

ROUVIDA USER ASSEMBLY MANUAL

cervélo

velo

ROUVIDA USER ASSEMBLY MANUAL

English. 2

Français 67

Italiano 133

Deutsch. 199

Español 265

Nederlands. 331

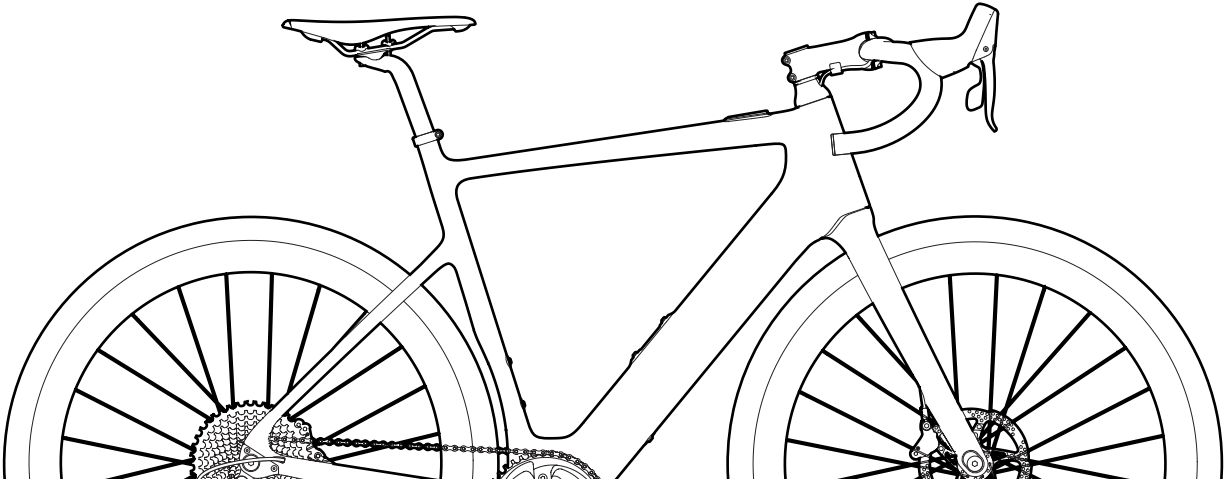


TABLE OF CONTENTS

Introduction.	3	Accessories Installation.	38
Important Information	4	Accessories-Mudguard Installation	40
Frame and Component Glossary.	6	Operating Instructions.	44
General Information	8	Charging the Battery.	46
Frame Features.	12	LED Hub	47
Rouvida Parts List.	13	Ride Assist Modes	48
Rouvida Parts List-Fazua Components	15	Intended Use of the Rouvida Bicycle	49
Small Parts	16	Rouvida Torque Specifications.	50
AB09F Handlebar	19	Maintenance Instructions.	53
HB13 Handlebar	20	Mechanical Safety Check	54
ST31 and ST32 Stems	21	Ride 60 System Safety Check	56
ST36 Stem	23	Transport, Storage and Disposal	59
Assembly Instructions	24	Risk of Fire, Shock, Injury	60
D-Shaped Steerer Fork Preparation and Installation.	28	Rouvida Frame Details	62
Road Control Switch Location.	31	Fazua Drive Unit Details.	63
Tire/Rim Clearance.	33	Rouvida Frame Geometry-Gravel	64
Seatpost Assembly	34	Rouvida Frame Geometry-Road	65
Di2 Battery Installation.	35	Cervélo Customer Support.	66
Aero Thru-Axle Installation	36		

INTRODUCTION

Thank you for purchasing your new Cervélo Rouvida bicycle.

Before your first ride, please read this user manual carefully and make sure to save it in a safe place for reference.

IMPORTANT: This user manual contains important safety, performance and service information.

This User Manual is specific to your Cervélo Rouvida bicycle, and must be read carefully in addition to the Cervélo Bicycle User Manual included with your bicycle. All Cervélo Manuals can be found online using the QR code at right.



You must read the additional information on the Fazua Ride 60 Drive system found in the Fazua Quick Start Guide and Fazua Ride 60 Instructions, which is available online using the QR code to the right. This information must be read and understood prior to assembly and your first ride.



If any of these documents are not available, please contact your authorized Cervélo Retailer or Cervélo Customer Support to access this information.

All content in this manual is subject to change or withdrawal without notice. Visit Cervélo’s Product Manuals page (see QR code to the left) to view or download the latest version. Cervélo strives to ensure the accuracy of our documentation, and assumes no responsibility or liability of errors or inaccuracies appear within.

**CAUTION**
Read all instructions carefully before using your Rouvida bicycle.

Your Cervélo Rouvida bicycle is classified as an EPAC (Electrically Power Assisted Cycle, alternately known as a Pedelec)- a specific category of E-bike. The Rouvida is referred to as a bicycle or EPAC in this manual unless otherwise noted.

This User Manual contains many “Warnings” and “Cautions” concerning the consequences of failure to maintain or inspect your bicycle and of failure to follow safe cycling practices.

The combination of the safety alert symbol  and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

The combination of the safety alert symbol  and the word **CAUTION** indicates a potentially hazardous situation which, if not avoided, may

result in minor or moderate injury, or is an alert against unsafe practices.

The word **NOTICE** used without the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the bicycle, property damage or the voiding of your warranty.

Many of the Warnings and Cautions say “you may lose control and fall”

NOTICE: Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death.

Useful and important information is identified by this symbol .

Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representation about the safe use of the bicycle under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider.

IMPORTANT INFORMATION

This manual contains critical details to safely complete assembly, operate, and maintain your Rouvida bicycle.

 **WARNING**
The full assembly of this bicycle requires specialized knowledge and specific tools. Failure to follow the supplied instructions or installation of parts not provided with your bicycle may result in incorrect and unsafe assembly, resulting in loss of control and serious injury or death to the rider.

This manual assumes that your retailer has the minimum required background and skill level required of all professional bicycle mechanics.

 **WARNING**
When using the Rouvida EPAC bicycle, basic precautions should always be followed, including the items listed below:

a. Read all the instructions before using the EPAC.

b. To reduce the risk of injury, close supervision is necessary when the EPAC is used near children.

c. Do not put fingers or hands near any of the moving parts of the bicycle within use, or

near the electrical parts while charging or operating the EPAC.

d. Never open any components of the drive system. Unauthorized opening will invalidate the warranty and risks irreparable damage to the drive system.

e. Do not carry out any work on the EPAC while the battery is being charged. Turn the battery off and remove the charging plug from the EPAC’s charging socket, and the power cord from the wall socket / outlet before performing any service work.

f. Do not use the EPAC if the power cord or charging cable is frayed, has broken insulation, or shows any other signs of damage.

g. This EPAC is not intended to be used at ambient temperatures less than -5° C (23° F) or above ambient temperatures of 45°C (113°F).

h. The battery is intended to be charged when the ambient temperature is between 0°C (32°F) and 35°C (95°F). Never charge the battery when ambient temperatures are outside this range.

i. When replacing components of the drive

system or other components of the EPAC (e.g. chainring, pedals), only identical components or components approved by Cervélo may be installed. Consult your authorized retailer or contact Cervélo Customer Support for advice on any changes you would like to make to the Rouvida EPAC.

Grounding Instructions

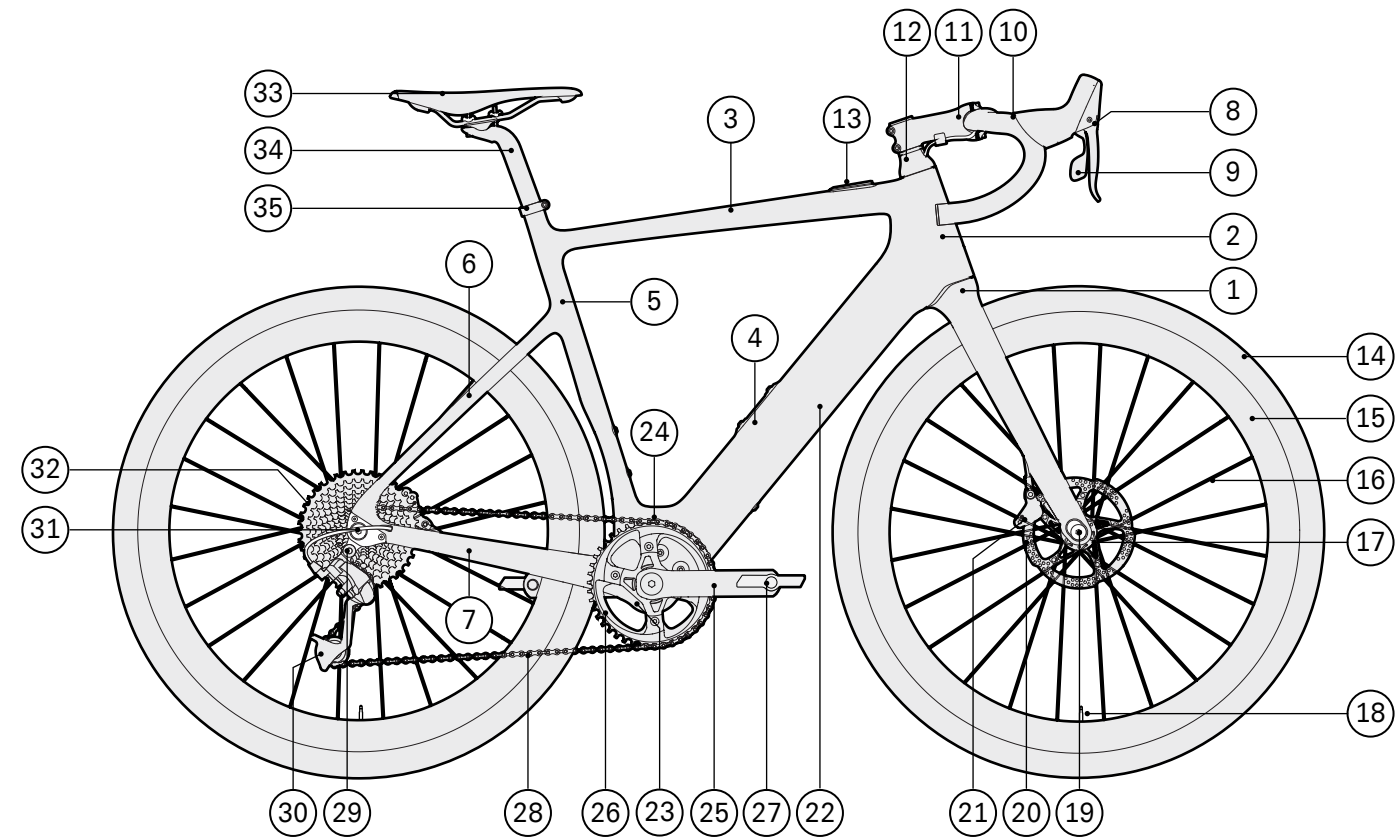
This EPAC must be properly grounded while charging. If it should malfunction and break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This EPAC is equipped with a charging cord having that houses an equipment grounding connector and a grounding plug. The charger power cord must be plugged into an outlet that is properly installed and grounded in accordance with all local codes/ordinances.

 **WARNING**
Improper connection of the equipment grounding connector is able to result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit in the outlet, have a proper outlet installed by a qualified electrician.

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

 **INFORMATION:** The A-weighted emission sound pressure level is lower than 70dB(A) at the cyclist’s ears.

FRAME AND COMPONENT GLOSSARY



Item No.	Description
1	Fork
2	Frame-Head Tube
3	Frame-Top Tube
4	Frame-Down Tube
5	Frame-Seat Tube
6	Frame-Seatstay
7	Frame-Chainstay
8	Brake Lever
9	Gear Shifter
10	Handlebar
11	Stem
12	Headset
13	LED Hub Display

Item No.	Description
14	Tire
15	Rim
16	Spoke
17	Hub
18	Valve
19	Thru-axle-Front
20	Brake Rotor-Front
21	Brake Caliper-Front
22	Power Unit (Internal)
23	Drive Unit
24	Charge Port (On non-drive side)
25	Crank Arm
26	Chainring

Item No.	Description
27	Pedal
28	Chain
29	Rear Derailleur Hanger
30	Rear Derailleur
31	Thru-axle-Rear
32	Cassette
33	Saddle
34	Seatpost
35	Seatpost Clamp

GENERAL INFORMATION

Intended Use

The Cervélo Rouvida bicycle was designed and tested for riding on paved roads, gravel or dirt roads in good condition, and bike paths with moderate grades. Contact with irregular terrain and momentary loss of tire contact with the ground may occur. Drops should be no more than 6 in. (15 cm) (Condition 2).

The maximum permissible total weight of the bicycle (rider + luggage + bike) is 110 kg (243 lbs). The typical weight of the Rouvida bicycle alone is 13 kg (29 lbs).

The Cervélo Rouvida is classified as an EPAC (Electrically Power Assisted Cycle). The motor support will automatically switch off when you reach a maximum speed of 28 mph in the US (in applicable states), and 25 km/h in Europe.



CAUTION

Any attempt to modify, tamper with, or otherwise alter the Ride 60 Drive System is prohibited and will void the Cervelo and Fazua warranties.



INFORMATION: Before using your Rouvida bicycle, please consult all applicable legal requirements and regulations in your country, state, or local region. There may be restrictions on riding your Rouvida on public roads, cycling paths, and/or trails. There may also be applicable helmet requirements, age restrictions, license requirements, or insurance requirements. Laws and regulations applicable to electric bicycles are evolving, and vary by region/state/country, so take care to ensure you have the latest information. Your authorized Cervélo Retailer is also a good source of information for your area.

General Riding Information

EPAC bicycles provide assistance to the rider with a small electric motor when the support system is switched on, the bike is in motion, and the rider is pedalling the bicycle. The amount of assistance can be adjusted by utilizing the three different assistance modes/levels. The amount of assistance is also dependent on the force applied to the pedals, as well as pedalling cadence and current speed of the bicycle. As soon as the rider stops pedalling, the motor assistance switches off and the Rouvida will behave similarly to a regular bicycle. Motor assistance will also stop if the battery charge is too low, or if the rider reaches a speed above the preset maximum. The preset maximum speeds for Rouvida are defined by

regulations as follows:

- In Europe the motor assistance will automatically switch off when you reach a maximum speed of 25 km/h (15.5 mph).
- In the USA the motor assistance will automatically switch off when you reach a maximum speed of 45 km/h (28 mph).

To go faster than the preset maximum speeds the rider would need to pedal harder without electric assistance, or ride downhill. The Rouvida can be ridden as a normal bicycle without motor assistance by switching the remote (LED Hub) to the OFF mode (no LED lights visible).



WARNING

Do not attempt to ride at speeds beyond those that current road/trail, traffic, and weather conditions permit. Failure to adapt your riding style to the local conditions can result in an accident could result in serious injury or death.

As an EPAC bicycle, the Rouvida offers a riding experience that differs from regular, non-assisted bicycles. Some of the key differences are as follows:

The electric motor and battery make the Rouvida significantly heavier than standard bicycles.

- Use caution when lifting, moving, or transporting the bicycle.

- The additional weight affects the braking and acceleration of the EPAC. The stopping distance travelled from speed can be longer than on a standard bicycle; conversely it can take longer to accelerate back up to speed when motor assistance is switched off. You should commence braking earlier on your Rouvida to compensate for the higher speed and weight - particularly in the beginning as you are learning the characteristics of the bicycle.

- The additional weight can affect the handling of the EPAC relative to a standard bicycle. Take care to follow tire pressure recommendations for your particular Rouvida model.

The acceleration potential of Rouvida with the electric motor assistance can be greater than expected.

- Cervélo recommends beginning with the lowest power mode of the Ride 60 system (Breeze 0 - Green LED) until you are familiar with the operation of the EPAC.

- Pay attention to your speed, as the motor can allow the bicycle to approach obstacles much faster than anticipated.

Battery Life / Range. How long or how far you can ride your Rouvida EPAC before the battery needs to be recharged depends on several factors:

- The assistance level (low assistance “Breeze” provides maximum range).

- Your riding speed (higher speeds use more battery energy).

- Gear selection (shifting to maintain optimal cadence (55 to 125 rpm) increases range).

- Tire selection and tire pressure (low pressure causes the bike to roll less efficiently).

- Your route and weather conditions.

- The total weight of the rider + Rouvida (higher weight uses more battery energy).

- The condition and age of the battery.

Caring for the EPAC

Installation / Personalization

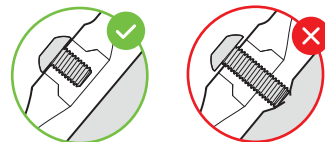
- Please refer to the Assembly Instructions section of this manual for more information on the Rouvida’s components and assembly directions.



WARNING - FIRE HAZARD

Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer. Use of incorrect bolts or incompatible parts can result in a risk of short circuits, or damage to the battery. Be certain to use the correct bolts - incorrect bolts or incompatible parts can result in a risk of short circuits, or damage to the battery.

Be certain to use the correct bolts - incorrect bolt length could cause a short circuit of the electrical system or damage the battery which can lead to overheating. A battery that is severely damaged can catch fire.



Charging the battery

- The Rouvida’s battery is non-removable, and must be charged through the charging port located above the left side crank arm.
- The safe temperature range for charging the Ride 60 battery is 0 °C to 35 °C (32 °F to 95 °F) ambient. Do not charge the battery in temperatures that fall outside of this range as this



WARNING - FIRE HAZARD

Use only Fazua charger 3A, which is labeled as STC-8207LD on the underside of the charger, to charge the Rouvida battery. Use of alternate chargers may damage the charger or the battery, which poses an increased risk of fire or explosion.

GENERAL INFORMATION

may damage the charger or the battery, which poses an increased risk of fire or explosion.

**WARNING - FIRE HAZARD**
Only charge the Rouvida battery within the safe temperature range.

**CAUTION**
Read all instructions carefully before using your Rouvida bicycle.

NOTICE: Charging time can be up to 3.5 hours, do not leave the EPAC charging longer than 3.5 hours.

Operating Temperature

- The Rouvida’s operating temperature range is -5 °C to 40 °C (23 °F to 104 °F) ambient. Take care that you do not leave the Rouvida bicycle in conditions above or below this range- such as in a hot car during the summer, or outside in the winter.

**WARNING - FIRE HAZARD**
Excessive heat can damage the battery and result in a fire.

- Please refer to the **Operating Instructions** section of this manual for more information on safe operation of your Rouvida EPAC.

Repairing and Maintaining

- Cervélo recommends that maintenance and adjustment procedures be performed by an authorized Cervélo retailer.
- Never attempt to open, service, or repair any parts of the Ride 60 electrical system. Always contact your authorized Cervélo retailer to service any parts of the electrical system.

Cleaning the EPAC

- Please refer to the **Maintenance Instructions** section of this manual for more information on how to keep your Rouvida EPAC in top working order.

