold in place. Do not apply final torque until after the stem is installed.
7. Place Lower Bearing over the fork steerer and insert into the frame from the bottom of the head tube.
8. Install over the steerer in order: Upper Bearing, Split Ring, Bearing Top Cap, Spacers, and Stem. Do not install the Stem Top Cap.
9. Tighten the Compression Plug to 8Nm using a torque wrench.

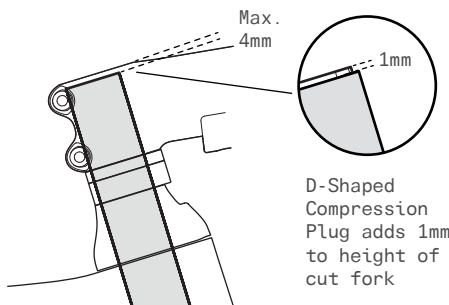
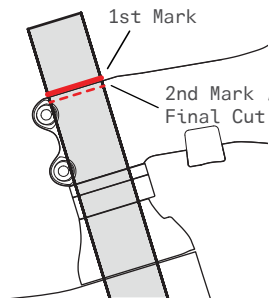
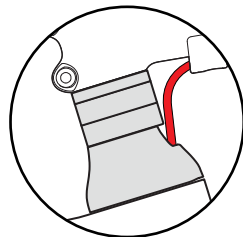
10. Install the Stem Top Cap and Preload Fixing Screw into the stem. Tighten the Preload screw only enough to remove all play from the headset, and ensure the bearings rotate freely (typically 1 to 2Nm).

11. Tighten the stem to fork fixing screws to 5Nm maximum.

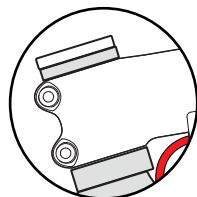
⚠ WARNING
Avoid breathing the dust created during cutting carbon composite materials.

⚠ WARNING
Improper cutting of the steerer tube could cause a failure that may result in severe injury or death.

⚠ WARNING
Do not exceed 52mm maximum total spacer height, including the Bearing Top Cap.

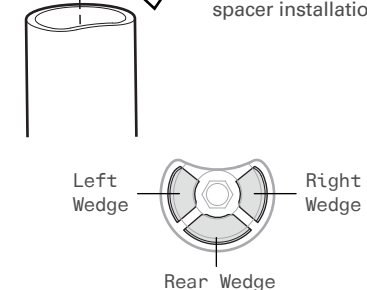


⚠ CAUTION
Do not exceed 5mm total spacers above the stem.

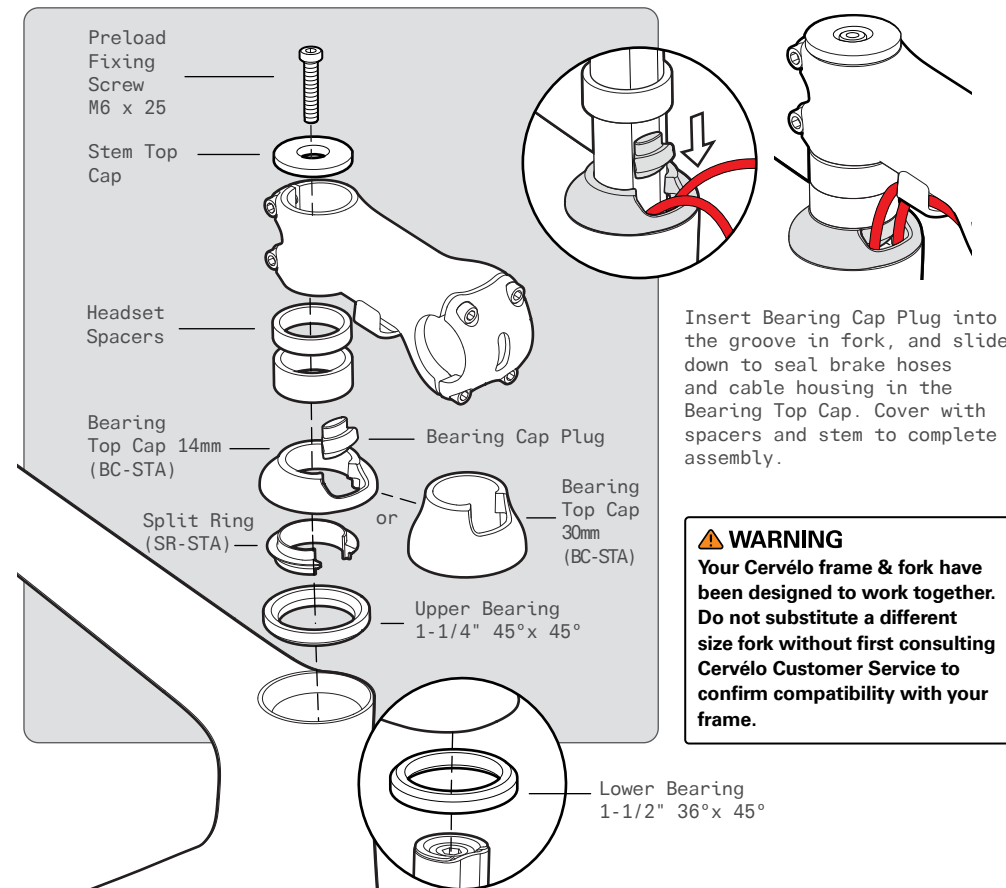


⚠ WARNING
Do not torque Compression Plug past the recommended 8Nm maximum. If the Compression Plug requires tightening past 8Nm, please contact Cervélo Customer Service.

Install D-Shaped Compression Plug (FKI-CL005-517A) in fork steerer and lightly tighten. Apply rated torque of 8Nm following stem and spacer installation.



⚠ CAUTION
The component parts of the compression plug are side-specific. Re-assembling parts incorrectly may result in loss of preload in the system. Refer to the images shown for correct assembly.



Insert Bearing Cap Plug into the groove in fork, and slide down to seal brake hoses and cable housing in the Bearing Top Cap. Cover with spacers and stem to complete assembly.

