

C SERIES MANUAL

cervélo

cervélo

TABLE OF CONTENTS

Introduction.....	1
Frame Features.....	2
Fork Preparation.....	3
Small Parts.....	5
Frame Preparation.....	6
Brake Housing Installation.....	7
Mechanical Cable Routing.....	9
Electric Cable Routing.....	11
Mudguard Installation.....	13
Frame Guard Installation.....	16
Through-Axle Wheel Installation.....	17

INTRODUCTION

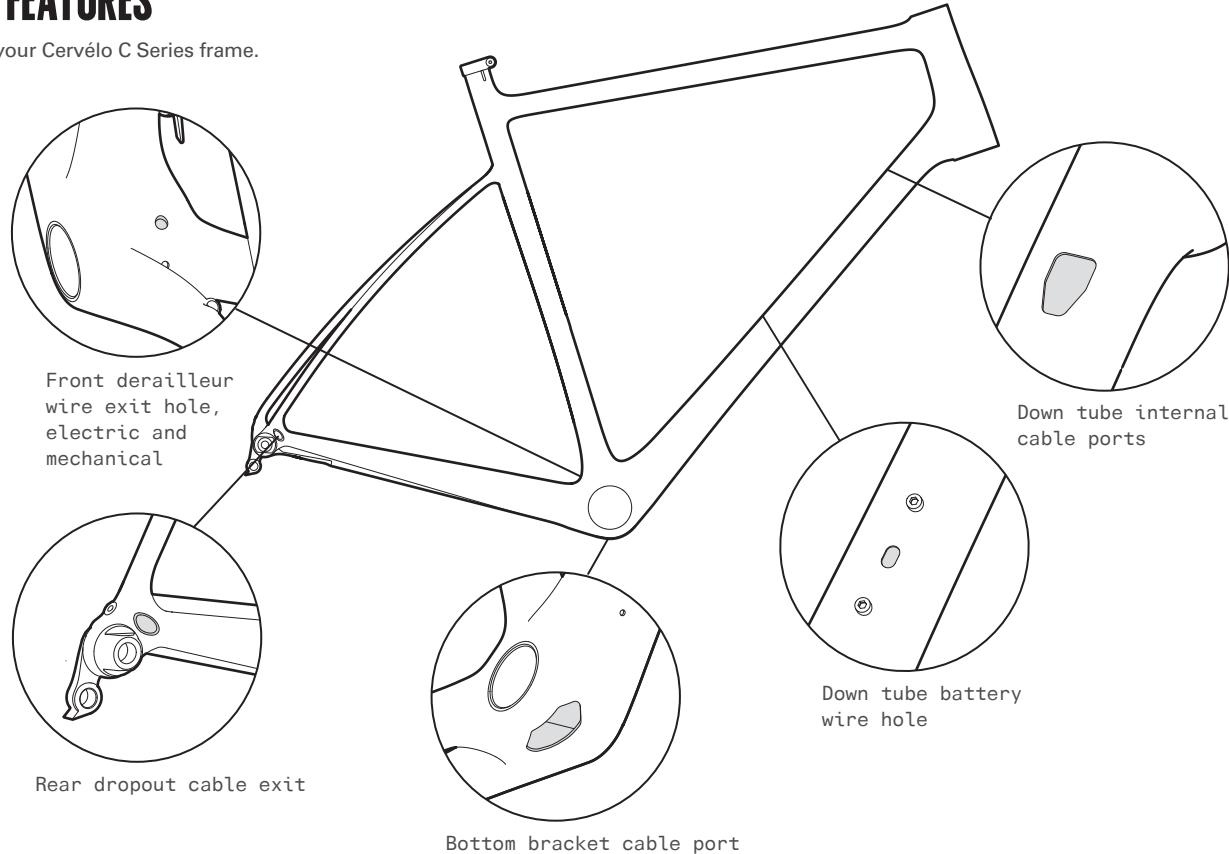
Welcome to the Cervélo family, and congratulations on your decision to enjoy a C Series bicycle.

Designed to inspire, C Series bicycles combine the exceptional lightness and stiffness engineered into every Cervélo, with a geometry designed to elevate your confidence, and deliver day long riding comfort. After 25 years of defining high performance, we are honoured to join you as you travel down the path less taken.

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

FRAME FEATURES

A guide to your Cervélo C Series frame.



FORK PREPARATION

A. Stem Cap + 5mm bolt

B. Headset Spacers

C. Bearing Cap

D. Compression Ring

E. Bearings

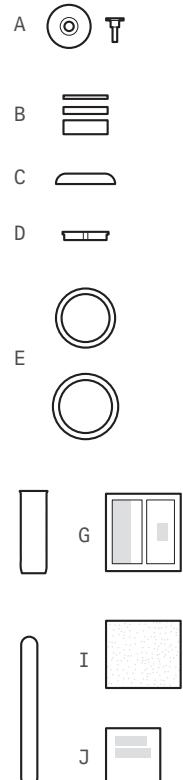
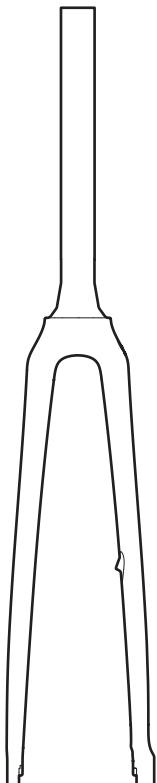
F. Fork Insert

G. Two-Part Epoxy

H. Mixing Stick

I. Isopropyl Alcohol Wipe

J. Sandpaper (120 Grit)



1. Apply grease to the bearing seats, and Install the upper & lower headset bearings into the head tube.

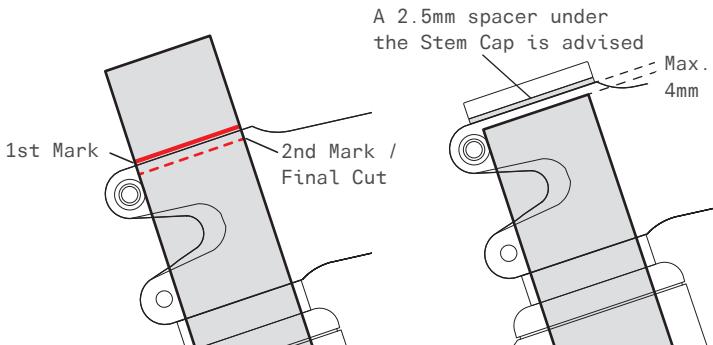
2. Fit the fork into the head tube with the complete headset, required spacers, and the stem.

