



the GEN 2 Wheelchair Tire Replacement

Flat tires can make it difficult to move your wheelchair so sometimes replacing the tire tube is necessary if it has been patched more than 3 times or is not repairable.

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INTRODUCTION

This guide shows how to remove and replace an inner tube of a tire. This process may difficult he first time it is attempted.



TOOLS:

- [19 mm wrench](#) (1)
- [Socket 19mm](#) (1)



PARTS:

- [26" x 2.35" bike tube](#) (1)

Step 1 — Tire Inner Tube



- Remove the flat tire by loosening and removing the axle nut with a 19 mm wrench.
- Unscrew the axle bolt with a 19 mm socket wrench.
- Remove the axle bolt from hole and remove the wheel from the wheelchair.

Step 2



- Insert the 19 mm socket wrench between the rubber tire and the metal frame.
- ⓘ Any rigid flat object will do for this step.
- Carefully run the 19 mm socket wrench along the edge of the tire all the way around and bend the wrench down to pop the tire out of the rim.
- ⚠ When undoing the tire, be careful using the back of the wrench because the tool can damage the tire tube and or wheel frame.
- Reach inside the tire and remove the tube from the metal frame.
- ⚠ Carefully feed the air valve through the hole in the rim before removing, or you could tear a larger hole in the tire.

Step 3



- Reach inside the tire and remove the tube from the metal frame.

Step 4



- ⓘ Before replacing the tube, feel along the tire to check for and remove any objects stuck in the tire.
- ★ Line up the air valve on the new (partially deflated) tube with the hole on the metal frame.
- Working all around the tire, carefully push the tube back into place inside the tire.
- Finally, push the tire back into place on the metal frame and inflate the tire.
- ⓘ The tire should be inflated to 50 psi and very hard.

Step 5



- Insert the axle bolt into center of rear wheel.
- Insert the wheel with the axle bolt into the lower back of the frame.

Step 6



- Screw the bolt on the outside of the wheel with a 19 mm socket wrench.
- Screw the nut on the inside of the wheel with a 19 mm wrench.

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