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Rain Bird 1804

Rain Bird 1804 Spray Head Instruction Manual

Model: 1804 | Brand: Rain Bird

PRODUCT OVERVIEW

The Rain Bird 1804 Spray Head with 15VAN Nozzle is a professional-grade pop-up sprinkler designed for efficient and adjustable landscape irrigation. This product includes a pack of five 4-inch pop-up spray heads, each pre-installed with a 15VAN adjustable nozzle. The nozzle allows for easy adjustment of the spray pattern from 0 to 360 degrees and a radius distance from 8 to 15 feet without the need for special tools. Key features include a patented pressure-activated co-molded wiper seal, a stainless steel reduction screw, a removable grit filter, and a stainless steel retractable spring for reliable performance and easy maintenance.



Image: A pack of five Rain Bird 1804 spray heads, showcasing their compact design and pop-up mechanism.

Key Features:

- Pack of five 1804 spray heads.
- Adjustable 15VAN nozzle pre-installed in each head.
- 4-inch pop-up height for effective watering.
- Tool-free arc adjustment from 0 to 360 degrees.
- Adjustable radius distance from 8 to 15 feet.
- Patented pressure-activated co-molded wiper seal for durability.
- Stainless steel components for corrosion resistance.
- Removable grit filter for easy cleaning.

SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of your Rain Bird 1804 spray heads. Follow these general guidelines for setup:

1. **Plan Layout:** Determine the optimal placement for each spray head to ensure even coverage across your desired watering area. Consider the 8-15 foot radius of the 15VAN nozzle.
2. **Dig Trench:** Dig a trench from your main water line to each sprinkler location. The trench should be deep enough to accommodate the piping and allow the top of the spray head to be flush with the ground when installed.
3. **Connect Piping:** Connect the spray heads to your irrigation piping system using appropriate fittings (e.g., swing

joints for flexibility and easy adjustment). Ensure all connections are watertight.

4. **Install Spray Head:** Thread the 1804 spray head onto the riser or swing joint. Ensure the top of the spray head is level with the ground surface to prevent tripping hazards and allow for proper pop-up and retraction.
5. **Flush System:** Before attaching all nozzles, briefly flush the system to clear any debris from the pipes. This prevents clogging of the nozzles.
6. **Adjust Nozzle Alignment:** Once installed, the nozzle can be easily aligned. The 15VAN nozzle allows for simple adjustment of the spray pattern and radius.

