2023 P5 RETAILER ASSEMBLY MANUAL

cervélo

TABLE OF CONTENTS

IMPORTANT INFORMATION

This manual is intended to guide official Cervélo retailers through the assembly and adjustment of the Cervélo P5. 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, leading to serious injury. This manual is not intended to replace the assembly and service instruction provided by third-party component manufactures, and assumes that the assembler is a trained, professional bicycle mechanic. See https://www.probma.org/

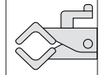
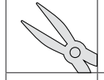
LIST OF TOOLS & SUPPLIES

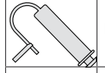
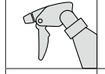
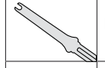
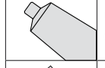
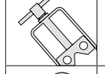
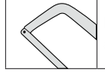
This manual outlines a number of procedures for making adjustments to the P5 bicycle. The following tools and parts listed are required for these adjustments. Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer.

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).

NOTE: Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer. If you are a Cervélo P5 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

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 (ParkTool SG-7.2 or equivalent)
	Hacksaw (with carbon and aluminum specific blades)

P5 PARTS LIST

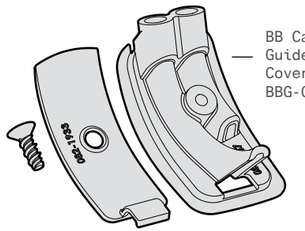
Item Description	Cervélo Part No.
FDM w/ Fixing Screws	FDM-0E0
FDM Blanking Plate	FDM-CVR
Bottle Boss Cover Plate	CVR-WB
Chainstay Protector P Series	PRO-CS-P
BB Cable Guide & Cover	BBG-0E0
Threaded Fork Insert w/ Fixing Screw	QRI-THD
Seatpost Clamp Assembly P5	SPC-0E0P
SB03 Top Tube Storage Box	SB-SB03-TT
SB04 Stem Storage Box	SB-SB04-STEM
Disc Brake Hose Guide	CBG-DBH

Item Description	Cervélo Part No.
Seatpost Water Bottle Mount	MT-WB-SP
HB11 Headset	HS-HB11
P5 Riser Post Clamp	HBP-PCLP
EX10 Riser Post	HBP-EX10-RISER
EX10 Pad Mount w/ Fixing Screws	HBP-EX10-PADMT
EX10 Tilt Adjust Plate w/ Fixing Screws	HBP-EX10-ADJPL
EX10 Bottle Mount	HBP-EX10-BOTMT
HB11 Stem Top Cap w/ Fixing Screw	STC-HB11
HB11 Stem Cover Cap	HBP-HB11-STCVR
Basebar Grips L/R	HBP-GRIPS

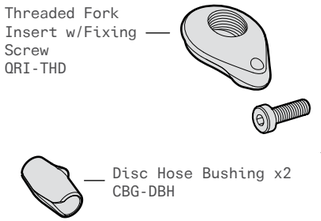
Item Description	Cervélo Part No.
Cervélo Front Aero Thru-Axle	QRA-AERO2-F
Cervélo Rear Aero Thru-Axle	QRA-AERO2-R
HB11 Basebar Assembly	HB-HB11
SP23 Carbon Seatpost With Head	SP-SP23
UCI P5 Seatpost	SP-CER-UCI-ACB
P Series Seatpost Battery Mount	MT-BINT-SP
SP21, SP23 Saddle Clamp Slug	SPS-SP2123
Dropout Electric Wire Guide	GR-DRPOUT-GUIDE
Dropout Cable Stop	CBS-DRPOUT
Dropout Blanking Plug Wireless	GR-DRPOUT-CLOSED

SMALL PARTS

Designed to accommodate electronic, mechanical and hydraulic controls, the P5 frame is engineered to provide seamless integration of all shifting systems, regardless of method or brand. In order to do so, you will require the parts shown below. Not all parts will be used, depending on the groupset fitted to the bicycle.

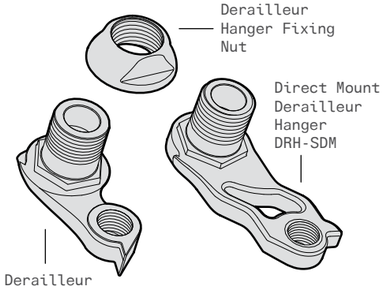


BB Cable Guide & Cover
BBG-0E0



Threaded Fork Insert w/Fixing Screw
QRI-THD

Disc Hose Bushing x2
CBG-DBH



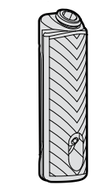
Derailleur Hanger Fixing Nut

Direct Mount Derailleur Hanger
DRH-SDM

Derailleur Hanger
DRH-WMN112

Front Derailleur Wire Hole Blanking Plug
GR-ST-CLOSED

Seatpost Clamp
SPC-0E0P

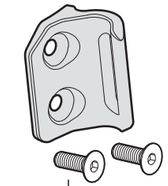


Riser Post Clamp
HBP-PCLP

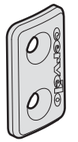
Rear Derailleur Press-In Cable Stop (Mechanical)
CBS-DRPOUT

Rear Derailleur Wire Guide (Electric)
GR-DRPOUT-GUIDE

Rear Derailleur Blanking Plug (Wireless)
GR-DRPOUT-CLOSED



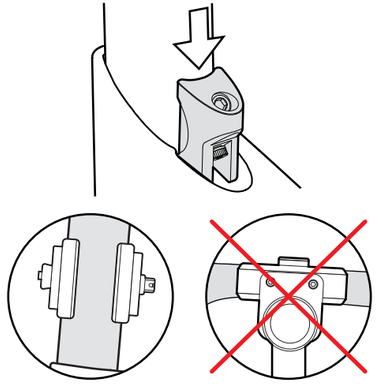
Front Derailleur Mount w/ Fixing Screws FDM-0E0



Front Derailleur Mount Blanking Plate (1x)
FDM-CVR

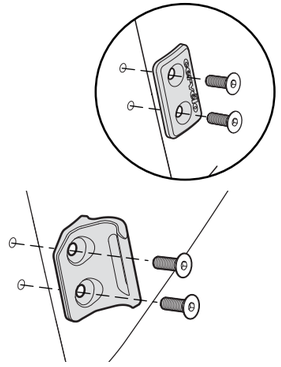
FRAME PREPARATION

1. Apply carbon paste to both frame and seatpost.
2. Insert Seatpost Clamp (SPC-0E0P) fully into frame so it is fully flush with the top tube.
3. Adjust height and torque to 8Nm maximum.

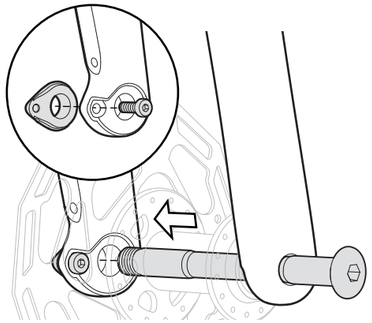


⚠ WARNING
Hold the frame using a secured seatpost only.

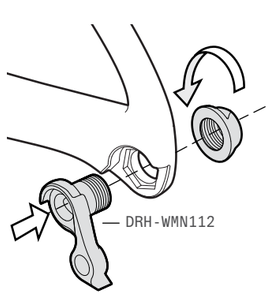
⚠ WARNING
Clamping the top tube can damage the frame and void your warranty.

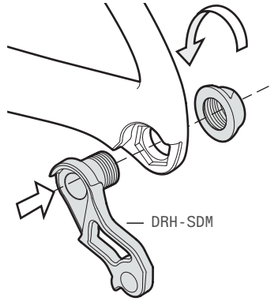


Install Front Derailleur Mount (FDM-0E0), and ensure fixing screws are torqued to 3Nm. For 1x systems replace with the Front Derailleur Mount Blanking Plate (FDM-CVR).



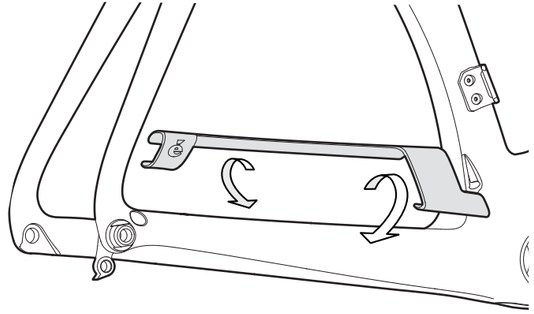
1. Lightly grease supplied M4 fixing screw. Install the Threaded Fork Insert (QRI-THD) and fixing screw, tightening only lightly.
2. Without wheel in place, install the axle and tighten until the flange meets the fork dropout face, but does not compress the fork blades.
3. Tighten the fixing screw to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



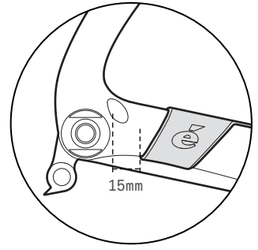


Lightly grease Rear Derailleur Hanger Fixing Nut and install either Rear Derailleur Hanger (DRH-WMN112) or Direct Mount Rear Derailleur Hanger (DRH-SDM) finger tight. Final tightening will be performed after rear wheel installation.

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

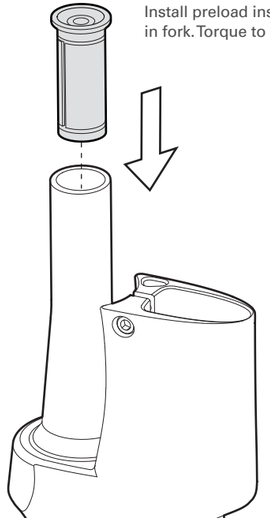


Clean the chainstay using isopropyl alcohol. Install the Chainstay Guard by removing adhesive backing, and fixing the guard to the frame. The bottom rearward edge should be approximately 15mm from the edge of the Rear Derailleur Hanger Fixing Nut.



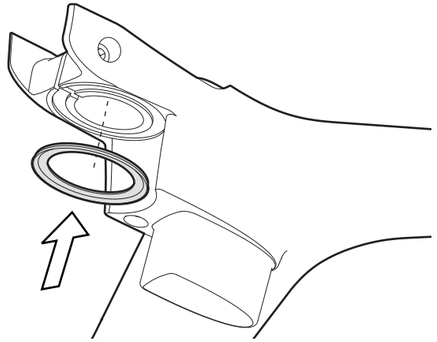
FORK PREPARATION

Note: It is recommended that you familiarize yourself with the steering system before complete installation, by performing a trial assembly without hoses or control cables present.

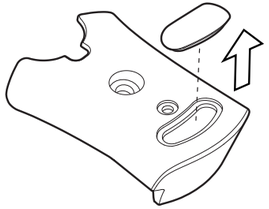


Install preload insert in fork. Torque to 8Nm

Prepare Basebar by cleaning the seal seat with isopropyl alcohol, and installing bearing seal ring.



For installation of mechanical shifting or SRAM eTap, prepare Stem Preload cap by removing rubber insert.



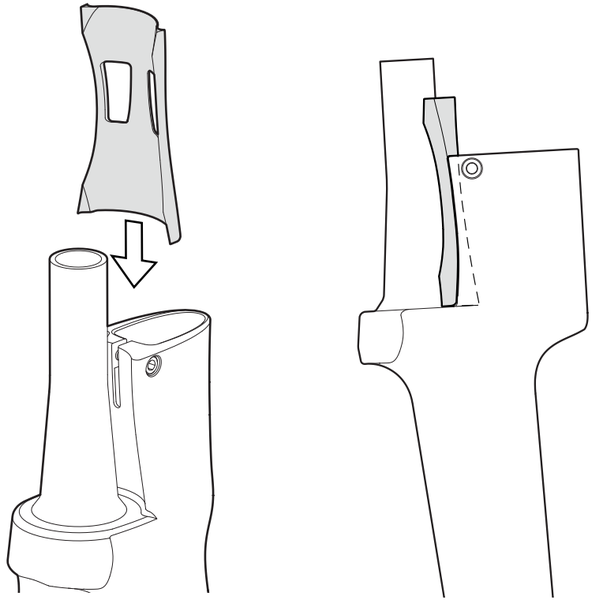
⚠ WARNING
Your Cervélo frame & fork have been designed to work together. Do not attempt to install an alternative fork.

