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> Pico 5161PT 1/8" ID Vacuum Line Tubing 6' Per Package Instruction Manual

**Pico 5161PT**

# Pico 5161PT 1/8" ID Vacuum Line Tubing Instruction Manual

Model: 5161PT

## INTRODUCTION

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The Pico 5161PT 1/8" ID Vacuum Line Tubing is designed for various automotive applications. This tubing is engineered to withstand challenging conditions, including exposure to heat, washer solutions, oil, and grease. It is suitable for use in windshield washer systems, vacuum-operated accessories, and emission control applications. This manual provides essential information for the proper handling, installation, and maintenance of your Pico 5161PT tubing.



An image showing the black Pico 5161PT 1/8 inch ID Vacuum Line Tubing, coiled or packaged, highlighting its appearance and length.

## SETUP AND INSTALLATION

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This section outlines general guidelines for installing the Pico 5161PT vacuum line tubing. Always ensure the vehicle's engine is off and cool before beginning any work.

1. **Preparation:** Identify the section of tubing that needs replacement or the new connection point. Ensure the area is clean and free from debris.
2. **Cutting:** Measure the required length of tubing. Use a sharp utility knife or hose cutter to make clean, straight cuts. Avoid crushing or deforming the tubing during cutting to ensure a proper seal.
3. **Connection:** Carefully push the tubing onto the appropriate 1/8" ID fittings. Ensure a snug fit to prevent leaks. For vacuum applications, a tight seal is critical for proper system function.
4. **Routing:** Route the new tubing away from hot engine components, sharp edges, and moving parts to prevent damage. Secure the tubing with appropriate clips or ties if necessary to prevent chafing or kinking.
5. **Verification:** After installation, visually inspect all connections for proper seating. For vacuum systems, start the engine and check for any audible leaks or system malfunctions.

This tubing is specifically designed for 1/8" ID connections. Using it with fittings of different sizes may result in poor performance or leaks.

## OPERATING CONDITIONS

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The Pico 5161PT tubing is a passive component designed to function within specific environmental parameters. Its operational integrity is maintained under the following conditions:

- **Temperature Range:** The tubing is rated for an operating temperature range of -40°F to 212°F (-40°C to 100°C).
- **Chemical Resistance:** It is formulated to withstand exposure to common automotive fluids such as washer solutions, oil, and grease.
- **Applications:** This tubing is suitable for low-pressure vacuum lines, windshield washer fluid delivery, and emission control system connections. It is not intended for high-pressure fuel lines or brake lines.

Ensure that the tubing is not subjected to conditions outside these specifications to maintain its performance and longevity.

## MAINTENANCE

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Regular inspection and proper maintenance will help ensure the longevity and reliable performance of your Pico 5161PT vacuum line tubing.

- **Visual Inspection:** Periodically inspect the tubing for any signs of wear, cracks, kinks, hardening, or softening. Pay close attention to areas near connections and points where the tubing might rub against other components.
- **Cleaning:** If the tubing becomes dirty, wipe it clean with a damp cloth. Avoid using harsh chemical cleaners that may degrade the material.
- **Leak Detection:** For vacuum lines, listen for hissing sounds or use a smoke machine to detect leaks. For washer fluid lines, check for visible drips or wet spots.
- **Replacement:** Replace any tubing that shows signs of damage, degradation, or leakage immediately to prevent system malfunctions.

## TROUBLESHOOTING

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If you encounter issues with your vacuum or washer system after installing the Pico 5161PT tubing, consider the following troubleshooting steps:

- **System Malfunction (Vacuum):** If a vacuum-operated accessory is not functioning correctly, check all tubing connections for tightness. A loose connection or a crack in the tubing can cause a vacuum leak. Ensure the tubing is not kinked, which can restrict airflow.
- **Fluid Leakage (Washer):** If washer fluid is leaking, inspect the tubing for cuts, punctures, or loose connections at the nozzles or pump. Ensure hose clamps (if used) are secure.
- **Improper Fit:** If the tubing does not fit snugly onto a 1/8" ID fitting, verify that the fitting itself is indeed 1/8" OD. This tubing is specifically designed for 1/8" internal diameter.
- **Restricted Flow:** Check for any blockages within the tubing, especially if it has been exposed to extreme temperatures or contaminants.

If problems persist after performing these checks, consult a qualified automotive technician.

## SPECIFICATIONS

<b>Brand</b>	Pico
<b>Model Number</b>	5161PT
<b>Material</b>	Plastic
<b>Color</b>	Black
<b>Internal Diameter (ID)</b>	1/8 inch
<b>Nominal Wall Thickness</b>	0.125 inch
<b>Item Length</b>	6 Feet
<b>Item Weight</b>	3.2 ounces
<b>Operating Temperature</b>	-40°F to 212°F (-40°C to 100°C)
<b>Manufacturer</b>	Pacific Industrial Components

## WARRANTY AND SUPPORT

For specific warranty information regarding the Pico 5161PT 1/8" ID Vacuum Line Tubing, please refer to the documentation provided at the time of purchase or contact Pico directly. Warranty terms typically cover manufacturing defects.

For technical assistance, product inquiries, or to report any issues, please contact Pico customer support. Contact details can usually be found on the manufacturer's official website or product packaging.