

& ZEROLITE WHEELSET

OWNER'S MANUAL

BEFORE YOU START

Congratulations! You have just purchased the best bicycle wheels available. Vuelta is a worldwide brand recognized for quality, value and performance enjoyed by elite athletes and enthusiasts alike. Years of experience have gone into the design, engineering and manufacture of every Vuelta product, especially when it comes to our wheels.

The quality of every Vuelta and ZeroLite wheel made in our factory depends upon the skill and knowledge of our wheel-building specialists and an elite quality-control team that uses the best equipment available. Each wheel is hand assembled, after which it is then tensioned, de-stressed and checked by hand six times. Finished wheels are inspected three times by an actual human being – because we believe that machines just aren't good enough when it comes to building great wheels.

IMPORTANT PRODUCT INFORMATION

Your new Vuelta or ZeroLite wheels are designed to install on the bicycle they are intended to fit. However, we cannot anticipate all possible model features for all bicycles; see your bicycle owner's manual or Independent Bicycle Dealer to check the compatibility of Vuelta or ZeroLite wheels with your make and model bicycle.

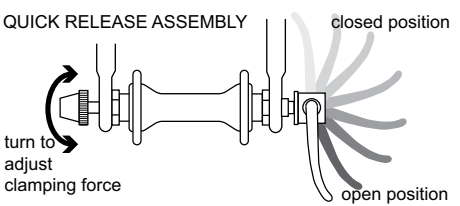
This manual contains important safety, performance and service information. Read it before you take the first ride on your new wheels, and keep it for reference. Pay attention to all Cautions and Warnings in this manual, which are indicated with ⚠.

ATTACHING YOUR WHEELS

Vuelta and ZeroLite road, mountain bike and track wheels are attached in one of three ways in the dropouts on a bicycle's forks and frame:

1. ROAD/MTB QUICK RELEASES

A hollow axle with a shaft (skewer) running through it which has an adjustable tension nut on one end and an over-center cam on the other is called a quick release or QR. When closing a QR lever, it should leave a light impression on the palm of your hand. If QR is too tight, it can overload the wheel bearings. Loosen the adjustment nut on end of QR as needed and close lever.

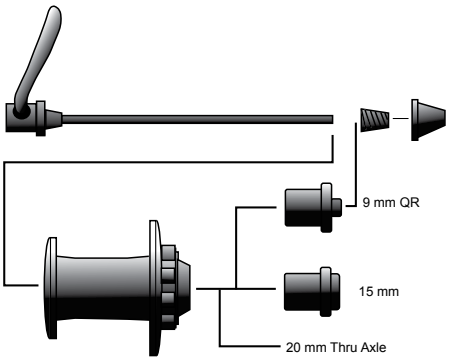


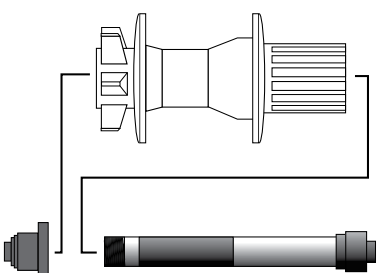
Remove QRs once a month for inspection. Clean any road or trail debris that can cause the QR to bind where the lever moves against the retainer bushing. After cleaning, apply a small amount of lube between the lever and bushing before reinstallation.

2. ALL MOUNTAIN MTB QUICK-CHANGE AXLES

Vuelta All Mountain MTB Wheels feature a quick-change front hub and 12 mm rear axle. Depending on your bike model, the front wheel can be converted quickly with supplied accessory parts to use a 9 mm QR skewer; the 15 mm axle and 20 mm Thru Axle are tightened with a hex key on the forks.

Remove skewer inserts and install supplied inserts to use 15 mm axle. No inserts are needed if your bike has forks with a Thru Axle. See your bicycle owner's manual to determine correct wheel setup.

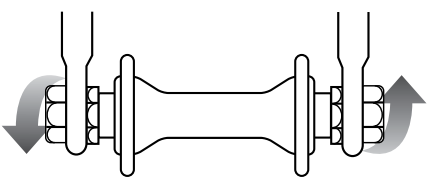




The 12 mm rear axle is secured with a socket bolt at both ends. Use a hex key to loosen the non-drive side bolt, then remove axle from drive side. See your bicycle owner's manual for installation and setup instructions.

3. TRACK WHEELS

Hex nuts which are threaded onto the hub axle and tightened or loosened with a wrench.