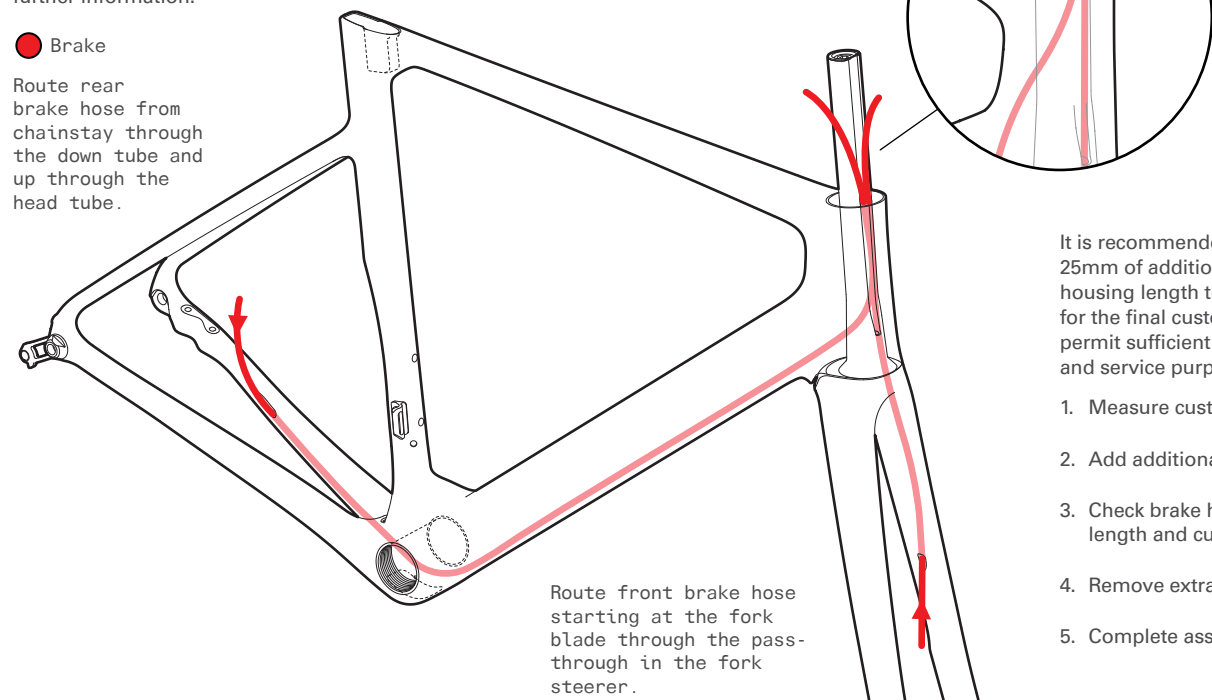
⚠ WARNING
Your Cervélo frame & fork have been designed to work together. Do not substitute a different size fork without first consulting Cervélo Customer Service to confirm compatibility with your frame.

BRAKE HOSE ROUTING

These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. For both hydraulic and mechanical disc brakes, please refer to the component manufacturer's service center or website for further information.

● Brake

Route rear brake hose from chainstay through the down tube and up through the head tube.



Route rear brake hose around drive side of fork inside head tube.

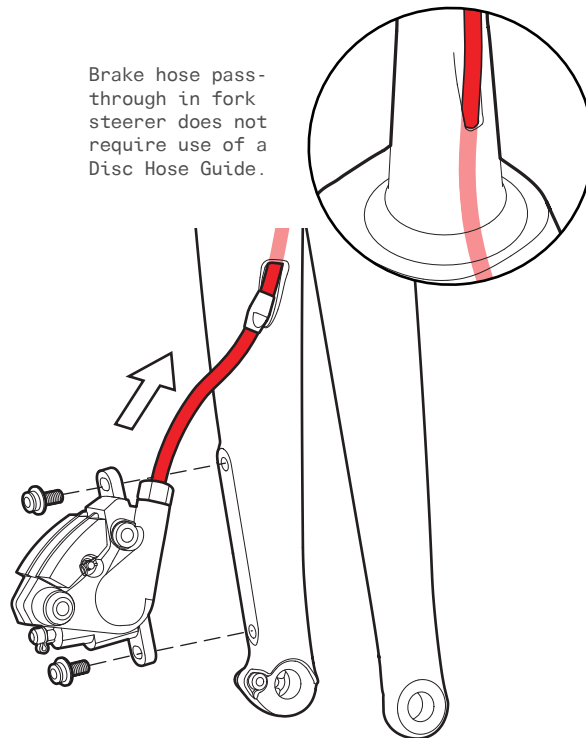
Route front brake hose starting at the fork blade through the pass-through in the fork steerer.

It is recommended to include 20mm-25mm of additional brake hose/cable housing length to the amount required for the final customer fit. Doing so will permit sufficient length for disassembly and service purposes.

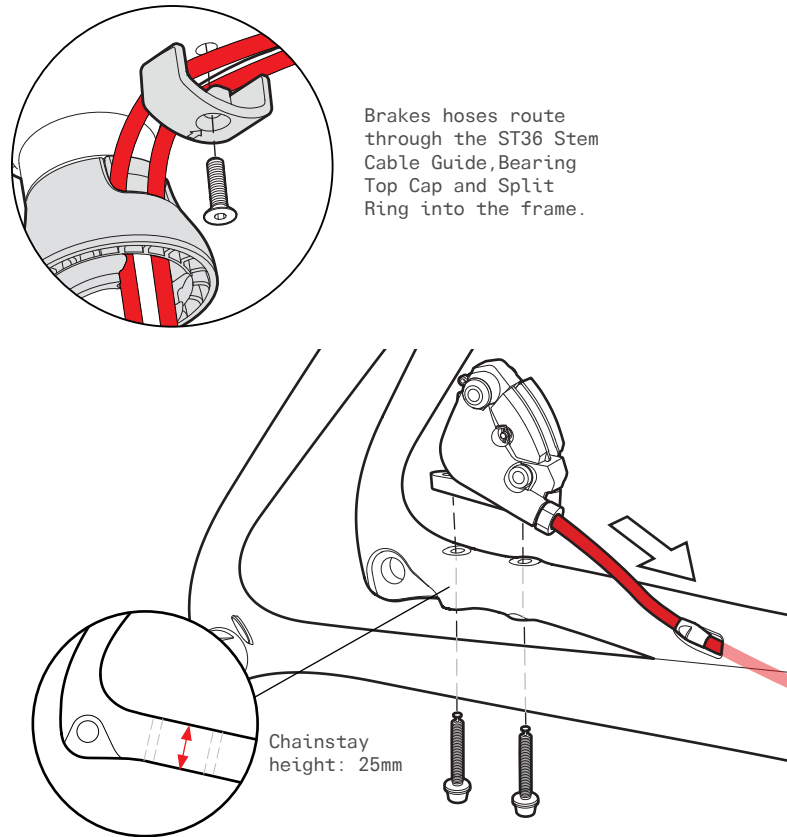
1. Measure customer fit
2. Add additional 20-25mm of spacers
3. Check brake hose/cable housing length and cut.
4. Remove extra spacers
5. Complete assembly

Route hydraulic brake hose through the frame and fork with the Disc Hose Guide (CBG-DBH). Install and adjust calipers as per manufacturer's instructions.

Brake hose pass-through in fork steerer does not require use of a Disc Hose Guide.



Brakes hoses route through the ST36 Stem Cable Guide, Bearing Top Cap and Split Ring into the frame.

