

new holland 851 round baler owners manual

New Holland 851 Round Baler Owners Manual is an essential resource for anyone operating this reliable piece of agricultural equipment. The New Holland 851 round baler is designed to produce high-quality round bales efficiently, making it a popular choice among farmers and agricultural contractors. Understanding the operation, maintenance, and troubleshooting of the baler is crucial to ensure optimal performance and longevity. This article delves into the vital components of the New Holland 851 round baler, providing insights from the owners manual to help users maximize their productivity.

Overview of the New Holland 851 Round Baler

The New Holland 851 round baler is a versatile machine capable of handling various types of forage and crop materials. It is engineered to create bales of consistent shape and density, which are essential for effective storage and transportation. The baler features several advanced technologies that improve its efficiency and ease of use.

Key Features

- Variable Bale Size: The 851 model allows operators to adjust the bale size, providing flexibility to meet different requirements.
- Heavy-duty Construction: Built with robust materials, this baler is designed to withstand the rigors of fieldwork.
- Simple Controls: The user-friendly control panel ensures that operators can easily manage the baling process.
- Automatic Tie System: This feature simplifies the process of securing bales, reducing labor and time.
- Wide Pickup Header: The wider pickup mechanism allows for greater efficiency when collecting materials.

Operating the New Holland 851 Round Baler

Operating the New Holland 851 round baler effectively requires a good understanding of its controls and features. The owners manual provides detailed instructions on setting up and using the baler.

Preparation Before Operation

Before starting the baler, ensure the following steps are completed:

1. Inspect the Baler: Check for any visible damage or wear on components.
2. Lubrication: Ensure all moving parts are properly lubricated as per the manual's recommendations.
3. Check the Pickup: Make sure the pickup is clean and free of debris.

4. Adjust Bale Size: Set the desired bale size according to your needs.
5. Connect to Tractor: Ensure the baler is securely attached to the tractor and that all hydraulic connections are made.

Starting the Baler

To begin baling:

1. Start the tractor and engage the PTO (Power Take-Off) at the recommended RPM.
2. Lower the pickup into the crop.
3. Monitor the baling process through the control panel.
4. Maintain a consistent speed to ensure uniform bale density.

Maintenance of the New Holland 851 Round Baler

Regular maintenance is crucial for the longevity and efficiency of the New Holland 851 round baler. The owners manual outlines a comprehensive maintenance schedule that should be adhered to.

Daily Maintenance Checks

Each day before use, perform the following checks:

- Fluid Levels: Check hydraulic fluid, oil, and coolant levels.
- Belts and Chains: Inspect for wear and proper tension.
- Tires: Ensure tires are properly inflated and in good condition.
- Safety Guards: Confirm that all safety guards are in place and functional.

Weekly Maintenance Tasks

On a weekly basis, complete these additional maintenance tasks:

- Clean the Baler: Remove debris and build-up from the machine.
- Grease Bearings: Apply grease to all designated points as indicated in the manual.
- Check Electrical Connections: Inspect wiring and connections for any signs of wear or damage.

Seasonal Maintenance

At the beginning and end of the baling season, conduct a thorough inspection:

1. Inspect the Pickup and Feed System: Ensure all components are functioning correctly.
2. Check for Wear on the Bale Chamber: Look for any signs of wear that may affect bale quality.

3. Replace Worn Parts: Consult the manual for parts that should be replaced at the end of the season.

Troubleshooting Common Issues

Even with proper maintenance, issues may arise with the New Holland 851 round baler. The owners manual provides troubleshooting tips for common problems that operators may encounter.

Common Problems and Solutions

- Baler Not Feeding Properly:
 - Possible Causes: Clogged pickup, improper speed, or damaged feed system.
 - Solutions: Clear any debris, adjust tractor speed, or inspect and repair the feed system.
- Inconsistent Bale Density:
 - Possible Causes: Incorrect bale size settings or uneven feeding.
 - Solutions: Adjust the settings and ensure an even feed into the baler.
- Baler Stalling:
 - Possible Causes: Overloading or insufficient power from the tractor.
 - Solutions: Reduce the load and ensure the tractor is providing adequate horsepower.
- Bale Ties Not Securing:
 - Possible Causes: Worn twine or malfunctioning tie system.
 - Solutions: Replace twine and inspect the tie mechanism for issues.

Safety Precautions

Operating the New Holland 851 round baler requires adherence to safety protocols to protect both the operator and the equipment. The owners manual emphasizes the importance of safety measures.

Essential Safety Tips

- Wear Proper Gear: Always wear appropriate personal protective equipment (PPE), including gloves, goggles, and sturdy footwear.
- Stay Clear of Moving Parts: Keep hands and clothing away from moving parts to avoid entanglement.
- Follow Manufacturer Guidelines: Always refer to the owners manual for specific safety instructions and operational guidelines.
- Keep the Area Clear: Ensure that the work area is free from unnecessary personnel and obstacles.

Conclusion

The New Holland 851 Round Baler Owners Manual serves as a vital guide for anyone looking to maximize the performance and lifespan of their baler. By understanding the operation, maintenance, and troubleshooting techniques outlined in the manual, users can ensure efficient baling operations. Regular maintenance, safety precautions, and adherence to operational guidelines will help farmers achieve optimal results and maintain the reliability of their New Holland 851 round baler for years to come. With the right knowledge and practices, operators can effectively enhance productivity and profitability in their agricultural endeavors.

Frequently Asked Questions

Where can I find the New Holland 851 round baler owner's manual?

The owner's manual for the New Holland 851 round baler can typically be found on the official New Holland website under the support or resources section. You can also check online forums or agricultural equipment retailers for downloadable PDFs.

What are the key specifications listed in the New Holland 851 round baler owner's manual?

The owner's manual includes key specifications such as bale size, weight capacity, horsepower requirements, and recommended maintenance intervals. You can find detailed specifications in the technical section of the manual.

How do I troubleshoot common issues with the New Holland 851 round baler?

Common issues and their troubleshooting steps are usually outlined in the owner's manual. Look for sections on operational problems, maintenance tips, and diagrams that help identify parts, as well as contact information for dealer support.

What maintenance tasks are recommended in the New Holland 851 round baler owner's manual?

The owner's manual recommends regular maintenance tasks such as checking and replacing the belts, lubricating moving parts, inspecting bearings, and cleaning the baler after use. A maintenance schedule is often included in the manual.

Are there any safety precautions mentioned in the New Holland 851 round baler owner's manual?

Yes, the owner's manual includes important safety precautions such as wearing protective gear,

ensuring the baler is properly hooked up to the tractor, and following operational guidelines to prevent accidents while operating the machine.

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