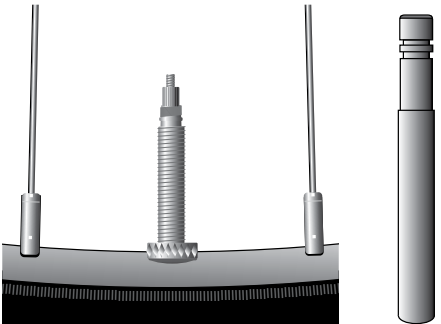
⚠ **WARNING**: Never ride your bike if wheels, axles or QRs are loose or levers are in open position. Never use a skewer with missing springs, bent or broken skewer shaft, or broken or non-working lever.

TIRE MOUNTING/TIRE PRESSURE

All Vuelta and ZeroLite road, MTB and track wheels are designed to use conventional tires and tubes. Non-metallic tire levers designed for bicycle use are recommended, especially Vuelta Corsa Carbon wheels.

⚠**CAUTION:** Using metal levers, screwdrivers or similar tools can damage the tire and tube, and/or the wheel and its finish, or cause a flat or blowout while riding.

All Vuelta and ZeroLite wheel models use Presta valve tubes. All Vuelta Corsa Carbon 50 model wheels require Presta valves of sufficient length, or valve extensions, to enable service.



TIRE SELECTION

All Vuelta and ZeroLite road and track clincher wheels are size 700C and use ISO 622 tires. Vuelta MTB wheels come in two sizes – 26" that use ISO 559 tires, and 29" (700C) that use ISO 622 tires. ZeroLite MTB wheels are 26" only. See information stamped or printed on sidewalls of your tires to make sure they fit your wheels.



Visit your Independent Bicycle Dealer or see your bicycle owner's manual for recommended tire width. Installing wide tires may interfere with handling and operation of your bike and also the function and performance of the wheels, which may result in an accident.

Before installing tires or tubes on your wheels, inspect them for any damage such as tears, punctures, cuts in the tread or sidewall. For clincher tires, inspect the inside for debris that can cause a flat or blowout.

TUBULAR TIRES

Only Vuelta Corsa Carbon 50T and Corsa SuperLite Tubular model wheels use tubular, or sewup, tires. See your Independent Bicycle Dealer for further information in selection, preparation, installation and care of tubular tires.

⚠ **CAUTION** – Use only sewup glue manufactured specifically for use with tubular wheels and tires. Do not use 3M Fast Tack

Automotive Trim Adhesive with any model Vuelta tubular wheel – this voids the Vuelta Limited Wheel Warranty.

CASSETTE INSTALLATION AND REMOVAL

All Vuelta and ZeroLite road and MTB model wheels are compatible with 9-speed Shimano- and SRAM-type cassettes. Compatibility with 10/11-speed Campagnolo-type cassettes is an available option for Vuelta road wheels – except for Corsa/Corsa Pro/Corsa HD. All ZeroLite road wheels are compatible with Shimano-type 10-speed cassettes. Read the cassette manufacturer's instructions for specific preparation and installation information.

A 4.5 – 5 mm spacer is required if using a 7- or 8-speed Shimano cassette. A 1 mm spacer is required if using a 10-speed Shimano cassette.

Use compatible cassette lockring tool for installation and removal; tighten to manufacturer's specifications. Use a chain whip to hold cassette during removal.

BRAKE PADS USE & ADJUSTMENT

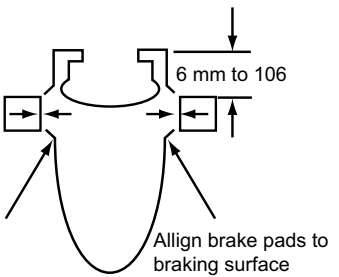
If using rim brakes, brake pads should be centered with braking surface of rim. Adjust brakes with wheel installed on bike. Pads should not be more than 1 mm from top of rim and not contact or rub wheel graphics or tires, which can cause brake failure or accident. Read the brake manufacturer's instructions regarding brake system use and adjustment.

DISC BRAKES

Read your bicycle owner's manual or the disc brake manufacturer's instructions for adjusting and using brake calipers and pads with Vuelta or ZeroLite wheel models that are disc brake only or disc brake-compatible.