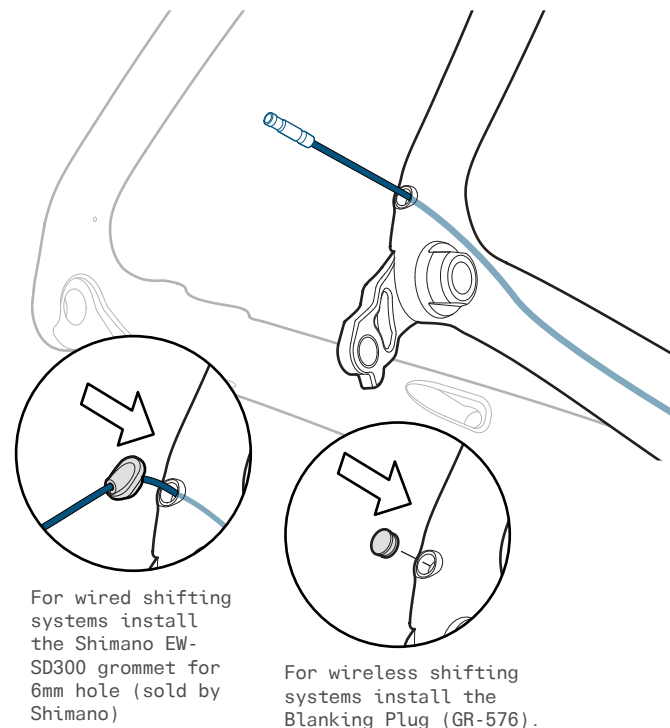
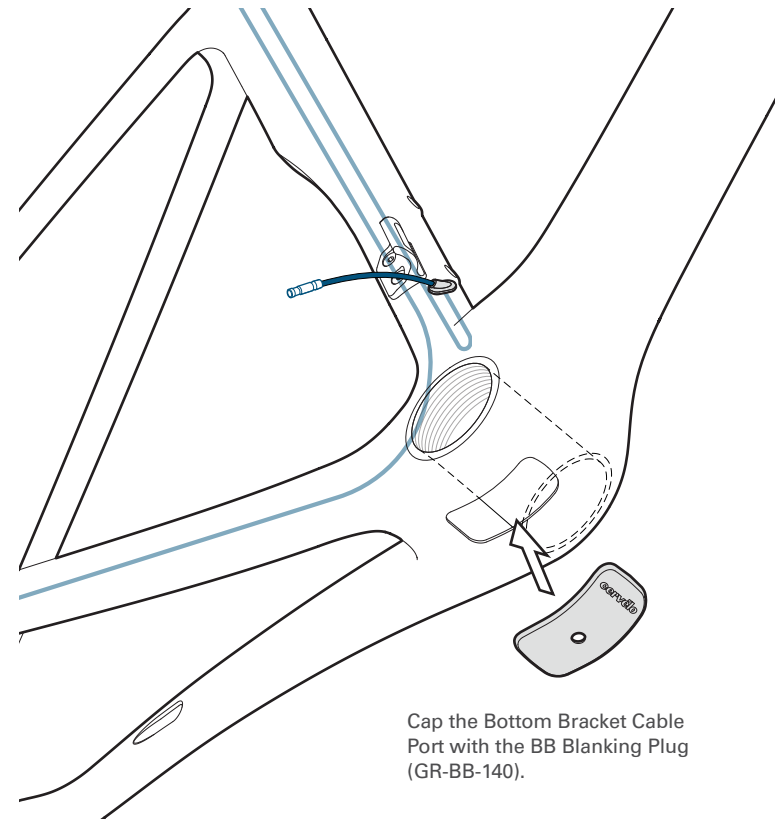
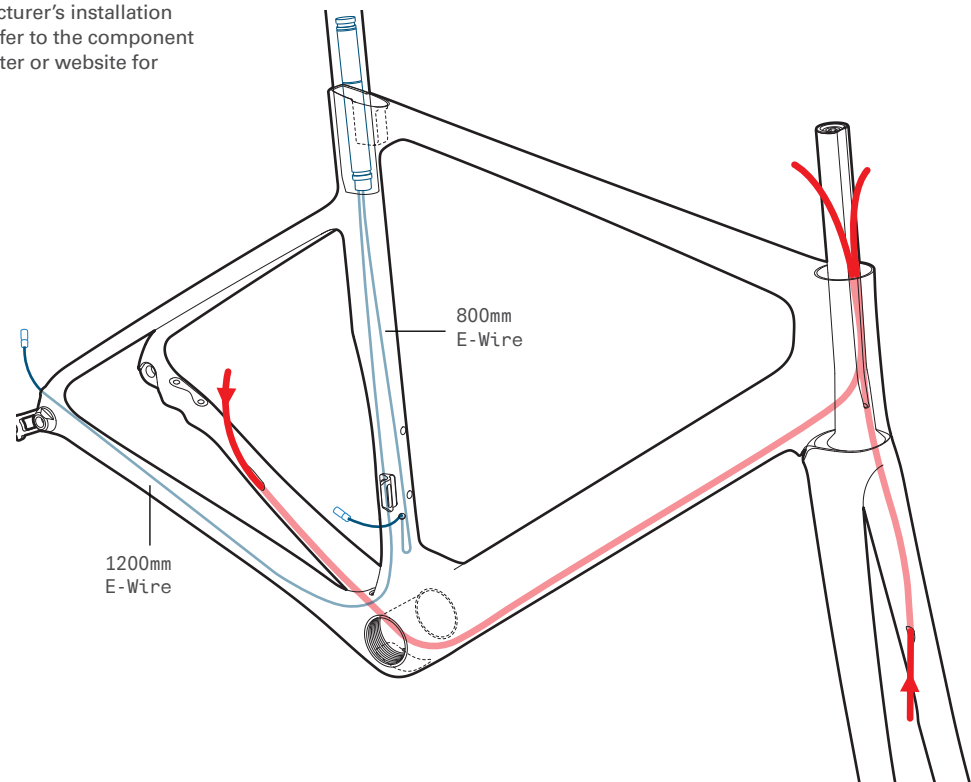


Chainstay height: 25mm

ELECTRIC WIRE ROUTING & INSTALLATION

These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further information.

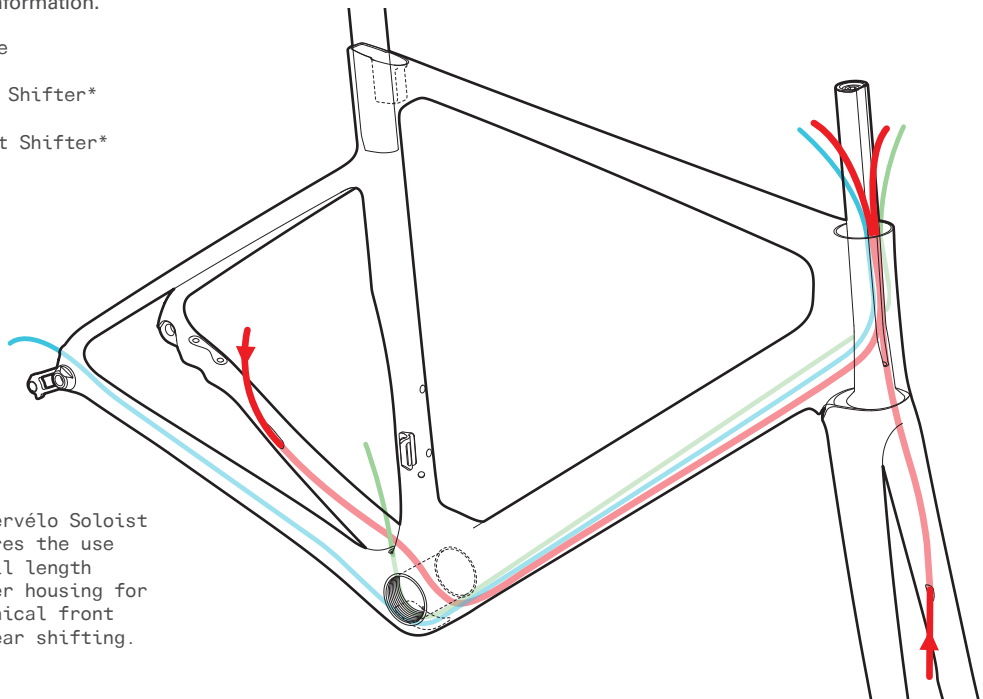
- Brake
- E-Wire (SD300)



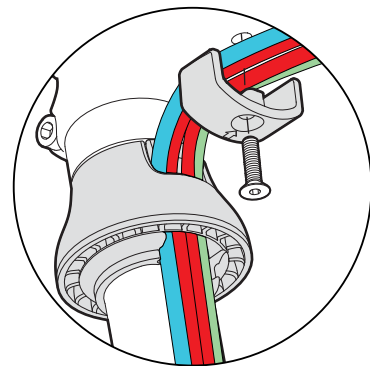
MECHANICAL HOUSING ROUTING & INSTALLATION

These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further information.

