

## Hunter 05-17200

# Hunter PGP 05-17200 Rotor Nozzle Adjustment Tool User Manual

Model: 05-17200

## 1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of the Hunter PGP 05-17200 Rotor Nozzle Adjustment Tool. This tool is designed to facilitate precise adjustments of arc and radius settings on various Hunter rotor and spray head models, ensuring optimal irrigation performance.

The Hunter 05-17200 Rotor Nozzle Adjustment Tool is specifically designed for use with Hunter PGP, PGH, PGM, I-20, I-25, I-40, I-60 series rotors and PS model spray heads.



Figure 1: Two Hunter PGP 05-17200 Rotor Nozzle Adjustment Tools. These white plastic tools feature a central shaft with

a key-like end for engaging the sprinkler mechanism and two finger loops for grip.

## 2. SETUP

The Hunter PGP 05-17200 Rotor Nozzle Adjustment Tool requires no assembly. It is ready for immediate use upon removal from its packaging.

Before making adjustments, ensure the sprinkler system is active and the specific rotor or spray head requiring adjustment is operating. This allows for visual confirmation of the spray pattern and arc.

## 3. OPERATING INSTRUCTIONS

The adjustment tool is used to modify the arc (the degree of rotation) and radius (the distance of water throw) of compatible Hunter sprinkler heads.

### 3.1. Identifying Adjustment Points

Hunter rotors typically have two main adjustment points: one for arc adjustment and one for radius adjustment. Consult your specific Hunter rotor or spray head manual for the exact location of these points. The adjustment tool is designed to engage these specific slots or screws.



Figure 2: The Hunter adjustment tool being inserted into the top of a sprinkler head. The tool's key-like end fits into the designated adjustment slot on the sprinkler rotor.

### 3.2. Arc Adjustment

1. **Locate the Arc Adjustment Slot:** This is typically a small slot or screw on the top of the rotor head.
2. **Insert the Tool:** Carefully insert the key end of the 05-17200 tool into the arc adjustment slot.
3. **Adjust the Arc:**
  - To **increase** the arc, turn the tool clockwise.
  - To **decrease** the arc, turn the tool counter-clockwise.

Observe the sprinkler's spray pattern as you make small adjustments to achieve the desired coverage.

### 3.3. Radius Adjustment

1. **Locate the Radius Adjustment Screw:** This is often a screw located near the nozzle.
2. **Insert the Tool:** Use the appropriate end of the 05-17200 tool (often the pin on the opposite end of the key) to engage the radius adjustment screw.
3. **Adjust the Radius:**
  - To **increase** the radius (throw distance), turn the tool clockwise.
  - To **decrease** the radius, turn the tool counter-clockwise.

Adjust until the water reaches the desired distance without overspraying.



Figure 3: A hand holding the Hunter adjustment tool, which is inserted into a sprinkler head. Water is visibly spraying from the sprinkler, indicating an active system during adjustment.

**Important:** Make small, incremental adjustments and observe the results. Over-adjusting can damage the sprinkler mechanism.

## 4. MAINTENANCE

The Hunter PGP 05-17200 Rotor Nozzle Adjustment Tool is a simple, durable device. To ensure its longevity:

- **Cleaning:** Wipe the tool clean with a damp cloth after each use to remove dirt or debris.
- **Storage:** Store the tool in a dry place, away from direct sunlight and extreme temperatures, to prevent material degradation.
- **Inspection:** Periodically inspect the tool for any signs of wear or damage. Discontinue use if the tool is cracked or broken, as this may impair its function or damage the sprinkler head.

## 5. TROUBLESHOOTING

This tool is mechanical and has few points of failure. Most issues arise from improper use or compatibility.

Problem	Possible Cause	Solution
Tool does not fit into sprinkler adjustment slot.	Incompatible sprinkler model or incorrect adjustment point.	Verify that your sprinkler is a Hunter PGP, PGH, PGM, I-20, I-25, I-40, I-60 rotor or PS model spray head. Ensure you are attempting to insert the tool into the correct arc or radius adjustment slot.

Problem	Possible Cause	Solution
Sprinkler arc/radius does not change after adjustment.	Sprinkler mechanism is stuck or damaged; insufficient adjustment.	Ensure the sprinkler system is active during adjustment. Make sure the tool is fully engaged. If the issue persists, the sprinkler head itself may require maintenance or replacement.
Tool feels loose or slips during adjustment.	Tool is worn or damaged; incorrect engagement.	Inspect the tool for wear. If damaged, replace it. Ensure the tool is firmly seated in the adjustment slot before applying torque.

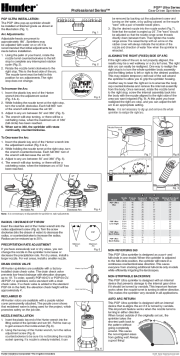





## 6. SPECIFICATIONS

Feature	Detail
Model Number	05-17200 (also known as 4316349034)
Brand	Hunter
Compatibility	Hunter PGP, PGH, PGM, I-20, I-25, I-40, I-60 Rotors and PS model spray heads
Material	Plastic (specific composition not provided, but typically durable polymer)
Item Weight	Approximately 0.317 ounces (per tool)
Package Dimensions	5.94 x 3.9 x 0.51 inches (for a pack of two)

## 7. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the official Hunter Industries website or contact Hunter customer support directly. Specific warranty terms may vary by region and retailer.

For technical assistance or further inquiries, please visit the [Hunter Industries Support Page](#) or contact their customer service department.

	<p><a href="#">Hunter PGP Ultra Pop-Up Sprinkler Installation and Performance Guide</a></p> <p>Comprehensive guide for installing and configuring Hunter PGP Ultra pop-up sprinklers, including arc adjustments, radius control, nozzle selection, and performance data.</p>
	<p><a href="#">Hunter PGJ-06 Rotor Specifications and Performance Data</a></p> <p>Detailed specifications, operating parameters, and nozzle performance data for the Hunter PGJ-06 Rotor, a 6-inch landscape irrigation rotor.</p>
	<p><a href="#">Hunter Irrigation Replacement Parts List</a></p> <p>Comprehensive replacement parts list for Hunter residential and commercial irrigation products, including rotors, valves, controllers, sensors, and accessories. Find catalog numbers and component details for efficient maintenance and repair.</p>
	<p><a href="#">Hunter Residential Product Reference Guide</a></p> <p>A comprehensive guide to Hunter's residential and commercial irrigation products, featuring detailed specifications and comparisons of various rotor models like PGJ, PGP-ADJ, PGP ULTRA, and I-20.</p>
	<p><a href="#">Hunter I-80 Gear-Driven Rotors Installation Instructions</a></p> <p>Comprehensive installation guide for Hunter I-80 Gear-Driven Rotors, detailing arc adjustments, nozzle replacement, riser removal, stator adjustments, turf cup kit installation, and providing detailed performance data for various nozzle configurations.</p>
	<p><a href="#">Hunter G-80B-25-S Golf Rotor Specifications and Performance</a></p> <p>Detailed specifications and performance data for the Hunter G-80B-25-S golf rotor, including pressure, radius, and precipitation rates for various nozzle sizes.</p>