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 4mm below the first mark. Take care to verify that this measurement is correct as this defines the cut line for the steerer tube.

⚠ Do not exceed 50 mm maximum total spacer height, including the bearing cap.

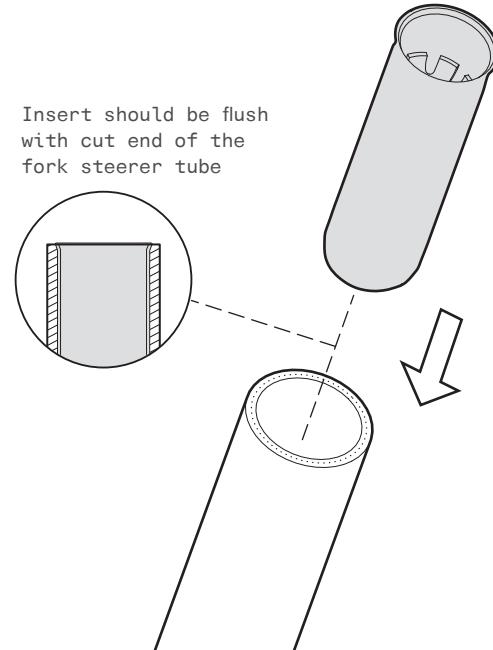
⚠ Avoid breathing the dust created during cutting carbon composite materials.



5. To trim fork steerer, use only a saw suitable for cutting carbon, and a cutting guide.
6. Carefully sand a bevel to the inside of the cut end of the steerer tube to fit the insert.
7. Dry fit insert to check that it is flush with the cut end of the steerer tube.
8. Use isopropyl alcohol to clean the inside of the steerer tube and the outside of the insert.
9. Fully mix the two-part epoxy and apply to the outer surface of the insert with the wooden mixing stick.
10. Slide the insert into the steerer while rotating it slowly until the flared end sits flush with the top of the steerer.
11. Wipe away any excess glue from the outside surface of the steerer tube with the isopropyl alcohol wipe.
12. Set the fork aside and allow it to sit undisturbed for the full curing period.

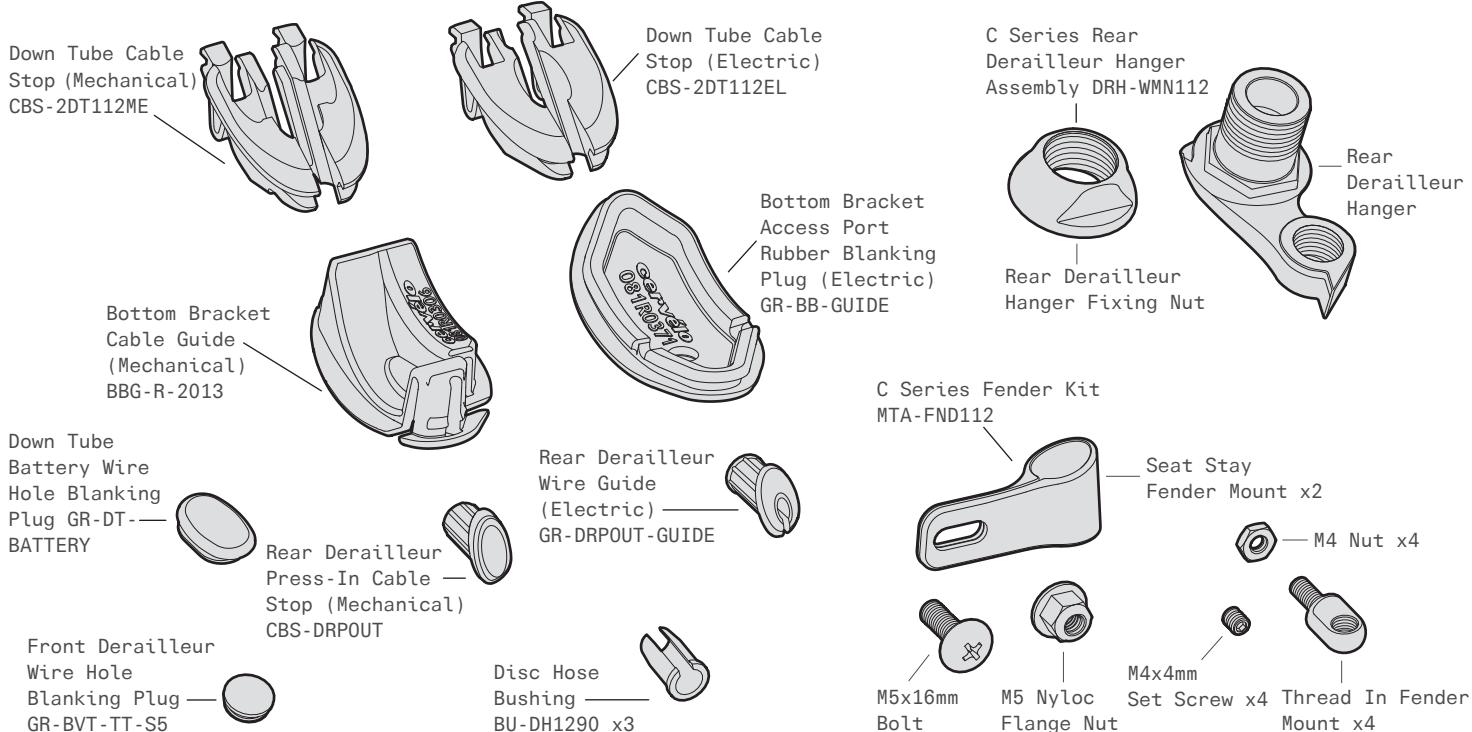
⚠ Do not attempt to fit the fork into a bike prior to the completion of the full curing period.