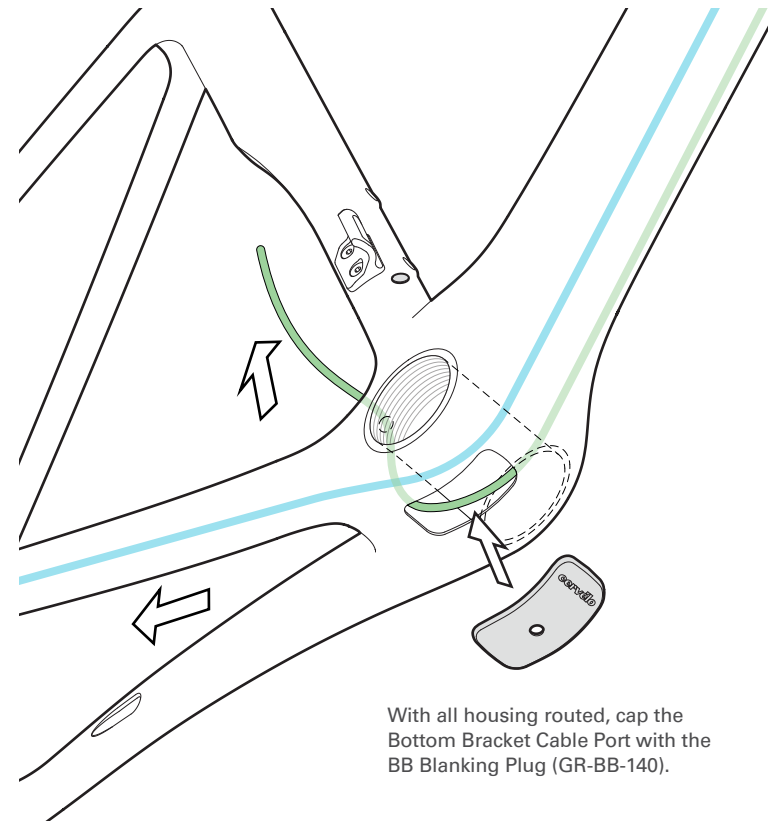
- Brake
- Rear Shifter*
- Front Shifter*



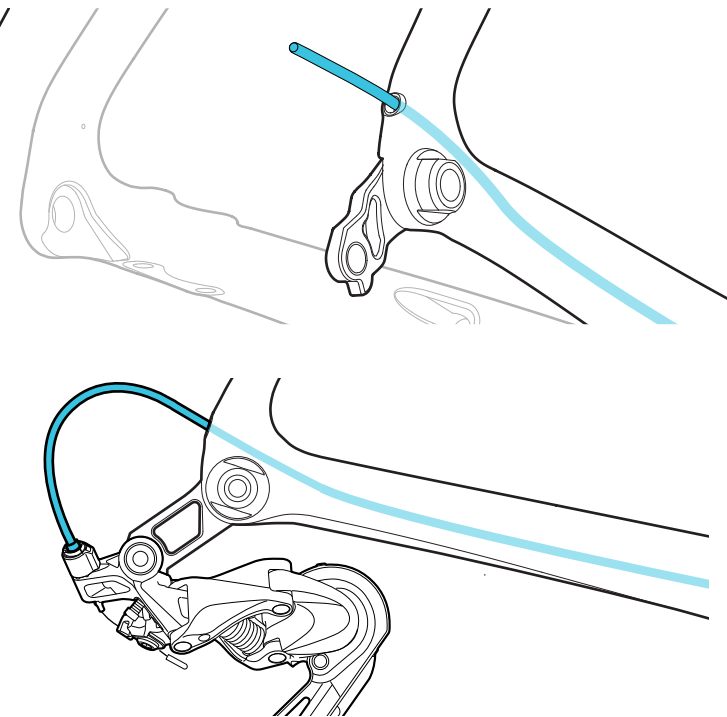
* The Cervélo Soloist requires the use of full length shifter housing for mechanical front and rear shifting.



Brakes hoses and shifter housing route through the ST36 Stem Cable Guide, Bearing Top Cap and Split Ring into the frame.



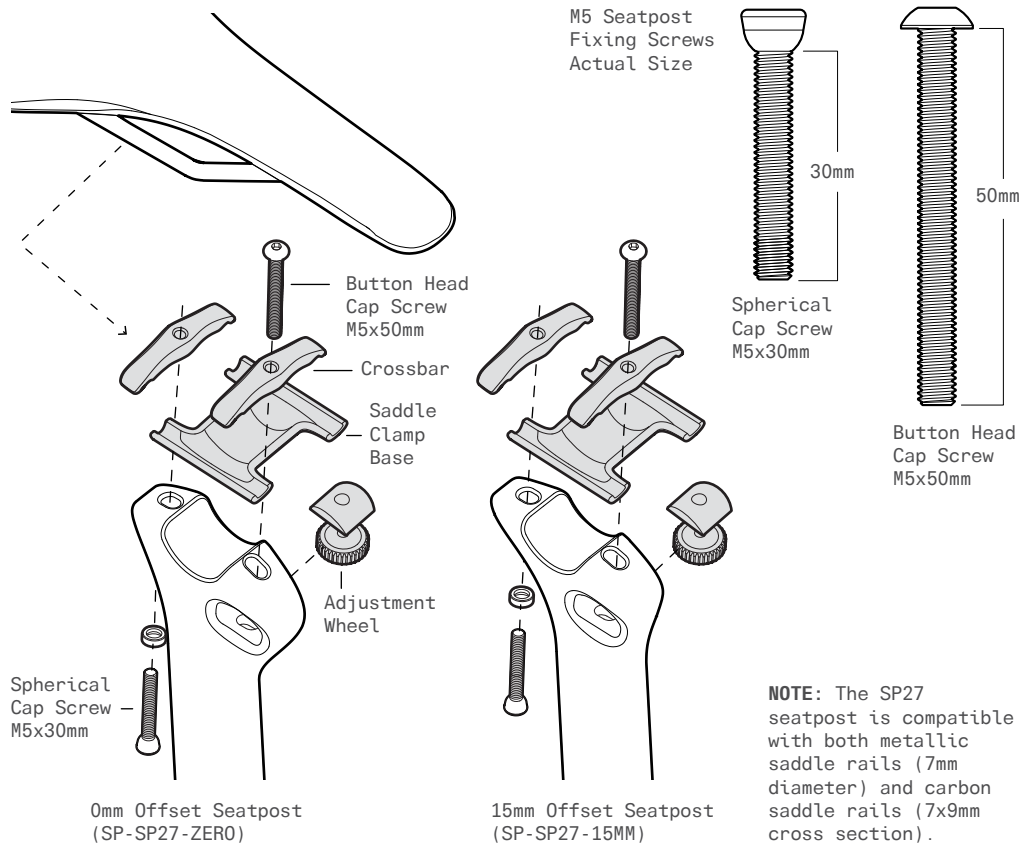
With all housing routed, cap the Bottom Bracket Cable Port with the BB Blanking Plug (GR-BB-140).



As per manufacturer's instructions, install rear derailleur on rear derailleur hanger, cut appropriate housing length, and attach cable.

