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.**

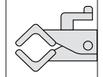
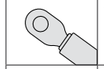
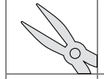
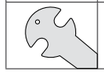
⚠ WARNING
This product contains chemicals known to the State of California to cause Cancer, Birth Defects, or Other Reproductive Harm.

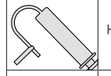
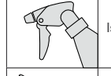
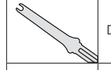
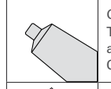
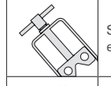
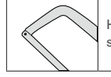
LIST OF TOOLS AND SUPPLIES

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.

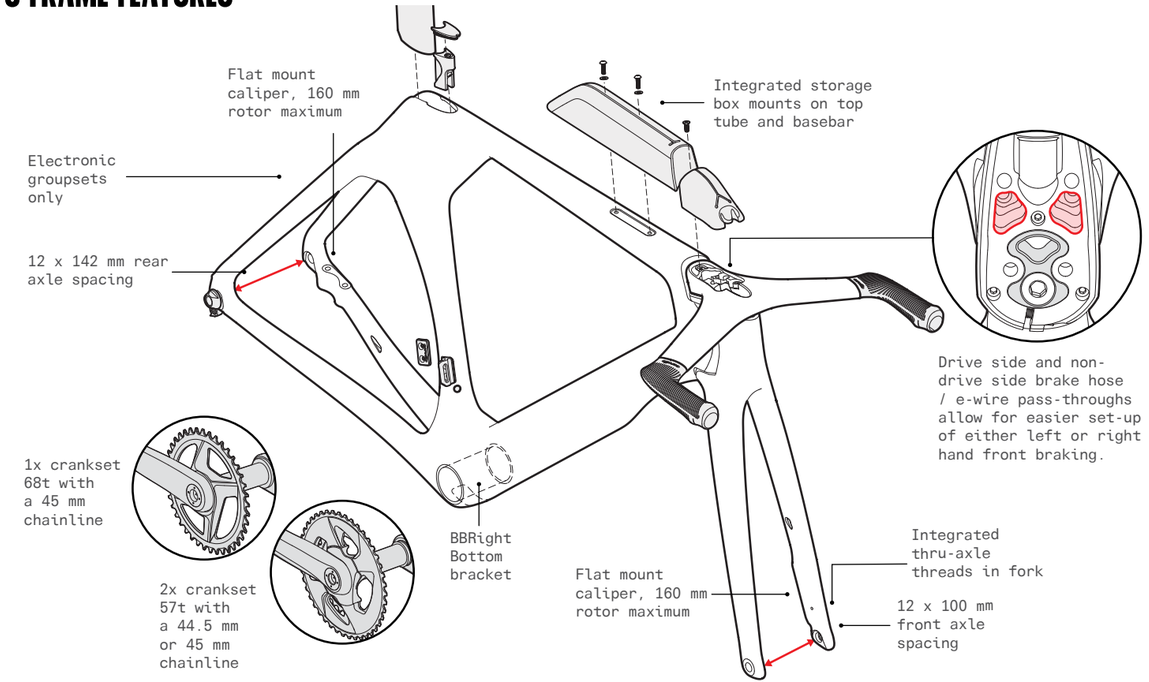
NOTE: All non-proprietary components such as those from Shimano or SRAM are available from your local distributor.

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

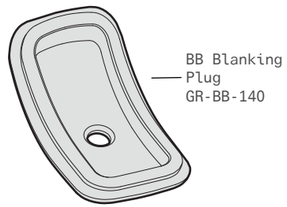
Item Description	Cervélo Part No.
HB15 Basebar Assembly (HB15 Basebar, 380 mm, HB15 Basebar Grip Set, HB15 Standard Stack Basebar Fixing Screws (45 mm) x4, HB15 UCI Basebar Cover, HB15 Basebar Storage Baseplate, HB15 Basebar Cover M4 Fixing Screw)	HB-HB15
HB15 Standard Stack Mounting Hardware Kit (45 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

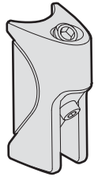
SMALL PARTS

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.

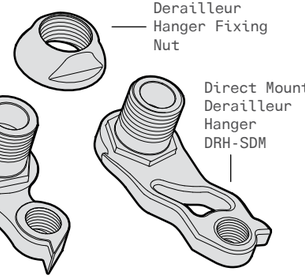


BB Blanking Plug
GR-BB-140

Seat Post Clamp Cover SPCC-759



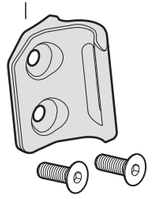
Seatpost Clamp
SPC-0E0P



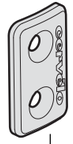
Derailleur Hanger Fixing Nut

Direct Mount Derailleur Hanger DRH-SDM

Derailleur Hanger DRH-WMN112



Front Derailleur Mount with Fixing Screws FDM-0E0



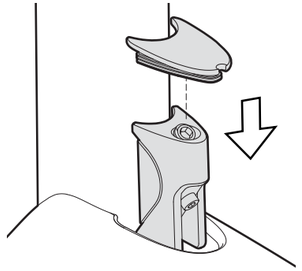
Front Derailleur Mount Blanking Plate (1x) FDM-CVR

