2024 P5 RETAILER ASSEMBLY MANUAL

cervélo

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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/

⚠ WARNING
This product contains one or more button cell or coin batteries.

INGESTION HAZARD: DEATH or serious injury can occur if ingested.

- **A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.**
- **KEEP new and used batteries OUT OF REACH OF CHILDREN.**
- **Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.**



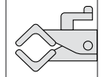
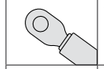
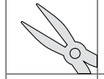
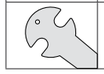
⚠ WARNING
This product contains chemicals known to the State of California to cause Cancer, Birth Defects, or Other Reproductive Harm.

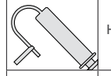
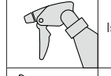
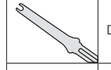
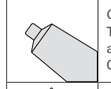
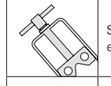
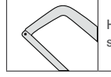
LIST OF TOOLS AND SUPPLIES

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.

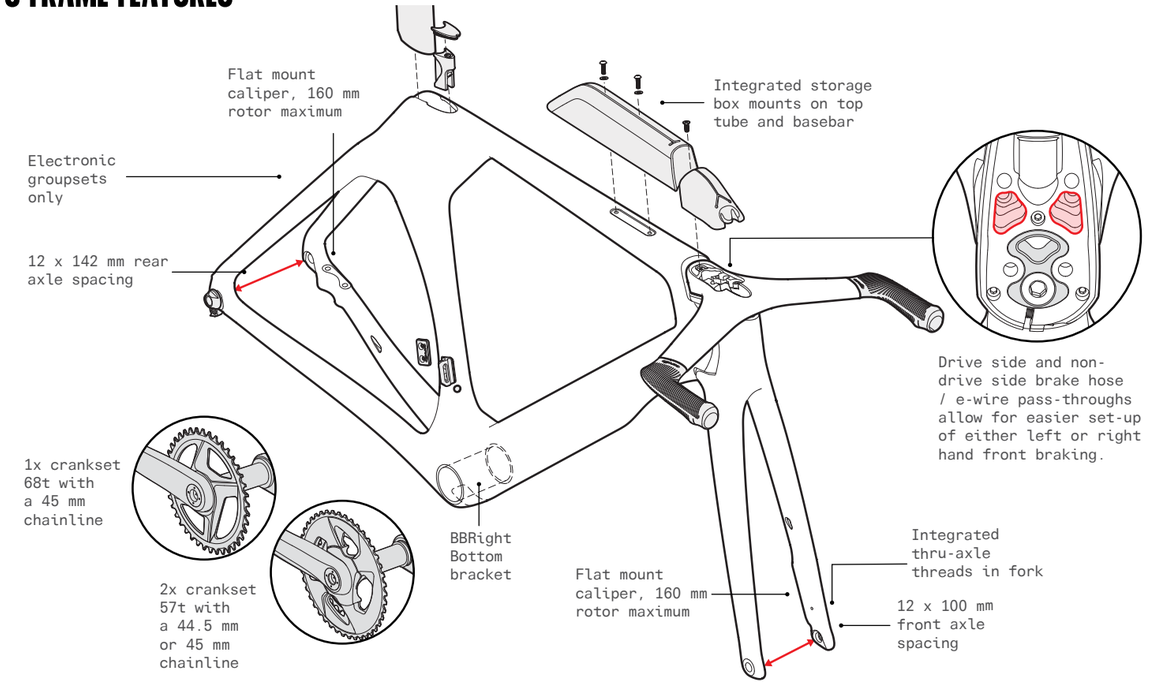
NOTE: All non-proprietary components such as those from Shimano or SRAM are available from your local distributor.

NOTE: This manual was developed to compliment the Cervélo Bicycle 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 2.5 N·m to 15 N·m and / or 10 N·m to 60 N·m range and adaptors:
	Allen (Hex) head inserts: 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm
	Open ended wrenches: 7 mm, 8 mm, 10 mm, 17 mm
	Cable cutters
	Pliers
	Phillips-head screwdriver
	Slot-head screwdriver
	Pedal wrench

Tools	
	Internal cable routing tool
	Brake rotor / bottom bracket lockring tools
	Hydraulic brake bleed kit
	Isopropyl alcohol
	Di2 wire tool – Shimano
	Good quality bicycle grease (Park Tool HPG-1 or equivalent) & carbon assembly compound (Dynamic Assembly Compound Carbon or equivalent)
	Saw cutting guide (ParkTool SG-7.2 or equivalent)
	Hacksaw (with carbon and aluminum specific blades)

P5 FRAME FEATURES



P5 PARTS LIST

Item Description	Cervélo Part No.
FK148 Tension Rod Kit (Frame Size Specific)	**see page 17**
S5F FK Tension Rod Bumper	HS-581
P5F Fork Gap Spacer Kit	FKI-GPSP-758
FSA Headset Bearing 1-1/8" 36° x 45°	HS-054
FSA Headset Bearing 1-1/4" 45° x 45°	HS-082
Cervélo Front Aero Thru-Axle with Removable Handle	QRA-AERO2-F
Removable Handle For Cervélo Aero Thru-Axle	QRA-AERO2-HNDL
Cervélo Rear Aero Thru-Axle with Removable Handle	QRA-AERO2-R

Item Description	Cervélo Part No.
BB Blanking Plug R5	GR-BB-140
6mm Blanking Plug	GR-576
Shimano SD300 Grommet for 6mm Hole	EW-GM300-S
Front Derailleur Mount with Fixing Screws	FDM-0E0
Front Derailleur Mount Blanking Plate	FDM-CVR
Chainstay Protector 508	PRO-CS-508
Rear Derailleur Hanger with Fixing Nut	DRH-WMN112
Shimano Direct Mount RDH with Fixing Nut	DRH-SDM
Seat Post Clamp Cover	SPCC-759

Item Description	Cervélo Part No.
Seat Post Clamp Assembly P Series	SPC-0E0P
SB03 Top Tube Storage Box	SB-SB03-TT
Bottle Boss Cover Plate	CVR-WB
Aero Water Bottle and Cage	WB-WB01
SP23 Long Carbon Seatpost with Head	SP-SP23-L-B
P Series Seatpost Battery Mount	MT-BINT-SP
Seatpost Water Bottle Mount	MT-WB-SP
Seatpost Head Mounting Slug	SPS-SP2123

P5 PARTS LIST

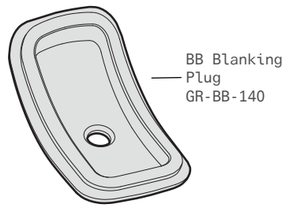
Item Description	Cervélo Part No.
HB15 Basebar Assembly (HB15 Basebar, 380 mm, HB15 Basebar Grip Set, HB15 Standard Stack Basebar Fixing Screws (45 mm) x4, HB15 UCI Basebar Cover, HB15 Basebar Storage Baseplate, HB15 Basebar Cover M4 Fixing Screw)	HB-HB15
HB15 Standard Stack Mounting Hardware Kit (45 mm Fixing Screws x4)	HBP-045
HB15 Extra Stack Mounting Hardware Kit (65 mm Fixing Screws x4)	HBP-065
HB15 Basebar Grip Set- Left and Right	HBP-GRIPS
P5F Headset Spacer Kit	HSS-P5F-KT
HB15 UCI Basebar Cover and Storage Baseplate with M4 Fixing Screw	HBP-HB15-761

Item Description	Cervélo Part No.
HB15 Basebar Storage	SB-HB15-760
EX14 Handlebar Pad Set with with Adhesive Velcro	HBP-EX14-PADS
EX14 Pad Rests with Fixing Screws x4	HBP-EX14-RESTS
EX10 Pad Mount with Extension Fixing Screws x4 and Bottle Cage Fixing Screws x2	HBP-EX10-PADMT
EX14 Riser Post Assembly with Tilt Adjust Plate and Fixing Screws x2	HBP-EX14-RISER
EX14 Tilt Adjust Plate with Fixing screws x2	HBP-EX14-ADJPL
P5 Riser Post Clamp	HBP-PCLP

Item Description	Cervélo Part No.
EX14 Riser Assembly Bolt Kit (Tilt Adjustment Fixing Screws x2, Pad Mounting Fixing Screws x 2, Bottle Cage Fixing Screws x2, Pad Mount Extension Fixing Screws x4)	HBP-EX14-BTKT
EX14 Extension Plug Kit	HBP-EX14-PLUG
EX14 Bottle Mount with Bottle Cage Fixing Screws x2	HBP-EX14-BOTMT
EX14 Extensions, 35 Degree Bend with Extension Plug Kit	HBP-EX14-EXT35D

SMALL PARTS

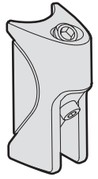
Designed to accommodate electronic and hydraulic controls, the P5 frame is engineered to provide seamless integration of all shifting systems, regardless of method or brand. In order to do so, you will require the parts shown below. Not all parts will be used, depending on the groupset fitted to the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



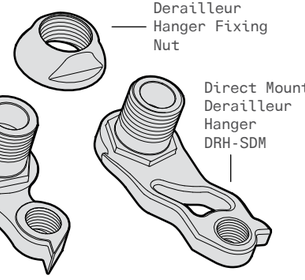
BB Blanking Plug
GR-BB-140



Seat Post Clamp Cover SPCC-759



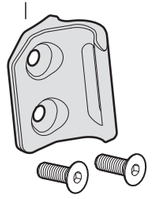
Seatpost Clamp
SPC-0E0P



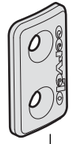
Derailleur Hanger Fixing Nut

Direct Mount Derailleur Hanger DRH-SDM

Derailleur Hanger DRH-WMN112



Front Derailleur Mount with Fixing Screws FDM-0E0



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



Riser Post Clamp
HBP-PCLP

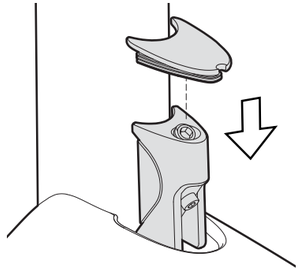


Chainstay Blanking Plug(6 mm) x2
GR-576

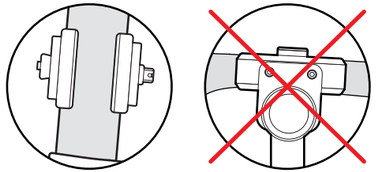


SD300 Grommet for 6 mm Hole x2
Shimano p/n EW-GM300-S

FRAME PREPARATION

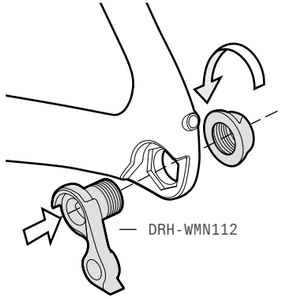


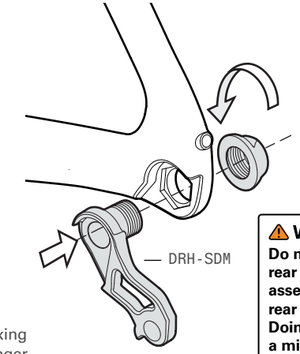
1. Apply carbon paste to both frame and seatpost.
2. Insert Seatpost Clamp (SPC-0E0P) fully into frame so it is flush with the top tube.
3. Adjust height and torque to 8 N·m maximum.
4. Finish by pressing Seatpost Clamp Cover (SPCC-759) into place.