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

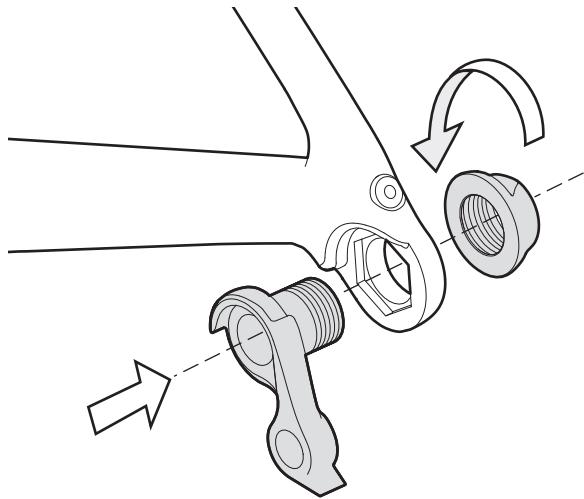


SMALL PARTS

Designed to accommodate electronic, mechanical and hydraulic controls, the C Series frames are engineered to provide seamless integration of all shifting systems, regardless of method or brand. In order to do so, you will require the parts shown below:

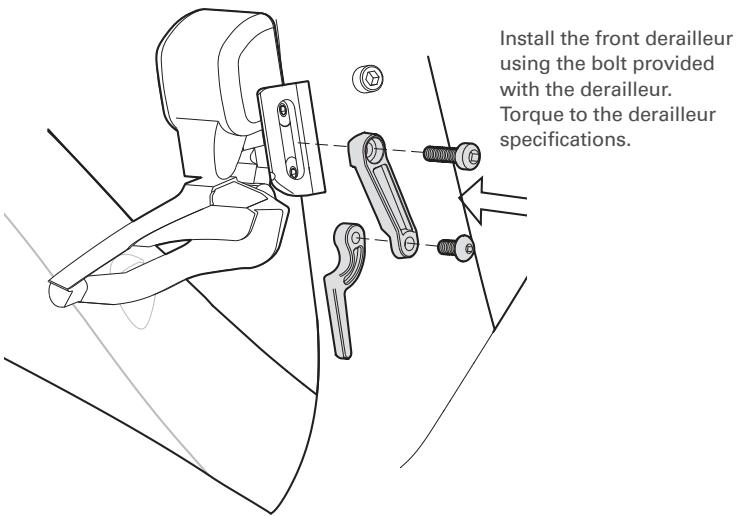


FRAME PREPARATION



Lightly grease Rear Derailleur Hanger Fixing Nut and install Rear Derailleur Hanger, finger tight. Final tightening will be done after rear wheel installation.

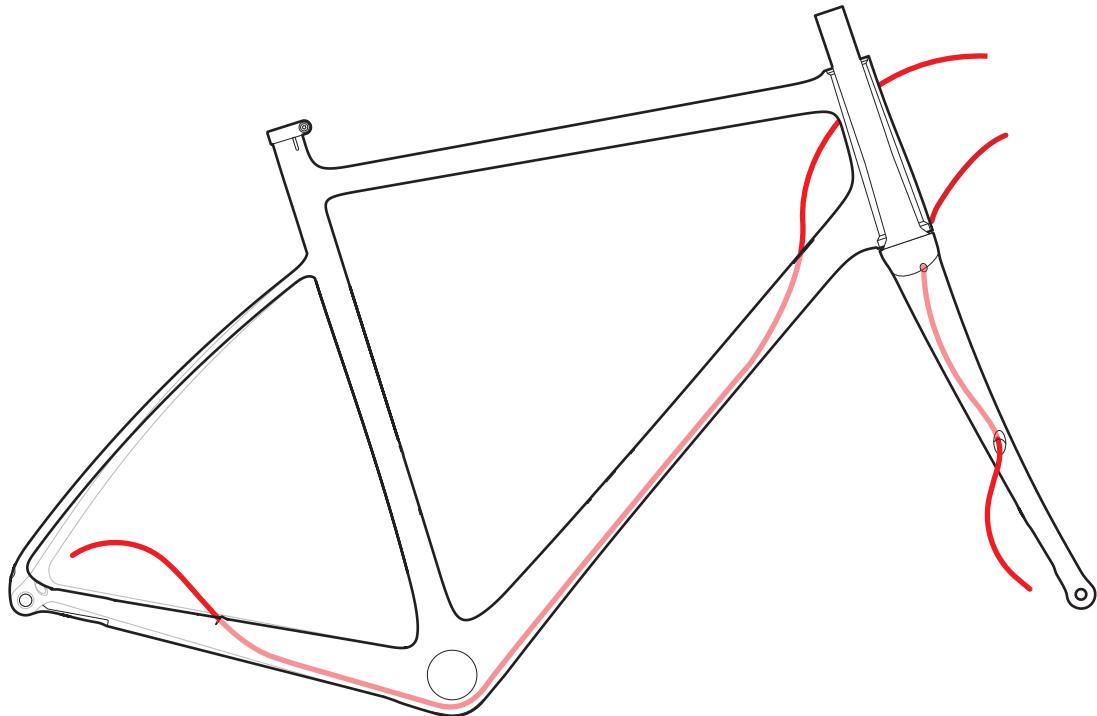
⚠ Do not final tighten rear derailleur hanger assembly without rear wheel installed. Doing so will result in a misaligned derailleur and poor shifting.

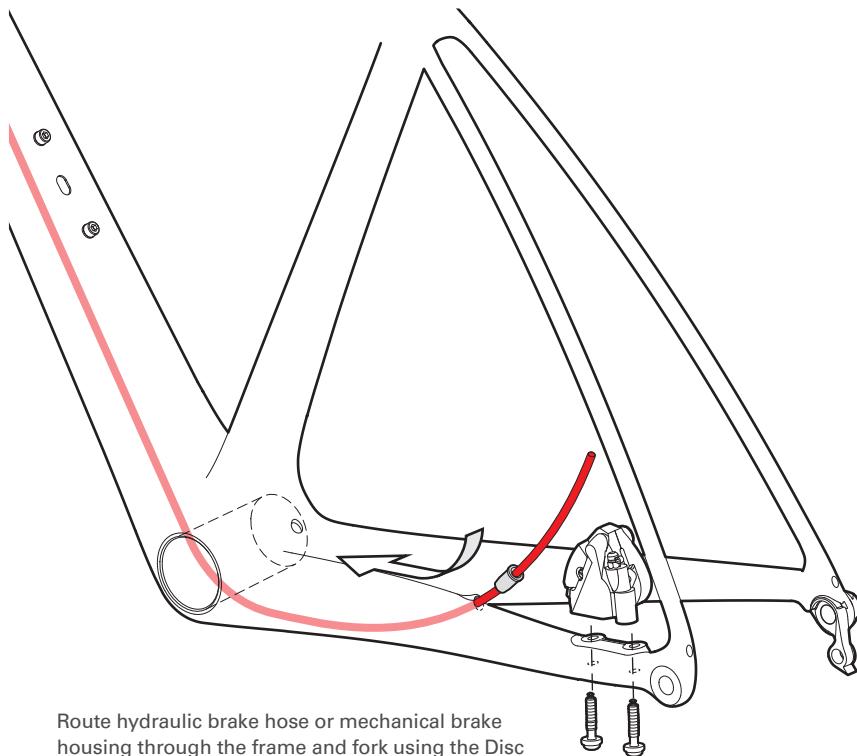


Install the front derailleur using the bolt provided with the derailleur. Torque to the derailleur specifications. Install chain catcher when installing the front derailleur. Complete final adjustment with the chain in the small chainring and largest cassette cog. Tighten the connecting bolt to 4 Nm.

