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Orbit 54118

Orbit 54118 4-Inch Hard Top Pop-Up Sprinkler Head User Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Orbit 54118 4-Inch Hard Top Pop-Up Sprinkler Head. Please read this manual thoroughly before use to ensure proper function and longevity of your sprinkler system component.

SAFETY INFORMATION

To prevent damage to the sprinkler head and ensure safe operation, observe the following guidelines:

- Avoid placing sprinkler heads in areas frequently traversed by vehicles or heavy lawn equipment. This helps prevent physical damage to the unit.
- Ensure all connections are secure to prevent leaks and water waste.
- Always turn off the water supply before performing any installation or maintenance.

PRODUCT OVERVIEW

The Orbit 54118 is a professional-grade 4-inch pop-up spray head designed for efficient lawn irrigation. Its hard top construction provides enhanced durability, making it suitable for areas where contact with lawn equipment is common. This sprinkler head offers adjustable coverage from partial to full circle, with a spray radius of 10 to 15 feet.

Key Features:

- **Durable Hard Top:** Protects the spray head from damage caused by lawn equipment and foot traffic.
- **Adjustable Spray Pattern:** Provides uniform coverage with an arc adjustable from 0 to 360 degrees.
- **Flexible Coverage:** Sprays water up to 10-15 feet, ideal for various lawn sizes.
- **Ratcheting Riser Stem:** Allows for precise adjustment of spray direction after installation.
- **Integrated Filter:** Helps prevent clogging of the nozzle, ensuring consistent performance.
- **Corrosion-Resistant:** Features a stainless steel riser spring for long-lasting reliability.

- **Compatibility:** Works with Orbit, Hydro-Rain, Rain Bird, Hunter, and other major brands.





Image: The Orbit 54118 4-Inch Hard Top Pop-Up Sprinkler Head, showcasing its robust design.



Image: A hand holding the Orbit 54118 sprinkler head, illustrating its approximate size of 6.3 inches (15 cm) in length.

SETUP AND INSTALLATION

Installing the Orbit 54118 sprinkler head is a straightforward process. Follow these steps for proper installation:

1. **Turn Off Water Supply:** Before beginning any work, ensure the main water supply to your irrigation system is completely shut off.
2. **Remove Old Sprinkler Head:** Carefully dig around the existing sprinkler head to expose the connection. Unscrew the old sprinkler head from the pipe fitting.
3. **Clean Connection:** Inspect the pipe fitting for any debris or dirt. Clean it thoroughly to ensure a tight seal with the new sprinkler head.
4. **Install New Sprinkler Head:** Screw the new Orbit 54118 sprinkler head onto the pipe fitting. Hand-tighten first, then use a wrench for a snug fit, being careful not to overtighten.
5. **Adjust Spray Direction (Ratcheting Riser):** The riser stem can be ratcheted to fine-tune the spray direction. Gently pull up the riser and rotate the nozzle to the desired starting point of the spray pattern.
6. **Adjust Spray Arc and Radius:**
 - **Arc Adjustment:** The nozzle allows for adjustment from 0 to 360 degrees. Use a flat-head screwdriver to turn the arc adjustment screw located on the top of the nozzle. Turn clockwise to decrease the arc, counter-clockwise to increase it.
 - **Radius Adjustment:** A radius adjustment screw is included to modify the spray distance. Turn this screw to reduce the spray radius if needed.
7. **Test System:** Slowly turn on the water supply and check for leaks around the newly installed sprinkler head. Observe the spray pattern and make any final adjustments to the arc and radius as necessary.

OPERATING INSTRUCTIONS

Once installed, your Orbit 54118 sprinkler head operates automatically as part of your irrigation system. The key to optimal performance lies in proper adjustment.

- **Watering Coverage:** The sprinkler head is designed to water areas with up to 15 feet of spacing between heads, providing effective coverage for your lawn or garden.
- **Smart Controller Integration:** For enhanced water conservation and automated scheduling, consider connecting your irrigation system to a B-hyve smart controller. This allows for precise control over watering times and duration.
- **Seasonal Adjustments:** Periodically check your sprinkler's spray pattern and adjust as seasons change or plants grow, ensuring water is directed only where needed.

MAINTENANCE

Regular maintenance ensures your sprinkler head continues to function efficiently and extends its lifespan.

- **Nozzle Cleaning:** The integrated filter helps prevent clogging. However, if you notice reduced spray or an irregular pattern, the nozzle may be partially clogged. Turn off the water, unscrew the nozzle, and clean the filter and nozzle opening with water or a soft brush.
- **Winterization:** In colder climates, it is crucial to properly winterize your irrigation system to prevent freeze damage. Consult your irrigation system's main manual for specific winterization procedures, which typically involve draining water from the lines and sprinkler heads.
- **Inspect for Damage:** Periodically check the sprinkler head for any signs of physical damage, especially the hard top and riser stem. Replace damaged components promptly to maintain system

integrity.

TROUBLESHOOTING

If you encounter issues with your Orbit 54118 sprinkler head, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No water or low pressure from head	Clogged nozzle or filter; insufficient water pressure; damaged riser.	Clean the nozzle and filter. Check main water supply and system pressure. Inspect riser for damage and replace if necessary.
Irregular spray pattern	Partially clogged nozzle; incorrect arc adjustment.	Clean the nozzle. Re-adjust the spray arc using the adjustment screw.
Sprinkler head not popping up or retracting	Debris in the riser mechanism; weak spring; low water pressure.	Clean debris from around the riser. Check water pressure. If spring is weak or damaged, the head may need replacement.
Water leaking from base of head	Loose connection; damaged seal.	Tighten the connection to the pipe fitting. If leak persists, the internal seal may be damaged, requiring replacement of the head.

SPECIFICATIONS

Feature	Detail
Brand	Orbit
Model Number	54118
Type	Hard Top Pop-Up Spray Head
Riser Height	4 Inches
Coverage Area	10-15 Feet Radius
Spray Arc Adjustment	0 to 360 Degrees (Partial to Full Circle)
Material	Metal, Plastic
Maximum Pressure	30 PSI (Pound per Square Inch)
Inlet Connection Size	4 Inches (body size)
Approximate Length (Pop-Up Body)	6.3 inches (15 cm)
Item Weight	5.6 ounces
UPC	046878541184

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Orbit 54118 Hard Top Pop-Up Sprinkler Head, please refer to the official Orbit website or contact Orbit customer service directly. Keep your purchase receipt as proof of purchase.

Orbit Customer Service: Visit [Orbit's Support Page](#) for contact details and additional resources.