

Heavy-Duty Rotor Sled



Thank you for purchasing the Heavy-Duty "Rotor" Sled from BigSprinkler.com. These sled based sprinklers will provide you with a commercial grade solution for residential sized projects such as irrigating medium sized lawns, gardens, playgrounds, horse riding arenas, and much more!

With the rotor sprinkler head, you can have it all -- uncompromising performance, superior distribution, reliability and durability. Rain Curtain™ nozzles maximize performance and coverage. A multi-function wiper seal and tapered riser keep the stem clear of debris, providing long-term protection. Plus, heavy-duty construction makes this rotor one of the toughest in the field. The rotor head is a Reversing full and part circle adjustment 40° – 360°, meaning you can adjust it to a full circle or down to a 40° area. (A non-reversing full-circle only unit is also available). Spray distances are up to 100 feet in diameter!

The following manual is a guide for assembly, setup, and operation of your new Big Sprinkler Sled. Please read and follow all instructions carefully.

We also offer accessories such as 3/4" garden hoses, larger pre-made hose kits with quick connects for easy hook-up and booster pumps that will greatly enhance pressure and performance for your sprinkler sled.

Rotor Sled Performance

Heavy Duty Rotor Sled Performance Chart



Specifications:

- **Inlet Size:** Garden Hose Connection
- **Flow Rates:** 2 – 9 GPM
- **Available Nozzles:** #1.5 – 8.0
- **Pressure Range:** 25 - 65 PSI

PSI	Nozzle Size	GPM	Jet Length/Feet (One Direction)	Wetted Circle (Diameter/Feet)
25	1.5	1.12	33	66
	2	1.5	35	70
	2.5	1.81	35	70
	3	2.26	36	72
	4	2.91	37	74
	5	3.72	39	78
	6	4.25	39	78
	8	5.9	36	72
35	1.5	1.35	34	68
	2	1.81	36	72
	2.5	2.17	37	74
	3	2.71	38	76
	4	3.5	40	80
	5	4.47	41	82
	6	5.23	43	86
	8	7.06	43	86
45	1.5	1.54	35	70
	2	2.07	37	74
	2.5	2.51	37	74
	3	3.09	40	80
	4	4.01	42	84
	5	5.09	45	90
	6	6.01	46	92
	8	8.03	47	94
55	1.5	1.71	35	70
	2	2.3	37	74
	2.5	2.76	37	74
	3	3.47	40	80
	4	4.44	42	84
	5	5.66	45	90
	6	6.63	47	94
	8	8.86	50	100
65	1.5	1.86	34	68
	2	2.52	35	70
	2.5	3.01	37	74
	3	3.78	40	80
	4	4.83	42	84
	5	6.16	45	90
	6	7.22	48	96
	8	9.63	50	100

Accessories



Garden Hose



Hose Kits & Fittings



Booster Pumps

Sled Assembly Instructions

Please read this manual carefully and follow all safety and assembly instructions below to ensure that your cart is assembled correctly and operates properly upon start-up. If you have any questions please call 1-855-805-7901.



Safety



Safety is the main priority and failure to follow these instructions may cause serious injury. BigSprinkler.com is not responsible for product failure, property damage, or personal injury if these procedures and operation instructions are not followed.

- **Beware of electric power lines**

Irrigation water should never contact electric power lines or any other power source. Never let any part of the sprinkler cart or any irrigation fittings or pipe come in contact with an electric power source.

- **Use caution up close to operating sprinkler heads**

Pressurized water from the sprinkler head could cause serious damage to people or objects. Never allow small children to play close to operating sprinkler heads!

Step 1



NOTE: The internal spring has been removed to allow the rotor head to work with lower pressure. This does not effect how the rotor operates or sprays water.

Step 1] Unpack contents from box. The sprinkler sled is shipped with two main components; the Sled Base, and sprinkler head.

Step 2



Step 2] Attach sprinkler head to the threaded connection on the top of the sled base (left image) as shown and slowly rotate to the right to start the threads and hand tighten. Secure sprinkler head by tightening with an open end wrench or pipe wrench. **CAUTION:** Only tighten sprinkler head by placing wrench on the lower base area of the sprinkler head to avoid damage to upper portion of the sprinkler.

