NEW HOLLAND 850 Round Baler

NEW HOLLAND 850 Round Baler Operator's Manual

Comprehensive instructions for safe and efficient operation.

Introduction | Safety | Information | Setup | Operation | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your NEW HOLLAND 850 Round Baler. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent injury or damage. Keep this manual accessible for future reference.

The NEW HOLLAND 850 Round Baler is designed for forming agricultural forage into compact, cylindrical bales, optimizing storage and handling. Understanding its functions and safety protocols is paramount for maximizing its performance and lifespan.

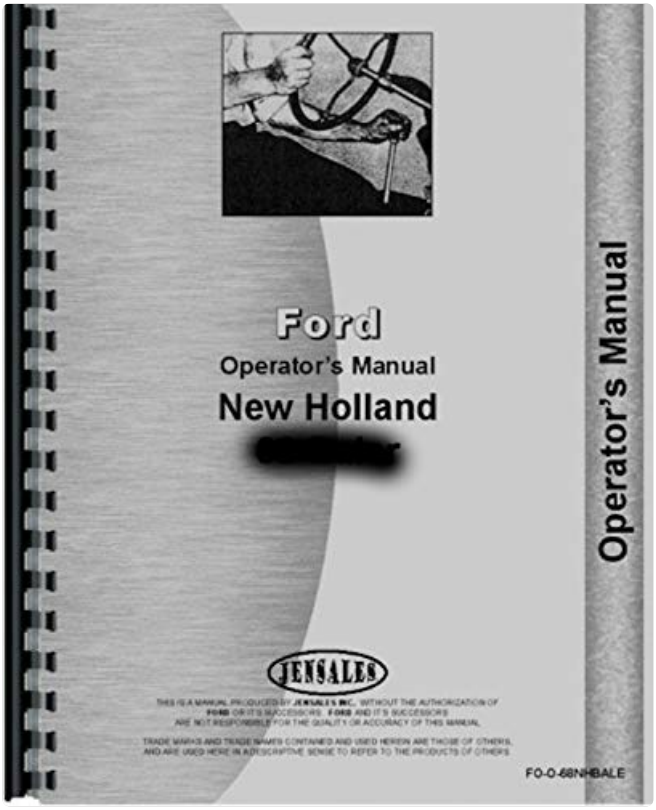


Figure 1: Overview of the NEW HOLLAND 850 Round Baler. This image shows the general appearance of the baler, highlighting its robust construction and design for agricultural use.

2. Safety Information

Your safety and the safety of others are extremely important. Always follow all safety precautions and warnings provided in this manual and on the machine itself. Failure to do so can result in serious injury or death.

General Safety Rules:

- **Read the Manual:** Ensure all operators have read and understood this manual before operating the baler.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, and sturdy footwear.
- **Machine Inspection:** Before each use, inspect the baler for damaged or loose parts. Do not operate if any components are compromised.
- **Clear Area:** Keep bystanders, especially children and animals, away from the operating area.
- **Power Take-Off (PTO):** Ensure the PTO shaft is properly guarded and connected. Disengage PTO and shut off the tractor engine before performing any adjustments or maintenance.
- **Moving Parts:** Never approach or attempt to clear blockages near moving parts while the machine is running.
- **Transport Safety:** When transporting the baler, ensure it is securely hitched, lights are functional, and all safety chains are connected.

WARNING: Rotating components can cause entanglement. Keep hands, feet, and clothing clear of all moving parts during operation.

3. Setup

Proper setup is crucial for optimal performance and safety. Follow these steps to prepare your NEW HOLLAND 850 Round Baler for operation.

3.1 Attaching to the Tractor

1. **Position Tractor:** Back the tractor up to the baler, aligning the drawbar with the baler's hitch.
2. **Connect Hitch Pin:** Secure the baler to the tractor drawbar using the appropriate hitch pin and safety clip.
3. **Connect PTO Shaft:** Attach the PTO shaft from the baler to the tractor's PTO spline. Ensure it locks securely. Verify the PTO shaft length is correct to avoid binding or separation during turns.
4. **Hydraulic Hoses:** Connect the baler's hydraulic hoses to the tractor's hydraulic outlets. Refer to the baler's hydraulic diagram for correct connections (usually color-coded).
5. **Electrical Connections:** Connect any electrical harnesses for lights or control systems.
6. **Safety Chains:** Attach safety chains between the baler and the tractor.

3.2 Pre-Operation Checks

- **Tire Pressure:** Check and adjust tire pressure on the baler to the recommended levels.
- **Lubrication:** Ensure all grease points are adequately lubricated. Refer to the maintenance section for a lubrication schedule.
- **Belts and Chains:** Inspect all belts and chains for proper tension and wear. Adjust or replace as necessary.
- **Pickup Tines:** Verify that pickup tines are intact and properly adjusted for field conditions.
- **Net Wrap/Twine System:** Load net wrap or twine according to the instructions in the baler's specific wrapping system section. Ensure it feeds smoothly.

