

SS1 – Stainless Steel Wheeled Sprinkler Cart

model
SS1™



Thank you for purchasing the SS1 stainless steel 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

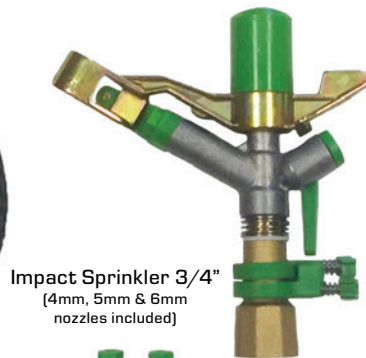
Irrigation water should never contact electric power lines or any other power source. Never let any part of the sprinkler cart or any irrigation fittings or pipe come in contact with an electric power source.

- 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!



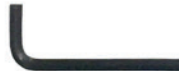
(2) Wheels - 7"



Impact Sprinkler 3/4"
(4mm, 5mm & 6mm
nozzles included)



Hex Tool
1/4"



(2) Flat Washers
1/4"



2) Acorn Nuts
1/4"



(2) Lock Nuts
3/8"



(2) Shoulder Bolts
3/8"



Sprinkler Cart Axle



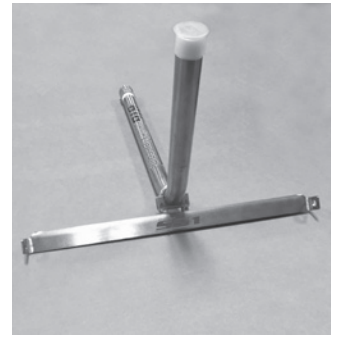
Sprinkler Cart Body

Cart Assembly Instructions

STEP 1) BODY ASSEMBLY

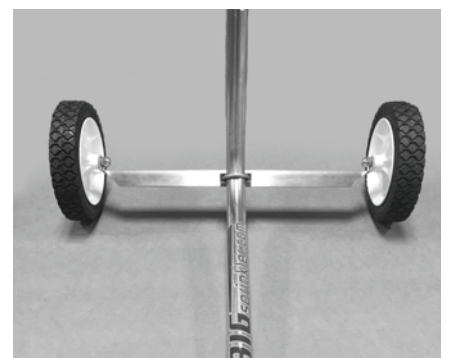
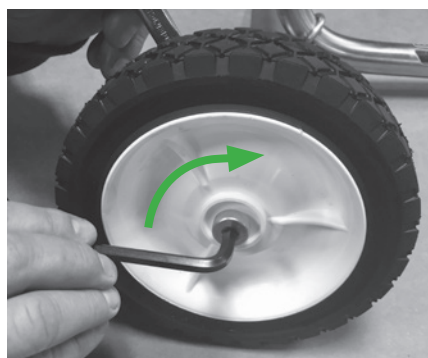
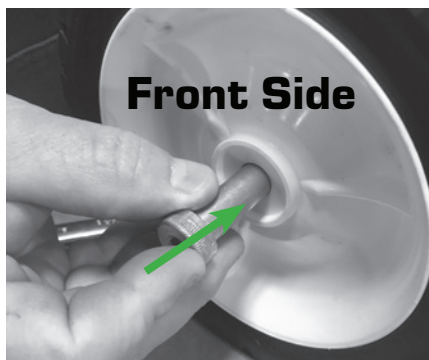
First, assemble the axle to the main body. Holding the axle with the end tabs pointed up, align and insert the threaded ends of the u-bracket on the main body through the 2 holes in the axle. Next, secure the axle to the body by placing (1) washer and (1) 1/4" acorn nut on each of the threaded ends. Tighten using a 7/16" wrench.

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



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 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 the upper portion of the sprinkler.



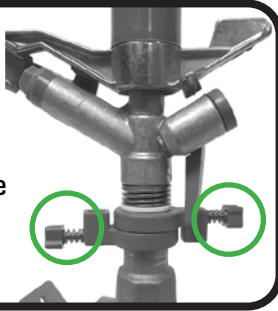
STEP 4) Position sprinkler cart in area to be watered and attach cart to garden hose. Sprinkler cart is ready for operation. **NOTE:** Always run water through your garden hose to flush out before hooking it up to your sprinkler cart. Doing so will prevent anything from clogging the sprinkler when running.

