Polyplanter Junior User's Manual

distributed by

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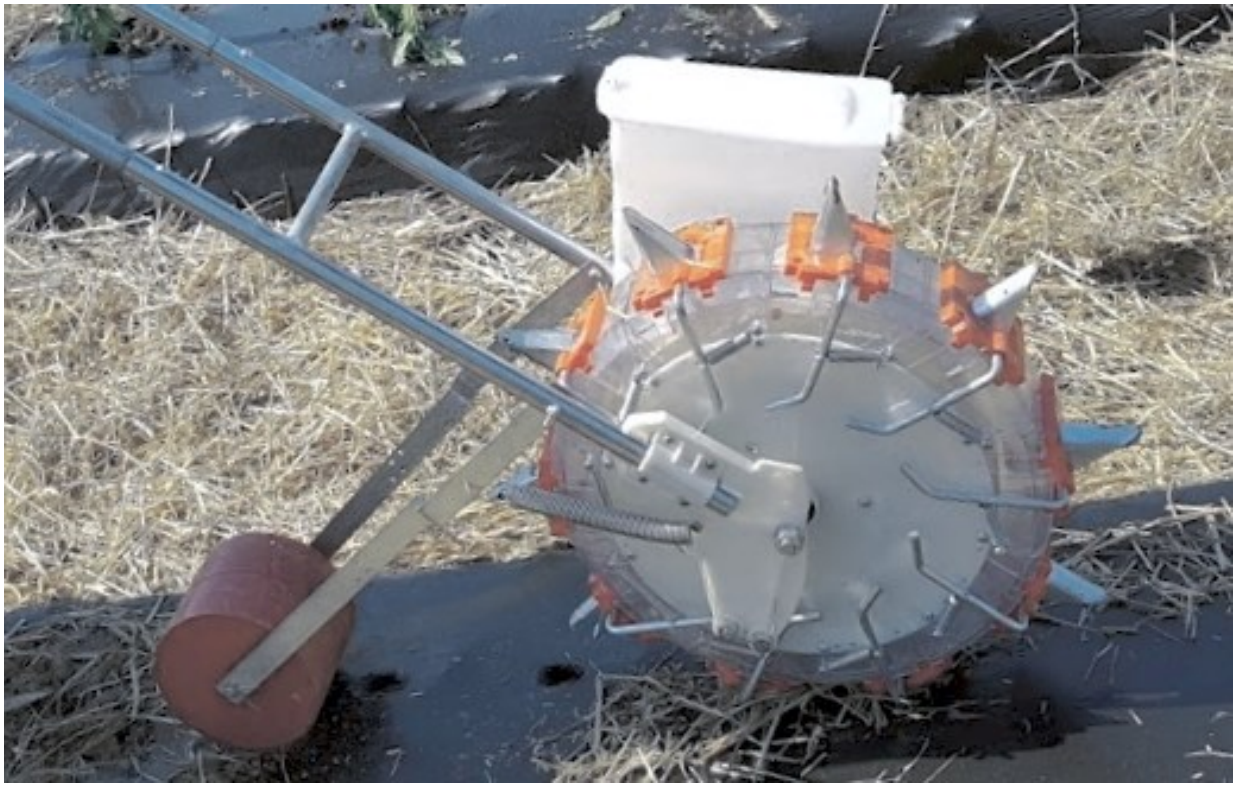


Introduction

The Polyplanter Junior is a mini seeder that can be used by one person. The Junior will enable you to sow numerous seeds through plastic and on bare ground. You can plant seeds as small as coated lettuce and as large as lima beans.

The Junior comes with 14 seed discs. You can plant one seed per drop or 2 seeds per drop. You are also able to adjust the in-row spacing from 6" to 30" by adjusting the beaks. This takes about 20 minutes to do.

The Junior is made from hard durable plastic and is a time saver. It is easy to push at a nice comfortable walking speed and requires no bending over. It weighs less than 25 lb., so it is easy to carry and push down the row.

