WHEELSYSTEM USER’S MANUAL

GIANT®
Thank you for selecting GIANT WheelSystems. Following these instructions will ensure that your high quality, innovative WheelSystem will continue to perform at the highest level.

IMPORTANT:
This manual contains important safety, performance and service information. Read it before installing your new wheels or take your first ride, and keep it for future reference.

⚠️ WARNING
- Compliance with the following instructions concerning assembly, handling, maintenance and care of your Giant wheels is essential to provide proper and safe operation. Disregarding these instructions can lead to accidents resulting in serious injuries or even death.
- Giant WheelSystems are designed and intended for use on a bicycle. The wheel or its components cannot be used for any other applications or as a tool or toy, or in any manner other than that described in this User’s Manual. Otherwise, it is at the user’s own risk. If you are not sure the use condition of your WheelSystem, please consult your local Giant authorized retailer for the intended use of the WheelSystem.
- Certain Giant WheelSystems were designed for compatibility with UST* (Universal System Tubeless) tubeless tires or with tires designed specifically for use in a tubeless system.
- Giant WheelSystems were designed for use with non-tubeless tires as well. Please install tire with tube and rim tape according to the ETRTO standard.

BEFORE RIDING
- Ensure that the wheels are compatible and properly installed with your bicycle (built-in dimensions of the frame and fork) and all other parts such as type of brake, skewer, cassette, tire, inner tube, valve and rim tape.
- If the wheel is not assembled correctly or is improperly maintained, it is dangerous and may cause accidents with serious injury. The wheel must be assembled and maintained by a qualified professional bicycle mechanic.
- If you encounter difficulties, or are uncertain about anything identified in this user’s manual, please contact your local Giant authorized retailer.
ASSEMBLY

Using Giant WheelSystems with UST* tubeless tires:

If using a tubeless conversion kit on any Giant WheelSystem product, please refer to the set up instructions provided with that kit or consult a qualified professional bicycle mechanic.

1. If the tire wall of the rim is sealed, make sure that NO rim tape is mounted. If the tire wall of the rim is not sealed, install the appropriate rim tape according to the included instructions.

2. Mount the tubeless valve as shown in the picture (see figure 1 and figure 2). Ensure that the provided o-ring seal is at its correct position (Fig. 1)

3. Attach the lock-ring to the valve and tighten it finger tight (max. 0.5Nm). Do not use any kind of tools to tighten the valve.

4. For non-closed rim with rim-type brake, please use high temperature resistant rim tape and sealant provided by Giant. Contact your Giant dealer for further details.

⚠️ CAUTION: Use only tubeless valves and tires designed specifically for use without an inner tube and mount these according to the manufacturer’s recommendations. GIANT tubeless valves can be purchased from your bicycle retailer. (UST* tires are special tires suitable for the use without inner tubes. *UST is a trademark of Mavic Inc. France)

⚠️ WARNING: Usage of a non-Tubeless tire without an inner tube may result in premature tire failure or rapid air loss.

Using Giant WheelSystems with standard tires, inner tubes and rim tapes:

1. Instead of using the tubeless valve, which can be removed from the rim, only an inner tube with a Presta type valve (small valve, Ø 6.5mm) fits into the valve hole of the Giant rim. Never drill out the valve hole or enlarge it in any other way.

2. Select ETRTO dimension compliant rim tapes, inner tubes and tires with the Giant WheelSystem you have purchased and install them as instructed by the manufacturer. Do not use latex inner tubes as heat generated by braking may damage it.

3. Air pressure: Do not pump more air than pressure limit indicated on the rim surface (see limits labeled on it). Do not pump more air than recommended pressure limit indicated on the tire (see recommendation values on the tire).

4. Mount the Shimano® or SRAM® cassette corresponding to the manufacturer’s recommendations.

⚠️ CAUTION: Use tire levers carefully if they are needed. Please use plastic tire lever with smooth appearance and angle to prevent rim damage. Tools with a sharp edge and improper material of it may damage the rim.
How to install standard tire of Giant WheelSystem:

**Step 1:**
Insert one side of the tire bead fully beneath bottom of the ↑hook (center bottom of the whole rim).

**Step 2:**
Insert the other side of the tire bead beneath bottom of the ↑hook (working from opposite to the valve toward the valve as shown in figure below). Insert beads on both side of the tire within the ↑hook to finish the installation.

Brakes:
**IMPORTANT:** Braking with carbon rims at slow speed may cause a shuddering sensation. Only use Giant recommended brake pads for carbon rims. Other pads may not provide sufficient brake performance and could overheat the rim, causing the carbon fibers to delaminate. Fail to observe this may lead to risks of personal injury and void of your warranty. Consult an authorized GIANT dealer for recommended brake pads.

⚠️ **CAUTION:** Do not use latex inner tubes on carbon rims that can get hot during hard braking, latex tubes do not withstand heat well which can cause a tire to deflate suddenly. Failure to comply with this recommendation can void the warranty and may result in danger. Consult an authorized GIANT dealer for recommended inner tubes.

1. Check the compatibility of the brakes, especially the brake interface of the frame, fork and wheel. Mount the brake set and its components to the manufacturer’s recommendations.
2. The proper rim brake adjustment should be as illustrated in figure 3.1.
3. The compatibility of the rotor to the disc brake system is the 6-bolt brake rotor, as shown in Fig 3.2. Please follow the disc brake manufacturer’s instruction for rotor installation.
4. The compatibility of the rotor to the disc brake system is the center lock rotor, as shown in Fig 3.3. Please follow the disc brake manufacturer’s instruction for rotor installation.