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

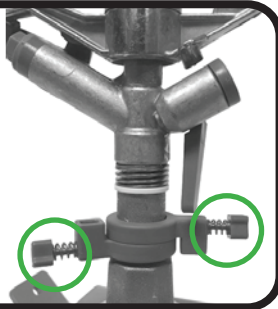


Impact Sprinkler Adjustment

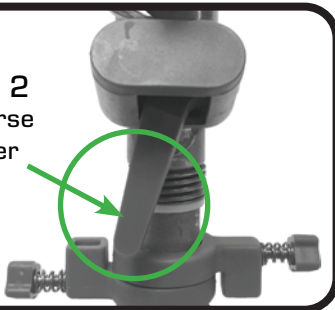
Step 1
Part Circle



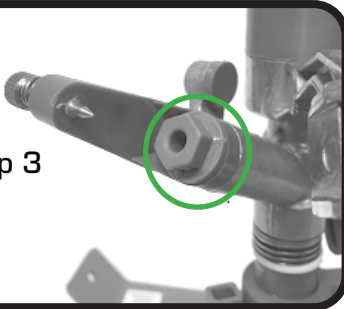
Step 1
Full Circle



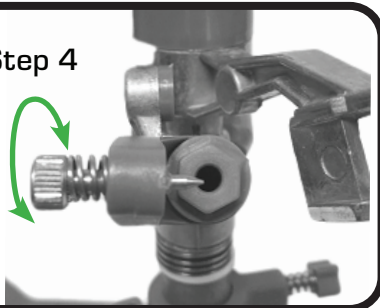
Step 2
Reverse
Lever



Step 3



Step 4



Step 1) Setting your Sprinkler head for Full Circle or Part Circle Operation
For "Full Circle" operation, loosen sprinkler stop, set screws as shown, and slide stops all the way down the brass sprinkler base so the reverse lever on the back of the sprinkler head does not make contact with the stops as it rotates. Retighten set screws to hold the stops in place. This will allow the sprinkler head to operate in a full circle mode.

For "Part Circle" operation, loosen sprinkler stop set screws as shown and slide both stops all the way up. Rotate the stops apart from each other to achieve the desired part circle coverage before tightening the set screws to lock the stops in place.

Step 2) IMPORTANT: REVERSE VS. FORWARD MODE

If you set the sprinkler head for full circle operation, the reverse lever will either stay to the right or left for reverse or forward mode. Typically when using the sprinkler in full circle operation, you will want the sprinkler to be set in forward mode or a clockwise operating direction. For this to occur, you want the reverse lever at the back of the sprinkler to be over to the left as shown. If the lever is set to the right, the sprinkler will be in reverse mode. In reverse mode, the sprinkler will operate rapidly in a counterclockwise direction and your distance of throw will be less than it would be in forward mode.

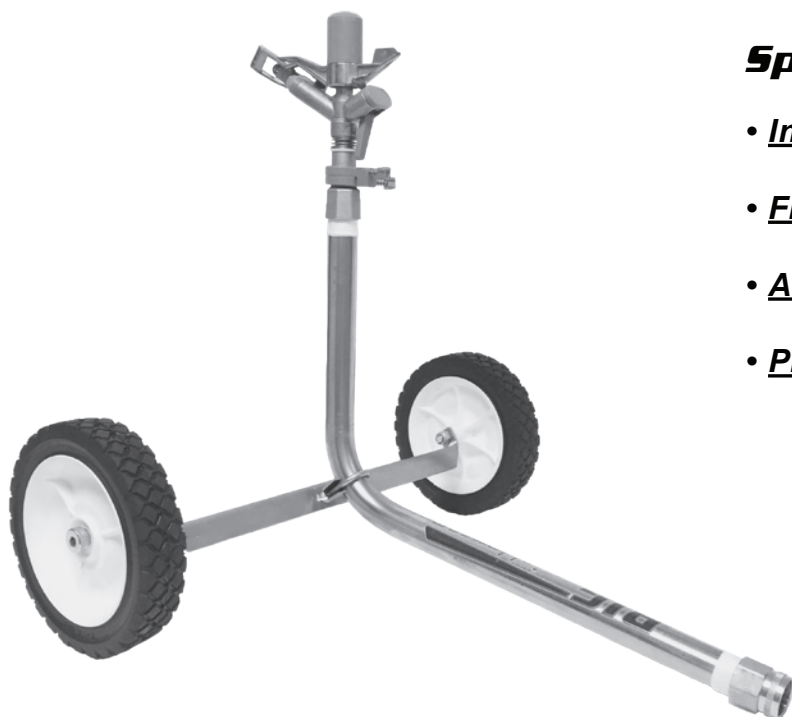
Step 3) Changing Nozzles: Your sprinkler head is supplied with a set of nozzles that are interchangeable to meet your water source's capability. It is shipped with the smallest nozzle installed. If your water system operates the small nozzle adequately then, you may move up to a larger nozzle size for increased performance. The nozzle sizes listed on your supplied performance charts have gallons per minute output that tally at various pressures and wetted patterns that correspond. This may be a trial and error exercise to determine which nozzle size gives you the best desired performance when matched to your water source's capability. If you are on well water then you may feel more comfortable consulting your servicing well dealer for help with your system's capability if desired performance is not being met.

It may also be necessary to purchase a booster pump from our pump section of BigSprinkler.com if pressure boosting is needed.

Step 4) Adjusting the sprinkler spray with the "Diffuser Screw"

Turning the diffuser screw to the right as shown will cause the tip of the screw to cross into the path of the water spray. Doing this will help break the stream pattern to allow for more of an even coverage if needed along with reducing the overall spray distance.

SS1 Sprinkler Cart Chart



Specifications:

- **Inlet Size:** Garden Hose Connection
- **Flow Rates:** 3 – 11 GPM
- **Available Nozzles:** 4mm, 5mm, 6mm
- **Pressure Range:** 25 - 60 PSI

R3S Max Drive (30° Trajectory) 0.75" FNPT Connection

PSI	Nozzle 4mm (.16")		Nozzle 5mm (.20")		Nozzle 6mm (.24")	
	GPM	Diameter	GPM	Diameter	GPM	Diameter
25	3.4	77	5.2	82	8	88
30	3.8	80	5.9	85	9	92
35	4	82	6.4	89	9.5	96
40	4.2	85	7.2	92	10	99
45	4.7	87	7.5	95	10.5	102
50	5	90	7.8	98	11	104

Accessories



Garden Hose



Hose Kits & Fittings



Booster Pumps

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.