

**cervélo**

***S5 SUPPLEMENTARY MANUAL***

***S5***

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## INTRODUCTION

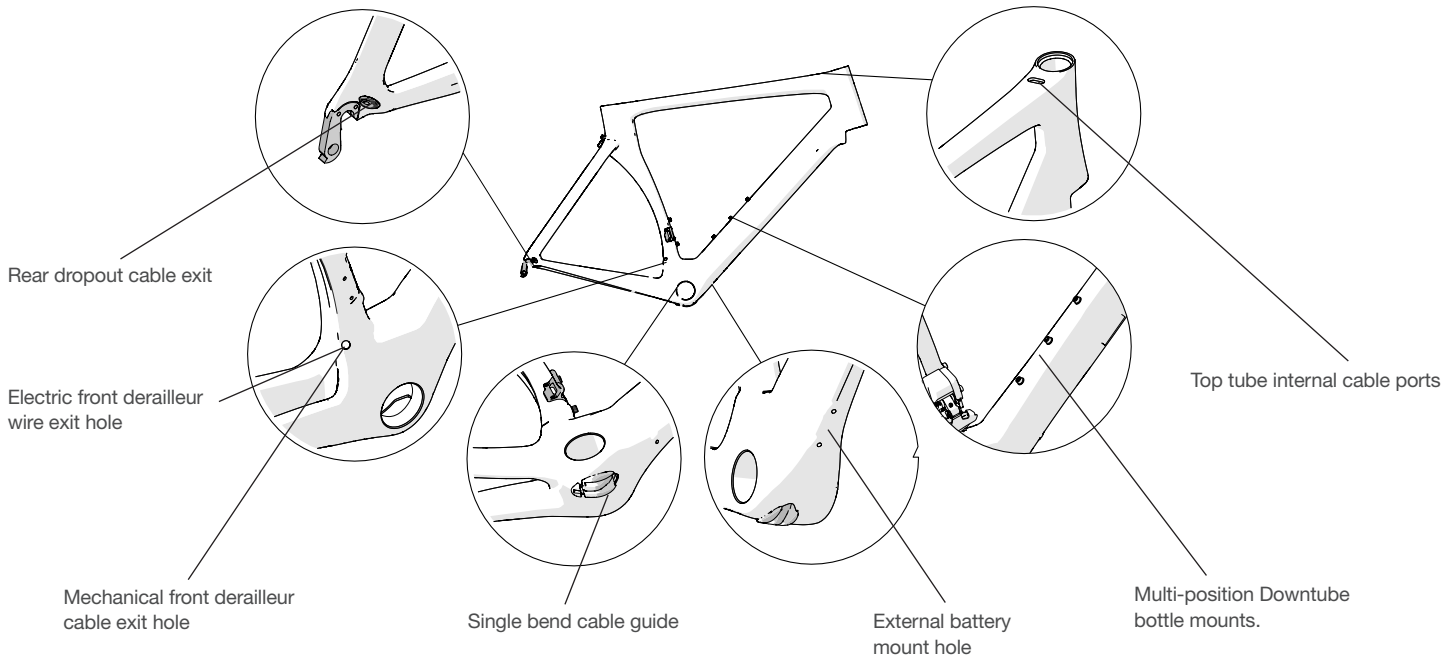
Welcome to the **Cervélo** family, and congratulations on your purchase of the fastest road bicycle ever produced.

With 20 years of aerodynamic research driving it, the S5 remains the most advanced aero-road bicycle ever developed by **Cervélo**. Engineered to exceed the performance needs of the most demanding elite riders, and designed to integrate seamlessly with the latest trends in equipment, we are proud to offer unprecedented combinations of versatility and high performance.

This document has been prepared to guide you through the set-up of the unique features of the S5, but is intended only as a supplement to the assembly instructions offered by your component manufacturer.