Step 3

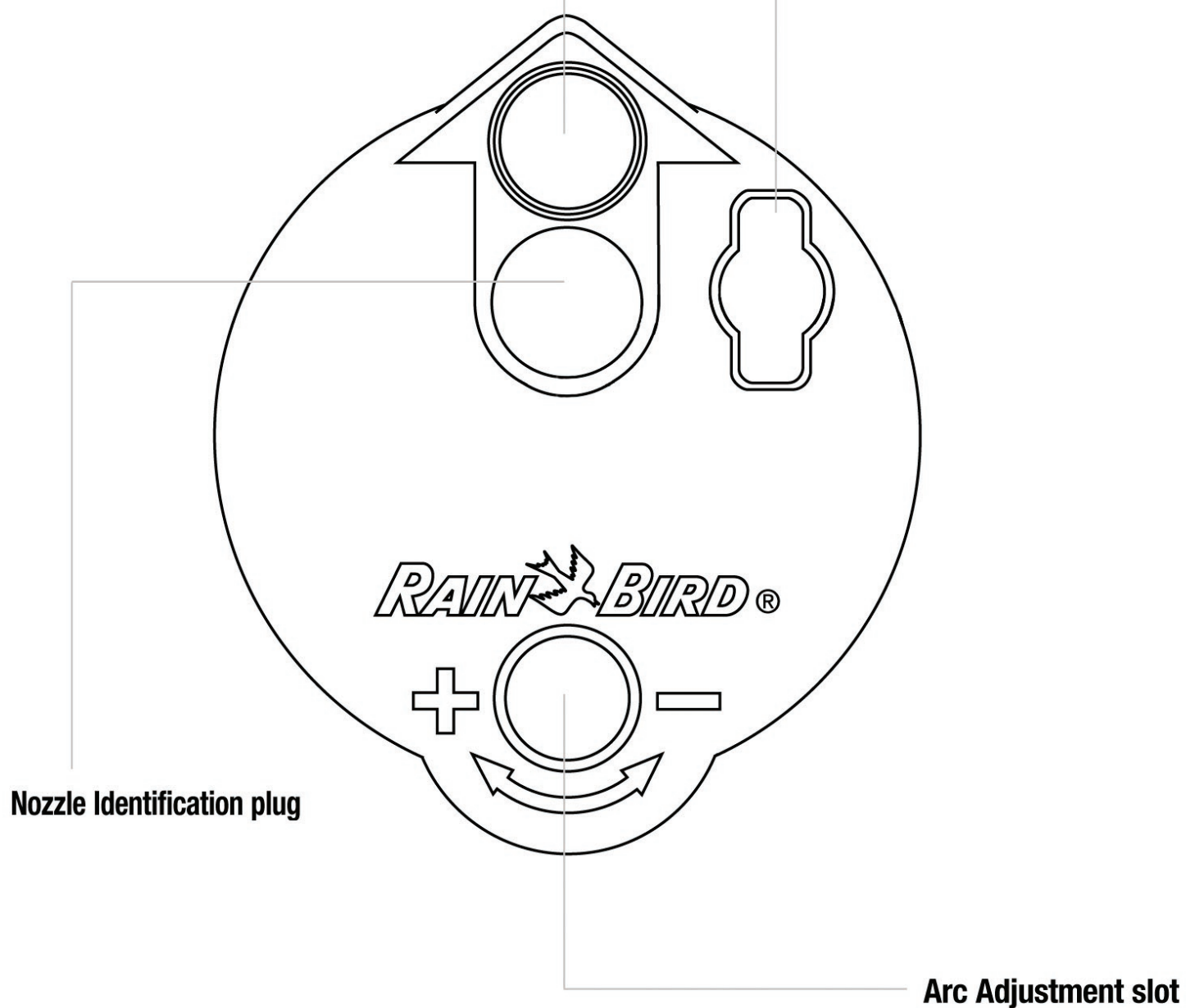


Step 3] Position sprinkler cart in area to be watered. First be sure to allow water to flush any debris from your hose that might clog the sprinkler before attaching your hose to the sled. Finally attach your garden hose to the brass swivel on your sled and your new sprinkler sled is ready for operation.

Rotor Sprinkler Head Settings

Radius Adjustment slot

Pull-up slot



Nozzle Identification plug

Arc Adjustment slot

Arc Adjustment

(if ordered with part circle sprinkler)

English Installation Instructions

Installing and Removing Nozzles:

1. Insert tool into pull-up slot, turn 90 degrees, and lift up stem. **(A)**
2. Insert the desired nozzle into the nozzle socket, and turn the radius adjustment screw clockwise to secure the nozzle in place. **(B)**
3. Insert the selected nozzle's identification plug into the opening on the top of the rotor.
4. To remove the nozzle, back out the radius adjustment screw, place the blade of the screwdriver under the nozzle removal tab and press the handle down. **(C)**

Setting the Arc:

The arc is adjustable from 40 –360 degrees (PC units only). The rotor is factory set to 180 degrees.

Align Fixed LEFT Edge:

1. Pull up turret and turn to the left trip point (counterclockwise).
CAUTION: If the rotor does not turn easily to the left, first turn it right (clockwise) to the right trip point.
2. Rotate entire case to the desired fixed left position, OR unscrew cap and pull out assembly. Rotate internals to re-align left trip point to the desired point and re-install.

