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New Holland 212-327

New Holland 212-327 Manure Spreader Operator's Manual

Introduction

This operator's manual is a comprehensive guide for the New Holland 212-327 Manure Spreader. It provides essential information regarding the controls, gauges, adjustments, operating instructions, maintenance procedures, and troubleshooting tips necessary for the safe and efficient use of your equipment. Adhering to the guidelines within this manual will help ensure optimal performance and longevity of your manure spreader.

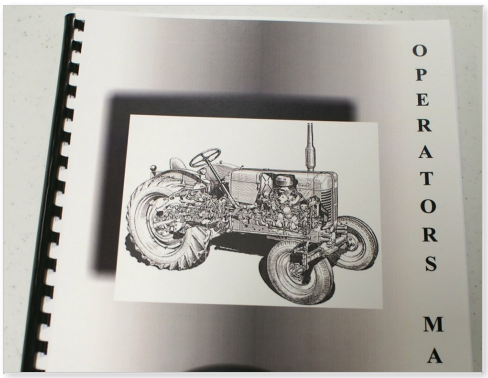


Figure 1: Cover of the New Holland 212-327 Manure Spreader Operator's Manual. This image displays the front cover of the official manual, indicating the model number and type of equipment it covers.

Safety Information

Always prioritize safety when operating any farm machinery. Failure to follow safety instructions can result in serious injury or death. Read and understand all safety decals on the equipment and in this manual before operation.

- **Read the Manual:** Ensure all operators have read and understood this manual before using the spreader.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and sturdy footwear.
- **Machine Guarding:** Never operate the spreader with guards removed. Ensure all shields and safety devices are in place and functional.

- **Power Take-Off (PTO):** Disengage the PTO and shut off the tractor engine before performing any maintenance, adjustments, or clearing blockages. Keep clear of rotating PTO shafts.
- **Clear Area:** Ensure the area around the spreader is clear of bystanders, especially children and animals, during operation.
- **Transport Safety:** Observe all local traffic laws when transporting the spreader on public roads. Ensure proper lighting and reflective markings are visible.

Setup

Proper setup is crucial for safe and efficient operation of your manure spreader.

1. **Hitching to Tractor:**
    - Ensure the tractor's drawbar height matches the spreader's hitch.
    - Securely attach the spreader tongue to the tractor drawbar with the appropriate pin and safety clip.
    - Connect safety chains between the spreader and the tractor.
2. **PTO Shaft Connection:**
    - With the tractor engine off and PTO disengaged, connect the PTO shaft from the spreader to the tractor's PTO spline.
    - Ensure the PTO shaft is securely latched and that the safety shields are in place and rotate freely.
3. **Hydraulic Connections (if applicable):** Connect any hydraulic hoses from the spreader to the tractor's hydraulic outlets, ensuring proper coupling and no leaks.
4. **Tire Pressure:** Check and adjust tire pressure according to the specifications listed on the tire sidewall or in the detailed specifications section of this manual.
5. **Pre-Operation Inspection:** Before each use, inspect the spreader for loose bolts, damaged components, and proper lubrication.

Operating Instructions

Follow these steps for effective and safe operation of the New Holland 212-327 Manure Spreader.

1. **Loading the Spreader:**
    - Load manure evenly into the spreader box to maintain balance and prevent excessive stress on components.
    - Do not overload the spreader beyond its rated capacity.
2. **Engaging PTO:**
    - With the tractor at a low idle, slowly engage the PTO.
    - Increase engine RPM to the recommended operating speed for the PTO (typically 540 RPM).
3. **Spreading Manure:**

- Begin driving at a consistent, appropriate ground speed for the desired spread pattern and application rate.
- Adjust the apron chain speed (if applicable) and tractor ground speed to control the spread rate.
- Maintain a safe distance from obstacles and ensure no personnel are in the spreading area.

4. **Disengaging and Unloading:**
    - Once spreading is complete, reduce tractor RPM and disengage the PTO.
    - If any material remains, ensure the spreader is completely empty before parking or performing maintenance.

Maintenance

Regular maintenance is essential for the longevity and reliable operation of your manure spreader.

- **Lubrication:**
    - Lubricate all grease fittings daily or every 8 hours of operation, using a high-quality multi-purpose grease.
    - Check oil levels in gearboxes (if equipped) according to the maintenance schedule.
- **Chain Tension:** Regularly inspect and adjust the tension of the apron chains and beater chains. Chains should have slight slack but not be excessively loose.
- **Beater Inspection:** Check beater paddles or flails for wear, damage, or buildup. Replace worn components as necessary.
- **Cleaning:** After each use, clean the spreader thoroughly to prevent corrosion and buildup of manure, especially in critical areas like chains, beaters, and bearings.
- **Fastener Check:** Periodically check all bolts, nuts, and fasteners for tightness. Tighten any loose hardware.
- **Storage:** When storing the spreader for extended periods, clean it thoroughly, lubricate all points, and store it in a dry, protected area.

Troubleshooting

This section provides solutions to common operational issues. For complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Uneven Spreading	• Uneven loading • Worn beater paddles • Incorrect ground speed	• Load manure evenly • Inspect and replace worn beater components • Adjust tractor ground speed

Problem	Possible Cause	Solution
Apron Chain Not Moving	• Chain too loose or too tight • Obstruction in chain path • Drive mechanism failure	• Adjust chain tension • Clear any obstructions • Inspect drive gears/sprockets
Excessive Vibration	• Unbalanced beaters • Loose components • Worn bearings	• Inspect beaters for damage/buildup • Tighten all fasteners • Check and replace worn bearings
PTO Shaft Disconnects	• Improper connection • Worn PTO yoke/pin • Incorrect PTO shaft length	• Ensure secure latching • Inspect and replace worn parts • Verify correct shaft length for tractor/spreader combination

Specifications

For detailed technical specifications of the New Holland 212-327 Manure Spreader, please refer to the original manufacturer's manual. This section typically includes:

- Overall Dimensions (Length, Width, Height)
- Capacity (Cubic Feet, Bushels)
- Weight (Empty, Loaded)
- Tire Size and Pressure
- PTO Speed Requirements
- Minimum Tractor Horsepower
- Lubrication Points and Types

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For further assistance, please contact your authorized New Holland dealer.

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