**CAUTION**
Do not submerge any of the Fazua Ride 60 electronic components in water or other liquids, and do not wash them with a high-pressure washer/hose. Water that contacts the electrical system can damage it and result in short circuits.

Transporting the EPAC

- Vehicle racks- the added weight of the electric drive system could overload vehicle-mounted bike racks. Please check your rack’s owner’s manual to be sure it is compatible with your Rouvida EPAC.

Storing the EPAC

- Take care to ensure that the operating and storage temperatures for the Ride 60 drive system are followed. The battery in particular can be damaged by extreme temperatures.
- Store the Rouvida in a dry, ventilated location away from sources of moisture, heat, and combustible or easily flammable materials. Recommended permissible storage temperature range for a period of up to 1 year is -15 °C to 25 °C (5 °F to 77 °F).
- If the battery will not be used for an extended period of time, it should be charged to a minimum level of 60% charged before it is stored. Monitor the battery charge while it is in storage a minimum of once every 6 months to ensure it remains above a minimum 20% charge. Batteries can be damaged by completely discharging.

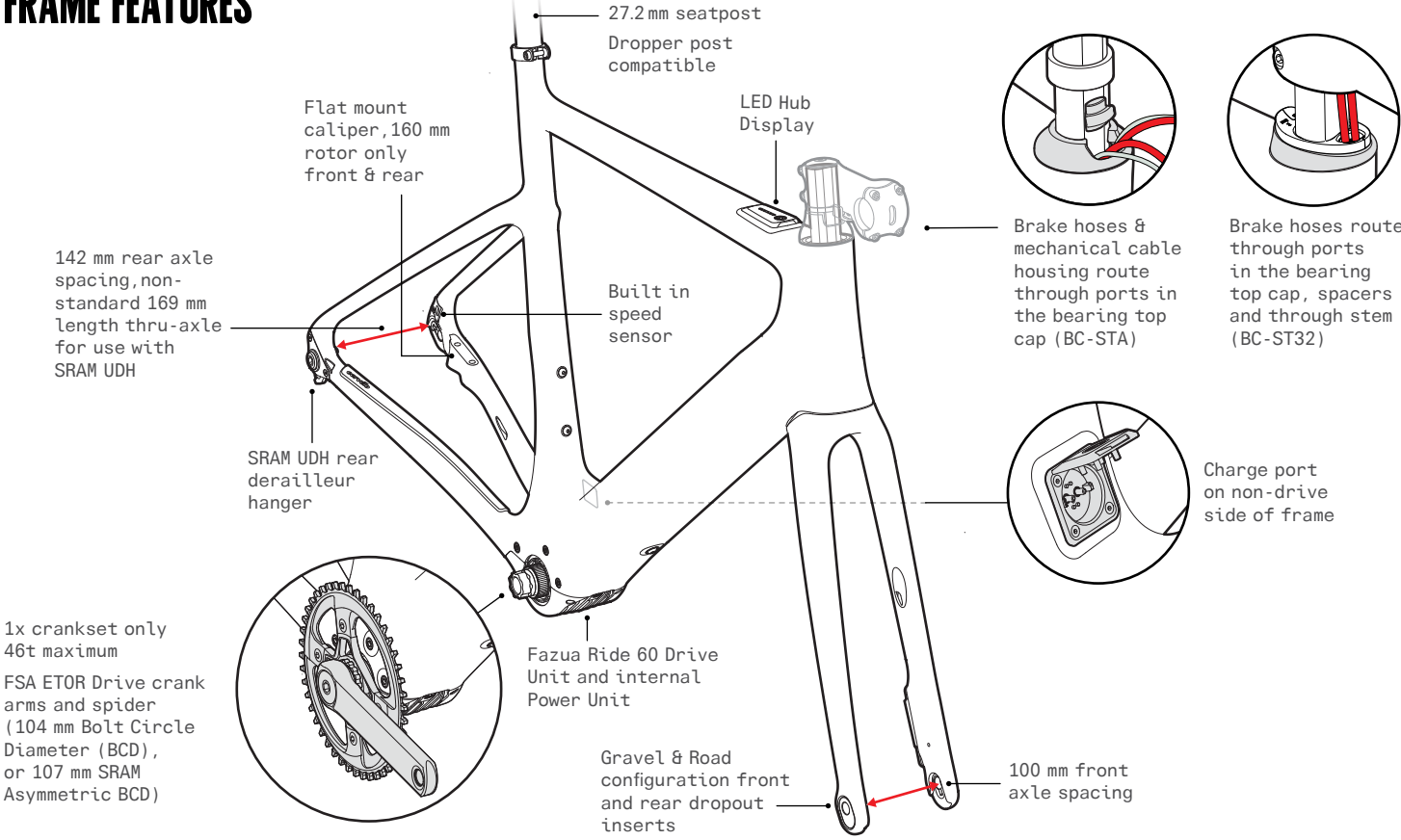
- Please refer to the **Transport & Storage Instructions** section of this manual for more information on how to safely transport or store your Rouvida EPAC.

Disposal

- When the time comes, please dispose of the drive unit, battery, speed sensor, remote, wiring, and any other components or packaging in an enviroN-mentally responsible manner according to local laws and regulations. Do not dispose of these items in household waste. Contact your authorized Cervélo retailer information on proper recycling options.

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

FRAME FEATURES



ROUVIDA PARTS LIST

Item Description	Cervélo Part No.
ST36 Headset Bearing Cap Kit (14mm & 30mm)	BC-STA
ST36 Headset Bearing Cap Kit (8mm)*	BC-STA-644
ST36 Bearing Cover Plug	PL-601
ST36 Headset Split Ring	SR-STA
ST32 Bearing Cap Kit	BC-ST32
ST31 / ST32 Top Cap	STC-305
ST31 / ST32 Spacer Kit	SK-032
Upper Headset Bearing FSA 1-1/4 45x45	HS-082
Lower Headset Bearing FSA 1-1/2 36x45	HS-110
D-Shaped Compression Plug	FKI-CL005-517A

* Available aftermarket only, compatible with electronic groupsets only

Item Description	Cervélo Part No.
Split Ring (BC-ST32)	SR-312
ST31 Stem	See page 21
ST32 Stem	See page 21
ST36 Stem	See page 23
ST36 Cable Guide	MT-597
AB09 Carbon Handlebar (Flared)	See page 19
HB13 Carbon Handlebar	See page 20
SP19 Seatpost w/ Head 25mm	SP-SP19-25MM-WH
SP19 Seatpost w/ Head 0mm	SP-SP19-ZERO-WH

Item Description	Cervélo Part No.
SP19 Seatpost w/ Head 15mm	SP-SP19-15MM
Seat Post Clamp	SPC-SQ-R-2011-A
Seatpost Battery Mount	MT-BINT-SP2
FM137 Chainstay Protector	PRO-CS-ASP
Cervélo Front Aero Thru-Axle w/ Removable Handle	QRA-AERO2-F
Removable Handle For Cervélo Aero Thru-Axle	QRA-AERO2-HNDL
Cervélo UDH Rear Aero Thru-Axle w/ Removable Handle	QRA-698
RD Blanking Plug	GR-DRPOUT-CLOSED
RD Electric Wire Guide	GR-DRPOUT-GUIDE

ROUVIDA PARTS LIST

Item Description	Cervélo Part No.
ERA Road Fender Mount Assembly	MTA-751
ERA Battery Isolator Foam	PRO-817
ERA Motor Cover	CVR-718
ERA Speed Sensor Cover	MT-719
ERA Down Tube Plug	PL-720
ERA Charge Port Fixing Bolts	BT-506
ERA Road Dropout Insert Kit	QRI-717
ERA Road Fork Brake Plate	BRP-706
ERA Battery Mount Fixing Screws	BT-012

Item Description	Cervélo Part No.
ERA Gravel Frame Brake Plate	BRP-707
ERA Gravel Dropout Insert Kit	QRI-712
SRAM UDH Rear Derailleur Hanger w/ Fixing Screw	SRAM p/n 00.7918.089.000
104 BCD 4 Bolt Spider (50mm Chainline) for ERA	CSP-195
107 BCD SRAM 4 Bolt Spider (47.5mm Chainline) for ERA	CSP-197
Accessory Mount-Front	MT-LM-F-004
Accessory Mount-Rear	MT-LM-R-003

ROUVIDA PARTS LIST – FAZUA COMPONENTS

Item Description	Part No.
Ride 60 Drive Unit WB (Motor)	AS-10A101100A
Ride 60 Drive Unit Fixing Screw	AS-60A114000A
Ride 60 Drive Unit Crankset Spider Lockring	AS-60A115000A
Ride 60 Power Unit Mounts (x2) w/ Fixing Screws	AS-62A104100A
Ride 60 Power Unit Mount Fixing Screw	AS-60A120000A
Fazua Ride 60 Energy 430 Power Unit (Battery)	AS-20A103001A
Ride 60 Charger 3A	AS-21A101001A
Ride 60 Charger Plug- EU	AS-21A102000A

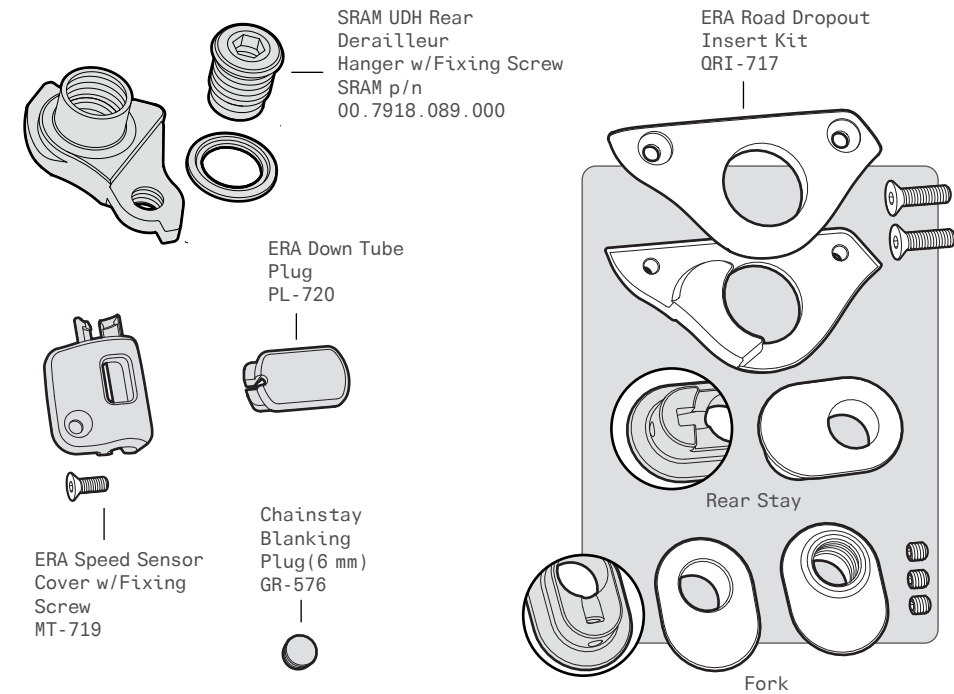
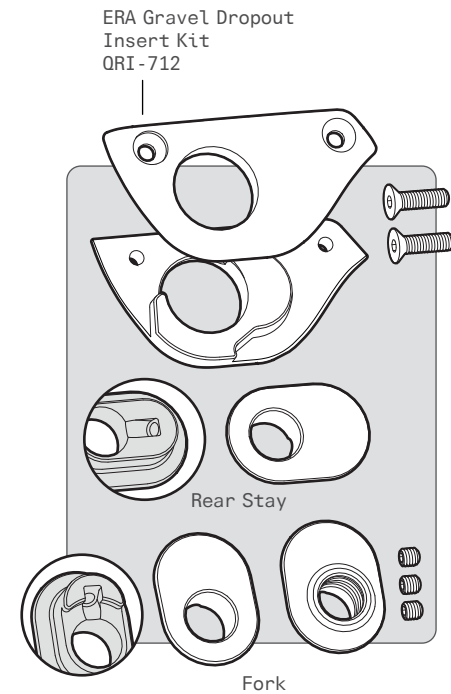
Item Description	Part No.
Ride 60 Charger Plug- UK	AS-21A102100A
Ride 60 Charger Plug- US	AS-21A102200A
Ride 60 Charge Port S (no Charge Cap)	AS-61A102000A
Ride 60 Charge Cap	AS-61A105000A
Fazua Ride 60 LED Hub	AS-30A102200A
Road Control-Right Hand	AS-31A102000A
Road Control-Left Hand	AS-31A102100A
Road Control Splitter	AS-60A122000A

Item Description	Part No.
Fazua Ride 60 Speed Sensor Cable	AS-61A101100A
Ride 60 Center Lock Magnet	AS-61A104000A
Ride 60 6-Hole Magnet	AS-61A104100A
Ride 60 Thru-Axle Magnet	AS-61A104200A

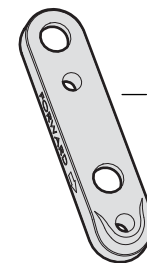
* Fazua replacement parts are available only directly from Fazua or their Certified Partners.

SMALL PARTS

Designed to accommodate electronic, mechanical and hydraulic controls, the Rouvida frame is engineered to provide seamless integration of all shifting systems, regardless of method or brand. In order to do so, you may require the parts shown below:

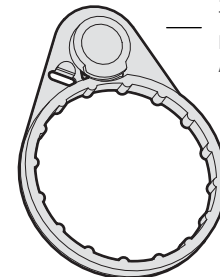
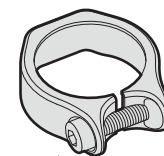


ERA Road Fork Brake Plate
BRP-706



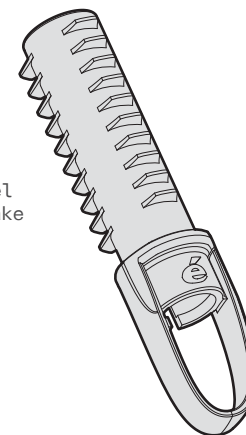
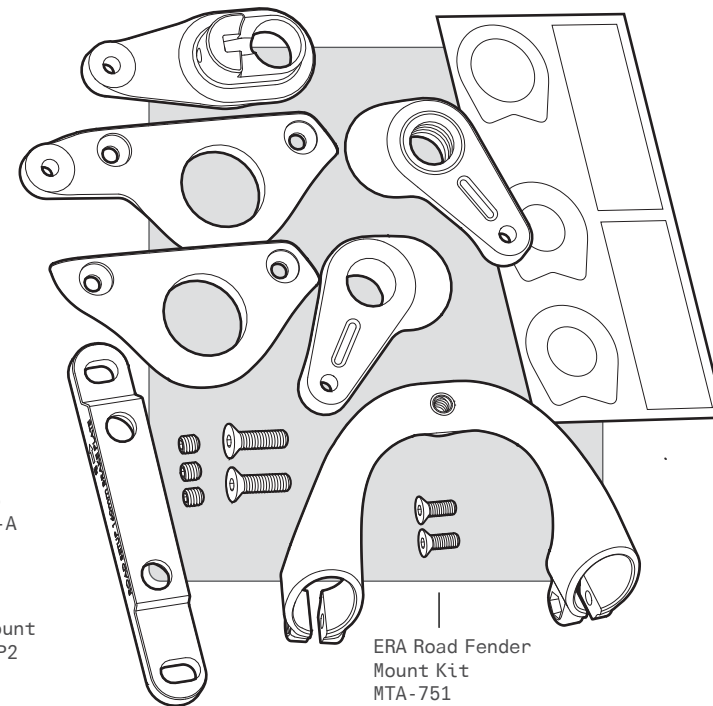
ERA Gravel Frame Brake Plate
BRP-707

Ride 60 Thru-Axle Magnet
AS-61A104200A



Rouvida Seatpost Clamp
SPC-SQ-R-2011-A

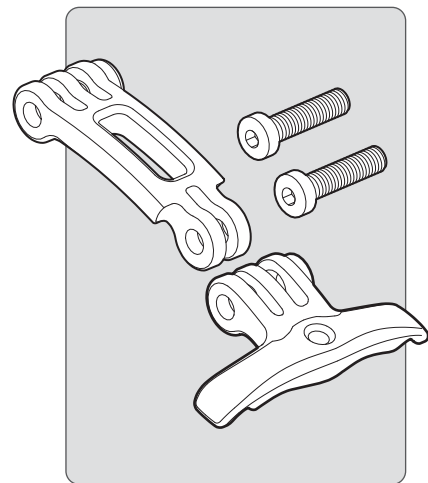
Seatpost Battery Mount
MT-BINT-SP2



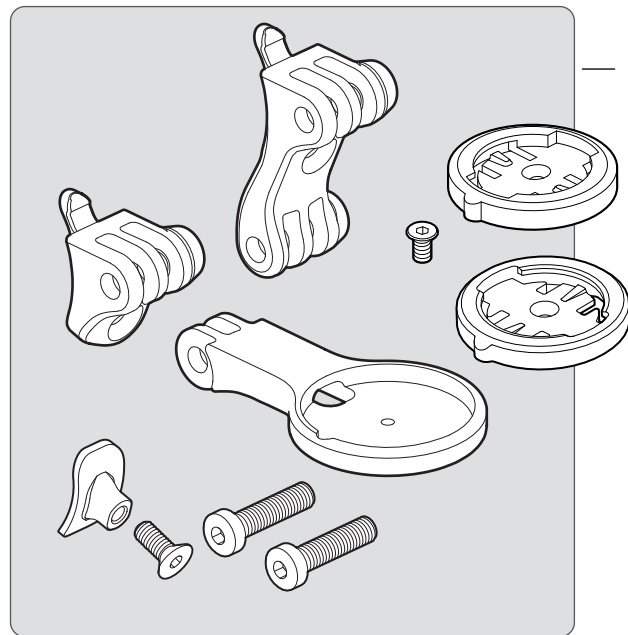
ERA Road Fender Mount Kit
MTA-751

SMALL PARTS

Accessory Mount
Kit (Rear)
MT-LM-R-003



Accessory Mount
Kit (Front)
MT-LM-F-004



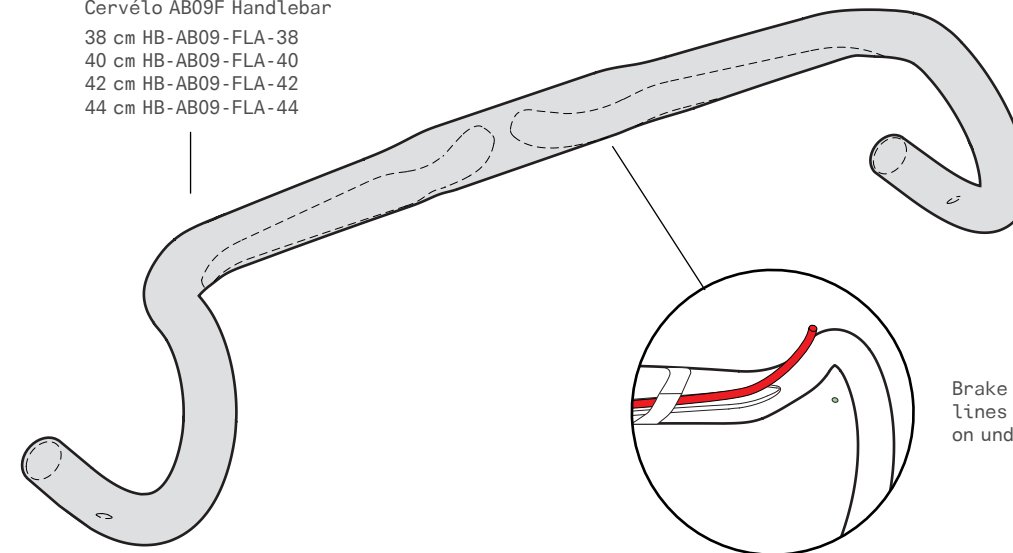
AB09F HANDLEBAR

⚠ WARNING

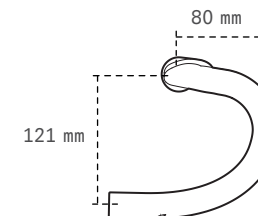
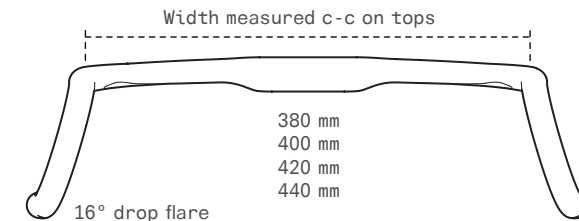
Only use the components specified in this manual for handlebar and stem assembly. Failure to use the specified parts and to follow the supplied assembly instructions may result in a loss of control while riding and serious injury.

