Orbit 56946

Orbit 56946 Lawn Sprinkler Instruction Manual

Model: 56946 | Brand: Orbit

Introduction

The Orbit Brass Impact Sprinkler on Tri-point Step Spike is engineered for efficient watering of large areas. Its robust design ensures dependable performance with uninterrupted water flow, even when utilizing dirty or reclaimed water sources. This manual provides comprehensive instructions for setting up, operating, and maintaining your sprinkler to achieve optimal lawn care.

Product Overview

The Orbit 56946 Lawn Sprinkler is designed for durability and wide coverage. It features an all-metal construction, including a heavy-duty brass impact head and a zinc tri-point step spike for stable ground insertion. The sprinkler offers adjustable coverage from partial to full 360-degree watering, with customizable settings for spray distance and water droplet size.

Key Features

- **Large-Area Coverage:** Capable of spraying up to a 90 ft. diameter, covering approximately 6,360 sq. ft. when set to a full circle.
- **Heavy-Duty Brass Construction:** Built to withstand high water pressures and severe weather, resisting breaking, rusting, or failure.
- **Adjustable Coverage:** Easily transition spray coverage from a partial section to a full 360° watering pattern.
- **Customizable Settings:** Utilize the deflector shield and diffuser screw to modify the water stream and adjust the spray distance radius.
- **Anti-Backsplash Arm:** Enhances the sprinkler's ability to maintain a consistent spray pattern and desired area coverage.
- **Flow-Through Outlet:** Allows for connecting multiple sprinklers in a series to expand your watering coverage based on available water pressure.
- **Stable Design:** The zinc, tri-point spike can be easily inserted into soil or turf, ensuring the sprinkler remains anchored during operation.
- **Durable Construction:** The step spike is made with quality zinc materials for long-lasting use across multiple seasons.

- **Clog Resistance:** Features a flow-through design that resists clogging, making it suitable for use with secondary water sources.

Setup Instructions

Follow these steps to set up your Orbit 56946 Lawn Sprinkler for immediate use.

1. **Attach Hose:** Connect your garden hose to the sprinkler's inlet. Ensure a tight connection to prevent leaks.
2. **Position Sprinkler:** Place the sprinkler in the desired watering area. Step firmly on the zinc tri-point spike to secure it into the ground.
3. **Adjust Coverage Arc:** The sprinkler features two collars at its base. Adjust these collars to set the desired watering arc, from a partial circle to a full 360-degree rotation. The trip pin will hit these collars to reverse direction.
4. **Adjust Spray Distance/Pattern:**
    - **Deflector Shield:** Use the deflector shield at the top of the sprinkler to adjust the height and distance of the water stream.
    - **Diffuser Screw:** A screw pin is located near the nozzle. Turning this screw in will disperse the water, creating a softer, more diffused spray suitable for new lawns or delicate plants. Turning it out will create a stronger, more focused stream for maximum distance.
5. **Full 360-Degree Operation (Low Pressure):** If you have low water pressure and desire a continuous 360-degree spray without the sprinkler reversing, you can flip up the trip pin. This allows the sprinkler head to rotate freely without interruption.



Image: The Orbit 56946 Lawn Sprinkler, showcasing its brass impact head and stable tri-point step spike.

Operating Guidelines

For optimal performance, consider the following guidelines during operation:

- **Water Pressure:** The sprinkler performs best with adequate water pressure. Low pressure may reduce spray distance and rotation speed.
- **Connecting Multiple Units:** Utilize the flow-through outlet to connect additional Orbit sprinklers in series. Ensure your water pressure is sufficient to support all connected units for effective coverage.
- **Wind Conditions:** In windy conditions, the spray pattern may be significantly affected. Consider watering during calmer periods to ensure even distribution.

Maintenance

Regular maintenance will extend the life and efficiency of your Orbit Lawn Sprinkler.

- **Cleaning:** Periodically check the nozzle for any debris or mineral buildup that might obstruct the water flow. Use a small brush or needle to clear any blockages.
- **Inspection:** Before each use, inspect the sprinkler head and spike for any signs of damage or wear. Ensure all moving parts operate smoothly.
- **Winterization:** Before freezing temperatures, disconnect the sprinkler from the hose and drain all water from the unit to prevent damage from ice expansion. Store in a dry, protected area.

Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Sprinkler not rotating	Low water pressure, debris in head, trip pin stuck	Increase water pressure, clean nozzle, ensure trip pin moves freely.
Uneven water distribution	Nozzle partially clogged, diffuser screw misadjusted, wind interference	Clean nozzle, adjust diffuser screw, water during calm periods.
Limited spray distance	Low water pressure, diffuser screw too far in	Ensure adequate water pressure, adjust diffuser screw outwards.
Leaks at hose connection	Loose connection, worn washer	Tighten connection, replace rubber washer.

Specifications

Attribute	Detail
Brand	Orbit
Model Number	56946
Material	Brass, Metal
Color	Brass
Style	Adjustable
Item Dimensions (L x W x H)	12.25 x 5.38 x 3.25 inches
Item Weight	1.6 pounds
UPC	046878569461

Warranty and Support

Orbit products are manufactured to high-quality standards. For information regarding product warranty, returns, or technical support, please refer to the official Orbit website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information: Please visit the official Orbit website or refer to the product packaging for the most current customer support details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question