Riser Post Clamp
HBP-PCLP

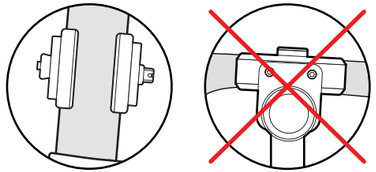
Chainstay Blanking Plug(6 mm) x2
GR-576

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

FRAME PREPARATION

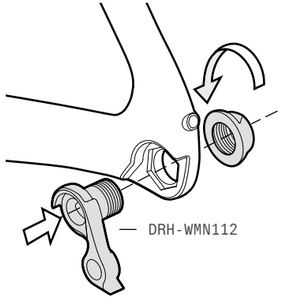


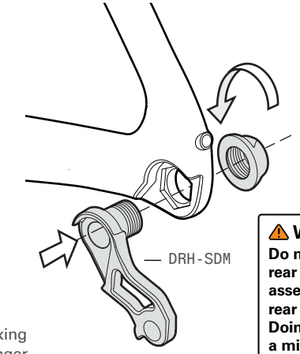
1. Apply carbon paste to both frame and seatpost.
2. Insert Seatpost Clamp (SPC-0E0P) fully into frame so it is flush with the top tube.
3. Adjust height and torque to 8 N·m maximum.
4. Finish by pressing Seatpost Clamp Cover (SPCC-759) into place.



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

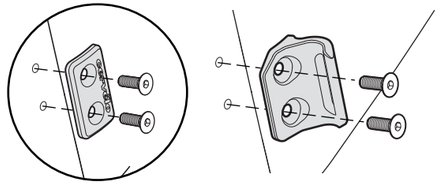
⚠ WARNING
Hold the frame using a secured seatpost only.



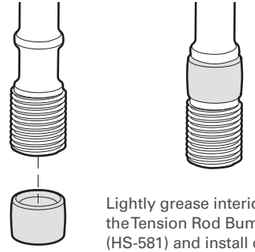


Lightly grease Rear Derailleur Hanger Fixing Nut and install either Rear Derailleur Hanger (DRH-WMN112) or Direct Mount Rear Derailleur Hanger (DRH-SDM) finger tight. Final tightening will be performed after rear wheel installation.

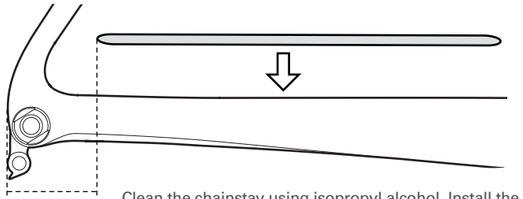
⚠ WARNING
Do not final tighten rear derailleur hanger assembly without rear wheel installed. Doing so may result in a misaligned derailleur and poor shifting.



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).

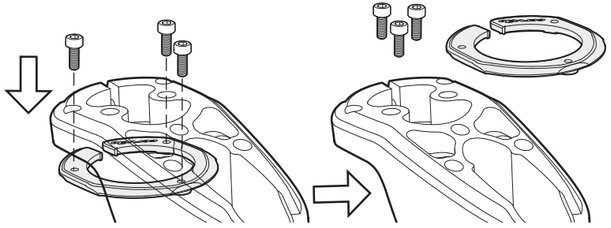


Lightly grease interior of the Tension Rod Bumper (HS-581) and install onto Tension Rod (see page 17).

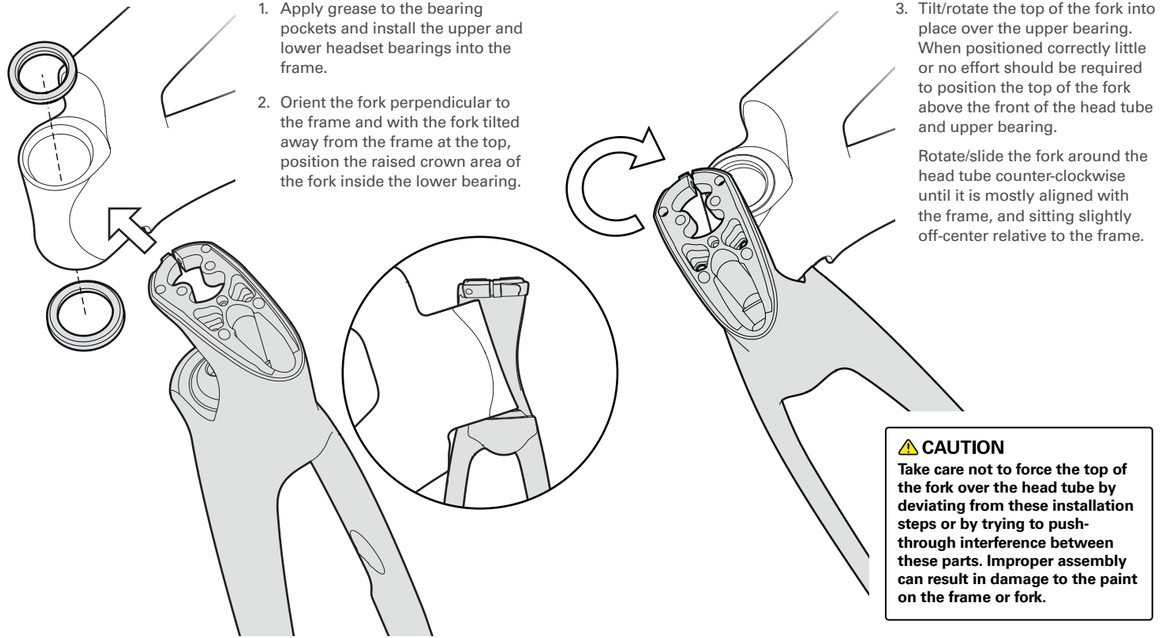


Clean the chainstay using isopropyl alcohol. Install the Chainstay Protector (PRO-CS-508) by removing adhesive backing, and fixing the guard to the frame. The bottom rearward edge should be approximately 50 mm forward from the back of the rear dropout.

