

INSTRUCTION GUIDE

ROVAL WHEELS - MOUNTAIN & ROAD

roval

This instruction guide contains important safety, performance and service information. Read it before you take the first ride on your new wheels, and keep it for reference.

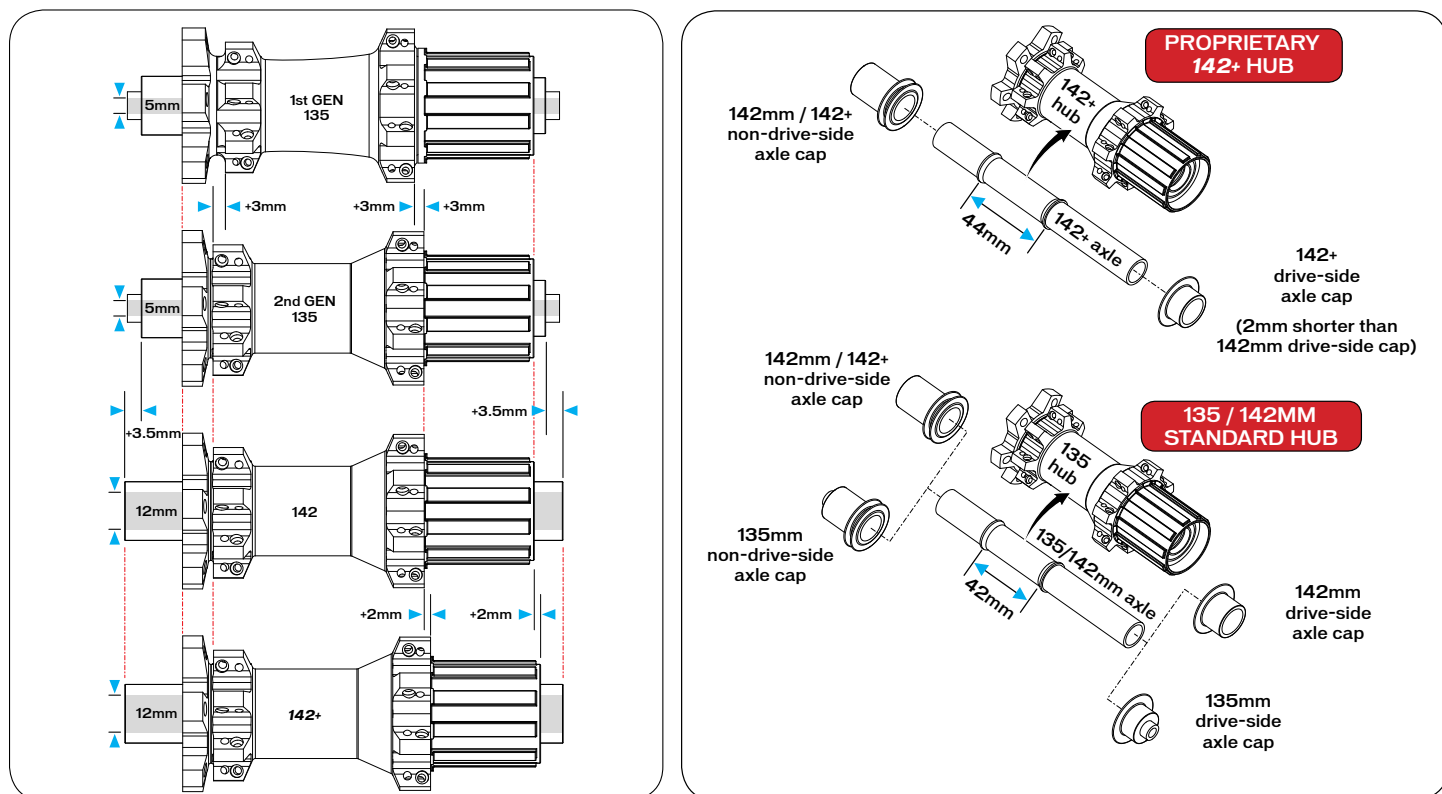
Additional safety, performance and service information for specific components such as suspension or pedals on your bicycle, or for accessories such as helmets or lights that you purchase, may also be available. Make sure that your Authorized Specialized Dealer has given you all the manufacturers' literature that was included with your bicycle or accessories. In case of a conflict between the instructions in this instruction guide, and information provided by a component manufacturer, always follow the component manufacturer's instructions.

If you have any questions or do not understand something, take responsibility for your safety and consult with your Authorized Specialized Dealer or the bicycle's manufacturer.