Cervélo AB09F Handlebar

38 cm HB-AB09-FLA-38
40 cm HB-AB09-FLA-40
42 cm HB-AB09-FLA-42
44 cm HB-AB09-FLA-44

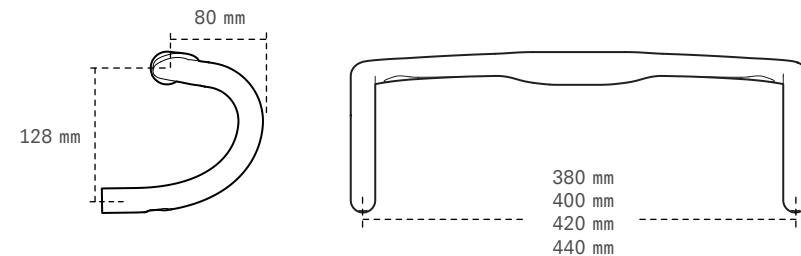


Brake hoses and control lines run in the channels on underside of handlebar.



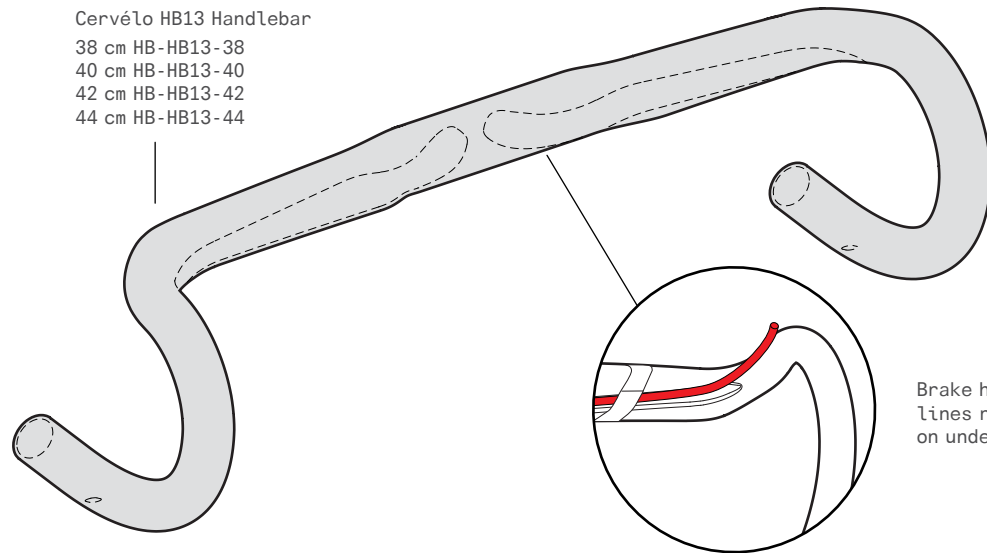
HB13 HANDLEBAR

⚠ WARNING
Use only original Cervélo components & included hardware specified for handlebar, stem, and fork assembly. Failure to use the specified parts and to follow these instructions may result in a loss of control while riding and serious injury.



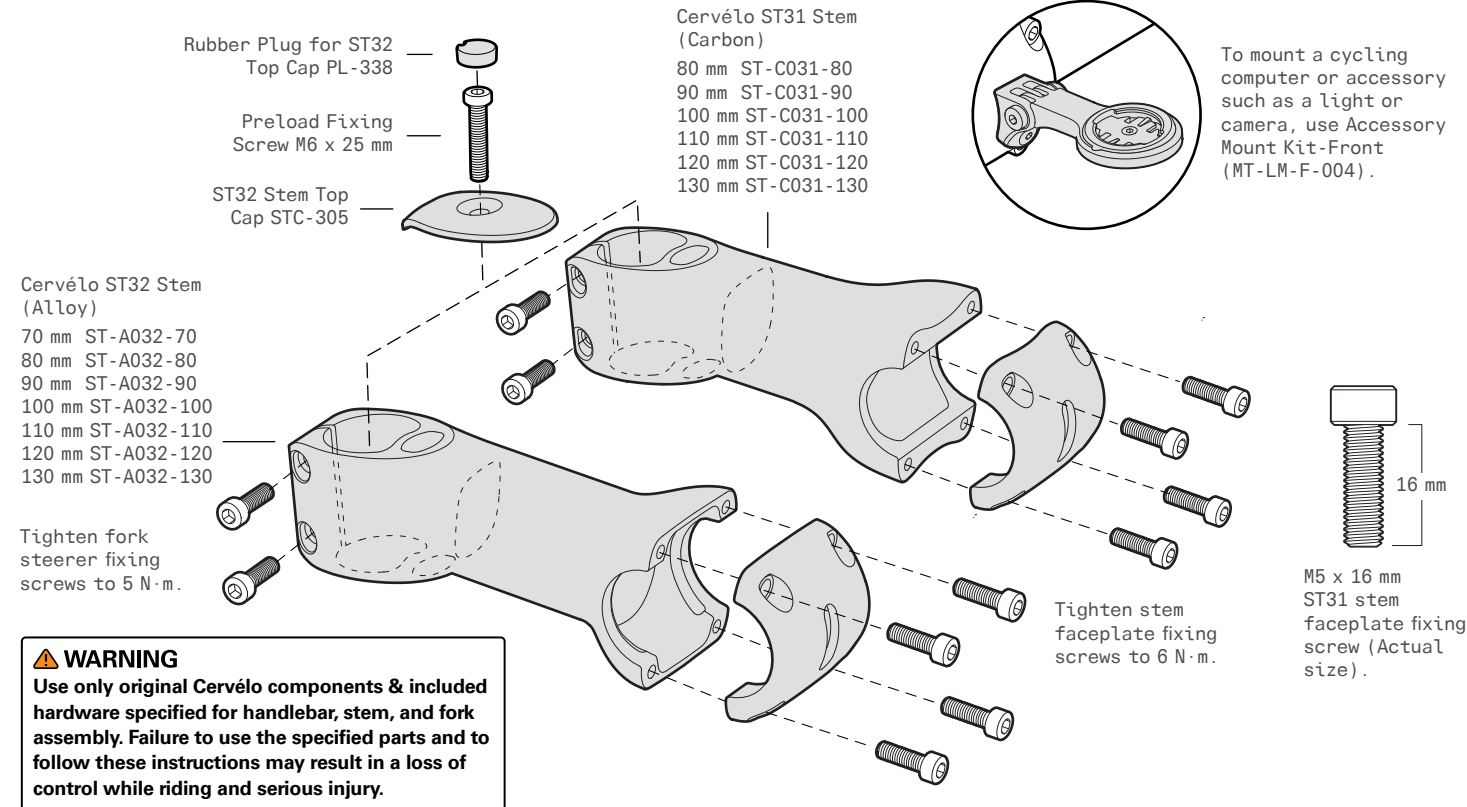
Cervélo HB13 Handlebar

38 cm HB-HB13-38
40 cm HB-HB13-40
42 cm HB-HB13-42
44 cm HB-HB13-44



Brake hoses and control lines run in the channels on underside of handlebar.

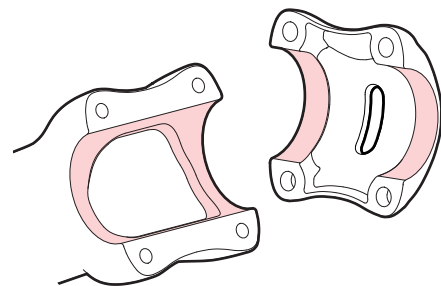
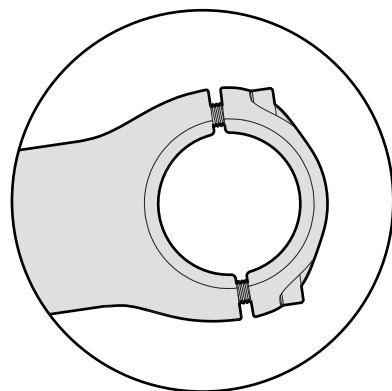
ST31 AND ST32 STEMS



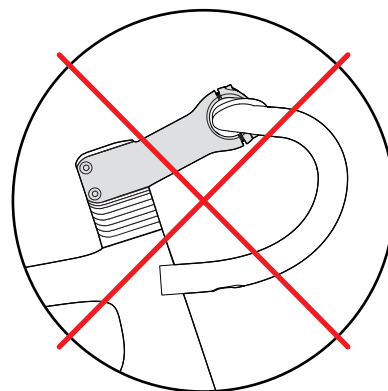
⚠ WARNING
Use only original Cervélo components & included hardware specified for handlebar, stem, and fork assembly. Failure to use the specified parts and to follow these instructions may result in a loss of control while riding and serious injury.

ST31 AND ST32 STEMS

1. Coat the surfaces where the stem body and faceplate contact the handlebar clamping area (as shown right) with carbon assembly paste.
2. Center the handlebar against the stem body and secure it in place by mounting the faceplate and tightening all faceplate fixing screws finger-tight.
3. Tighten the faceplate fixing screws evenly following a star pattern until the upper and lower stem to faceplate gaps are even.
4. Perform final tightening in a star pattern using a torque wrench to 6 N·m maximum.



Ensure upper and lower faceplate gaps are even.



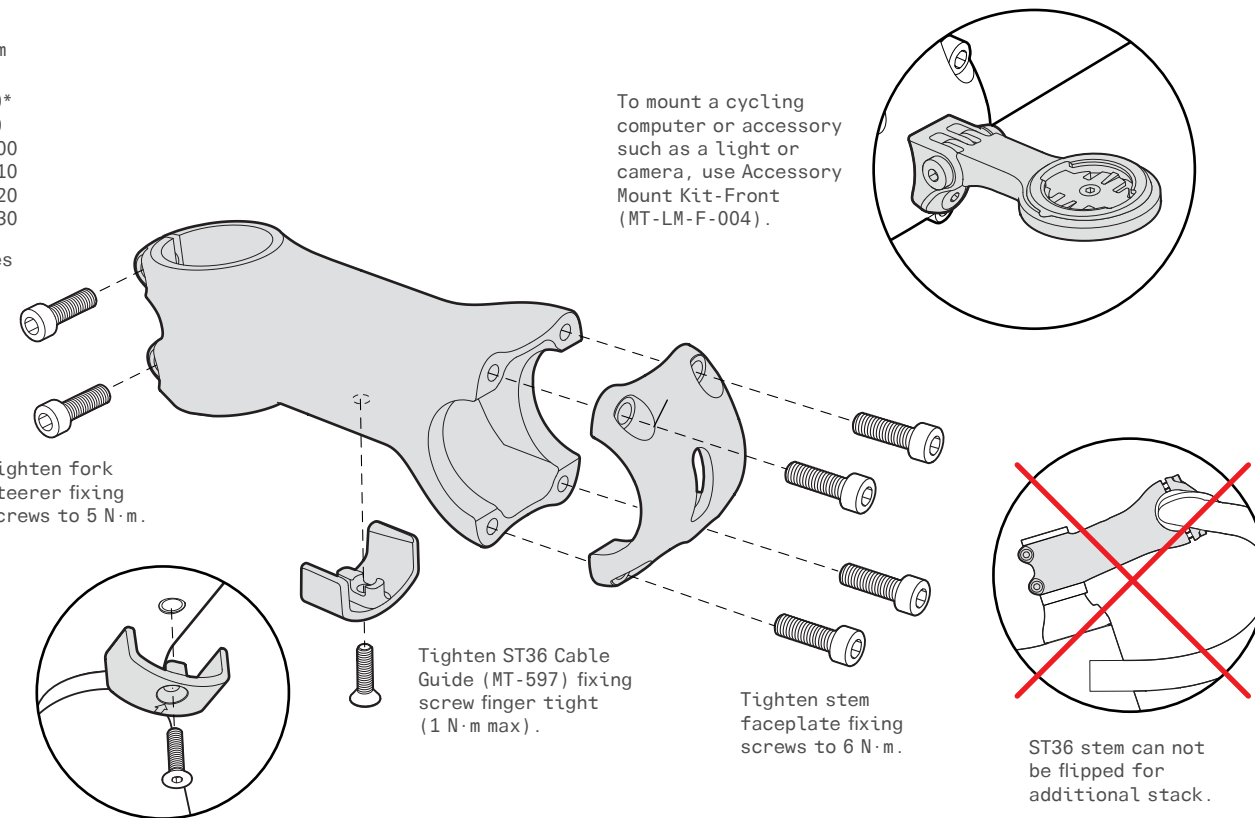
Do not flip ST31 stem for additional stack.

ST36 STEM

Cervélo ST36 Stem (Alloy)

80 mm ST-A027-80*
90 mm ST-A036-90
100 mm ST-A036-100
110 mm ST-A036-110
120 mm ST-A036-120
130 mm ST-A036-130

*80 mm version does not include ST36 Cable Guide.



ASSEMBLY INSTRUCTIONS

This user manual is not intended as a comprehensive user, service, repair, or maintenance guide. Consult your authorized Cervélo Retailer for all service, maintenance, repairs, or questions about your Rouvida bicycle.

⚠ CAUTION

The Rouvida bicycle weighs approximately 29 lbs (13 kg), take care when moving the bicycle to avoid potential injury.

Assembly Steps:

- Carefully open the box and remove the bicycle.
- Carefully remove the packaging material from the frame and components. The packaging material may be kept to re-use for future shipping; otherwise please recycle the applicable materials (especially cardboard and foam), where possible according to local regulations.

Check that all of the following parts not already attached to the bicycle are present:

- Handlebar
- Handlebar tape
- Front wheel
- Front brake rotor
- Tubeless valves

- Saddle and seatpost
- Seatpost clamp
- Charger
- Reflectors
- Pedals
- Bell
- Chain guard
- Fender mounts
- Manuals
- Front thru-axle
- Computer / light mounts

⚠ WARNING

Tampering is defined by Cervélo as changes or modifications carried out to the Rouvida bicycle, and in particular to any elements of the EPAC control unit, drive unit, drivetrain, or other parts of the drive system by using commercially available tools, equipment or parts. This includes substitution of non-original equipment parts such as the front chainring, rear cassette, tire size, and any of the Fazua Ride 60 components. Tampering with, and/or use of tampered EPACs on public roads can lead to technical problems, legal consequences, and/or loss of control resulting in serious injury or death.

⚠ CAUTION

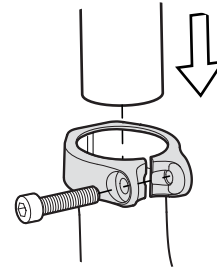
Any attempt to modify, tamper with, or otherwise alter the Ride 60 Drive System is prohibited and will void the Cervelo and Fazua warranties.

Install the seatpost

With **carbon seatposts**, apply carbon paste to the frame and seatpost to be inserted into the frame.

With **alloy seatposts**, apply grease to the frame and seatpost to be inserted into the frame. Insert the seatpost into the frame.

Adjust height and torque the Seatpost Clamp (SPC-SQ-R-2011-A) to 6 N·m maximum.

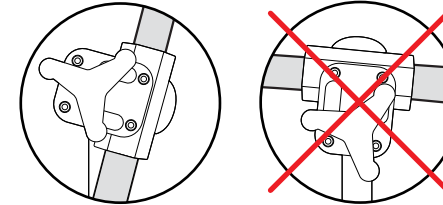


⚠ WARNING

If trimming is required, final length should allow for a minimum insertion of 70 mm of seatpost in the frame, or the minimum insertion dimension indicated on the seatpost, whichever is greater. Failure to meet this requirement may result in damage to the frame not covered by warranty policy, or serious injury to rider.

Place the Rouvida bicycle in a workstand

Secure the bicycle by the seatpost only.

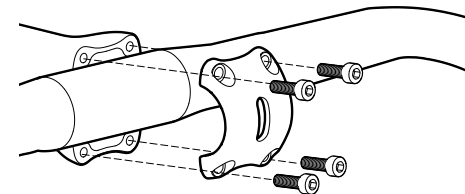


⚠ WARNING

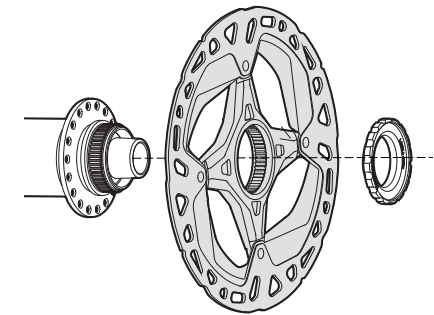
Hold the frame using a secured seatpost only. Clamping the top tube can damage the frame and void your warranty.

Install the handlebar

Remove the stem faceplate and mount the handlebar in the stem. Install the faceplate and tighten the faceplate bolts to 6 N·m using a torque wrench.

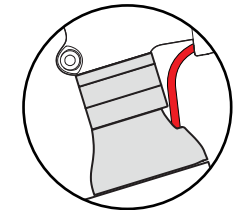


Install brake rotor on front wheel



Determine fit requirements

Determine the fit requirements of the owner and cut the fork steerer if required.