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



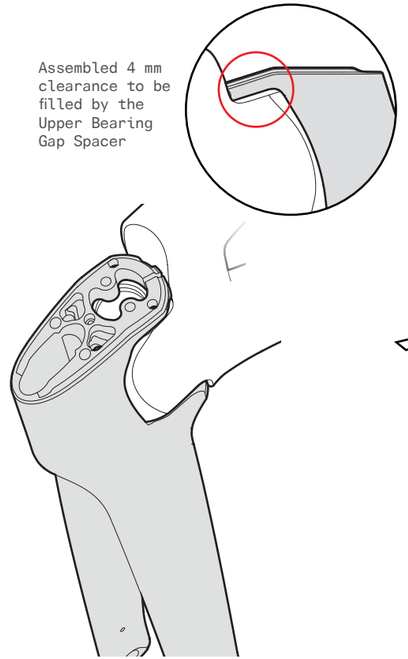
1. Apply grease to the bearing pockets and install the upper and lower headset bearings into the frame.
2. Orient the fork perpendicular to the frame and with the fork tilted away from the frame at the top, position the raised crown area of the fork inside the lower bearing.
3. Tilt/rotate the top of 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.

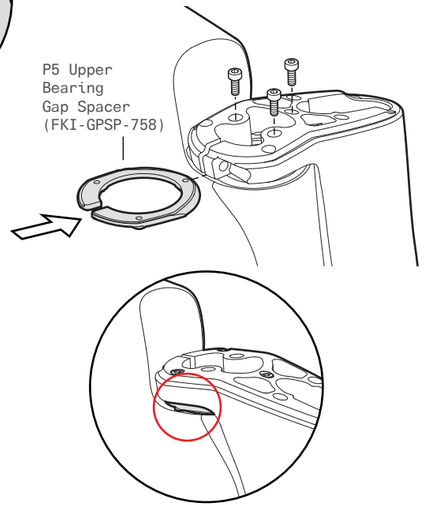
⚠ CAUTION

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.



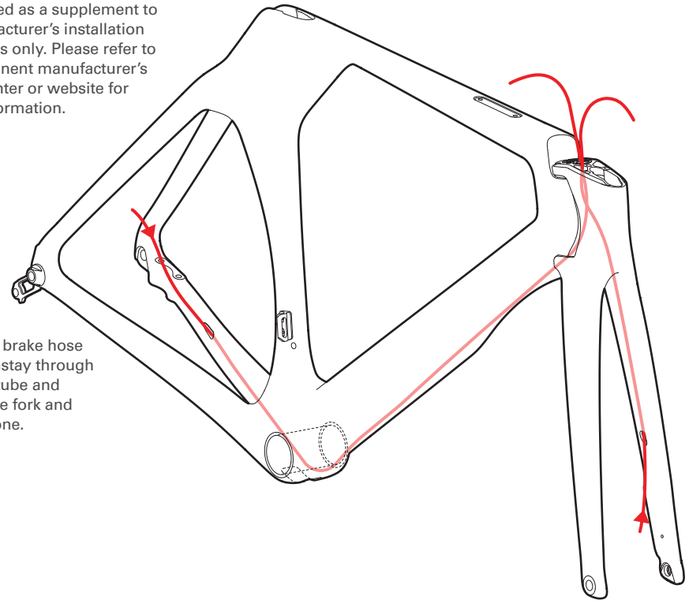
5. Rotate fork perpendicular to frame and install the Upper Bearing Gap Spacer. Fasten with the M3 x 8 mm fixing screws, torque to 1 N·m (finger tight).



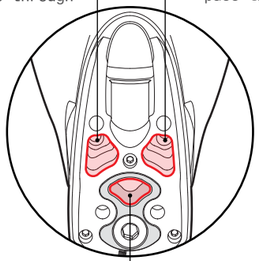
BRAKE HOSE ROUTING

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

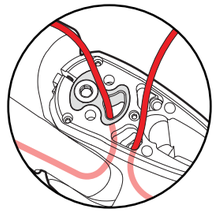


Route rear brake hose from chainstay through the down tube and through the fork and Preload Cone.

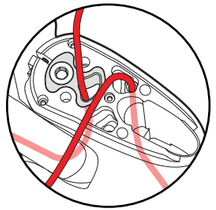


Insert an internal cable routing tool through the desired pass-through on the top of the fork and out the fork leg.

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



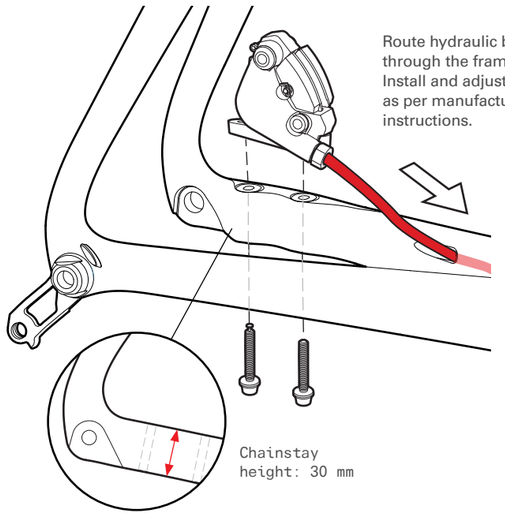
Left hand (non-drive side) front brake.