# FEATURES DIAGRAM

A guide to your **Cervélo S5**



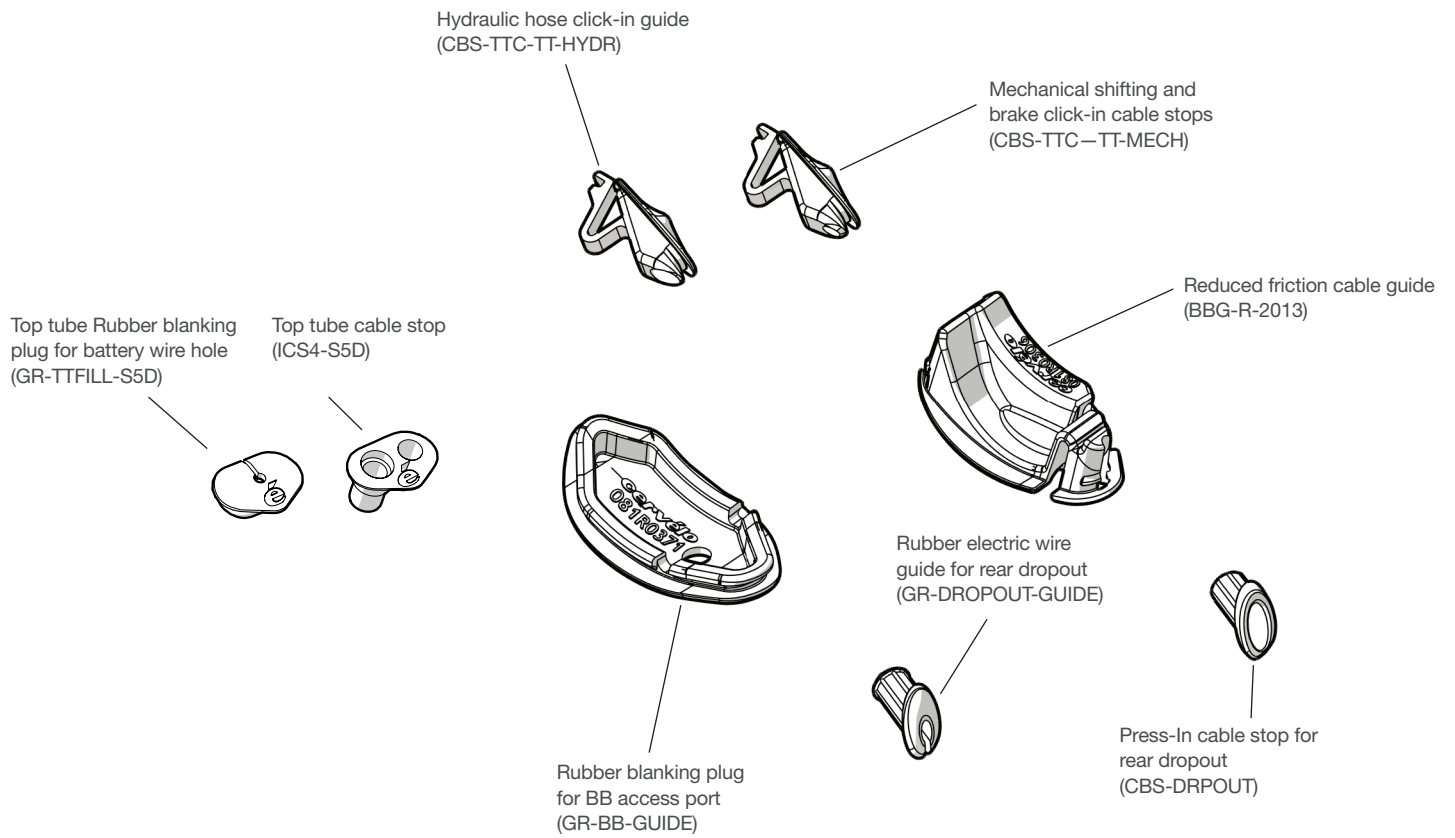
## GETTING STARTED

### Fork

Before fitting and installing your fork, please consult the included **Cervélo** Fork Installation manual, and familiarize yourself with the correct assembly procedure. Along with the guide, you will find the **Cervélo** bond-in compression plug and sleeve, two-part epoxy, and cleaning materials. When cutting to length, **Cervélo** requires that the Steerer tube is held using the appropriate saw guide for threadless steerer, and cut using a carbon specific blade only. To ensure rider safety, the inside of the fork should be properly cleaned before the bond-in compression plug is installed, and the epoxy is allowed to cure.

