This manual is intended to assist Cervélo retailers in setting up and customizing the 2019 S5 bicycle. This manual is not intended for consumer use, and requires the use of the specified tools to ensure proper assembly. This manual also references proprietary parts available only to retailers through direct ordering from Cervélo.

Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and serious injury. This manual is an overview of the steps required to assemble this bicycle and to make any desired modifications as set forth in this manual. This manual assumes that the retailer has the minimum required background and skill level required of all professional bicycle mechanics. See https://www.probmx.org/

NOTE: Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer. If you are a Cervélo S5 consumer/purchaser reading this manual we suggest that before attempting to undertake any of the procedures in this manual that you consult your authorized Cervélo retailer, or visit us at www.cervelo.com/support

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

TABLE OF CONTENTS

IMPORTANT INFORMATION

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LIST OF TOOLS & SUPPLIES

Tools

- Bicycle workstand (types which secure bike by the seatpost, or pro-type stand with fork mount)
- Torque wrench(s) with 2.5Nm to 15Nm range and adaptors:
  - Allen (Hex) head inserts:
    - 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
  - Torx head inserts:
    - T25
  - Open ended wrenches:
    - 7mm, 8mm, 10mm, 17mm
  - Cable cutters
  - Pliers

- Philips-head screwdriver
- Slot-head screwdriver
- Pedal wrench
- Brake rotor lockring tools
- Hydraulic bleed kit
- D2 wire tool – Shimano
- Good quality bicycle grease
# 2019 S5 Parts List

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Cervelo Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S5 Stack Adjustment Dealer Kit</td>
<td>KP-0E0S5</td>
</tr>
<tr>
<td>Conventional 1-1/8&quot; Stem Adapter</td>
<td>FKA-FK80-1125</td>
</tr>
<tr>
<td>Computer Mount Adapter Plate</td>
<td>MTAB08-CAP</td>
</tr>
<tr>
<td>M8x1.25x14 CS028 BOLT KIT</td>
<td>BT-C028-14</td>
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<td>M8x1.25x25 CS028 BOLT KIT</td>
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<tr>
<td>Aftermarket FK60 Fork Assembly Kit 48</td>
<td>FKA-FK80-SM</td>
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<tr>
<td>Aftermarket FK60 Fork Assembly Kit 51</td>
<td>FKA-FK80-MD</td>
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<th>Item Description</th>
<th>Cervelo Part No.</th>
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<tr>
<td>Allmarket FK80 Fork Assembly Kit 54-58</td>
<td>FKA-FK80-LG</td>
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<tr>
<td>CS028 Stem 80mm w/ Plugs</td>
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<td>ST-CS028-90</td>
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<td>CS028 Stem 100mm w/ Plugs</td>
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<td>ST-CS028-120</td>
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<tr>
<td>CS028 Stem 130mm w/ Plugs</td>
<td>ST-CS028-130</td>
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<tr>
<td>A08 Mounting Kit 6mm</td>
<td>HBP-A08-ZERO</td>
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<td>A08 Mounting Kit 2.5mm</td>
<td>HBP-A08-2.5MM</td>
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<tr>
<td>A08 Mounting Kit 2.5 Degrees</td>
<td>HBP-A08-2.5DEG</td>
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<tr>
<td>A08 Mounting Kit 5 Degrees</td>
<td>HBP-A08-5DEG</td>
</tr>
<tr>
<td>A08 Carbon Handlebar 380mm</td>
<td>HBP-A08-38</td>
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<td>A08 Carbon Handlebar 450mm</td>
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<td>SP20 Carbon Post 65mm Offset w/Head</td>
<td>SP-SP20-ZERO</td>
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<td>SP20 Carbon Post 25mm Offset w/Head</td>
<td>SP-SP20-25MM</td>
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<td>Seat Post Clamp Assembly 0E0-55</td>
<td>BPC-0E0S5</td>
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<tr>
<td>Internal Battery Mount Assembly 0E0</td>
<td>MT-BINT</td>
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<tr>
<td>BB Cable Guide/Cover 0E0</td>
<td>BBG-0E0</td>
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<td>Chainstay Protector 0E0 5 Series</td>
<td>PRO-CS-S</td>
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<tr>
<td>Disc Brake Hose Guide</td>
<td>CBG-DBH</td>
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<tr>
<td>ST28 Spacer Kit 30mm</td>
<td>SS-CS028-KIT</td>
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<tr>
<td>Front Der Mount for 0E0 55 w/Rivets</td>
<td>FDM-0E0S5</td>
</tr>
</tbody>
</table>

# FRAME FEATURES

A guide to the Cervelo S5 frame.