BRAKE HOUSING INSTALLATION

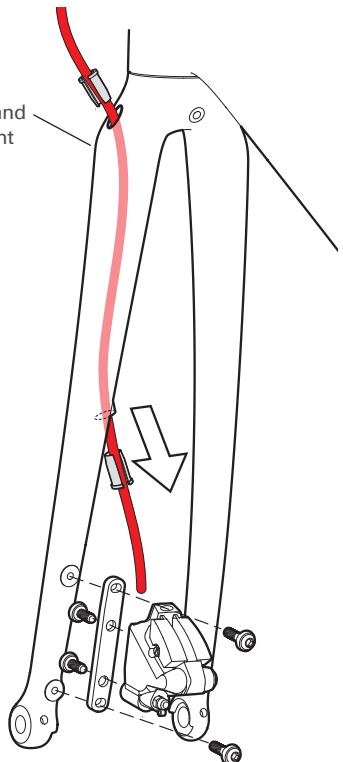
It is recommended that the hydraulic brake hoses or brake cable housing is installed first. These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. For both hydraulic and mechanical disc brakes, please refer to the component manufacturer's service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





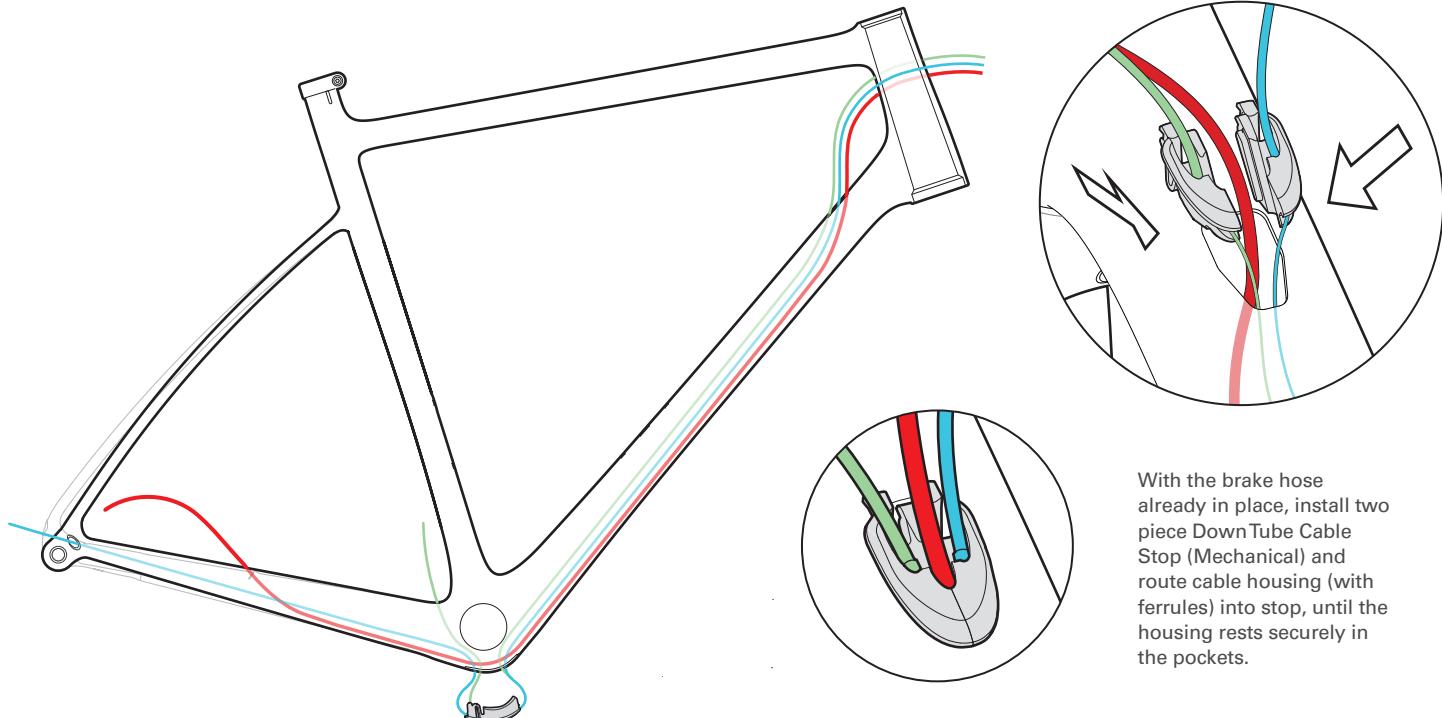
Route hydraulic brake hose or mechanical brake housing through the frame and fork using the Disc Hose Bushings. Install and adjust calipers as per manufacturer's instructions.

NOTE: The brake line entry hole on the C3 and C2 is on the fork's front surface.

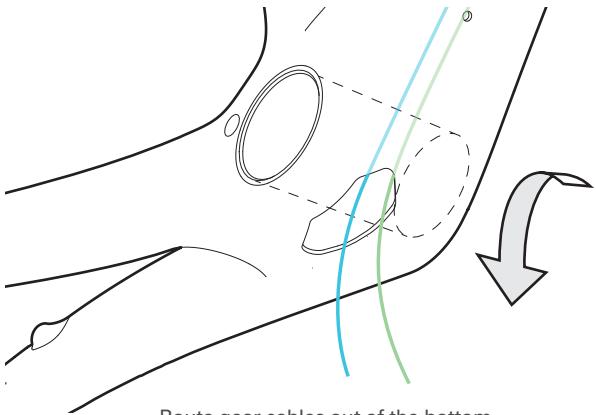


MECHANICAL CABLE ROUTING

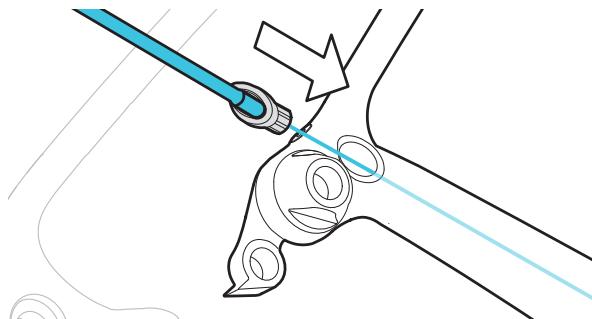
It is recommended that front and rear derailleur cables be installed after the brake hose has been installed. These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further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



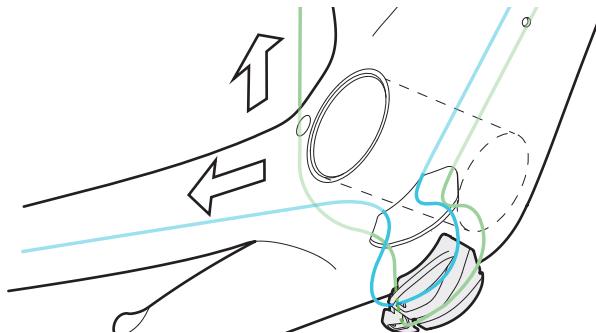
With the brake hose already in place, install two piece Down Tube Cable Stop (Mechanical) and route cable housing (with ferrules) into stop, until the housing rests securely in the pockets.