CARBON WHEELS

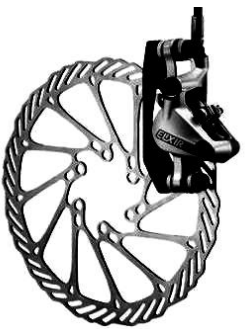
⚠ **CAUTION** – Use only Vuelta brake pads and holders supplied with Corsa Carbon 50C Clincher and Corsa Carbon 50T Tubular wheels, or similar non-abrasive brake pads manufactured for use ONLY with carbon wheels. Brake surface is farther away than normal from top of rim on Vuelta Carbon wheels; adjust brakes with holders to correctly contact braking surface.



⚠ **CAUTION** – Using conventional brake pads on Vuelta Carbon wheels (except Corsa Carbon 50A Alloy, which uses an alloy rim), will cause overheating that will damage wheel and may cause an accident, and also void Vuelta Limited Wheel Warranty.

MOUNTING DISC BRAKES

Vuelta and ZeroLite disc brake-compatible and disc brake-only wheel models feature the universal six-bolt mounting system.



Follow the brake manufacturer's instructions regarding installation and service of brake rotors and brake system. Install rotors with directional arrow visible outside, pointing in wheel's direction of travel. Use correct Allen or Torx wrench specified by manufacturer's instructions to install fasteners and secure rotor.

⚠ **WARNING** – DO NOT ride bicycle if any part of brake system does not work properly. See your Independent Bicycle Dealer if you are unable to install brakes or any part of system yourself.

TRUING YOUR WHEELS

Your new Vuelta or ZeroLite wheels were hand built, hand inspected and hand tested at the factory prior to shipping. Because of the complexity of their design and manufacture, your Independent Bicycle Dealer has the special knowledge and tools required to perform all maintenance and repairs necessary to ensure reliable performance and operation.

⚠ **CAUTION** – Use of improper tools or parts, or incorrect spoke tensioning, can damage wheel or cause an accident while attempting repairs or riding.

WHEEL CARE/MAINTENANCE

Your Vuelta or ZeroLite wheels require regular care and maintenance to ensure the best performance and service life possible. See your bicycle owner's manual or visit your Independent Bicycle Dealer, if you have any questions about care and maintenance.

PERIODIC MAINTENANCE:

Before/after every ride – Inspect wheels, tires for any damage or mechanical issues.

Every month – Remove quick release skewers for inspection, cleaning, lubrication.
Every six months – Inspect alloy freehub for wear or damage; service as needed. Inspect steel freehub for wear and damage; lubricate all surfaces.
Every year – Have wheels inspected and serviced as part of annual/seasonal bike maintenance by Independent Bicycle Dealer.

MAINTENANCE SPECIFICS

⚠ **WARNING – DO NOT** use pressure sprayer or car wash to clean wheels or bicycle. Do not use harsh cleaning products (such as ammonia or ammonium) that can affect appearance or damage wheel surfaces or graphics. Do not use any product that affects appearance or strength of carbon fiber. Hand clean wheels with biodegradable soap and water, immediately followed with rinse and hand drying. Remove any water or moisture inside or on surfaces of wheels. Immediately clean, dry and service wheels and bicycle after riding in rain or mud or after exposure to water, salt spray, snow, dirt/sand. Remove wheels, tires and rim strips for complete cleaning.Remove excess lubricant from braking surfaces or disc rotors. Regularly inspect brake pads and braking surfaces for wear and debris, and service per brake manufacturer's instructions.

VUELTA LIMITED WHEEL WARRANTY

Vuelta and Zerolite wheels are warranted to be free from defects in materials and workmanship for a period of one year from original retail purchase. This excludes and does not cover any wheel components or parts damaged or worn from normal usage (including rim strips, seals, spokes or other consumable items); improper maintenance or repair, or use of wheels in applications,

bicycles or loads they are not designed for. Exclusions from warranty: Any damage from use in any competition, commercial or fleet use. Any damage affecting the cosmetic appearance of wheels. Any damage caused from use of tubeless tire products or kits; aftermarket brake pads, disc brake pads and rotors, aftermarket tires and tubes. Any damage caused by products such as 3M Fast Tack Automotive Trim Adhesive not originally intended for use with tubular (sewup) wheels or tires.

Contact the original retail merchant that you purchased your wheels from for their warranty return policies.

NOTE: Proof of purchase is required.

For questions or information, contact Vuelta Customer Support at sales@vueltausa.com.
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Kemco International, Inc.
12350 Montague ST. Unit "L"
Pacoima, California 91331 U.S.A.
tel:+1 818 686 3466
fax:+1 818 686 3468
email: sales@vueltausa.com
www.vueltausa.com