

Hoss Seeder Attachment Instructions



Parts List

(See the Exploded Drawing on page 8 for individual components)

The following parts are included in your Hoss Seeder Attachment package:

- 1 - Seeder Attachment with 6 Seed Plates (#1 - #6)
- 2 - 3/8" x 1" Carriage Bolts
- 2 - 3/8" x 1 1/2" Carriage Bolts
- 4 - 3/8" Flange Nuts

The following are included in the (optional) Row Marker kit:

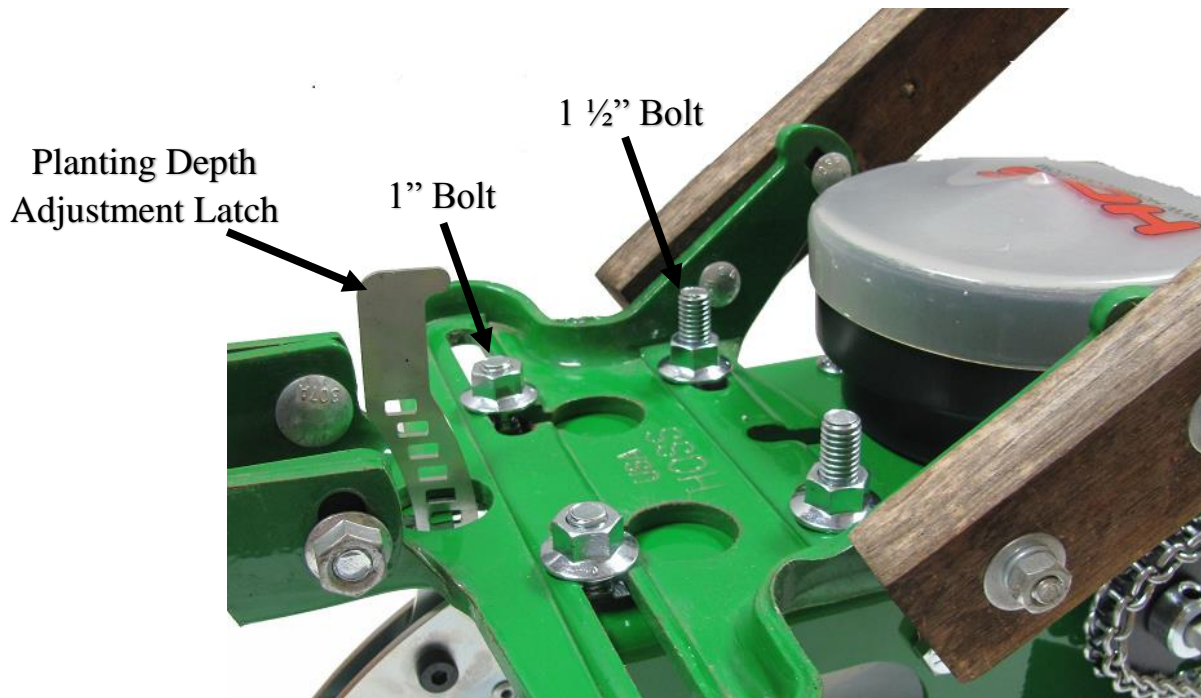
- 1 Row Marker assembly
- 2 - 3/8" Flange Nuts

Tools Required

- 9/16" Wrench

Attach the Seeder Attachment to your Wheel Hoe

The Hoss Seeder Attachment will only fit the Hoss Wheel Hoe and the Planet Jr Wheel Hoe.



- 1) Set the planting depth level to the $\frac{1}{4}$ " position (as shown in photo).
- 2) Position the Wheel Hoe onto the Seeder Attachment as shown. The planting depth adjustment latch will insert through the front, center hole on the Wheel Hoe tool bar.
- 3) Insert one carriage bolt from the underside, and lightly fasten with a flange nut using a $\frac{9}{16}$ " wrench.
- 4) Shift the Wheel Hoe until it is centered on the Seeder Attachment. Insert the three remaining carriage bolts and lightly fasten with the flange nuts using a $\frac{9}{16}$ " wrench.
- 5) Snuggly tighten all four nuts. Do not over-torque.