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

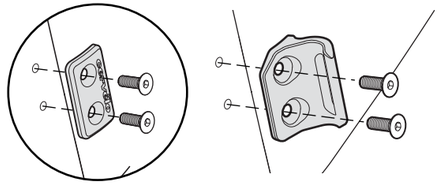
⚠ WARNING
Hold the frame using a secured seatpost only.



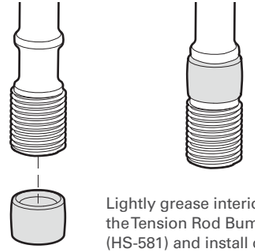


Lightly grease Rear Derailleur Hanger Fixing Nut and install either Rear Derailleur Hanger (DRH-WMN112) or Direct Mount Rear Derailleur Hanger (DRH-SDM) finger tight. Final tightening will be performed after rear wheel installation.

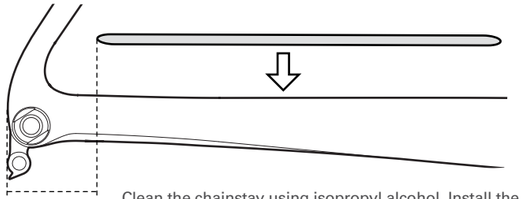
⚠ WARNING
Do not final tighten rear derailleur hanger assembly without rear wheel installed. Doing so may result in a misaligned derailleur and poor shifting.



Install Front Derailleur Mount (FDM-0E0). If not already present, apply Loctite® 243 to the fixing screws, and torque to 3 N·m., and ensure fixing screws are torqued to 3 N·m. For 1x systems replace with the Front Derailleur Mount Blanking Plate (FDM-CVR).

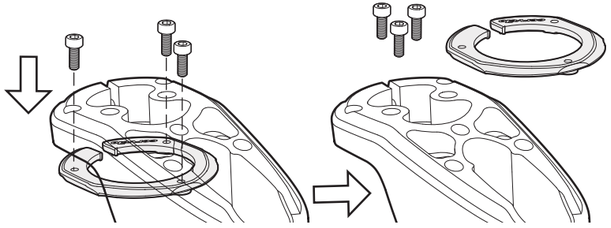


Lightly grease interior of the Tension Rod Bumper (HS-581) and install onto Tension Rod (see page 17).

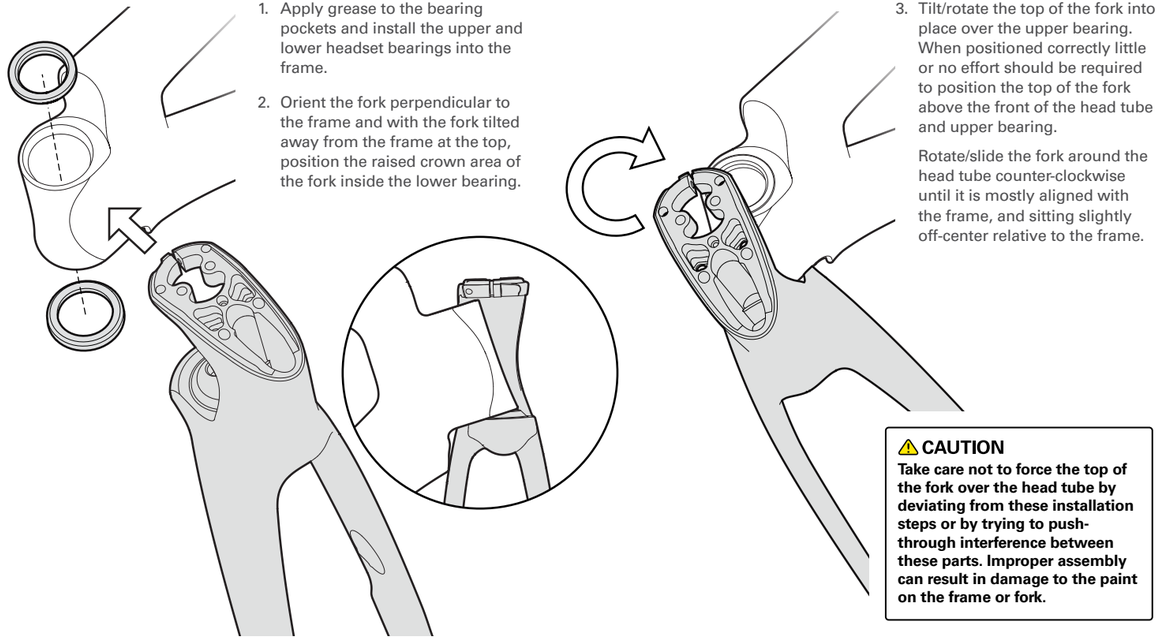


Clean the chainstay using isopropyl alcohol. Install the Chainstay Protector (PRO-CS-508) by removing adhesive backing, and fixing the guard to the frame. The bottom rearward edge should be approximately 50 mm forward from the back of the rear dropout.

In preparation for assembly, pre-form threads in the Upper Bearing Gap Spacer (FKI-GPSP-758) by installing the supplied M3 x 8 mm fixing screws with the fork separate from the frame. Then remove the screws and Gap Spacer. The Gap Spacer will be installed on the fork after installation on the frame, and pre-forming simplifies the process.



FORK INSTALLATION



1. Apply grease to the bearing pockets and install the upper and lower headset bearings into the frame.
2. Orient the fork perpendicular to the frame and with the fork tilted away from the frame at the top, position the raised crown area of the fork inside the lower bearing.
3. Tilt/rotate the top of the fork into place over the upper bearing. When positioned correctly little or no effort should be required to position the top of the fork above the front of the head tube and upper bearing.

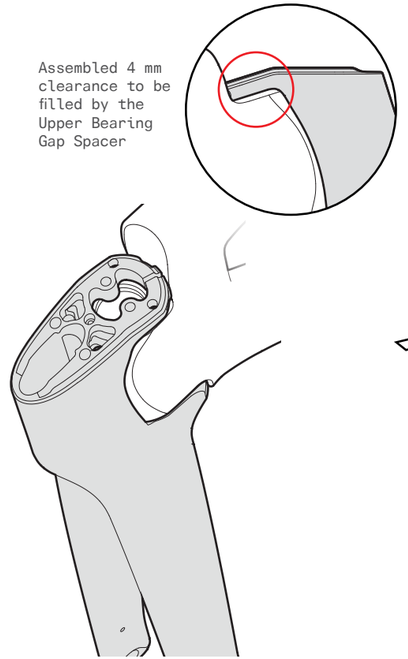
   Rotate/slide the fork around the head tube counter-clockwise until it is mostly aligned with the frame, and sitting slightly off-center relative to the frame.

⚠ CAUTION

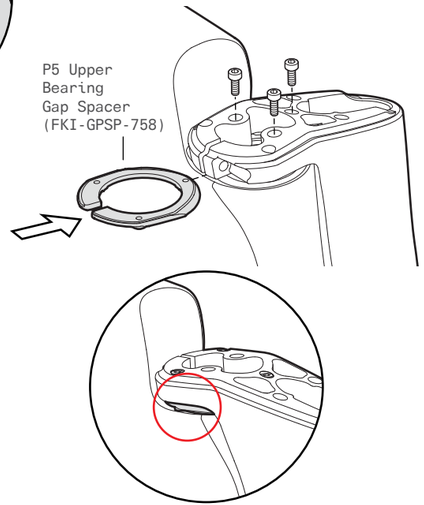
Take care not to force the top of the fork over the head tube by deviating from these installation steps or by trying to push-through interference between these parts. Improper assembly can result in damage to the paint on the frame or fork.



4. With the lower bearing mostly seated in this position, gently slide the fork laterally and let the crown settle fully into the lower bearing. Once fully seated, the top of the fork can be fully aligned above the upper bearing.



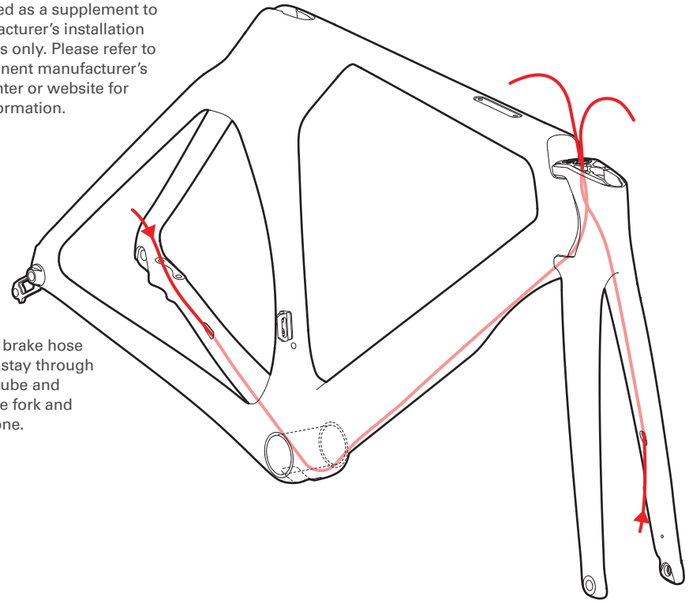
5. Rotate fork perpendicular to frame and install the Upper Bearing Gap Spacer. Fasten with the M3 x 8 mm fixing screws, torque to 1 N·m (finger tight).



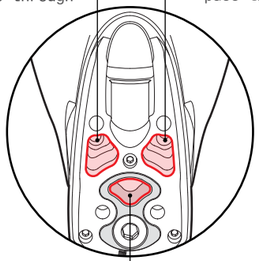
BRAKE HOSE ROUTING

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

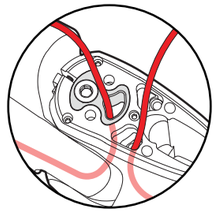


Route rear brake hose from chainstay through the down tube and through the fork and Preload Cone.

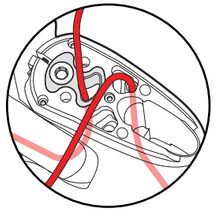


Insert an internal cable routing tool through the desired pass-through on the top of the fork and out the fork leg.

Guide the front brake hose up from bottom of fork and out the top.



