Toro 300-12-00

Toro 300 Series Multi-Stream Rotor with 12" High-Pop User Manual

Model: 300-12-00

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Toro 300 Series Multi-Stream Rotor with 12" High-Pop. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the product.

Product Overview

The Toro 300 Series Multi-Stream Rotor is a gear-driven sprinkler designed for efficient and uniform water distribution in various landscape applications. This model features a 12-inch high-pop stem, allowing it to clear tall grasses and shrubs for effective watering. It is designed to be used with a separate nozzle and arc disc (not included with this specific unit) to customize spray patterns and throw distances.





This image displays the Toro 300 Series Multi-Stream Rotor. It features a black cylindrical body with a white pop-up stem visible at the top. A side adjustment screw is also visible on the body.

Key Features:

- Gear-driven mechanism for reliable operation.
- 12-inch high-pop stem for clearance over vegetation.
- Durable construction for long-term performance.

- Designed for use with various nozzles and arc discs (sold separately) for customizable watering.

Setup and Installation

1. **Planning:** Determine the optimal placement for your rotor heads to ensure complete and overlapping coverage of the desired watering area. Consider water pressure and flow rates.
2. **Trenching:** Dig trenches for the lateral lines and rotor bodies. Ensure trenches are deep enough to allow the top of the rotor to be flush with the ground level when installed.
3. **Connecting to Lateral Line:**
    - Thread the rotor onto a swing joint or flexible pipe connected to the lateral line.
    - Ensure all connections are watertight using appropriate thread sealant or Teflon tape.
4. **Positioning:**
    - Backfill the trench, ensuring the top of the rotor is at grade level.
    - Orient the rotor so the fixed left stop (if applicable) is aligned with the desired left edge of the watering arc.
5. **Nozzle Installation (Nozzle not included with this unit):**
    - Remove the cap from the rotor.
    - Insert the desired nozzle into the nozzle housing.
    - Secure the nozzle with the retaining screw.
    - Replace the cap.
6. **Initial Flush:** Before installing nozzles, briefly turn on the water to flush out any debris from the system.

Operating and Adjustment

The Toro 300 Series Rotor allows for arc and radius adjustments to optimize watering performance. These adjustments are typically made after the rotor is installed and the system is pressurized.

Arc Adjustment:

- **Setting the Left Stop:** With the water off, rotate the nozzle turret counter-clockwise to the left stop. This is the fixed left boundary of the spray pattern.
- **Adjusting the Right Stop:** Use the adjustment tool (or a flat-head screwdriver) to turn the arc adjustment screw.
    - Turning clockwise increases the arc.
    - Turning counter-clockwise decreases the arc.
- **Verification:** Turn on the water and observe the spray pattern. Make fine adjustments as needed.

Radius Adjustment:

- The radius is primarily controlled by the installed nozzle.
- For minor radius reduction, use the radius reduction screw located on the top of the rotor.
    - Turning the screw clockwise will decrease the throw distance.
    - Do not turn the screw more than 360 degrees, as this can interfere with the spray pattern.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your Toro 300 Series Rotor.

- **Cleaning:** Periodically inspect the rotor for debris around the pop-up stem and nozzle. Clean as necessary to prevent obstruction of the spray pattern.
- **Filter Screen:** The rotor may contain an internal filter screen at the base. If water flow is reduced, turn off the water, remove the rotor, and clean the filter screen.
- **Winterization:** In freezing climates, ensure the irrigation system is properly drained or blown out with compressed air before winter to prevent freeze damage.
- **Inspection:** Annually inspect rotors for signs of wear or damage. Replace worn parts or entire units as needed.

Troubleshooting

Problem	Possible Cause	Solution
Rotor not popping up fully.	Low water pressure; debris in rotor; worn spring.	Check system pressure; clean rotor and filter screen; replace rotor if spring is worn.
Uneven spray pattern.	Clogged nozzle; incorrect arc adjustment; damaged nozzle.	Clean nozzle; readjust arc; replace nozzle.
Water leaking from rotor cap.	Damaged seal; loose cap.	Inspect and replace seal; tighten cap securely.
Rotor not rotating.	Debris in gear drive; low pressure; damaged gears.	Flush system; clean rotor internals; replace rotor.

Specifications

- **Model Number:** 300-12-00
- **Brand:** Toro
- **Type:** Multi-Stream Gear Driven Rotor
- **Pop-Up Height:** 12 inches
- **Material:** Metal (internal components), Plastic (body)
- **Color:** Black
- **Product Dimensions:** Approximately 16 x 3 x 3 inches (L x W x H)
- **Item Weight:** Approximately 1 pound
- **UPC:** 090258009191
- **Nozzle:** Not included (requires separate purchase of Toro 300 Series nozzles)

Warranty Information

Toro products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions applicable to your Toro 300 Series Multi-Stream Rotor, please refer to the warranty card included with your purchase or visit the official Toro website. Keep your proof of purchase for warranty claims.

Support

For further assistance, technical support, or to inquire about replacement parts, please contact Toro Customer Service. You can find contact information on the official Toro website or through your authorized Toro dealer.
Online Resources: www.toro.com

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.

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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.

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