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SCHWALBE SV17

Schwalbe SV17 Inner Tubes: Installation and Care Manual

Brand: SCHWALBE | Model: SV17

INTRODUCTION

The Schwalbe SV17 Inner Tubes are designed for a wide range of bicycles, offering reliable performance for touring, trekking, cross, and mountain bikes. These tubes are compatible with 28-inch and 27-inch tires, specifically fitting widths from 28mm to 45mm (700 x 28-45c). Proper installation and regular maintenance are crucial for ensuring the longevity and optimal performance of your inner tubes.

SETUP: INSTALLATION GUIDE

Follow these steps for correct installation of your Schwalbe SV17 inner tube:

Tools Required:

- Tire levers
- Bicycle pump with Presta valve compatibility
- New Schwalbe SV17 inner tube

Installation Steps:

1. **Remove Wheel:** Carefully detach the wheel from your bicycle frame.
2. **Deflate and Remove Tire:** If replacing an old tube, fully deflate it. Use tire levers to gently pry one bead of the tire off the rim. Once one side is off, you can remove the old inner tube.
3. **Inspect Tire and Rim:** Thoroughly check the inside of the tire casing for any sharp objects (thorns, glass, metal shards) that may have caused a puncture. Also, inspect the rim strip to ensure it is intact and covers the spoke holes completely. Remove any foreign objects or repair the rim strip if damaged.
4. **Prepare New Tube:** Inflate the new Schwalbe SV17 inner tube slightly, just enough to give it a round shape. This prevents the tube from getting pinched during installation.
5. **Insert Valve:** Insert the Presta valve of the new tube through the valve hole in the rim. Secure it lightly with the valve nut, but do not fully tighten it yet.
6. **Insert Tube into Tire:** Carefully tuck the slightly inflated inner tube inside the tire casing, working your way around the rim. Ensure the tube is not twisted.
7. **Seat Tire Bead:** Starting opposite the valve, work the second tire bead back onto the rim. Use your thumbs

or tire levers if necessary, being careful not to pinch the inner tube. Double-check that no part of the tube is caught between the tire bead and the rim.

- Initial Inflation:** Inflate the tube to a low pressure (approximately 10-15 PSI). Rotate the wheel and visually inspect the tire to ensure it is evenly seated on the rim. Adjust the tire's position if any part appears uneven.
- Final Inflation:** Inflate the tire to the recommended pressure range indicated on the tire's sidewall. Do not exceed the maximum pressure.
- Important Valve Note:** After inflation, ensure the nut holding the Presta valve core is securely tightened. A loose valve core can lead to slow air leaks.



Image: A Schwalbe SV17 inner tube, showcasing its design and the Presta valve. This image illustrates the product before installation.

OPERATION: MAINTAINING TIRE PRESSURE

Maintaining correct tire pressure is essential for ride comfort, safety, and preventing punctures. Always check your tire pressure before each ride using a reliable pressure gauge.

- Refer to the recommended pressure range printed on the sidewall of your bicycle tire.
- Under-inflation can lead to pinch flats (snakebite punctures) and increased rolling resistance.
- Over-inflation can result in a harsh ride, reduced grip, and an increased risk of tire or tube failure.

MAINTENANCE

Regular inspection and simple maintenance can significantly extend the life of your inner tubes and prevent unexpected issues.

- **Periodic Inspection:** Regularly inspect your tires and tubes for any signs of wear, cuts, or embedded debris. Remove any foreign objects promptly.
- **Valve Care:** Keep the Presta valve stem and cap clean to prevent dirt and moisture from entering the valve mechanism. Ensure the valve cap is always in place when not inflating.
- **Storage:** If storing spare tubes, keep them in a cool, dry place away from direct sunlight and ozone-producing devices (like electric motors) to prevent rubber degradation.

TROUBLESHOOTING

Here are solutions to common issues you might encounter with your inner tubes:

- **Frequent Flats:**
 - **Cause:** Embedded objects in the tire, damaged rim strip, pinch flats from under-inflation, or improper installation.
 - **Solution:** Thoroughly inspect the tire casing for sharp objects. Check the rim strip for tears or misalignment. Ensure tires are inflated to the recommended pressure. Re-install the tube carefully, ensuring it is not pinched.
- **Slow Air Leaks:**
 - **Cause:** Loose Presta valve core, very small puncture, or porous rubber.
 - **Solution:** Tighten the Presta valve core using a valve core tool or small pliers. Inflate the tube and submerge it in water to locate tiny bubbles indicating a leak. Patch small punctures or replace the tube if necessary.
- **Difficulty Inflating / Air Escaping from Valve:**
 - **Cause:** Valve core not fully open, debris in the valve, or a faulty valve core.
 - **Solution:** Ensure the Presta valve stem is fully unscrewed before attaching the pump. Press the valve stem briefly to release a small amount of air and clear any debris. If the issue persists, the valve core may need to be replaced.

SPECIFICATIONS

Brand	SCHWALBE
Model	SV17
Valve Type	Presta
Valve Length	40 Millimeters
Material	Rubber
Wheel Size Compatibility	28 Inches (also compatible with 27 Inches)

Compatible Tire Width Minimum	38 Millimeters (approx. 1.5 Inches)
Compatible Tire Width Maximum	44.45 Millimeters (approx. 1.75 Inches)
Item Weight	0.76 Pounds (per tube, approximate)
ETRTO Compatibility	32-630 (27x1 1/4), 40-609 (27x1 1/2), 47-622 (28x1.75, 700x45C), 40-635 (28x1 1/2, 700x38B), 32-622 (28x1.25, 700x32C), 33-622 (28x1.30, 700x33C), 35-622 (28x1.35, 700x35C), 28-622 (28x1 5/8x1 1/8, 700x28C), 30-622 (28x1.20, 700x30C), 37-622 (28x1 5/8x1 3/8, 700x35C), 40-622 (28x1.50, 700x38C), 42-622 (28x1.60, 700x40C)

WARRANTY INFORMATION

Schwalbe products are manufactured to high-quality standards. For specific warranty details regarding your SV17 inner tubes, please refer to the official Schwalbe website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

Should you have any questions, require assistance with installation, or need further information about your Schwalbe SV17 inner tubes, please visit the official Schwalbe website for support resources, FAQs, and contact information. You can also reach out to the retailer where you purchased the product.