Set the Planting Depth

The Hoss Seeder Attachment can plant seeds from $\frac{1}{4}$ " to $1\frac{1}{2}$ " deep in $\frac{1}{4}$ " increments. The depth is set using the latch at the front of the seeder (see photo above). The latch has six holes to provide the following planting depth options: $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", $1\frac{1}{4}$ ", and $1\frac{1}{2}$ ".

To change the planting depth just tilt the attached Seeder back on the rear compactor wheel (this lifts the Wheel Hoe's front wheel off the ground) and then move the latch to the desired position.

Select a Seed Plate

Use the chart on the next page to select the Seed Plate # that matches your needs.

Seed plates #1 - #6 are supplied with every Hoss Seeder Attachment.

Seed plates #7 - #10 are available as optional accessories.

*Note that the recommended crops for each Seed Plate are only a reference for the type of seeds that one should be able to plant based on the size of hole in the Seed Plate and the general size of seeds for that crop.

Because of the variation in seed sizes among crops, it is impossible to design a “one size fits all” seed plate for each crop. Therefore, depending on the variety you’re planting, you may need to move up to a larger # Seed Plate or move down to a smaller # Seed Plate. You can also drill out the holes a bit to make them large enough so that your seed fits through the hole (see example below). Stock hole diameters are listed in the chart on the next page.



Seed Plate #6 with Contender Green Beans. Notice the holes in the plate are too small and will need to be drilled larger.



Seed Plate #6 with Contender Green Beans. Holes have been drilled large enough so that bean seeds lay flat in the holes and can easily fall through the plate.

If you plant multiple varieties of a particular crop, we recommend purchasing our blank, Customizable Seed Plates. These blank plates allow you to customize a Seed Plate for each crop variety. You can then write that variety on the plate with a permanent marker, making it easy to reference year after year. We have blank plates available for each thickness of the stock drilled plates - 3/32”, 3/16”, and 1/4”.

Spacing Options: The chart on the next page also shows the stock spacing for each Seed Plate. In one rotation of the Seed Plate, the Seeder Attachment will cover 19” of ground, so stock spacing is calculated by dividing 19” by the number of holes in the Seed Plate. Optional spacing is also attainable by using tape to cover some of the holes on a Seed Plate. This is best done by applying small pieces of masking tape over holes on the **BOTTOM** of the seed plate (the brush will remove tape if placed on top). Make sure the holes covered are opposite one another, so that the optional spacing desired is equal among the remaining holes.

Customizable Seed Plates and Drill Template are available at www.hosstools.com.

Seed Plate #	Crop	Hole Diameter	Plate Thickness	Stock Spacing	Optional Spacing
1	Broccoli, Cauliflower, Cabbage, Turnips, Mustard, Rutabaga, fine seeds	3/32"	3/32"	2-3/8"	4-3/4", 9-1/2", 19"
2	Onion, small coated seeds	11/64"	3/32"	3-1/8"	6-3/8", 9-1/2", 19"
3	Okra, pelleted: Carrots, Lettuce, Chard, Beets	1/4"	3/16"	3-1/8"	6-3/8", 9-1/2", 19"
4	Small Sweet Corn, Popcorn	1/2"	3/16"	4-3/4"	9-1/2", 19"
5	Small Beans and Peas	3/8"	1/4"	3-1/8"	6-3/8", 9-1/2", 19"
6	Medium Beans, Peas, Large Sweet Corn, Field Corn	9/16"	1/4"	4-3/4"	9-1/2", 19"
Seed Plate #	Crop	Hole Diameter	Plate Thickness	Stock Spacing	Optional Spacing
7	Spinach, Radish, Leek, Asparagus	5/32"	3/32"	3-18"	6-3/8", 9-1/2", 19"
8	Cucumber, Watermelon	13/32"	3/32"	9-1/2"	19"
9	Large Beans, Butterbeans, Lima Beans	19/32"	3/16"	9-1/2"	19"
10	Squash, Pumpkin	21/32"	3/16"	19"	-

To Fill and Empty the Hopper

The seed hopper can easily be removed from the Seeder Attachment for changing the seed plates.