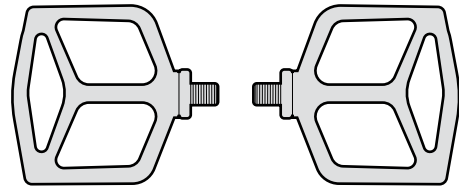


Once complete, continue installation of any other control lines. Finish assembly by connecting front and rear brake lines to shifters.

ASSEMBLY INSTRUCTIONS

Install pedals

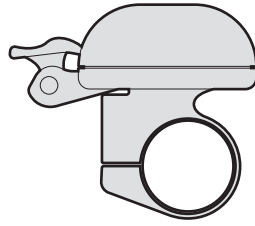
- Apply grease to the threads of both pedals.
- Thread the right-hand pedal (marked 'R') into the drive-side (right) crankarm in a clockwise direction.
- Thread the left-hand pedal (marked 'L') into the non-drive side (left) crankarm in a counter-clockwise direction.
- Tighten both pedals to 30 N·m torque.



INFORMATION: Pedals are always tightened towards the front of the bicycle

Install bell

- Install bell on handlebar next to the stem on the user's preferred side – the bell's band clamp fits 31.8 mm diameter handlebar sections. Tighten to 1 N·m torque.



Install reflectors

- Install the front reflector (circular white) on the handlebar as close to the centerline of the bicycle as possible using the included bracket. The reflector should be unobstructed when viewing from the front of the bicycle. Tighten to 1 N·m torque.
- Install the rear reflector (circular red) on the saddle rails on the centerline of the bicycle using the included bracket. The reflector should be unobstructed when viewing from the rear of the bicycle. Tighten to 1 N·m torque.
- Install the wheel reflectors (rectangular white) on the front & rear wheels using the included brackets to attach them to the spokes. The middle of the wheel reflectors should be mounted within 3 inches (76 mm) of the wheel rim. Tighten to 1 N·m torque.

Install lights*

- The Rouvida bicycle should be equipped with front and rear lights in accordance with local regulations in order to be compliant for use on public roads. Responsibility for lighting falls to the owner of the bicycle and the local authorized Cervélo Retailer.

INFORMATION: Refer to Section 3 – Fit of the Cervélo Bicycle User Manual for instructions on making the adjustments listed below.



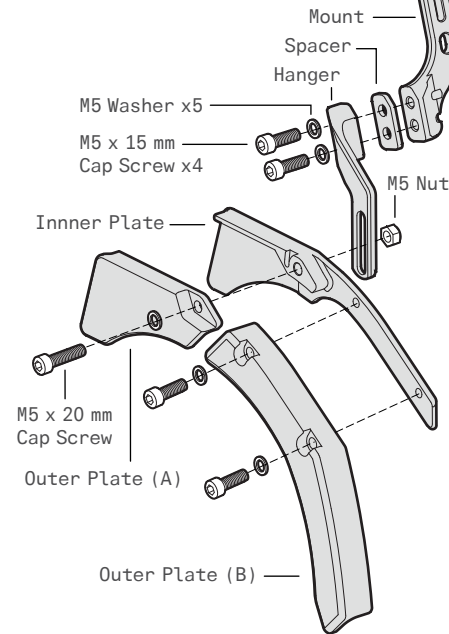
Adjust fit

Configure the individual setting of the fit-related components.

- Adjust the saddle height.
- Adjust the position and angle of the saddle.
- Adjust position of the handlebars.
- Adjust the position of the brake/shift levers.
- Wrap both sides of the handlebar using the included tape, and cap the drop ends of the handlebar using the included plugs.

WARNING

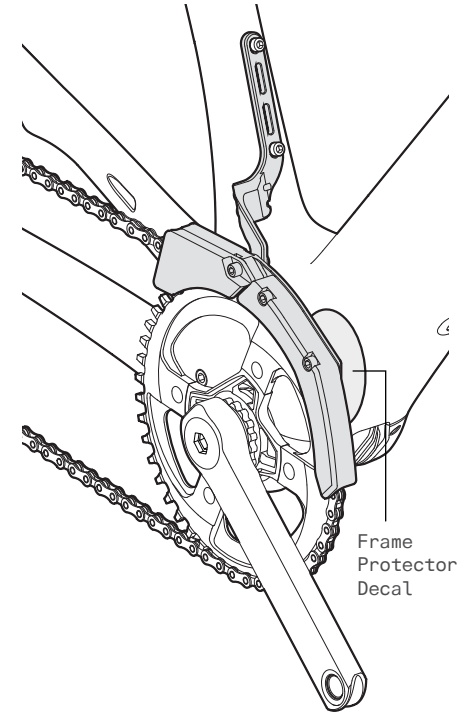
The EPAC is not safe for use on public roads unless equipped with front and rear lights, front, rear, wheel (side) and pedal reflectors, warning device (bell), and chain guard which are compliant with local regulations.



Install chain guard

1. Install the Mount to the seat tube water bottle bosses. Apply grease to the threads and tighten the screws to 3 N·m.
2. Attach the Hanger to the bracket using two M5 x 15 mm cap screws and washers with the Spacer sandwiched in between the two pieces. Tighten the cap screws to 3 N·m.
3. Assemble the Inner Plate and Outer Plate (A) around the bicycle chain and attach to the hanger using the M5 x 20 mm cap screw and washer, and M5 nut. Tighten until snug. Final tightening will be done once the chain guard has been fully assembled.
4. Attach the Outer Plate (B) to the Inner Plate using the two remaining M5 x 15 mm cap screws and washers. Tighten to 2 N·m torque.
5. Loosen the connecting M5 x 20 mm cap screw and adjust the position of the assembled guard to sit above the chain without contacting it at any point.
6. Check that the guard remains clear of the chain by shifting into the lowest gear (largest rear sprocket) and highest gear (lowest rear sprocket). Adjust position as necessary to prevent chain rub.

7. Once the correct position is located, tighten the M5 x 20 mm cap screw to 2 N·m torque.



D-SHAPED STEERER FORK PREPARATION AND INSTALLATION

1. Apply grease to the bearing pockets and install the upper and lower headset bearings into the frame.
2. Fit the fork provided with your frame into the head tube with the complete headset, required spacers, and the stem.
3. Apply the minimum pressure needed to ensure the assembly is fully seated. Mark the steerer tube at the top of the stem.
4. Remove fork and clearly mark the fork steerer tube at a point 4 mm below the first mark. Take care to verify that this measurement is correct as this defines the cut line for the steerer tube.
5. To trim fork steerer, use only a saw suitable for cutting carbon, and a cutting guide.
6. Insert D-Shaped Compression Plug and tighten to hold in place. Do not apply final torque until after the stem is installed.
7. Place Lower Bearing over the fork steerer and insert into the frame from the bottom of the head tube.
8. Install over the steerer in order: Upper Bearing, Split Ring, Bearing Top Cap, Spacers, and Stem. Do not install the Stem Top Cap.
9. Tighten the Compression Plug to 8 N·m using a torque wrench.

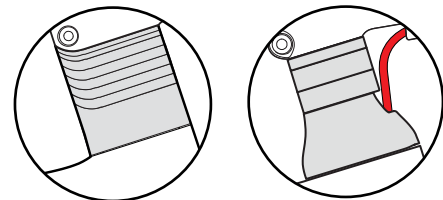
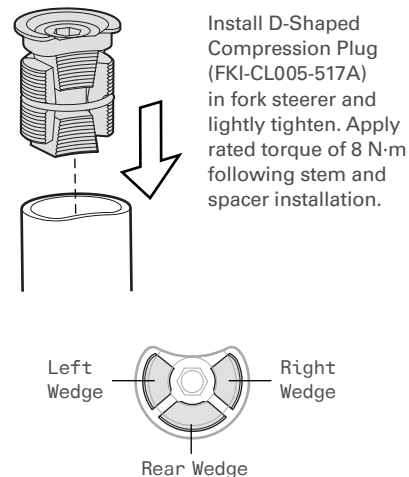
10. Install the Stem Top Cap and Preload Fixing Screw into the stem. Tighten the Preload screw only enough to remove all play from the headset, and ensure the bearings rotate freely (typically 1 to 2 N·m).

11. Tighten the stem to fork fixing screws to 5 N·m maximum.

⚠ WARNING
Avoid breathing the dust created during cutting carbon composite materials.

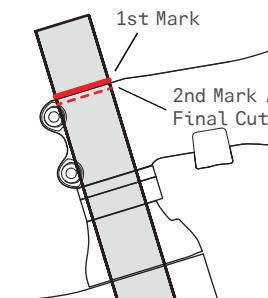
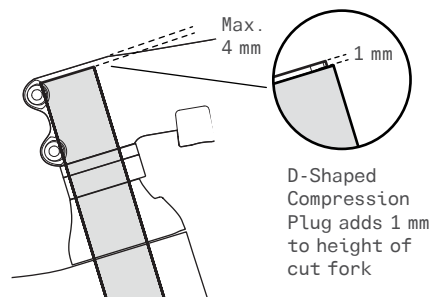
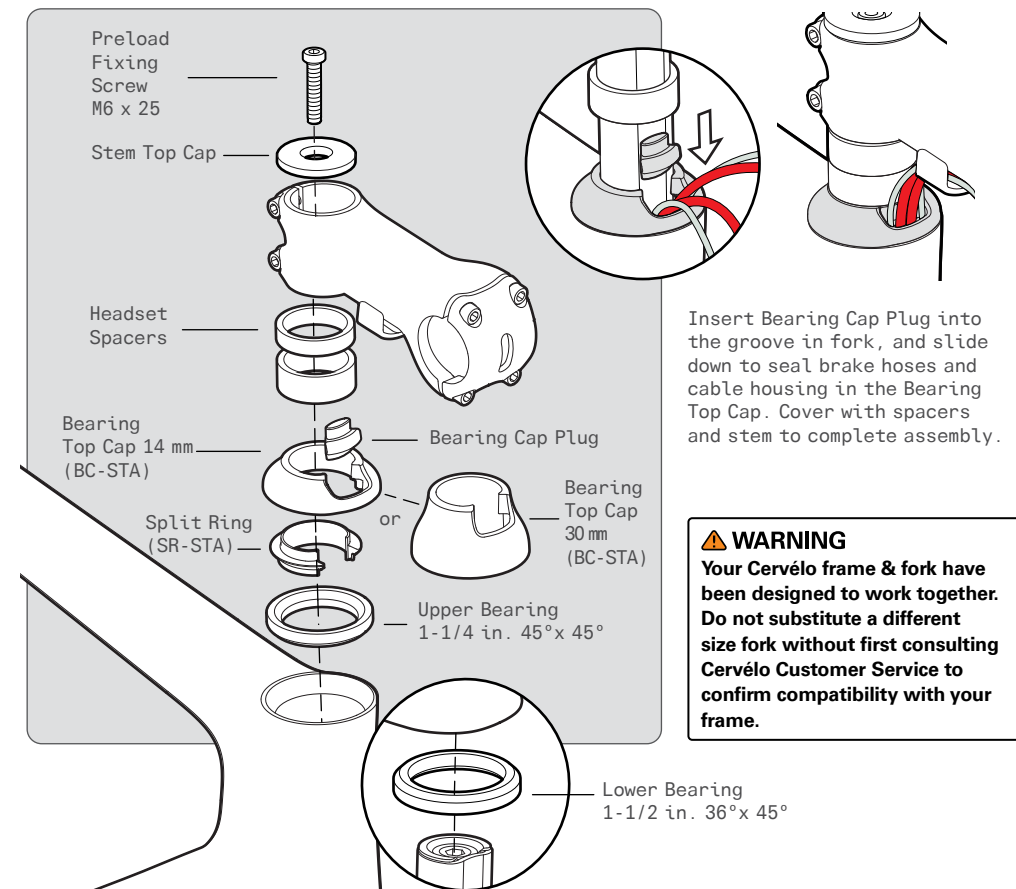
⚠ WARNING
Improper cutting of the steerer tube could cause a failure that may result in severe injury or death.

⚠ WARNING
Do not exceed 52 mm maximum total spacer height, including the Bearing Top Cap.



⚠ CAUTION
The component parts of the compression plug are side-specific. Re-assembling parts incorrectly may result in loss of preload in the system. Refer to the images shown for correct assembly.

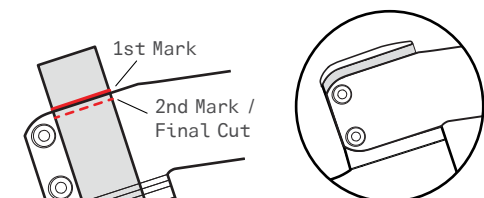
⚠ CAUTION
Do not exceed 5 mm total spacers above the stem.



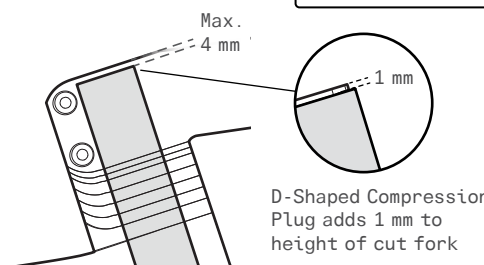
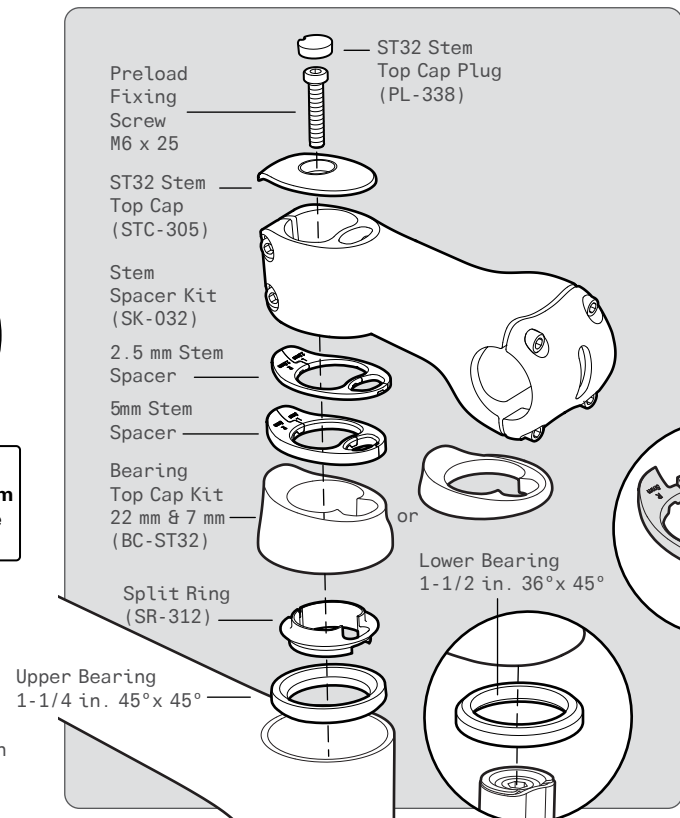
⚠ WARNING
Your Cervélo frame & fork have been designed to work together. Do not substitute a different size fork without first consulting Cervélo Customer Service to confirm compatibility with your frame.

D-SHAPED STEERER FORK PREPARATION AND INSTALLATION

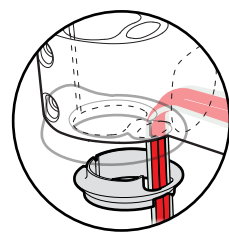
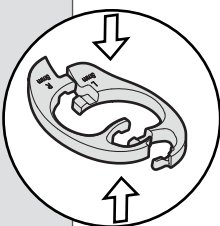
⚠ WARNING
Your Cervélo frame & fork have been designed to work together. Do not substitute a different size fork without first consulting Cervélo Customer Service to confirm compatibility with your frame.



⚠ CAUTION
Do not exceed 5 mm total spacers above the stem.



With ST31/ST32 stems route all control and brake lines through Split Ring, Bearing Top Cap and out stem.



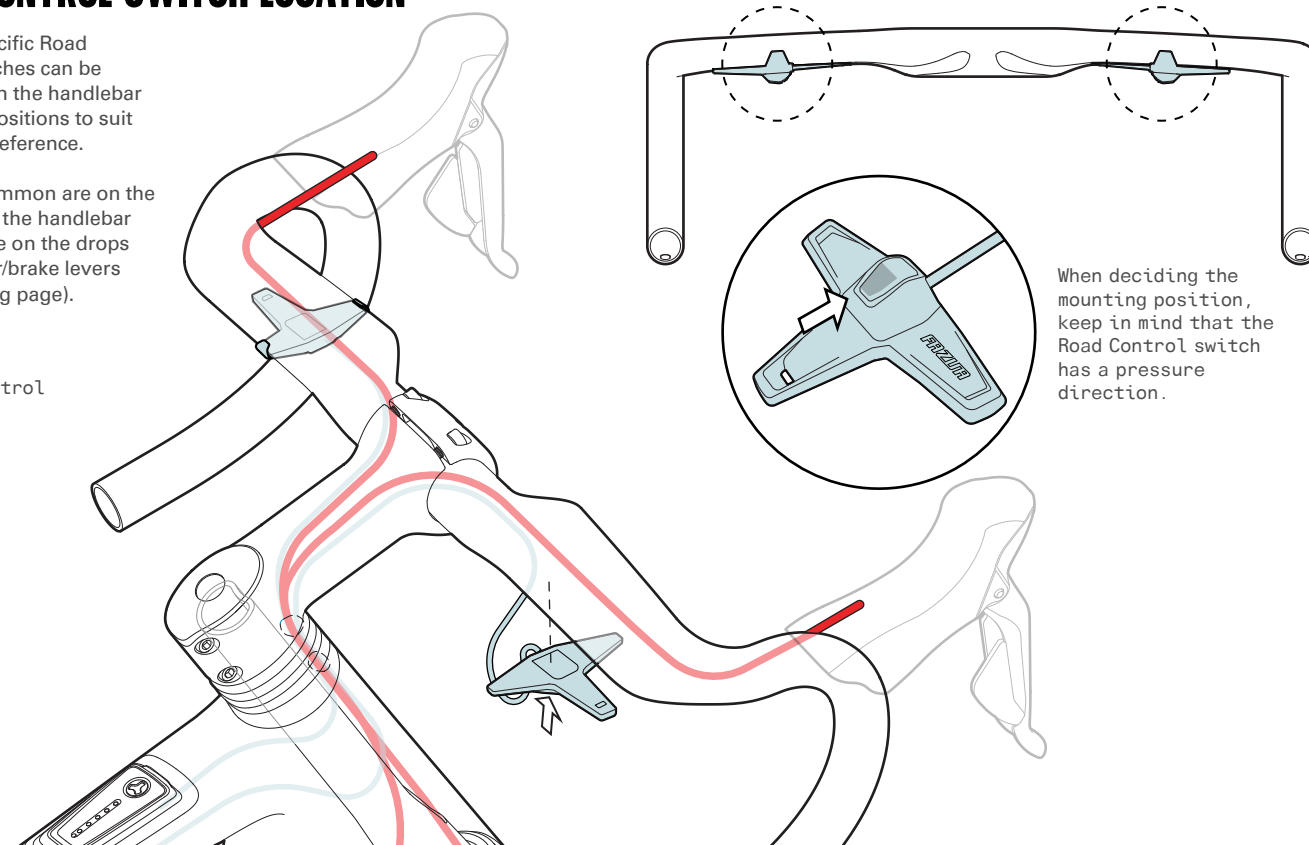
Two-piece Stem Spacers allow for installation or removal without re-cabling.