⚠️ **CAUTION:**
- Rims for disc brake wheels are designed for the latter exclusively. Do not install rim brake to disc brake wheel.
- Rims damaged by using non-Giant exclusive brake pad are not covered by your product warranty.
- A rim will wear out with normal use. Regularly check the degree of wear and have the rim replaced as soon as it exhibits any signs that it is worn out or damaged.
- Always brake with both brakes at the same time. Avoid continual hard braking, as the rim will overheat and this may lead to tire or inner tube failure.
- Braking power is also reduced if the rim is wet or if you have new wheels or new brake pads. Please adjust your manner of riding accordingly.
MAINTENANCE & CARE

1. Load limit of your product (the weight of rider + bike + luggage)
   WheelSystems for road bike: 285 lbs / 129kg
   WheelSystems for mountain bike: 300lbs / 136kg
   WheelSystems for E-bike: Consult an authorized GIANT dealer

2. Storing your WheelSystems
   Carbon WheelSystems may be damaged by improper storing. Do not hang displaying and storing your WheelSystems. (Fig4.1)
   The carbon section of hybrid carbon-aluminum WheelSystems is not its main structure, please do not apply external forces on this part as it may be damaged.
   **CAUTION:** You are unable to measure forces in securing tires by tying which may lead to damage to your wheels. Try using bike carrier when moving your bike around. Package your wheels with the proper method and carefully or it may be damaged.

3. Contact a qualified professional bicycle mechanic or your Giant Retailer for all wheel tuning needs. Have the spoke tension and the wheel trueness checked regularly. Spoke tension that is too high or too low can cause high operating loads of the wheel components and could lead to a premature failure caused by material fatigue.

4. Check the wheels regularly for any damage. Do not ride the wheels under any circumstances if there is any damage to the rim or other components of the wheels, e.g. cracks in the rim, broken spokes, and looseness or play in the bearings. If this is the case, contact your Giant Retailer or a qualified professional bicycle mechanic to resolve the problem.

5. Get your bike checked by Giant dealer or qualified bike technician after every accident that may result in damage to your WheelSystems.

6. CLEANING:
   A. Wheels must be cleaned frequently with a soft sponge and a suitable cleaner. Do not use solvents (e.g. acetone, mineral spirits, etc.).
   B. HUB: The front and rear hub must be maintained at least once a year. If used regularly under extreme conditions (e.g. strong rain, mud, transport in rain, etc.) the driver body and star ratchet should be maintained more frequently. Frequent maintenance of the hubs guarantees a longer life span and optimal performance over time. Use of high-pressure water or strong cleaner may inject foreign matters in the hub and should be avoided. Do not use strong solvents. (e.g. acetone, mineral spirits, etc.).
   **CAUTION:** Clean all contaminants and brake pad residue (grit, dirt, oil, etc.) from the brake pad and braking surface (particularly any traces of oil or grease) and check the wear of the brake pads, brake surface of the rim before every ride. Replace worn out brake pad with new one to maintain optimum braking effect.
GIANT LIMITED WARRANTY

Giant warrants its WheelSystems for a period of two (2) years from the date of purchase for the original owner only.

This warranty applies only to this product when purchased new from an Authorized Giant Dealer and assembled by that dealer at the time of purchase.

LIMITED REMEDY

Unless otherwise provided, the sole remedy under the above warranty, or any implied warranty, is limited to the replacement of defective parts with those of equal or greater value at the sole discretion of Giant. This warranty extends from the date of purchase, applies only to the original owner, and is not transferable. In no event shall Giant be responsible for any direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, product liability, or any other theory.

EXCLUSIONS

The above warranty, or any implied warranty, does not cover:
Normal wear and tear on parts in situations where there are no assembly or material defects. Consumable components including tires, inner tubes, rim tapes, steel cables, brake pad, and bearing.
Products serviced by other than an Authorized Giant dealer.
Modifications of the product from its original condition.
Use of this product for abnormal, competition and/or commercial activities or for purposes other than those for which this product was designed.
Damage caused by failing to follow the User’s Manual.
Paint, finish and decal damage resulting from taking part in competitions, jumping, downhill and/or training for such activities or events or as a result of exposing the product to, or operating the product in, severe conditions or climates.
Labor charges for part replacement or changeover.
Except as is provided by this warranty and subject to all additional warranties, Giant and its employees and agents shall not be liable for any loss or damage whatsoever (including incidental and consequential loss or damage caused by negligence or default) arising from or concerning any Giant product.
Giant makes no other warranties, express or implied. All implied warranties, including the warranties of merchantability and fitness for a particular purpose are limited in duration to that of the express warranties stated above.
Any claim against this warranty must be made through an Authorized Giant Dealer or distributor. The purchase receipt or other proof of the date of purchase is required before a warranty claim.
Claims made outside the country of purchase may be subject to fees and additional restrictions. Warranty duration and details may differ by country. This warranty gives you specific legal rights, and you may also have other rights which may vary from place to place. **THIS WARRANTY DOES NOT AFFECT YOUR STATUTORY RIGHTS.**

RIDE LIFE. RIDE GIANT.

SERVICE CENTERS

To find a Giant retailer near you, please visit: [http://www.giant-bicycles.com/](http://www.giant-bicycles.com/)