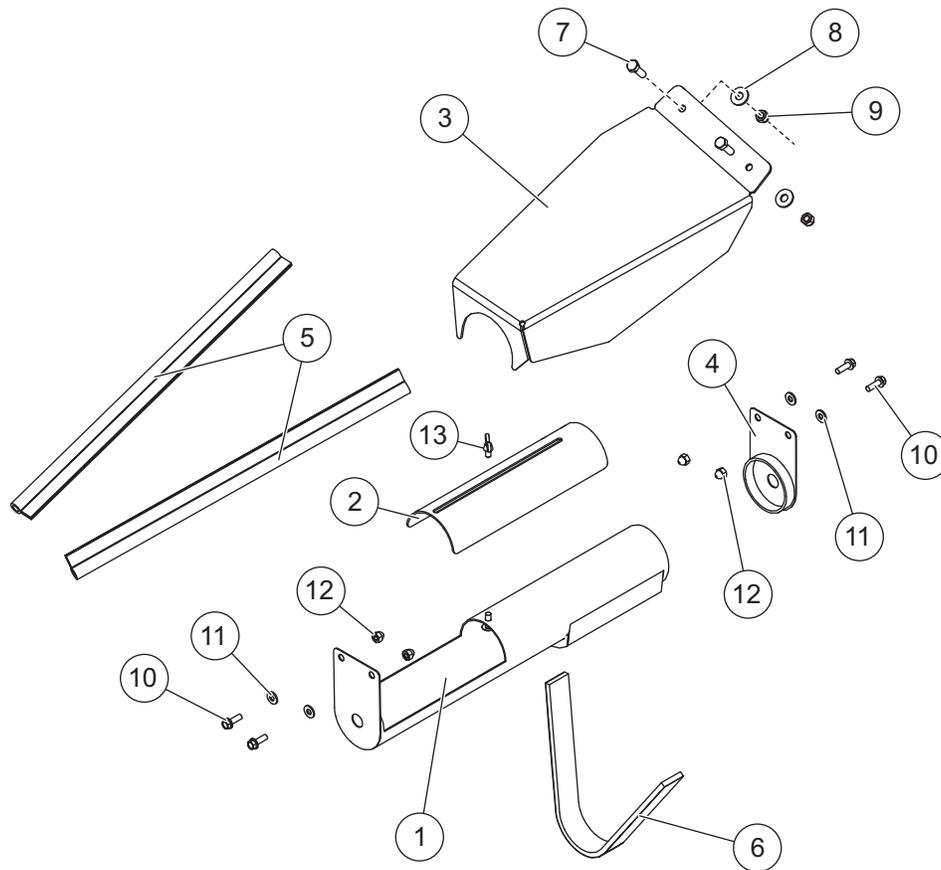


# Auger Tube Restrictor Kit

## 0.5 cu yd Hopper Spreaders

### PARTS LIST



| 51107 Auger Tube Restrictor Kit |       |     |                                 |                      |       |     |  |
|---------------------------------|-------|-----|---------------------------------|----------------------|-------|-----|--|
| Item                            | Part  | Qty | Description                     | Item                 | Part  | Qty | Description                                    |
| 1                               | 88275 | 1   | Auger Tube                      | 8                    | 90313 | 2   | 5/16 Flat Washer                               |
| 2                               | 88277 | 1   | Gate Slide, Auger Tube          | 9                    | 91332 | 2   | 5/16-18 Hex Locknut GB                         |
| 3                               | 88278 | 1   | Material Baffle TRK-3000        | 10                   | 51031 | 4   | 1/4-20 x 3/4 Hex Cap Screw, Serrated Flange SS |
| 4                               | 88276 | 1   | End Cap, Auger Tube             | 11                   | 50969 | 4   | 1/4 Flat Washer SS                             |
| 5                               | 88281 | 1   | Edge Grip Seal - 36"            | 12                   | 50970 | 4   | 1/4-20 Hex Locknut Waxed SS                    |
| 6                               | 88282 | 1   | 1-1/4" Adhesive-Back Foam - 18" | 13                   | 88274 | 1   | 1/4-20 Wing Nut SS                             |
| 7                               | 68494 | 2   | 5/16-18 x 1 Hex Cap Screw G5    |                      |       |     |  |
| G = Grade                       |       |     |                                 | SS = Stainless Steel |       |     |  |

## INSTALLATION INSTRUCTIONS

### **⚠ CAUTION**

Read this document before installing the Auger Tube Restrictor Kit.

