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amavoler Lc105

amavoler PVR70 45-Degree Angled Tire Valve Stem Instruction Manual

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the amavoler PVR70 45-Degree Angled Tire Valve Stem. This product is designed for use with tubeless rims on a variety of vehicles, including 50cc to 150cc scooters, motorcycles, mopeds, kids' Kazuma Quads, 110cc to 125cc ATVs, lawnmowers, and go-karts. Adhering to these guidelines will ensure optimal performance and longevity of your valve stems.

Product Overview

The amavoler PVR70 tire valve stem features a durable 45-degree bent design, crafted from a brass stem and a robust rubber base. Each valve stem includes a protective safety cap. This design facilitates easier access for tire inflation and pressure checks, particularly on smaller wheels or those with limited clearance.



Image: The amavoler PVR70 45-Degree Angled Tire Valve Stem, showcasing its bent design and construction.

The valve stem is universally compatible with most tubeless rims that utilize American standard tire valves. Its construction ensures a reliable seal for maintaining tire pressure.



Image: Detailed view of the PVR70 valve stem, highlighting the brass stem and rubber base components.

Setup (Installation)

Proper installation of tire valve stems is crucial for safety and tire performance. If you are not experienced with tire maintenance, it is highly recommended to seek professional assistance for installation.

Required Tools:

- Valve stem puller tool (recommended)
- Soapy water solution
- Tire pressure gauge

Installation Steps:

1. **Deflate Tire:** Completely deflate the tire by removing the valve core from the old valve stem.
2. **Remove Old Valve Stem:** Carefully remove the old valve stem from the rim. A valve stem puller tool can assist in this process.
3. **Clean Rim Hole:** Thoroughly clean the valve stem hole on the rim to remove any debris, rust, or old rubber residue. A clean surface ensures a proper seal.
4. **Lubricate New Valve Stem:** Apply a small amount of soapy water or tire mounting lubricant to the rubber base of the new amavoler PVR70 valve stem. This aids in smooth insertion and seating.
5. **Insert Valve Stem:** From the inside of the rim, insert the brass stem through the valve stem hole. Use a valve stem puller tool to gently pull the stem through until the rubber base is firmly seated against the rim. Ensure the valve stem is straight and not twisted.

6. **Check Seating:** Verify that the rubber base of the valve stem is fully and evenly seated against both sides of the rim hole, creating an airtight seal.
7. **Re-inflate Tire:** Reinstall the valve core and inflate the tire to the vehicle manufacturer's recommended pressure.
8. **Leak Test:** Apply soapy water around the base of the new valve stem. If bubbles appear, there is a leak. Recheck seating or replace the valve stem if necessary.



Image: Side profile of the PVR70 valve stem, illustrating its 45-degree angle, useful for guiding installation.

Operating (Usage)

The amavoler PVR70 valve stem functions as a standard tire valve for inflation and deflation.

Inflation:

1. Unscrew and remove the safety cap from the valve stem.
2. Attach an air pump nozzle securely to the valve stem.
3. Inflate the tire to the pressure specified by your vehicle manufacturer. Do not overinflate.
4. Remove the air pump nozzle.
5. Replace the safety cap firmly to protect the valve core from dirt, moisture, and potential damage.

Deflation:

1. Unscrew and remove the safety cap.
2. Use a small tool (e.g., the back of a valve cap or a specialized valve core tool) to depress the pin in the center of the valve core.
3. Hold the pin down until the desired amount of air has been released.
4. Release the pin and replace the safety cap.

Maintenance

Regular maintenance ensures the longevity and safe operation of your tire valve stems.

- **Visual Inspection:** Periodically inspect the rubber base of the valve stem for any signs of cracking, perishing, or damage. Check the brass stem for bends or corrosion.
- **Cap Security:** Always ensure the safety cap is securely tightened on the valve stem. The cap prevents dirt and moisture from entering the valve core, which can cause leaks or corrosion.
- **Leak Checks:** If you suspect a slow leak, perform a soapy water test around the valve stem. If bubbles appear, the valve stem may need to be replaced or the valve core tightened.
- **Replacement:** Valve stems are wear items. It is generally recommended to replace valve stems whenever new tires are installed, as rubber components can degrade over time due to exposure to elements and stress.

Troubleshooting

Common issues related to tire valve stems and their potential solutions:

- **Air Leak at Valve Stem Base:**
  Possible Cause: Improper seating during installation, damaged rubber base, or rim damage.
  Solution: Recheck installation, ensure the rubber base is fully seated. If the valve stem is damaged, replace it. Inspect the rim hole for burrs or damage.

- **Air Leak from Valve Core:**
  Possible Cause: Loose valve core or damaged valve core.
  Solution: Tighten the valve core using a valve core tool. If the leak persists, replace the valve core.
- **Difficulty Inflating/Deflating:**
  Possible Cause: Obstructed valve core or damaged valve core.
  Solution: Remove the valve core and inspect for debris or damage. Clean or replace the valve core as needed.
- **Valve Stem Bending/Breaking:**
  Possible Cause: Impact damage, excessive force during inflation, or material fatigue.
  Solution: Replace the valve stem immediately. Avoid applying excessive force when attaching air hoses.

For persistent issues or concerns, consult a qualified tire technician.

Specifications

Brand	amavoler
Model	PVR70 (Manufacturer Part Number: Lc105)
Construction Material	Brass Stem, Rubber Base
Angle	45 Degree Bent
Automotive Fit Type	Universal Fit
Approximate Dimensions (Refer to image for details)	Rubber Base Diameter: 20mm Stem Diameter: 10mm Base Insertion Diameter: 15mm Overall Bent Length: Approximately 50mm
UPC	749350504836



Image: Technical drawing showing the key dimensions of the PVR70 valve stem, including lengths and diameters.

Warranty and Support

For product support, warranty inquiries, or to report any issues, please contact amavoler customer service through your original point of purchase. Please retain your purchase receipt as proof of purchase for any warranty claims.

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