Fork Rotation Stop

FKI-P5FRS-48
FKI-P5FRS-51
FKI-P5FRS-54
FKI-P5FRS-56
FKI-P5FRS-58

Clean the fork surface with isopropyl alcohol and let dry. Remove the backing paper and firmly affix the adhesive side of the Fork Rotation Stop flush to the rearward face of the bayonet fork.

⚠ WARNING
Not installing the Fork Rotation Stop may result in damage to the frame and void your warranty.

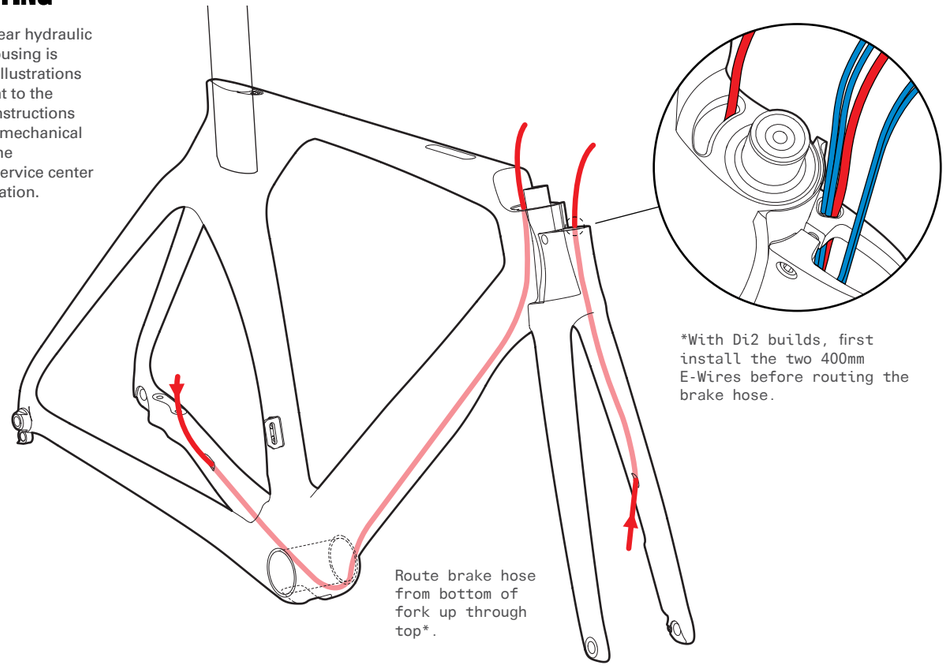


BRAKE HOSE ROUTING

It is recommended that the rear hydraulic brake hose or brake cable housing is installed first. 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.

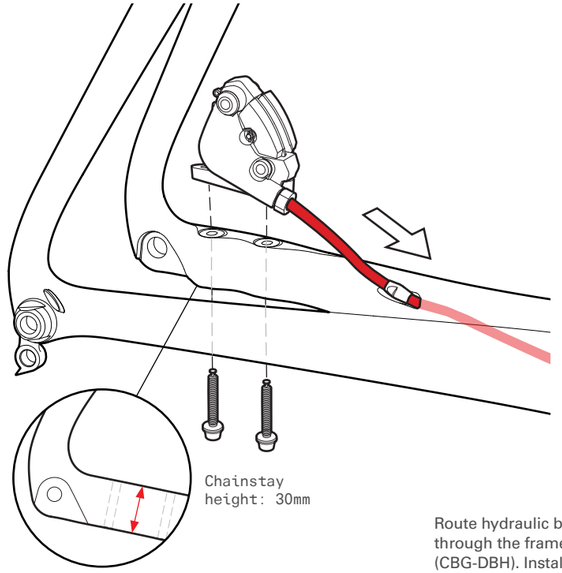
● Brake

Route rear brake hose from chainstay through from Top Tube Internal Cable Port.

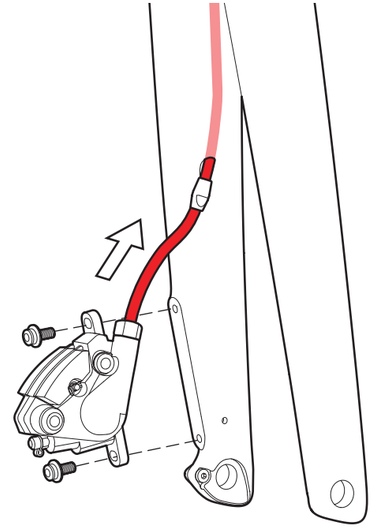


Route brake hose from bottom of fork up through top*.

*With Di2 builds, first install the two 400mm E-Wires before routing the brake hose.



Chainstay height: 30mm

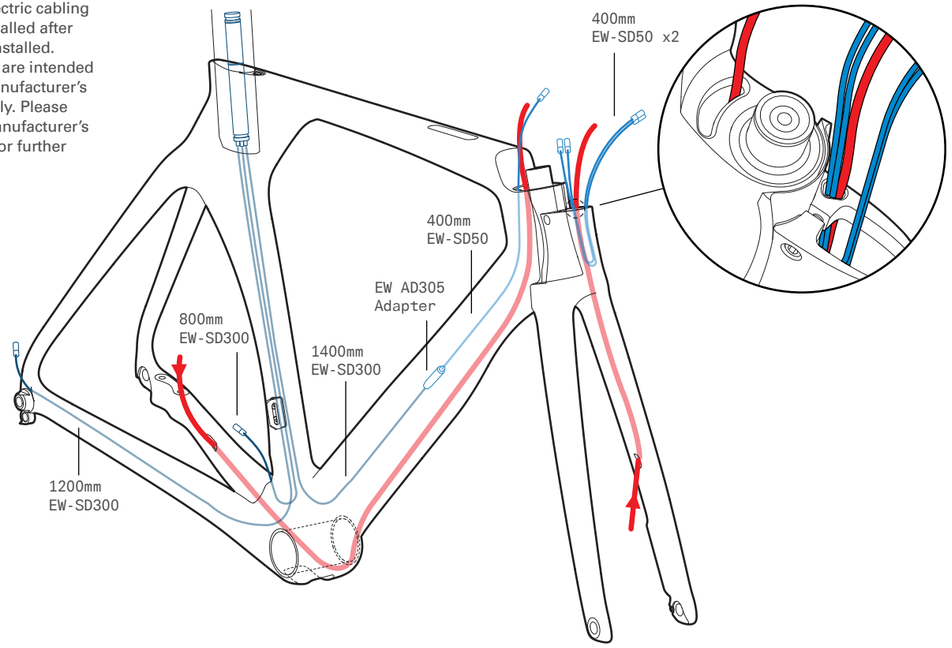


Route hydraulic brake hose or mechanical brake housing through the frame and fork with the Disc Hose Bushings (CBG-DBH). Install and adjust calipers as per manufacturer's instructions.

ELECTRIC WIRE ROUTING

It is recommended that electric cabling and junction points be installed after the brake hose has been installed. 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.

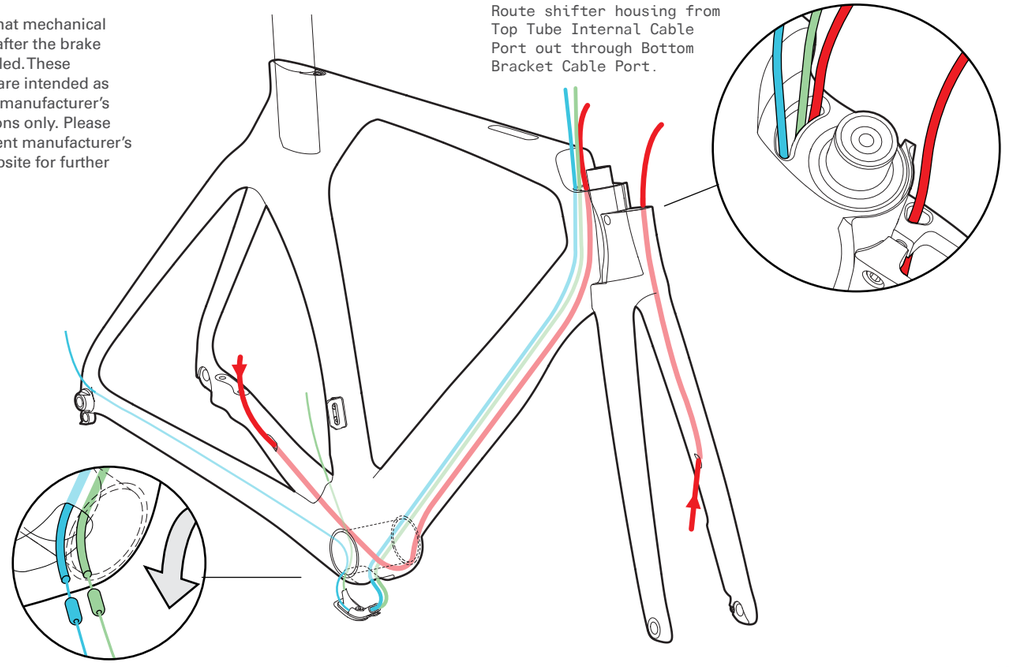
- Brake
- E-Wire(SD50)
- E-Wire(SD300)



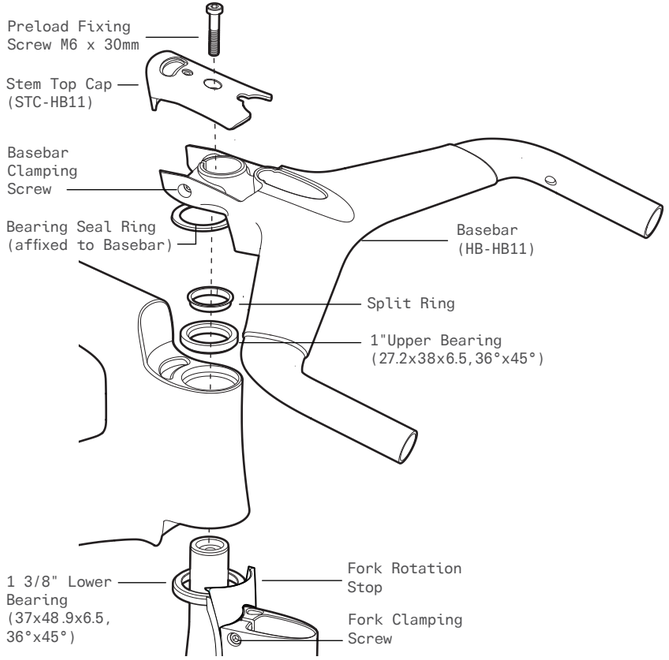
MECHANICAL CABLE ROUTING

It is recommended that mechanical cabling be installed after the brake hose has been installed. 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