Contents

Bag of parts with Phillips head screwdriver

- 4 Clevis Pins with Cotters
- 10 Springs
- 20 Screws
- Small Spacers
- Large Spacers

Upper Handle

Lower Handle

Roller Assembly

14 Seed Plates

Planting head with hopper complete


Bag of Parts


Planting Head with Hopper


Roller Assembly with Soil Cover Attachment


Seed Plates


Upper and Lower Handles

Tools Needed for Assembly

¾ inch Wrench

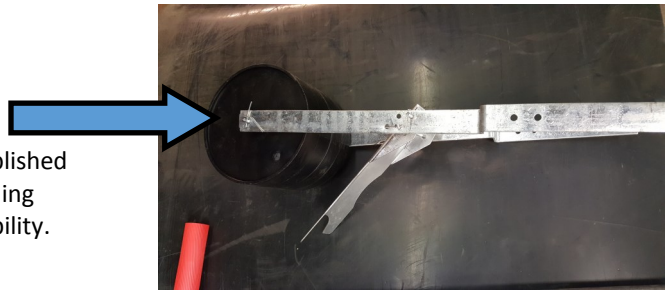
Small Phillips Screwdriver

Small Flat Head Screwdriver

Initial Assembly

Step 1: Remove all items from the packaging

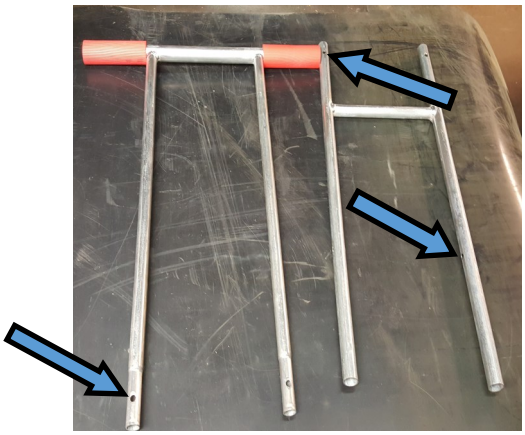
Step 2: If you are planting with plastic, remove the soil cover attachment from the roller assembly. This can be accomplished by removing the cotter pins and removing the long pins holding the attachment. Replace the pins and cotters for added stability.



Step 2

Step 3: Handle Assembly – Insert the Upper handle into the Lower Handle and secure with two (2) clevis and cotter pins.

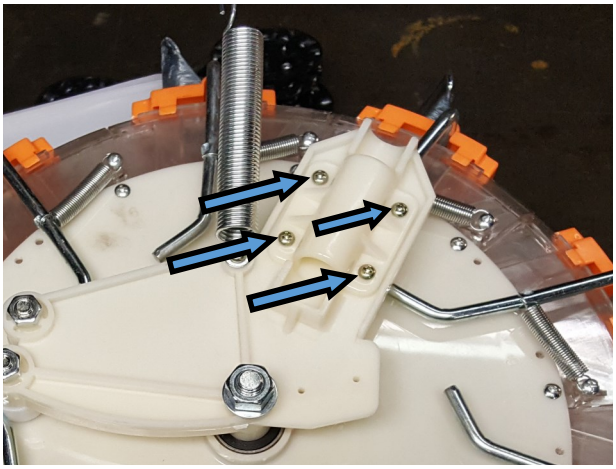
Step 4: Attach the roller assembly to the handle by lining up the holes and inserting two (2) clevis and cotter pins.



Step 3 and Step 4

Step 5: After loosening the screws of the handle holders, slide the handle/roller assembly into the planting head with the roller assembly facing down and away from the hopper. Secure the handle by tightening down the screws on each side of the planting head.

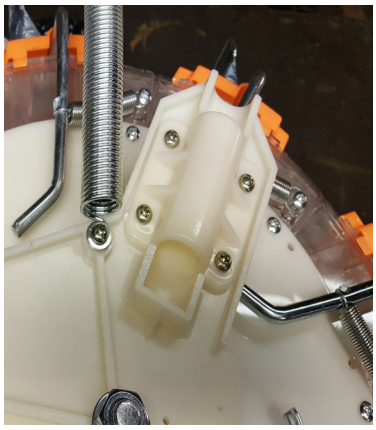
Assembly complete!



Step 5

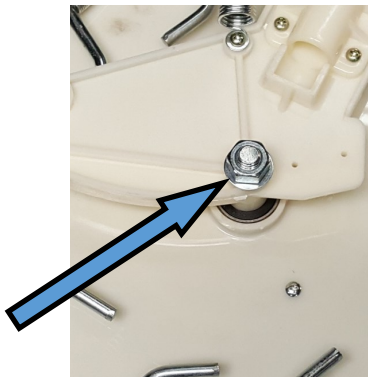
Changing Spacing

Step 1: Remove handle by unscrewing four (4) bolts on each side of the planting head. Remove both springs and the handle will remove easily.