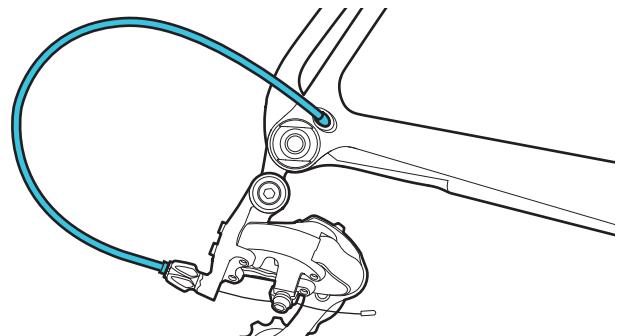
Route gear cables out of the bottom bracket cable port. Ensure that the cables are not twisted together.



Install Rear Derailleur Press-In Cable Stop.



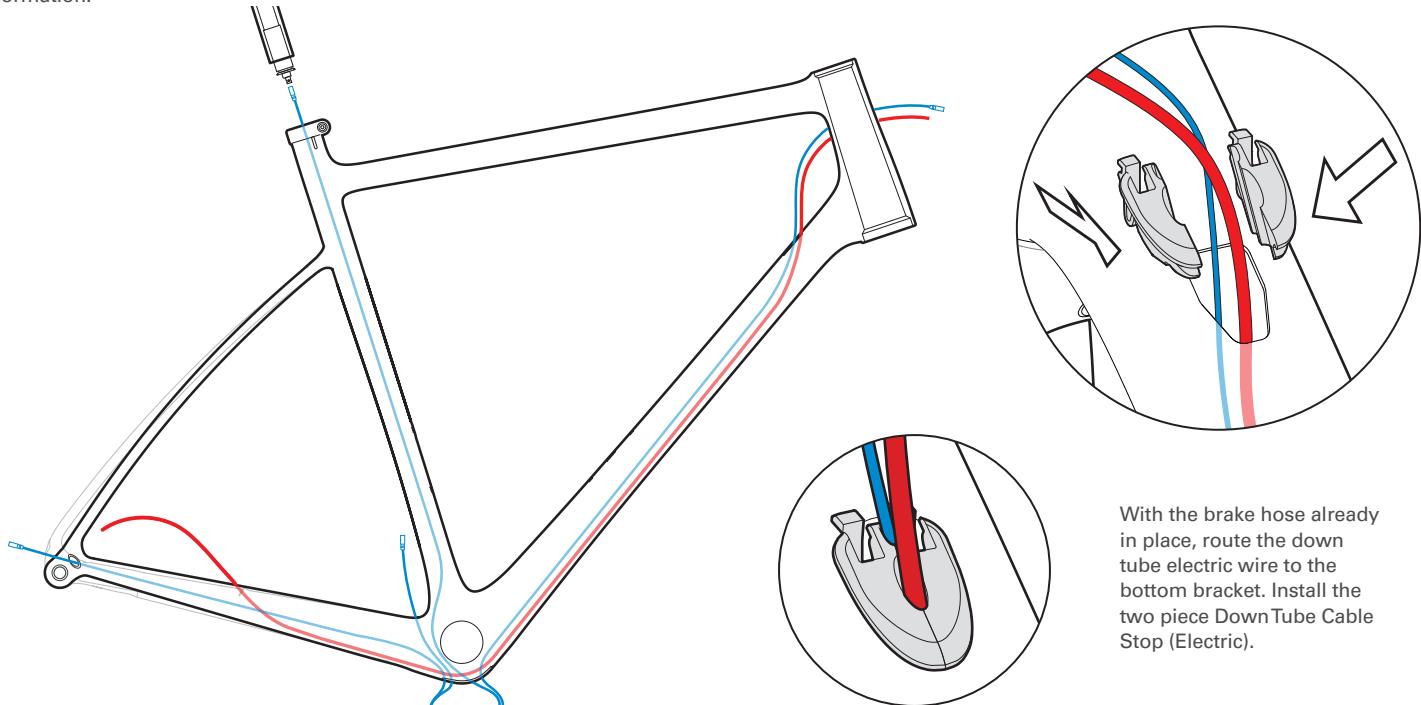
The front cable travels across the non-drive side slot, and in the direction of the seat tube. The rear cable travels along the drive side slot, and along the chain stay. When complete, snap Bottom Bracket Cable Guide into place.



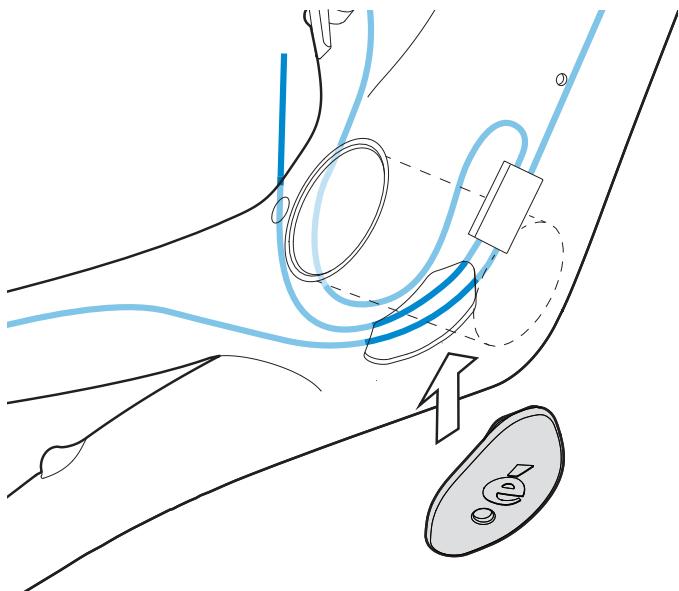
As per manufacturer's instructions, install rear derailleur on rear derailleur hanger, cut appropriate housing length, and attach cable.