ROAD CONTROL SWITCH LOCATION

The side specific Road Control switches can be positioned on the handlebar tops or inside on the drops by the shifter/brake levers in multiple positions to suit the rider's preference.

The most common are on the underside of the handlebar tops or inside on the drops by the shifter/brake levers (see following page).

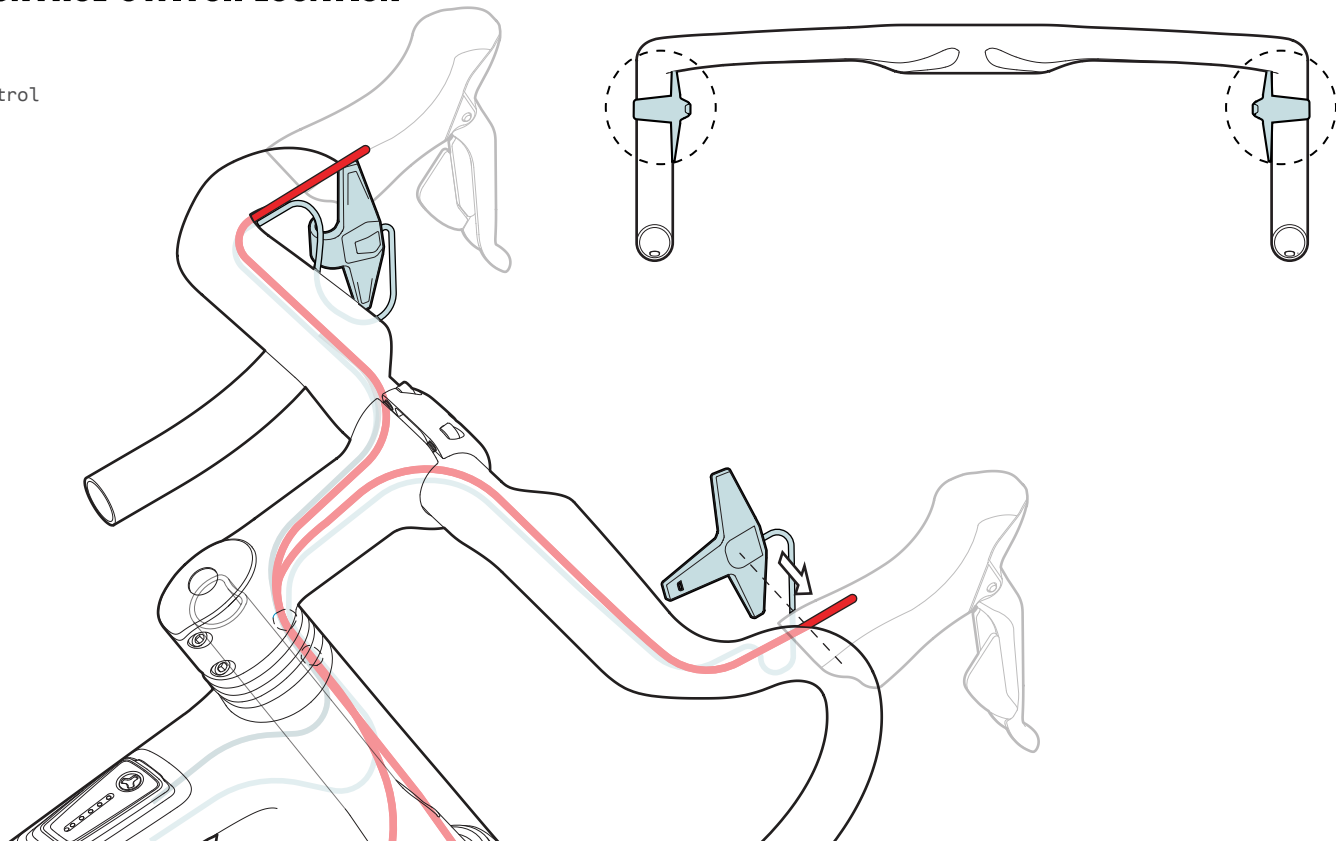
- Brake
- Road Control



When deciding the mounting position, keep in mind that the Road Control switch has a pressure direction.

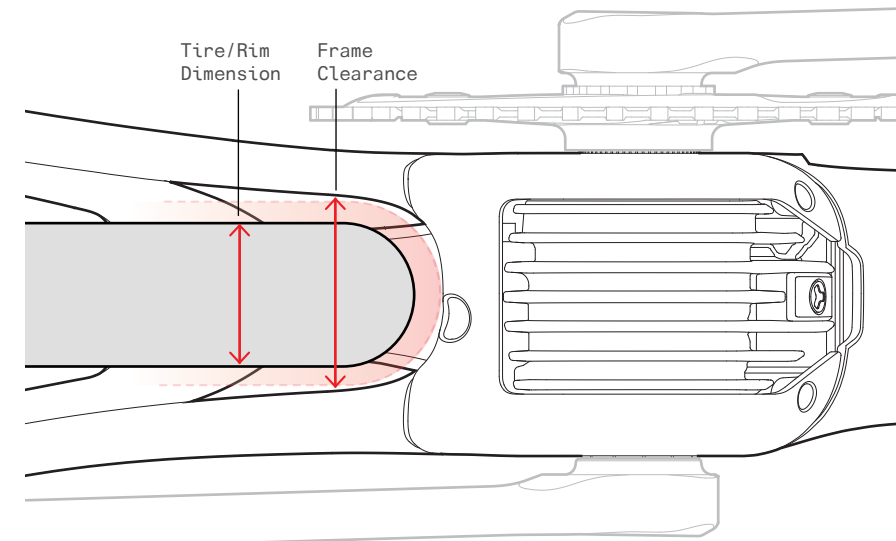
ROAD CONTROL SWITCH LOCATION

- Brake
- Road Control



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 7.5 mm of clearance (Gravel Configuration) and 4 mm of clearance (Road Configuration) 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. Gravel Configuration: Using the smallest of those two numbers, subtract 15 mm (7.5 mm per side) to determine the remaining space.
4. Road Configuration: Using the smallest of those two numbers, subtract 8 mm (4 mm per side) to determine the remaining space.
5. With the tire installed and fully inflated on your wheel, measure the widest of the rim or tire width to ensure that it fits.

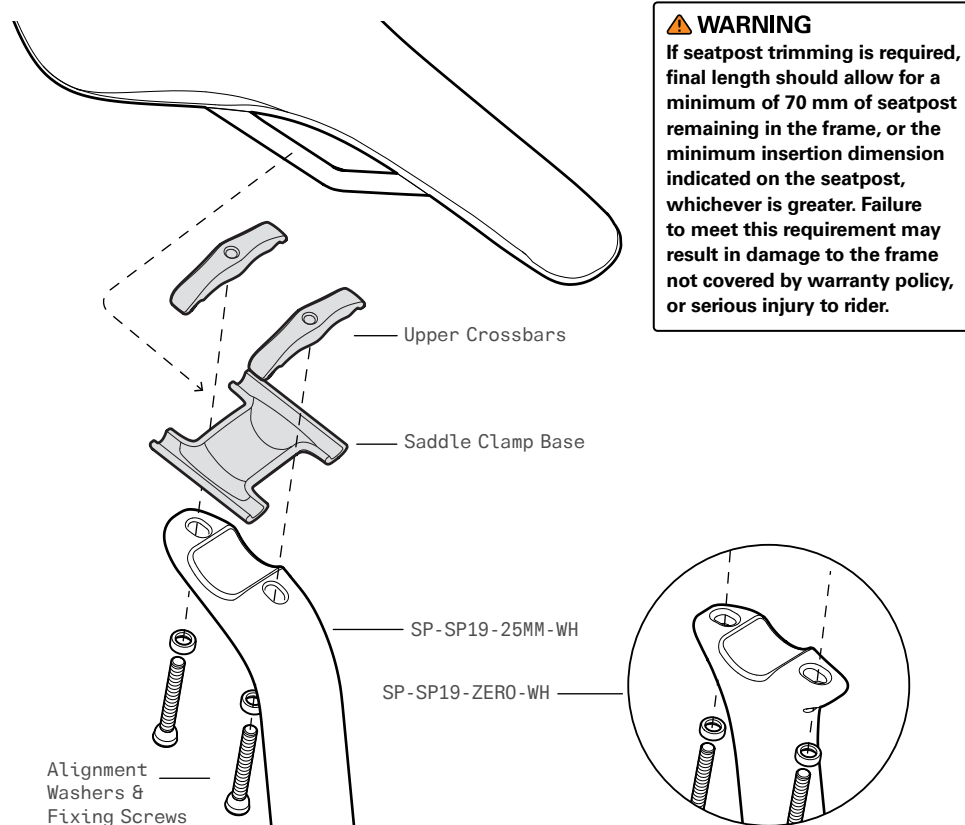
⚠ WARNING

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

SEATPOST ASSEMBLY

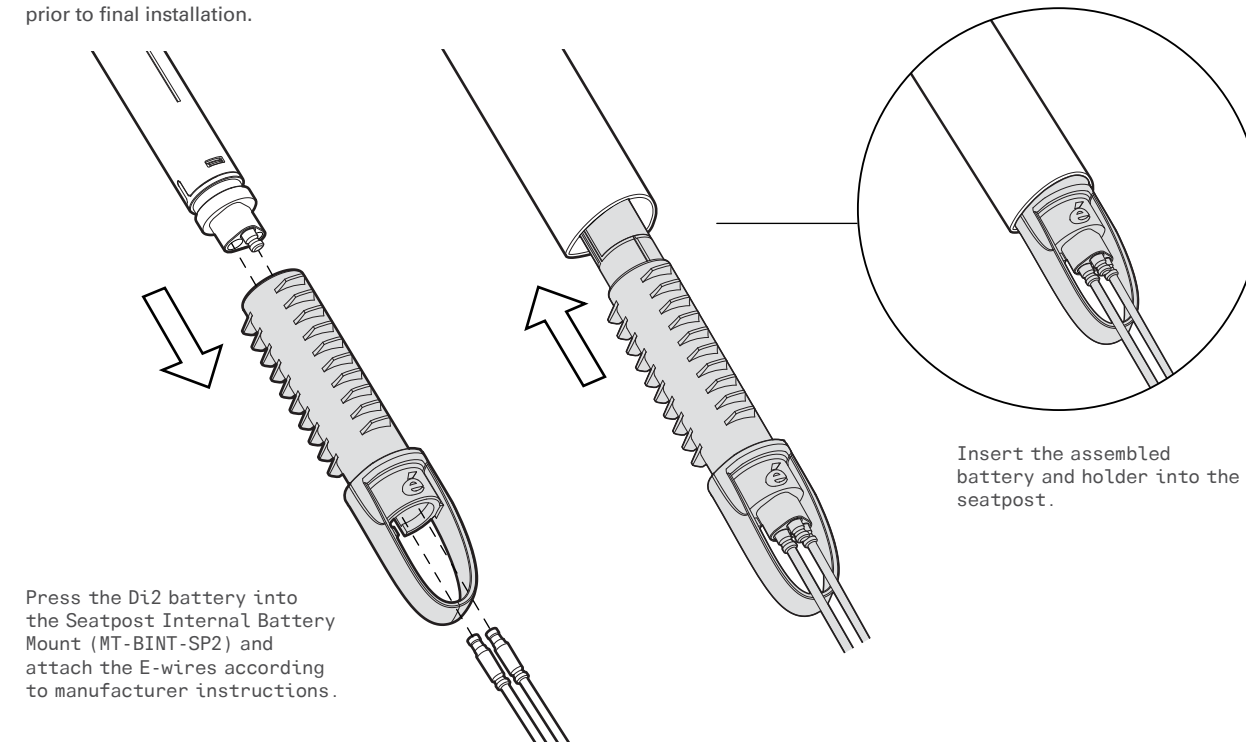
1. Apply a light coat of carbon assembly compound to the upper face of the Seatpost, making sure to cover area around the adjustment slots.
2. Locate the saddle rails between Crossbars and Saddle Clamp Base and place on Seatpost.
3. Ensure Loctite 243 is applied to the threads on the ends of the 35mm Spherical Cap screws.
4. Lightly grease the heads of the Spherical Cap Screws. Slide the alignment washers onto the Spherical Cap Screws, then install them into the Seatpost from underneath (as shown). Tighten by alternating 1/2 turn on each side, until you reach a maximum of 8N·m.

NOTE: For non-Cervélo seatposts, please refer to the seatpost manufacturer's instructions provided with the Rouvida for assembly and adjustment.



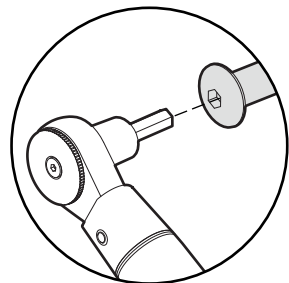
DI2 BATTERY INSTALLATION

The battery for your Shimano Di2 system mounts inside the seat tube using the Seatpost Internal Battery Mount (MT-BINT-SP2). As this is an enclosed location, it is important to test the system prior to final installation.



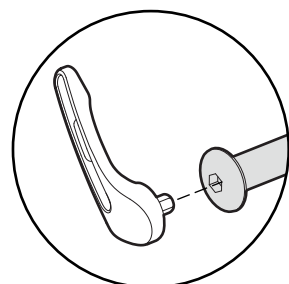
Press the Di2 battery into the Seatpost Internal Battery Mount (MT-BINT-SP2) and attach the E-wires according to manufacturer instructions.

AERO THRU-AXLE INSTALLATION

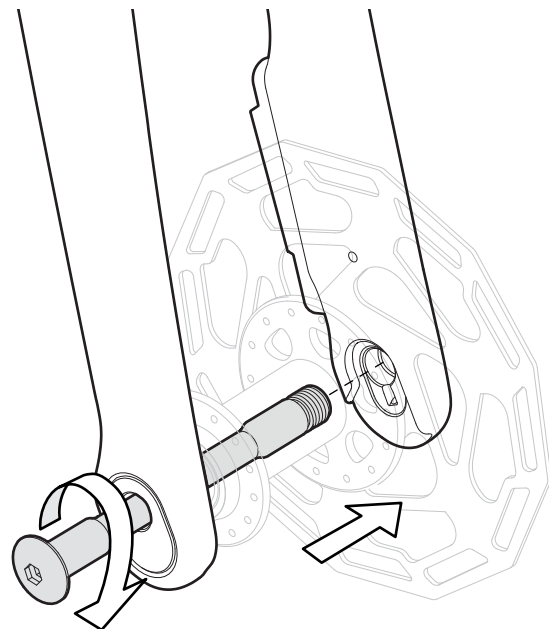


6 mm Allen key /
torque wrench

or



Removable Handle
For Cervélo Aero
Thru-Axle
(QRA-AER02-HNDL)



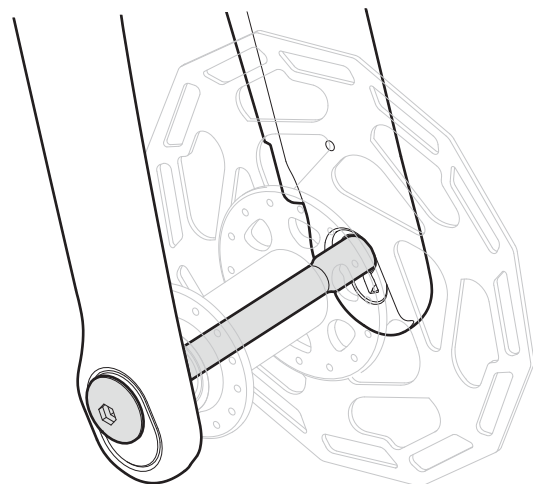
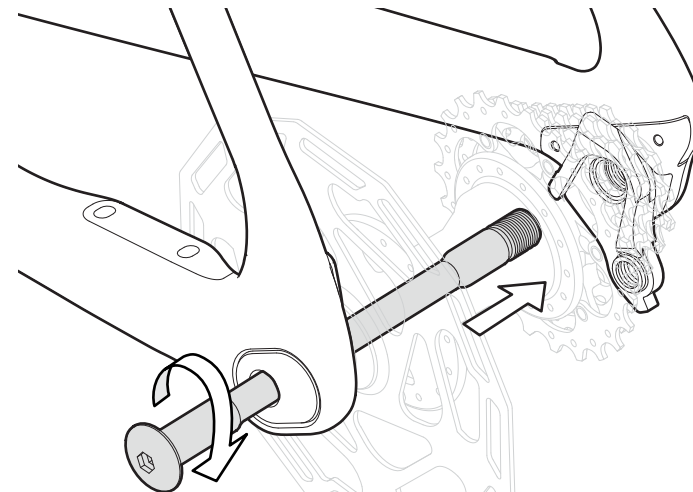
Cervélo Front
Aero Thru-Axle w/
Removable Handle
QRA-AER02-F

Tighten 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.

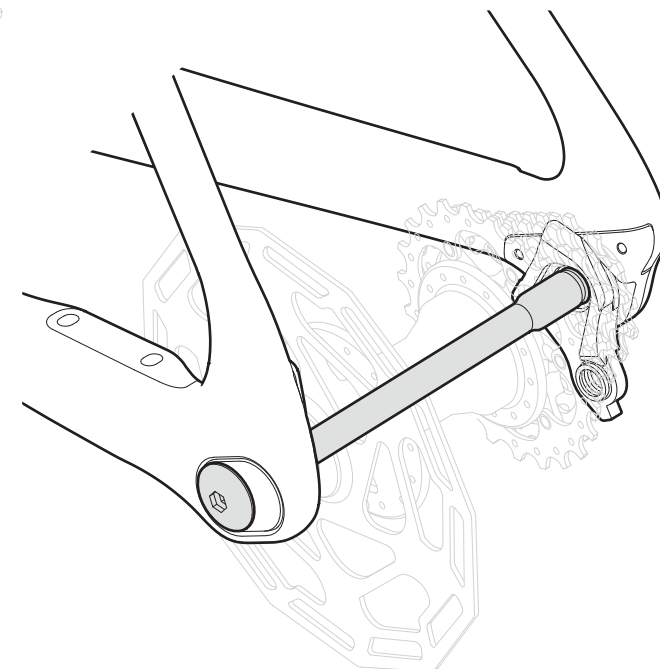
⚠ WARNING

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 or death to the rider.