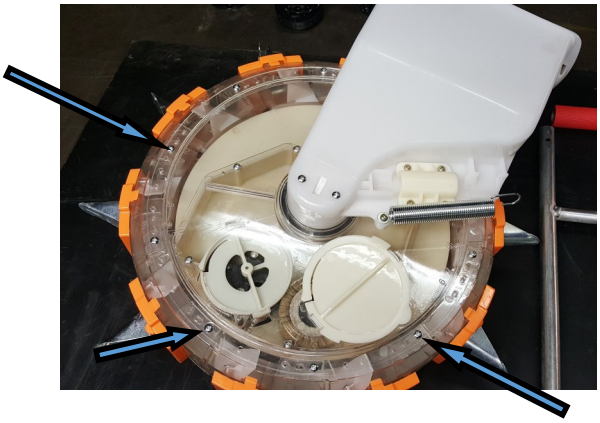


Step 2: Remove nut that holds hopper on using a ¾ inch wrench. Remove the large plastic piece that holds the handle in place.

Step 3: Flip over planting head.

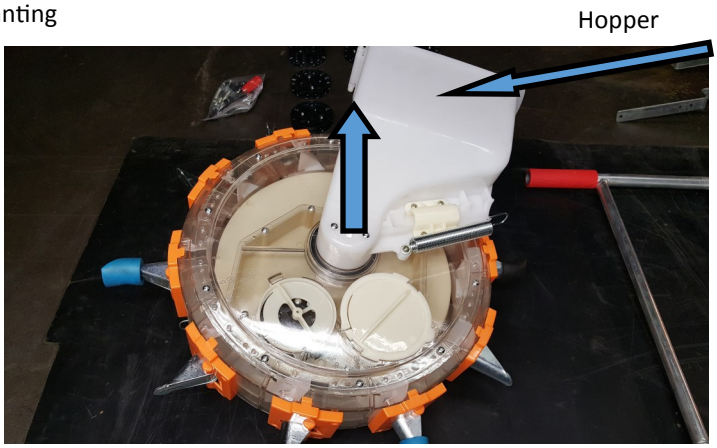


Step 4: Using a Phillips head screwdriver remove the ten (10) screws that hold the points in.



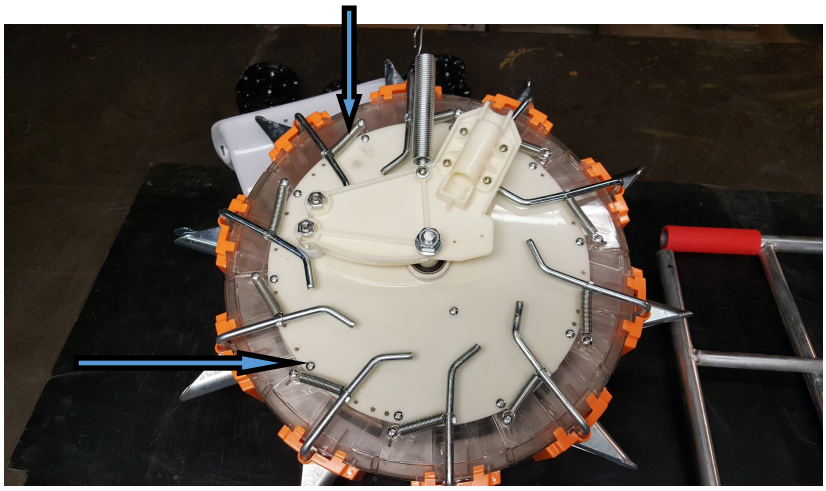
Note: In lieu of changing the number of beaks on your Poly-planter Jr., if you are looking for a seed to drop every other beak point, you can use a 7 cell seed disk. Should the cavity be too large for your seeds, fill it with Bondo and carve out a cavity to fit the seed. (See troubleshooting)

Step 5: Pull hopper straight up and remove from the planting head.

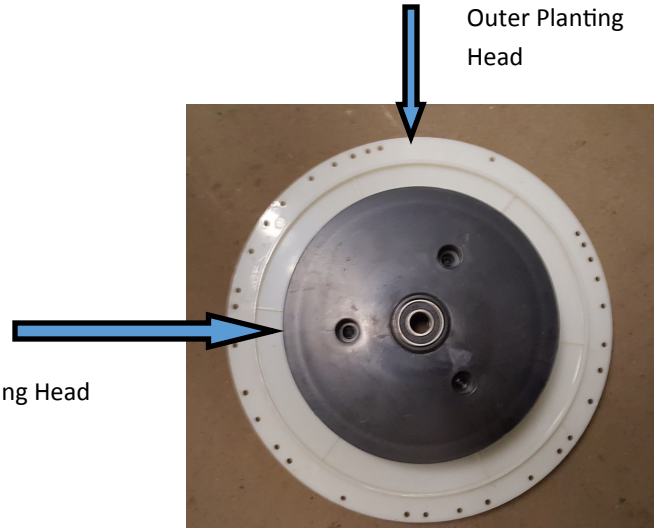


Step 6: Flip over planting head.