This manual is not intended as a comprehensive use, service, repair or maintenance manual. Please see your Authorized Specialized Dealer for all service, repairs or maintenance. Your Authorized Specialized Dealer may also be able to refer you to classes, clinics or books on bicycle use, service, repair or maintenance.

⚠ Many of the Warnings and Cautions say "you may lose control and fall." Because any fall can result in serious injury or death, we do not always repeat these warnings. Because it is impossible to anticipate every situation or condition that can occur while riding, this instruction guide 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. This instruction guide should be used in conjunction with the Bicycle Owner's Manual. If you have purchased this product in the aftermarket or separate from the bicycle, go to www.specialized.com and download and read the Bicycle Owner's Manual.

MOUNTAIN HUB SPECIFICATIONS




HUB SPECIFICATION	1ST GEN 135MM	2ND GEN 135MM (142MM COMPATIBLE)	SPECIALIZED 142+
Fits 135mm frames	✓	✓	
Can use 142mm axle conversion kit from DT Swiss		✓	
Fits all 142mm and Specialized 142+ frames		✓	
Only compatible with Specialized 142+ frames			✓
Cannot be converted to 142mm standard hub			✓

BEFORE EVERY RIDE


- Inspect the tires to ensure correct tire pressure. **Maximum tire pressure - ROAD: 130 PSI. MTN CARBON: 45 PSI. MTN ALLOY: 65 PSI.**
- If you have any questions, or if you feel anything about the bike is not as it should be, consult your dealer before you ride again. Refer to the Specialized Bicycle Owner's Manual for more information.

RIM BRAKES, RIMS & PADS

Most brake pads have grooves or wear indicators to show you how much life your pads have left. It's very important to replace the brake shoes when they are worn to the bottom of the indicators.


 **WARNING!** During extended descents, pulse/pump the brakes. Prolonged or continuous use of brakes can cause excessive build-up of heat, which may result in failure of the rim, tire and/or tube. Excessive or exclusive use of the rear brake to control speed on long descents is not recommended. The heat generated by applying the brakes on carbon rims can lead to failure of the tube.

Certain carbon road rims are equipped with a brake surface treatment. As the braking surface breaks in and gradually wears, the carbon finish beneath the braking surface treatment will gradually show through. This does not affect the braking performance of the wheels, and only affects the cosmetics of the wheel itself.

 **WARNING!** For Roval road wheels with carbon braking surfaces, only use brake pads recommended by Roval. Failure to follow this warning may result in a catastrophic failure of the wheel.

RECOMMENDED BRAKE PADS FOR CARBON ROVAL RIMS:

- Roval red pads for carbon rims
- SwissStop Yellow King pads for carbon rims
- SwissStop Black Prince pads for carbon rims

 **WARNING!** Do not use the same brake pads when interchanging between carbon and aluminum rims. Alloy particles may be embedded into the pads, which will damage the carbon surface.

HOOKLESS BEAD

Certain rims are equipped with a hookless tire seating area. If you have any questions about the hookless rim profile and how it functions, please see your Authorized Specialized Dealer. Examine your rims for wear on a regular basis, ideally before each ride.



MAINTENANCE

- For repair requirements (tubeless tire installation, hub maintenance information etc.), consult your Authorized Specialized Dealer.

 **NOTE:** Service parts, including replacement valve stems, rim tape, and brake pads, are available at your Authorized Specialized Dealer or at www.specialized.com.

- Periodically clean carbon brake pads and rim to remove the buildup of carbon particles that results from normal use.

WARNINGS

- Do not use rim brakes on wheels intended for use with disc brakes.
- **DO NOT USE LATEX INNER TUBES WITH CARBON RIMS!** This combination can result in failure of the tubes.
- Do not place carbon rims too close to a vehicle's exhaust. Extended exposure to the heat from a vehicle exhaust can cause the carbon resin to overheat and warp the rim.
- Roval wheels are made to be lightweight, and are not suitable for all riders and all possible uses. The rider (plus cargo) weight limit is 240lb (109Kg). Failure to follow this warning may result in a catastrophic failure of the wheel.
- Proper installation of tubular tires is critical to safety and performance. Specialized recommends that tubular tires be installed by your Authorized Specialized Dealer. For consumer installation, please refer to the tire manufacturer or reputable online resources for proper installation techniques.

WARRANTY

For the complete warranty provisions, please refer to www.specialized.com.

SPECIALIZED BICYCLE COMPONENTS

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