- **Front Derailleur Wire Exit Hole, electric and mechanical**
- **Rear Dropout Cable Exit**
- **Bottom Bracket Cable Port**
- **Internal Di2 Battery Mount Holes**
**WARNING**

Only use the components specified in this manual for handlebar and stem assembly. Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and serious injury.

---

**HANDLEBAR & STEM COMPONENTS**

- **Cervélo AB08 Handlebar**
  - 38cm HB-AB08-38
  - 40cm HB-AB08-40
  - 42cm HB-AB08-42
  - 44cm HB-AB08-44

- **Cervélo CS028 Stem**
  - 80mm ST-CS028-80
  - 90mm ST-CS028-90
  - 100mm ST-CS028-100
  - 110mm ST-CS028-110
  - 120mm ST-CS028-120
  - 130mm ST-CS028-130

- **Bar Fixing Screw**
  - M5 x 16mm

**0mm Stack Kit**
- SS-C028-KIT
- M6 Stem Fixing Screws (Sets of 3)
  - 0mm Stack BT-C028-14
  - 5mm Stack BT-C028-20
  - 10mm Stack BT-C028-25
  - 15mm Stack BT-C028-30
  - 20mm Stack BT-C028-35
  - 25mm Stack BT-C028-40
  - 30mm Stack BT-C028-45

**5mm Stem Spacers x6**
- SS-C028-KIT

**Handlebar Fixing Nuts (L + R)**
- for 0mm stack
- for 2.5mm stack
- 2.5mm Bar Spacers (L + R)
- M5 x 14mm Bolts (x4)

**2.5mm Stack Kit**
- HBP-AB08-ZERO
- Bar Fixing Screw M5 x 14mm
- Actual Size

**NOTE:** Refer to page 25 for installation instructions of the stack or pitch adjust wedge kits.

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**HANDLEBAR COMPONENTS - STACK**

The AB08 handlebar stack can be increased by 2.5mm or rotated in increments of 2.5˚ or 5˚ by the use of specific Stack Spacer or Pitch-Adjust Wedge kits.

- **Oem Stack Kit**
  - Bar Fixing Screw M5 x 16mm
  - Actual Size
  - - Handlebar Fixing Nuts (L + R)
  - - M5 x 14mm Bolts (x4)

- **2.5mm Stack Kit**
  - Bar Fixing Screw M5 x 16mm
  - Actual Size
  - - Handlebar Fixing Nuts (L + R)
  - - M5 x 14mm Bolts (x4)

---

**WARNING**

All handlebar mounting parts are clearly labeled for proper installation. Mixing parts will void warranty and may result in injury.

**NOTE:** Refer to page 25 for installation instructions of the stack or pitch adjust wedge kits.

---

**Stem Caps**
- (Rear)
- (Front)

"Stem Caps are included with stem."

---

All handlebar mounting parts are clearly labeled for proper installation. Mixing parts will void warranty and may result in injury.
HANDLEBAR COMPONENTS - PITCH ADJUST

**2.5˚ Pitch Adjust Kit**
- Handlebar Fixing Nut (L + R) for 2.5˚ rotation
- 2.5˚ Pitch Adjust Wedge (L + R)
- M5 x 16mm Bolts (x4)

**5˚ Pitch Adjust Kit**
- Handlebar Fixing Nut (L + R) for 5˚ rotation
- 5˚ Pitch Adjust Wedge (L + R)
- M5 x 16mm Bolts (x4)

**WARNING**
Complete Handlebar Stack Spacer or Pitch Adjust Wedge kits must be utilized without substitution or combination of parts. 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.

FORK & HEADSET COMPONENTS

**NOTE:** The S5 headset assembly does not require a compression ring.

**1˚, 36° x 45° Fork Topper**
**Fit Top Bearing Dust Seal to Fork Topper before installation.**

**1-3/8”, 36° x 45° Bottom Bearing**

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

Complete Fork Stack or Pitch Adjust Wedge kits must be utilized without substitution or combination of parts. 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.