### Derailleur cables

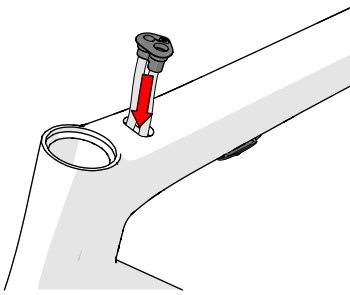
Designed to accommodate electronic, mechanical and hydraulic controls, the S5 frame has been engineered to provide seamless integration of all shifting systems, regardless of method or brand. In order to do so, you will require the parts shown on the following page:



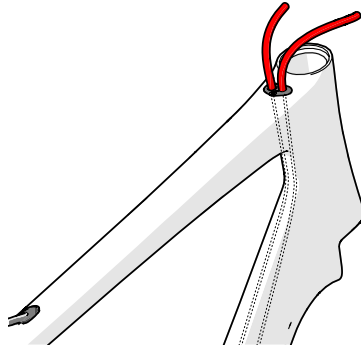
## Mechanical

Front and rear derailleur cables should be assembled with the rear housing inserted into the drive-side port of the top tube cable stop, and the front housing in the non-drive side cable port (with rocket-adjuster installed). The housing should be long enough that it passed in a smooth arc from the lower back of the bar, over the stem cap, and enters the top tube cable stop perpendicular to the top tube. The housing stops in the cable stop, with the cables continuing into the frame through the plastic straws provided.

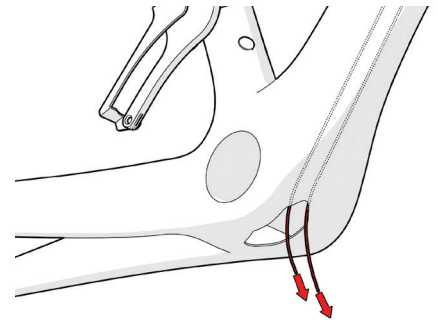
Connect the cables to derailleurs and adjust as per manufacturer's instructions



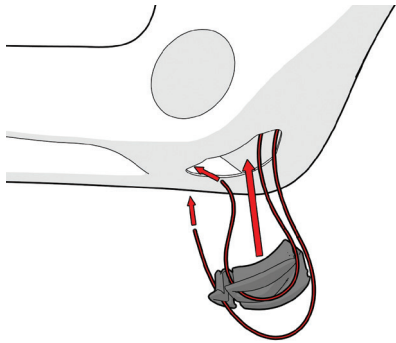
Clip in top tube cable stop



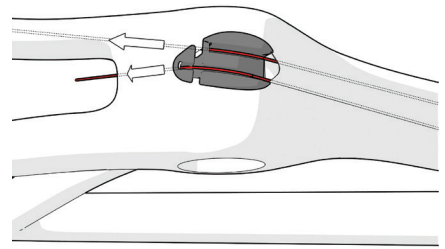
Route housings to cable stop in smooth arc



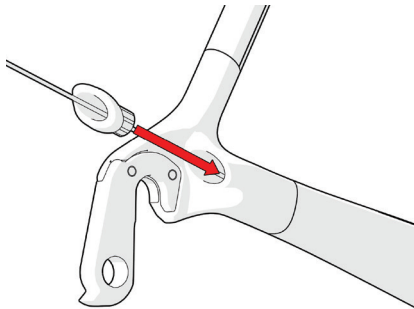
Route cables into the frame, and out of bottom bracket. Ensure cables are not twisted together.