### **⚠ CAUTION**

Use standard methods and practices when installing service parts and accessories, including proper personal protective safety equipment.

1. Park the vehicle on a smooth, level, hard surface, such as concrete. Switch the spreader control OFF. Turn the vehicle ignition to the "OFF" position and remove the key. Disconnect all electrical harnesses connecting to hopper drive components.
2. Remove the top screen and fasteners and set them aside.
3. Remove the original baffle assembly from the hopper trough. Reuse the fasteners to plug the holes in the hopper wall.
4. Remove and retain the gear box motor cover on the passenger side of the hopper trough.
5. Loosen the set screws at both ends of the auger, using a 3/32" hex key on the driver-side end and a 5/32" hex key on the passenger-side end.
6. Remove the flanged bearing and fasteners at the driver-side end of the auger. Retain the bearing and fasteners.
7. Remove and retain the gear box motor assembly fasteners. Pull the gearbox motor assembly away from the hopper wall far enough to allow removal of the auger. Lift the auger out of the trough.
8. Insert the auger into the auger tube. Position the gate slide on top of the tube with the 1/4" fastener protruding through the slot. Secure the gate slide with the supplied 1/4" wing nut.
 

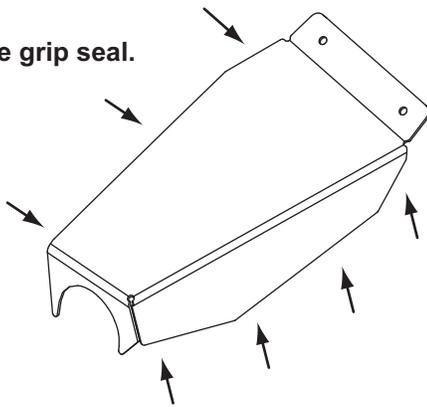
Adjust the gate slide position when the application rate needs to be further restricted or when spreading very fine materials.
9. Slide the driver-side end cap onto the open end of the tube.
10. Apply the strip 1-1/4" adhesive-back foam to the underside of the auger tube at the edge of the discharge snorkel to provide a tight seal.
 

The diagram shows a side view of the auger tube assembly. A cylindrical auger tube is mounted on a metal frame. A discharge snorkel is attached to the bottom of the tube. A gate slide is positioned on top of the tube, secured with a fastener. A strip of adhesive-back foam is applied to the underside of the tube at the edge of the discharge snorkel. Labels indicate 'Auger not shown.', 'Discharge Snorkel', and 'Apply adhesive-back foam.'
11. Insert the assembled auger tube into the hopper trough with the discharge snorkel extending through the cut-out in the bottom of the trough. Make certain that both ends of auger shaft are resealed in their original positions.

If the spreader will be used for very fine materials, apply silicone sealant between the discharge snorkel and the edge of the hopper opening to create a tighter seal.

12. Reinstall the flanged bearing on the driver-side end of the auger using the original fasteners. Reinstall the gear box and motor assembly using the original fasteners. Tighten the set screws at both ends of the auger.
13. Using the holes in the auger tube end caps as a guide, drill 1/4" mounting holes through the hopper wall. Attach the auger tube to the hopper wall with the supplied 1/4" x 3/4" serrated-flange cap screws, 1/4" flat washers and 1/4" locknuts.
14. Apply silicone sealant along the top edge of the gear box cover and reinstall the cover using the original fasteners.
15. Apply strips of rubber edge grip seal to the long edges of auger tube kit material baffle.
16. Position the material baffle over the closed half of the auger tube with the narrow end near the wing nut. Make sure the baffle is firmly seated. Using the baffle as a template, mark the positions for the mounting holes, and drill two 5/16" holes through the hopper wall.
17. Attach the baffle with the supplied 5/16" x 1" cap screws, 5/16" flat washers and 5/16" locknuts, inserting the cap screws from the inside of the hopper.
18. Reinstall the top screen and fasteners.

**Apply edge grip seal.**



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