4. Operating Instructions

Follow these steps for efficient and safe baling operations with your NEW HOLLAND 850 Round Baler.

4.1 Starting the Baler

1. **Engage PTO:** With the tractor engine at low RPM, slowly engage the PTO. Gradually increase engine RPM to the recommended operating speed (typically 540 RPM).
2. **Monitor Baler:** Listen for unusual noises and observe the baler's operation.

4.2 Baling Process

- **Field Conditions:** Ensure the crop is adequately dry for baling. Wet crops can lead to spoilage and baler blockages.
- **Driving Pattern:** Drive in a serpentine or weaving pattern to ensure even feeding across the pickup width. This helps form dense, uniform bales.
- **Ground Speed:** Adjust ground speed according to crop density and volume. Too fast can cause blockages; too slow can result in loose bales.

- **Bale Formation:** Monitor the bale formation indicator (if equipped) to ensure the bale is forming correctly and reaching the desired density.
- **Wrapping Cycle:** Once the bale reaches the desired size, the baler will initiate the wrapping cycle. Follow the specific instructions for your baler's net wrap or twine system.
- **Ejecting Bale:** After wrapping, open the tailgate to eject the bale. Ensure the area behind the baler is clear before ejection. Close the tailgate before resuming baling.

4.3 Stopping the Baler

1. **Reduce Engine RPM:** Lower the tractor engine RPM.
2. **Disengage PTO:** Slowly disengage the PTO.
3. **Shut Off Engine:** Turn off the tractor engine and remove the key.
4. **Allow Cooling:** Allow the baler to cool down before performing any checks or maintenance.

5. Maintenance

Regular maintenance is essential for the longevity and reliable operation of your NEW HOLLAND 850 Round Baler. Adhere to the following schedule and procedures.

5.1 Daily Maintenance (Before Each Use)

- **Grease Points:** Lubricate all designated grease fittings.
- **Visual Inspection:** Check for loose bolts, worn parts, and damaged components.
- **Tire Pressure:** Verify correct tire inflation.
- **Hydraulic Fluid:** Check hydraulic fluid levels in the tractor.
- **Cleanliness:** Remove any crop residue buildup, especially around moving parts.

5.2 Weekly / Every 50 Hours

- **Chain Tension:** Inspect and adjust drive chain tension. Lubricate chains.
- **Belt Tension:** Check and adjust belt tension.
- **Pickup Tines:** Inspect for wear or damage; replace as needed.
- **Knives/Cutters (if equipped):** Inspect for sharpness and damage.

5.3 Seasonal / Every 200 Hours

- **Gearbox Oil:** Check and change gearbox oil.
- **Wheel Bearings:** Inspect and grease wheel bearings.
- **Structural Integrity:** Inspect the frame for cracks or damage.
- **Storage Preparation:** Clean the baler thoroughly, lubricate all moving parts, and store in a dry, protected area.

CAUTION: Always disengage the PTO and shut off the tractor engine before performing any maintenance or adjustments.

6. Troubleshooting

This section provides solutions to common operational issues you might encounter with your NEW HOLLAND 850 Round Baler.

Problem	Possible Cause	Solution
Baler not forming dense bales	Crop too wet Driving too fast Uneven feeding Worn belts	Wait for crop to dry Reduce ground speed Adjust driving pattern for even pickup Inspect and replace worn belts
Baler pickup unit clogging	Crop too heavy/dense Ground speed too high Worn or bent pickup tines	Reduce ground speed Raise pickup height slightly Inspect and replace damaged tines
Net wrap/twine not engaging or cutting	Empty roll/spool Improper threading Damaged cutting mechanism Sensor malfunction	Replace net wrap/twine Re-thread according to manual Inspect and repair/replace cutter Check and clean sensors

If you encounter issues not listed here, or if the suggested solutions do not resolve the problem, contact your authorized NEW HOLLAND dealer for assistance.

7. Specifications

Key technical specifications for the NEW HOLLAND 850 Round Baler. These values are approximate and may vary based on configuration and operating conditions.

Feature	Specification
Bale Diameter	Up to 1.5 m (5 ft)
Bale Width	Up to 1.2 m (4 ft)
Pickup Width	Approximately 1.8 m (6 ft)
PTO Speed	540 RPM
Minimum Tractor HP	50 HP (37 kW)
Weight (Approx.)	1800 kg (3970 lbs)
Tire Size	Specific to model variant (refer to tire sidewall)

8. Warranty and Support

Your NEW HOLLAND 850 Round Baler is covered by a limited warranty. Details regarding the warranty period, coverage, and exclusions are provided in a separate warranty document included with your purchase. Please retain your proof of purchase for warranty claims.

For technical support, parts, or service, please contact your authorized NEW HOLLAND dealer. They have trained technicians and genuine parts to ensure your baler receives the best possible care.
You can find your nearest authorized dealer by visiting the official NEW HOLLAND website or by consulting the dealer directory provided at the time of purchase.

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