SEATPOST ASSEMBLY

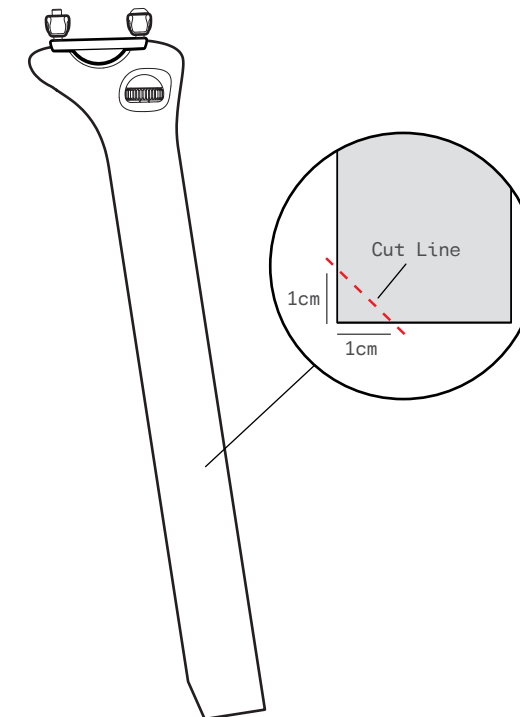
1. Ensure Loctite 242 is applied to threads below the head of the 50mm button head cap screw. Install crossbar on 50mm button head cap screw and tighten together.
2. Install the curved washer and adjustment wheel in the seatpost cutout.
3. Install the button head cap screw with crossbar installed, and turn the wheel until threads are engaged.
4. Install the spherical washer on the 30mm spherical cap screw, so that the concave face, mates with the convex surface of the screw.
5. Ensure Loctite 242 is applied to the lower threads of the 30mm spherical cap screw.
6. Install cross bar.
7. Apply light coat of carbon assembly compound to the radius on the upper face of the seatpost.
8. Install the lower saddle clamp base, as per the diagram.
9. Locate saddle rails between upper and lower clamping surfaces.
10. Establish desired saddle angle by first using adjustment wheel.
11. Tighten opposing angle adjusting screw to secure saddle at 8-9Nm.



SEATPOST CUTTING INSTRUCTIONS

Note: It is essential that all Cervélo Aero Seatposts have a 45 degree chamfer cut on the rear trailing edge of the post. If trimming is required after fitting, the following method is recommended.

1. Taking care to maintain the minimum required seatpost insertion of 6.5cm and maximum of 8.5cm, carefully measure and use a light colored grease pencil to accurately mark the cut-off location on the seatpost.
2. Insert the seatpost in the ParkTool SG-72 Saw Guide (or equivalent) so that the cut-off line can be seen clearly through the blade guide in the tool.
3. Using a blade designed specifically for cutting carbon composite materials (or a fine tooth blade with greater than 32 teeth per inch); proceed with cutting the Seatpost (as per ParkTool's instructions).
4. Use fine grit sandpaper to carefully remove any fraying or burring from the cut end. Reposition clamp approximately 10cm from the cut end.
5. With a grease pencil, mark a point 1cm from the cut end on the trailing edge of the Seatpost, and another 1cm from the back, on the bottom edge. Draw a line connecting them, forming a 45 degree guideline.
6. Placing the blade of your saw on the grease pencil mark, very carefully proceed to cut, resulting in a 45 degree chamfer being cut onto the trailing edge of the Seatpost.
7. Carefully sand the end and after applying carbon assembly compound, return to the frame.

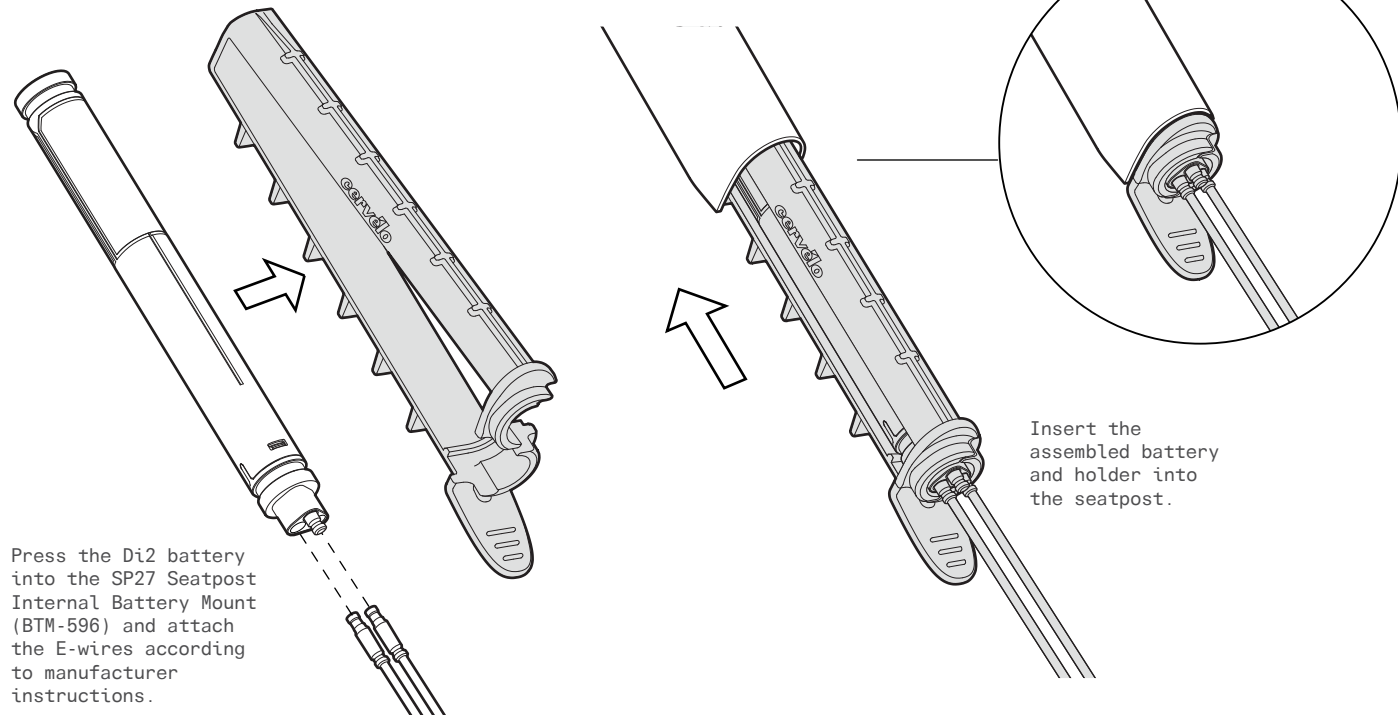


⚠ WARNING

If trimming is required, final length should allow for a minimum 6.5cm of seatpost remaining in the frame. Failure to meet this requirement, may result in damage to the frame not covered by warranty policy, or serious injury to rider.