**Your Cervélo frame & fork have been designed to work together. Do not attempt to install an alternative fork.**
Designed to accommodate electronic, mechanical and hydraulic controls, the S5 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.

SMALL PARTS

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Fork Axle Insert</td>
<td>QRI-RAT</td>
</tr>
<tr>
<td>Internal Battery Mount Kit</td>
<td>MT-BINT</td>
</tr>
<tr>
<td>BB Cable Guide/Cover</td>
<td>BBG-0E0</td>
</tr>
<tr>
<td>BB Cable Guide/Cover</td>
<td>BBG-0E0</td>
</tr>
<tr>
<td>Front Derailleur Wire Hole Blanking Plug</td>
<td>GR-ST-CLOSED</td>
</tr>
<tr>
<td>Rear Derailleur Hanger Assembly</td>
<td>DRH-RAT</td>
</tr>
<tr>
<td>Disc Hose Bushing x2</td>
<td>CBG-DBH</td>
</tr>
<tr>
<td>Front Derailleur Press-In Cable Stop</td>
<td>DRH-RAT</td>
</tr>
<tr>
<td>Rear Derailleur Wire Guide</td>
<td>GR-DRPOUT-GUIDE</td>
</tr>
<tr>
<td>Rear Derailleur Blank Plug</td>
<td>GR-DRPOUT-CLOSED</td>
</tr>
<tr>
<td>Seatpost Clamp</td>
<td>SPC-0E0S5</td>
</tr>
<tr>
<td>Computer Mount Adaptor Plate</td>
<td>MT-AB08-CAP</td>
</tr>
<tr>
<td>Rear Derailleur Hanger Fixing Nut</td>
<td></td>
</tr>
</tbody>
</table>

FRAME PREPARATION

1. Apply carbon paste to both frame and seatpost.
2. Insert Seatpost Clamp (SPC-0E0S5) fully into frame so it is fully flush with the top tube.
3. Adjust height and torque to 8Nm maximum.

**WARNING**

Be sure to hold the frame using a secured seatpost only. Clamping the top tube can damage the frame and void your warranty.

**WARNING**

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

Lightly grease Rear Derailleur Hanger Fixing Nut and install Rear Derailleur Hanger (DRH-RAT for Cervélo Rapid Axle) finger tight. Final tightening will be done after rear wheel installation.

Lightly grease supplied M4 fixing screw, and install the Front Fork Axle Insert (QRI-RAT for Cervélo Rapid Axle) to the fork. Tighten to 3Nm.
Prepare the frame by installing the rear brake hose and derailleur controls, exiting the frame through the upper surface of the headtube. Do not trim.

Attach the rear brake caliper according to brake manufacturer directions. Derailleur control wires can either be attached at this point, or remain exposed through the Bottom Bracket Cable Port.

Grease the bearing cups in the frame, then install bearings. Feed brake hose and derailleur controls through Preload Cone. Install fork and tighten Preload Cone until fork has no play but still rotates smoothly. Refer to page 20.

Feed hoses and derailleur controls through Fork Topper. Use the supplied M5 x 16mm screws to secure fork. Refer to page 21.

For Di2 builds, prepare the stem, by routing the 750mm length E-Wire so it passes through both blades, with the connector ends exposed at the handlebar end of each port.

Ensure you have the correct length bolts, apply Loctite 242 and secure the stem and stem spacers to the Fork Topper. Refer to pages 22-24.

Install handlebar and connect the controls. Refer to page 25.

NOTE: See the following pages for more detailed assembly instructions.
**BEFORE YOU BUILD**

- While the two-piece 5mm Stem Spacers allow for addition/removal without re-cabling the bike, the length of the cables used during first assembly will dictate how much adjustment is possible later on.
- After first assembly it is simpler to remove Stem Spacers (go lower) and trim the hydraulic brake hose at the brake lever as required.
- Adding spacers after first assembly (go higher) may require replacement of the cables to get the required length.
- Whenever possible, it is best to establish the correct fit before performing final cabling of the S5.