Step 7: Remove springs that are attached to screws so that the point arm moves freely. Using a Phillips head screwdriver remove the ten (10) screws holding the points in. At this point, you should be able to remove the ten (10) points from the planting head.

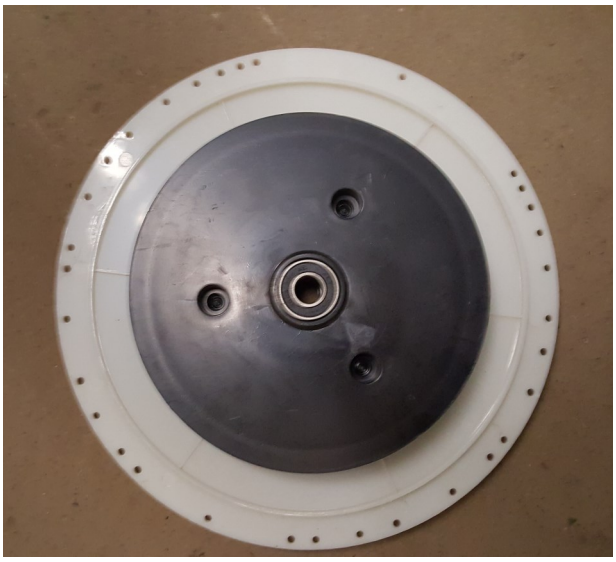


Step 8: Remove the black spacers from the inner planting head with a small flat head screwdriver (small inner circle attached to the larger plastic circle that holds the points)



Determine Spacing

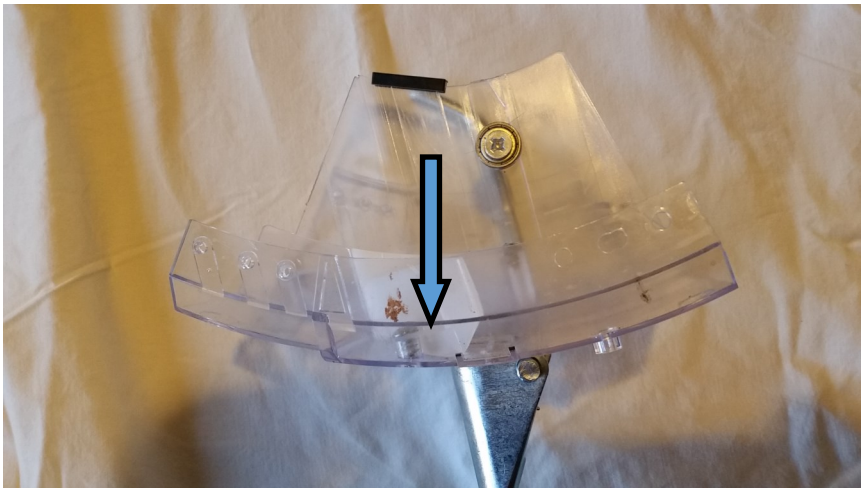
Depending upon the specific spacing that you need will determine how you reassemble the points on the planting head. For example, if you want to make a six (6) head or less, you will need the large spacers for this process. Eight (8) head or greater, you will need the small spacers.



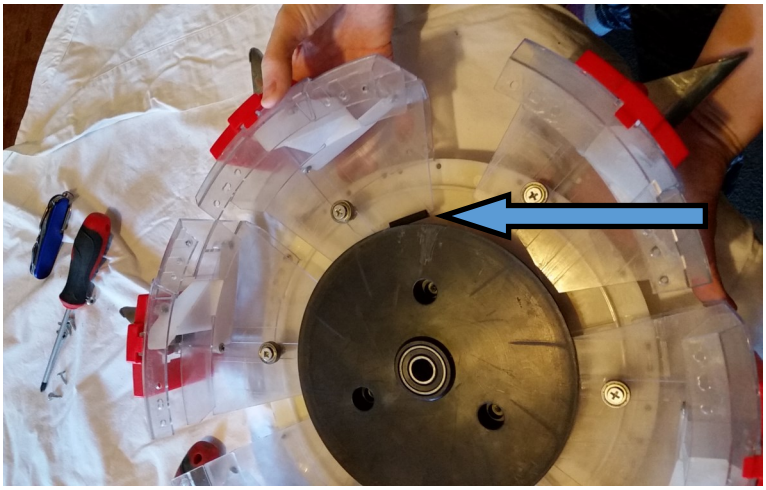
Example: Making a six (6) head

Step 1: Place the planting head on your work area with the large planting head on the surface and the small planting head facing up.

