



# How to Use a CO2 Cartridge to Re-Inflate the Rear Wheel of a Road Bike

This guide will teach a user how to use a CO2 Cartridge to fill up their tire without the need of a pump.

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## INTRODUCTION

Do you have a flat tire, but don't have the time nor the strength to fill up your tires with a standard pump? Using a CO2 Cartridge is a quick and easy way to re-inflate your tires without much work compared to pumping tires full of air.

### TOOLS:

- CO2 Cartridge (1)
- Park Tool TL-1 Tire Lever Set (1)  
*This guide uses just one, but three is ideal.*
- Replacement Inner Tube 700x25c (1)

## Step 1 — How to Use a CO2 Cartridge to Re-Inflate the Rear Wheel of a Road Bike



- ➊ Removing the rear wheel of a road bike, generally, is quite easy, but it can be messy if the bike chain has excessive grease.
- Figure out which tire is flat. In this case, the rear wheel is flat.

## Step 2



- Disengage the brakes.
- This will allow the wheel to slide out smoother.

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## Step 3



- To easily remove the rear wheel, flip the bike upside down so that it's sitting on the handle bars and seat.

## Step 4



- Disengage the quick-release lever to loosen the wheel.
- Turn the quick-release lever a few times while you hold the cap on the opposite side of the wheel.

***(i)*** Don't unscrew the lever or cap too much or else a spring will pop out.

- If the spring comes out, place the spring back on the bar and tighten the cap or lever.

## Step 5



- Pull the wheel out.
- Pull the rear shifter into a straight line so the wheel will be able to slide out smoothly.
- Pull out the wheel with one hand while you hold the rear shifter.

**i** Be cautious with the rear shifter.

## Step 6



- Now that the rear wheel is off the bike, use the tire lever to get under the tire.
- Once the tire lever is under the tire, bring it around the rim of the wheel slowly sliding the tire off wheel.

**i** Ideally, three tire levers are used to get the tire off. However, one tire lever has proven to be sufficient.

## Step 7



- Pull out the inner tube.
- *(i)* The valve should be the last thing that is pulled out from the wheel.

## Step 8



- Replace inner tube or patch the hole if necessary.

## Step 9



- Place the inner tube back inside the tire.
- Put the valve into the hole first, then bring the inner tube around the rim of the wheel.
- Using the tire lever, pry the tire back onto the wheel.

## Step 10



- Now that the tire is back on the wheel, screw the adapter onto the CO2 cartridge and place it on the valve.

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## Step 11



- Press the CO2 cartridge towards the rim of the wheel.

 The inner tube inflates quickly, so hold the CO2 cartridge for a short period of time.

 The valve might freeze while doing this, but this is normal

## Step 12



- Fit the wheel back onto the bike.
- Pull the rear shifter into a straight line and place the gears underneath the chain to slide into place.

## Step 13



- Tighten the quick-release lever and close it.
- Twist the lever as you hold the cap on the opposite side as tight as possible.
- Re-engage the brakes.
- Turn the grey lever downwards on the brake, such as in step 2.

## Step 14



- Pedal a little while the bike is lifted slightly off the ground to move the chain back into place.
- *i* The chain was placed on a different chain ring when the rear tire was pulled out, so it needs to readjust.

Once you're able to place the tire back in place and inflate the tire using the CO2 Cartridge, you're ready to keep riding!