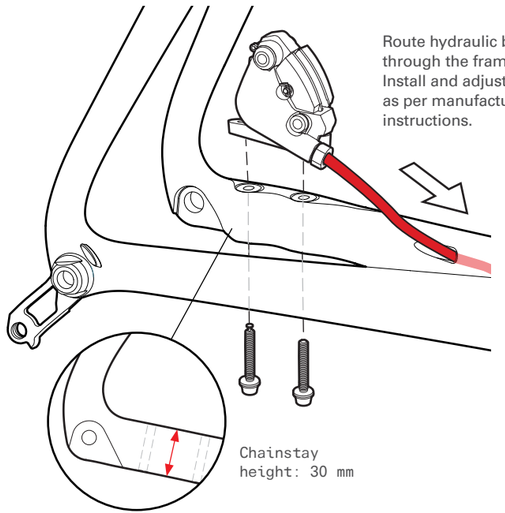
Left hand (non-drive side) front brake.



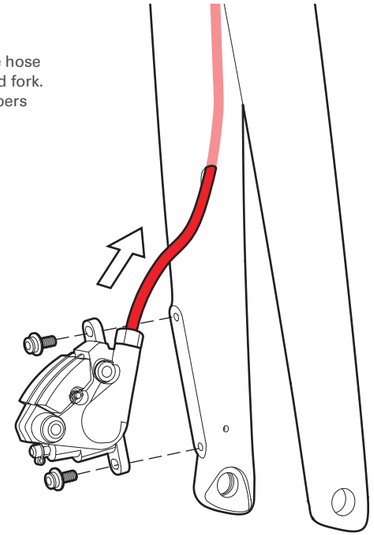
Right hand (drive side) front brake.

The rear brake hose always exits through the preload cone.

Drive side and non-drive side brake hose / e-wire pass-throughs allow for easier set-up of either left or right hand front braking.



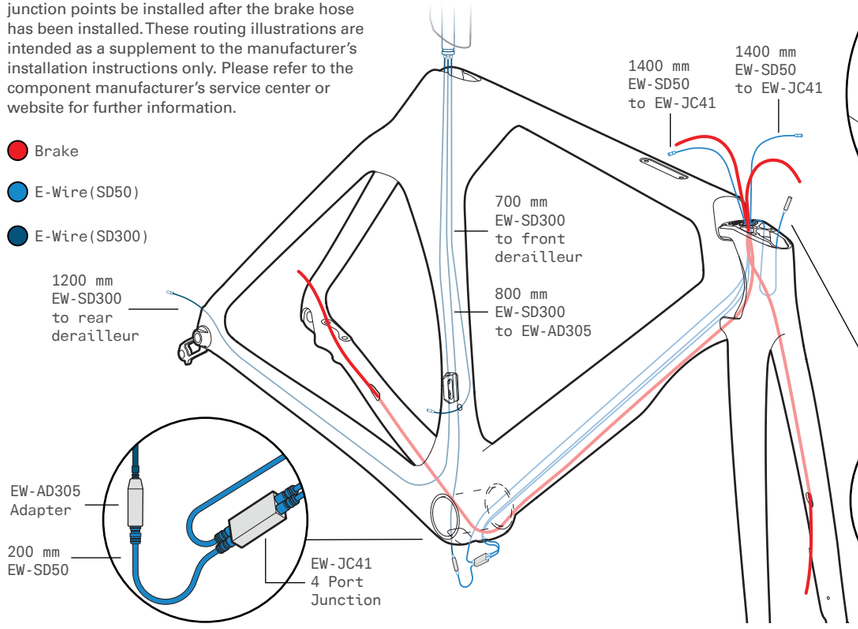
Route hydraulic brake hose through the frame and fork. Install and adjust calipers as per manufacturer's instructions.

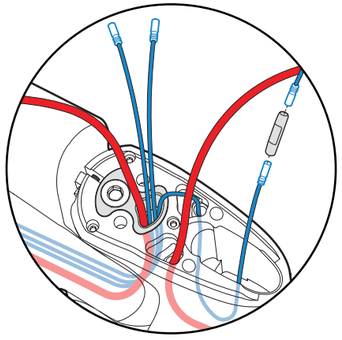


ELECTRIC WIRE ROUTING

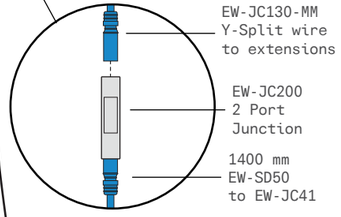
It is recommended that electric cabling and junction points be installed after the brake hose has been installed. These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further information.

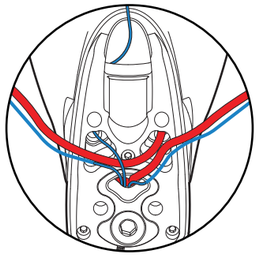
- Brake
- E-Wire(SD50)
- E-Wire(SD300)



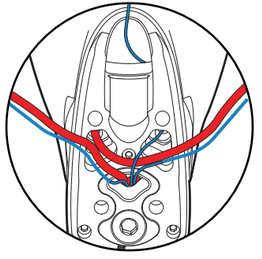


Left hand (non-drive side) front brake set-up shown. Right hand set-up reverses front brake hose and e-wire pass-throughs.

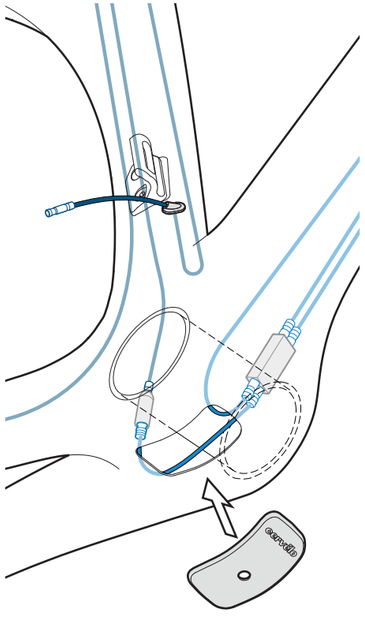




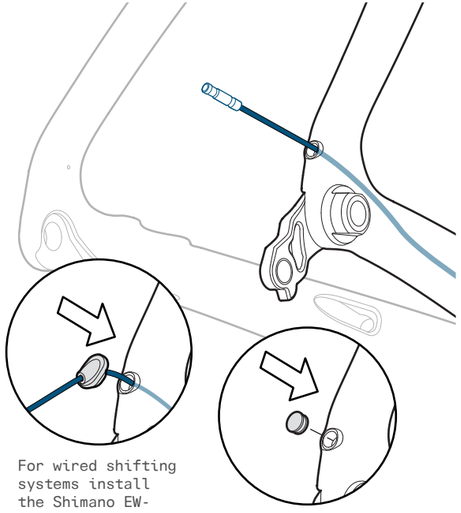
Left hand (non-drive side) front brake routing.



Right hand (drive side) front brake routing.



Cap the Bottom Bracket Cable Port with the BB Blanking Plug (GR-BB-140).



For wired shifting systems install the Shimano EW-SD300 grommet for 6 mm hole (sold by Shimano).

For wireless shifting systems install the Blanking Plug (GR-576).

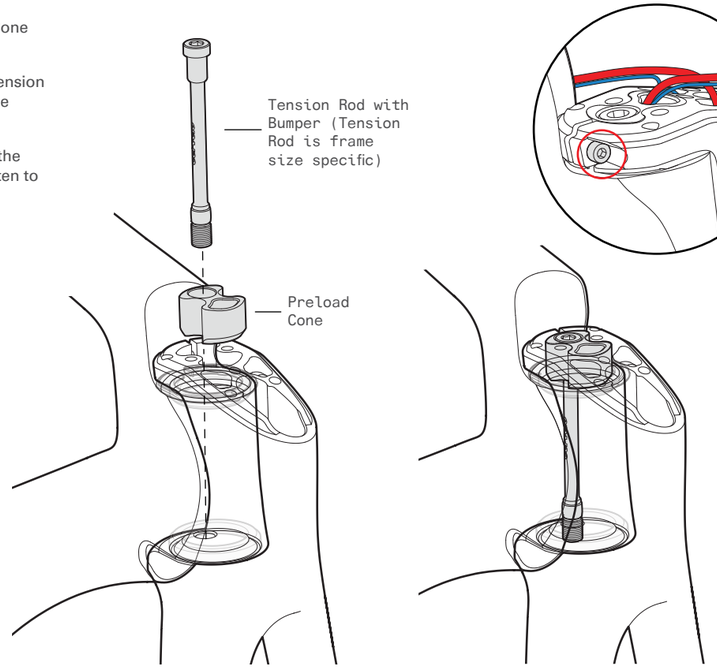
HEADSET ASSEMBLY

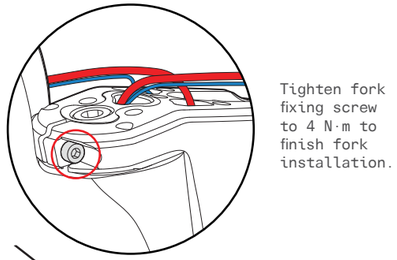
1. Apply grease to Preload Cone and install.
2. Grease threaded end of Tension Rod and install. Tighten the Tension Rod to 2 N·m.
3. Rotate the fork to expose the fork fixing screw and tighten to 4 N·m maximum.

P5 Tension Rod Kit (Tension Rod, Bumper and Preload Cone)

48 cm HTR-764
51 cm HTR-765
54 cm HTR-766
56 cm HTR-767
58 cm HTR-768
61 cm HTR-769

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



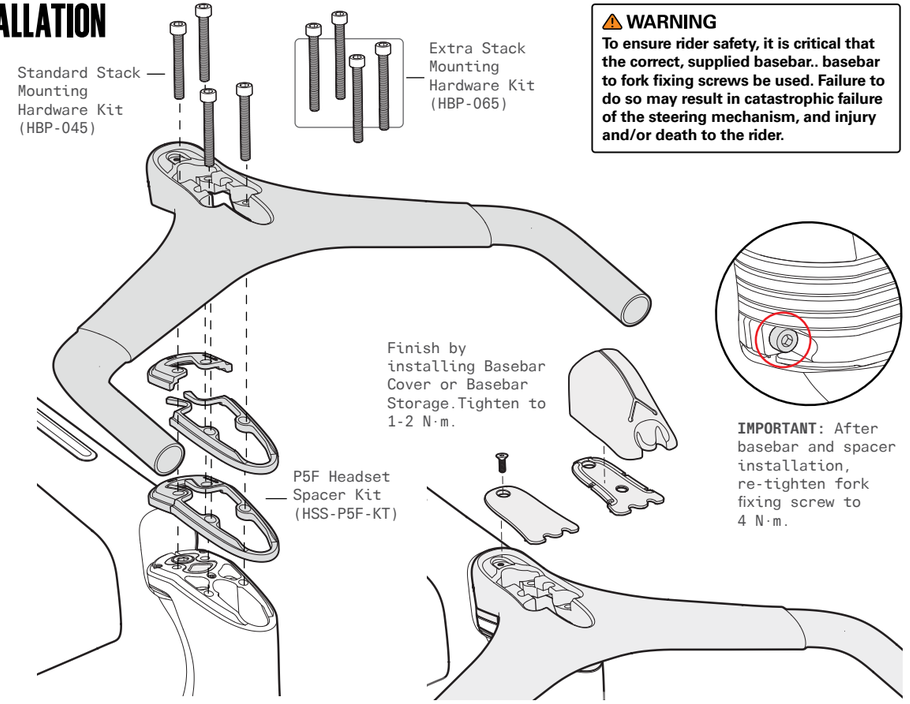


Tighten fork fixing screw to 4 N·m to finish fork installation.