FORK INSTALLATION

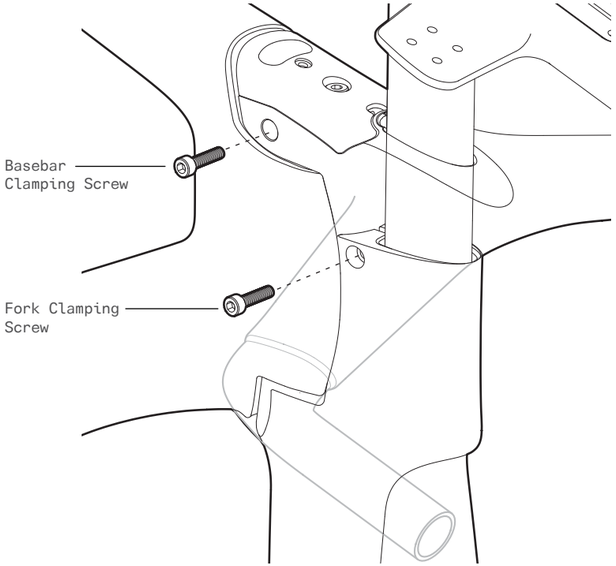


1. Check the Basebar, and headset components to make sure there are no sharp or rough edges on any of the surfaces which could cut or damage the steerer tube. If any rough edges are detected, have the components repaired (sharp edges removed) or replaced before proceeding.
2. Press the lightly greased upper and lower headset bearings into the frame, and insert the fork into the head tube.
3. Slide the compression ring onto the steerer, and down until it fully seats in the top of the upper headset bearing. The split in the Split Ring must be oriented toward to left or right side of the steerer – never towards the front or back.
4. Clean the seal seat of the Basebar with isopropyl alcohol, and adhere the Seal Ring to the Basebar.
5. Slide the Basebar onto the fork steerer oriented as shown. Note the Basebar must engage both the fork steerer and the external steerer. Do not use grease on the fork steerer. The use of Tacx Carbon Assembly Compound™ or equivalent friction paste is recommended to help secure the stem.
6. Lightly grease the threads of the Preload Fixing Screw.

NOTE: This diagram is for assembly reference only. During complete assembly, hoses and control cables will be present.

7. Place the Stem Cap on top of the Basebar and insert the greased Preload Fixing Screw through the cap to engage with the star nut. Tighten the bolt only enough to remove all play from the headset, and ensure that the fork still rotates freely.
8. Tighten both the greased Basebar Clamping Screw and Fork Clamping Screw using a torque wrench. Tighten the bolts to a maximum of 5Nm.
9. As a final check ensure that the fork rotates freely in the head tube without any play or binding. If any problem is detected, loosen the bolts and perform steps 7) to 8) again.

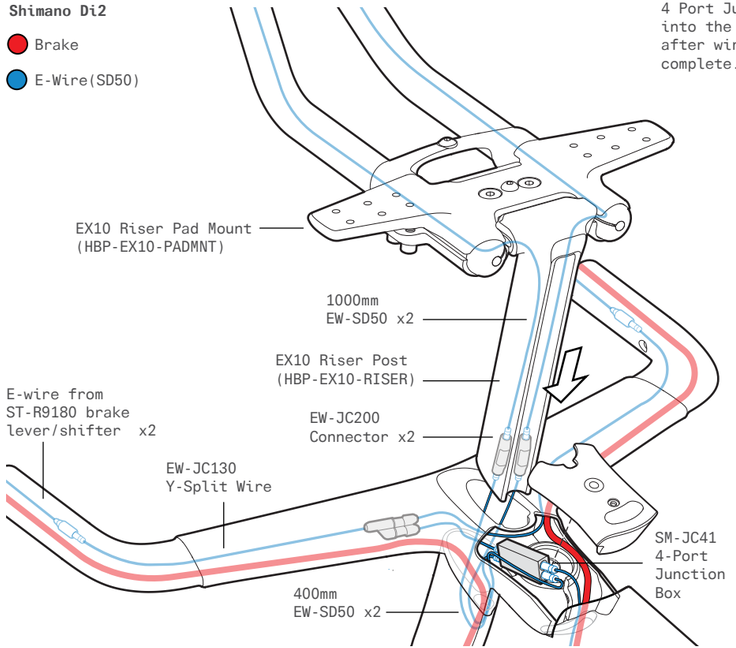
⚠ WARNING
Do not exceed the maximum torque specifications listed in this manual. Correct tightening force on fasteners – nuts, bolts, screws – on your bicycle is very important. Too little force, and the fastener may not hold securely. Too much force, and the fastener can strip threads, stretch, deform or break. Either way, incorrect tightening force can result in component failure, which can cause you to lose control and fall.



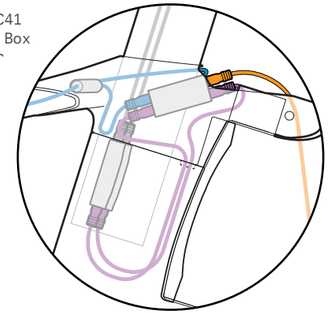
EX10 RISER & HB11 BASEBAR ROUTING

Shimano Di2

- Brake
- E-Wire(SD50)



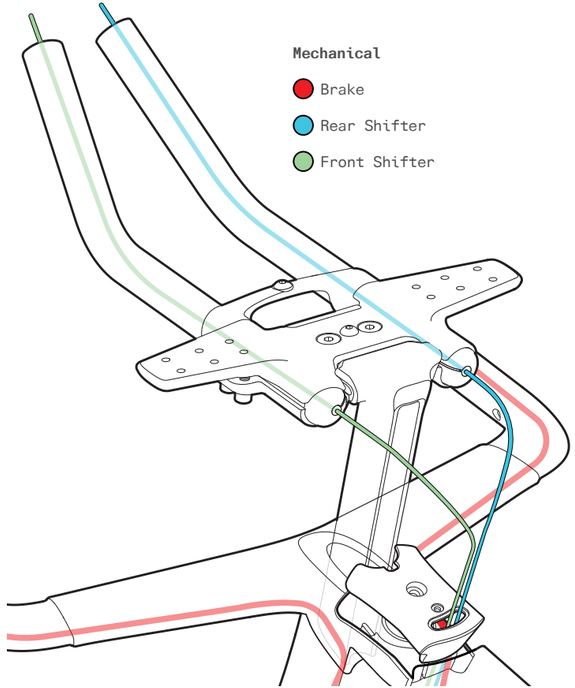
Insert the SM-JC41 4 Port Junction Box into the Basebar after wiring is complete.



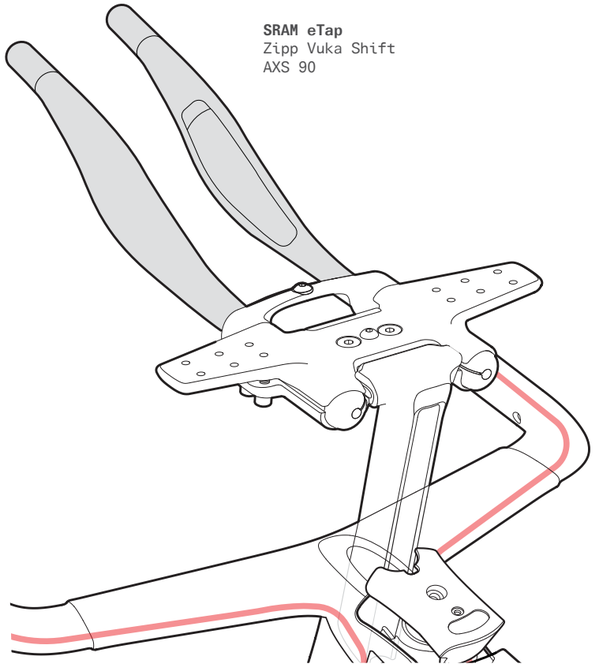
- 1000mm(x2)EW-SD50 wires from extensions to EW-JC200 connectors
- EW-JC130 Y-Split Wire to ST-R9180 shifters and SM-JC41
- 400mm(x2)EW-SD50 wires from EW-JC200s to SM-JC41
- 400mm EW-SD50 wire to EW-AD305 adapter

Mechanical

- Brake
- Rear Shifter
- Front Shifter

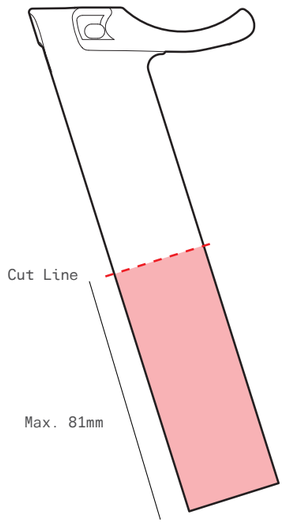


SRAM eTap
Zipp Vuka Shift
AXS 90



EX10 RISER POST CUTTING INSTRUCTIONS

Achieving the lowest possible stack may require trimming the Riser Post. If using a cut Riser Post ensure there is always a minimum of 70mm inserted inside the frame.



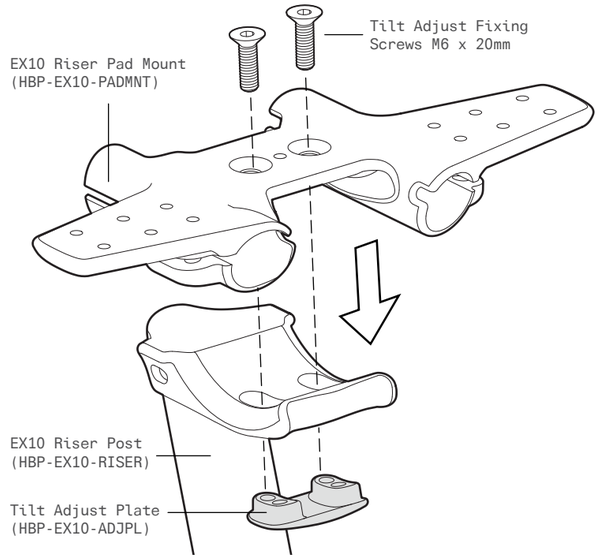
1. Use a light coloured grease pencil to accurately mark the cut-off location on the Riser Post. **See table below for the exact number based on frame size.**
2. Insert the Riser Post in the ParkTool SG-7.2 Saw Guide (or equivalent) so that the cut-off line can be seen clearly through the blade guide in the tool.
3. Using a blade designed specifically for cutting carbon; proceed with cutting the stem steerer (as per ParkTool's instructions).
4. Carefully file the cut end removing any rough edges.

Frame Size	Trim Amount for Lowest Stack (w/ riser plug)
S	81mm
M	61mm
L	33mm
XL	3mm

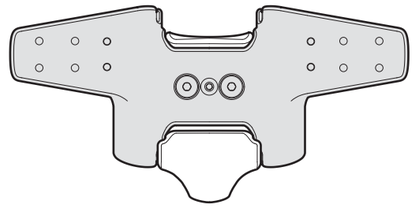
⚠ WARNING
If trimming is required, final length should allow for a minimum 70mm of Riser Post remaining in the frame. Failure to meet this requirement, may result in damage to the frame not covered by warranty policy, or serious injury to rider.

EX10 RISER ASSEMBLY

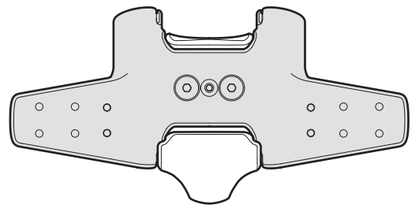
Attach Riser Pad Mount and Riser Post to Tilt Adjust Plate using four lightly greased M6 fixing screws. Torque to 6Nm.



