



## XCR-29 Wheel Instruction Sheet

Nox Composites, LLC  
Knoxville, TN  
1.888.545.1282  
www.noxcomposites.com  
sales@noxcomposites.com

*Thank you for purchasing an XCR-29 wheelset. We hope you'll enjoy riding them as much as we do. We're passionate about what we do and want to make sure that you have the best experience possible with our products, so feel free to contact us at any time if you have questions or problems. We've included some instructions below to help you get tires mounted and the wheels ready to roll.*

## **MOUNTING TIRES**

Tires should fit tightly and snap securely into the bead when inflated. Because of tire manufacturing variations, some tires will be tighter than others. If you are using a tire that is particularly hard to mount by hand, you can use *plastic* tire levers. **Never use metal tire levers, screwdrivers, etc. to mount a tire on a carbon rim.** Using metal tire levers or a screwdriver can cause stress fractures in the carbon! Don't do it! If a tire is particularly tight, try these tips:

- Ensure the tire bead is in the middle of the drop channel
- Use soap and water to help the bead slide over the rim
- Use good plastic tire levers to add leverage (no not use metal!)
- Use a Kool-Stop™ Tire Bead Jack

If the above fails (which should be very rare) then you may have a tire that is simply incompatible with our rims. In this case, the only solution is to use a different tire.

## **TUBELESS SETUP**

**Taping:** Using the right tape is critical! Use only Nox heavy-duty tensilized polypropylene (TPP) tape. **Do NOT use thicker rim tape, duct tape, gorilla tape, packing tape or electrical tape as you will have a difficult time getting the bead to seat or you will have reliability issues.** Apply the tape to a CLEAN and OIL FREE surface. Use denatured alcohol to clean the rim bed if it has residue, oil or old sealant fluid on it. Apply the tape with some tension and ensure that it is centered in the rim. You may find you have to use more pressure to get the tape to stick since tape does not adhere to carbon quite as strong as a smooth aluminum surface. Overlap the tape by a few inches.

**Valve Stem:** Use an awl or other sharp cylindrical instrument to poke a hole for the valve stem. Use a 44mm (or greater) "road" tubeless valve stem available from Nox (these are provided with pre-built wheels) or other suppliers. You can use the standard 35mm length, but the 44mm "road" version makes using a pump head easier.

**Using Tubes:** Our rims are deeper than most mountain bike rims, so *you may find it difficult or impossible to use tubes with short (~32mm) valve stems.* There are mountain tubes available with 44mm valve stems or you can carry a presta valve extender. Just don't let yourself get caught in the woods before you find out you can't inflate your backup tube!

**Sealant:** Any of the major sealants available on the market are compatible with our wheels.

**Helpful Tips:** If you have a tire that is being stubborn to inflate tubeless, try putting a tube in, mounting the tire, airing it up to about 30 psi and letting it sit overnight. This will help smooth out the folds in the tire, which should help with initial sealing. Also try using some soap and water (this can also help with tires that are difficult to mount). If all else fails, an air compressor is invaluable for getting tubeless tires to seal. Air compressors work best when you first remove the presta valve core so you can get maximum air flow.

## **HUB AXLE ADAPTORS**

Most hubs allow you to use adaptors or axle kits to change the axle configuration. We ship our wheels with the adaptors/axle installed that you specified during ordering, but if you need to change this down the road, adaptors are available from Nox or from other retailers. The procedure to change out the axles varies quite a bit, if you have problems finding this information from the hub manufacturer, let us know and we'll try to help you out.

**CONSIDER PHYSICS DEFIED**

## HUB FREEHUB BODY

Most hubs allow you to change the freehub body between 8/9/10sp Shimano/Sram and the newer XD freehub style which supports 11-speed drive trains and allows you to run a wider range of gears. We ship the hubs with the freehub body you specified during ordering, but if you need to change this down the road you can get a new freehub body from Nox or from other retailers. The procedure to change out the freehub body varies quite a bit, if you have problems finding this information from the hub manufacturer, let us know and we'll try to help you out.

## WARRANTY

Nox Composites guarantees its wheels and rims to be free from defects in materials or workmanship for a period of two (2) years from the date of purchase. If Nox Composites determines the product to be defective during this period, we will either repair or replace the product at Nox Composites' discretion. This warranty does not apply to defects caused by negligence, accidents, misuse, incorrect installation, modifications, or normal wear and tear. Cosmetic issues such as decals are excluded from this warranty. This warranty does not apply to parts not manufactured by Nox Composites (ex. hubs, spokes, nipples). For an issue related to these parts, the manufacturer of those parts must be consulted. This warranty is non-transferrable and is only valid for the original owner. Valid proof of purchase is required for a warranty claim.

## CRASH REPLACEMENT PROGRAM

Nox Composites understands that mountain biking is an extreme sport, and from time to time crashes happen that destroy any rim or wheel, no matter how strong it is. We don't want to leave you high and dry if this happens to you, so we offer a crash replacement program for as long as you own the wheels. Just contact us and let us know what happened and we'll work with you to get you back up and running with as little out of pocket expense as possible.

### XCR-29 Rim Specs

<b>Weight Rim</b>	385g
<b>Rim Specs</b>	ERD: 595, ISO: 622 x 23, 29er x 35mm
<b>Max Tension</b>	180 kgf (120 kgf recommended build tension)
<b>Depth</b>	25mm
<b>Asymmetric Offset</b>	2.4mm
<b>Width</b>	31mm External, 23mm Internal
<b>Hole Count</b>	32 or 28
<b>Tubeless Ready</b>	Yes
<b>Finish</b>	Satin Unidirectional Carbon
<b>Decals</b>	Removable/Replaceable Stickers
<b>Warranty</b>	2 years

*Finally, thanks for buying from a small business owned and operated by cyclists! We are passionate about our products and want to ensure that we are always designing and manufacturing things the best way we can. We love to get feedback from customers on what you like and also what you don't like. Please let us know what you think! We depend on our customers to keep us in business, so if you like our products, tell your friends. If you don't, contact us so we can make it right!*



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