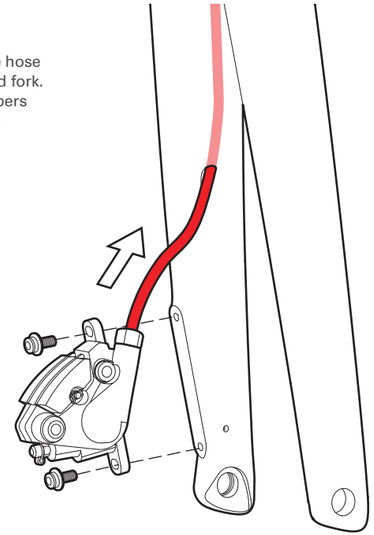
Right hand (drive side) front brake.

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.



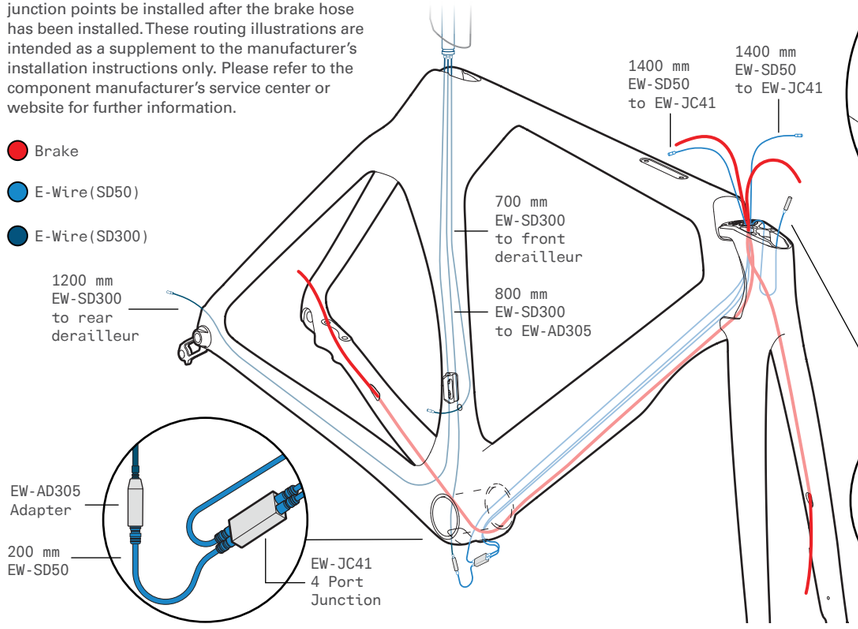
Route hydraulic brake hose through the frame and fork. Install and adjust calipers as per manufacturer's instructions.

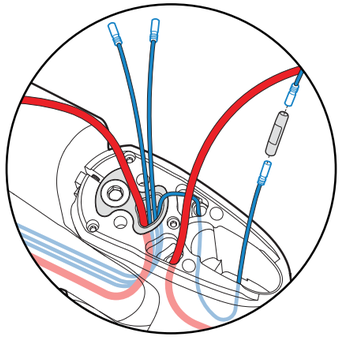


ELECTRIC WIRE ROUTING

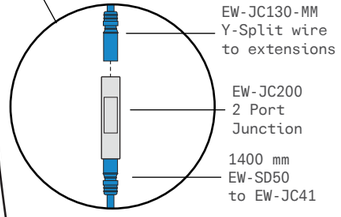
It is recommended that electric cabling and junction points be installed after the brake hose has been installed. These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further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

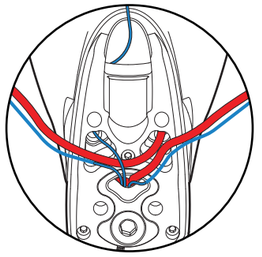
- Brake
- E-Wire(SD50)
- E-Wire(SD300)



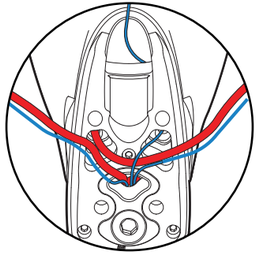


Left hand (non-drive side) front brake set-up shown. Right hand set-up reverses front brake hose and e-wire pass-throughs.

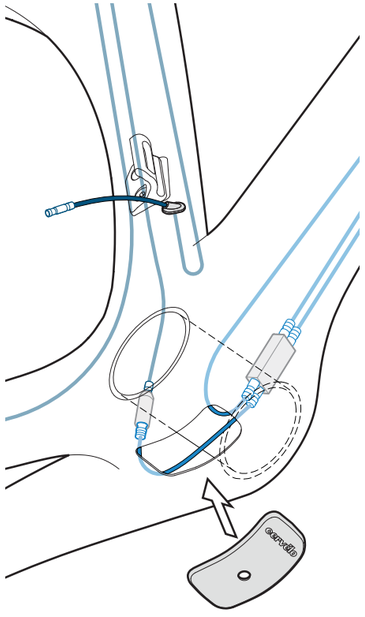




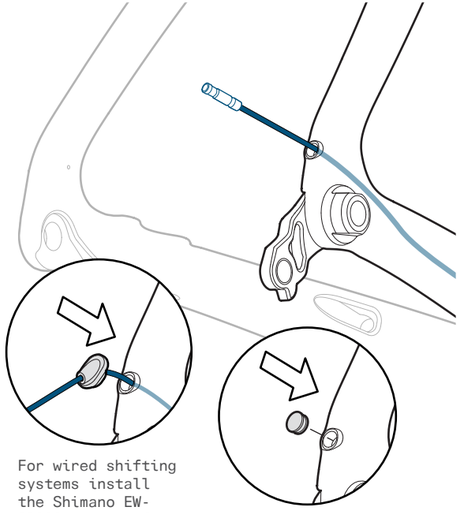
Left hand (non-drive side) front brake routing.



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).