The Riser Pad Mount can be attached in two positions:



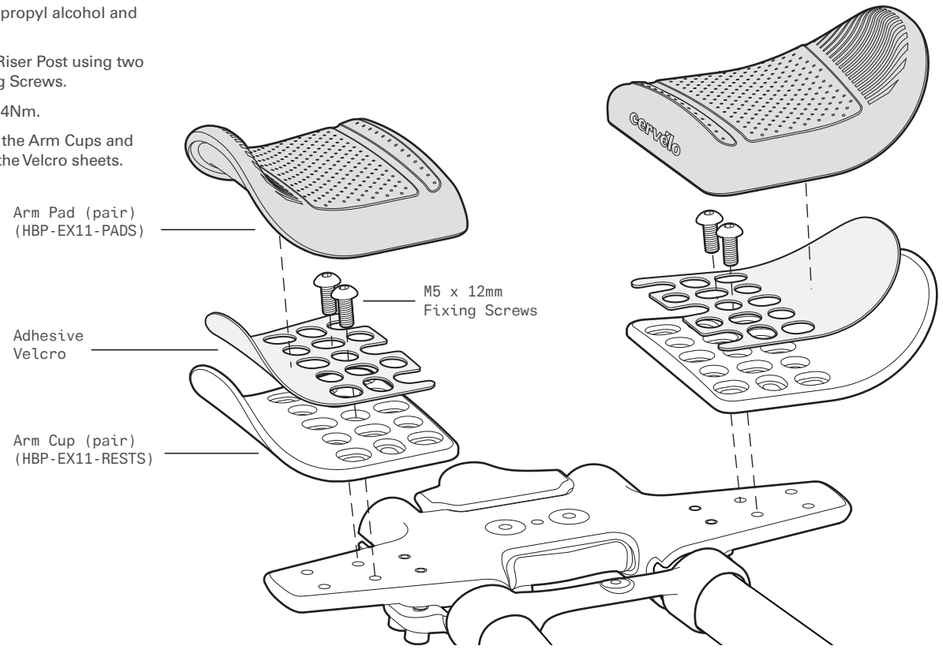
Forward Position



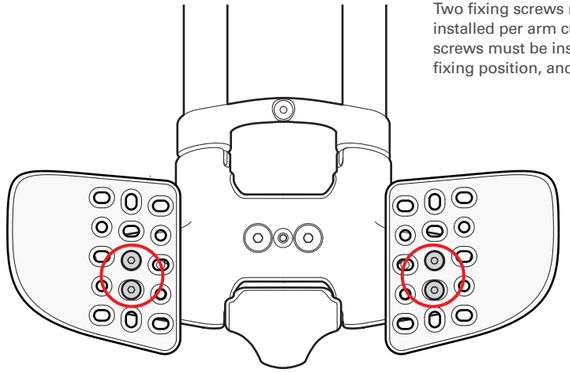
Setback Position

ARM CUP & PAD INSTALLATION

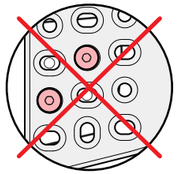
1. Clean Arm Cups with isopropyl alcohol and apply Velcro sheets.
2. Attach Arm Cups to the Riser Post using two lightly greased M5 Fixing Screws.
3. Torque Fixing Screws to 4Nm.
4. Align the Arm Pads with the Arm Cups and press to secure them to the Velcro sheets.



ARM CUP POSITIONS

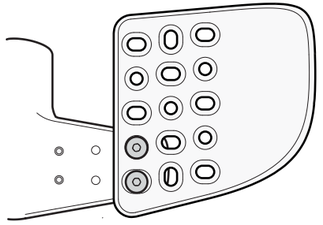


Two fixing screws must always be installed per arm cup. The fixing screws must be installed in fore-aft fixing position, and not diagonal.

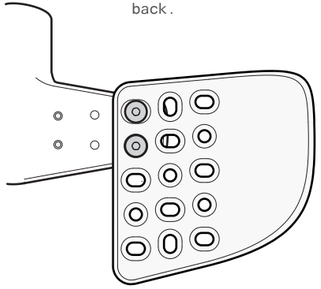


⚠ WARNING
Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and potentially serious injury.

Position: Farthest outside, farthest forward.



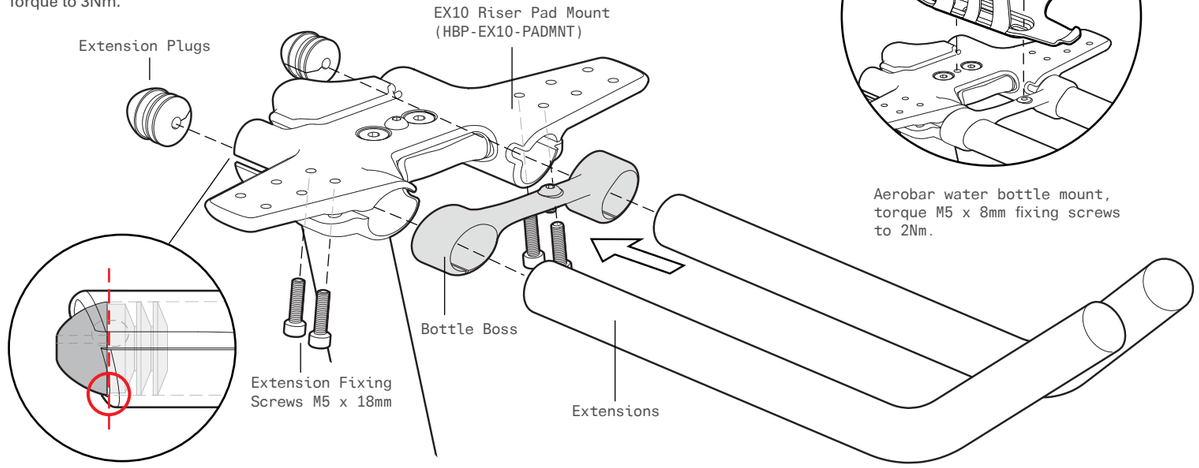
Position: Farthest outside, farthest back.



EX10 EXTENSION ASSEMBLY

NOTE: This diagram is for assembly reference only. During complete assembly, hoses and control cables will be present.

Install and adjust extensions.
Torque to 3Nm.



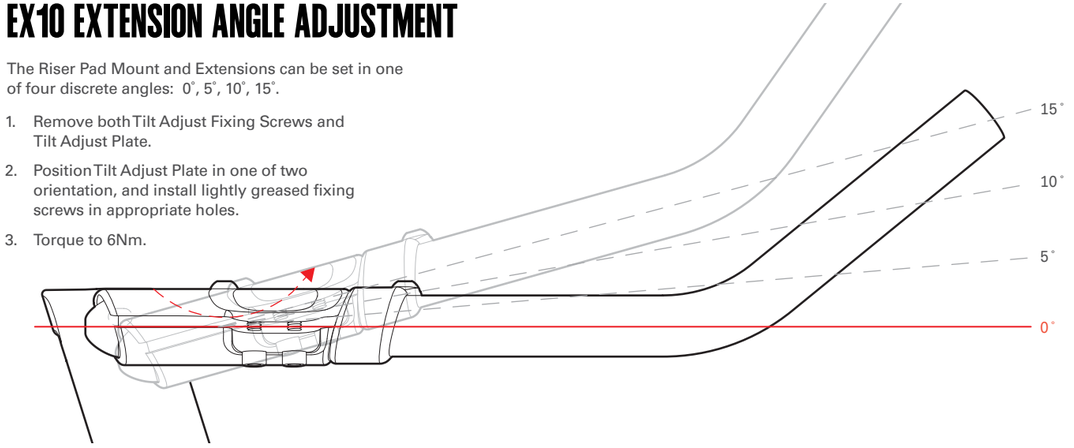
Aerobar water bottle mount, torque M5 x 8mm fixing screws to 2Nm.

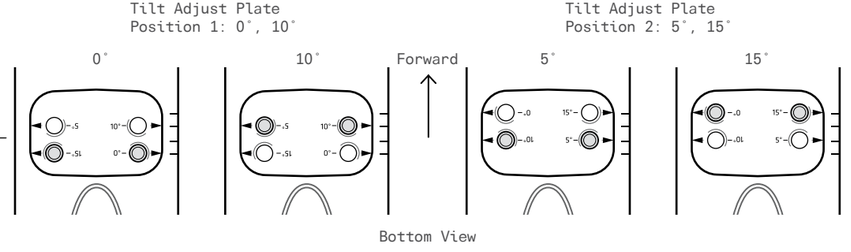
Extensions should be flush with bottom edge Riser Pad Mount for internal Di2 routing.

EX10 EXTENSION ANGLE ADJUSTMENT

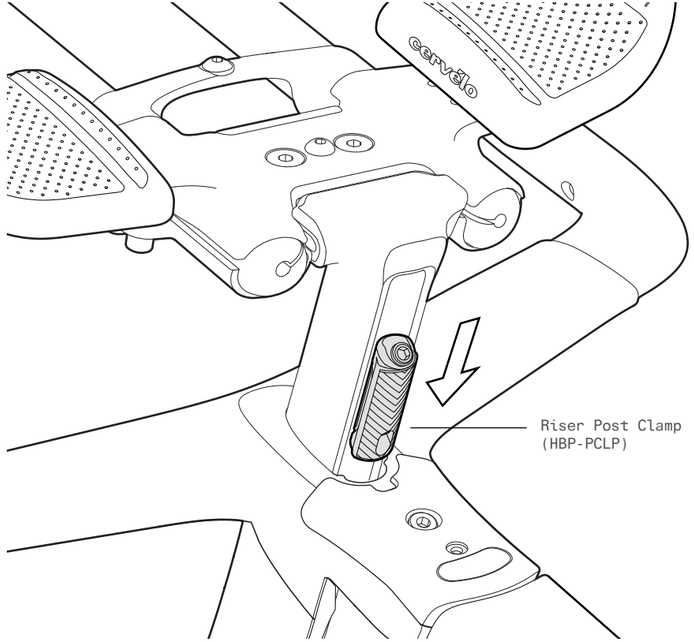
The Riser Pad Mount and Extensions can be set in one of four discrete angles: 0˚, 5˚, 10˚, 15˚.

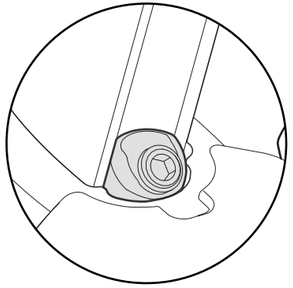
1. Remove both Tilt Adjust Fixing Screws and Tilt Adjust Plate.
2. Position Tilt Adjust Plate in one of two orientation, and install lightly greased fixing screws in appropriate holes.
3. Torque to 6Nm.





EX10 RISER POST CLAMP





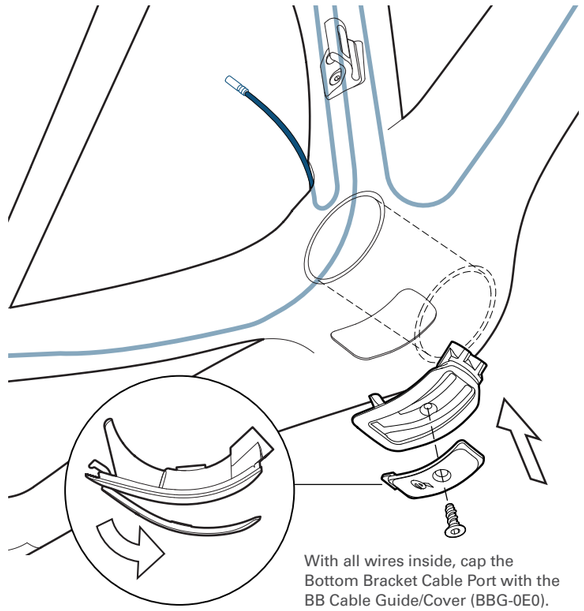
1. Apply a light coat of carbon assembly compound to Riser Post, and install into fork.