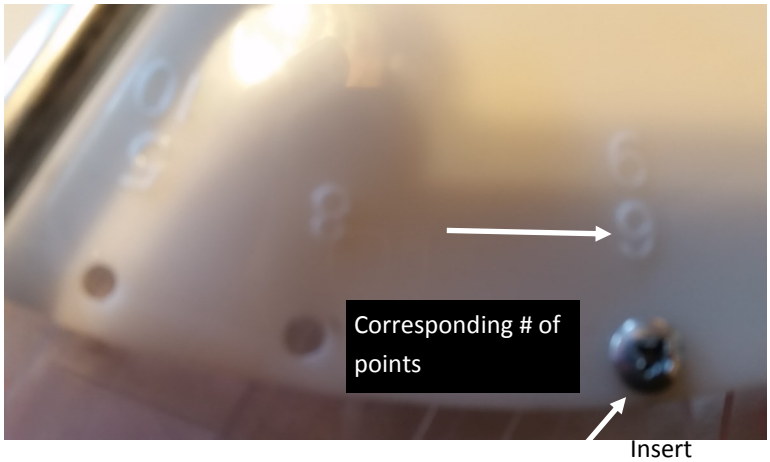
Step 2: Place a large spacer on the larger plastic lip of the point behind the bearing.



Step 3: Slide the spacer into the groove on the inner planting head taking into consideration the number on the outer ring corresponding to the number of points you are placing on the planting head.



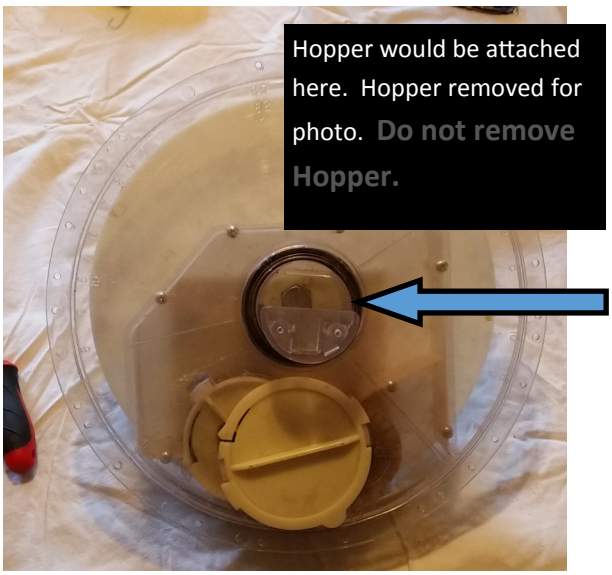
Step 4: Holding it in place turn the planting head over and place a screw in the corresponding number. In this example, place the screw in the far right space showing the number six (6).



Step 5: Repeat until the needed number of points has been reached on the planting head. Make sure that the screws are tightened down.

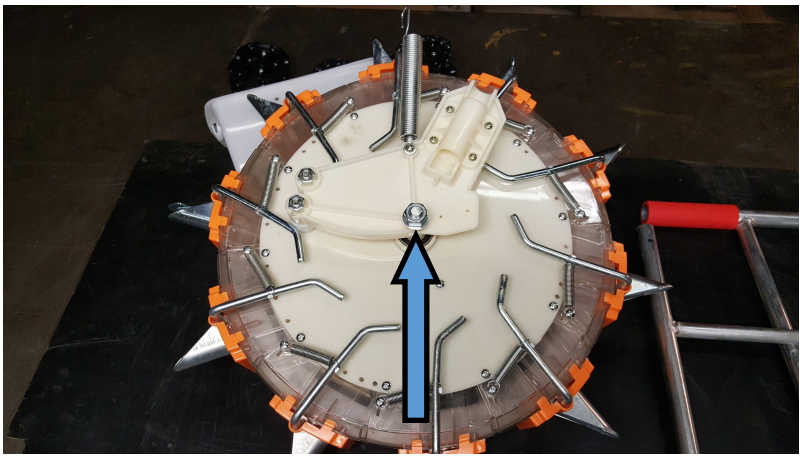
Step 6: Flip the planting head and points over.