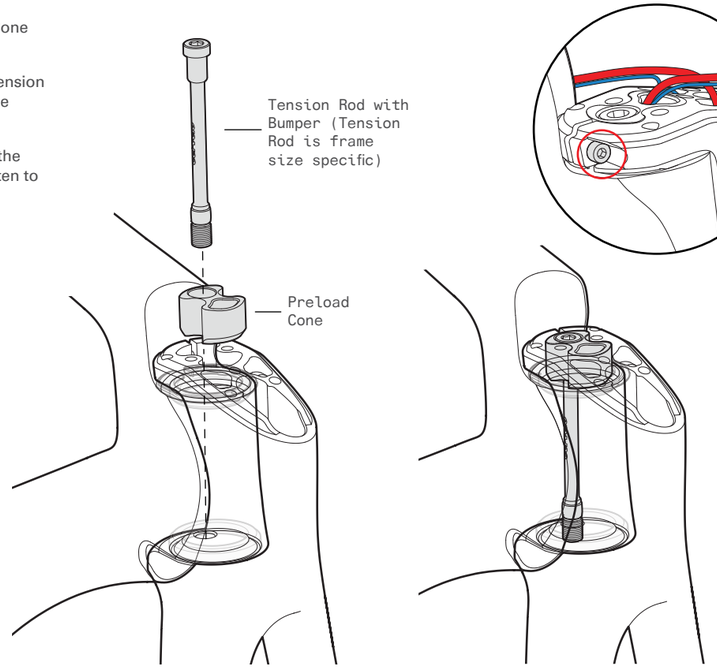
HEADSET ASSEMBLY

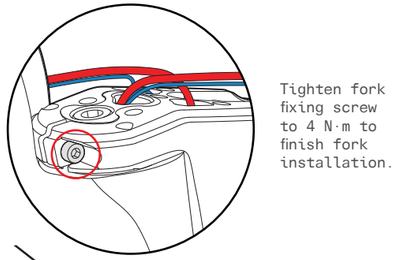
1. Apply grease to Preload Cone and install.
2. Grease threaded end of Tension Rod and install. Tighten the Tension Rod to 2 N·m.
3. Rotate the fork to expose the fork fixing screw and tighten to 4 N·m maximum.

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.



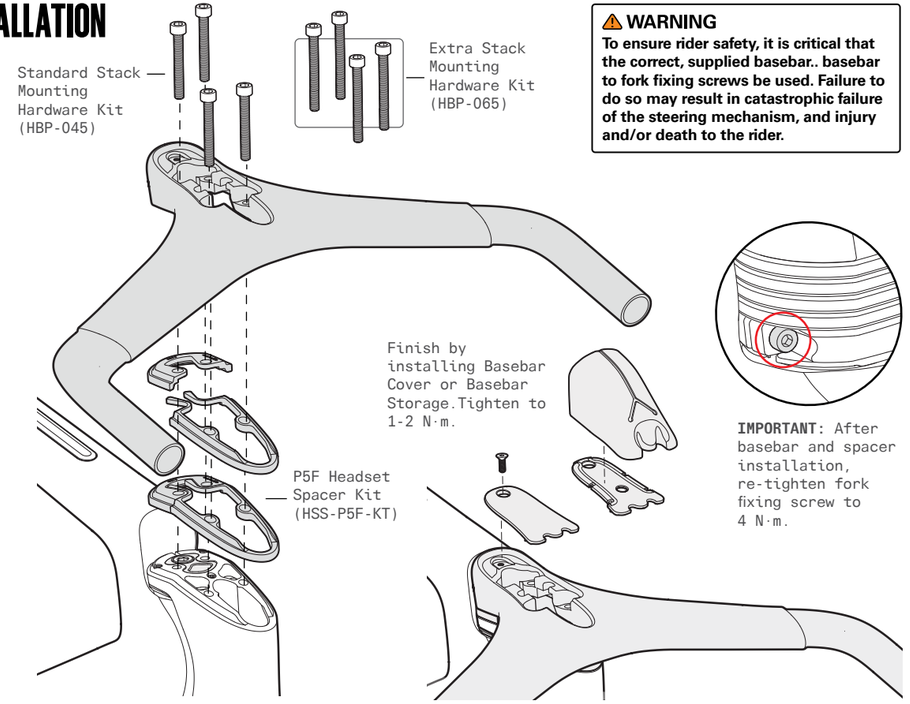


Tighten fork fixing screw to 4 N·m to finish fork installation.

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.

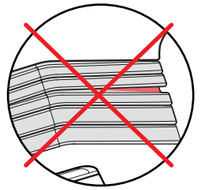
⚠ WARNING
To ensure rider safety, it is critical that the correct, supplied basebar.. basebar to fork fixing screws be used. Failure to do so may result in catastrophic failure of the steering mechanism, and injury and/or death to the rider.

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.

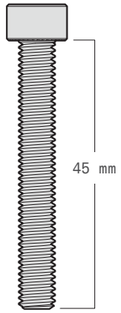
The P5 allows for spacer stack adjustment from +5 mm to +40 mm above the base ("slammed") position in 5 mm increments.

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

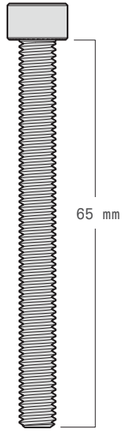


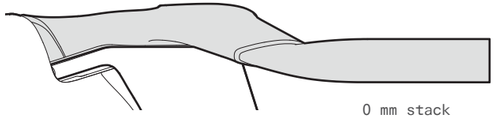
Ensure Stem Fixing Screws are tightened in an alternating pattern and that the gap between stem and all spacers remains even.

