



Giant Reign 2 Wheel Spoke Replacement

This guide demonstrates how to replace a missing or damaged wheel spoke.

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INTRODUCTION

Have you lost or broken a wheel spoke? This guide will show you how to replace it.



TOOLS:

- [8 mm Allen Wrench](#) (1)
- [Tire Levers](#) (2)
- [SW-1 Spoke Wrench](#) (1)
- [4mm Allen Wrench](#) (1)



PARTS:

- [Spoke Nipple](#) (1)
- [250mm Wheel Spoke](#) (1)

Step 1 — Hex Screws



- Using the 4mm Allen wrench, partially unscrew the 4 (22mm) hex screws on the front of the axle casing to allow the axle to slide freely.

Step 2 — Axle Screw



- Using the 8mm Allen wrench, loosen the axle screw until 1/2 of the axle screw is visible.
- Push the axle screw to reveal the axle rod on the other side.

Step 3



- Using the Allen wrench, finish unscrewing the axle screw and pull it out.
- ⚠ Hold the wheel when pulling out the axle rod so that the bike does not fall.

Step 4 — Front Wheel



- Pull the wheel from the fork.

Step 5 — Tire Valve



- Twist and pull off the cap covering the tire valve
- Twist off the spacer that holds the valve in place.
- Push valve in toward wheel to release air pressure.

Step 6 — Tire Rim



- Insert one tire lever between the tire and the rim.
- Push down on the tire lever until the edge of the tire is higher than the edge of the rim.
- Insert a second tire lever next to the first.
- Slowly slide one tire lever around the rim until the tire is released from the rim.

Step 7 — Tire Tube



- Using your hand, pull the tube completely out of the tire.

Step 8 — Brake Rotor



- Use an 8mm Allen wrench to unscrew the 6 (4x10mm) screws on the brake rotor.
- Pull brake rotors off both sides of the wheel.

Step 9 — Tire



- Pull the tire from the rim.

Step 10 — Rim Tape



- Using a tire lever, push the rim tape aside to reveal the spoke nipple.
- Using your fingers, pull off the old spoke nipple.

Step 11 — Wheel Spoke



- Push out the old spoke from the hub.

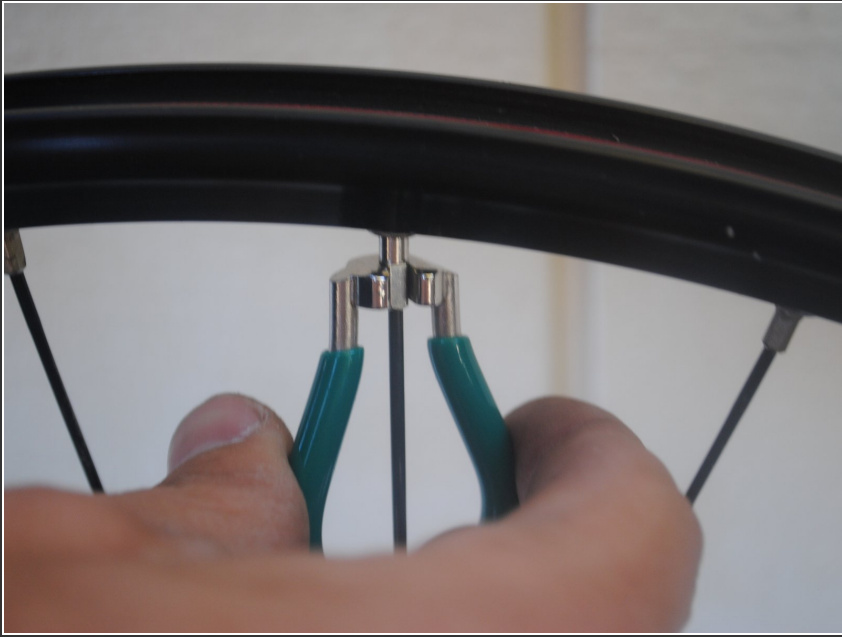
Step 12



- Insert a new 250mm spoke into the hub.
- Align the spoke with the spoke nipple in the rim.
- ⓘ Try to keep the spoke as straight as possible when threading it around the other spokes. Slight bends will be taken out when it is tightened.

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Step 13



- Using an SW-1 spoke wrench, tighten the spoke.

To reassemble your device, follow these instructions in reverse order.