Step 7: Reattach the hopper making sure that the corresponding number matches the points placed on the head. Place a screw in each corresponding number. At this time you may want to add additional screws to make sure the points are firmly attached.



Step 8: Reattach the springs to the point arms.

Step 7: Secure the hopper with the nut using a ¾ inch wrench. Place handle back on the Polyplanter Jr. and secure it with the 4 bolts and reattach the springs.



Spacings that can be achieved with the Polyplanter Jr.:

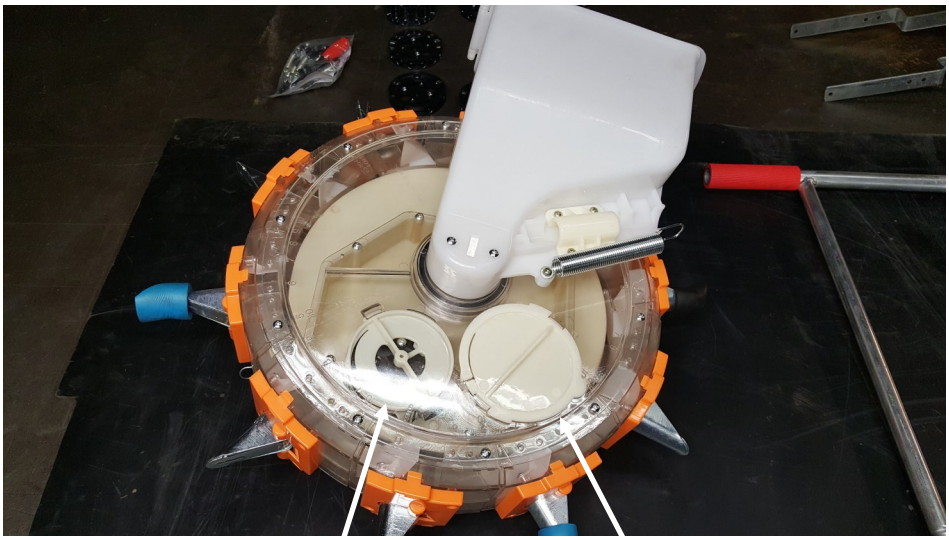
10 head	6"
9 head	6.7"
8 head	7.5"
7 head	8.6"
6 head	10"
5 head	12"

See Troubleshooting to achieve additional spacing options.

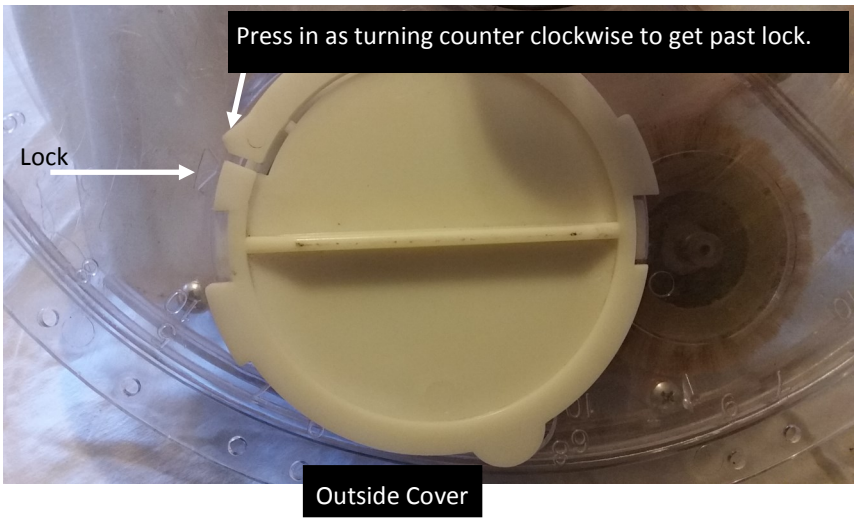
Note: You can achieve 24” spacing by using 5 beak points and a 7 cavity seed plate. This will cause a seed to be dropped every other hole.

<u>Changing Seed Plates</u>

Step 1: Spin the hopper until the circles align.