Use only for stack between 0 mm and 20 mm

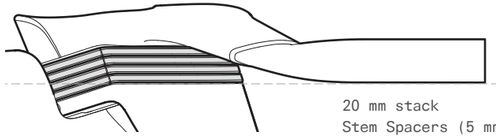


Use only for stack between 25 mm and 40 mm



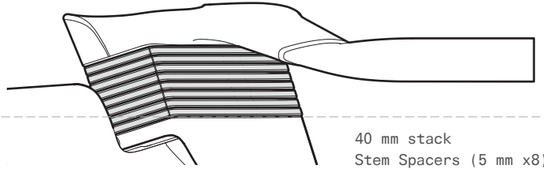


0 mm stack
No Stem Spacers



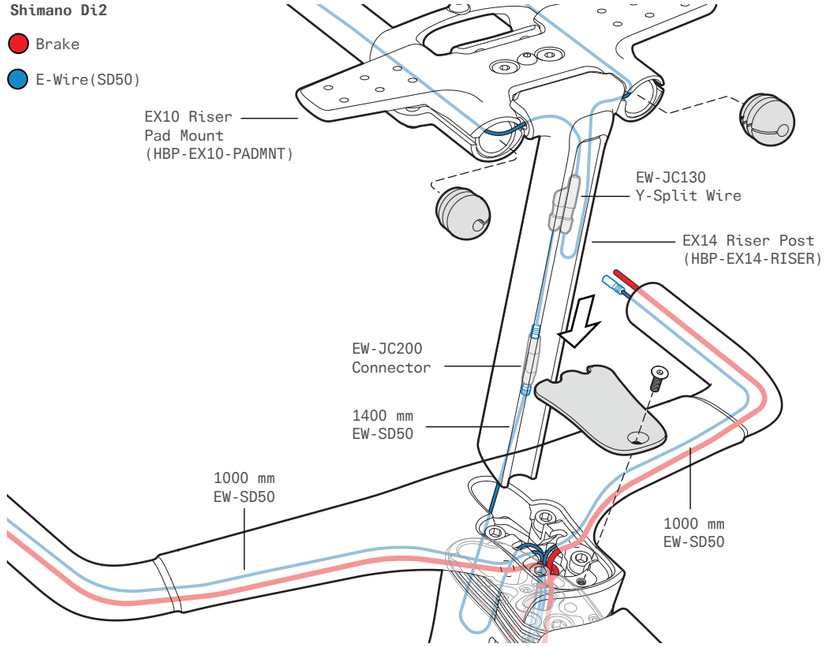
20 mm stack
Stem Spacers (5 mm x4)

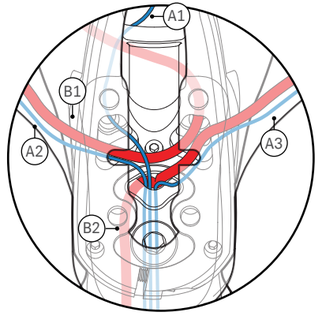
For spacer stack adjustment from **25 mm to 40 mm (maximum)**, use only the Extra Stack Mounting Hardware Kit HBP-065 (65 mm fixing screw).



40 mm stack
Stem Spacers (5 mm x8)

EX14 RISER AND HB15 BASEBAR ROUTING

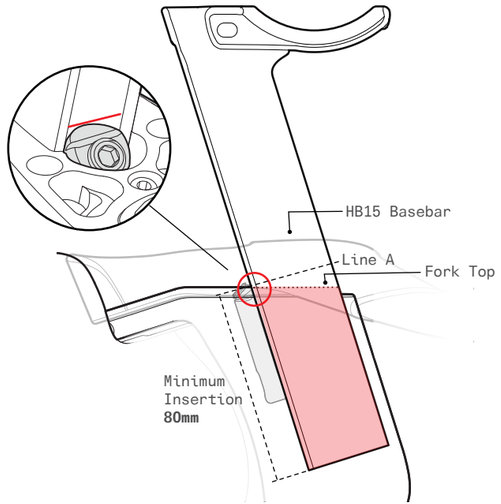




Item	Description
A1	1400 mm EW-SD50 EW-JC200 connector to EW-JC41 four port junction
A2	1000 mm EW-SD50 front basebar shifter to EW-JC41 4 port junction
A3	1000 mm EW-SD50 rear basebar shifter to EW-JC41 4 port junction
B1	Front brake hose
B2	Rear brake hose

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.

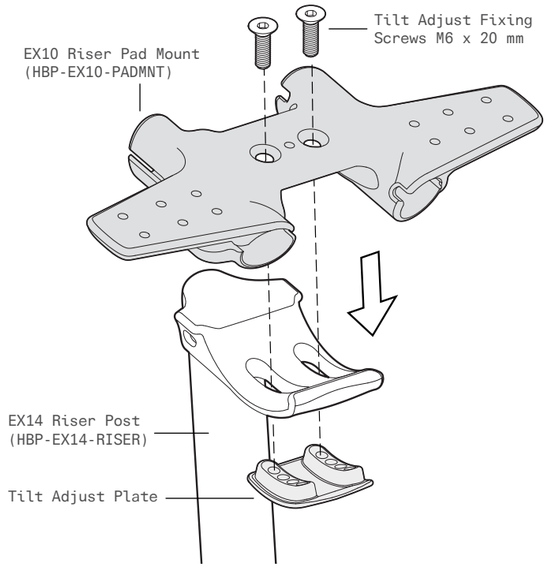
For lowest possible Riser Post stack based on frame size, see the table below for exact cut-off length.