- 1) Remove the wing nut from the center of the hopper.
- 2) Lift up the hopper and all of its contents (seeds, brush, cone, seed plate).
- 3) While holding down on the brush with your thumb, dump the remaining seeds.
- 4) Remove parts from inside the hopper and switch to a new seed plate.
- 5) Replace the hopper and all its parts onto the Seeder Attachment. Tighten the wing nut until lightly snug. Add new seeds.

Seeder Attachment Maintenance

The Hoss Seeder Attachment is a rugged tool that is easily maintained. Following these few steps will keep it running smoothly for a long time.

End of Season Maintenance:

- Remove all seeds from the hopper and wipe it clean.
- Spray a small shot of WD-40 into each axle bushing. This is best done along the flat side of the axle from the underside of the machine.
- Spray the drive chain and the furrower's two pivot bolts with WD-40.
- Rotate the compactor wheel a few times to distribute the lubricant.

Beginning of Season Maintenance:

- Repeat the same three lubricating steps listed above.
- Check that all bolts and the shaft collars are fastened snugly.

Repair and Replacement Parts

Use the exploded diagram on the last page to identify replacement parts. Replacement parts may be ordered by contacting us at 1-888-672-5536.

One Year Warranty

Parts found to be defective in design or workmanship within one year from date of purchase are covered under warranty. We encourage your feedback in these areas at any time.

What Is Covered - This warranty covers any defects in materials or workmanship, with the exceptions stated below.

How Long Coverage Lasts - This warranty runs for one year from the date of purchase.

What Is Not Covered - This warranty does not cover discoloration caused by exposure to sunlight or chemicals.

What We Will Do - Hoss Tools will repair any item that proves to be defective in materials or workmanship. In the event repair is not possible, Hoss Tools will either replace your item with new item of similar composition and price, or refund the full purchase price of your item, whichever you prefer.

How To Get Service – Contact Hoss Tools at 1-888-672-5536 or www.hosstools.com. A representative will take any necessary action to correct problems covered by this warranty.

Troubleshooting Tips

- Use clean, uniformly sized seeds.

If you are using heirloom-type seeds, be sure to clean and sort your seeds before loading into the hopper of the Hoss Seeder Attachment. It is impossible to design a mechanical seeder that will plant a batch of seeds that are not all relatively the same size. Remove the larger seeds from the batch through sorting, and clean the seeds to remove any excess dust or dirt that could get in between the Seed Plate and the hopper of your Seeder Attachment.

- Use pelleted seed for carrots, beets, radishes, lettuce, chard, etc.

For these small seed types, you must use the coated/pelleted version of these seeds in your Hoss Seeder Attachment. Due to the lack of size uniformity with the native seeds of these crops, it is necessary to use the uniform, pelleted versions. Pelleted seed can easily be found online for all the above mentioned crops.

- Test your Seeder before planting.

We recommend that you do some preliminary tests with each new batch of seed to ensure you receive accurate results in the field. This can be done by simply loading a small amount of seed into the hopper and making sure the seed is being metered out of the seed tube at the correct rate. You can place the Seeder on top of a bucket or pan and spin the rear wheel, or raise the planting depth level all the way up and push the Seeder along a flat surface, such as a concrete slab. Check to make sure seeds are dropping out as frequently as a hole in the Seed Plate is passing over the seed drop tube.

- Don't keep pushing the Seeder when it jams.