2. Apply a light coat of carbon assembly compound to chevron and rear surfaces of the Riser Post Clamp, and install at rear of Riser Post ensuring that the clamp is fully inserted, and no chevrons are visible.

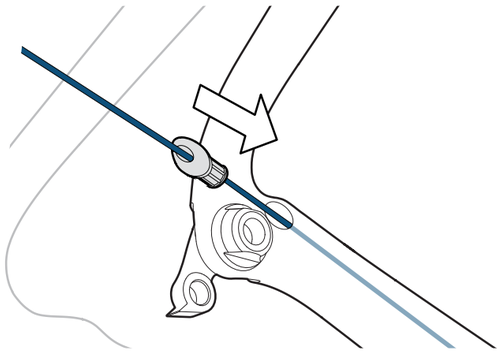
3. Torque to 8Nm.

NOTE: This diagram is for assembly reference only. During complete assembly, hoses and control cables will be present.

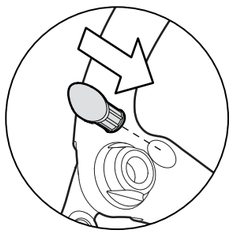
ELECTRIC WIRE INSTALLATION



With all wires inside, cap the Bottom Bracket Cable Port with the BB Cable Guide/Cover (BBG-0E0).

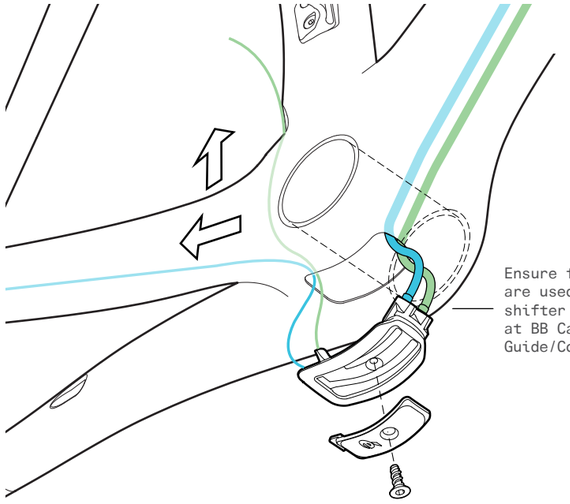


Install the Rear Derailleur Wire Guide (GR-DRPOUT-GUIDE).



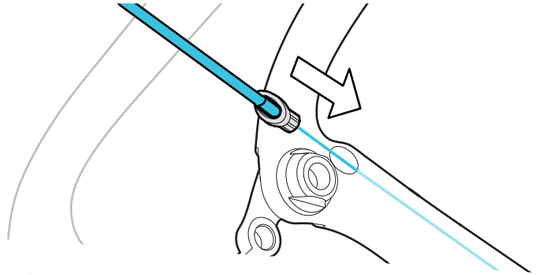
For wireless shifting systems install the Rear Derailleur Blanking Plug (GR-DRPOUT-CLOSED).

MECHANICAL CABLE INSTALLATION

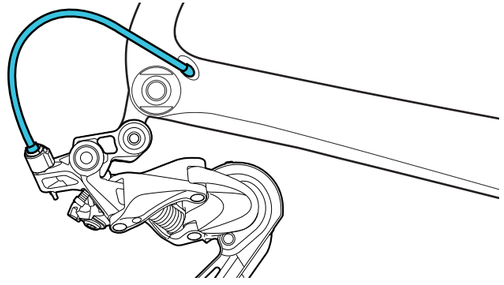


Ensure ferrules are used to cap shifter housing at BB Cable Guide/Cover.

The front cable travels across the non-drive side slot, and in the direction of the seat tube. The rear cable travels along the drive side slot, and along the chainstay. When complete, fix the BB Cable Guide/Cover (BBG-0E0) into place.

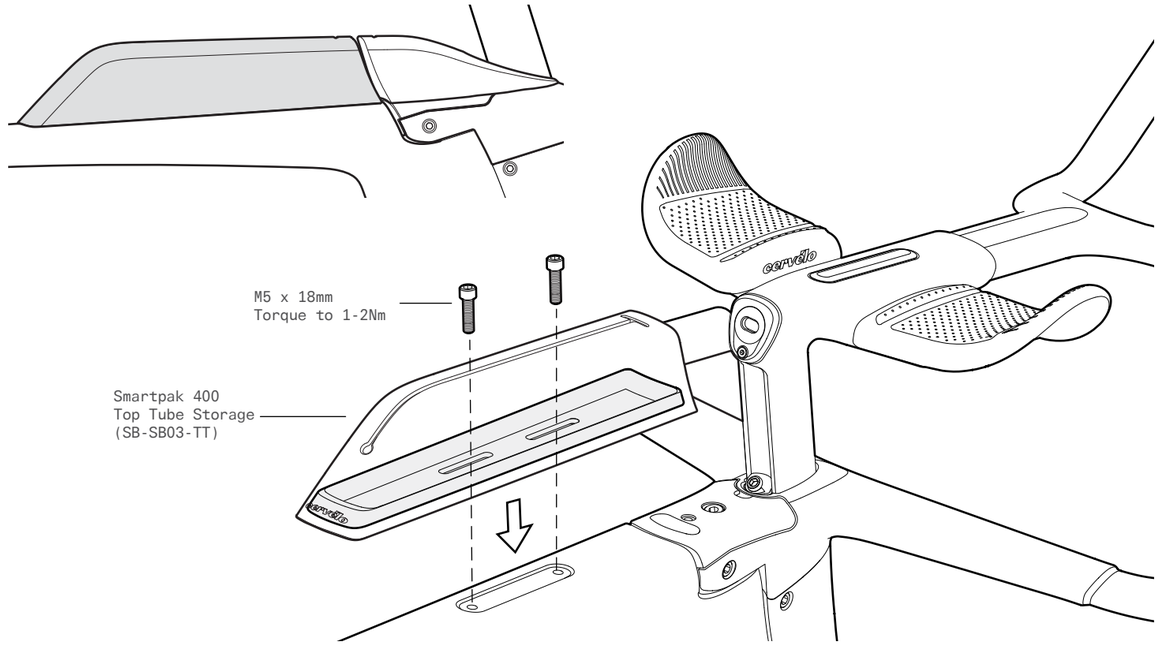


Install Rear Derailleur Press-In Cable Stop (CBS-DRPOUT).

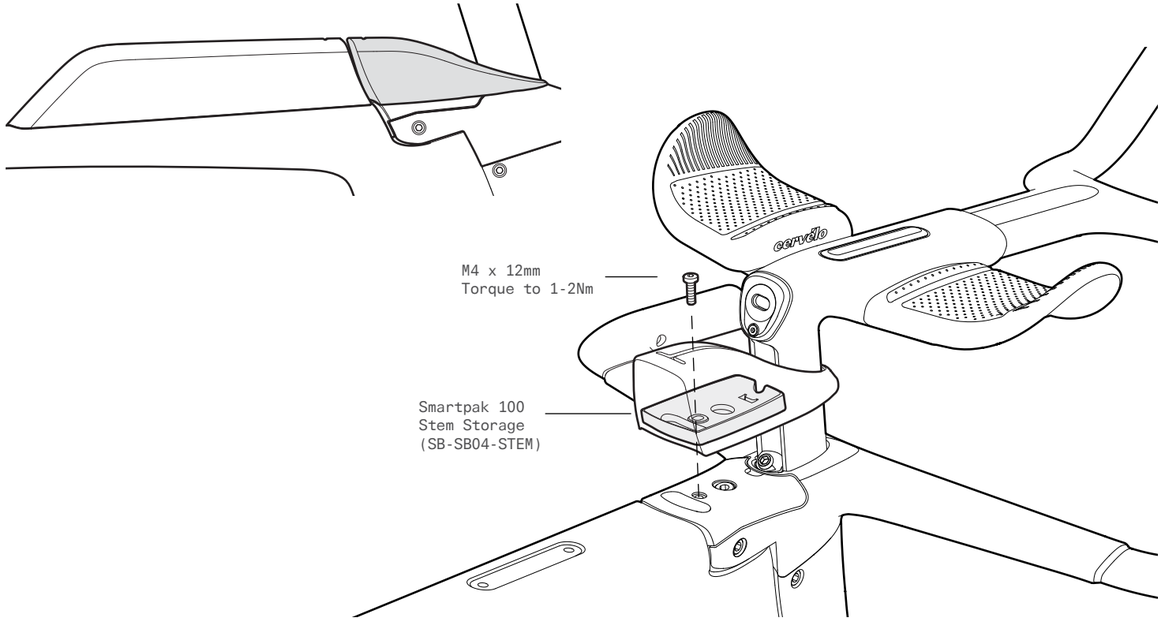


As per manufacturer's instructions, install rear derailleur on rear derailleur hanger, cut appropriate housing length, and attach cable.

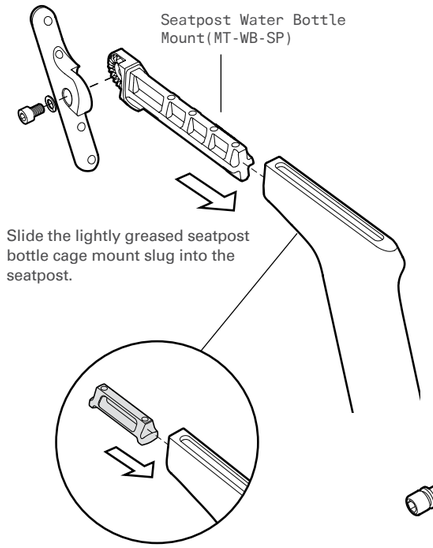
SMARTPAK 400 INSTALLATION



SMARTPAK 100 INSTALLATION

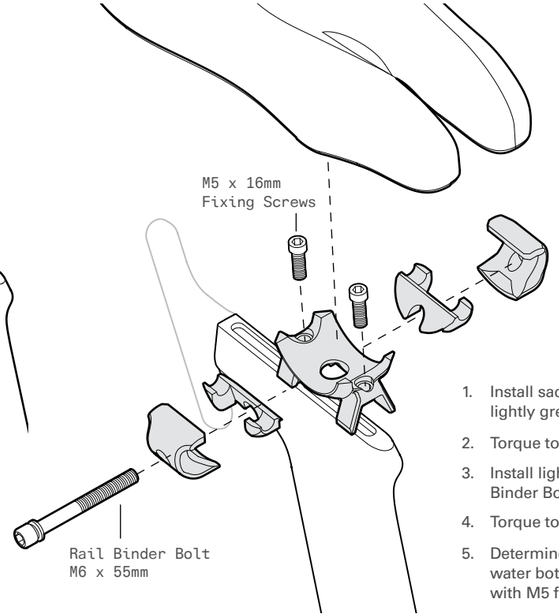


SEATPOST ASSEMBLY



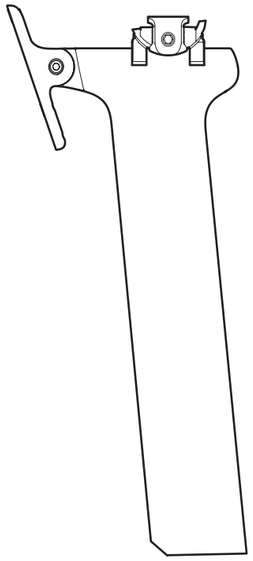
Slide the lightly greased seatpost bottle cage mount slug into the seatpost.

If not using the bottle cage mount, use the alternate seatpost slug (SPS-SP2123).