HB15 BASEBAR INSTALLATION

1. Ensure Loctite 243 or equivalent thread locker is applied to the four basebar fixing screws.
2. Lightly grease bottom surface of basebar and top edge surfaces of the required Headset Spacers.
3. Tighten the fixing screws in an alternating pattern until they reach 8 N·m torque.
4. Initially there might be a gap between the bar and spacers and/or the bar and fork. Once tightened properly the gap will disappear.
5. Rotate fork to expose fork fixing screw and re-tighten to 4 N·m.

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



IMPORTANT: After basebar and spacer installation, re-tighten fork fixing screw to 4 N·m.

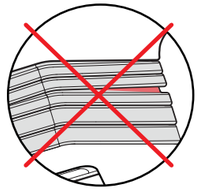
⚠ WARNING
To ensure rider safety, it is critical that the correct, supplied basebar.. basebar to fork fixing screws be used. Failure to do so may result in catastrophic failure of the steering mechanism, and injury and/or death to the rider.

STACK ADJUSTMENT

⚠ WARNING
Specific Basebar Stack Mounting Hardware Kits must be utilized for specific stack ranges. 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.

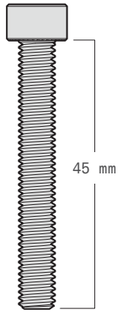
The P5 allows for spacer stack adjustment from +5 mm to +40 mm above the base ("slammed") position in 5 mm increments.

For spacer stack adjustment between **0 mm and 20 mm**, use only the Standard Stack Mounting Hardware Kit HBP-045 (45 mm fixing screw).

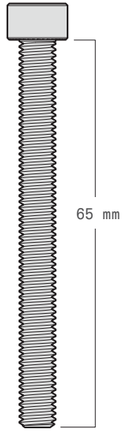


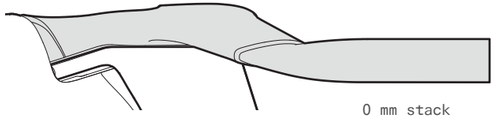
Ensure Stem Fixing Screws are tightened in an alternating pattern and that the gap between stem and all spacers remains even.

Use only for stack between 0 mm and 20 mm

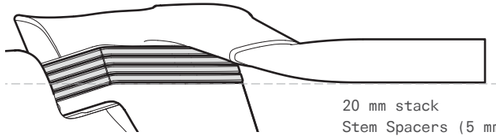


Use only for stack between 25 mm and 40 mm



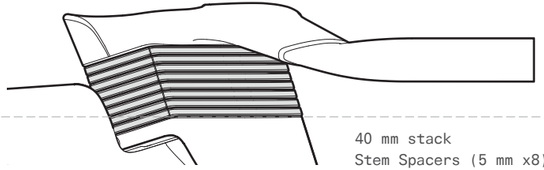


0 mm stack
No Stem Spacers



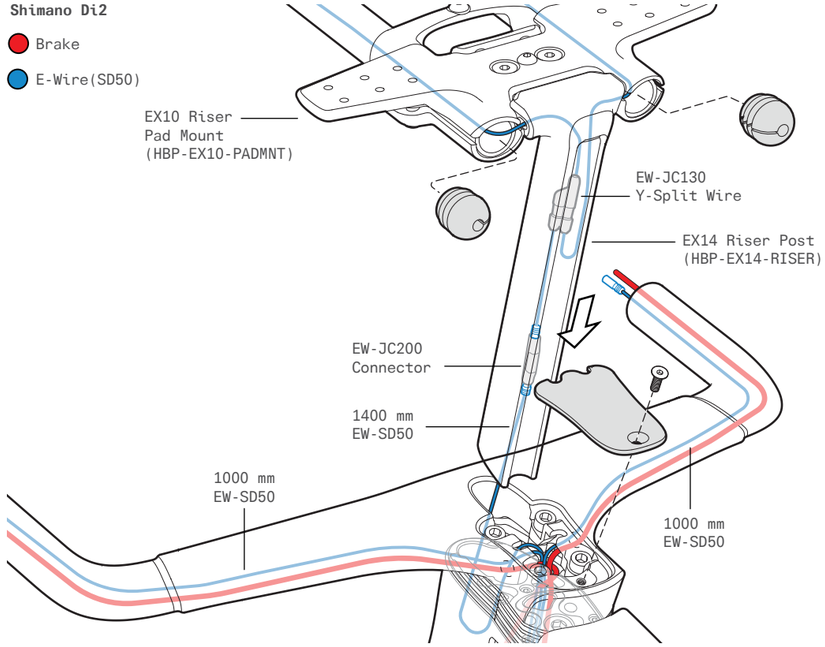
20 mm stack
Stem Spacers (5 mm x4)

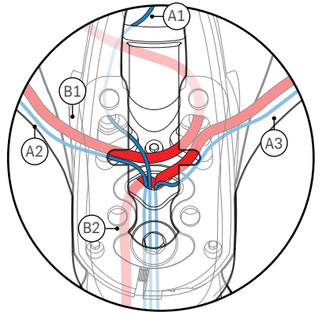
For spacer stack adjustment from **25 mm to 40 mm (maximum)**, use only the Extra Stack Mounting Hardware Kit HBP-065 (65 mm fixing screw).



40 mm stack
Stem Spacers (5 mm x8)

EX14 RISER AND HB15 BASEBAR ROUTING

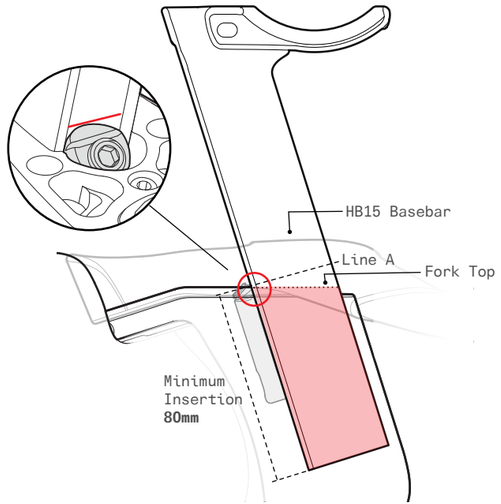




Item	Description
A1	1400 mm EW-SD50 EW-JC200 connector to EW-JC41 four port junction
A2	1000 mm EW-SD50 front basebar shifter to EW-JC41 4 port junction
A3	1000 mm EW-SD50 rear basebar shifter to EW-JC41 4 port junction
B1	Front brake hose
B2	Rear brake hose

EX14 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 80 mm inserted inside the fork, as measured at the trailing edge of the Riser Post where it intersects the top of the Riser Post Clamp.



1. Determine preferred Riser Post height. Use a light colored grease pencil to accurately mark the Riser Post at the trailing edge of the post where it intersects with the Riser Post Clamp (Line A).
2. Remove the Riser Post and and mark a second line 80 mm under Line A. This line defines the minimum insertion cut-off for the measured riser position. Any Riser Post extending below this point can be cut and removed.
3. 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.
4. Using a blade designed specifically for cutting carbon; proceed with cutting the Riser Post (as per ParkTool's instructions).
5. Use fine grit sandpaper to carefully remove any fraying or burring from the cut end of the Riser Post.

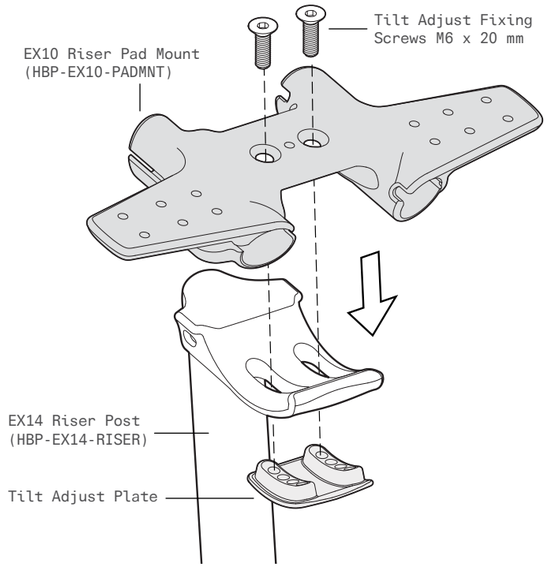
For lowest possible Riser Post stack based on frame size, see the table below for exact cut-off length.

Frame Size	Trim Amount for Lowest Stack
48 cm	100 mm
51 cm	88 mm
54 cm	81 mm
56 cm	62 mm
58 cm	42 mm
61 cm	21 mm

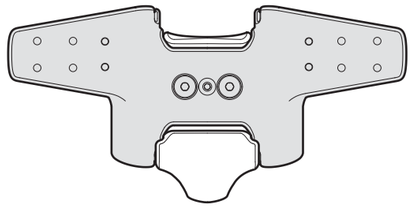
⚠ WARNING
If trimming is required, final length should allow for a minimum 80 mm of Riser Post remaining in the fork. Failure to meet this requirement, may result in damage to the frame not covered by warranty policy, or serious injury serious injury and/or death.

EX14 RISER ASSEMBLY

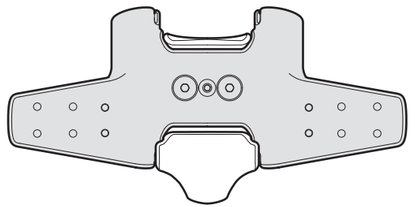
Attach Riser Pad Mount and Riser Post to Tilt Adjust Plate using four lightly greased M6 fixing screws. Torque to 6 N·m.