DI2 BATTERY INSTALLATION

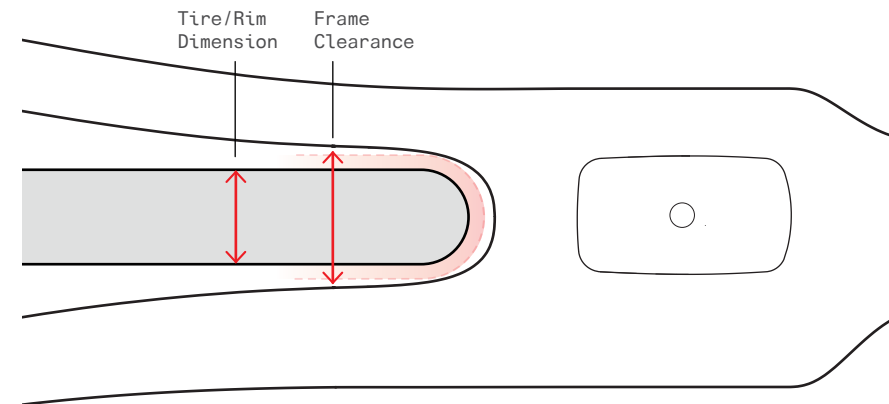
The battery for your Shimano Di2 system mounts inside the seat tube using the SP27 Seatpost Internal Battery Mount (BTM-596). As this is an enclosed location, it is important to test the system prior to final installation.



Press the Di2 battery into the SP27 Seatpost Internal Battery Mount (BTM-596) and attach the E-wires according to manufacturer instructions.

TIRE/RIM CLEARANCE

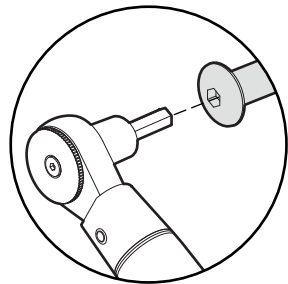
Your Cervélo bicycle complies with the ISO 4210-2:4.10.2 standard for tire clearance. In order to comply with these safety standards and maintain your Limited Lifetime Warranty, a minimum of 4mm of clearance must remain between the tire and any frame element. Due to the growing complexity of tire and rim interfaces, Cervélo recommends identifying the available space before choosing a tire.



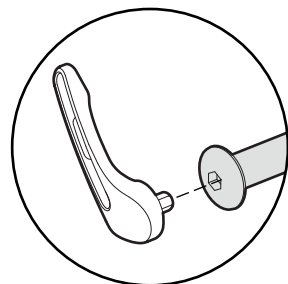
1. Measure the space between the chainstays at the bottom bracket junction.
2. Measure the space between the seatstays at the top of the tire.
3. Using the smaller of those two numbers (Frame Clearance), subtract 8mm (4mm per side) to determine the maximum Allowable Tire/Rim Dimension.
4. With the tire installed and fully inflated on your wheel, measure the greater of the rim or tire width and ensure it is less than the calculated Allowable Tire/Rim Dimension width to ensure that it fits.

⚠ WARNING
Contact between the tire or rim and the frame or fork may result in a loss of control while riding and potentially serious injury. Failure to follow these guidelines may result in damage to the frame not covered by Cervélo Limited Lifetime Warranty.

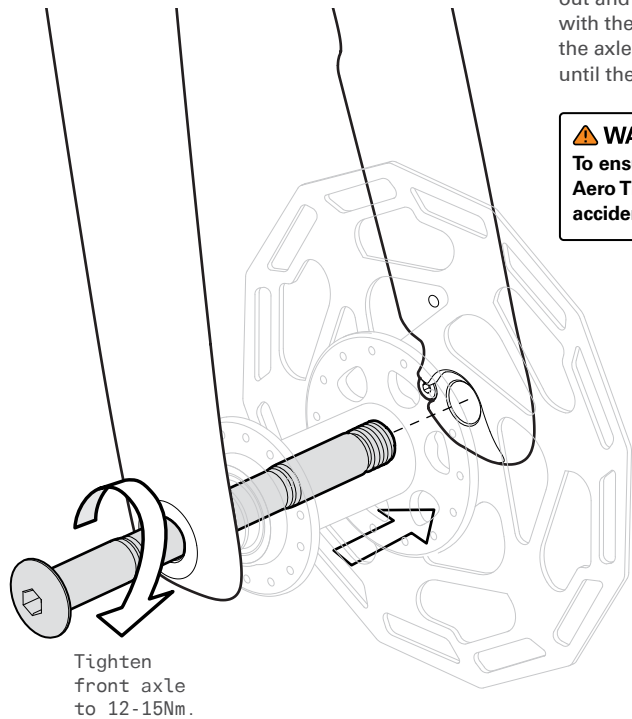
AERO THRU-AXLE INSTALLATION



6mm Allen key /
torque wrench
or



Cervélo Aero
Thru-Axle with
Removable Handle
(QRA-AERO2-F &
QRA-AERO2-R)

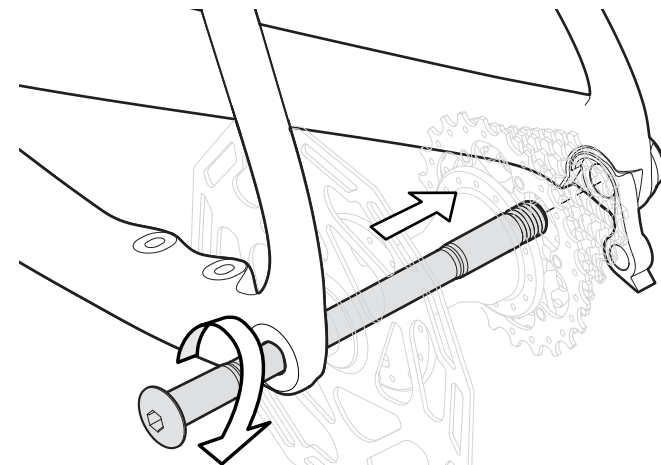
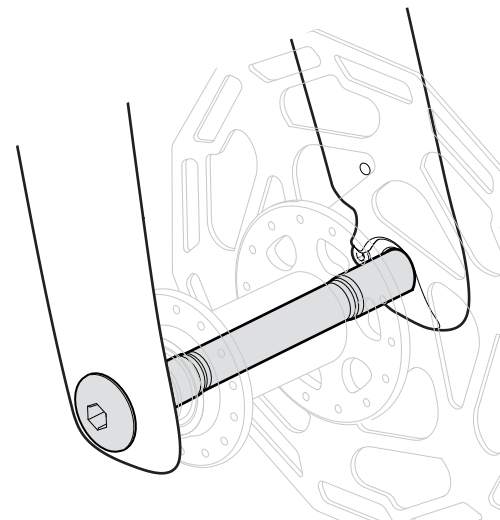


Tighten
front axle
to 12-15Nm.

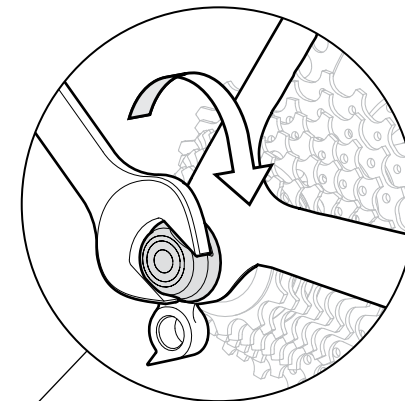
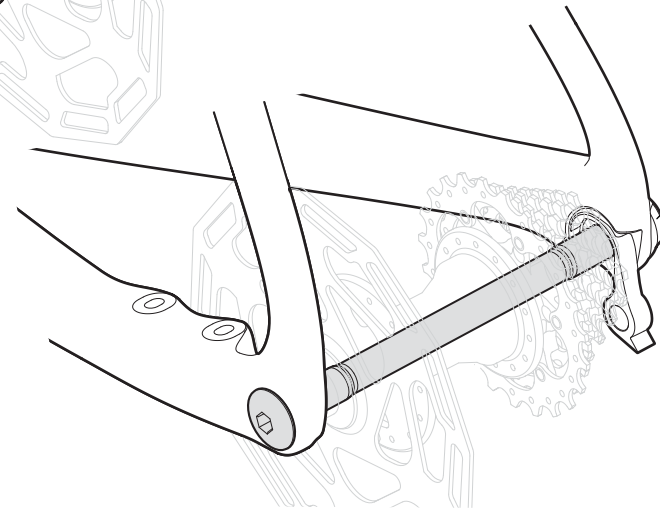
To secure wheels, install the greased axle, through the drop out and the wheel hub, aligning the threaded end of the axle with the threaded insert. Once aligned and engaged, thread the axle (clock-wise) into the threaded component of the insert until the axle is secured tightly.

