

1000R Wheeled Sprinkler Cart

1000R



Thank you for purchasing the 1000R Wheeled Sprinkler Cart from BigSprinkler.com™. This sprinkler cart is an excellent and affordable option for irrigating a variety of areas such as a small or large lawn, gardens, playgrounds, natural and artificial sports fields, horse arenas or round pens for dust control, and much more. Our carts are fabricated with care and precision in our Yukon, Oklahoma facility with quality heavy duty components.

The following manual is a guide for assembly, setup, and operation of your new BigSprinkler™ cart. 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 cart.

Cart 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 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!

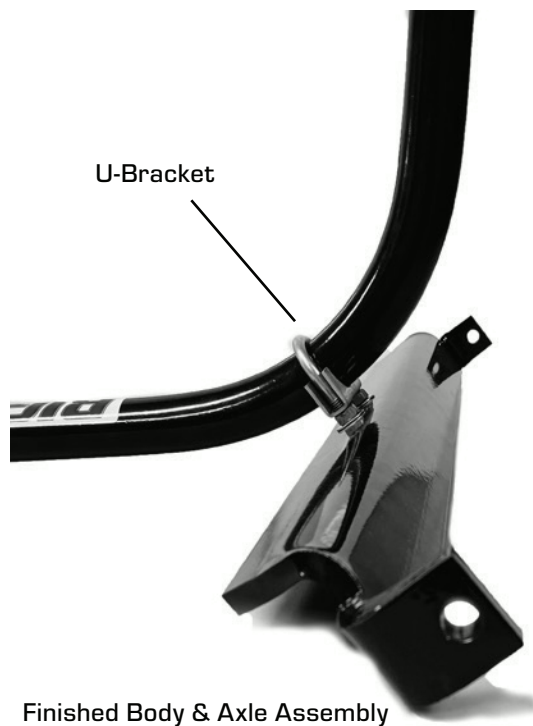
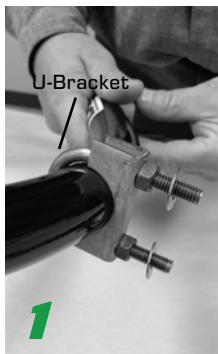


Cart Assembly Instructions

STEP 1) BODY & AXLE ASSEMBLY

First, assemble the axle to the main body. Place (1) flat washer on each of the threaded ends of the u-bracket on the body. Next, align and insert the threaded ends of the u-bracket on the main body through the 2 holes in the axle. Then, secure the axle to the body by placing (1) flat washer, (1) lock washer and (1) 1/4" acorn nut on each of the threaded ends. Tighten using a 9/16" wrench.

NOTE: Do not adjust the u-bracket mounted on the body. It is properly preset from the factory.



Finished Body & Axle Assembly



STEP 2) MOUNTING WHEELS ONTO THE AXLE

Place the shoulder bolt through the middle on the front side of the wheel as shown in the image. Next, continue to pass the threaded end through the hole at the end of the axle tab. To secure the wheel, thread the 3/8" lock nut on the end of the bolt and tighten with a 9/16" wrench and the provided 1/4" Hex Tool. Tighten until it stops. Repeat the same steps for the other wheel.



Cart Assembly Instructions

STEP 3) INSTALLING THE IMPACT SPRINKLER HEAD

First, remove the thread protector cap to expose the taped threads, ***do not remove white thread tape***. Place the bottom of the sprinkler on top of the threads and slowly turn clockwise. NOTE: Make sure to begin slowly so that the threads start correctly. If they are cross threaded, it will result with the threads being damaged on both the cart and sprinkler.

Secure sprinkler head by tightening with a large enough crescent 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 the upper portion of the sprinkler.



STEP 4) Position sprinkler cart in area to be watered and attach cart to your hose. Your sprinkler cart is now ready for operation. **NOTE:** Always run water through your garden hose to flush out before hooking it up to your sprinkler cart. Doing so will prevent anything from clogging the sprinkler when running.

To make adjustments to the impact sprinkler please refer to the "Impact Sprinkler Adjustment" page.



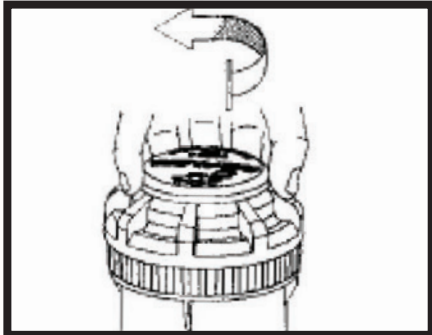
Arc Adjustment

(if ordered with part circle sprinkler)

NOTE: The internal spring has been removed in order for the Rotor head to operate with lower pressures. This will not change the sprinklers performance.

Arc Adjustment

The arc is adjustable from 40° - 360° (PC units only). All part-circle Falcon 6504 rotors are factory preset to approximately 180 degrees. It can be adjusted from the right trip. The left trip is fixed.



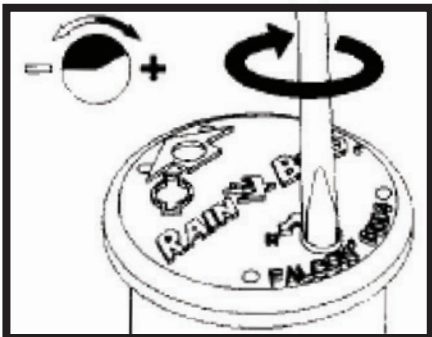
A

Align Fixed Left Trip (A)

1. Pull up turret and turn the left trip point (counterclockwise).

Caution: If the rotor does not turn easily, first turn it right, (clockwise) to the right trip point.