The Riser Pad Mount can be attached in two positions:



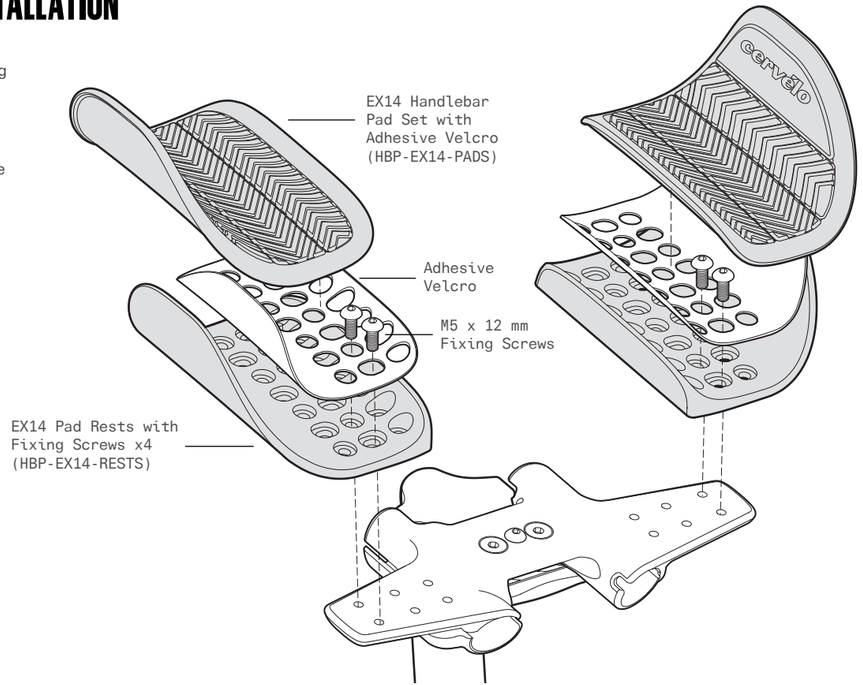
Forward Position



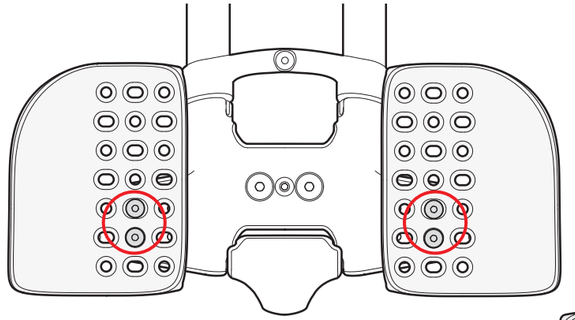
Setback Position

ARM CUP AND PAD INSTALLATION

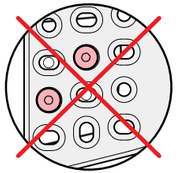
1. Attach Arm Cups to the Riser Post using two lightly greased M5 Fixing Screws.
2. Torque Fixing Screws to 4 N·m.
3. Clean Arm Cups with isopropyl alcohol, let dry, and apply Adhesive Velcro sheets.
4. Align the Arm Pads with the Arm Cups and press to secure them to the Adhesive Velcro sheets.



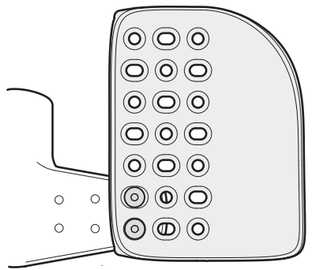
ARM CUP POSITIONS



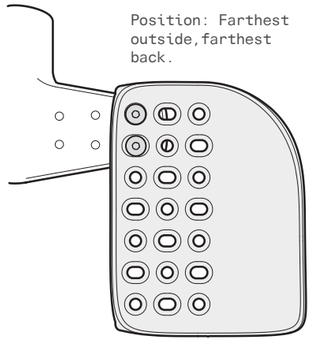
Two fixing screws must always be installed per arm cup. The fixing screws must be installed in fore-aft fixing position, and not diagonal.



Position: Farthest outside, farthest forward.



Position: Farthest outside, farthest back.

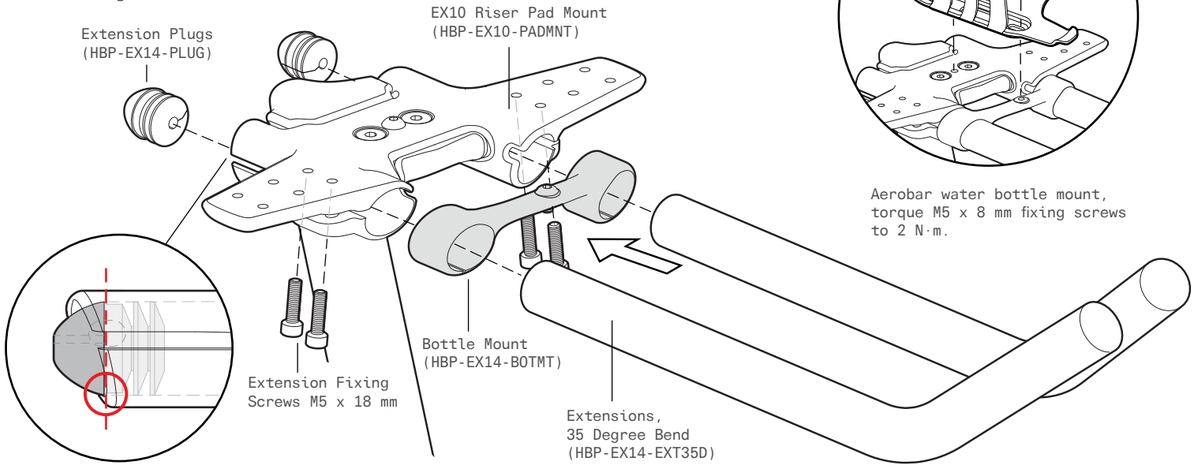


⚠ WARNING
Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and potentially serious injury and/or death.

EX14 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 the Extension Fixing Screws to 3 N·m.



Aerobar water bottle mount, torque M5 x 8 mm fixing screws to 2 N·m.

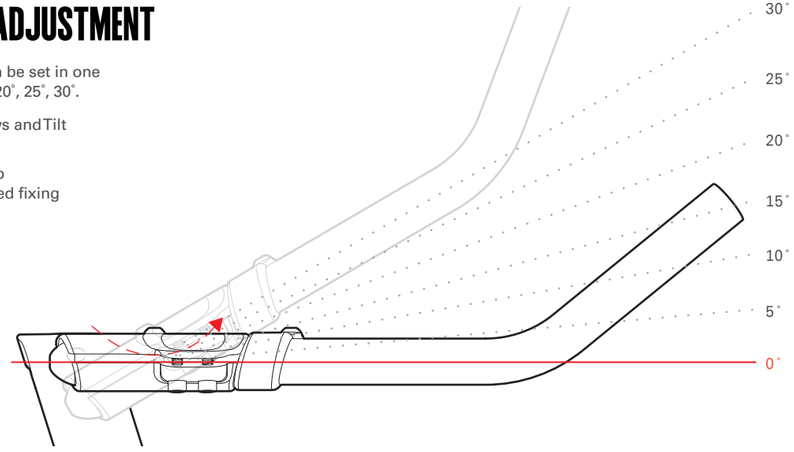
Extensions should be flush with bottom edge Riser Pad Mount for internal Di2 routing.

EX14 EXTENSION ANGLE ADJUSTMENT

The Riser Pad Mount and Extensions can be set in one of seven discrete angles: 0˚, 5˚, 10˚, 15˚, 20˚, 25˚, 30˚.

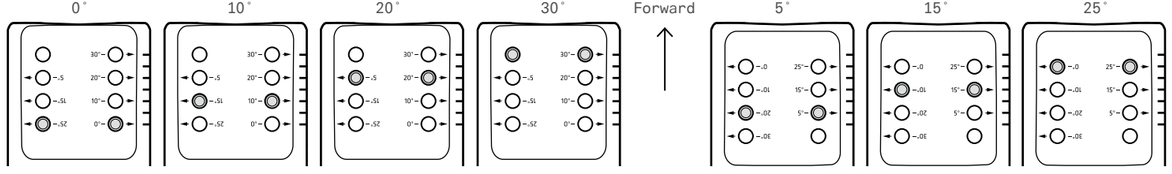
1. Remove both Tilt Adjust Fixing Screws and Tilt Adjust Plate.
2. Position Tilt Adjust Plate in one of two orientations, and install lightly greased fixing screws in appropriate holes.
3. Torque to 6 N·m.





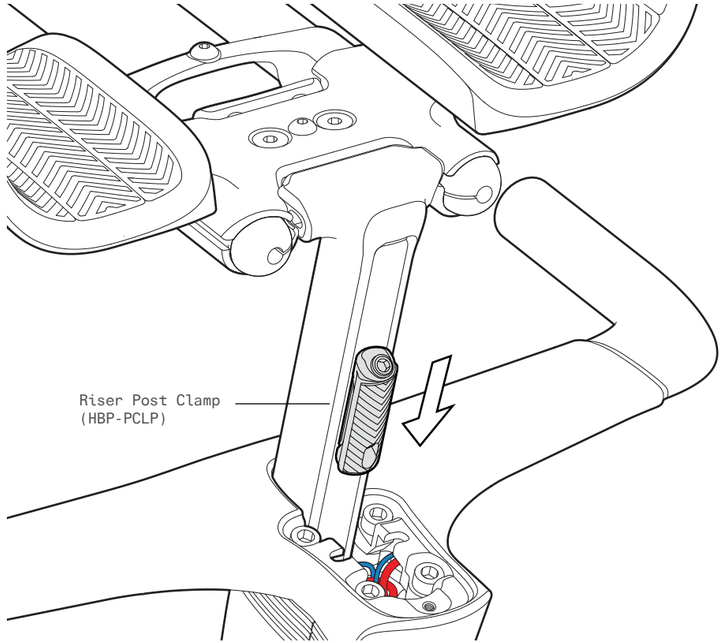
Tilt Adjust Plate Position 1:

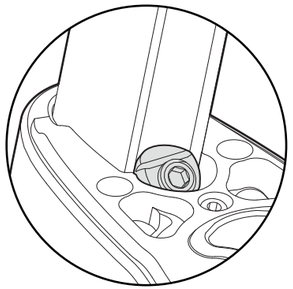
Tilt Adjust Plate Position 2:



