

# **Auger-Steer**

**By Triple Star Manufacturing LTD.**

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## **\*Caution - Read Before Using Auger-Steer\***

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\*\*\*\*\* The design of the auger-steer will allow you to maneuver your auger into places that were not possible before. This also creates more opportunity to get the auger into danger such as power lines, trees and buildings. **ALWAYS** proceed with caution when moving an auger.

\*\*\*\*\* We also recommend to be sure -before transport- that the wheels are in a straight position so the auger does not trail to the left or right of the towing vehicle going down the road.

\*\*\*\*\* Installing the auger-steer will make your auger axle up to two feet wider. In some cases, this can be lessened by flipping the wheels around and using other side of rim, narrow side facing out. It is also important to note that with extra width on narrow crowned roads, it may cause the axle to come in contact with road causing damage or loss of control of auger being towed.

\*\*\*\*\* When raising your auger, it also changes the angle of your axle and auger-steer. Instead of steering right and left, it shifts the axle up on the one side and down on the other side, causing the top to still move left and right. *Proceed with caution* and do not use when on a side slope.

## **Operation and Maintenance**

-Shortly after installing your auger-steer kit, recheck bolts and clamps to ensure tightness.

- Depending on model, check and grease each pivot point 2-3 times a season. Newer versions with poly pivot points do not have grease zerks installed and do not require grease.

# Auger-Steer Installation Guide

(Clamp-on kit for 3" and 4" axles)

Estimate time of install of 2 hours

## Step 1

Before starting, make sure tractor is shut off and in park!

## Step 2

Jack up and block axles appropriately, and remove tires.

## Step 3

Loosely mount the Auger-Steer assembly with mounts and clamps provided. Position two of the movable mounts on existing axle where support and space are available. Be sure that the Auger-Steer axle is wider than the existing hub assembly, allowing room for wheel to steer. Put tires on Auger-Steer hubs.



## Step 4

Place tie rod between steering arms, with the 2" square tube on the left side of auger. Be sure to install the poly bushings and inner steel bushings.

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### **Step 5**

Square the wheels. One way is to use a measuring tape. Measure front side of wheel and back side of wheel, making *equal* the length from tire rib to tire rib. When distance is the same, the steering assembly is square. Snug the U-bolts and recheck measurements. To ensure the distance doesn't change, drill the middle hole between clamps. Bolt in place.



### **Step 6**

Place cylinder brackets on axle and tie rod. Do not tighten. Stretch cylinder out 4". Place tie rod cylinder bracket approximately 6 inches from left side and tighten both brackets with cylinder in position.

### **Step 7**

With both wheels still off the ground, manually steer axle and check for clearances on both sides of steering arm when cylinder is fully extended and retracted. Adjust as necessary,

### **Step 8**

Mount the check valve to the beam with port numbers C1 and C2 facing cylinder and V1 and V2 going to tractor. Lead hoses to tractor and hoses to cylinder. Leave hose fittings loose on cylinder and bleed air out using tractor hydraulics. Tighten fittings when oil reaches cylinder. Cycle several times to ensure no air locks remain in hose. Strap hoses up where possible.