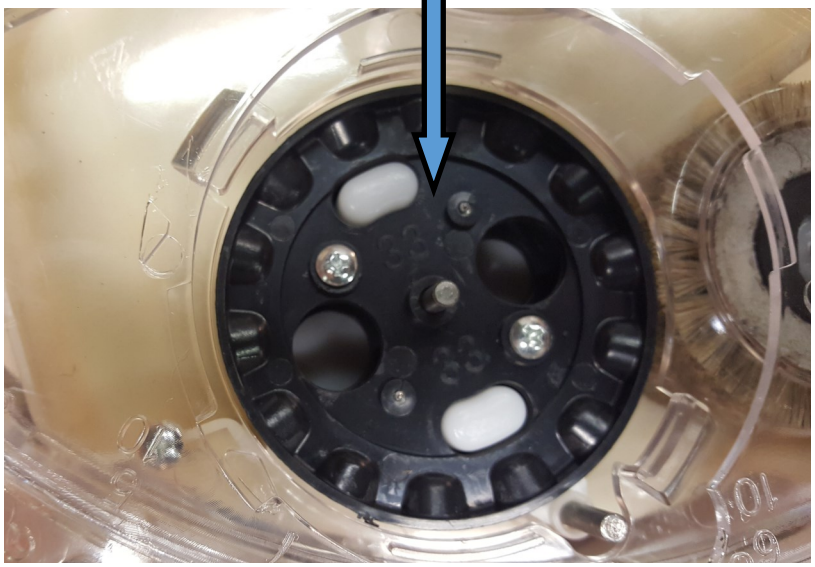


Align



Step 3: Carefully remove the seed plate being sure not to lose the small plastic seed ejector if applicable. If needed remove the “0” seed plate, in order to insert a large seed plate.

Seed Plate



Step 4: Install the new seed plate ensuring the small plastic seed ejector is in the groove if necessary.

Step 5: Replace both round covers.

To Begin Planting

After choosing seed plate and spacing, we are ready to begin planting.

Step 1: Place seed in hopper.

Step 2: Once seed has been placed in the hopper, it is important to carry the Polyplanter Jr. until ready to plant.

Step 3: In order to prime Polyplanter Jr., hold the Jr. and spin the head until seed is being released from the points.

Step 4: Begin planting.

Shows typical planting depth

Seed Plates

7 hole seed plates plant 1 seed per every other beak point

14 hole seed plates plant 1 seed per every beak point

28 hole seed plates plant 2 seeds per every beak point

Troubleshooting

If you find that you are loosing seeds, remove the seed plate and flip it over.

Gap Free Method

If flipping over the seed plate does not solve your problem, please try this method.

Spacings available: (spacings are estimated)

Using 10 points: 10 head—6" spacing

5 head—12" spacing (every other)

2 head—30" spacing (remove 2, leave 1)

Using 9 points: 9 head—9.7" spacing

6 head—10" spacing (every other)

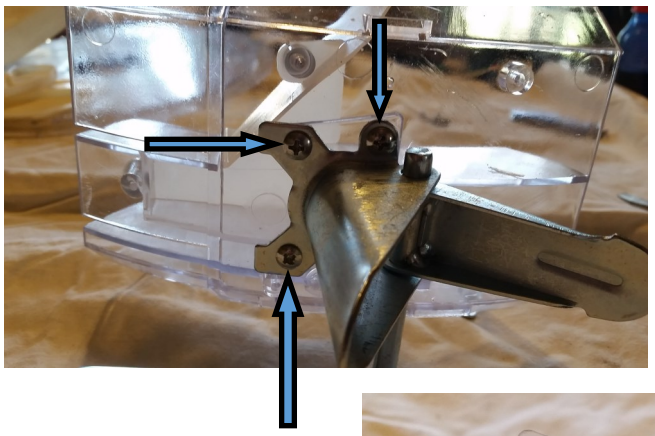
3 head—20" spacing (remove 2, leave 1)