Bottom View

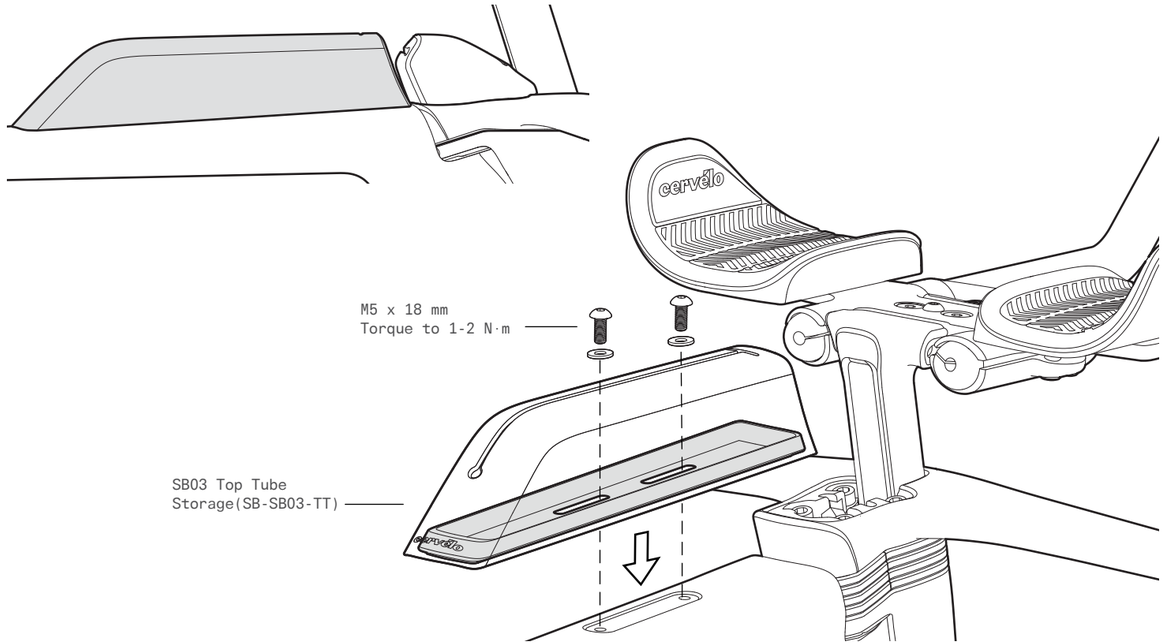
EX14 RISER POST CLAMP



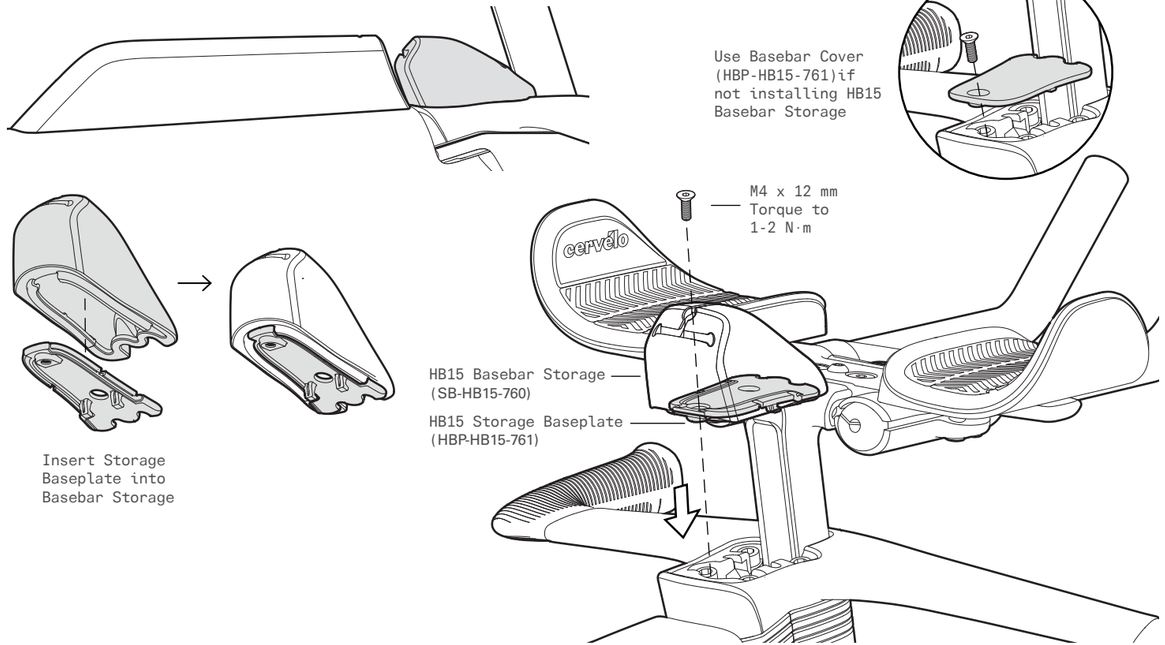


1. Apply a light coat of carbon assembly compound to Riser Post, and install into fork.
2. Apply a light coat of carbon assembly compound to the chevron and rear surfaces of the Riser Post Clamp. Install the clamp behind the riser post, making sure that it is fully inserted into the fork (no chevrons visible).
3. Torque the Riser Post Clamp to 8 N·m.

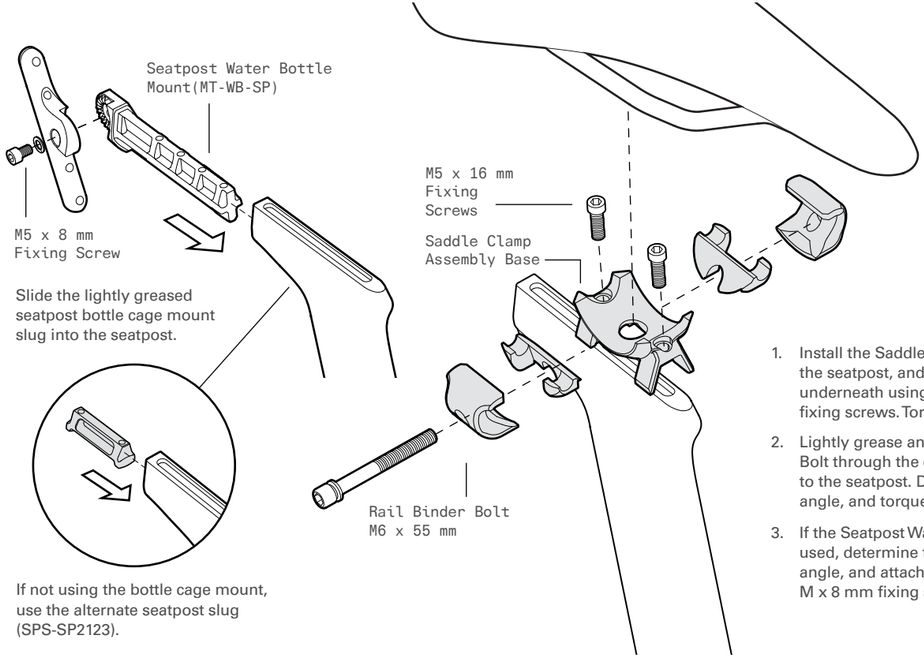
SB03 TOP TUBE STORAGE



HB15 BASEBAR STORAGE

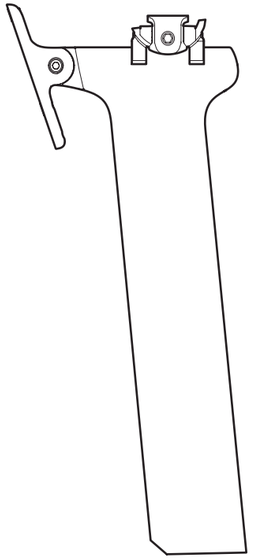


SEATPOST ASSEMBLY

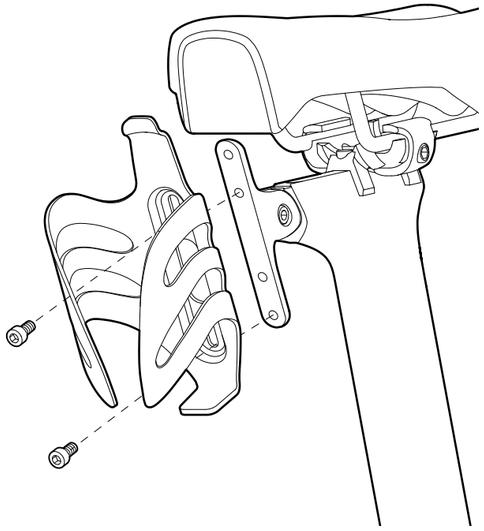


1. Install the Saddle Clamp Assembly Base on the seatpost, and connect to the seatpost slug underneath using lightly greased M5 x 16 mm fixing screws. Torque to 6-7 N·m.
2. Lightly grease and install the M6 x 55 Rail Binder Bolt through the clamps to secure the saddle rails to the seatpost. Determine the desired saddle angle, and torque the Rail Binder Bolt to 12 N·m.
3. If the Seatpost Water Bottle Mount is being used, determine the desired water bottle mount angle, and attach to the seatpost slug using the M x 8 mm fixing screw. Torque to 4 N·m.

SEATPOST ASSEMBLY



SP23 Long Seatpost
(SP-SP23-L-B)



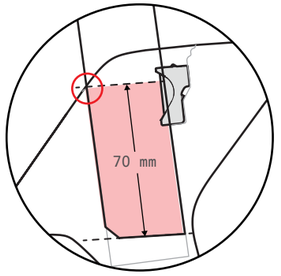
Attach water bottle cage using lightly greased M5 x 8 mm fixing screws. Torque to 2-3 N·m.

SEATPOST CUTTING INSTRUCTIONS

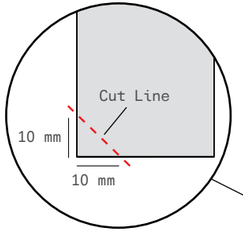
Note: It is essential that all Cervélo Aero Seatposts have a 45 degree chamfer cut on the trailing edge of the post. If trimming is required after fitting, the following method is recommended.

1. Taking care to maintain the minimum required seatpost insertion of 70 mm, 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-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 10 cm from the cut end.
5. With a grease pencil, mark a point 10 mm from the cut end on the trailing edge of the Seatpost, and another 10 mm 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 70 mm 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 and/or death.



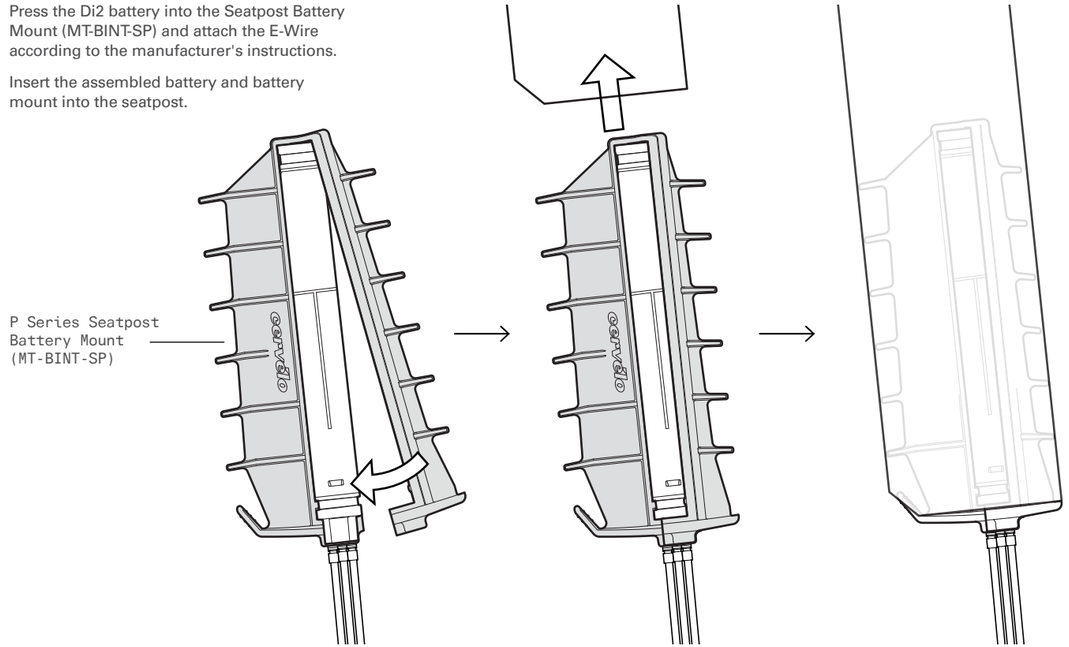
The minimun seatpost insertion measurement of 70 mm should be taken from the rear edge of the frame/ seatpost interface.