⚠ WARNING

To ensure rider safety, it is critical to install the Cervélo Aero Thru-Axle correctly. Failure to do so may result in an accident with potential for serious injury to the rider.



Tighten rear axle
to 12-15Nm.



Perform final tightening on Rear Derailleur Hanger Nut using a 17mm wrench. Torque to 12-15Nm. This action is unique to initial assembly, and should not require additional adjustment.

⚠ WARNING

Adjust brakes as per manufacturer's instructions.

INTENDED USE OF THE SOLOIST BICYCLE

⚠ WARNING
Understand your bike and its intended use. Choosing the wrong bicycle for your purpose can be hazardous. Using your bike the wrong way is dangerous.

No one type of bicycle is suited for all purposes. Your retailer can help you pick the “right tool for the job” and help you understand its limitations. There are many types of bicycles and many variations within each type. There are many types of mountain, road, racing, hybrid, touring, cyclocross and tandem bicycles. There are also bicycles that mix features. For example, there are road/racing bikes with triple cranks. These bikes have the low gearing of a touring bike, the quick handling of a racing bike, but are not well suited for carrying heavy loads on a tour. For that purpose you want a touring bike.

Within each of type of bicycle, one can optimize for certain purposes. Visit your bicycle shop and find someone with expertise in the area that interests you. Do your own homework. Seemingly small changes such as the choice of tires can improve or diminish the performance of a bicycle for a certain purpose.

NOTE: Usage conditions are generalized and evolving. Consult your retailer or Cervélo Customer Service about how you intend to use your bike.

NOTE: Cervélo bicycles are tested to a maximum combined bicycle/rider/luggage weight of 100kg. Components have different weight limits, and if replaced can alter the maximum safe bike weight limit. Consult your retailer or Cervélo Customer Service about what components are appropriate for your bicycle.

Maximum Weight Limit - Cervélo Soloist

Rider	194 lbs	88 kg
Gear*	11 lbs	5 kg
Total	220.5 lbs	100 kg

*Seat bag / water bottles / bento bag / handlebar bottle / storage mounts only

High-Performance Road - Condition 1

Bikes designed for riding on a paved surface where the tires do not lose ground contact.

Intended To be ridden on paved roads only.

Not Intended For off-road, cyclocross, touring with racks or panniers, or mounting child seats or trailers.

Trade-Off Material use is optimized to deliver both light weight and specific performance. You must understand that (1) these types of bikes are intended to give an aggressive racer or competitive cyclist a performance advantage over a relatively short product life, (2) a less aggressive rider will enjoy longer frame life, (3) you are choosing light weight (shorter frame life) over more frame weight and a longer frame life, (4) you are choosing light weight over more dent resistant or rugged frames that weigh more. All frames that are very light need frequent inspection. These frames are likely to be damaged or broken in a crash. They are not designed to take abuse or be a rugged workhorse.

SOLOIST TORQUE SPECIFICATIONS

Correct tightening torque of threaded fasteners is crucial to your safety. Always tighten fasteners to the correct torque. In case of a conflict between the instructions in this manual and those provided by a component manufacturer, consult with your retailer or with Cervélo Customer Service for clarification. Fasteners that are too tight can stretch and deform. Fasteners that are too loose can move and fatigue. Either mistake can lead to a sudden failure of the fastener.

Use only a correctly calibrated torque wrench to tighten critical fasteners on your bike. Carefully follow the torque wrench manufacturer’s instructions on how to set and use the tool for accurate results. Ensure you read all relevant documentation and have the correct tools prior to attempting any adjustments yourself.

It is recommended that you permit your retailer to perform the following adjustments, as they have the proper tools and experience to ensure it is done correctly.

Prior to assembling and tightening any bolts, all threads must be generously greased with a quality, non-lithium type grease unless the bolt is pre-coated with Loctite® thread locker. All bolts should have either grease or Loctite - but never both. Torque wrenches with scale appropriate for the particular torque setting are strongly recommended for tightening all threaded fasteners.

Cervélo strongly recommends the use of carbon assembly compound/friction paste for all areas of clamping to carbon fiber, such as the seatpost

to frame, the stem to fork, and the handlebar to stem joints. Benefits to using this paste include reduced corrosion potential, and a decrease in required clamping force needed to support a given load. The paste should be evenly spread on the carbon surface under the clamped area, and the applicable bolt tightened as per the following recommendations.

WARNING: In case of a disagreement or a conflict between the following list and any supplier literature on recommended torque values for original equipment components, please contact Cervélo Customer Support for review and clarification of the required torque prior to installation.

Component	Torque (Nm)	Notes
Frame		
Bottom bracket- threaded -T47	50 Nm	Clean & grease the BB shell threads inside the frame. Grease the outside threads of the BB cups. Thread both sides of the BB cups into the frame- noting that the right side cup is reverse threaded. Using a torque wrench and the appropriate adaptor, tighten both sides to the specified torque until they are flush with the frame.
Rear derailleur fixing nut (disc brake)	12 to 15 Nm	Finger tight prior to rear wheel installation, final torque to approximate torque using open ended wrench.
Removable FDM / FDM blanking plate	3 Nm	Lightly grease the fixing screws.
Water bottle cage fixing screws	2 to 3 Nm	Lightly grease the fixing screws.

SOLOIST TORQUE SPECIFICATIONS

Component	Torque (Nm)	Notes
Fork		
Fork steerer compression plug	8 Nm	Lightly grease the fixing screw and tighten to the recommended torque.
Fork dropout insert	3 Nm	Lightly grease screw, install finger tight on NDS fork dropout. Install the axle (no wheel), and tighten until the axle flange meets the fork dropout- then tighten the fixing screw to recommended torque. Remove the axle, install the axle & wheel to recommended torque, then remove. Re-torque the fixing screw to recommended torque
Stem		
Stem to fork steerer tube	5 Nm	Lightly grease the stem fixing screw and torque and evenly & alternately tighten to recommended torque.
Stem to alloy handlebar	5 Nm	Lightly grease the handlebar fixing screws and evenly & alternately tighten to recommended torque.
Handlebar		
Brake/shift levers (to handlebar)	6 to 8 Nm	Refer to manufacturer's instructions for installation of brake/shift levers.
Accessory mount- front	2 Nm	Lightly grease the fixing screws.
Seatpost Clamp (frame to seatpost)		
Wedge clamp – Rounded front	8 Nm	Use carbon assembly compound between the seatpost and the frame.
Saddle (seatpost head bolts) – SP27 Aero Carbon		
2 bolt head	8 to 9 Nm	Ensure Loctite 242 is used on both bolts (1 is pre-applied).
Wheels		
Cervélo aero thru-axle / Cervélo aero thru-axle with removable handle	12 to 15 Nm	Requires the use of a 6mm allen key type wrench or Removable handle.
Other		
Pedals	30 to 35 Nm	Refer to manufacturer's instructions.

