AGT INDUSTRIAL AGT-NTS-ST

AGT Skid Steer Loader Tractor Seeder Attachment User Manual

Model: AGT-NTS-ST | Brand: AGT INDUSTRIAL

1. Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your AGT Skid Steer Loader Tractor Seeder Attachment. This heavy-duty attachment is designed for dual compatibility, allowing it to be used with both Skid Steer Loaders and Tractors equipped with a Category 0 or 3, 3-Point Hitch.

Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.



Figure 1: Front view of the AGT Skid Steer Loader Tractor Seeder Attachment, showcasing its robust red frame and black rollers.

2. Setup and Installation

2.1 Unpacking and Delivery

Due to the significant weight of this attachment (approximately 727.5 lbs), it is crucial to confirm that you have appropriate unloading capabilities, such as a forklift, prior to delivery. Exercise extreme caution during unpacking to avoid personal injury or damage to the equipment.

2.2 Mounting to Equipment

This seeder attachment is designed for versatile mounting on both Skid Steer Loaders and Tractors with a 3-Point Hitch (Category 0 or 3).

1. **For Skid Steer Loaders:** Align the universal skid steer quick-attach plate on the seeder with your loader's mounting system. Securely engage the locking pins or levers to ensure a firm connection.
2. **For Tractors (3-Point Hitch):** Connect the lower lift arms of your tractor's 3-point hitch to the corresponding pins on the seeder attachment. Secure with linchpins. Connect the top link of your tractor's 3-point hitch to the upper mounting point on the seeder. Adjust the top link to level the seeder as needed.

2.3 Hydraulic Connection

The seeder is hydraulically powered. Connect the hydraulic hoses from the seeder to the auxiliary hydraulic ports on your Skid Steer Loader or Tractor. Ensure all connections are tight and free of leaks. Refer to your prime mover's manual for specific hydraulic connection procedures.



Figure 2: Side view illustrating the robust frame, ground-engaging rollers, and attachment points for mounting.

3. Operating Instructions

3.1 Pre-Operation Checks

- Ensure all mounting pins and hydraulic connections are secure.
- Check the seed hopper for any debris or obstructions.
- Verify that the ground rollers are free to rotate.

3.2 Loading Seeds

Open the lid of the seed hopper. Carefully pour the desired seeds into the hopper, ensuring not to overfill. Distribute the seeds evenly within the hopper for consistent flow during operation.



Figure 3: Side view showing the seed hopper access panel in an open position, ready for seed loading.

3.3 Seeding Operation

Engage the auxiliary hydraulics on your Skid Steer Loader or Tractor to activate the seeder mechanism. The internal components will begin to rotate at approximately 10 revolutions per minute (r/min), dispensing seeds. Drive the prime mover at a consistent, appropriate speed for your terrain and desired seeding density. Monitor the seed flow and adjust ground speed as necessary.

3.4 Post-Operation

After each use, disengage the hydraulics and allow the seeder to come to a complete stop. Clean out any remaining seeds or debris from the hopper and dispensing mechanisms to prevent clogging and ensure longevity.

4. Maintenance

4.1 Cleaning

Regularly clean the seed hopper and dispensing components to prevent buildup of seed residue, dirt, or moisture, which can lead to corrosion or blockages. Use compressed air or a soft brush for dry cleaning. Avoid using high-pressure water directly on bearings or hydraulic components.

4.2 Lubrication

Inspect all moving parts, including rollers and any pivot points, for wear. Lubricate grease fittings as

recommended by standard agricultural equipment practices, typically every 8-10 hours of operation or before extended storage. Use a high-quality multi-purpose grease.

4.3 Storage

When not in use, store the seeder attachment in a dry, covered area to protect it from the elements. Ensure it is clean and all moving parts are lubricated before storage. Consider placing blocks under the rollers to prevent flat spots if stored for very long periods.

5. Troubleshooting

- **Uneven Seed Distribution:**
  Check for blockages in the seed tubes or dispensing mechanism. Ensure the seed hopper is not overfilled or underfilled. Verify the seeder is level during operation.
- **No Seed Flow:**
  Confirm hydraulic power is engaged and sufficient. Check for severe blockages in the hopper or dispensing system. Inspect the rotation mechanism for any obstructions or damage.
- **Attachment Not Engaging:**
  Ensure all mounting pins are correctly aligned and fully seated. For hydraulic connections, check that hoses are properly connected and quick couplers are fully engaged.
- **Unusual Noises:**
  Immediately stop operation. Inspect for loose components, foreign objects, or worn bearings. Lubricate all moving parts.

6. Product Specifications

Specification	Value
Model Number	AGT-NTS-ST
Manufacturer	AGT INDUSTRIAL
Compatible Equipment Type	Skid Steer Loader, Tractor
Fits Hitch Category	0, 3 (3-Point Hitch)
Power Source	Hydraulic Powered
Dimensions (L x W x H)	81.89 x 43.31 x 41.73 inches
Shipping Weight	727.5255 lbs
Rotation Speed	10 r/min

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