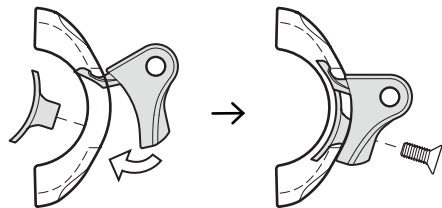
Cervélo UDH Rear
Aero Thru-Axle w/
Removable Handle
(QRA-698)

Tighten to 12-15 N·m.

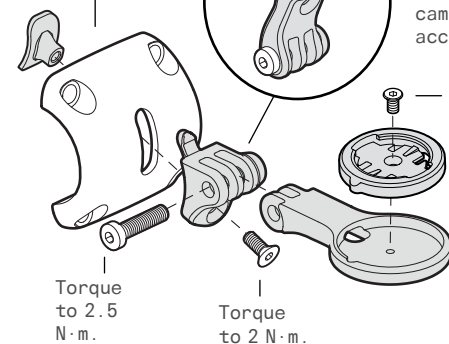


ACCESSORIES INSTALLATION

To install Accessory Mount-Front (MT-LM-F-004), angle mount into ST32 stem faceplate and torque to 2 N·m.



Accessory Mount Kit-Front MT-LM-F-004

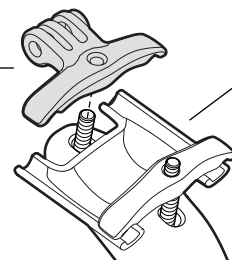


Dual faceplate mount allows use of computers, cameras and other accessories.

Accessory Mount-Front includes inserts for Garmin & Wahoo computers.

To install Accessory Mount-Rear (MT-LM-R-003), replace the rear upper clamp of the seatpost with the kit version. Tighten to maximum 8 N·m.

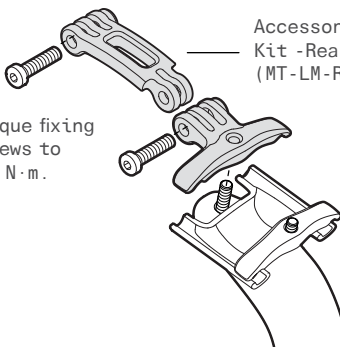
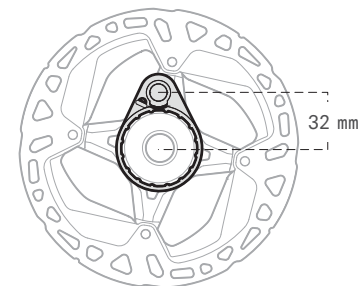
Accessory Mount Kit-Rear Upper Clamp



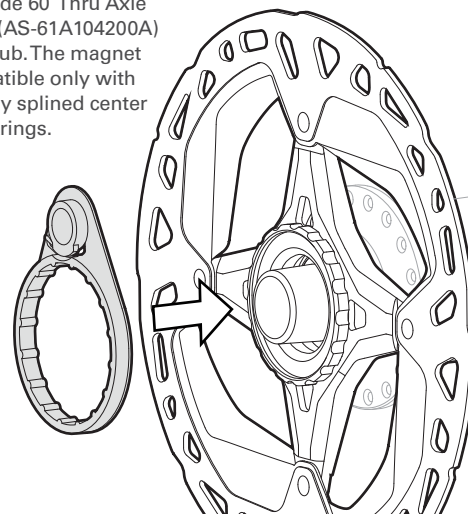
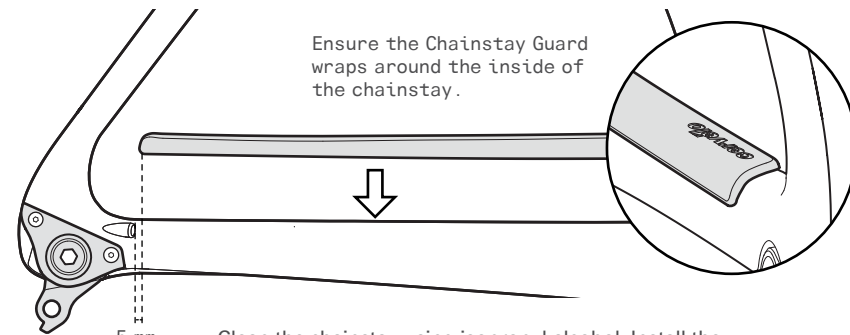
For use without accessory, clip may be hidden, by reversing the upper clamp.

Accessory Mount Kit-Rear (MT-LM-R-003)

Torque fixing screws to 2.5 N·m.

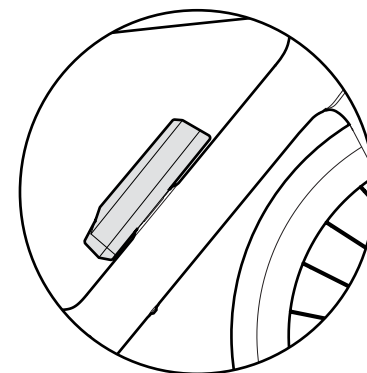


Install Ride 60 Thru Axle Magnet (AS-61A104200A) to rear hub. The magnet is compatible only with externally splined center lock lockrings.



Clean the chainstay using isopropyl alcohol. Install the Chainstay Guard (PRO-CS-ASP) by removing adhesive backing, and fixing the guard to the frame. The bottom rearward edge should be approximately 5 mm forward from the rear derailleur exit hole.

Fazua will offer a Battery Range Extender that installs to the down tube water bottle bosses and connects directly to the Drive Unit. Please contact Fazua or an authorized Fazua retailer directly to purchase the Range Extender when available.



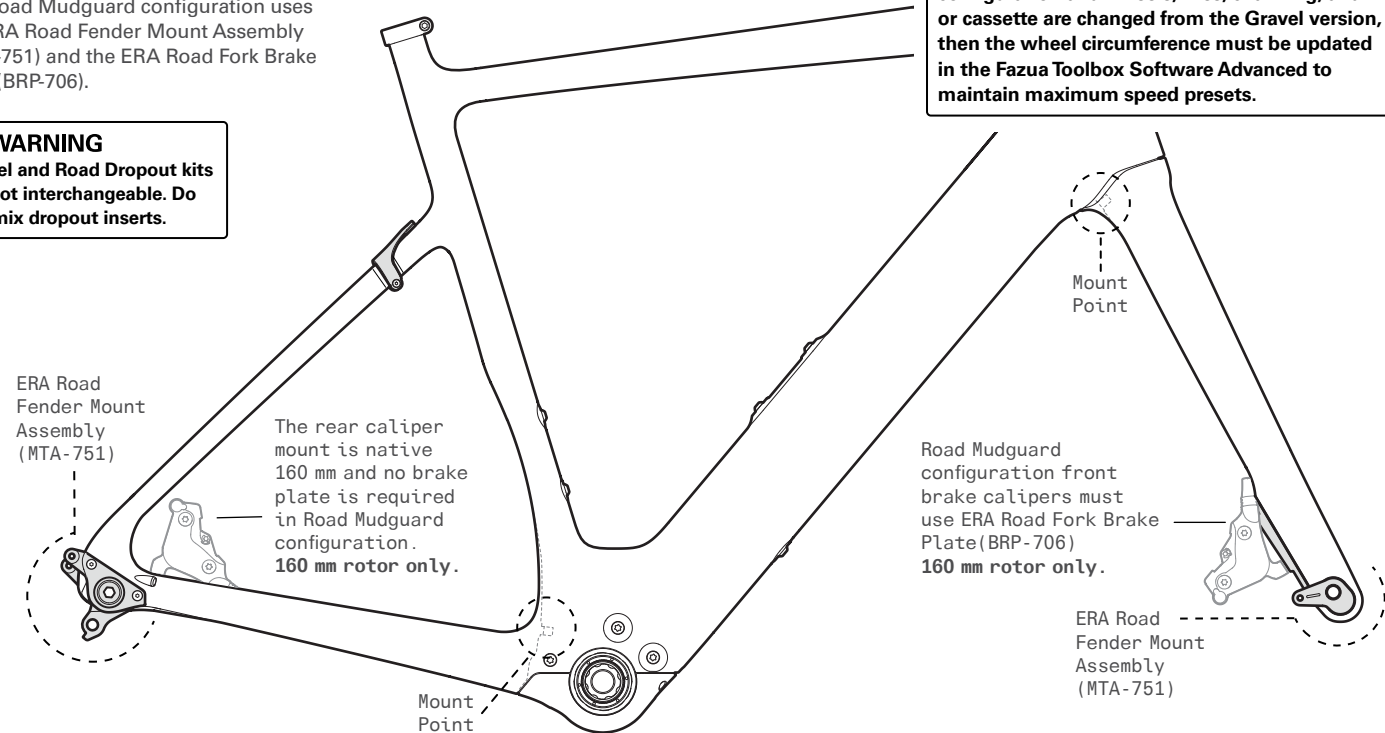
MUDGUARD INSTALLATION (ROAD CONFIGURATION ONLY)

The Rouvira can be setup with mudguards only in **Road Configuration**.

The Road Mudguard configuration uses the ERA Road Fender Mount Assembly (MTA-751) and the ERA Road Fork Brake Plate (BRP-706).

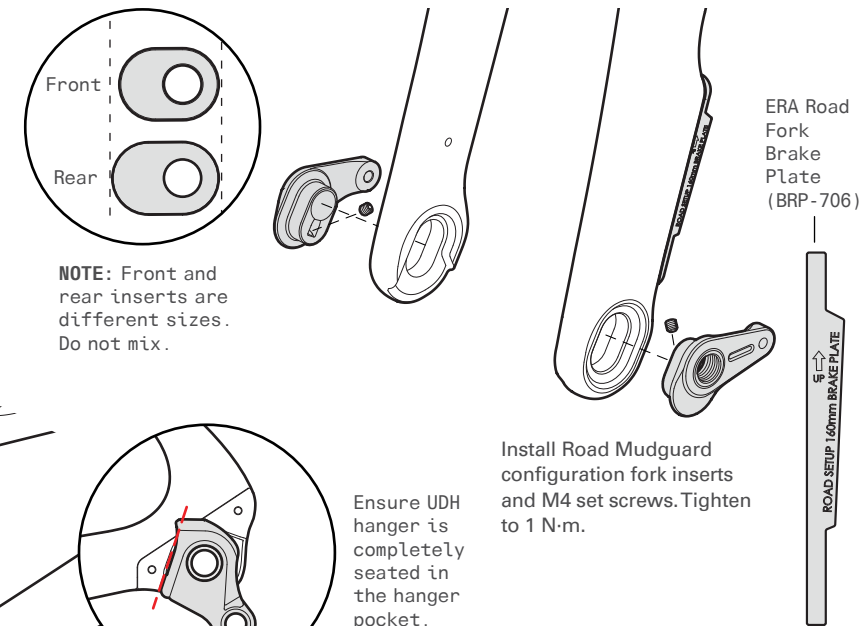
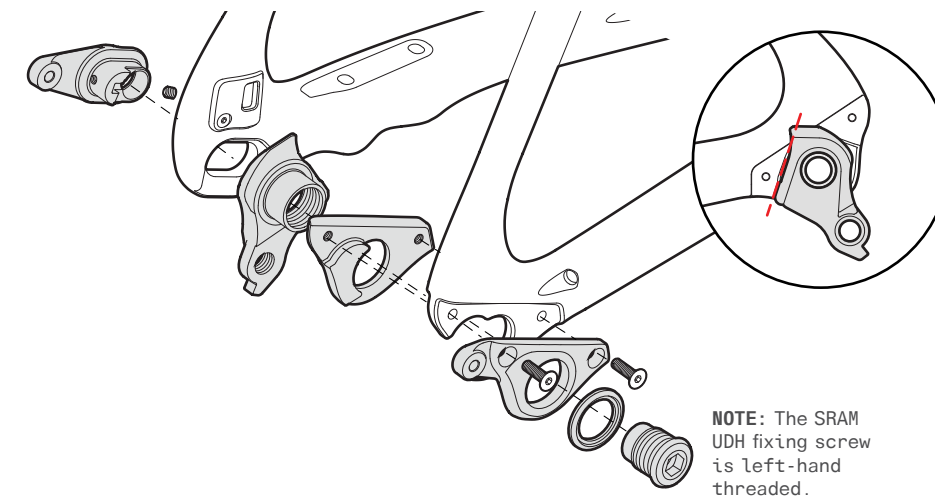
⚠ WARNING
Gravel and Road Dropout kits are not interchangeable. Do not mix dropout inserts.

⚠ CAUTION
When converting from Gravel to Road Mudguard configuration and wheels, tires, chainring, and/or cassette are changed from the Gravel version, then the wheel circumference must be updated in the Fazua Toolbox Software Advanced to maintain maximum speed presets.



1. Install Road Mudguard configuration non-drive side chainstay insert and M4 set screw. Tighten to 1 N·m.
2. Install left and right drive side Road Mudguard configuration Dropout Plates. Install the two M4 fixing screws and lightly tighten.
3. Install the SRAM UDH fixing screw through the washer and into the SRAM UDH hanger threads. **Do not apply grease to the SRAM UDH hanger or fixing screw.** Tighten to 25 N·m.
4. Final tighten Dropout Plate fixing screws to 2 N·m.

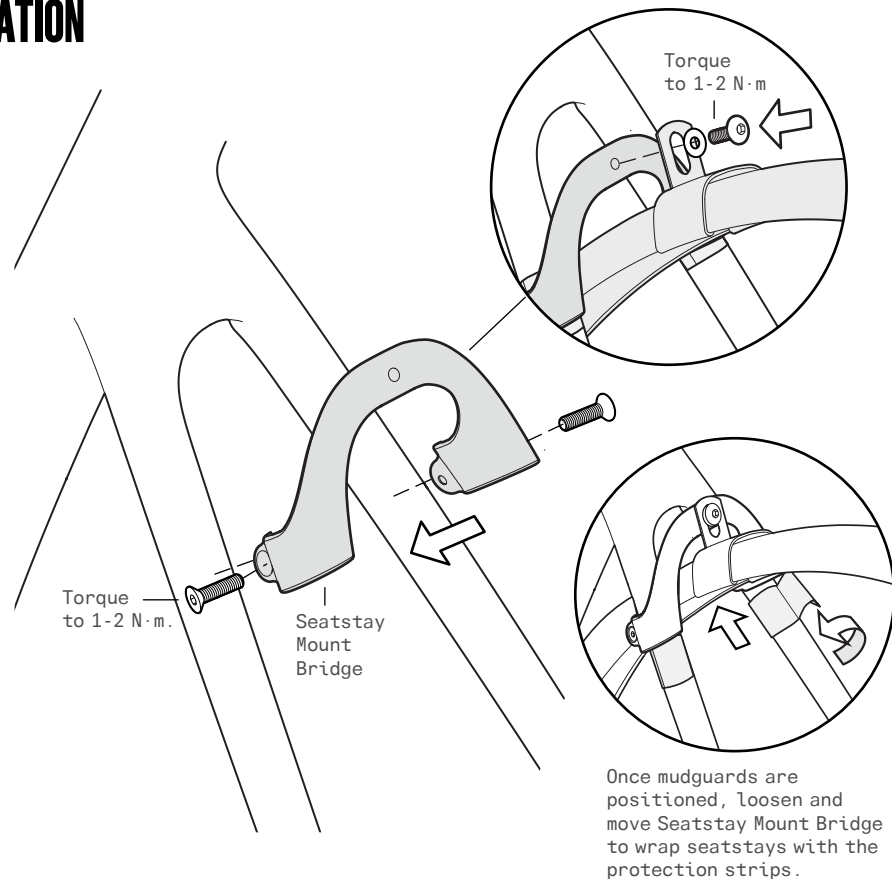
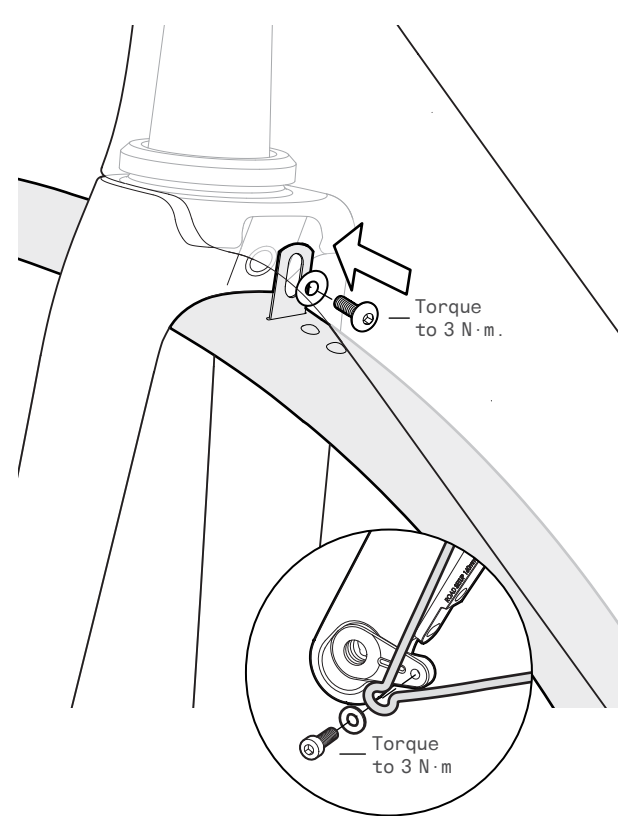
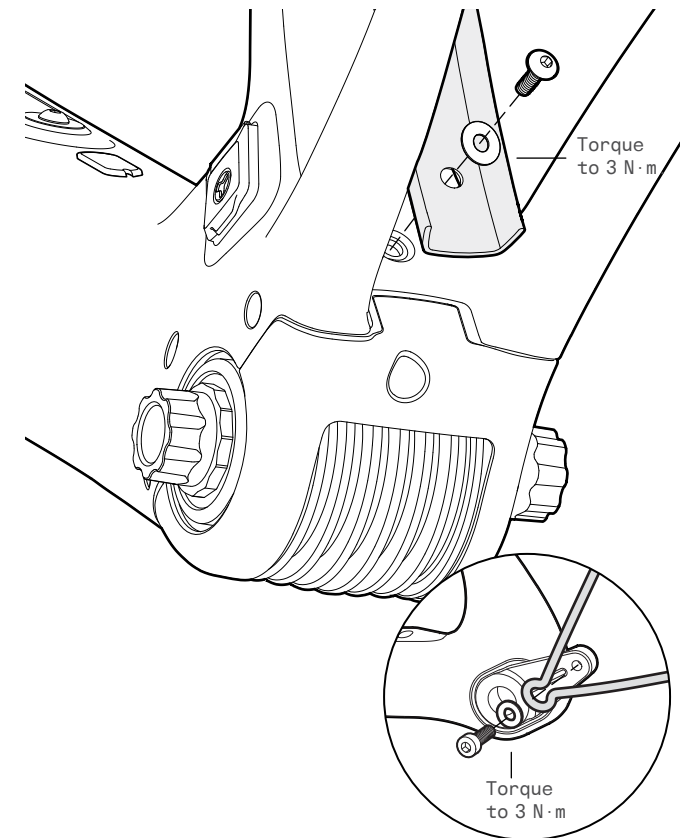
NOTE: If not already present, apply Loctite 243 or equivalent to all Road-Mudguard configuration insert fixing screws.