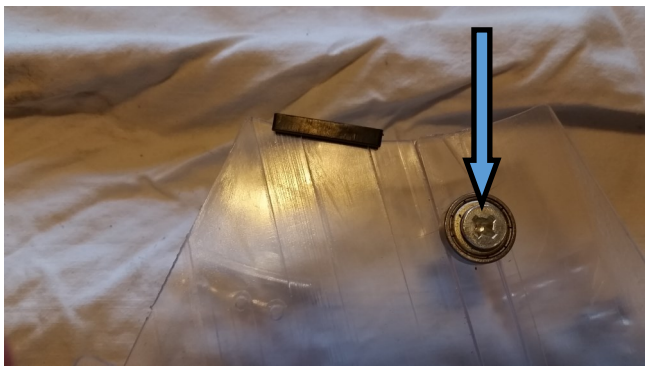
Using 8 points: 8 Head—7.5" spacing

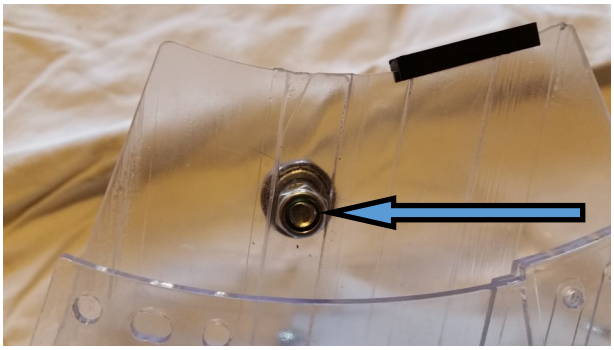
4 head—15" spacing (every other)

Step 1: Based upon the desired spacing, you will need to remove every other or remove two, leave one of the beak point housings from the planting head.

Step 2: Remove the planting point and the bearing from each of the unnecessary housings.







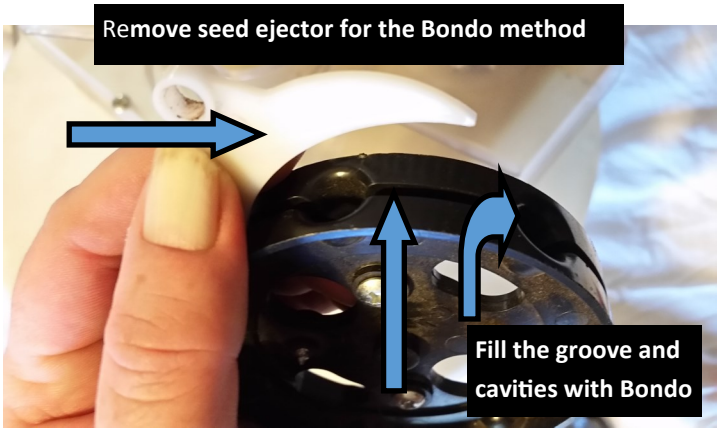
Step 3: Return the pointless and bearing-free housings to the planting head.

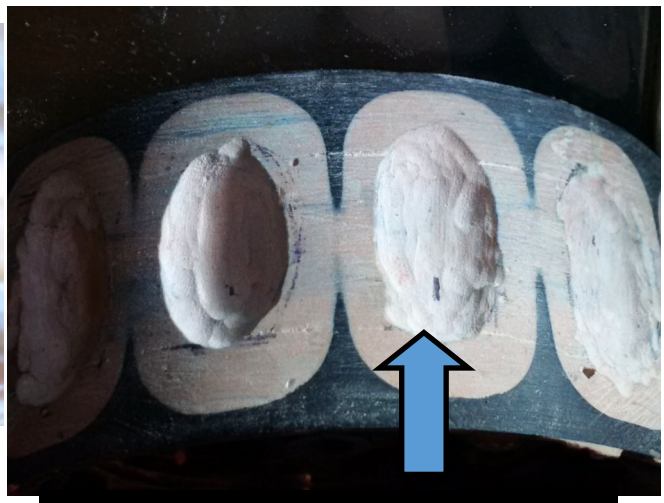
Step 4: Assemble the planting head per the directions for 10, 9, or 8 head.

Troubleshooting continued...

Can't find a seed plate small enough for seed size:

If you find that you don't have a seed plate small enough for some of the smaller seeds, we have found a work around. Use the blank seed plate, fill the cavities and groove with Bondo, carve out a cavity small enough to fit the wanted seed. When you insert the seed plate back into the Polyplanter Jr, do not use the small plastic seed ejector.





This is an example of a 7 cavity plate which will drop every other beak.

Seeds getting stuck in groove for ejector:

If you find that while planting small seeds, they are getting stuck in the groove for the small plastic seed ejector, fill the groove with Bondo. When inserting the seed plate back into the Polyplanter Jr. omit inserting the small plastic seed ejector back into the seed plate cavity.

Seeds dropping between beak points

If you find that your seeds are dropping in between the beak points instead of in sync with the beak points, try opening the Polyplanter Jr up and rotate the star one point in an effort to resync the seed plate with the beak points.

We are working on a more complete manual. Please check the Ferris Farm, Inc. website for any updates available to the User's Manual.

http://www.ferrisfarm.net/polyplanterJr.html

As always, we are looking for your feedback and suggestions on making the planter better and easier to use. If you have any feedback, questions, or concerns, please contact us at **(724) 946-2973** or **jeanice@ferrisfarm.net**.

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