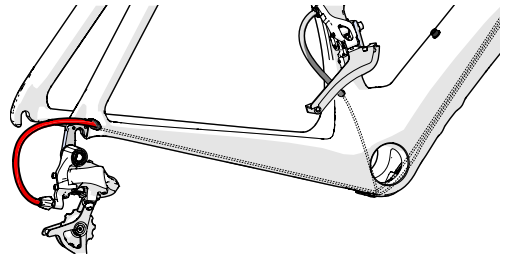
Route cables through BB guide. Front cable crosses the valley. Feed cables in direction of seat tube and chain stay.



Route cables out of front derailleur and rear dropout exit holes. Snap BB guide into frame.



Install chain stay housing stop.

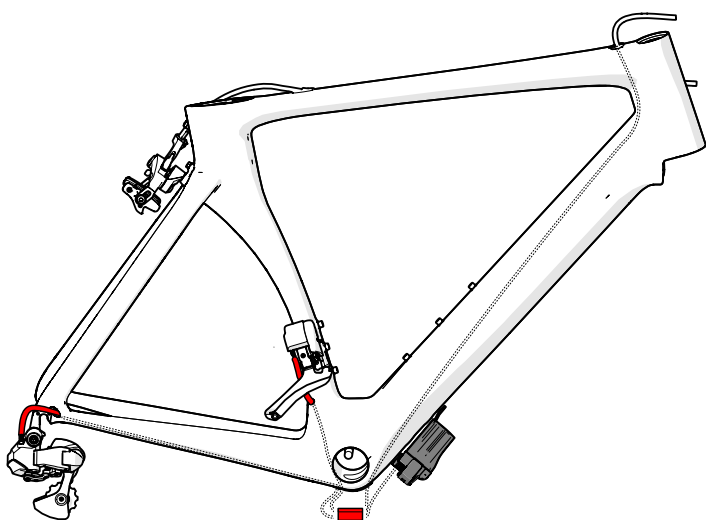


Housing stop is about 8cm farther back, so use about 8cm shorter housing than normal.

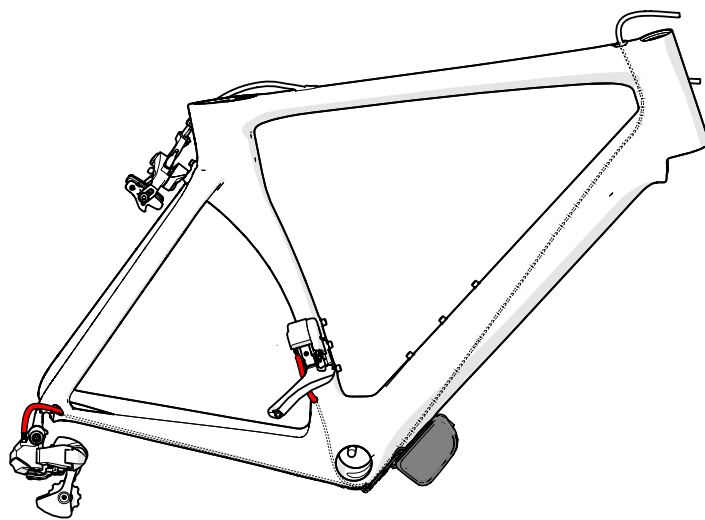
## Electrical

These instructions and pictures are for assembling the Shimano and Campagnolo electronic shifting systems on the **Cervélo S5**, and are intended as a supplement to the manufacturer's installation instructions only. Please refer to [www.shimano.com](http://www.shimano.com), [www.campagnolo.com](http://www.campagnolo.com) and [www.cervelo.com](http://www.cervelo.com) for additional information.

It is recommended to install the electronic system as a first step when building up a bare frame.

