



# 1982 Schwinn World Sport Bicycle Rear Wheel Tube Replacement

If you find yourself having to constantly pump...

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# INTRODUCTION

If you find yourself having to constantly pump air into the rear tire on your 1982 Schwinn World Sport, then this guide is for you.

The tubing on a bike wheel is not visible on the outside of the bike and surrounds the tire rubber visible on the outside of the bike.

When the tubing is punctured, this will often lead to very low tires or could even cause the tubing to explode. Replacing the tubing on this vintage bike is slightly more difficult than modern bikes because this bike uses nuts rather than a quick-release lever.

Before starting this guide, be sure to inspect and remove any objects that may have punctured your tires such as glass, nails, rocks, etc.



## TOOLS:

[Tire Levers](#) (1)

[27"x 1.25" Bike Tire Tube](#) (1)

[Bike Tire Pump](#) (1)

[Hammer](#) (1)

[15mm wrench](#) (1)

[Towel](#) (1)

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## Step 1 — Tire Tube



- Shift the bike into the smallest gear.
  - ① Move the gear levers up to the highest position.
- Move the bike pedals forward with your hands or ride the bike to make sure the gears change.
  - ① The bike should make a clicking noise and the chain should shift to the smallest gear.
  - ① Make sure that the chain has a lot of slack.

## Step 2



- Place the bike upside down.
  - ① Placing the bike upside down is important when doing maintenance on a bike because it keeps the bike stable and easy to work with.

### Step 3



**⚠ Potential for device damage:** When the tire is removed **DO NOT** engage the brakes because they can become stuck together.

**⚠ Caution:** When feeding the chain, be sure not to get your fingers caught between the gears.

- Remove the nuts and bolts.
  - ① If you are having trouble loosening the nuts, use a rag to move the 15mm wrench.
- Feed the chain by rotating the wheel and move the chain away from the gear.
- Pull out the back wheel and make sure the chain remains attached to the frame of the bike.

### Step 4



- Unscrew the tire valve.
- Push down with the end of the tire lever to deflate the tire.
- ① Deflating the tire makes it significantly easier to remove the tubing later.



## Step 5



- Loosen the tire using a tire lever.
  - ⓘ If your tires are in bad condition, small fragments of rubber may fall out of the rims.
- Push the tire lever into the crease of where the metal meets the rubber of the tire.
- Push the lever along the crease of the tire.

## Step 6



- Place the wheel on a small rag to prevent scratching the rims.
- Pull out the tubing.
  - ① Depending on the condition of your bike, the tubing may be difficult to pull out at first.
- Remove the valve from the rim by pushing it down into the hole.
- Remove the tubing.

## Step 7



- Place the new tube over the bike rims.
  - ⓘ You should be able to easily insert the deflated tubing back into the creases of the tire.
- Look for the small hole in the rims.
- Insert the valve.
- Insert the rest of the tubing.
- Tuck the tires back into the rims.
  - ⓘ If you're having trouble tucking the tire back in, try using the tire lever to tuck the tires back into place.



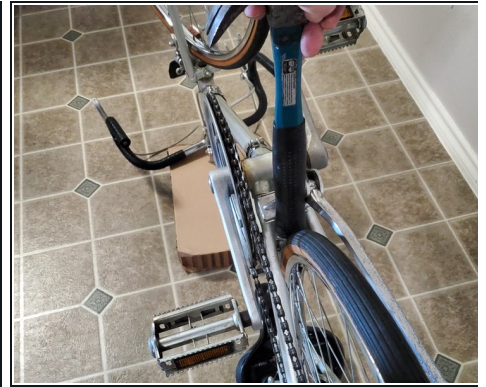
## Step 8



- Inflate the new tire.
- ① Inflating the new tire before placing it back on the wheel is important. It makes imperfections visible and easily correctable.
- Insert the end of the bicycle pump into the valve of the new tire valve.
- Lock the pump into place using the lever at the end of the pump.
- Pump the tire until the pump reads roughly 75 psi.



## Step 9



- Attach the back wheel onto the bike.
  - ① This step is vital because the wheel could fall off if not properly attached. The tire and frame may also grind together and damage the tire.
- Feed the chain back onto the pedal gear and the back-wheel gears.
- Straighten out the tire with the blunt end of the hammer.
- Tighten the nuts and washers using the 15mm sprocket wrench on one side and the 15mm wrench on the other.
  - ① Tightening both bolts at the same time ensures that the tire is straight.

## Step 10



- Flip the bike back over.
- Congratulations, you've successfully replaced the tubing!