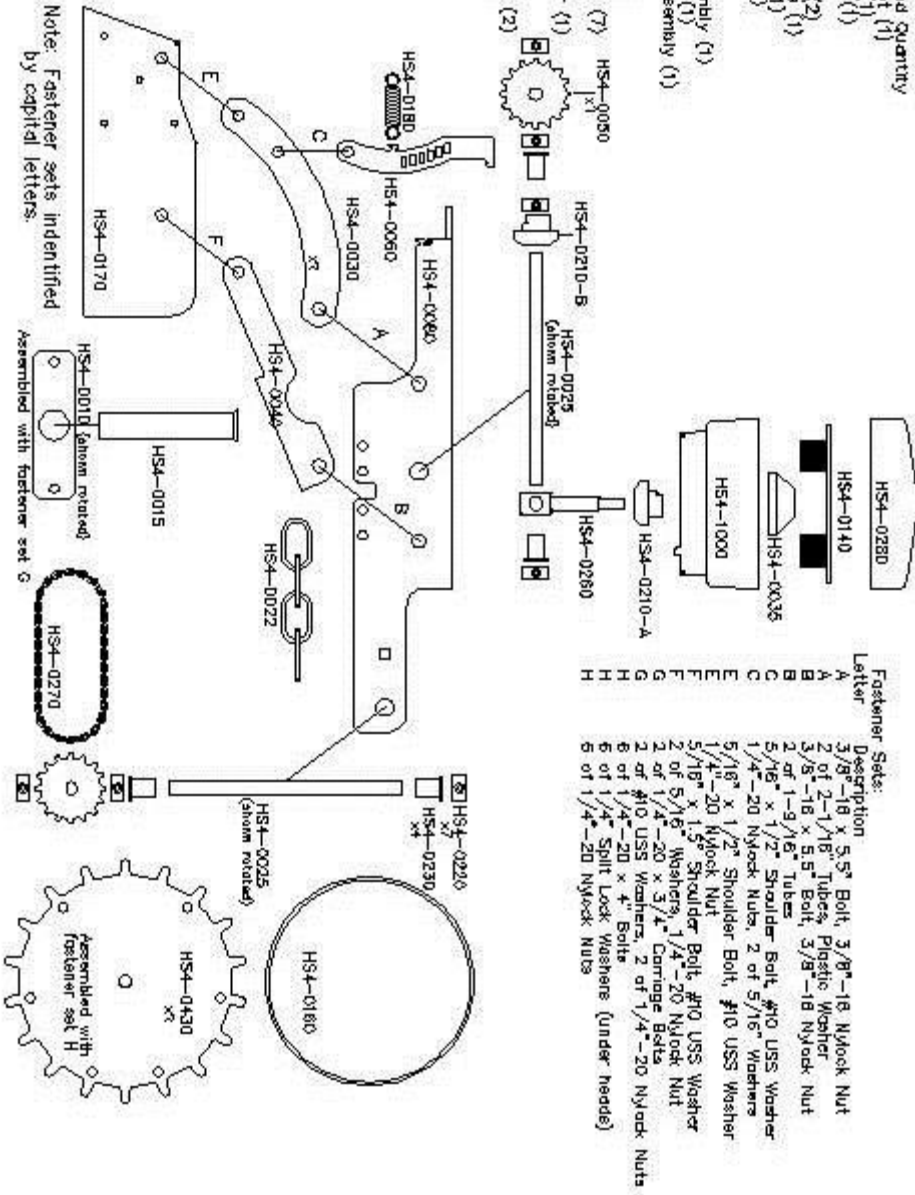
If your Seeder Attachment jams because of an unusually large seed, do not continue to push it. Simply raise up the handles of the Wheel Hoe, lifting the rear wheel of the Seeder Attachment off the ground, and spin the rear wheel of the Seeder Attachment backwards with your foot. This will dislodge/kick out the large seed without causing any damage to the Seeder Attachment itself.

- Plant in loose, but firm soil.

Freshly roto-tilled soil tends to be very fluffy and have lots of air space within it. If you use a roto-tiller, we recommend watering or waiting a few days between tilling and planting. This will ensure you get the best soil-to-seed contact when planting.

Number	Description and Quantity
HS4-0010	Tube Bracket (1)
HS4-0015	Seed Tube (1)
HS4-0022	Drag Chain (1)
HS4-0025	Axle (2)
HS4-0030	Front Arm (2)
HS4-0035	Center Cone (1)
HS4-0040	Rear Arm (1)
HS4-0050	Sprocket (2)
HS4-0060	Latch (1)
HS4-0080	Frame (1)
HS4-0140	Brush Assembly (1)
HS4-0160	Mixer Tube (1)
HS4-0170	Furrower Assembly (1)
HS4-0180	Spring (1)
HS4-0210-A	Gear A (1)
HS4-0210-B	Gear B (1)
HS4-0220	Shaft Collar (7)
HS4-0230	Brushing (4)
HS4-0280	Gear Aligner (1)
HS4-0270	Chain (1)
HS4-0280	Cover (1)
HS4-0430	Wheel Slider (2)
HS4-1000	Hopper (1)

Fastener sets identified by capital letters.



Note: Fastener sets identified by capital letters.

Assembled with fastener set G

Assembled with fastener set H