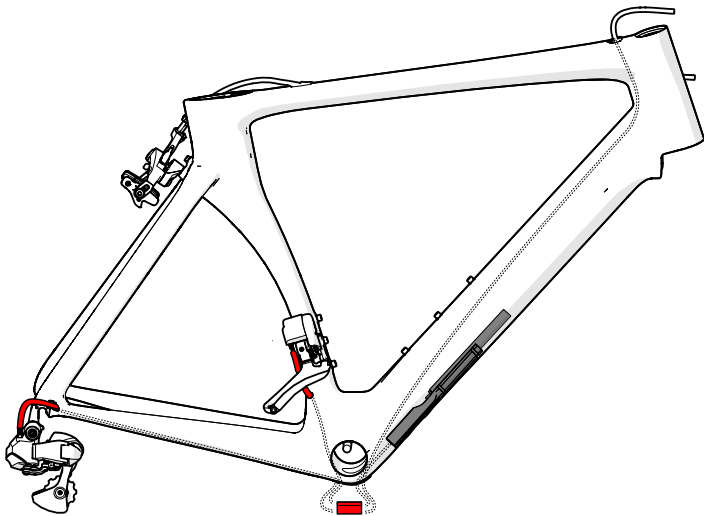


Shimano external battery

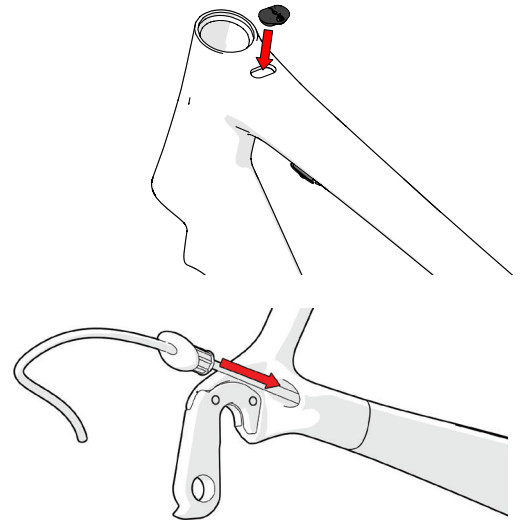


Campagnolo

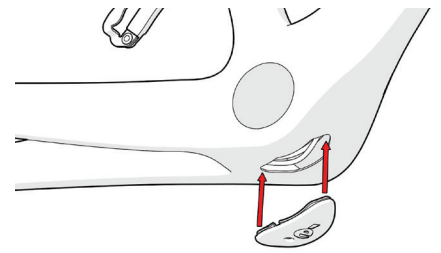




Shimano internal battery



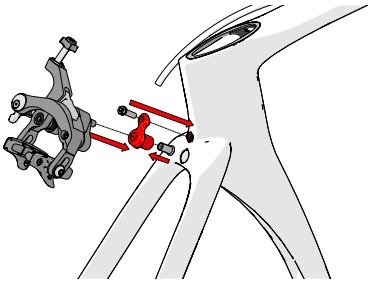
Insert rubber parts as shown.



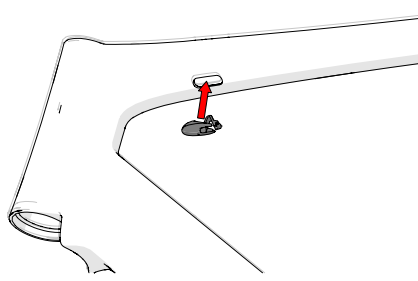
Close bottom bracket with the **Cervélo** cover.

## REAR BRAKE

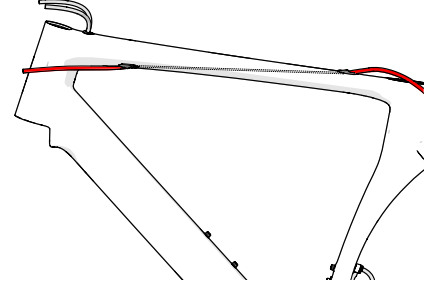
The installation of the rear brake requires the attachment of the S5 brake plate to the caliper, before it can be fitted to the frame.