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

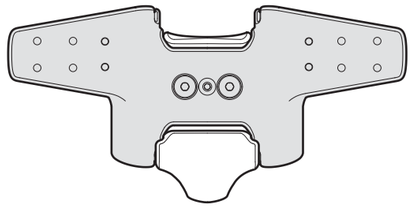
⚠ WARNING
If trimming is required, final length should allow for a minimum 80 mm of Riser Post remaining in the fork. Failure to meet this requirement, may result in damage to the frame not covered by warranty policy, or serious injury serious injury and/or death.

EX14 RISER ASSEMBLY

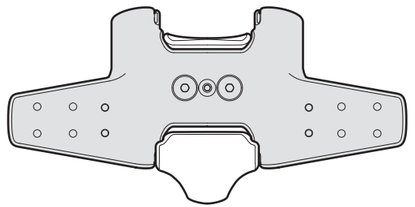
Attach Riser Pad Mount and Riser Post to Tilt Adjust Plate using four lightly greased M6 fixing screws. Torque to 6 N·m.



The Riser Pad Mount can be attached in two positions:



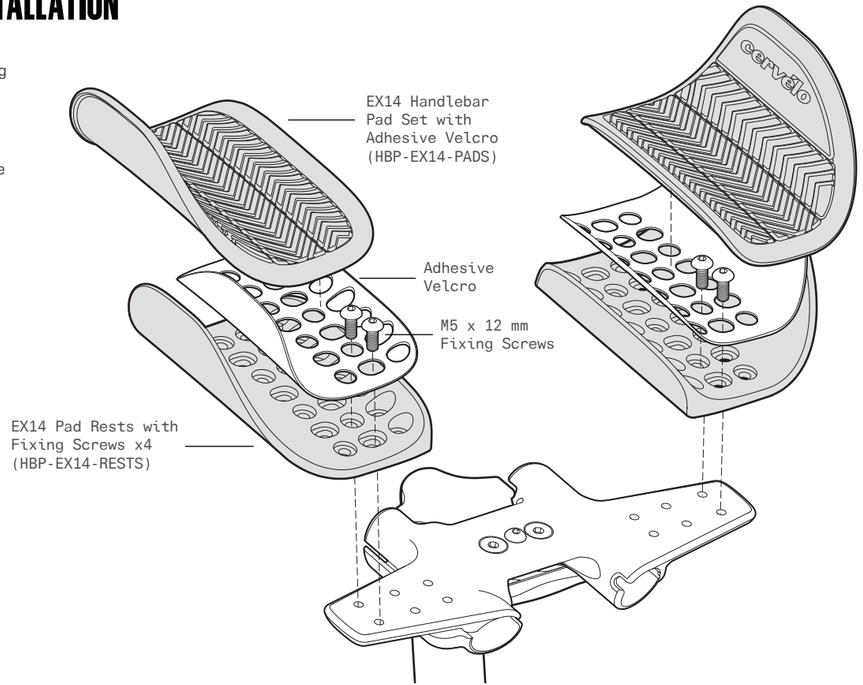
Forward Position



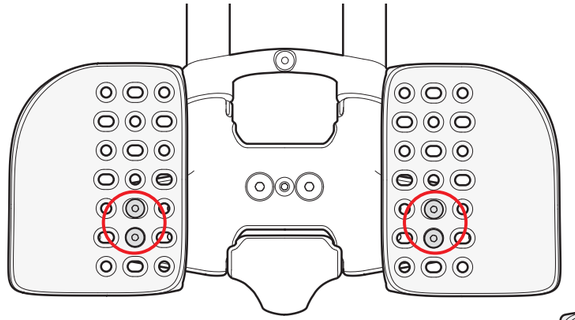
Setback Position

ARM CUP AND PAD INSTALLATION

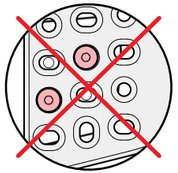
1. Attach Arm Cups to the Riser Post using two lightly greased M5 Fixing Screws.
2. Torque Fixing Screws to 4 N·m.
3. Clean Arm Cups with isopropyl alcohol, let dry, and apply Adhesive Velcro sheets.
4. Align the Arm Pads with the Arm Cups and press to secure them to the Adhesive Velcro sheets.



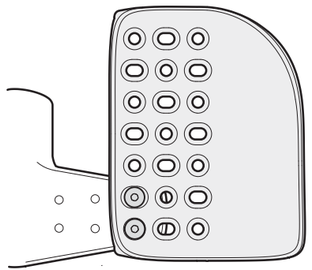
ARM CUP POSITIONS



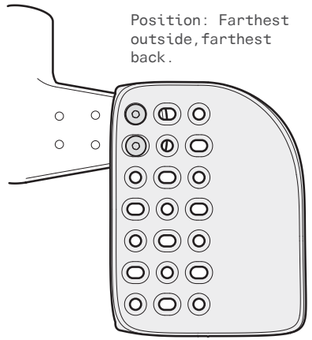
Two fixing screws must always be installed per arm cup. The fixing screws must be installed in fore-aft fixing position, and not diagonal.



Position: Farthest outside, farthest forward.



Position: Farthest outside, farthest back.