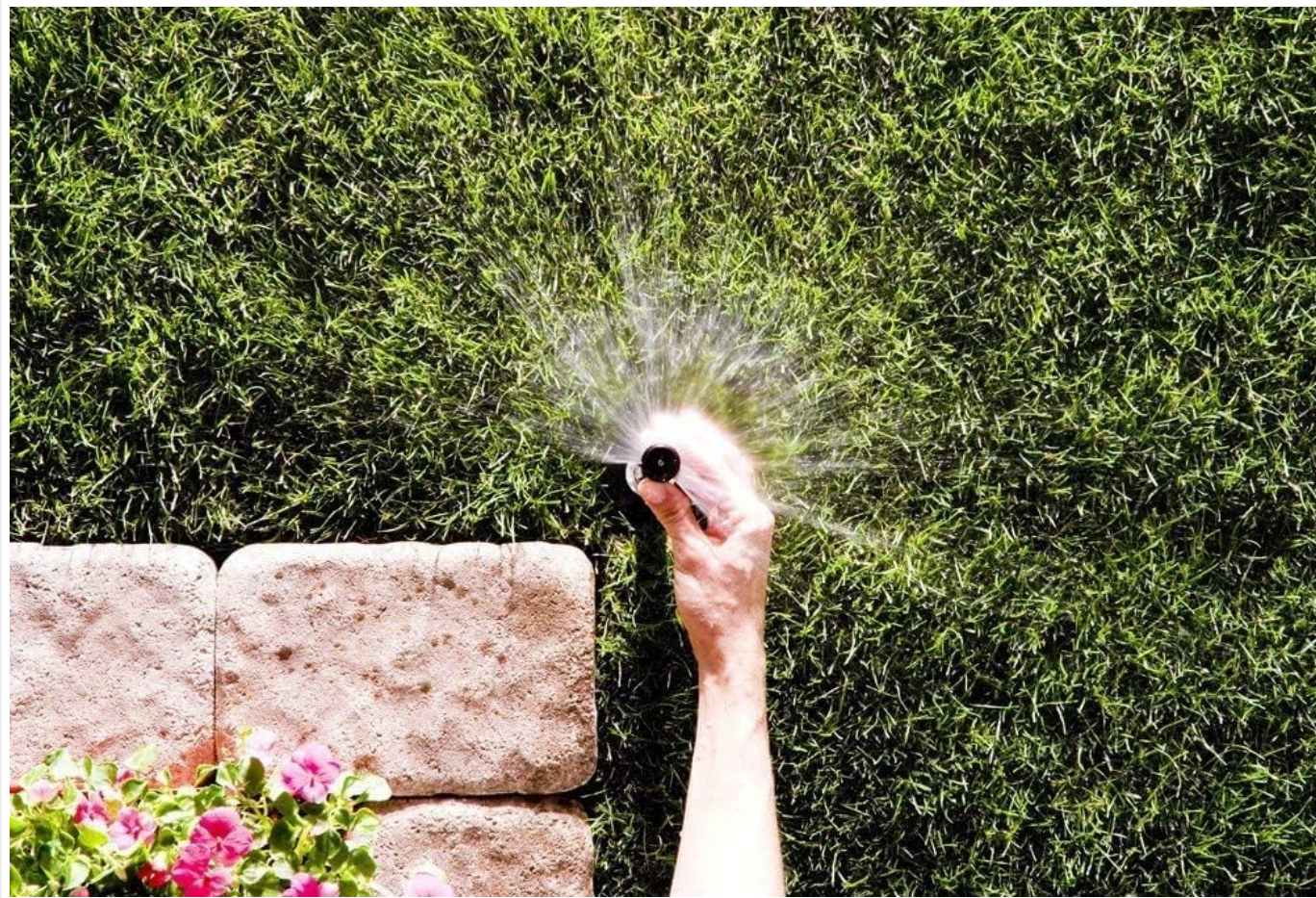


Image: A hand demonstrating the adjustment of a Rain Bird sprinkler head, highlighting the ease of setting the spray pattern.

OPERATING INSTRUCTIONS

The Rain Bird 1804 spray head with 15VAN nozzle is designed for simple and precise adjustment of its spray pattern and radius.

Adjusting the Arc (Spray Pattern):

- The 15VAN nozzle allows for arc adjustment from 0° to 360° without tools.
- To adjust the arc, hold the nozzle housing firmly and rotate the top portion of the nozzle (the textured ring) clockwise or counter-clockwise.
- The starting point of the arc is fixed. To change the starting point, unscrew the nozzle slightly, rotate the entire pop-up stem to the desired starting position, and then re-tighten the nozzle.
- Observe the spray pattern while the system is running to fine-tune the arc for optimal coverage.

Adjusting the Radius (Spray Distance):

- The 15VAN nozzle provides a radius adjustment from 8 to 15 feet.
- To adjust the radius, locate the stainless steel reduction screw on the top of the nozzle.

- Using a flat-head screwdriver, turn the screw clockwise to decrease the spray radius and counter-clockwise to increase it.
- Adjust the radius while the system is operating to ensure the water reaches the desired distance without overspray.