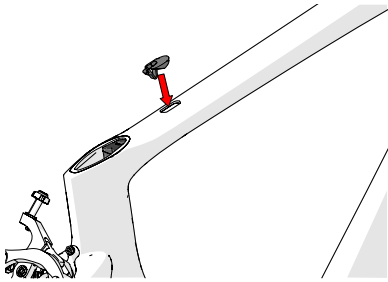
Install caliper to S5 brake plate (size specific) using 10mm fixing nut as per manufacturer's specifications. Attach S5 brake plate to frame using lightly greased M5 fixing screw. Tighten to maximum 4.5Nm.



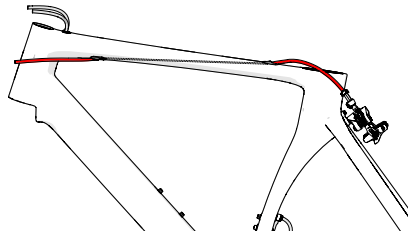
Install front click-in cable housing stop.



Route brake cable in and out of the top tube.



Install rear click-in housing stop.



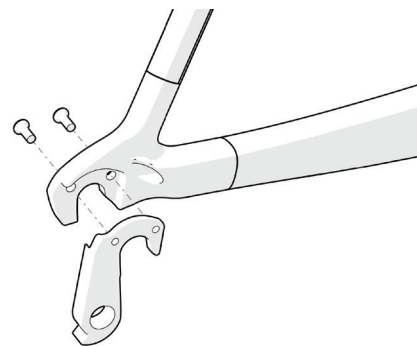
Install rear housing and adjust brake as usual.

For hydraulic brakes, substitute the appropriate click-in hose guides. Hydraulic hose guides have a 5mm through hole.

## REPLACEABLE REAR DERAILLEUR MOUNT

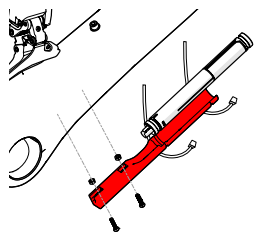
Your S5 utilizes a replaceable rear derailleur mount (DRH-R-2012) for simplified service and extended frame life. In the unfortunate event that replacement is required, **Cervélo** recommends authentic Cervélo replacement parts be used.

Inspect the frame for damage and ensure the frame is clear of any debris. Apply Loctite 242 to the fixing screws, and tighten the screws equally to a maximum of 2.5Nm. Install the wheel in the frame, and use a Derailleur Alignment Gauge to align the hanger parallel to the wheel.

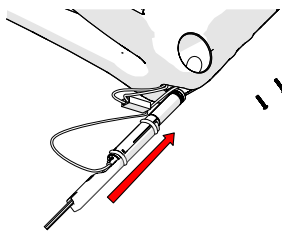


## INSTALLING INTERNAL BATTERY

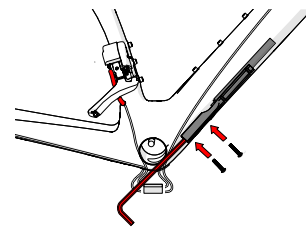
The battery for your Shimano Di2 system mounts inside the downtube using a holder (DI-BM-INT-S5D) designed to fit this frame. Because this is a sealed location, it is important to test the system and install the battery unit, prior to the bottom bracket



Attach battery to mount using 2 zip ties, and install the two M3 fixing nuts into the holder through the upper holes.



Insert a long 5mm hex key into the lower end of the battery holder to work as insertion tool. Passing the battery and holder through the opening in the bottom bracket shell, locate the battery holder so that it is inside the down tube, and the fixing nuts are positioned over the mounting holes.



Apply Loctite 242 to the M3 fixing screws, and pass them through the mounting holes so that they catch the fixing nuts in the battery holder. Tighten only slightly. Remove 5mm hex key. Using 2mm hex key, tighten fixing screws to maximum of 2.5Nm.

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[www.cervelo.com](http://www.cervelo.com)