Here are a few tricks that we have learned along the way that may help with reinstallation:

Before reinstalling the stem with no spacers:
- Loosen the handlebar fixing screws a few turns.
- In order to avoid pinching the rear brake hose during reinstallation of the stem, simply remove the rear brake caliper from the frame and draw the extra hose length out, by gently pulling the caliper toward the rear of the bike.
- Taking care not to kink the derailleur housing (if using mechanical), carefully reinstall the stem by feeding the extra hoses into the frame, and tighten the stem fixing bolts to 7Nm.
- Reinstall the rear brake caliper by pushing the extra housing into the frame.
- Ensure the hoses and housings are located in the appropriate slot in the bar, and tighten the handlebar fixing bolts to 5Nm.

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- Reinstall the rear brake caliper by pushing the extra housing into the frame.
- Ensure the hoses and housings are located in the appropriate slot in the bar, and tighten the handlebar fixing bolts to 5Nm.

**WARNING**

Do not attempt to force hydraulic brake hose that will not slide smoothly into the frame through the fork topper/head tube. This may result in the cables becoming kinked or cracked, and cause a fluid leak which can result in a loss of brake function and a risk of serious injury.
**MECHANICAL CABLE PREPARATION**

- Brake
- Rear Shifter
- Front Shifter

**BRAKE HOUSING ROUTING**

It is recommended that the hydraulic brake hoses or brake cable housing is installed first. These routing illustrations are intended as a supplement to the manufacturer’s installation instructions only. For both hydraulic and mechanical disc brakes, please refer to the component manufacturer’s service center or website for further information.

**Route**
- Brake hose from chainstay through head tube.
- Route shifter housing from bottom bracket through headtube.

**Run brake hose from bottom of fork up through top.**
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 HOUSING ROUTING
Route hydraulic brake hose or mechanical brake housing through the frame and fork with the Disc Hose Bushings (CBG-DBH). Install and adjust calipers as per manufacturer’s instructions.

ELECTRIC CABLE ROUTING
Route rear brake hose through the right Preload Cone pass-through and Di2 E-Wire through the left.
MECHANICAL CABLE ROUTING

It is recommended that front and rear derailleur cables 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.

Route rear brake hose through the front Preload Cone pass-through. Route the rear shifter cable through the right and the front shifter cable through the left.

Route rear cable housing out of the Bottom Bracket Cable Port. Ensure that the housing is not twisted together. Add ferrules to the bottom bracket end of the housing.

FORK INSTALLATION

1. Check the headset components to ensure there are no sharp or rough edges on any of the surfaces which could impact fit or alignment of the bearing components. If any rough edges are detected, have the components repaired (sharp edges removed) or replaced before proceeding.

2. Install upper bearing on Preload Cone, and press bearing into lightly greased upper bearing pocket.

3. Press lower bearing into lightly greased lower bearing pocket.

4. Lightly grease the upper 10mm of the fork tension rod.

5. Insert fork by sliding tension rod through the bearings, so that the lower bearing mates on the lower fork bearing surface, and the tension rod locates in the Preload Cone.

6. Install M6 preload screw and tighten to remove play from the system. Final adjustment will be done after installation of the Fork Topper.

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

NOTE:
The S5 headset assembly does not require a compression ring.

NOTE:
The S5 headset assembly does not require a compression ring.

Route rear brake hose through the front Preload Cone pass-through. Route the rear shifter cable through the right and the front shifter cable through the left.

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

1. Locate Fork Topper on fork, so that the Preload Cone is captured and the three forward fixing screw holes align with the threaded fork inserts. Note, if these do not line up, ensure that the Fork Topper is the correct match to the frame/fork size.

2. Use 3 of the supplied M5 x 16mm fixing screws, to attach the Fork Topper to the fork and torque to 10Nm.

3. Install the remaining M5 x 16mm fixing screw in Fork-Topper, adjust preload screw to remove any play in the bearing, and torque pinch bolt to 5Nm.

STEM INSTALLATION

1. Attach the stem to the Fork Topper using the appropriate Stem Fixing Screws. It is imperative that the fixing screw length is matched accurately to the spacer configuration chosen. Ensure Locite 242 is applied to the Stem Fixing Screws and torque to 7-8Nm.