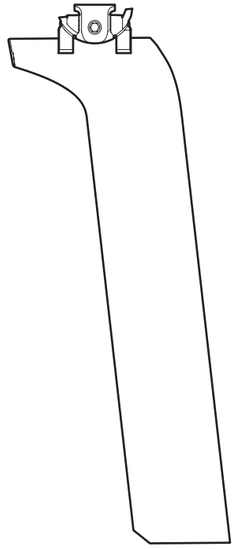


1. Install saddle mount to slug using lightly greased M5 fixing screws.
2. Torque to 6-7Nm.
3. Install lightly greased M6 Rail Binder Bolt, and install saddle.
4. Torque to 12Nm.
5. Determine desired angle, and attach water bottle mount to seatpost slug with M5 fixing screw.
6. Torque to 4Nm.

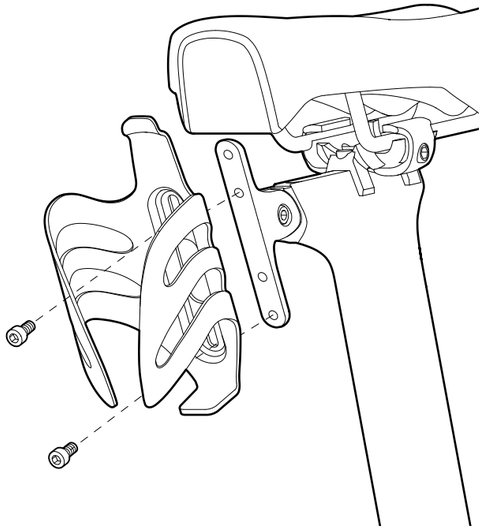
SEATPOST ASSEMBLY



SP23 Seatpost
(SP-SP23)



UCI P5 Seatpost
(SP-CER-UCI-ACB)



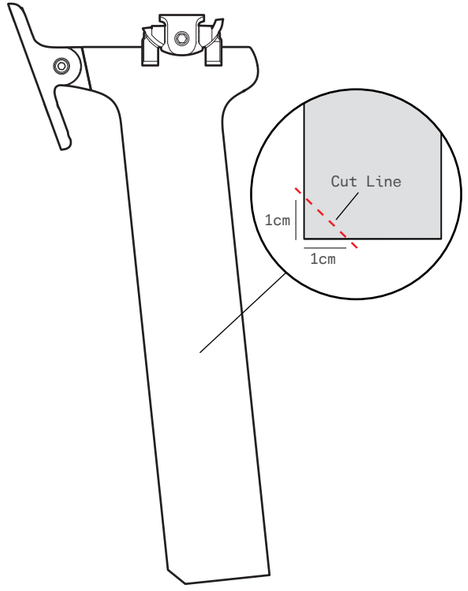
Attach water bottle cage using lightly greased M5 x 8mm fixing screws. Torque to 2-3Nm.

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 coloured grease pencil to accurately mark the cut-off location on the seatpost.
2. Insert the P Series Seatpost in the ParkTool SG-7.2 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.

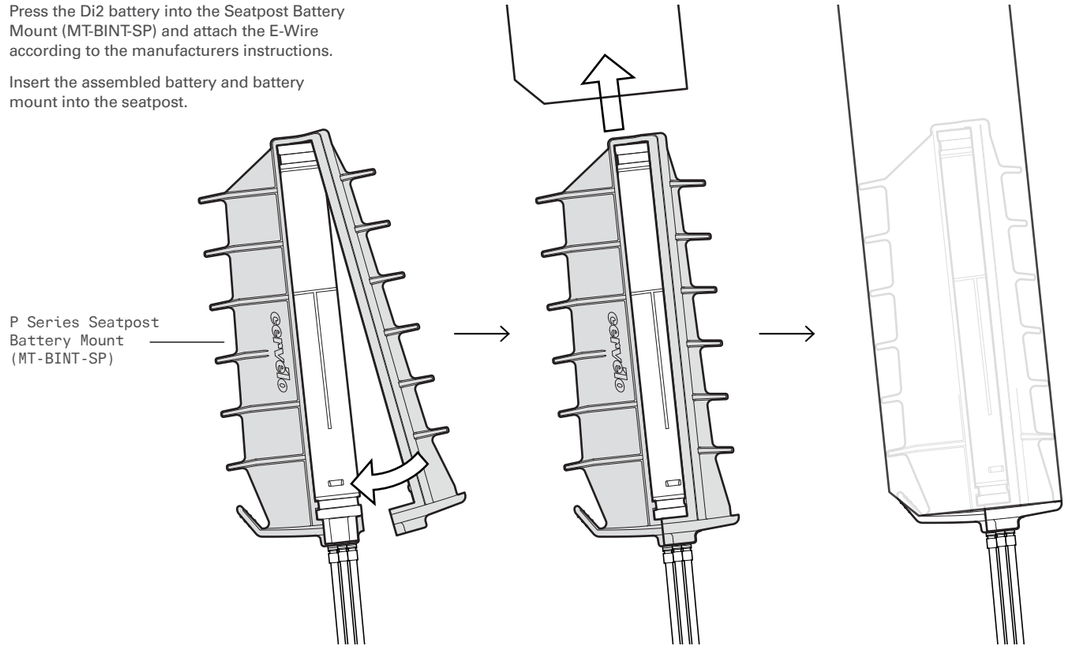
⚠ WARNING
If trimming is required, final length should allow for a minimum 6.5cm of seatpost remaining in the frame. Failure to meet this requirement, may result in damage to the frame not covered by warranty policy, or serious injury to rider.



SEATPOST DI2 BATTERY INSTALLATION

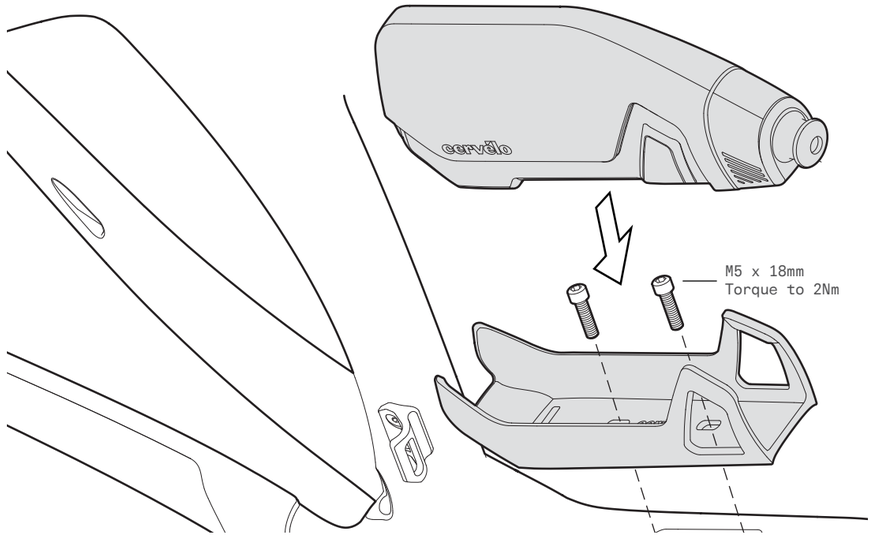
Press the Di2 battery into the Seatpost Battery Mount (MT-BINT-SP) and attach the E-Wire according to the manufacturers instructions.

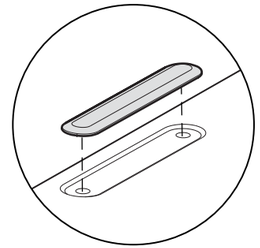
Insert the assembled battery and battery mount into the seatpost.



AERO WATER BOTTLE INSTALLATION

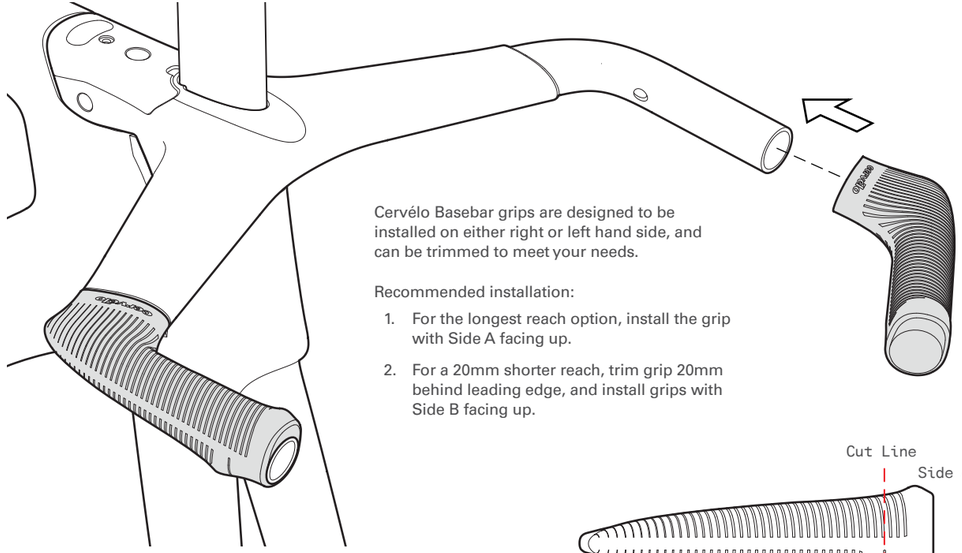
Attach Aero Water Bottle (WB-WB01) cage to frame and torque M5 x 18mm fixing screws to 2Nm.





If not using Aero Water Bottle install Bottle Boss Cover Plate (CVR-WB).

BASEBAR GRIP INSTALLATION



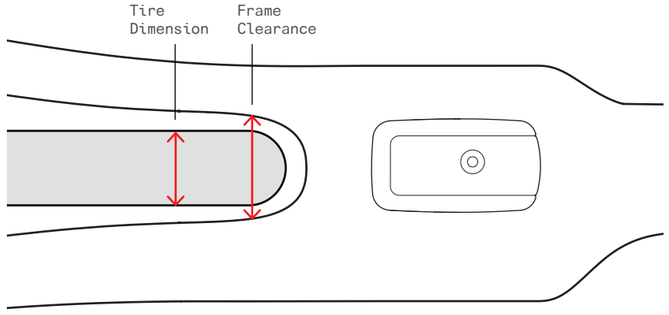
Cervélo Basebar grips are designed to be installed on either right or left hand side, and can be trimmed to meet your needs.

Recommended installation:

1. For the longest reach option, install the grip with Side A facing up.
2. For a 20mm shorter reach, trim grip 20mm behind leading edge, and install grips with Side B facing up.

TIRE 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.

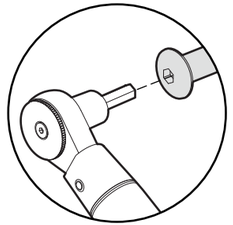


1. Measure the space between the chainstays at the bottom bracket junction.
2. Measure the space between the seatstays at the top of the tire.
3. Using the smallest of those two numbers, subtract 8mm (4mm per side) to determine the remaining space.
4. With the tire installed and fully inflated on your wheel, measure the tire width to ensure that it fits.

⚠ WARNING

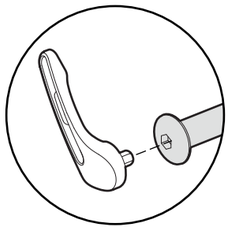
Contact between the tire and the frame or fork may result in a loss of control while riding and potentially serious injury. Failure to follow these guidelines may result in damage to the frame not covered by Cervélo Limited Lifetime Warranty.