⚠ WARNING
Cervélo ERA Road Fork Brake Plate (BRP-706) must be installed with front brake caliper in Road Mudguard configuration.

ACCESSORIES - MUDGUARD INSTALLATION

1. Remove the existing Fork Chips, Rear Dropout Assembly and SRAM UDH.
2. Install ERA Road Fender Mount Assembly Kit MTA-751 and re-install SRAM UDH.
3. Install Seatstay Mount Bridge leaving the fixing bolts loose enough that the assembly can slide.
4. Attach mudguards to the Seatstay Mount Bridge, and to the fork as per manufacturer's instructions.
5. Reinstall front wheel. Complete installation by attaching mudguard stays to Mudguard Mounts, using lightly greased M5 fixing screws. Torque to 3 N·m.
6. Torque Fork fixing screw to 3 N·m.
7. Reinstall rear wheel and attach mudguard stays as per front wheel procedure.
8. Once mudguards are adjusted as per manufacturer's instructions, install frame protection strips beneath Seatstay Mount Bridge, and torque fixing bolts to 1-2 N·m



OPERATING INSTRUCTIONS

NOTICE: The Fazua Ride 60 Drive system can provide pedaling assistance for over 60 miles / 100 kilometers in total battery range. Actual range is dependent on a number of factors - refer to **Battery Life / Range**.

NOTICE: The Fazua Energy 430 battery is designed to provide many years of use and thousands of miles of pedalling assistance. Proper care of the battery is required to achieve maximum performance. Always follow the directions for battery charging, storage, use, and maintenanceas outlined in this manual, and in the Fazua Ride 60 – User Manual



Battery Life / Range

How long or how far you can ride your Rouvida EPAC before the battery needs to be recharged depends on several factors:

- The assistance level (low assistance “Breeze” provides maximum range).
- Your riding speed (higher speeds use more battery energy).
- Gear selection (shifting to maintain optimal cadence (55 to 125 rpm) increases range).
- Tire selection and tire pressure (low pressure

causes the bike to roll less efficiently).

- Tire Pressure Recommendations:
 - Vittoria Corsa N.EXT 30c:TLR (Tubeless): 87psi / 6.0 BAR | Hookless 72psi / 5.0 BAR
 - WTB Vulpine TCS Light 40c (black sidewall):25-50psi / 1.7-3.4 BAR / 170-340kPa
- Your route and weather conditions.
- The total weight of the rider + Rouvida (higher weight uses more battery energy).
- The condition and age of the battery.

Charging the Battery

- The Rouvida’s battery is non-removable, and must be charged through the charging port located above the left side crank arm.

⚠ WARNING - FIRE HAZARD
Use only Fazua charger 3A, which is labeled as STC-8207LD on the underside of the charger, to charge the Rouvida battery. Use of alternate chargers may damage the charger or the battery, which poses an increased risk of fire or explosion.

Operating Temperatures

The Rouvida’s operating temperature range is -5 °C to 40 °C (23 °F to 104 °F) ambient. Take care

that you do not leave the Rouvida bicycle in conditions above or below this range- such as in a hot car during the summer, or outside in the winter.

⚠ WARNING - FIRE HAZARD
Only charge the Rouvida battery within the safe temperature range.

⚠ WARNING - FIRE HAZARD
Excessive heat can damage the battery and result in a fire.

Using the Drive System

⚠ CAUTION
Any attempt to modify, tamper with, or otherwise alter the Ride 60 Drive System is prohibited and will void the Cervélo and Fazua warranties.

Ride Safely

⚠ WARNING
The Rouvida bicycle was not designed to accommodate passengers or cargo, and as such is not compatible with touring racks, panniers, child seats, or trailers. Do not attempt to carry a passenger or attach / attempt to attach any of these items to the Rouvida bicycle. Loading the bicycle inappropriately can apply forces to the frame or other components that can result in damage or failure, resulting in serious injury or death.

ℹ INFORMATION: Refer to Section 2 – Safety of the Cervélo Bicycle User Manual for guidance on safe operation of the bicycle.

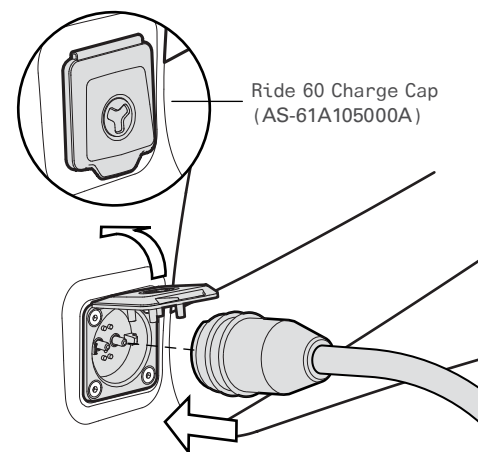


⚠ WARNING
Avoid touching the brake rotor or brake caliper. Disc rotors have sharp edges, and both rotor and caliper can get very hot during use. Take care to ensure that no oils or related products (hydraulic fluid, chain lube, finger oils) contact the brake pad materials or rotors. Contamination of brake pads by oil-based materials can significantly reduce the effectiveness of your braking system. The bicycle inappropriately can apply forces to the frame or other components that can result in damage or failure, resulting in serious injury or death.

CHARGING THE BATTERY

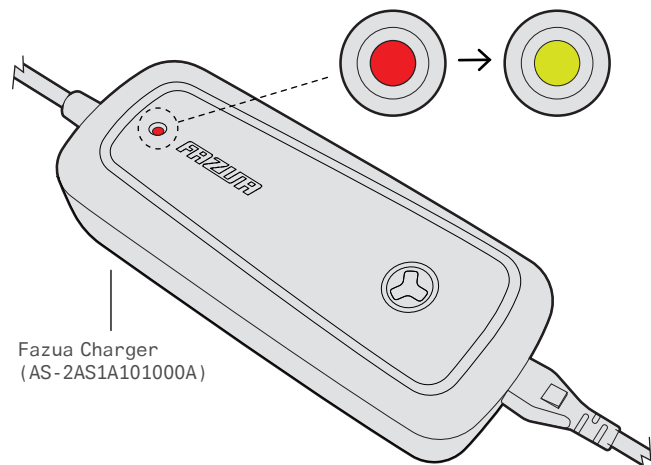
NOTICE: Charging time can be up to 3.5 hours, do not leave the EPAC charging longer than 3.5 hours.

1. Assemble the Fazua power charger with the appropriate regional plug.
2. Connect the charger to an outlet.
3. On the non-drive side of the seat tube, flip open the magnetic cover on the charging port.
4. Plug the Fazua charger into the charge port.

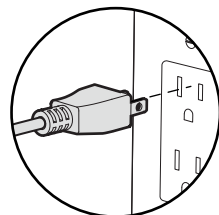


⚠ CAUTION - FIRE HAZARD
Do not leave the Rouvida unattended when charging the battery.

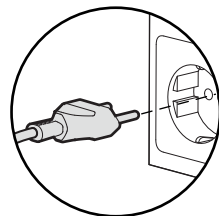
The LED indicator lights up red to indicate that the battery is charging. When the color of the LED indicator switches to green, the battery is fully charged.



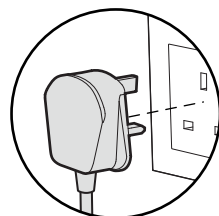
NOTICE: Do not rotate the cranks (forward or backwards), or move the bicycle while the battery is charging. Impact of the crankarm with the charging plug can result in serious damage to the Charge Port or the Charging Cable.



Charger Plug-US
(AS-21A102200A)



Charger Plug-EU
(AS-21A102000A)

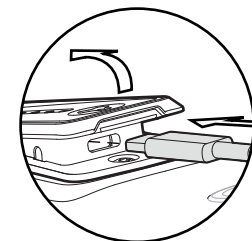


Charger Plug-UK
(AS-21A102100A)

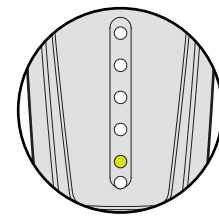
LED HUB

The LED Hub indicates the selected riding mode and battery status through 5 colored LEDs.

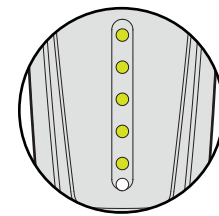
The hub features ANT+ and Bluetooth connectivity. Additionally it can connect and charge a Smartphone or GPS device via its USB-C port.



Lift LED Hub top to expose the USB-C connector



Low Charge



Full Charge

White LED ○
No pedal assist

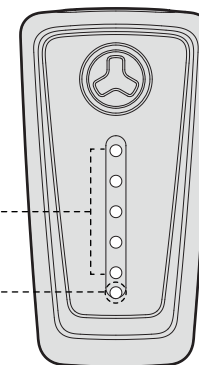
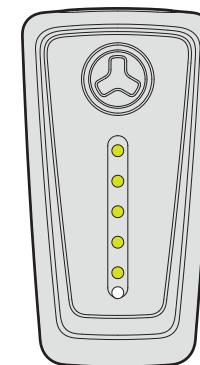
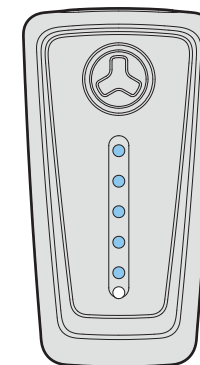
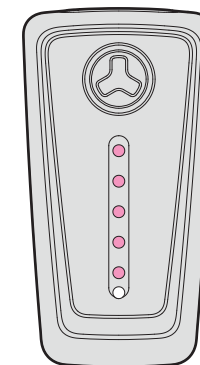
Green LED ● "Breeze"
Minimum pedal assist
Maximum range

Blue LED ● "River"
Medium pedal assist
Medium range

Pink LED ● "Rocket"
Maximum pedal assist
Minimum range

Number of lit LEDs indicates charge level (5=full, 1=low)

Error indicator LED



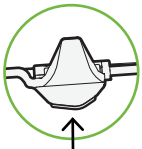
Use the unique ID number located by the LED Hub to connect your bicycle to the Fazua App. The Fazua App may be used to customize the ride characteristics of the Ride 60 system. The QR code, right, links to the download page:



RIDE ASSIST MODES

Left

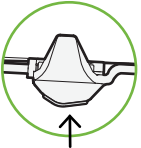
Right



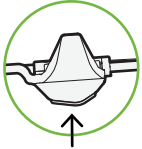


System Start/Stop
Press Left Hand Road Control **3 seconds** to turn the system on or off.



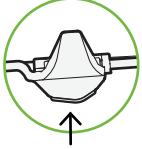


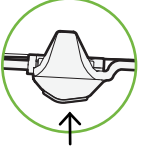
Ride Assist - Up
Individual short press Right Hand Road Control to cycle up through the ride assist modes from White to Pink.





Ride Assist - Down
Individual short press Left Hand Road Control to cycle down through the ride assist modes from Pink to White.



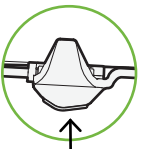


Boost Mode
Simultaneously press Left Hand and Right Hand Road Controls for **1 second** to activate Boost Mode: 4 seconds from standstill, 12 seconds while moving.

Left

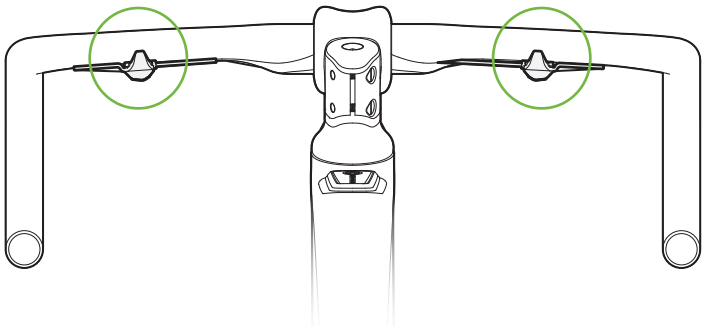
Right





Walk Assist
Continuously pressing the Right Hand Road Control while the LED Hub is in White mode (pedal assist off) activates Walk Assist to help walk the bicycle

CAUTION
Be careful not to injure yourself on the rotating pedals when using the "Walk Assist" function.



INTENDED USE OF THE ROUVIDA 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.

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. 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 Rouvida

Rider	207 lbs	94 kg
Gear*	7 lbs	3 kg
Bicycle	29 lbs	13 kg
Total	243 lbs	110 kg

*Seat bag / water bottles / bento bag / handlebar bottle / storage mounts only

General Purpose Riding - Condition 2

Bikes designed for riding on a paved surface where the tires do not lose contact with the ground, plus unpaved and gravel roads and trails with moderate grades. Contact with irregular terrain and loss of tire contact with the ground may occur. Drops should be no more than 6 in. (15 cm).

Intended For paved roads, gravel or dirt roads that are in good condition, and bike paths.

Not Intended For off-road or mountain bike use, or any kind of jumping. Some bikes come with relatively wide tires, well suited for gravel or dirt paths. Some come with relatively narrow tires, best suited to faster riding on pavement. If you ride on gravel or dirt paths, carry heavier loads, or want more tire durability talk to your Authorized Retailer about wider tires. Not intended for touring with racks or panniers, or mounting child seats or trailers.

Applicable Cervélo Models Rouvida

ROUVIDA 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.

Component	Torque (N · m)	Notes
Electrical System		
Speed sensor cover	1 N·m	Refer to manufacturer's instructions.
Charging port cover	0.3 N·m	Refer to manufacturer's instructions.
LED hub bezel	1 N·m	Refer to manufacturer's instructions.
Water bottle cage fixing screws	2 to 3 N·m	Lightly grease the fixing screws.

It is recommended that you permit your retailer to perform the following adjustments, as they have the proper tools and experience to ensure it is done correctly.

Prior to assembling and tightening any bolts, all threads must be generously greased with a quality, non-lithium type grease unless the bolt is pre-coated with Loctite® thread locker. All bolts should have either grease or Loctite - but never both. Torque wrenches with scale appropriate for the particular torque setting are strongly recommended for tightening all threaded fasteners.

Cervélo strongly recommends the use of carbon assembly compound/friction paste for all areas of clamping to carbon fiber, such as the seatpost

to frame, the stem to fork, and the handlebar to stem joints. Benefits to using this paste include reduced corrosion potential, and a decrease in required clamping force needed to support a given load. The paste should be evenly spread on the carbon surface under the clamped area, and the applicable bolt tightened as per the following recommendations.

WARNING: In case of a disagreement or a conflict between the following list and any supplier literature on recommended torque values for original equipment components, please contact Cervélo Customer Support for review and clarification of the required torque prior to installation.

Component	Torque (N · m)	Notes
Drive Unit		
Drive unit to frame	14 N·m	New fasteners must be used. Follow the manufacturers tightening procedure.
Chainring spider to drive unit	40 N·m	Refer to manufacturer's instructions. Note: spider lockring is reverse threaded.
Battery		
Battery mount to battery	1.2 N·m	Apply Loctite 243 to the screws before installing.
Battery mount to frame	5 N·m	Apply Loctite 243 to the screws before installing.
Frame		
Frame dropout inserts	2 N·m	Apply Loctite 243 to the dropout fixing screws before installing.
SRAM universal derailleur hanger (UDH)	25 N·m	Refer to manufacturer's instructions.
Fork		
Steerer compression plug	8 N·m	Lightly grease the fixing screw and tighten to the recommended torque.
Fork dropout inserts	1 N·m	Apply Loctite 243 to the set screws before installing.
Stem		
Stem to fork steerer tube	5 N·m	Lightly grease the stem fixing screw and torque and evenly & alternately tighten to recommended torque.
Stem to handlebar	6 N·m	Lightly grease the handlebar fixing screws and evenly & alternately tighten to recommended torque.
Handlebar		
Brake/shift levers (to handlebar)	6 to 8 N·m	Refer to manufacturer's instructions for installation of brake/shift levers.
Accessory mount- front	2 N·m	Lightly grease the fixing screws.

ROUVIDA TORQUE SPECIFICATIONS

Component	Torque (N · m)	Notes
Seatpost and saddle		
Seatpost clamp	6 N·m	Apply Loctite 243 to the fixing bolt before installing.
Saddle clamp	7 to 12 N·m	Refer to manufacturer's instructions.
Wheels		
Cervélo aero thru-axle / Cervélo aero thru-axle with removable handle	12 to 15 N·m	Requires the use of a 6 mm Allen key type wrench or Removable handle.
Other		
Pedals	30 to 35 N·m	Refer to manufacturer's instructions.

MAINTENANCE INSTRUCTIONS

Caring for the EPAC

Before First Ride

- Your authorized Cervélo Retailer will assemble and adjust the Rouvida bicycle for you. Prior to riding the bike (first ride and every ride afterwards), the Mechanical Safety Check: Before Every Ride inspection must be performed. Your Retailer can walk you through these inspection steps and answer any questions that you have about the bicycle.

Repairing and maintaining

- Cervélo recommends that maintenance and adjustment procedures be performed by an authorized Cervélo retailer.

NOTICE: Maintenance work by an authorized Cervélo Retailer is not free of charge.

Cleaning the EPAC

- Always turn off the Drive System prior to cleaning the bicycle.
- Never clean the bicycle while the battery is charging.
- Use a soft cloth with a bucket of water, or a low-pressure garden hose to clean the bicycle.

⚠ WARNING - FIRE HAZARD
Cervélo strongly recommends that all assembly and adjustment procedures be performed by an authorized Cervélo retailer. Use of incorrect bolts or incompatible parts can result in a risk of short circuits, or damage to the battery. Be certain to use the correct bolts - incorrect bolts or incompatible parts can result in a risk of short circuits, or damage to the battery. Be certain to use the correct bolts - incorrect bolt length could cause a short circuit of the electrical system or damage the battery which can lead to overheating. A battery that is severely damaged can catch fire.



⚠ WARNING-SHOCK HAZARD
Never attempt to open, service, or repair any parts of the Ride 60 electrical system. Always contact your authorized Cervélo retailer to service any parts of the electrical system.

⚠ CAUTION
Do not dry the bicycle by using a high-pressure air hose, as this can damage components.