2. Base position for the S5 stem and handlebar matches that of the previous edition S5 with a 6˚ stem and a 5mm top cap.

3. Do not exceed six of the 5mm Stem Spacers. Refer to page 23.

4. Use 3 of the supplied M5 x 16mm fixing screws, to attach the Fork Topper to the fork and torque to 10Nm.

5. Install the remaining M5 x 16mm fixing screw in Fork-Topper, adjust preload screw to remove any play in the bearing, and torque pinch bolt to 5Nm.

6. Note: This diagram is for assembly reference only. During complete assembly, hoses and control cables will be present.
STACK ADJUSTMENT

WARNING
To ensure rider safety, it is critical that the supplied fixing screws be used, and matched to the indicated spacer size and configuration. Failure to do so may result in catastrophic failure of the steering mechanism, and injury to rider.

NOTE: Maximum stem stack adjustment is 30mm. This requires the use of all six 5mm Stem Spacers.

STEM FIXING SCREW GUIDE

M6 Stem Fixing Screws
Actual Size

- M6 x 14mm
  - No Spacers: BT-C028-14
- M6 x 20mm
  - 5mm (1 Spacer): BT-C028-20
- M6 x 25mm
  - 10mm (2 Spacers): BT-C028-25
- M6 x 30mm
  - 15mm (3 Spacers): BT-C028-30
- M6 x 35mm
  - 20mm (4 Spacers): BT-C028-35
- M6 x 40mm
  - 25mm (5 Spacers): BT-C028-40
- M6 x 45mm
  - 30mm (6 Spacers): BT-C028-45

- M6 x 14mm
  - No Spacers: BT-C028-14
- M6 x 20mm
  - 5mm (1 Spacer): BT-C028-20
- M6 x 25mm
  - 10mm (2 Spacers): BT-C028-25
- M6 x 30mm
  - 15mm (3 Spacers): BT-C028-30
- M6 x 35mm
  - 20mm (4 Spacers): BT-C028-35
- M6 x 40mm
  - 25mm (5 Spacers): BT-C028-40
- M6 x 45mm
  - 30mm (6 Spacers): BT-C028-45

30mm stack
Stem Spacers x6
Using the supplied M5 Handlebar Fixing Screws, attach handlebar to stem with the Handlebar Fixing Nuts. Ensure that chosen Fixing Screws and Handlebar Fixing Nut match the Stack or Pitch Adjust Wedge chosen. Torque to 6-6.5Nm.

**NOTE:** An additional 2.5mm of stack adjustment is possible by using the 2.5mm Handlebar Spacer Kit HBP-AB08-2.5MM

**WARNING**
Complete Handlebar Stack Spacer or Pitch Adjust Wedge kits must be utilized without substitution or combination of parts. 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.

**NOTE:** 
An additional 2.5mm of stack adjustment is possible by using the 2.5mm Handlebar Spacer Kit HBP-AB08-2.5MM

1. Install shifters on handlebar and connect Left and Right using the 750mm E-Wire A
2. Install 300mm E-Wire B connecting Junction A (EW-RS910) to Right shifter.
3. Thread 1400mm E-Wire C from frame, through right hand blade of the stem.
4. Thread brake hoses through the appropriate blades of the stem.
5. Install stem and optional 5mm Stem Spacers to Fork Topper ensuring that the appropriate fixing screws are used in consideration of spacer configuration. Refer to pages 23-24.
6. Attach handlebar to stem, and attach brake and shifting controls as per manufacturer’s instructions. Refer to page 25.
1. Install shifters on handlebar.
2. Thread exposed shifter housing through the appropriate blades of the stem. (right/rear, left/front).
3. Thread brake hoses through the appropriate blades of the stem.
4. Install stem and optional 5mm Stem Spacers to Fork Topper ensuring that the appropriate fixing screws are used in consideration of spacer configuration. Refer to pages 23-24.
5. Attach handlebar to stem, and attach brake and shifting controls as per manufacturer’s instructions. Refer to page 25.

The battery for your Shimano Di2 system mounts inside the down tube using the Internal Battery Mount (MT-BINT) designed to fit this frame. As this is a sealed location, it is important to test the system prior to final installation.