SOLOIST FRAME DETAILS

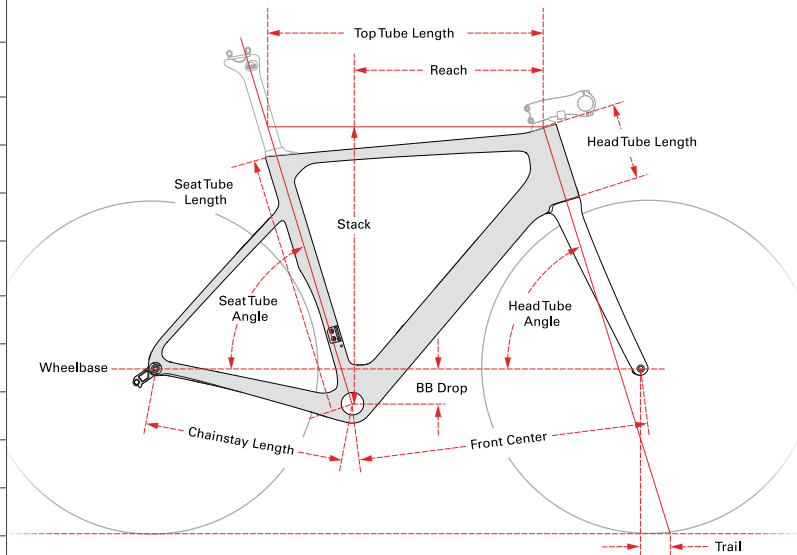
Soloist (FM151)	
Bike Name	Soloist
Model Year	2023
Serial Number Code	SN151
Frame Code	FM151
Fork Code	FK151
Brake Mount Type	Flat Mount Disc
Chainstay Height (Flat Mount)	25MM
Frame Sizes	48/51/54/56/58/61
Wheel Size	700C
BB Type	T47 BBRight (Threaded)
Headset Type	Intergrated 1-1/4" x 1-1/2"

* Tire measurements shall be taken at the widest point of the tire when it is installed on the rim and inflated. 4mm of distance is required between the tire and any frame or fork element.

Soloist (FM151)	
Upper Headset Bearing Dimensions	1-1/4", 34 x 46.8 x 7, 45°x45°
Lower Headset Bearing Dimensions	1-1/2", 40 x 51.8 x 7.5, 36°x45°
Seatpost	SP-SP27-ZERO, SP-SP27-15MM
Seatpost Clamp	SPC-STA
Rear Derailleur Hanger	DRH-WMN112
Rear Derailleur Hanger (Shimano DM)	DRH-SDM
Front Derailleur Hanger	FDM-0E0
Front Thru-Axle Dimensions	12 x 100MM
Rear Thru-Axle Dimensions	12 x 142MM
Fork Dropout Insert	QRI-THD
Maximum Tire Width (Actual)	34mm with 4mm clearance*

SOLOIST FRAME GEOMETRY

Soloist (FM151)	48cm	51cm	54cm	56cm	58cm	61cm
Reach	365mm	374mm	383mm	392mm	401mm	410mm
Stack	491mm	515mm	540mm	565mm	590mm	615mm
Bottom Bracket Drop	74.5mm	74.5mm	72mm	72mm	69.5mm	69.5mm
Chainstay Length	410mm	410mm	410mm	410mm	410mm	410mm
Seat Tube Angle	73°	73°	73°	73°	73°	73°
Head Tube Angle	71°	72°	73°	73°	73°	73°
Fork Length (Axle to Crown)	373mm	373mm	373mm	373mm	373mm	373mm
Fork Offset	57.5mm	51.5mm	45.5mm	45.5mm	45.5mm	45.5mm
Front Center	574mm	576mm	578mm	595mm	611mm	628mm
Head Tube Length	86mm	106mm	130mm	156mm	184mm	211mm
Wheelbase	972mm	974mm	977mm	994mm	1011mm	1028mm
Standover Height	439mm	479mm	503mm	527mm	550mm	574mm
Seat Tube Length	433mm	483mm	507mm	531mm	555mm	579mm
Top Tube Length	516mm	532mm	548mm	565mm	581mm	598mm



CERVÉLO CUSTOMER SUPPORT

Contacting Customer Support

Visit www.cervelo.com/contact-us to submit a question to Cervélo.

Product Registration

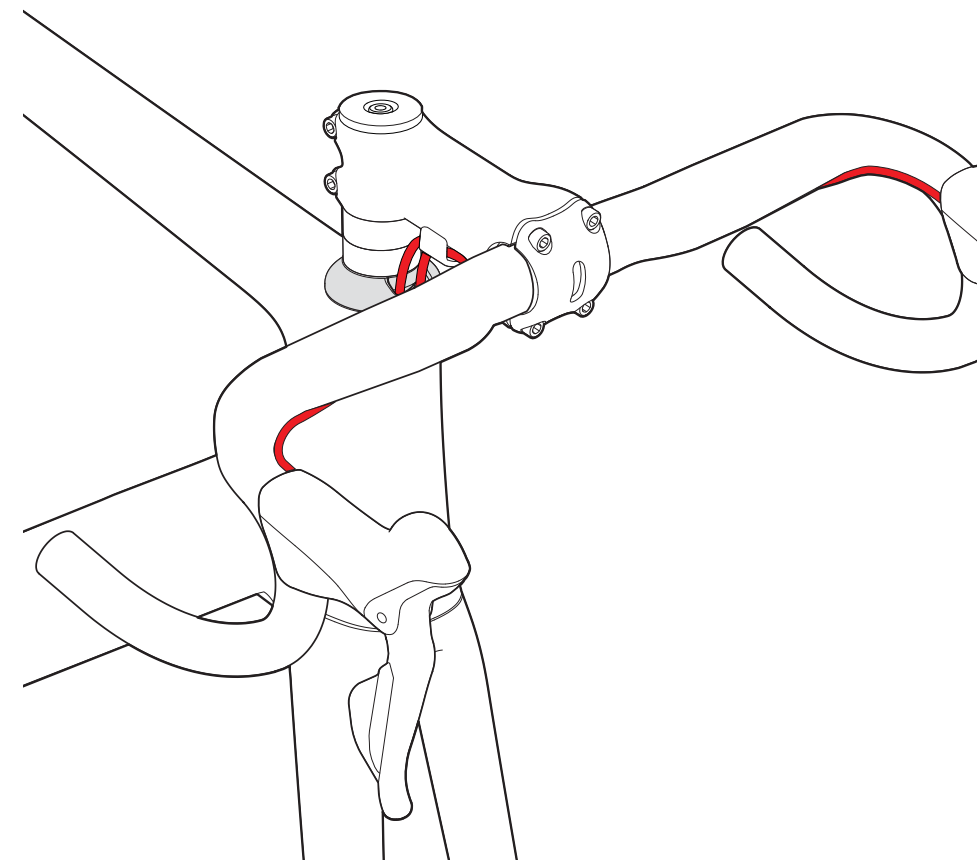
Visit www.cervelo.com/support to register your Cervélo bicycle through your MyCervélo account.

Manuals

Visit www.cervelo.com/product-manuals for additional information on Cervélo products.

Warranty

Visit www.cervelo.com/warranty for information on Cervélo's warranty policy.



SOLOIST RETAILER ASSEMBLY MANUAL

CER-STA-V2 2023-02-07

www.cervelo.com

cervelo