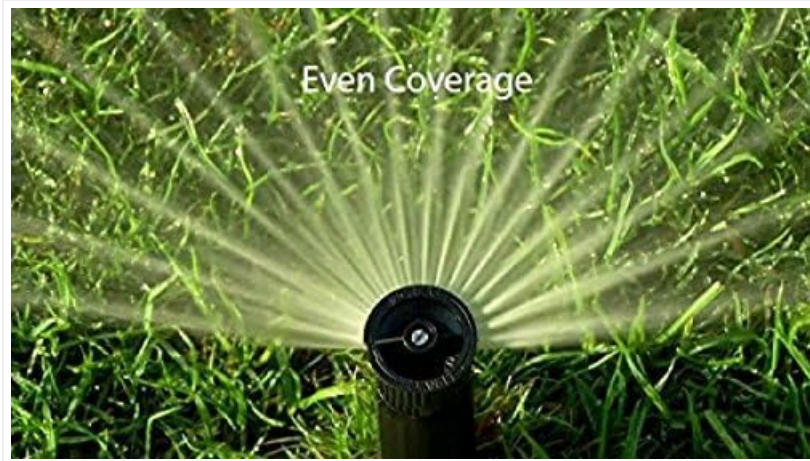


Image: A Rain Bird sprinkler head actively watering a lawn, demonstrating its even coverage capability.

MAINTENANCE

Regular maintenance helps ensure the long-term efficiency and performance of your Rain Bird 1804 spray heads.

- **Clean Nozzles:** Periodically inspect nozzles for clogs caused by dirt, debris, or mineral deposits. The 15VAN nozzle has a removable grit filter that can be cleaned. To clean, unscrew the nozzle from the spray head, remove the filter, rinse it thoroughly under water, and reassemble.
- **Check for Leaks:** Inspect around the base of the spray head and along the piping for any signs of leaks. Address leaks promptly to conserve water and maintain system pressure.
- **Inspect Wiper Seal:** The patented pressure-activated co-molded wiper seal helps prevent debris from entering the spray head. If the spray head is not popping up or retracting properly, inspect the seal for damage or excessive dirt.
- **Winterization (in cold climates):** In regions with freezing temperatures, it is crucial to properly winterize your irrigation system to prevent damage. This typically involves shutting off the water supply, draining the system, and blowing out the lines with compressed air. Consult a local irrigation professional if unsure.



Image: A Rain Bird sprinkler head effectively watering a vibrant flower bed, demonstrating its versatility in different landscape settings.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Rain Bird 1804 spray heads.

Problem	Possible Cause	Solution
Sprinkler not popping up or retracting fully.	Low water pressure, debris in the riser, damaged spring, or clogged wiper seal.	Check water pressure. Clean or replace the wiper seal. Inspect for debris inside the body. Replace the spray head if the spring is damaged.
Uneven spray pattern or reduced distance.	Clogged nozzle, incorrect arc/radius adjustment, or low water pressure.	Clean the nozzle and grit filter. Re-adjust the arc and radius settings. Verify adequate water pressure at the source.
Water leaking from the base of the spray head.	Loose connection, damaged seal, or cracked body.	Tighten the connection to the piping. Inspect and replace any damaged seals. If the body is cracked, the spray head needs replacement.
No water coming from the sprinkler.	Main water supply off, clogged nozzle, or broken pipe.	Ensure water supply is on. Clean the nozzle. Check for visible pipe damage or consult an irrigation professional.

SPECIFICATIONS

Detailed specifications for the Rain Bird 1804 Spray Head with 15VAN Nozzle:

Attribute	Value
Brand	Rain Bird

Model Number	1804
Nozzle Type	15VAN (Variable Arc Nozzle)
Pop-up Height	4 inches
Adjustable Arc	0° to 360° (tool-free)
Adjustable Radius	8 to 15 feet
Material	Stainless Steel (components), Plastic (body)
Color	Black
Item Dimensions (L x W x H)	9.5 x 2.5 x 6 inches
Item Weight	1.16 pounds (for the pack of 5)
UPC	304694819413, 701327489690, 304694872357

WARRANTY AND SUPPORT

For specific warranty information regarding your Rain Bird 1804 Spray Heads, please refer to the documentation included with your purchase or visit the official Rain Bird website. Rain Bird products typically come with a manufacturer's warranty covering defects in materials and workmanship.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Rain Bird Customer Service directly. You can find contact information on the Rain Bird website or through their authorized distributors.

Rain Bird Official Website: www.rainbird.com