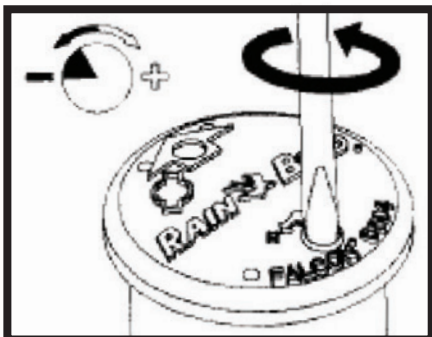
2. Next, turn the turret until the arrow points in the direction you want to set the left edge trip.



B

To Increase the Arc (B)

1. While holding the nozzle turret at the fixed left stop, insert tool or screwdriver into the adjustment socket.
2. Turn the screwdriver counterclockwise (+) to increase the arc.
3. Each full turn of the counterclockwise turn of the screwdriver will add 45 degrees of arc.
4. When the maximum arc of 360 degrees has been set, you will feel some resistance in the adjustment screw. Do not adjust the rotor beyond the maximum arc.



C

To Decrease the Arc (C)

1. While holding the turret at the fixed left stop, insert tool or screwdriver into the arc adjustment socket.
2. Turn the screwdriver clockwise (-) to decrease the arc.
3. Each full clockwise turn of the screwdriver will remove 45 degrees of arc.
4. When the minimum arc of 40 degrees has been set, you will feel some resistance in the adjustment screw. Do not adjust the rotor below the minimum arc.

Falcon Rotor Sprinkler Head Settings

Pull Up Slot—Insert rotor tool here and turn 90 degrees to pull stem up and change nozzle size.

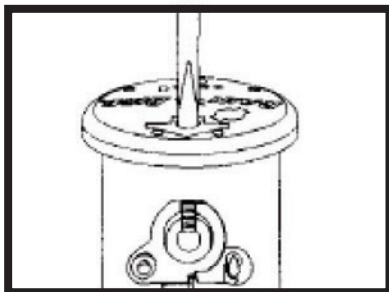
Nozzle Retainer Screw which also acts as the radius adjustment to diffuse the spray pattern and decrease sprinkler throw.

CAUTION: Always use black plastic hold up tool when changing nozzles. Hold up tool will snap into the riser stem to hold it in an extended position while performing nozzle changes.

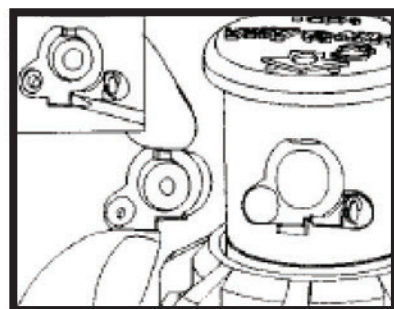


Arc Adjustment Slot

Arc adjustment slot—Only on part circle models



D



E

Nozzle Installation (D & E)

1. Insert the Pull up Tool into the pull-up slot, turn 90 degrees and lift up stem. Clip the black plastic hold up tool onto the riser to support the riser in this extended position.
2. Loosen the nozzle retainer screw until it no longer obstructs the nozzle opening in the nozzle housing.
3. To remove the nozzle, insert the flat-head of the rotor tool supplied into the lower right side of the nozzle to pry it loose.
4. To re-install a nozzle, insert the color coded nozzle firmly into the opening until it is flush with the nozzle turret.
5. Tighten the nozzle retainer screw (which also acts as the radius adjustment to decrease sprinkler throw) clockwise to secure the nozzle. The screw threads must engage the nozzle surface to ensure proper seating of the nozzle and hold it in place during operation.

1000R Sprinkler Cart Chart



Notice: These specifications are to be used as a guide only and have been calculated at zero wind conditions. Performances can vary due to pressure, terrain, wind, and field conditions.

1000R Sprinkler Cart Performance Chart

PSI	Nozzle Size	GPM	Jet Length/Feet (One Direction)	Wetted Circle (Diameter/Feet)
30	4	2.9	39	78
	6	4.2	43	86
40	4	3.3	41	82
	6	4.9	45	90
	8	6.6	49	98
	10	8.1	51	102
	12	9.7	53	106
	14	11.3	55	110
	16	12.6	55	110
	18	13.7	59	118
50	4	3.7	41	82
	6	5.5	49	98
	8	7.4	51	102
	10	9.1	53	106
	12	11	55	110
	14	12.7	59	118
	16	14.3	61	122
	18	15.4	59	118
60	4	4	41	82
	6	6	47	94
	8	8.2	51	102
	10	10	55	110
	12	12.2	57	114
	14	14	61	122
	16	15.7	63	126
	18	17.1	63	126
70	4	4.4	41	82
	6	6.3	49	98
	8	8.9	51	102
	10	10.8	57	114
	12	13.2	59	118
	14	15.2	61	122
	16	16.9	63	126
	18	18.3	65	130
80	4	4.6	43	86
	6	6.9	49	98
	8	9.4	53	106
	10	11.6	55	110
	12	14	61	122
	14	16.2	61	122
	16	18.1	63	126
	18	19.6	65	130
90	18	21.7	65	130

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 it's 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.