ELECTRIC CABLE ROUTING

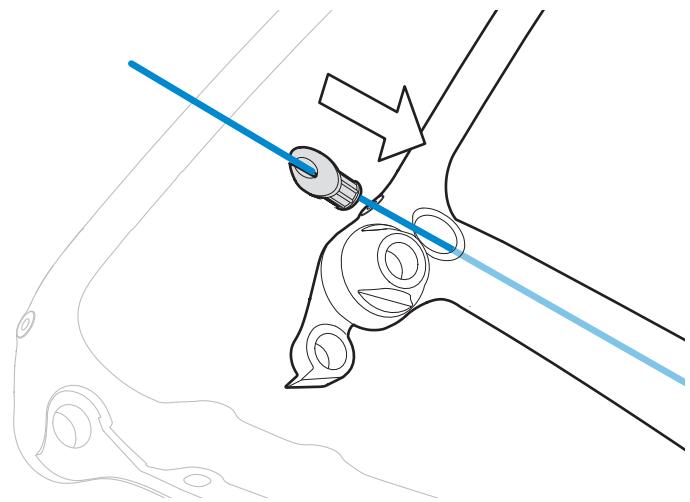
It is recommended that electric cabling and junction points be installed after the brake hose has been installed. These routing illustrations are intended as a supplement to the manufacturer's installation instructions only. Please refer to the component manufacturer's service center or website for further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



With the brake hose already in place, route the down tube electric wire to the bottom bracket. Install the two piece Down Tube Cable Stop (Electric).

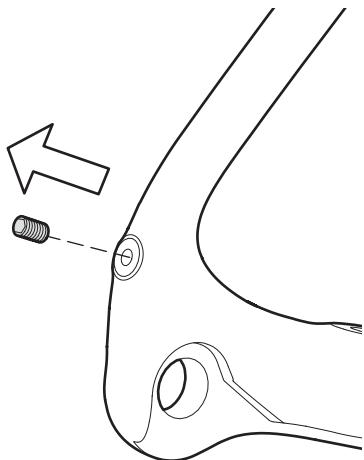


With all wires inside, cap the bottom bracket access port with the Bottom Bracket Access Port Rubber Blanking Plug.

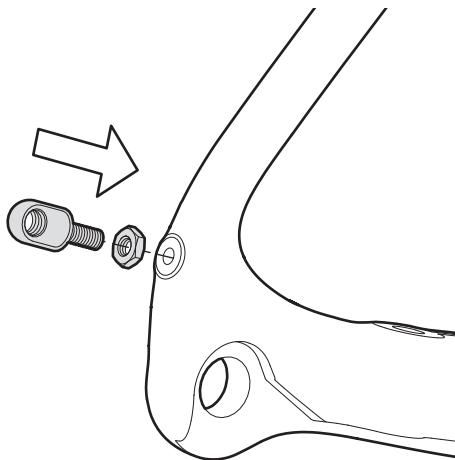


Install the Rear Derailleur Wire Guide.

MUDGUARD INSTALLATION

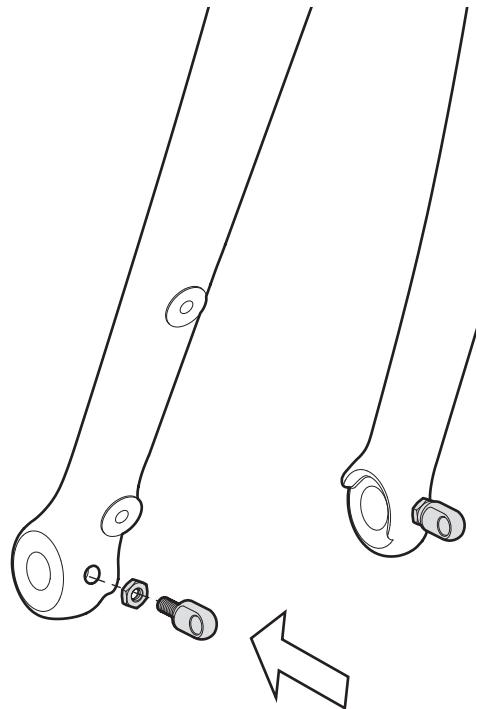


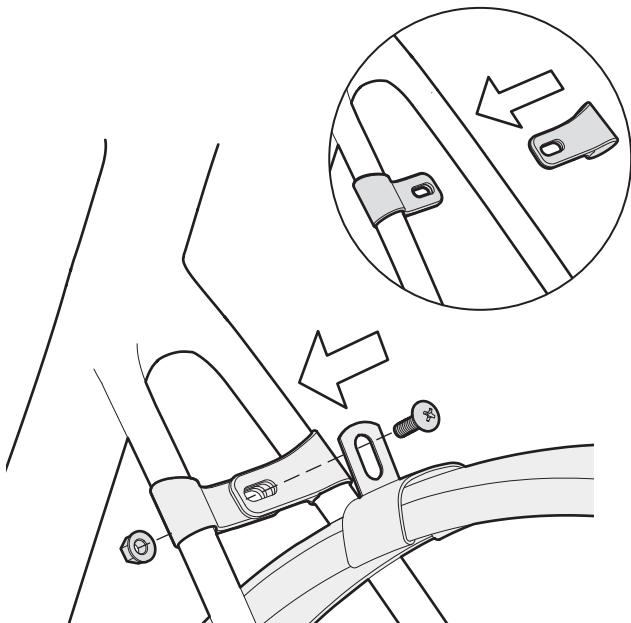
Remove set screw from threaded mud guard eyelet hole.



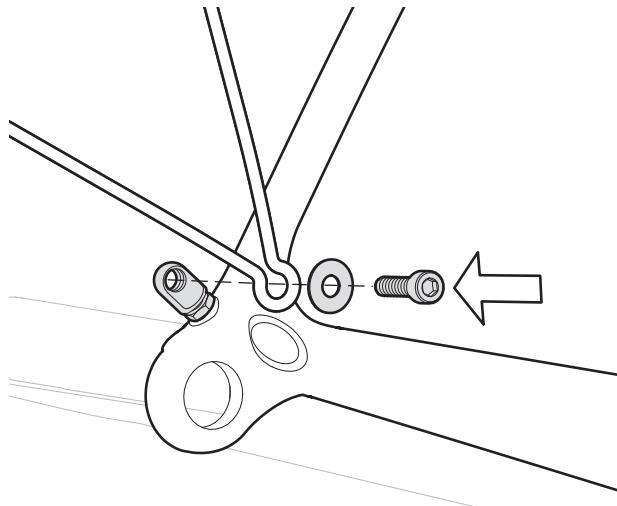
Lightly grease threads and install M4 nut on the fender mount bolt. Install the bolt into the frame, turning 4-4.5 times by hand, until oriented vertically. Tighten 4mm nut against frame to lock (~1 Nm).