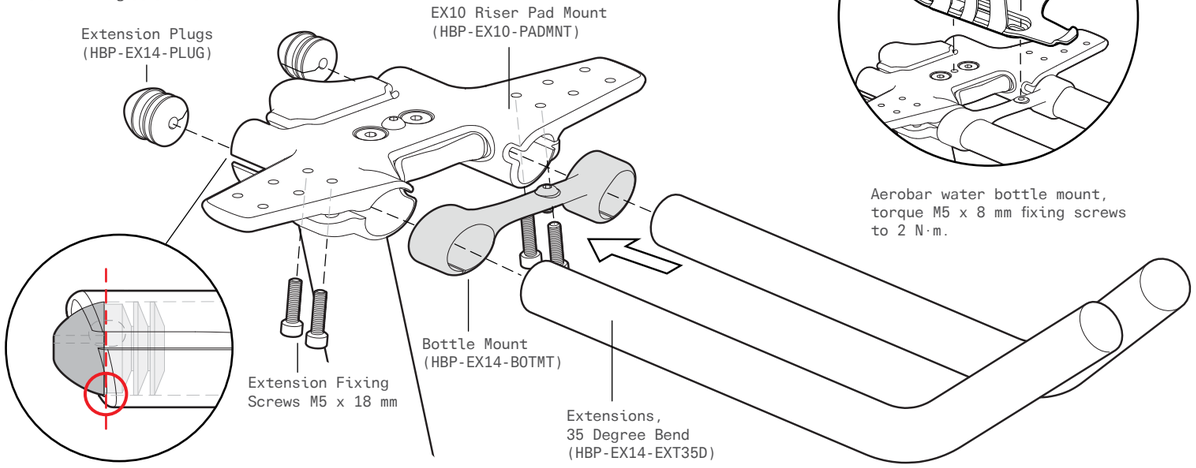


⚠ WARNING
Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and potentially serious injury and/or death.

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.



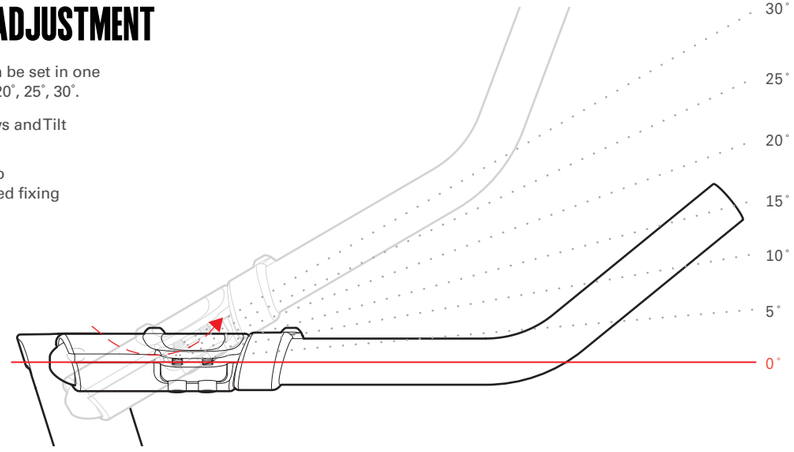
Aerobar water bottle mount, torque M5 x 8 mm fixing screws to 2 N·m.

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

EX14 EXTENSION ANGLE ADJUSTMENT

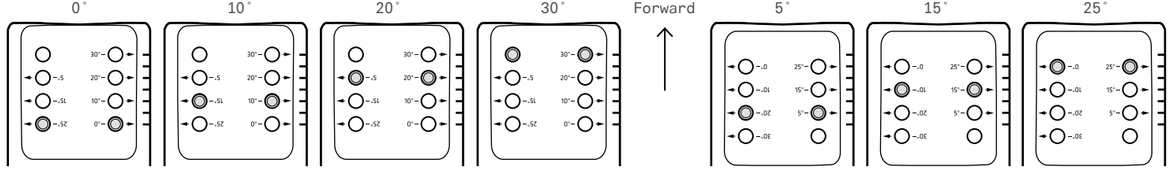
The Riser Pad Mount and Extensions can be set in one of seven discrete angles: 0˚, 5˚, 10˚, 15˚, 20˚, 25˚, 30˚.

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.



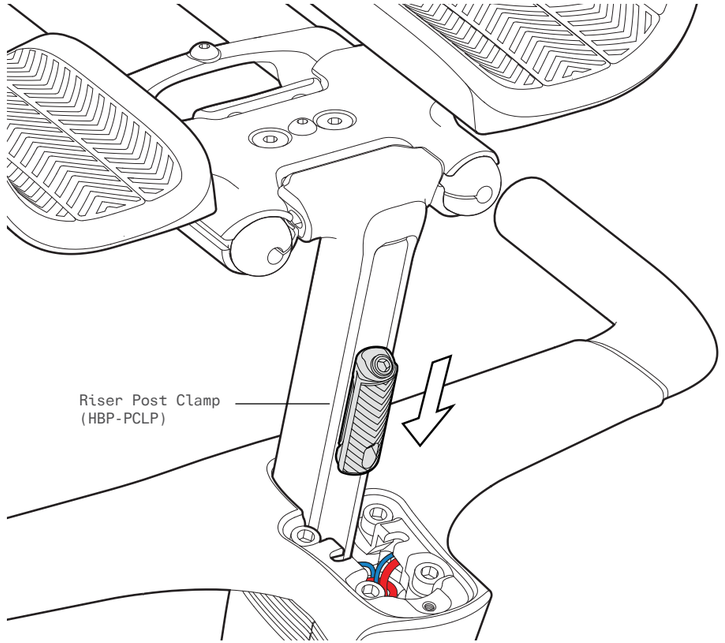
Tilt Adjust Plate Position 1:

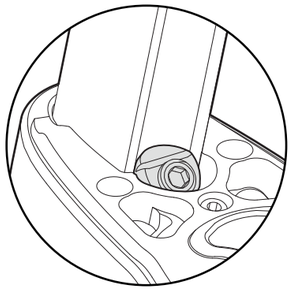
Tilt Adjust Plate Position 2:



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