AERO THRU-AXLE INSTALLATION

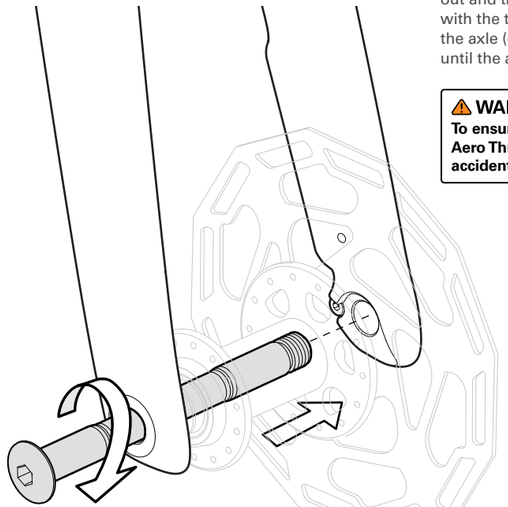


6mm Allen key /
torque wrench

or



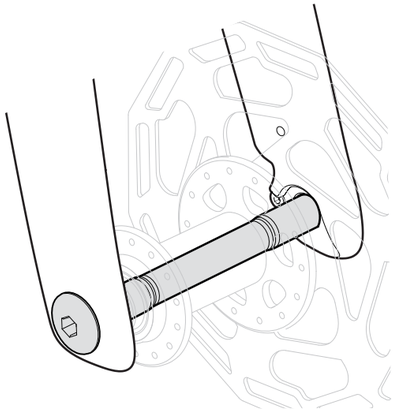
Cervélo Aero
Thru-Axle with
Removable Handle
(QRA-AERO2-F &
QRA-AERO2-R)

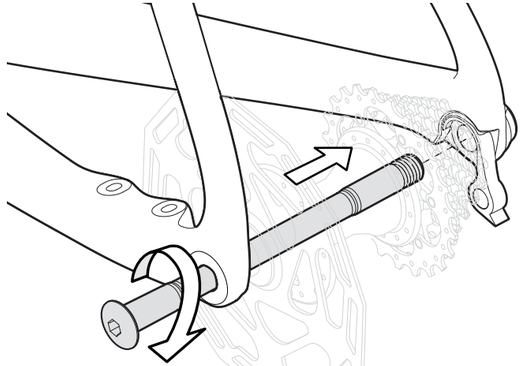


Tighten
front axle
to 12-15Nm.

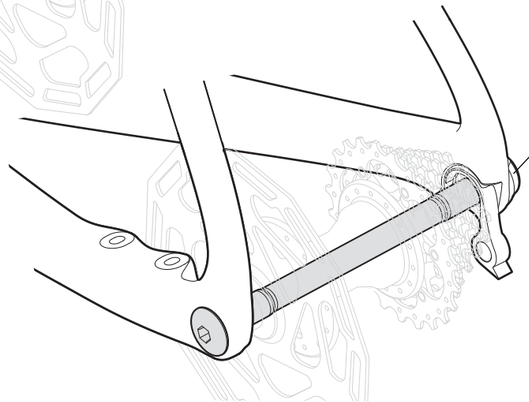
To secure wheels, install the greased axle, through the drop out and the wheel hub, aligning the threaded end of the axle with the threaded insert. Once aligned and engaged, thread the axle (clock-wise) into the threaded component of the insert until the axle is secured tightly.

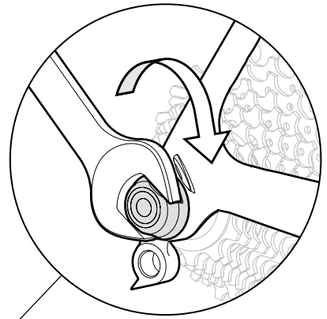
⚠ WARNING
To ensure rider safety, it is critical to install the Cervélo Aero Thru-Axle correctly. Failure to do so may result in an accident with potential for serious injury to the rider.





Tighten rear axle
to 12-15Nm.





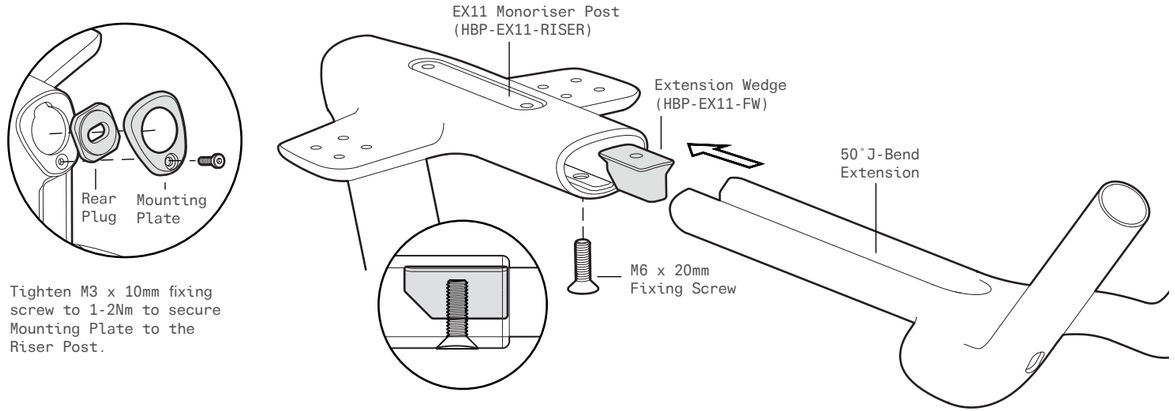
Perform final tightening on
Rear Derailleur Hanger Nut
using a 17mm wrench. Torque
to 12-15Nm. This action is
unique to initial assembly,and
should not require additional
adjustment.

⚠ WARNING
Adjust brakes as per manufacturer's instructions.

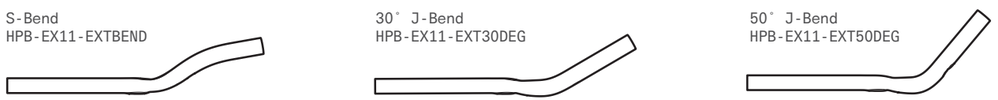
APPENDIX: EX11 AEROBAR ASSEMBLY

Apply a light coating of Carbon Assembly Paste to the clamping area of the Extensions, and secure Extension Wedge by tightening the lightly greased M6 x 20mm fixing screw to 4Nm.

NOTE: This diagram is for assembly reference only. During complete assembly, hoses and control cables will be present.

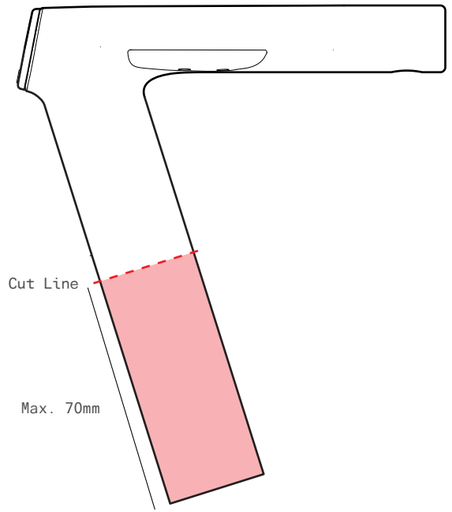


Tighten M3 x 10mm fixing screw to 1-2Nm to secure Mounting Plate to the Riser Post.



EX11 MONORISER POST CUTTING INSTRUCTIONS

Achieving the lowest possible stack may require trimming the Monoriser Post. If using a cut Riser Post ensure there is always a minimum of 70mm remaining inside the frame.



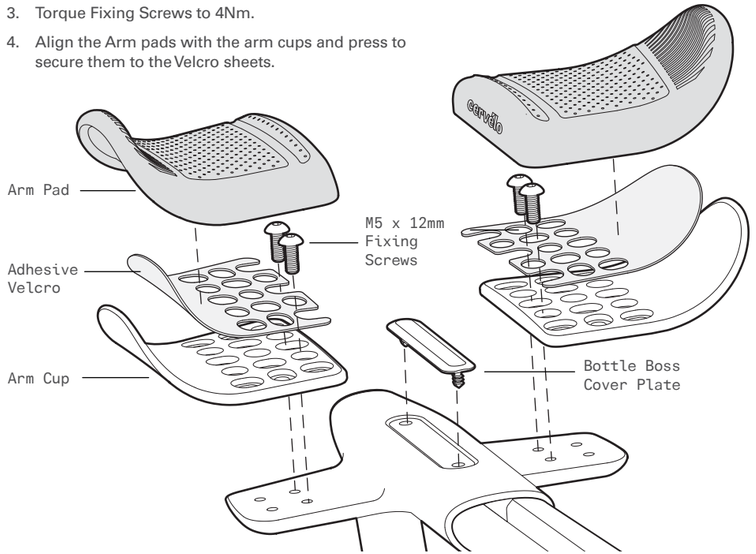
1. Use a light coloured grease pencil to accurately mark the cut-off location on the Monoriser Post. **See table below for the exact number based on frame size.**
2. Insert the Monoriser Post in the ParkTool SG-6 Saw Guide (or equivalent) so that the cut-off line can be seen clearly through the blade guide in the tool.
3. Using a blade designed specifically for cutting carbon; proceed with cutting the stem steerer (as per ParkTool's instructions).
4. Carefully file the cut end removing any rough edges.

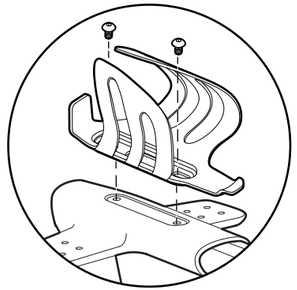
Frame Size (cm)	Trim Ammount for Lowest Stack (w/ riser plug)
48	70mm
51	56mm
54	39mm
56	20mm
58	0mm

⚠ WARNING
If trimming is required, final length should allow for a minimum 70mm of Monoriser Post 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.

EX11 ARM CUP AND PAD INSTALLATION

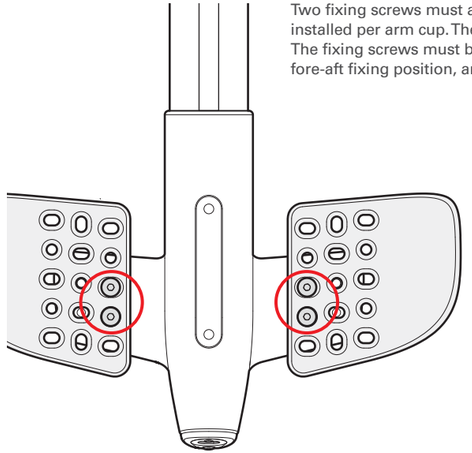
1. Clean Arm Cups with isopropyl alcohol and apply Velcro sheets.
2. Attach Arm Cups to the Riser Post using two lightly greased M5 Fixing Screws.
3. Torque Fixing Screws to 4Nm.
4. Align the Arm pads with the arm cups and press to secure them to the Velcro sheets.



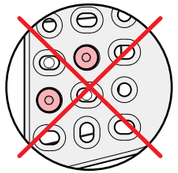


Aerobar water bottle mount, torque M5 x 8mm fixing screws to 2Nm.

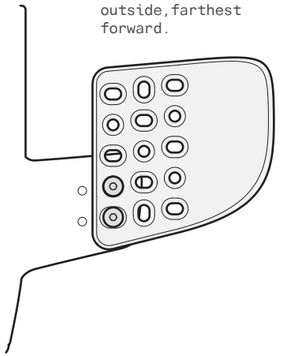
EX11 ARM CUP POSITIONS



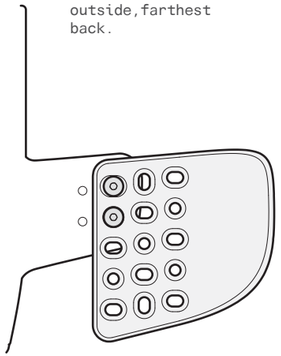
Two fixing screws must always be installed per arm cup. The fixing screws The fixing screws must be in installed in fore-aft fixing position, and not diagonal.



