



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



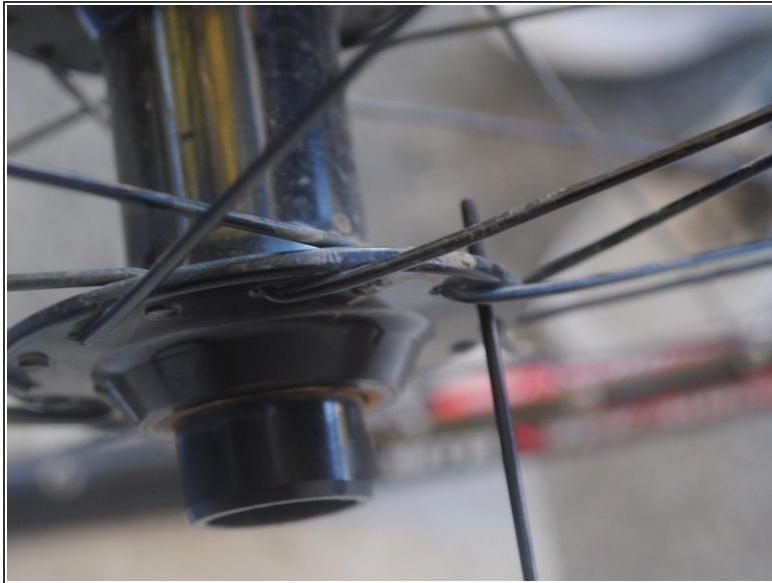
- Using a tire lever, push the rim tape aside to reveal the spoke nipple.
- Using your fingers, pull off the old spoke nipple.

Step 11 — Wheel Spoke



- Push out the old spoke from the hub.

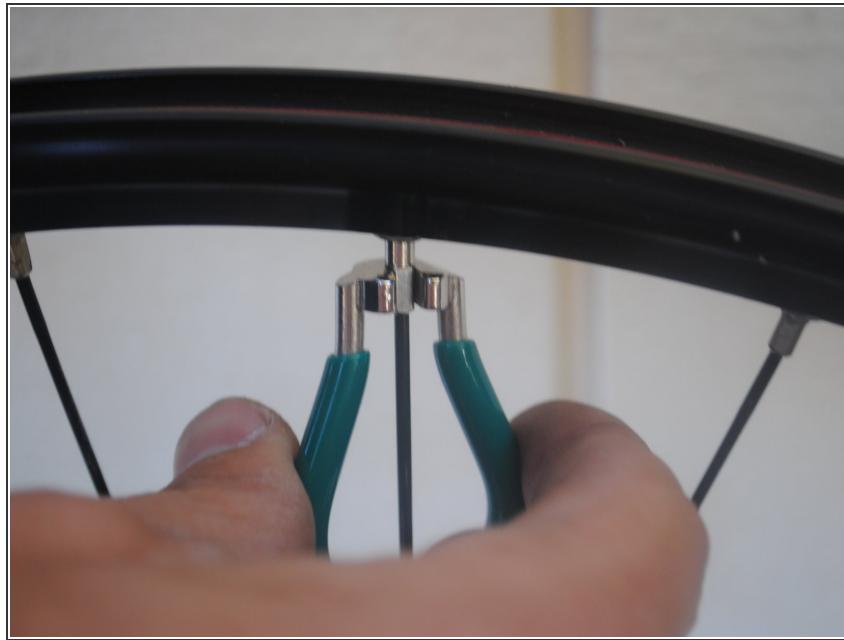
Step 12



- Insert a new 250mm spoke into the hub.
- Align the spoke with the spoke nipple in the rim.

(i) 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.

Step 13



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

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