SEATPOST DI2 BATTERY INSTALLATION

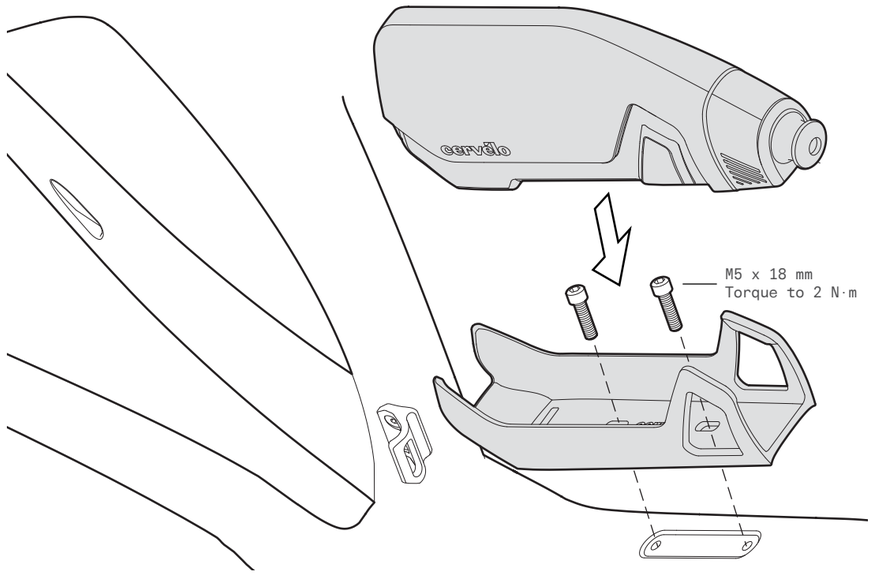
Press the Di2 battery into the Seatpost Battery Mount (MT-BINT-SP) and attach the E-Wire according to the manufacturer's instructions.

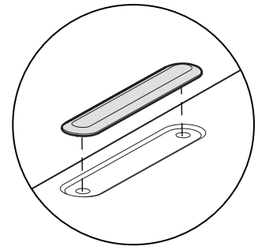
Insert the assembled battery and battery mount into the seatpost.



AERO WATER BOTTLE INSTALLATION

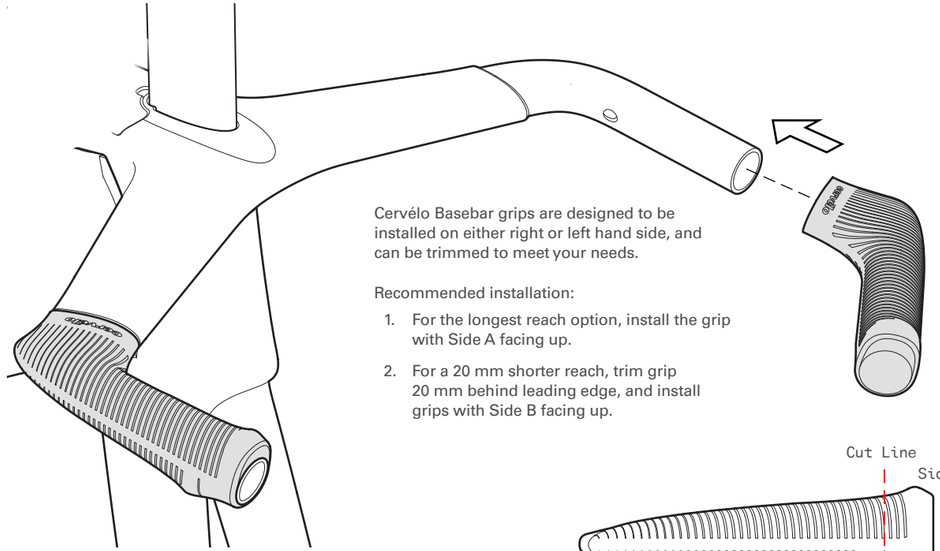
Attach Aero Water Bottle (WB-WB01) cage to frame and torque M5 x 18 mm fixing screws to 2 N·m.





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

BASEBAR GRIP INSTALLATION



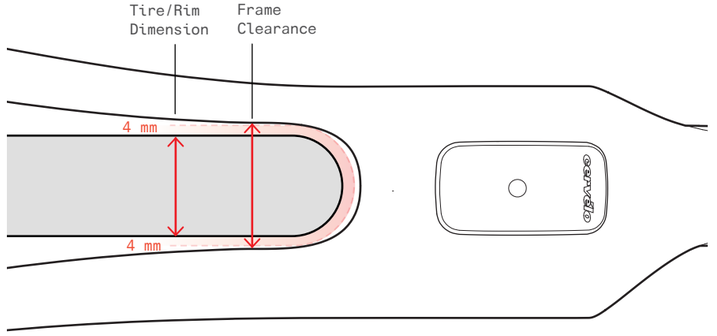
Cervélo Basebar grips are designed to be installed on either right or left hand side, and can be trimmed to meet your needs.

Recommended installation:

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

TIRE/RIM CLEARANCE

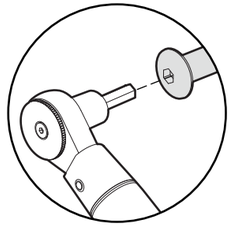
Your Cervélo bicycle complies with the ISO 4210-2:4.10.2 standard for tire clearance. In order to comply with these safety standards and maintain your Limited Lifetime Warranty, a minimum of 4 mm of clearance must remain between the tire and any frame element. Due to the growing complexity of tire and 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 8 mm (4 mm 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.
5. If a 4 mm Allen key does not fit into the smallest gap then the tire clearance is insufficient.

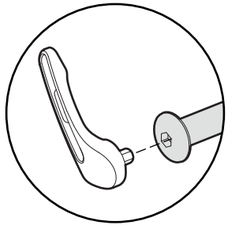
⚠ WARNING
Contact between the tire or rim and the frame or fork may result in a loss of control while riding and potentially serious injury and/or death. Failure to follow these guidelines may result in damage to the frame not covered by Cervélo Limited Lifetime Warranty.

AERO THRU-AXLE INSTALLATION

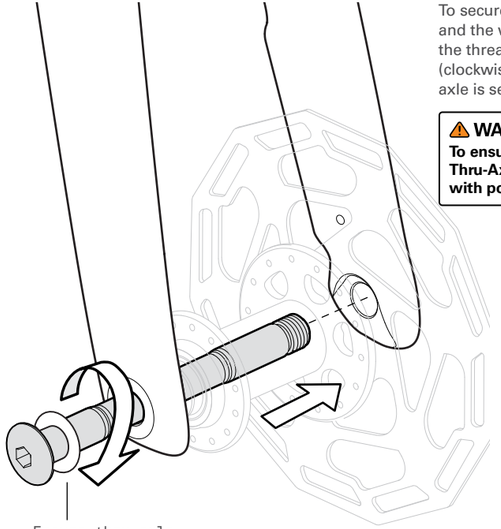


6 mm Allen key /
torque wrench

or



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



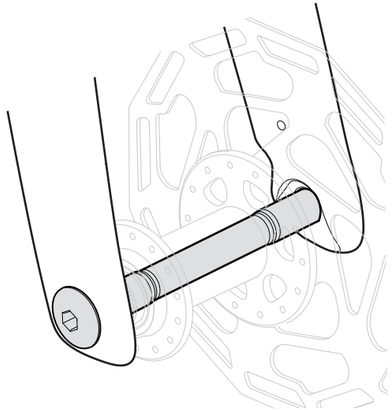
Ensure thru-axle
washer is present
for installation.

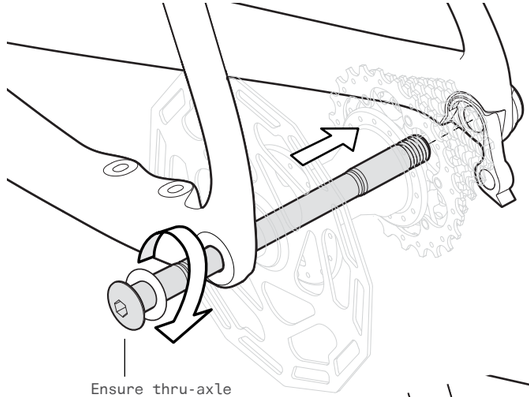
Tighten front axle
to 12-15 N·m.

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 (clockwise) into the threaded component of the insert until the axle is secured tightly to 12- 15 N·m.

⚠ WARNING

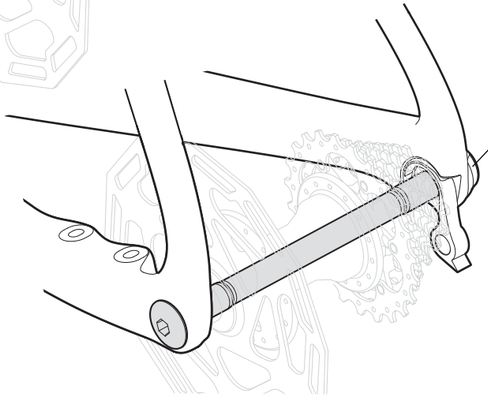
To ensure rider safety, it is critical to install the Cervélo Aero Thru-Axle correctly. Failure to do so may result in an accident with potential for serious injury and/or death to the rider.

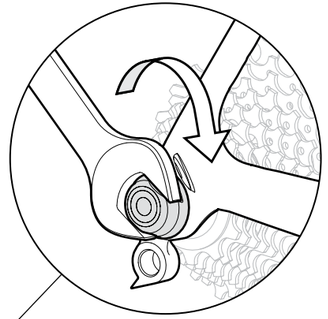




Ensure thru-axle
washer is present
for installation.

Tighten front axle
to 12-15 N·m.





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

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 (ParkTool HPG-1 or equivalent) 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 (Dynamic Assembly Compound Carbon or equivalent) 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 (N·m)	Notes
Frame & Fork		
Bottom bracket - Threaded press-fit	35 to 50 N·m	Clean & grease the inside of the BB shell in the frame. Grease the outside of the BB cups. Using a BB Press tool, press the non-drive side (NDS) cup into the NDS side of the frame until flush. Fit the DS cup into the drive side of the frame and press in by hand until it contacts the NDS cup. Using a torque wrench tighten the DS cup of the BB until it is flush to the frame.
Front derailleur mount	3 N·m	Apply Loctite® 243 to fixing screws.
Rear derailleur hanger fixing nut	12 to 15 N·m	Grease the RDH threads and install on the dropout with the fixing nut finger tight. Install the rear axle and tighten 2 turns to align. Tighten the RDH fixing nut to torque spec.
Water bottle cage bolts	2 N·m	Lightly grease the fixing screws.
Top tube storage	1 to 2 N·m	
Fork preload cone pinch bolt	4 N·m	After basebar fixing bolts are tightened, re-tighten the preload pinch bolt to recommended torque.