⚠ CAUTION
Do not submerge any of the components in water or other liquids, and do not wash the bicycle with a high-pressure washer/hose. Water that contacts the electrical system can damage it and result in short-circuits, as well as potential damage to mechanical parts.

Wear items

Wear items are components of the EPAC that may wear out quicker when compared with a standard bicycle due to higher speeds, weight, and mileage associated with EPACs. Higher rates of wear are not a defect in the product. Wear items are not covered by the Cervélo Warranty as such. The following parts are considered Wear items under the Cervélo Warranty policy:

- Tires
- Brake pads
- Chains, chainrings, cassette sprockets
- Bearings, bottom brackets
- Gear shift and brake cables
- Handlebar tape
- Paint finish

Fazua Ride 60 Drive System components are covered by the Fazua Warranty policy.

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 chainstays. 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.

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.

3. 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.

4. Check that the headset is adjusted correctly, with no play when the front brake is locked. Adjust or overhaul if needed - consult your retailer.

5. Check that the chain is tensioned correctly. Inspect the chain for broken parts, kinks, or rust.

6. Check that the brake pads are not worn (replace if thinner than 1 mm)

7. Check the chainstay guard and bottom bracket guard for wear.

8. 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. Check the chainstay guard for wear.

Every Year (~6000 miles):

Perform an annual service at your retailer. Annual service includes:

1. Overhaul service and inspection of frame, Ride 60 system, suspension, and all other components.

2. Repair, service, and/or replacement of parts as needed.

3. Cleaning and lubrication of all parts as recommended by your component manufacturer's instructions or consultation with your retailer.

4. Perform brake bleed, and suspension overhaul as directed by the component manufacturer.

5. Check for updated service instructions and intervals for your bicycle at www.cervelo.com

Annual Maintenance Intervals:

- At delivery
- Interval 1 - after 100 km
- Interval 2 – after 2000 km or one year after date of purchase
- Interval 3 – after 4000 km or two years after date of purchase
- Interval 4 – after 6000 km or three years after date of purchase
- Interval 5 – after 8000 km or four years after date of purchase
- Interval 6 – after 10000 km or five years after date of purchase
- Interval 7 – after 12000 km or six years after date of purchase
- Interval 8 – after 14000 km or seven years after date of purchase
- Interval 9 – after 16000 km or eight years after date of purchase
- Interval 10 – after 18000 km or nine years after date of purchase
- Interval 11 – after 20000 km or ten years after date of purchase

RIDE 60 SYSTEM SAFETY CHECK

Before Every Ride:

Drive System

- Check that the Drive System powers on and that pedal assistance is functioning properly.

Battery

- Check that the battery is charged.

Display

- Check that the LED Hub display is functioning properly.

Accessories and Safety Equipment

- Ensure all reflectors are properly fitted and visibility is not obscured.
- Check that front and rear lights are functioning, adjusted properly, and are unobstructed.
- Ensure all accessories installed on the bicycle are properly secured and functioning as per the manufacturer's instructions.
- If fenders are installed, ensure that they are centered over the wheels, adjusted properly and secured, and that the fenders are undamaged.

Every Week (~100 miles):

Charger

- Check that the battery charger has no obvious signs of damage and is functioning properly

Cables

- Check the electrical cables connectors (charging socket, LED Hub connector) are undamaged and free of any debris or moisture.
- Check any visible cables for obvious signs of damage.
- Check that cables are secured away from moving parts

Every Month (~400 miles):

Firmware

- Check for any pending firmware updates by connecting the Drive System to your computer through a USB cable that connects to the LED Hub port. The Fazua firmware updates can be accessed through the QR code, below:



Replacement Parts

When any components of your Rouvida bicycle requires replacement due to wear, damage, or other reasons it is critical that genuine replacements for the original components are used to maintain the performance and safety of your bicycle.

⚠ WARNING

The original equipment components of the Rouvida bicycle were selected and tested specifically for use in this product. Use only originally supplied components and hardware – or genuine replacement parts thereof - at all times. The use of alternate components or hardware will compromise the integrity of the Rouvida bicycle overall. Do not modify the Rouvida frame, fork, stem handlebar, or any other parts of the bicycle in any way. Use of non-original or modified parts may lead to catastrophic failures and could result in serious personal injury or death.

NOTICE: 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.

Troubleshooting

Please refer to the FAZUA RIDE 60 – User Manual for troubleshooting information related to the Ride 60 Drive System. The Fazua User Manual can be accessed through the QR code, below:



⚠ WARNING

Do not expose your bicycle to temperatures above 65 °C/149 °F for any extended period of time. It is possible to reach this temperature while the bicycle is in storage or transport, such as the inside of a car parked in the sun. Take care to avoid confined storage areas with exposure to sources of heat.

 **WARNING**

While the materials and workmanship of your bicycle or of individual components of your bicycle may be covered by a warranty for a specified period of time by the manufacturer, this is no guarantee that the product will last the term of the warranty. Product life is often related to the kind of riding you do and to the treatment to which you submit the bicycle. The bicycle's warranty is not meant to suggest that the bicycle cannot be broken or will last forever. It only means that the bicycle is covered subject to the terms of the warranty. Please be sure to read Appendix B.

Frequent inspection of your bike is important to your safety. Follow the section Mechanical Safety Check before every ride. Periodic, more detailed inspection of your bicycle is important. You, the rider/owner, have control and knowledge of how often you use your bike, how hard you use it and where you use it. Because your retailer cannot track your use, you must take responsibility for periodically bringing your bike to your retailer for inspection and service. Your retailer will help you decide what frequency of inspection and service is appropriate for how and where you use your bike.

 **WARNING**

It is impossible for this manual to provide all the information required to properly repair and/or maintain your bicycle. To help minimize the chances of an accident and possible injury, it is critical that you have any repair or maintenance not specifically described in this manual performed by your retailer. Equally important is that your individual maintenance requirements will be determined by everything from your riding style to geographic location. Consult your retailer for help in determining your maintenance requirements.

Many bicycle service and repair tasks require special knowledge and tools. Do not begin any adjustments or service on your bicycle until you have learned from your retailer how to properly complete them. Improper adjustment or service may result in damage to the bicycle or in an accident which can cause serious injury or death.

TRANSPORT, STORAGE AND DISPOSAL

Transporting the EPAC

- Ensure the drive system is switched off when transporting the Rouvida.
- Vehicle racks- the added weight of the electric drive system could overload vehicle-mounted bike racks. Please check your rack's owner's manual to be sure it is compatible with your Rouvida.

NOTICE: Ensure that there is sufficient protection from rain or water ingress, which can damage the electronic components.

 **INFORMATION:** Check with any commercial carriers in advance for any regulations or restrictions related transporting the EPAC.

 **WARNING**

Inspect your bicycle before and after any transport or if it was left unattended. If your bicycle is damaged, do not ride it until the damage has been repaired. Riding a bicycle that has been damaged can cause you to lose control and fall.

Storing the EPAC

- Ensure the drive system is switched off when storing the Rouvida.

- Lock up the bicycle when stored in an unsecured location to prevent theft.
- Avoid storing the bicycle in direct sunlight, which can damage the finish over time.

NOTICE: Take care to ensure that the storage temperature guideline for the Ride 60 drive system are followed. The battery in particular can be damaged by extreme temperatures.

- Store the Rouvida in a dry, ventilated location away from sources of moisture, heat, and combustible or easily flammable materials. Recommended permissible storage temperature range for a period of up to 1 year is -15 °C to 25 °C (5 °F to 77 °F).
- If the battery will not be used for an extended period of time, it should be charged to a minimum level of 60% charged before it is stored. Monitor the battery charge while it is in storage a minimum of once every 6 months to ensure it remains above a minimum 20% charge. Batteries can be damaged by completely discharging.

Disposal

- When the time comes, please dispose of the drive unit, battery, speed sensor, remote, wiring, and any other components or packaging

in an environmentally responsible manner according to local laws and regulations. Do not dispose of these items in household waste. Contact your authorized Cervélo retailer information on proper recycling options.

RISK OF FIRE, SHOCK, INJURY

Due to their design, lithium-ion batteries pose particular risks, such as the risk of explosion and fire when exposed to heat, and must therefore be handled with care per the Warnings, Cautions, and Notices that follow:

WARNING-EXPLOSION HAZARD

Danger of Battery Explosion

Use of inappropriate batteries or improper handling of the battery poses an increased risk of battery fire or explosion.

- Only use the original Fazua 3A charger for charging the Rouvida EPAC.
- Never ride with a damaged battery.
- Never attempt to charge a damaged battery.
- Do not attempt to open the battery.
- Keep the battery away from heat (e.g. strong sunlight), open fire, water, or other liquids.
- Only use the battery in e-bikes equipped with an original Fazua Ride 60 drive system. Never use the battery for other purposes or in other drive systems.

WARNING - FIRE HAZARD

Fire Hazard Due to Incorrect Handling

Improper handling of the battery and/or charger, or attempting to charge batteries with an incompatible charger, could result in a battery fire.

- Only use original Fazua Ride 60 compatible components. Do not attempt to charge an unfamiliar battery with the Fazua 3A charger, and do not attempt to charge the Fazua Energy 430 Fix battery with an unfamiliar charger.
- The charger and battery heat up during charging, and must be kept away from any combustible materials. Do not leave bicycle unattended during charging. While charging ensure the bicycle is located in a well-ventilated area.
- Never attempt to charge non-rechargeable batteries!
- Take care not to handle metal objects such as coins, paper clips, screws, etc. in the immediate vicinity of the battery and to store the battery separately from metal objects. Metal objects can close a circuit between the terminals of the battery (i.e., "short-circuit" the battery) and cause a fire as a result.
- Never short-circuit the battery.

WARNING-BURN HAZARD

Danger of Chemical Burns from Battery Acid

The lithium-ion battery contains battery acid. If you come into contact with this liquid, the affected area of skin and/or mucous membranes may suffer chemical burns. Contact with the eyes may result in a loss of sight.

- Do not touch any liquid leaking from the battery.
- If you have come into contact with liquid leaking from the battery, immediately rinse the affected part of the body thoroughly under plenty of running water.
- After rinsing, seek advice from a doctor immediately, in particular on eye contact and/or if the mucous membranes are affected (e.g., nasal mucous membranes).

WARNING-INHALATION HAZARD

Health Risk Due to Irritation of the Airway

If the battery is damaged, gases may escape which may irritate the respiratory tract.

- Protect the battery from any mechanical damage or any other load.
- If you notice or suspect that gas is leaking from the battery, immediately seek out a supply of fresh air and seek medical attention as soon as possible.

WARNING-MEDICAL HAZARD

Danger of Interference with Medical Equipment

The magnetic connections in the battery and charger can interfere with the function of pacemakers.

- Keep the battery and charger away from pacemakers or persons wearing a pacemaker and draw the attention of persons with pacemakers to the danger.

WARNING-SHOCK HAZARD

Risk of Electric Shock

Improper handling of the charger, or connecting the charger's power cord to an incorrectly grounded wall socket/outlet may expose you and others to the risk of electric shock.

- Only connect the charger to an easily accessible and properly grounded electrical outlet.
- Make sure that the rated voltage of the electrical outlet matches the rated voltage printed on the Fazua 3A charger.
- Charge the battery in a temperature controlled, dry, safe location. Only charge the battery in an ambient temperature range of 32 °F to 95 °F (0 °C to 35 °C).
- Keep the charger away from all sources of liquids and humidity.

- Do not pull on the cables to disconnect, always grasp the corresponding plug when disconnecting the connectors from the bicycle or the electrical outlet.

- Do not handle the plugs of the charger with wet or damp hands.
- Take care not to bend the charger cables or lay them over sharp edges.

- Do not attempt to open the charger. The charger may only be opened by an authorised specialist and may only be repaired with genuine spare parts.

- Before each use of the charger, check all individual parts (electrical plug/mains adapter, power/mains cable, charger cable and all plugs) for damage. If the charger's power/mains cable is damaged, it must be replaced by the manufacturer, its customer service department, or a similarly qualified person to avoid any dangers.

- Never use a damaged charger, damaged electrical equipment presents a high risk of electric shock!

- Keep the charger in a clean, dry condition. The risk of electric shock increases if the charger is dirty or soiled.

CAUTION

Risk of Burns

The Ride 60 Drive Unit can become very hot during operation, and can cause burns if touched directly during or shortly following use.

- Be careful when handling the drive unit or battery following use. If necessary, allow the drive unit to cool down completely.

NOTICE: Preventing Damage

Improper handling can damage the Fazua Ride 60 drive system or individual components.

- When charging the battery, ensure that the cables or other components do not become trip hazards.
- Always make sure that the cover flap of the charging socket on the e-bike is closed correctly and completely to ensure that no dust or water can enter the charging socket.

ROUVIDA FRAME DETAILS

Rouvida (FM143)	
Bike Name	Rouvida
Model Year	2024
Serial Number Code	SN143
Frame Code	FM143
Fork Code	FK143
Brake Mount Type	Flat Mount Disc 160 mm
Chainstay Height (Flat Mount)	30 mm
Frame Sizes	SM/MD/LG/XL
Wheel Size	700c
BB Type	Fazua
Headset Type	Intergrated 1-1/4 in. x 1-1/2 in.

Rouvida (FM143)	
Upper Headset Bearing Dimensions	1-1/4 in., 34x46.8x7, 45°x45°
Lower Headset Bearing Dimensions	1-1/2 in., 40x51.8x7.5, 36°x45°
Seatpost	27.2 Round
Seatpost Clamp	SPC-SQ-R-2011-A
RD Hanger	SRAM UDH
Front Axle Dimensions	12 x 100 mm
Rear Axle Dimensions	12 x 142 mm
Frame & Fork Dropout Insert	Gravel: QRI-712
	Road: QRI-717
Maximum Tire Width (Actual)	Gravel: 43.5 mm with 7.5 mm clearance*
	Road: 34 mm with 4 mm clearance**

* Tire measurements shall be taken at the widest point of the tire when it is installed on the rim and inflated. 7.5 mm of distance is required between the tire and any frame or fork element.

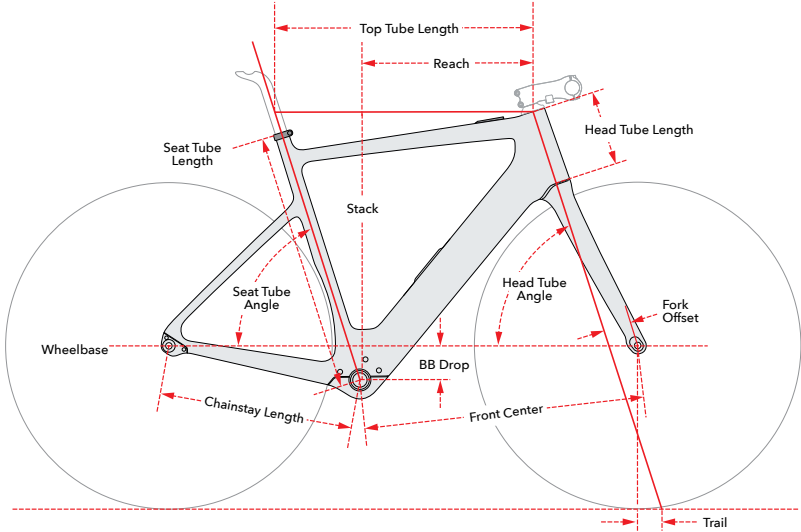
** Tire measurements shall be taken at the widest point of the tire when it is installed on the rim and inflated. 4 mm of distance is required between the tire and any frame or fork element.

FAZUA DRIVE UNIT DETAILS

Rouvida (FM143)	
Drive System	Fazua Ride 60
Maximum Power Output	450 W
Maximum Torque Output	60 N·m
Battery Capacity	430 Wh
Interfaces	ANT+ / Bluetooth (BLE) / USB-C
Controller	Road Control
Support Modes	3
Walk Assist Mode	Yes

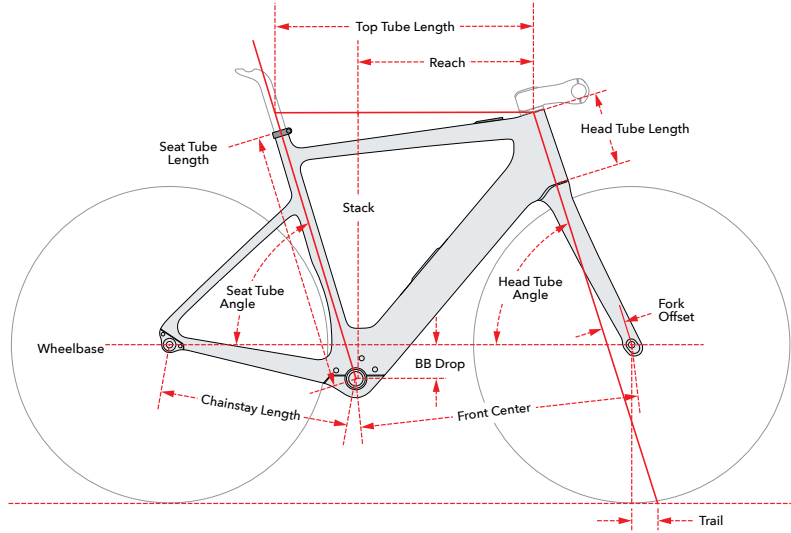
ROUVIDA FRAME GEOMETRY - GRAVEL

Rouvida (FM143)	SM	MD	LG	XL
Reach mm	363	371	379	387
Stack mm	529	561	578	614
Bottom Bracket Drop mm	80	80	80	80
Chainstay Length mm	425	425	425	425
Seat Tube Angle	73°	73°	72°	72°
Head Tube Angle	71°	71°	71°	71°
Fork Length (Axle to Crown) mm	393	393	393	393
Fork Offset mm	57	54	54	54
Front Center mm	586	597	614	630
Head Tube Length mm	106	137	165	193
Wheelbase mm	1000	1011	1027	1044
Standover Height mm	735	779	805	830
Seat Tube Length mm	446	478	523	550
Top Tube Length mm	522	544	565	586



ROUVIDA FRAME GEOMETRY - ROAD

Rouvida (FM143)	SM	MD	LG	XL
Reach mm	370	378	386	394
Stack mm	524	556	583	609
Bottom Bracket Drop mm	74	74	74	74
Chainstay Length mm	415	415	415	415
Seat Tube Angle	74°	74°	73°	73°
Head Tube Angle	72°	72°	72°	72°
Fork Length (Axle to Crown) mm	385	385	385	385
Fork Offset mm	53	50	50	50
Front Center mm	581	592	609	625
Head Tube Length mm	106	137	165	193
Wheelbase mm	985	996	1012	1029
Standover Height mm	725	769	795	820
Seat Tube Length mm	446	478	523	550
Top Tube Length mm	522	544	565	586



ROUVIDA USER ASSEMBLY MANUAL

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