Ensure Loctite 242 is applied to the M3 fixing screws. Pass through the mounting holes to catch the fixing nuts in the battery holder, tightening only slightly to hold in place.

Press the two M3 fixing nuts into the holder through the upper holes. Attach battery to mount using two zip ties, and install.

Insert a long 5mm hex key into the lower end of the holder to work as an insertion tool.

Pass the battery and holder assembly through the opening in the bottom bracket shell and position it, in the down tube, so that the fixing nuts are located over the mounting holes.
With all wires inside, cap the Bottom Bracket Cable Port with the BB Cable Guide/Cover (BBG-0E0).

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

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

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

As per manufacturer’s instructions, install rear derailleur on rear derailleur hanger, cut appropriate housing length, and attach cable.
## SEATPOST ASSEMBLY

1. Ensure Loctite 242 is applied to threads below the head of the 45mm button head cap screw. Install cross bar on 45mm button head cap screw and torque to 3Nm.
2. Ensure Loctite 242 is applied to both fixing screw threads.
3. Install the curved washer and adjustment dial in the seatpost cutout.
4. Install the button head cap screw with crossbar installed, and turn the dial until threads are engaged.
5. Install the spherical washer on the 35mm spherical cap screw; so that the concave face, mates with the convex surface of the screw.
6. Install cross bar.
7. Apply light coat of carbon assembly compound to the radius on the upper face of the seatpost.
8. Install the curved washer between upper and lower clamping surfaces.
9. Establish desired saddle angle by first using adjustment wheel.
10. Tighten opposing angle adjusting screw to secure saddle at 8-9Nm.

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## SEATPOST CUTTING INSTRUCTIONS

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

1. Taking care to maintain the minimum required seatpost insertion of 6.5cm and maximum of 8.5cm, carefully measure and use a light coloured grease pencil to accurately mark the cut-off location on the seatpost.
2. Insert the S Series Seatpost in the Park Tool 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 Park Tool’s instructions).
4. Use fine grit sandpaper to carefully remove any fraying or burring from the cut end. Reposition clamp approximately 10cm from the cut end.
5. 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.
6. Carefully sand the end and after applying carbon assembly compound, return to the frame.

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**WARNING:**

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

Install the front derailleur using the bolt provided with the derailleur. Torque to the derailleur specifications.

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

NOTE: Installation of the chain catcher is recommended as it will prevent damage to the frame in the case that the chain is dropped inside the chainrings.

Tire Clearance

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

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

NOTE: Installation of the chain catcher is recommended as it will prevent damage to the frame in the case that the chain is dropped inside the chainrings.

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

**WARNING**
To ensure rider safety, it is critical to install the Cervélo Rapid Axle correctly. Failure to do so may result in a crash, with potential for serious injury to the rider.

Put the Cervélo Rapid Axle lever in the open position.

To secure the front wheel, install the greased axle, through the drive side drop out, through the wheel hub, aligning the T-End of the axle with the insert. Rotate the axle 90° clockwise until the T-End is stopped by the insert. If the lever is clamping too much/less adjust the preload nut until the lever is clamping securely.

Once adjusted, close lever to lock.

Use the preload nut to set the desired tension before closing.

Insert axle

Rotate 90˚ to secure

When the axle lever is in the open position the arrows are visible. When the axle lever is in the closed position the Cervélo logo is visible.

To secure the rear wheel, install the greased axle, through the non-drive side drop out, through the wheel hub, aligning the T-End of the axle with the derailleur hanger insert. Rotate the axle 90° clockwise until the T-End is stopped by the insert. If the lever is clamping too much/less adjust the preload nut until the lever is clamping securely.

Once adjusted, close lever to lock.

Use the preload nut to set the desired tension before closing.

Perform final tightening on Rear Derailleur Hanger Fixing Nut using a 17mm wrench. This action is unique to initial assembly, and should not require adjustment afterwards.

**WARNING**
The force required to close the lever should leave a clear imprint in the palm of your hand, or require wrapping your fingers around the fork leg for leverage while closing.

Adjust brakes as per manufacturer’s instructions.
Adjust shifting as per manufacturer’s instructions.

When the axle lever is in the open position the arrows are visible. When the axle lever is in the closed position the Cervélo logo is visible.