Component	Torque(N·m)	Notes
Upper bearing gap spacer (fork)	1 N·m	Thread fixing screws into gap spacer on fork separate from the bike until the spacer is flush to the fork upper. Remove the spacer until assembly. For assembly turn the fork 90 degrees & slide the gap spacer between the fork upper & frame. Tighten the fixing screws until the spacer is flush to the fork upper.
Fork tension rod/preload cone to fork (1 bolt)	2 N·m	Apply grease to the preload cone & threaded end of the tension rod.
Stem / Basebar		
Basebar fixing screws (to fork)	8 N·m	Apply Loctite® 243 to the fixing screws, and tighten while alternating repeatedly to recommended torque.
Basebar cover screw	1 to 2 N·m	Use carbon assembly compound between the riser post and the frame.
Riser Post / Aerobar extensions / Cervélo aerobar		
Riser pad mount screws (to Tilt adjust plate)	6 N·m	Lightly grease the fixing screws.
Arm pad carriers (to Riser pad mount)	4 N·m	Lightly grease the fixing screws.
Extension fixing screws (to Riser pad mount)	3 N·m	
Aerobar water bottle mount	2 N·m	
Riser Post Wedge clamp	8 N·m	Use carbon assembly compound between the riser post and the fork. Apply a light coar of carbon assembly compound to chevron and rear surfaces of the Riser Post Clamp. Fully insert the Riser Post Clamp until no chevrons are visible. Torque to spec.
Seatpost Clamp (frame to seatpost)		
Wedge clamp-rounded (front)	8 N·m	Use carbon assembly compound between the seatpost and the frame.
Saddle Clamp (seatpost head bolts) - Aero Tri/TT		
Saddle clamp assembly base to seatpost slug	6 to 7 N·m	Lightly grease bolt threads.
Saddle clamp bolt (Rail binder bolt)	12 N·m	Lightly grease bolt threads.
Seatpost bottle cage mount (to seatpost slug)	4 N·m	
Bottle Cage to seatpost mount	2 to 3 N·m	Lightly grease bolt threads.
Wheels		
Cervélo aero thru-axle with removable handle	12 to 15 N·m	Requires the use of a 6mm allen key type wrench or Removable handle.
Other		
Pedals	35 to 35 N·m	Refer to manufacturer's instructions.

P5 FRAME DETAILS

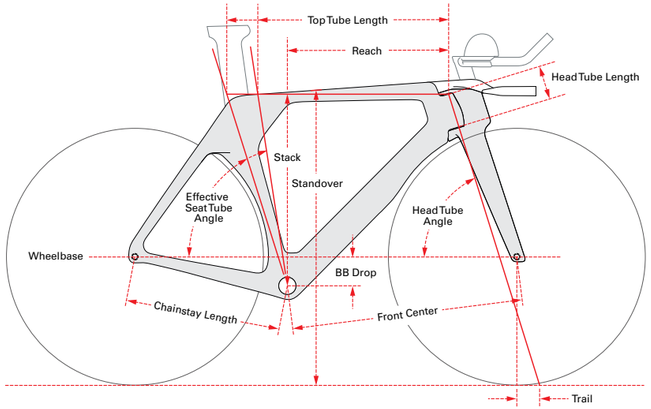
P5 (FM148)	
Bike Name	P5
Model Year	2024
Serial Number Code	SN148
Frame Code	FM148
Fork Code	FK148
Brake Mount Type	Flat Mount Disc
Chainstay Height (Flat Mount)	30 mm
Frame Sizes	48/51/54/56/58/61
Wheel Size	700c
BB Type	BBRight
Headset Type	Integrated 1-1/8" x 1-1/4"
Maximum Chainring Size 1x	68t with a 45 mm chainline
Maximum Chainring Size 2x	57t with a 44.5 mm or 45 mm chainline

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

P5 (FM148)	
Upper Headset Bearing Dimensions	1-1/8", 30.2 x 41 x 6.5, 36° x 45°
Lower Headset Bearing Dimensions	1-1/4", 34 x 46.8 x 7, 45° x 45°
Seatpost	SP-SP23-L-B
Seatpost Clamp	SPC-0E0P
RD Hanger	DRH-WMN112
RD Hanger (Shimano DM)	DRH-SDM
FD Hanger	FDM-0E0
Front Axle Dimensions	127 mm Length, M12 x 1.5, 11 mm Thread Length, for 100 x 12 spacing
Rear Axle Dimensions	170.5 mm Length, M12 x 1.75, 12 mm Thread Length, for 142 x 12 spacing
Maximum Tire Width (Actual)	34 mm with 4 mm clearance*

P5 FRAME GEOMETRY

P5 (FM148)	48cm	51cm	54cm	56cm	58cm	61cm
Reach | mm	389	406	420	433	446	455
Stack | mm	461	482	498	516	535	556
Bottom Bracket Drop | mm	75	75	75	75	75	74
Chainstay Length | mm	405	405	405	405	405	405
Head Tube Angle	71°	72.5°	72.5°	72.5°	72.5°	72.4°
Fork Offset | mm	52	43	43	43	43	40.4
Front Center | mm	582	583	602	622	640	654
Head Tube Length | mm	59	71	88	107	127	148
Wheelbase | mm	975	976	995	1015	1033	1048
Standover Height | mm	739	759	775	792	812	906
Seat Tube Length | mm	475	496	513	530	550	571



MECHANICAL SAFETY CHECK

NOTE: Cervélo recommends that you bring your new bicycle to your authorized retailer after 30 to 60 days of use for an initial service inspection. This is an important service to address components that have been broken in, stretched, or seated themselves, which is a normal occurrence in all new bicycles. The first service will make the required adjustments to enhance the safety, performance, and durability of your Cervélo bicycle over the long haul.

Before Every Ride:

1. Check the frame and fork for signs of stress: scratches, cracks, dents, deformation, or discoloration. Inspect the chainstay guard and ensure it is correctly and securely attached.
2. Check that the front wheel is securely mounted to the fork, and the rear wheel to the frame.
3. Check that the wheels spin straight through the fork and swingarm. Wheels should spin freely and without brake rub.
4. Check the tire pressure is in the recommended range for the tire and rim.
5. Check the brakes, including brake levers, calipers, rotors, brake pads, and brake lines. Verify that the attachment bolts are correctly tightened. Squeeze the brake levers to verify the calipers close and prevent the bike from rolling forward or backwards. The brake levers should not contact the handlebars even at full force.
6. Check that the handlebar and stem are correctly positioned and aligned relative to the front wheel. Check that the stem bolts are correctly tightened. Inspect for signs of stress: scratches, cracks, dents, deformities, and discoloration.
7. Cycle the suspension to check for proper function. Clean the stanchions if any debris is present. Verify that suspension systems are set to your preferences.
8. Check that the lighting system and reflectors are in good working order.
9. Check that the saddle and seatpost are correctly positioned and tightened. The saddle should be aligned with the top tube of the frame.
10. Check for smooth shifting operation, and adjust if needed.
11. Check that the pedals and shoes are free of debris that can interfere with the retention system.
12. Lubricate the chain using a good quality chain lube (ParkTool CL-1 or equivalent).

Every Week (~100 miles):

1. Check that all bolts are tightened to proper torque specifications. Make sure to include pedals and any accessories.
2. Check the rims for signs damage, and check for any loose spokes.
3. Clean the bicycle. Do not use a high-pressure washer, or harsh chemical cleaners or solvents. Do not use compressed air to dry. Avoid direct spray into head tube, bottom bracket, or wheel bearings.
4. Check the tires for damage and wear to verify they are in good condition.
5. Clean the dust seals on any suspension parts for cracking or leaks.
6. Check the battery level in any electronic drivetrain, suspension, or accessory components.

Every Month (~400 miles):

1. Check the shifter and brake cables/hoses for wear, leaks, fraying, rust, or other damage.
2. Check that no cables are pulled or caught on other parts in normal operation.

MECHANICAL SAFETY CHECK

1. Check that the bottom bracket is tightened to the proper torque specification, and there is no friction, noise, or play in the crankarms when rotated. Adjust or overhaul if needed- consult your retailer.
2. Check that the headset is adjusted correctly, with no play when the front brake is locked. Adjust or overhaul if needed- consult your retailer.
3. Check that the chain is tensioned correctly. Inspect the chain for broken parts, kinks, or rust.
4. Check that the brake pads are not worn (replace if thinner than 1 mm)
5. Check the chainstay guard and bottom bracket guard for wear.
6. Check the wheel hubs for smooth operation (not loose or grinding). Adjust or overhaul if needed- consult your retailer.

Every 3 Months (~1500 miles):

1. Inspect the drivetrain components for damage or wear.
2. Inspect the crank arms and pedals to ensure they are tight, with no movement or play. Look for signs of wear or damage.
3. Check tire sealant levels (if running tubeless setup).
4. Inspect any suspension parts for wear or damage.
5. Clean and inspect the frame pivot bearings, shock link, and pivot axles. Re-grease the parts with a high-quality bicycle (ParkTool HPG-1 or equivalent), and replace them if worn or damaged. If running a tubeless setup, check tire sealant levels and replace if thinner than 1 mm.
6. Check the chainstay guard and bottom bracket guard for wear.
7. Clean and inspect the frame pivot bearings, shock link, and pivot axles. Re-grease the parts with a high-quality bicycle (ParkTool HPG-1 or equivalent), and replace them if worn or damaged.

Every Year (~6000 miles):

1. Perform an annual service at your retailer: overhaul service and inspection of frame, suspension, and all other components.
2. Repair, service, and/or replace parts as needed.
3. Clean and lubricate all parts as recommended by your component manufacturer's instructions or consult your retailer.
4. Check for service instructions and intervals for your bicycle at www.cervelo.com
5. Perform brake bleed and suspension overhaul as directed by the component manufacturer.

NOTE: This section provides guidelines to ensure safe operation of your bicycle, but it should not be considered a complete safety inspection. Following these guidelines will help maintain the performance of your bicycle, and help to prevent more serious problems from occurring.

For service instructions for your specific components, please visit the manufacturer's website. If you detect any problems with your bike, and you are not able to repair them, take your bike to your authorized Cervélo retailer for service. It is important to remember that service intervals can vary depending on climate, trail conditions, and riding frequency.

⚠ WARNING

Have your bicycle inspected by a professional bicycle mechanic any time you have a crash or accident to make sure it is safe to ride. Riding a bicycle with damage can be hazardous and may lead to serious injury and/or death.

CERVÉLO CUSTOMER SUPPORT

Contacting Customer Support
Visit www.cervelo.com/contact-us to submit a question to Cervélo or for service and maintenance support.

Product Registration
Visit www.cervelo.com/support/registration 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.

2024 P5 RETAILER ASSEMBLY MANUAL

CER-P5F-V1 2024-03-27

www.cervelo.com

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