⚠ Do not overtighten, overstressing the threads can result in de-bonding of the insert. Always use the M4 nut to secure the eyelet's position.



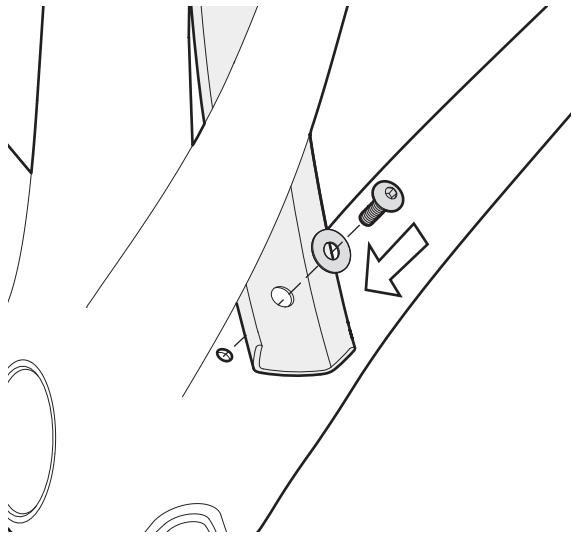


Install the seat stay bridge using the supplied M5 fixing screw and nut. It is recommended that this remain only finger tight, until all mudguard fixing screws are in place and final adjustment is being performed. Adjust height as per manufacturer's instructions.

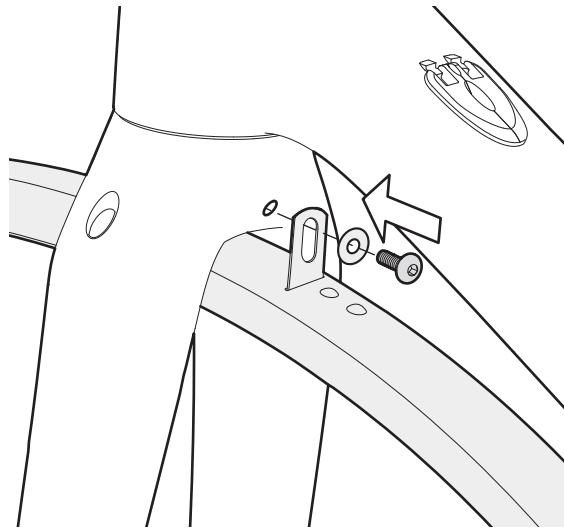


Install mudguard stays as per manufacturer's instructions.

⚠ The Cervélo C Series eyelets are designed to be used with mudguards only, and will not support use of a cargo rack.

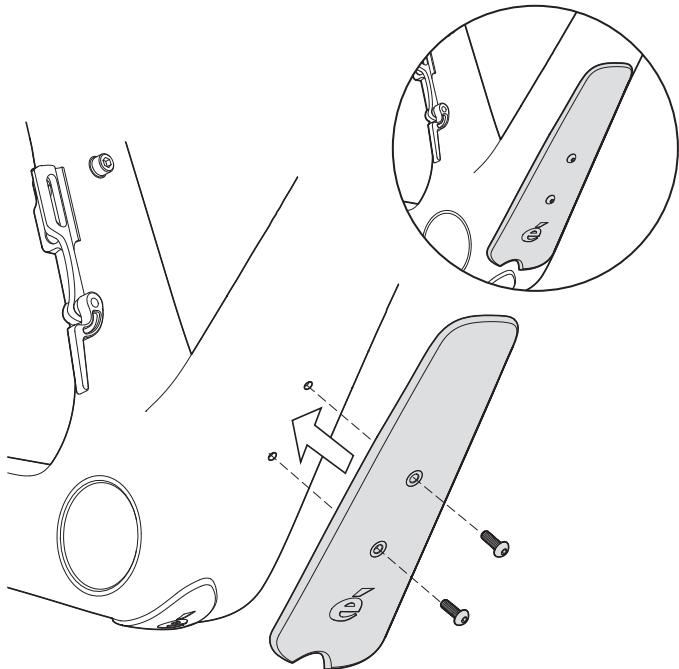


Using a greased M5 fixing screw and washer, attach mud guard to the outside face of the eyelet.

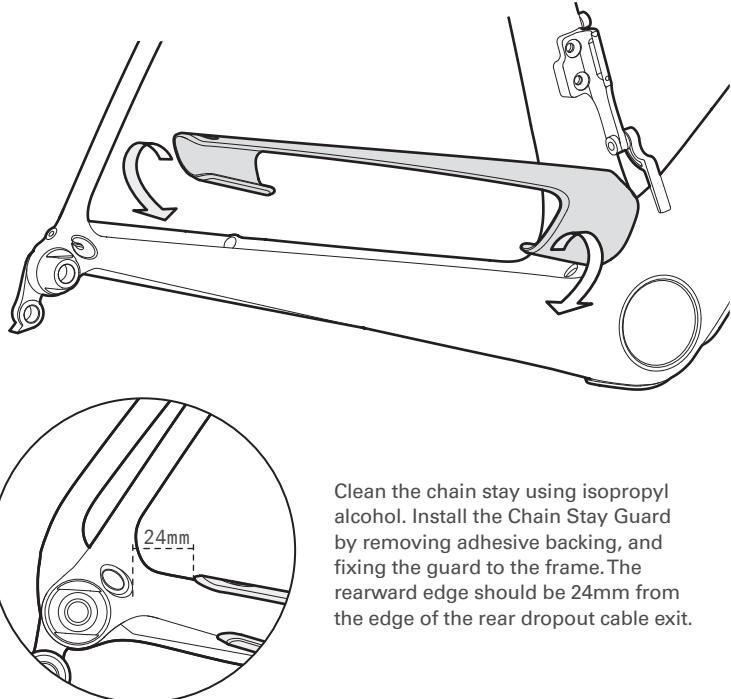


Using a greased M5 fixing screw and washer, attach the front mudguard hanger to the rear of the fork, as per manufacturer's instructions.