To increase or decrease the arc: (D)

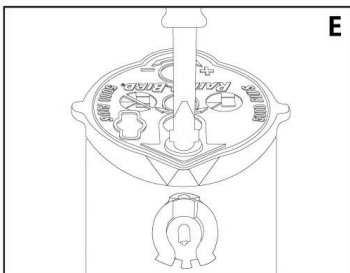
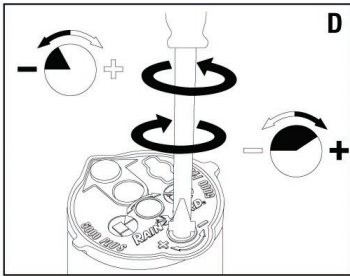
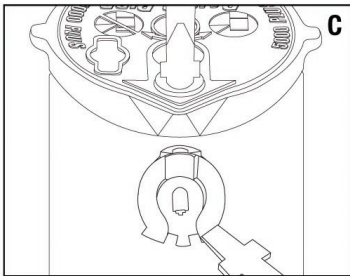
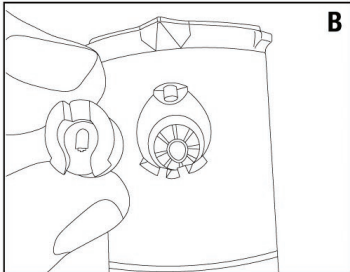
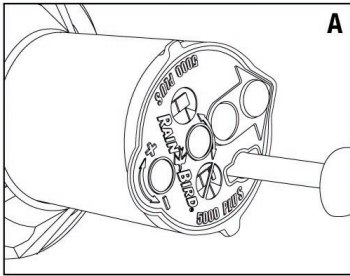
1. While holding the nozzle turret at the fixed LEFT stop, insert tool or screwdriver into the adjustment socket.
- 2a. Turn the screwdriver clockwise, (+) to INCREASE arc.
- 2b. Turn the screwdriver counterclockwise, (-) to DECREASE arc.
3. Each full clockwise turn of the screwdriver will add or remove 90 degrees of arc.
4. When the maximum arc of 360 degrees or minimum arc of 40 degrees has been set, you will hear a ratcheting noise. Do not adjust the rotor beyond the maximum or minimum arc.

Radius Adjustment: (Radius can be reduced up to 25%) (E)

1. Insert screwdriver into the radius adjustment socket.
2. Turn the screwdriver clockwise to reduce radius, and counterclockwise to increase radius.

(5000 PLUS ONLY) Turning Flow On or Off (F)

1. Insert screwdriver into Flow Shut-off Slot.
2. Turn screwdriver clockwise 180 degrees to stop the flow of water.
3. Turn screwdriver counterclockwise 180 degrees to start the flow of water.



Warranty

LIMITED WARRANTY AND REMEDY:

WARRANTY

BigSprinkler.com warrants to the original purchaser only of the products described in the face hereof as of the date of the original invoice, that the product is merchantable and free from defects in material and workmanship.

Warranty shall be provided by the original manufacturer of products sold on BigSprinkler.com for the length of time specified by the manufacturer of the given product.

Sprinkler stands - 1 year

Sprinkler heads - 1 year

REMEDY

If BigSprinkler.com determines that the above warranty was breached with respect to any part or component provided by the manufacturer of the product (and if all conditions set forth below have been satisfied) then, BigSprinkler.com will (at BigSprinkler.com's option) provide purchaser a refund of the purchase price less the freight costs to or from the customer, or provide a replacement product of the same kind.

All remedies provided herein are for goods only, no labor or freight allowance for return goods is implied.

This warranty extends only to the original purchaser of products purchased from BigSprinkler.com.

CONDITIONS TO ENFORCEABILITY AND CLAIMS:

1. Product has been maintained and operated within the guidelines outlined in the manufacturer's product guide and maintenance manual.
2. Product warranty shall be considered void if any component or function of the equipment has been altered in any form other than what has been provided or intended by the original product manufacturer.
3. Any return must be submitted on form provided by BigSprinkler.com in writing immediately and in no event longer than 20 days from occurrence. You can reach our sales department through the "contact us" form on our website should such an event occur.
4. Purchaser must return all goods within 30 days of BigSprinkler.com's authorization date, that have been determined by BigSprinkler.com to be defective to the Purchaser with Purchaser being responsible for freight.

LIMITATIONS:

BigSprinkler.com or its affiliates shall not be liable for any incidental or consequential damages (including but not limited to, damages for injury to the person, property or lost turf, crops or profits) by reason of any defect in the products sold or its manufacture, design, or function.