⚠ WARNING
Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and potentially serious injury.

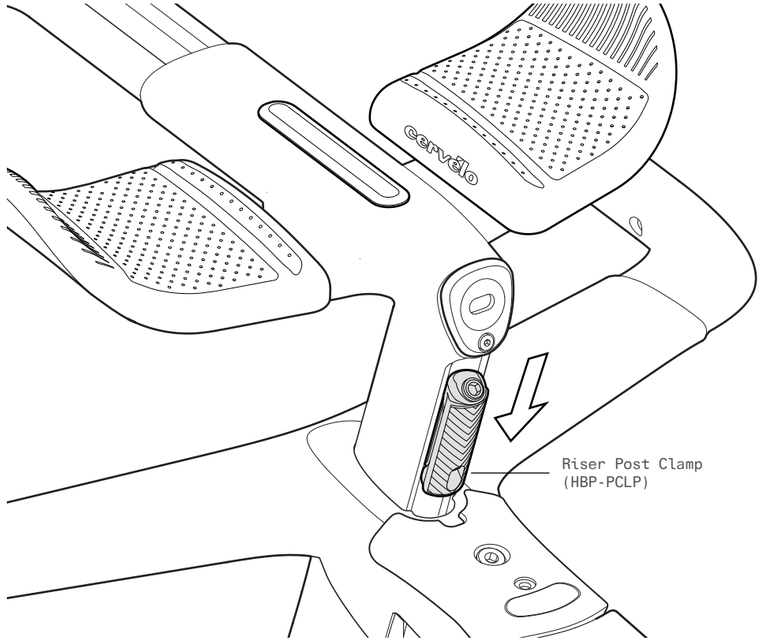


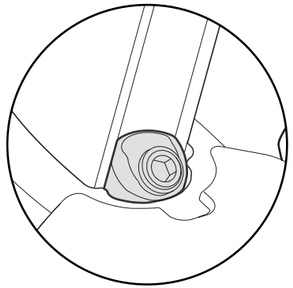
Position: Farthest outside, farthest forward.



Position: Farthest outside, farthest back.

EX11 MONORISER ASSEMBLY INSTALLATION



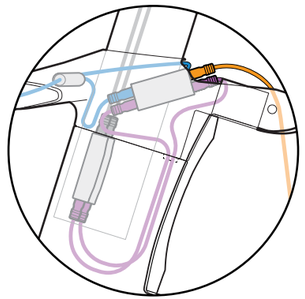


1. Apply a light coat of carbon assembly compound to Riser Post, and install into fork.
2. Apply a light coat of carbon assembly compound to chevron and rear surfaces of the Riser Post Clamp, and install at rear of Riser Post ensuring that the clamp is fully inserted, and no chevrons are visible.
3. Torque to 8Nm.

EX11 MONORISER & HB11 BASEBAR ROUTING

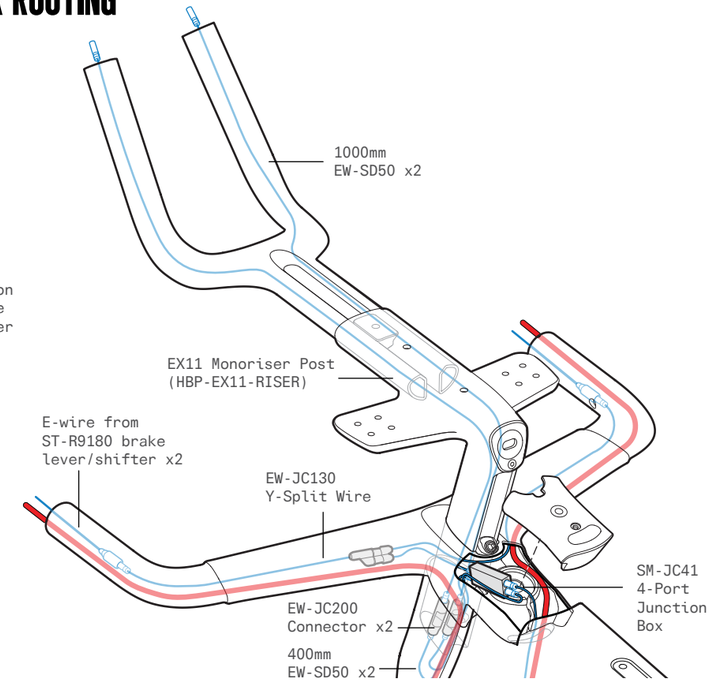
Shimano Di2

- Brake
- E-Wire(SD50)

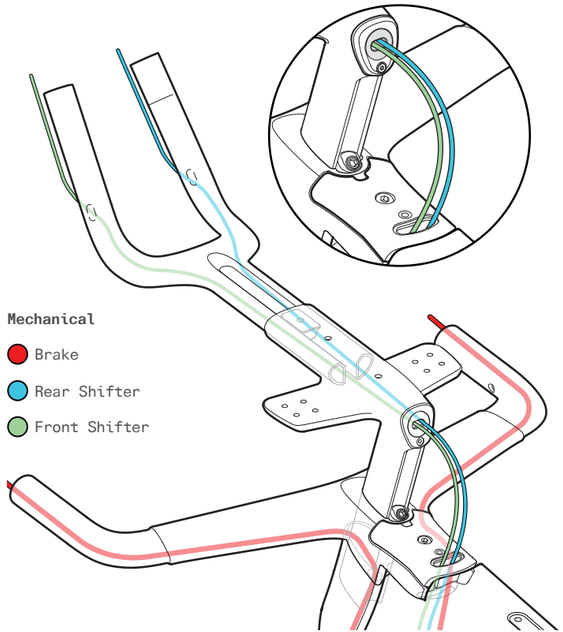


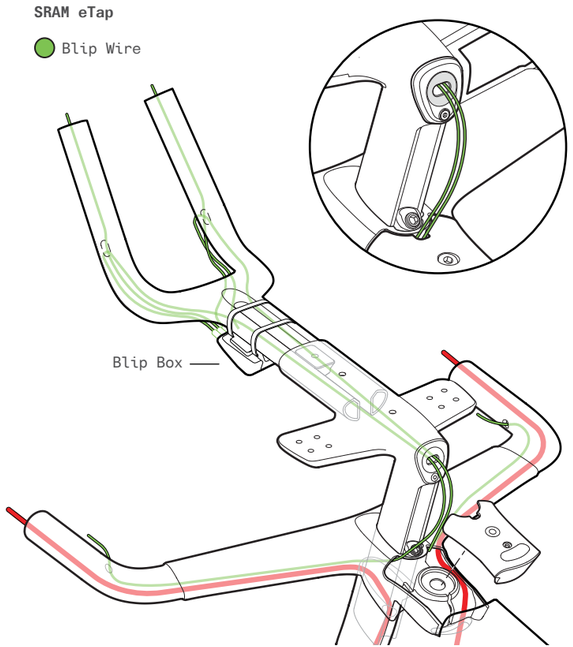
Insert the SM-JC41 4 Port Junction Box into the Basebar after wiring is complete.

- 1000mm(x2)EW-SD50 wires from extensions to EW-JC200 connectors
- EW-JC130 Y-Split Wire to ST-R9180 shifters and SM-JC41
- 400mm(x2)EW-SD50 wires from EW-JC200s to SM-JC41
- 400mm EW-SD50 wire to EW-AD305 adapter



EX11 MONORISER & HB11 BASEBAR ROUTING





INTENDED USE OF THE P5 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 P5

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.

P5 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 & Fork		
Bottom bracket cable guide bolt	1 Nm	
Rear derailleur hanger fixing nut	12 to 15 Nm	Finger tight prior to rear wheel installation, final torque to approximate torque using open ended wrench
Computer mount (Barfly 4 Spoon)	3 Nm	
Riser mount Di2 junction fixing screw	1-2Nm	
Stem		
Riser post clamp	8 Nm	
Preload compression plug in fork steerer	8 Nm	
Stem top cap	1 to 2 Nm	Apply enough torque to remove play while ensuring free rotation of the headset
Stem cover to stem	1Nm	
Basebar clamping screw & Fork clamping screw	5Nm	
Aerobar extensions – Cervélo aerobar		
Extension Clamp	4 Nm	
Arm Pad Carrier	4 Nm	
Seatpost Clamp (frame to seatpost)		
Wedge clamp – rounded (front)	8 Nm	Use carbon assembly compound between the seatpost and the frame
Saddle Clamp (seatpost head bolts) – Aero Tri/TT		
Saddle clamp bolts	12 Nm	
Seatpost head to rail connector bolt	6 to 7 Nm	

P5 FRAME DETAILS

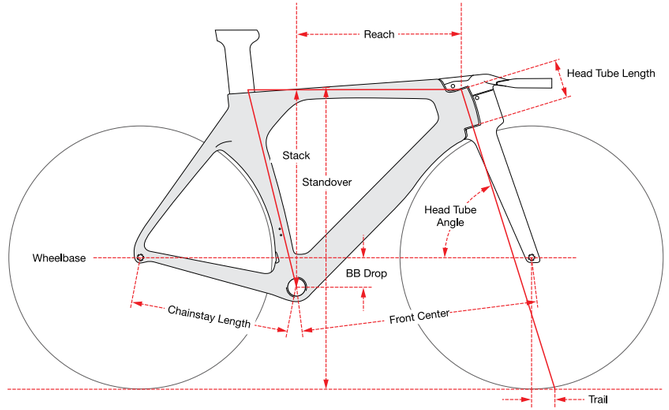
P5 (FM131)	
Bike Name	P5
Model Year	2019
Serial Number Code	SNP5D
Frame Code	FM131
Fork Code	FK63
Brake Mount Type	Flat Mount Disc
Chainstay Height (Flat Mount)	30mm
Frame Sizes	48/51/54/56/58
Wheel Size	700C
BB Type	BBRight
Headset Type	Intergrated 1" X 1-3/8"

P5 (FM131)	
Upper Headset Bearing Dimensions	1", 27.2x38x6.5, 36°x45°
Lower Headset Bearing Dimensions	1-3/8", 37x48.9x6.5, 36°x45°
Seatpost	SP-SP23
Seatpost Clamp	SPC-0E0P
RD Hanger	DRH-WMN112
RD Hanger (Shimano DM)	DRH-SDM
FD Hanger	FDM-0E0
Front Axle Dimensions	12 X 100mm
Rear Axle Dimensions	12 X 142mm
Fork Dropout Insert	QRI-THD
Maximum Tire Width (Actual)	28mm with 4mm clearance*

* 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.

P5 FRAME GEOMETRY

P5 (FM131)	48cm	51cm	54cm	56cm	58cm
Reach	388mm	404mm	418mm	431mm	444mm
Stack	466mm	486mm	503mm	521mm	540mm
Bottom Bracket Drop	75mm	75mm	75mm	75mm	75mm
Chainstay Length	405mm	405mm	405mm	405mm	405mm
Head Tube Angle	71°	72.5°	72.5°	72.5°	72.5°
Fork Offset	52mm	43mm	43mm	43mm	43mm
Front Center	582mm	583mm	602mm	622mm	640mm
Head Tube Length	67.5mm	81mm	98mm	117mm	137mm
Wheelbase	975mm	976mm	995mm	1015mm	1033mm
Standover Height	732mm	758mm	773mm	790mm	808mm
Seat Tube Length	467mm	495mm	511mm	528mm	547mm



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.

NOTES

2023 P5 RETAILER ASSEMBLY MANUAL

CER-P5D-V2 2023-02-20

www.cervelo.com

cer