FRAME GUARD INSTALLATION

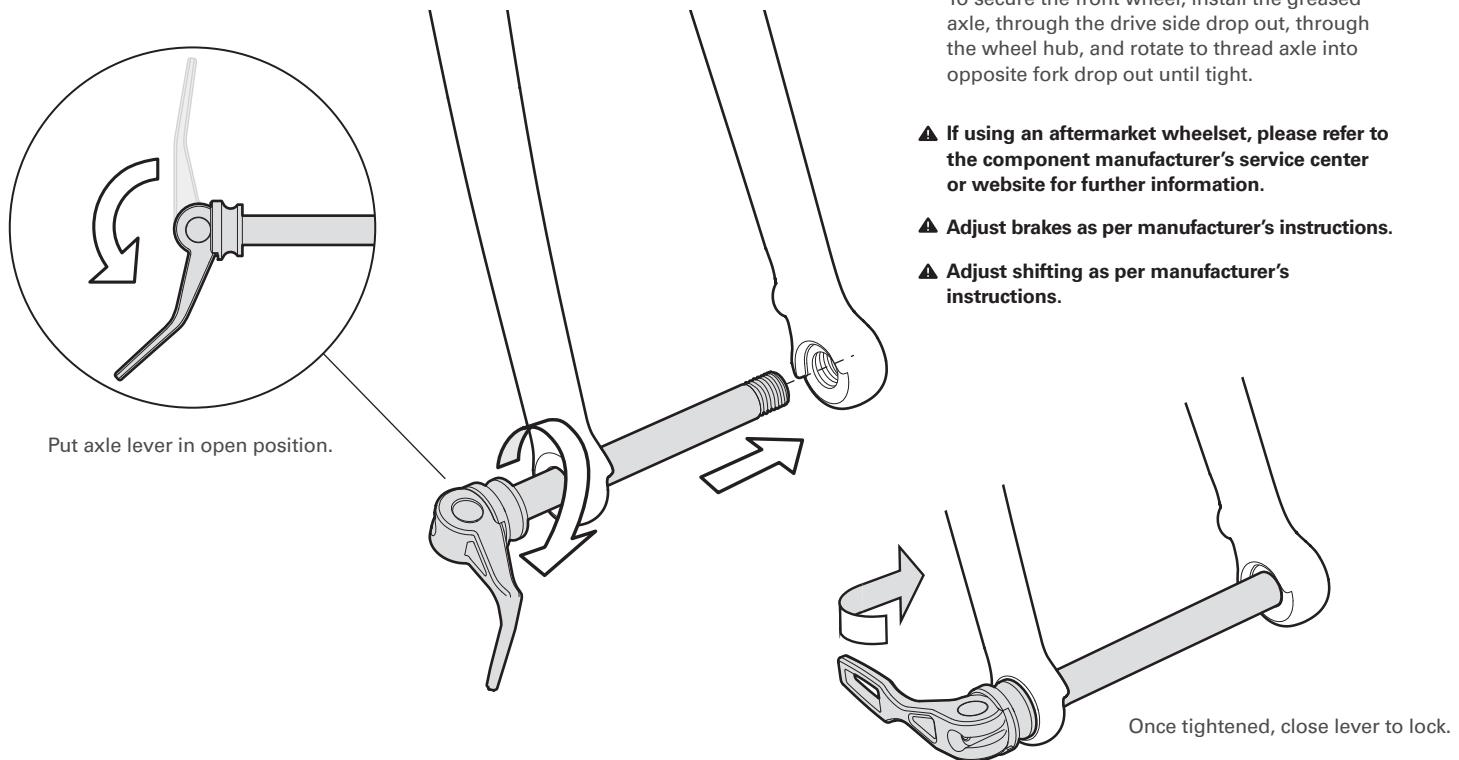


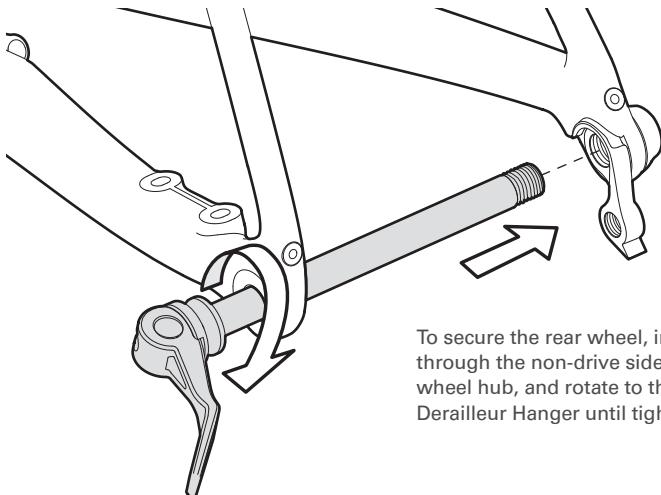
Clean the down tube using isopropyl alcohol. Install the DownTube Guard by removing adhesive backing, and fixing the guard with the two M4 fixing screws.



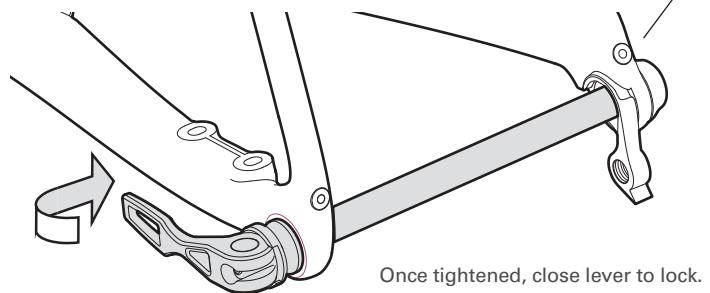
Clean the chain stay using isopropyl alcohol. Install the Chain Stay Guard by removing adhesive backing, and fixing the guard to the frame. The rearward edge should be 24mm from the edge of the rear dropout cable exit.

THROUGH-AXLE WHEEL INSTALLATION

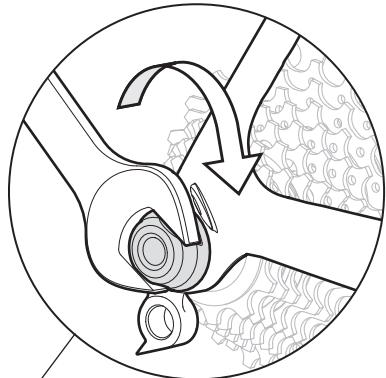




To secure the rear wheel, install the greased axle, through the non-drive side dropout, through the wheel hub, and rotate to thread axle into the Rear Derailleur Hanger until tight.



Once tightened, close lever to lock.



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

cerve